QUARTER 4, 2024
FENCELINE MONITORING REPORT FOR THE IRVING OIL SEARSPORT MARINE TERMINAL

Prepared For:

Irving Oil Terminals Inc.

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Facility:

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Report Number: **027AA-027957-RT-700**
Date: **February 13, 2025**

IRVING OIL SEARSPORT MARINE TERMINAL FENCELINE MONITORING

The State of Maine promulgated the Chapter 171 regulatory rule, which establishes control, operating, inspection, testing, monitoring recordkeeping, and licensure requirements for petroleum storage facilities pursuant to 38 M.R.S. Section 590(1). Chapter 171 applies to petroleum storage facilities licensed or required to obtain an air emission license pursuant to either Major and Minor Source Air Emission License Regulations, 06-096 C.M.R. ch. 115 or Part 70 Air Emission License Regulation, 06-096 C.M.R. Ch. 140. The Irving Oil Searsport Marine Terminal operates under Air Emission License A-413-71-Q-R/A and A-413-71-R-M issued by the State of Maine Department of Environmental Protection Bureau of Air Quality. The License was issued pursuant to Major and Minor Source Air Emission License Regulations, 06-096 C.M.R. Ch. 115 and is subject to the requirements of Ch. 171. Accordingly, fenceline monitoring for benzene, ethylbenzene, toluene, and xylenes (BTEX) and analyses of the samples in accordance with Appendix A to 40 C.F.R. Part 63.658, i.e., EPA Methods 325A and 325B as amended on 11/14/2018, is required.

The Irving Oil Searsport Marine Terminal FLM program began on 9/19/24, in accordance with Chapter 171 Section 6B and the Irving Oil Searsport Marine Terminal Chpt. 171 Fenceline Monitoring Plan, Rev 2, dated 8/9/24 and submitted to MEDEP on 8/20/24.

Reporting Requirements of Section 8, Chapter 171 and Corresponding Report Section		
	Requirement	**Report Section**
A	Facility name and address	Cover Page
B	Year and reporting quarter	Cover Page
C	For each passive monitor:	
	Latitude and longitude location coordinates	Site Coordinates Page
	Sampler name	FLM Results Page (Numbered name by location, in Sample Location column)
	Identification of type of sampler	FLM Results
D	The beginning and ending dates for each sampling period.	FLM Results
E	Individual sample results in units of micrograms per cubic meter for each monitor for each sampling period that ends during the reporting period. Results below the method detection limit shall be flagged as such and reported at the method detection limit.	FLM Results
F	Meteorological data collected during each sampling period, including wind speed and direction.	Meteorological Data Pages

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

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Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
IRVSEA-1-S-20240919	C38994	0.515		0.291	J,Pc	1.070		0.441	J	2.570	
IRVSEA-2-S-20240919	C40533	0.621		0.276	ND,Pc	0.778		0.322	J	1.620	
IRVSEA-2-D-20240919	B33089	0.664		0.382	J,Pc	0.854		0.350	J	1.640	
IRVSEA-2-B-20240919	B40417	0.190	ND	0.276	ND,Pc	0.276	ND	0.276	ND	0.244	ND
IRVSEA-3-S-20240919	B38607	0.883		0.375	J,Pc	0.977		0.390	J	2.500	
IRVSEA-4-S-20240919	B48605	0.957		0.336	J,Pc	1.120		0.456	J	2.200	
IRVSEA-5-S-20240919	B34770	0.899		0.723	Pc	1.610		0.752		2.660	
IRVSEA-6-S-20240919	B37458	1.260		0.732	Pc	2.210		0.881		4.530	
IRVSEA-7-S-20240919	B46170	2.060		1.500	Pc	4.500		1.920		6.980	
IRVSEA-8-S-20240919	B19780	4.660		3.020	Pc	10.800		4.260		16.900	
IRVSEA-8-D-20240919	B49643	4.570		3.180	Pc	10.500		4.120		17.400	
IRVSEA-8-B-20240919	B17585	0.190	ND	0.276	ND,Pc	0.276	ND	0.276	ND	0.244	ND
IRVSEA-9-S-20240919	B14507	3.490		2.120	Pc	6.850		2.840		13.200	
IRVSEA-10-S-20240919	B37503	4.390		2.820	Pc	8.710		3.560		16.200	
IRVSEA-11-S-20240919	B21055	1.900		1.260	Pc	3.740		1.580		6.540	
IRVSEA-12-S-20240919	C31341	1.140		0.460	J,Pc	1.450		0.607		3.080	
IRVSEA-13-S-20240919	B35518	0.728		0.637	Pc	1.330		0.551	J	1.950	
IRVSEA-14-S-20240919	C35866	0.45		0.276	ND,Pc	0.703		0.291	J	1.240	
IRVSEA-15-S-20240919	B35456	0.538		0.380	J,Pc	0.817		0.403	J	2.940	
IRVSEA-16-S-20240919	B51040	0.480		0.276	ND,Pc	0.334	J	0.276	ND	0.722	
IRVSEA-17-S-20240919	C01447	0.545		0.276	ND,Pc	0.600		0.290	J	1.780	
IRVSEA-1-S-20241003	B15504	0.536	P	0.276	ND	0.430	J	0.276	ND	0.892	B
IRVSEA-2-S-20241003	C43289	0.658	P	0.276	ND	0.788		0.276	ND	1.400	B
IRVSEA-2-D-20241003	B49755	1.600	P	0.276	ND	0.649		0.276	ND	1.440	B
IRVSEA-2-B-20241003	B50633	0.189	ND,P	0.276	ND	0.276	ND	0.276	ND	0.244	ND
IRVSEA-3-S-20241003	C24126	0.785	P	0.354	J	1.390		0.478	J	2.140	B
IRVSEA-4-S-20241003	C01929	1.180	P	0.535	J	1.700		0.672		3.090	
IRVSEA-5-S-20241003	C43207	1.120	P	0.652		2.470		0.916		3.430	
IRVSEA-6-S-20241003	B15717	1.350	P	0.884		2.330		0.815		4.120	
IRVSEA-7-S-20241003	B20930	2.430	P	1.610		5.490		2.010		7.630	

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

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Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
IRVSEA-8-S-20241003	C43341	2.660	P	1.340		5.330		1.920		7.810	
IRVSEA-8-D-20241003	C43310	2.660	P	1.440		5.790		2.120		8.240	
IRVSEA-8-B-20241003	B44260	0.350	J,P	0.276	ND	0.276	ND	0.276	ND	0.920	
IRVSEA-9-S-20241003	B43644	1.200	P	0.499	J	1.750		0.652		2.900	
IRVSEA-10-S-20241003	B20105	1.470	P	0.807		2.590		0.953		4.100	
IRVSEA-11-S-20241003	C43364	1.380	P	0.715		2.840		1.010		3.780	
IRVSEA-12-S-20241003	B21063	1.100	P	0.504	J	1.500		0.532	J	2.770	
IRVSEA-13-S-20241003	B34900	0.736	P	0.366	J	1.050		0.329	J	1.660	B
IRVSEA-14-S-20241003	C33292	0.519	P	0.401	J	1.090		0.318	J	1.440	B
IRVSEA-15-S-20241003	C43375	0.358	J,P	0.276	ND	0.404	J	0.276	ND	0.536	B
IRVSEA-16-S-20241003	C00780	0.377	J,P	0.276	ND	0.276	ND	0.276	ND	0.435	J,B
IRVSEA-17-S-20241003	B18893	0.390	J,P	0.276	ND	0.276	ND	0.276	ND	0.512	J,B
IRVSEA-1-S-20241017	C43649	0.590		0.326	J	1.070		0.374	J	1.420	
IRVSEA-2-S-20241017	B43896	0.715		0.358	J	0.986		0.326	J	1.890	
IRVSEA-2-D-20241017	C43688	0.703		0.315	J	1.140		0.396	J	2.400	
IRVSEA-2-B-20241017	B46929	0.230	J	0.278	ND	0.278	ND	0.278	ND	0.250	J
IRVSEA-3-S-20241017	B46654	0.847		0.412	J	1.210		0.475	J	2.710	
IRVSEA-4-S-20241017	B14191	1.410		0.566	J	2.100		0.743		3.860	
IRVSEA-5-S-20241017	B38540	1.180		0.749		2.540		0.901		4.050	
IRVSEA-6-S-20241017	B33701	1.770		1.290		4.310		1.620		6.320	
IRVSEA-7-S-20241017	C43248	2.740		2.200		8.630		3.060		10.600	
IRVSEA-8-S-20241017	B35017	3.180		2.400		8.520		3.130		12.200	
IRVSEA-8-D-20241017	C43190	3.060		1.930		7.740		2.840		11.500	
IRVSEA-8-B-20241017	B39477	0.191	ND	0.278	ND	0.278	ND	0.278	ND	0.246	ND
IRVSEA-9-S-20241017	C43726	1.660		1.020		4.080		1.530		5.540	
IRVSEA-10-S-20241017	C38878	1.830		1.270		4.990		1.760		6.590	
IRVSEA-11-S-20241017	C43281	1.730		1.170		4.390		1.580		6.180	
IRVSEA-12-S-20241017	C40107	1.830		1.030		3.950		1.400		6.830	
IRVSEA-13-S-20241017	C32998	1.010		0.637		2.230		0.858		3.390	

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		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
IRVSEA-14-S-20241017	B27865	0.704		0.461	J	1.200		0.542	J	1.880	
IRVSEA-15-S-20241017	B11708	0.658		0.341	J	0.908		0.306	J	1.330	
IRVSEA-16-S-20241017	C43678	0.564		0.283	J	1.020		0.359	J	1.350	
IRVSEA-17-S-20241017	B16394	0.566		0.418	J	0.827		0.280	J	1.400	
IRVSEA-1-S-20241031	C33726	0.527	P	0.277	ND	0.461	J	0.277	ND	1.040	P
IRVSEA-2-S-20241031	C38912	0.665	P	0.284	J	0.890		0.368	J	1.830	P
IRVSEA-2-D-20241031	B49578	0.971	P	0.383	J	0.927		0.384	J	2.570	P
IRVSEA-2-B-20241031	C33456	0.190	ND,P	0.277	ND	0.277	ND	0.277	ND	0.245	ND,P
IRVSEA-3-S-20241031	C39291	0.767	P	0.400	J	1.300		0.508	J	2.420	P
IRVSEA-4-S-20241031	B28078	0.937	P	0.638		1.850		0.663		3.240	P
IRVSEA-5-S-20241031	B47908	1.010	P	0.486	J	1.450		0.612		3.070	P
IRVSEA-6-S-20241031	C32874	1.080	P	0.699		2.150		0.894		3.800	P
IRVSEA-7-S-20241031	B51008	1.880	P	1.480		5.110		2.120		8.150	P
IRVSEA-8-S-20241031	C39286	2.440	P	1.900		6.440		2.670		10.100	P
IRVSEA-8-D-20241031	B30010	2.480	P	1.990		6.630		2.730		10.500	P
IRVSEA-8-B-20241031	C38567	0.190	ND,P	0.277	ND	0.277	ND	0.277	ND	0.245	ND,P
IRVSEA-9-S-20241031	C01617	1.070	P	0.709		2.230		0.846		3.810	P
IRVSEA-10-S-20241031	B27365	1.020	P	0.626		1.950		0.798		3.730	P
IRVSEA-11-S-20241031	C37039	0.834	P	0.484	J	1.350		0.552	J	2.650	P
IRVSEA-12-S-20241031	B43597	0.675	P	0.277	ND	0.728		0.289	J	1.970	P
IRVSEA-13-S-20241031	B14628	0.737	P	0.277	ND	0.479	J	0.277	ND	2.040	P
IRVSEA-14-S-20241031	B14145	0.592	P	0.277	ND	0.374	J	0.277	ND	0.995	P
IRVSEA-15-S-20241031	C43709	0.460	P	0.277	ND	0.376	J	0.277	ND	0.846	P
IRVSEA-16-S-20241031	C01392	0.439	P	0.277	ND	0.344	J	0.277	ND	0.843	P
IRVSEA-17-S-20241031	B29721	0.499	P	0.277	ND	0.389	J	0.277	ND	1.770	P
IRVSEA-1-S-20241114	B48581	0.492		0.279	ND	0.279	ND,Pc	0.279	ND	0.724	P
IRVSEA-2-S-20241114	C00707	0.432		0.279	ND	0.309	J,Pc	0.279	ND	0.771	P
IRVSEA-2-D-20241114	C53713	0.487		0.279	ND	0.447	J,Pc	0.279	ND	1.120	P
IRVSEA-2-B-20241114	B38518	0.192	ND	0.279	ND	0.279	ND,Pc	0.279	ND	0.393	J,P

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		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
IRVSEA-3-S-20241114	C32857	0.434		0.279	ND	0.327	J,Pc	0.279	ND	0.876	P
IRVSEA-4-S-20241114	B24877	0.790		0.321	J	0.974	Pc	0.362	J	2.380	P
IRVSEA-5-S-20241114	B46208	0.770		0.451	J	1.040	Pc	0.378	J	2.720	P
IRVSEA-6-S-20241114	B16974	1.180		0.835		2.410	Pc	0.968		5.030	P
IRVSEA-7-S-20241114	C20546	1.860		1.630		4.820	Pc	1.890		8.450	P
IRVSEA-8-S-20241114	C16063	3.350		2.920		8.840	Pc	3.450		16.400	P
IRVSEA-8-D-20241114	C38507	3.230		2.920		9.830	Pc	3.780		15.800	P
IRVSEA-8-B-20241114	B20228	0.191	ND	0.279	ND	0.279	ND,Pc	0.279	ND	0.293	J,P
IRVSEA-9-S-20241114	C24127	1.390		0.821		2.290	Pc	0.943		5.120	P
IRVSEA-10-S-20241114	C43274	1.590		1.190		3.580	Pc	1.320		6.820	P
IRVSEA-11-S-20241114	B47141	0.755		0.373	J	1.050	Pc	0.392	J	1.950	P
IRVSEA-12-S-20241114	B27179	0.499		0.279	ND	0.344	J,Pc	0.279	ND	1.080	P
IRVSEA-13-S-20241114	B27402	0.401		0.279	ND	0.291	J,Pc	0.279	ND	0.643	P
IRVSEA-14-S-20241114	C36989	0.445		0.279	ND	0.279	ND,Pc	0.279	ND	0.638	P
IRVSEA-15-S-20241114	C35806	0.429		0.279	ND	0.279	ND,Pc	0.279	ND	0.661	P
IRVSEA-16-S-20241114	C40591	0.391		0.279	ND	0.369	J,Pc	0.279	ND	0.926	P
IRVSEA-17-S-20241114	B14268	0.572		0.279	ND	0.399	J,Pc	0.279	ND	1.040	P
IRVSEA-1-S-20241128	C37011	1.010		0.677		1.310		0.582	J	2.350	
IRVSEA-2-S-20241128	C01323	1.090		0.740		2.070		0.690		2.560	
IRVSEA-2-D-20241128	B28151	1.240		0.882		1.690		0.584	J	2.930	
IRVSEA-2-B-20241128	C35847	0.194	ND	0.283	ND	0.283	ND	0.283	ND	0.300	J
IRVSEA-3-S-20241128	C16102	1.370		1.330		3.890		1.510		4.930	
IRVSEA-4-S-20241128	C17145	1.230		1.060		2.480		0.958		3.570	
IRVSEA-5-S-20241128	C00780	1.570		1.390		3.660		1.530		5.230	
IRVSEA-6-S-20241128	B15504	1.890		1.220		3.310		1.140		5.330	
IRVSEA-7-S-20241128	C43279	2.110		2.490		8.310		3.550		9.310	
IRVSEA-8-S-20241128	C43361	2.410		2.830		11.100		3.830		12.100	
IRVSEA-8-D-20241128	C01376	2.600		2.670		9.780		3.640		12.200	
IRVSEA-8-B-20241128	C43699	0.231	J	0.283	ND	0.283	ND	0.283	ND	0.661	

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		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
IRVSEA-9-S-20241128	C24217	1.410		1.070		4.100		1.490		6.060	
IRVSEA-10-S-20241128	C01908	2.060		2.100		7.690		2.680		11.000	
IRVSEA-11-S-20241128	C01353	1.450		1.190		3.830		1.420		6.000	
IRVSEA-12-S-20241128	B17457	1.420		1.340		3.320		1.230		5.420	
IRVSEA-13-S-20241128	C36886	1.080		0.799		2.460		0.849		3.560	
IRVSEA-14-S-20241128	B48134	1.140		0.541	J	1.610		0.577	J	2.590	
IRVSEA-15-S-20241128	C43926	0.906		0.283	ND	0.792		0.283	ND	2.080	
IRVSEA-16-S-20241128	C01880	0.798		0.437	J	1.190		0.456	J	1.980	
IRVSEA-17-S-20241128	C43681	0.860		0.471	J	1.680		0.579	J	2.230	
IRVSEA-1-S-20241212	C16061	0.671		0.284	ND,Pc	0.413	J,Pc	0.284	ND	1.150	P
IRVSEA-2-S-20241212	B34954	0.832		0.478	J,Pc	1.020	Pc	0.377	J	2.120	P
IRVSEA-2-D-20241212	C24248	0.660		0.284	ND,Pc	0.623	Pc	0.284	ND	1.430	P
IRVSEA-2-B-20241212	B16367	0.195	ND	0.284	ND,Pc	0.284	ND,Pc	0.284	ND	0.251	ND,P
IRVSEA-3-S-20241212	B47097	0.936		0.371	J,Pc	1.060	Pc	0.437	J	2.240	P
IRVSEA-4-S-20241212	B35039	1.040		0.644	Pc	1.990	Pc	0.764	J	3.940	P
IRVSEA-5-S-20241212	C13987	1.060		0.692	Pc	2.020	Pc	0.794	J	3.490	P
IRVSEA-6-S-20241212	C32770	1.570		1.370	Pc	4.370	Pc	1.660		7.400	P
IRVSEA-7-S-20241212	B28887	2.140		2.260	Pc	7.010	Pc	2.620		11.200	P
IRVSEA-8-S-20241212	C38940	2.500		2.660	Pc	9.490	Pc	3.580		13.600	P
IRVSEA-8-D-20241212	B16957	2.600		2.580	Pc	8.480	Pc	3.190		14.000	P
IRVSEA-8-B-20241212	B15741	0.195	ND	0.284	ND,Pc	0.284	ND,Pc	0.284	ND	0.251	ND,P
IRVSEA-9-S-20241212	B50650	1.270		0.964	Pc	3.170	Pc	1.230		5.240	P
IRVSEA-10-S-20241212	B30912	1.760		1.510	Pc	5.090	Pc	1.950		7.670	P
IRVSEA-11-S-20241212	C36885	0.922		0.629	Pc	1.700	Pc	0.636	J	2.910	P
IRVSEA-12-S-20241212	C43701	0.805		0.397	J,Pc	1.280	Pc	0.488	J	2.330	P
IRVSEA-13-S-20241212	B38439	0.683		0.284	ND,Pc	0.506	J,Pc	0.284	ND	1.210	P
IRVSEA-14-S-20241212	B16824	0.680		0.284	ND,Pc	0.447	J,Pc	0.284	ND	1.260	P
IRVSEA-15-S-20241212	C00721		Fe, Z		Pc,Fe, Z		Pc,Fe, Z		Fe, Z		P,Fe, Z
IRVSEA-16-S-20241212	B30712	0.665		0.321	J,Pc	0.617	Pc	0.283	ND	1.450	P

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Flags:	ND	The analyte was not present above the Method Detection Limit
	J	Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
	P	Field duplicate(s) exceed 30%RPD
	Pc	Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit
	B	Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte
	Fe	Field Error. See report narrative for details
	Z	Sample was not analyzed. See the narrative for details.

Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
IRVSEA-17-S-20241212	C01630	0.741		0.360	J,Pc	0.380	J,Pc	0.283	ND	1.060	P
Quarter 4, 2024 Maximum		4.66		3.02		11.10		4.26		16.90	
Quarter 4, 2024 Average		1.19		0.80		2.47		0.97		4.04	
Rolling Annual Maximum [1]		4.66		3.02		11.10		4.26		16.90	
Rolling Annual Average [2]		–		–		–		–		–	

[1] Rolling Annual Maximum based on Quarter 4, 2024 data only.

[2] Rolling Annual Average will be populated when four quarters of data have been collected.

IRVING OIL TERMINALS INC. – SEARSPORT MARINE TERMINAL

FLM MONITORING RESULTS

SAMPLE EVENTS 9-19-24 THROUGH 12-26-24

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-1-S-20240919	1	Benzene	Sample	0.515	ug/m3	0.19	ug/m3		Y	9/19/2024	11:55	10/3/2024	09:45
IRVSEA-1-S-20240919	1	Ethylbenzene	Sample	0.291	ug/m3	0.276	ug/m3	J,Pc	Y	9/19/2024	11:55	10/3/2024	09:45
IRVSEA-1-S-20240919	1	m-/p-Xylene	Sample	1.07	ug/m3	0.276	ug/m3		Y	9/19/2024	11:55	10/3/2024	09:45
IRVSEA-1-S-20240919	1	o-Xylene	Sample	0.441	ug/m3	0.276	ug/m3	J	Y	9/19/2024	11:55	10/3/2024	09:45
IRVSEA-1-S-20240919	1	Toluene	Sample	2.57	ug/m3	0.244	ug/m3		Y	9/19/2024	11:55	10/3/2024	09:45
IRVSEA-2-S-20240919	2	Benzene	Sample	0.621	ug/m3	0.19	ug/m3		Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-S-20240919	2	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND,Pc	N	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-S-20240919	2	m-/p-Xylene	Sample	0.778	ug/m3	0.276	ug/m3		Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-S-20240919	2	o-Xylene	Sample	0.322	ug/m3	0.276	ug/m3	J	Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-S-20240919	2	Toluene	Sample	1.62	ug/m3	0.244	ug/m3		Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-D-20240919	2	Benzene	Duplicate	0.664	ug/m3	0.19	ug/m3		Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-D-20240919	2	Ethylbenzene	Duplicate	0.382	ug/m3	0.276	ug/m3	J,Pc	Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-D-20240919	2	m-/p-Xylene	Duplicate	0.854	ug/m3	0.276	ug/m3		Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-D-20240919	2	o-Xylene	Duplicate	0.35	ug/m3	0.276	ug/m3	J	Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-D-20240919	2	Toluene	Duplicate	1.64	ug/m3	0.244	ug/m3		Y	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-B-20240919	2	Benzene	Blank	<0.19	ug/m3	0.19	ug/m3	ND	N	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-B-20240919	2	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND,Pc	N	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-B-20240919	2	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-B-20240919	2	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-2-B-20240919	2	Toluene	Blank	<0.244	ug/m3	0.244	ug/m3	ND	N	9/19/2024	12:00	10/3/2024	09:50
IRVSEA-3-S-20240919	3	Benzene	Sample	0.883	ug/m3	0.19	ug/m3		Y	9/19/2024	12:05	10/3/2024	10:00
IRVSEA-3-S-20240919	3	Ethylbenzene	Sample	0.375	ug/m3	0.276	ug/m3	J,Pc	Y	9/19/2024	12:05	10/3/2024	10:00
IRVSEA-3-S-20240919	3	m-/p-Xylene	Sample	0.977	ug/m3	0.276	ug/m3		Y	9/19/2024	12:05	10/3/2024	10:00
IRVSEA-3-S-20240919	3	o-Xylene	Sample	0.39	ug/m3	0.276	ug/m3	J	Y	9/19/2024	12:05	10/3/2024	10:00
IRVSEA-3-S-20240919	3	Toluene	Sample	2.5	ug/m3	0.244	ug/m3		Y	9/19/2024	12:05	10/3/2024	10:00
IRVSEA-4-S-20240919	4	Benzene	Sample	0.957	ug/m3	0.19	ug/m3		Y	9/19/2024	12:10	10/3/2024	10:05
IRVSEA-4-S-20240919	4	Ethylbenzene	Sample	0.336	ug/m3	0.276	ug/m3	J,Pc	Y	9/19/2024	12:10	10/3/2024	10:05
IRVSEA-4-S-20240919	4	m-/p-Xylene	Sample	1.12	ug/m3	0.276	ug/m3		Y	9/19/2024	12:10	10/3/2024	10:05
IRVSEA-4-S-20240919	4	o-Xylene	Sample	0.456	ug/m3	0.276	ug/m3	J	Y	9/19/2024	12:10	10/3/2024	10:05
IRVSEA-4-S-20240919	4	Toluene	Sample	2.2	ug/m3	0.244	ug/m3		Y	9/19/2024	12:10	10/3/2024	10:05
IRVSEA-5-S-20240919	5	Benzene	Sample	0.899	ug/m3	0.19	ug/m3		Y	9/19/2024	12:20	10/3/2024	10:10
IRVSEA-5-S-20240919	5	Ethylbenzene	Sample	0.723	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	12:20	10/3/2024	10:10

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-5-S-20240919	5	m-/p-Xylene	Sample	1.61	ug/m3	0.276	ug/m3		Y	9/19/2024	12:20	10/3/2024	10:10
IRVSEA-5-S-20240919	5	o-Xylene	Sample	0.752	ug/m3	0.276	ug/m3		Y	9/19/2024	12:20	10/3/2024	10:10
IRVSEA-5-S-20240919	5	Toluene	Sample	2.66	ug/m3	0.244	ug/m3		Y	9/19/2024	12:20	10/3/2024	10:10
IRVSEA-6-S-20240919	6	Benzene	Sample	1.26	ug/m3	0.19	ug/m3		Y	9/19/2024	12:25	10/3/2024	10:15
IRVSEA-6-S-20240919	6	Ethylbenzene	Sample	0.732	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	12:25	10/3/2024	10:15
IRVSEA-6-S-20240919	6	m-/p-Xylene	Sample	2.21	ug/m3	0.276	ug/m3		Y	9/19/2024	12:25	10/3/2024	10:15
IRVSEA-6-S-20240919	6	o-Xylene	Sample	0.881	ug/m3	0.276	ug/m3		Y	9/19/2024	12:25	10/3/2024	10:15
IRVSEA-6-S-20240919	6	Toluene	Sample	4.53	ug/m3	0.244	ug/m3		Y	9/19/2024	12:25	10/3/2024	10:15
IRVSEA-7-S-20240919	7	Benzene	Sample	2.06	ug/m3	0.19	ug/m3		Y	9/19/2024	12:30	10/3/2024	10:20
IRVSEA-7-S-20240919	7	Ethylbenzene	Sample	1.5	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	12:30	10/3/2024	10:20
IRVSEA-7-S-20240919	7	m-/p-Xylene	Sample	4.5	ug/m3	0.276	ug/m3		Y	9/19/2024	12:30	10/3/2024	10:20
IRVSEA-7-S-20240919	7	o-Xylene	Sample	1.92	ug/m3	0.276	ug/m3		Y	9/19/2024	12:30	10/3/2024	10:20
IRVSEA-7-S-20240919	7	Toluene	Sample	6.98	ug/m3	0.244	ug/m3		Y	9/19/2024	12:30	10/3/2024	10:20
IRVSEA-8-S-20240919	8	Benzene	Sample	4.66	ug/m3	0.19	ug/m3		Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-S-20240919	8	Ethylbenzene	Sample	3.02	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-S-20240919	8	m-/p-Xylene	Sample	10.8	ug/m3	0.276	ug/m3		Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-S-20240919	8	o-Xylene	Sample	4.26	ug/m3	0.276	ug/m3		Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-S-20240919	8	Toluene	Sample	16.9	ug/m3	0.244	ug/m3		Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-D-20240919	8	Benzene	Duplicate	4.57	ug/m3	0.19	ug/m3		Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-D-20240919	8	Ethylbenzene	Duplicate	3.18	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-D-20240919	8	m-/p-Xylene	Duplicate	10.5	ug/m3	0.276	ug/m3		Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-D-20240919	8	o-Xylene	Duplicate	4.12	ug/m3	0.276	ug/m3		Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-D-20240919	8	Toluene	Duplicate	17.4	ug/m3	0.244	ug/m3		Y	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-B-20240919	8	Benzene	Blank	<0.19	ug/m3	0.19	ug/m3	ND	N	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-B-20240919	8	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND,Pc	N	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-B-20240919	8	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-B-20240919	8	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-8-B-20240919	8	Toluene	Blank	<0.244	ug/m3	0.244	ug/m3	ND	N	9/19/2024	12:35	10/3/2024	10:25
IRVSEA-9-S-20240919	9	Benzene	Sample	3.49	ug/m3	0.19	ug/m3		Y	9/19/2024	12:40	10/3/2024	10:30
IRVSEA-9-S-20240919	9	Ethylbenzene	Sample	2.12	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	12:40	10/3/2024	10:30
IRVSEA-9-S-20240919	9	m-/p-Xylene	Sample	6.85	ug/m3	0.276	ug/m3		Y	9/19/2024	12:40	10/3/2024	10:30
IRVSEA-9-S-20240919	9	o-Xylene	Sample	2.84	ug/m3	0.276	ug/m3		Y	9/19/2024	12:40	10/3/2024	10:30

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-9-S-20240919	9	Toluene	Sample	13.2	ug/m3	0.244	ug/m3		Y	9/19/2024	12:40	10/3/2024	10:30
IRVSEA-10-S-20240919	10	Benzene	Sample	4.39	ug/m3	0.19	ug/m3		Y	9/19/2024	12:45	10/3/2024	10:35
IRVSEA-10-S-20240919	10	Ethylbenzene	Sample	2.82	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	12:45	10/3/2024	10:35
IRVSEA-10-S-20240919	10	m-/p-Xylene	Sample	8.71	ug/m3	0.276	ug/m3		Y	9/19/2024	12:45	10/3/2024	10:35
IRVSEA-10-S-20240919	10	o-Xylene	Sample	3.56	ug/m3	0.276	ug/m3		Y	9/19/2024	12:45	10/3/2024	10:35
IRVSEA-10-S-20240919	10	Toluene	Sample	16.2	ug/m3	0.244	ug/m3		Y	9/19/2024	12:45	10/3/2024	10:35
IRVSEA-11-S-20240919	11	Benzene	Sample	1.9	ug/m3	0.19	ug/m3		Y	9/19/2024	12:50	10/3/2024	10:40
IRVSEA-11-S-20240919	11	Ethylbenzene	Sample	1.26	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	12:50	10/3/2024	10:40
IRVSEA-11-S-20240919	11	m-/p-Xylene	Sample	3.74	ug/m3	0.276	ug/m3		Y	9/19/2024	12:50	10/3/2024	10:40
IRVSEA-11-S-20240919	11	o-Xylene	Sample	1.58	ug/m3	0.276	ug/m3		Y	9/19/2024	12:50	10/3/2024	10:40
IRVSEA-11-S-20240919	11	Toluene	Sample	6.54	ug/m3	0.244	ug/m3		Y	9/19/2024	12:50	10/3/2024	10:40
IRVSEA-12-S-20240919	12	Benzene	Sample	1.14	ug/m3	0.19	ug/m3		Y	9/19/2024	13:00	10/3/2024	10:45
IRVSEA-12-S-20240919	12	Ethylbenzene	Sample	0.46	ug/m3	0.276	ug/m3	J,Pc	Y	9/19/2024	13:00	10/3/2024	10:45
IRVSEA-12-S-20240919	12	m-/p-Xylene	Sample	1.45	ug/m3	0.276	ug/m3		Y	9/19/2024	13:00	10/3/2024	10:45
IRVSEA-12-S-20240919	12	o-Xylene	Sample	0.607	ug/m3	0.276	ug/m3		Y	9/19/2024	13:00	10/3/2024	10:45
IRVSEA-12-S-20240919	12	Toluene	Sample	3.08	ug/m3	0.244	ug/m3		Y	9/19/2024	13:00	10/3/2024	10:45
IRVSEA-13-S-20240919	13	Benzene	Sample	0.728	ug/m3	0.19	ug/m3		Y	9/19/2024	13:05	10/3/2024	10:50
IRVSEA-13-S-20240919	13	Ethylbenzene	Sample	0.637	ug/m3	0.276	ug/m3	Pc	Y	9/19/2024	13:05	10/3/2024	10:50
IRVSEA-13-S-20240919	13	m-/p-Xylene	Sample	1.33	ug/m3	0.276	ug/m3		Y	9/19/2024	13:05	10/3/2024	10:50
IRVSEA-13-S-20240919	13	o-Xylene	Sample	0.551	ug/m3	0.276	ug/m3	J	Y	9/19/2024	13:05	10/3/2024	10:50
IRVSEA-13-S-20240919	13	Toluene	Sample	1.95	ug/m3	0.244	ug/m3		Y	9/19/2024	13:05	10/3/2024	10:50
IRVSEA-14-S-20240919	14	Benzene	Sample	0.453	ug/m3	0.19	ug/m3		Y	9/19/2024	13:10	10/3/2024	10:55
IRVSEA-14-S-20240919	14	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND,Pc	N	9/19/2024	13:10	10/3/2024	10:55
IRVSEA-14-S-20240919	14	m-/p-Xylene	Sample	0.703	ug/m3	0.276	ug/m3		Y	9/19/2024	13:10	10/3/2024	10:55
IRVSEA-14-S-20240919	14	o-Xylene	Sample	0.291	ug/m3	0.276	ug/m3	J	Y	9/19/2024	13:10	10/3/2024	10:55
IRVSEA-14-S-20240919	14	Toluene	Sample	1.24	ug/m3	0.244	ug/m3		Y	9/19/2024	13:10	10/3/2024	10:55
IRVSEA-15-S-20240919	15	Benzene	Sample	0.538	ug/m3	0.19	ug/m3		Y	9/19/2024	13:30	10/3/2024	11:15
IRVSEA-15-S-20240919	15	Ethylbenzene	Sample	0.38	ug/m3	0.276	ug/m3	J,Pc	Y	9/19/2024	13:30	10/3/2024	11:15
IRVSEA-15-S-20240919	15	m-/p-Xylene	Sample	0.817	ug/m3	0.276	ug/m3		Y	9/19/2024	13:30	10/3/2024	11:15
IRVSEA-15-S-20240919	15	o-Xylene	Sample	0.403	ug/m3	0.276	ug/m3	J	Y	9/19/2024	13:30	10/3/2024	11:15
IRVSEA-15-S-20240919	15	Toluene	Sample	2.94	ug/m3	0.244	ug/m3		Y	9/19/2024	13:30	10/3/2024	11:15
IRVSEA-16-S-20240919	16	Benzene	Sample	0.48	ug/m3	0.19	ug/m3		Y	9/19/2024	13:35	10/3/2024	11:20

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-16-S-20240919	16	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND,Pc	N	9/19/2024	13:35	10/3/2024	11:20
IRVSEA-16-S-20240919	16	m-/p-Xylene	Sample	0.334	ug/m3	0.276	ug/m3	J	Y	9/19/2024	13:35	10/3/2024	11:20
IRVSEA-16-S-20240919	16	o-Xylene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	9/19/2024	13:35	10/3/2024	11:20
IRVSEA-16-S-20240919	16	Toluene	Sample	0.722	ug/m3	0.244	ug/m3		Y	9/19/2024	13:35	10/3/2024	11:20
IRVSEA-17-S-20240919	17	Benzene	Sample	0.545	ug/m3	0.19	ug/m3		Y	9/19/2024	13:40	10/3/2024	11:25
IRVSEA-17-S-20240919	17	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND,Pc	N	9/19/2024	13:40	10/3/2024	11:25
IRVSEA-17-S-20240919	17	m-/p-Xylene	Sample	0.6	ug/m3	0.276	ug/m3		Y	9/19/2024	13:40	10/3/2024	11:25
IRVSEA-17-S-20240919	17	o-Xylene	Sample	0.29	ug/m3	0.276	ug/m3	J	Y	9/19/2024	13:40	10/3/2024	11:25
IRVSEA-17-S-20240919	17	Toluene	Sample	1.78	ug/m3	0.244	ug/m3		Y	9/19/2024	13:40	10/3/2024	11:25
IRVSEA-1-S-20241003	1	Benzene	Sample	0.536	ug/m3	0.189	ug/m3	P	Y	10/3/2024	09:45	10/17/2024	10:35
IRVSEA-1-S-20241003	1	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:45	10/17/2024	10:35
IRVSEA-1-S-20241003	1	m-/p-Xylene	Sample	0.43	ug/m3	0.276	ug/m3	J	Y	10/3/2024	09:45	10/17/2024	10:35
IRVSEA-1-S-20241003	1	o-Xylene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:45	10/17/2024	10:35
IRVSEA-1-S-20241003	1	Toluene	Sample	0.892	ug/m3	0.244	ug/m3	B	Y	10/3/2024	09:45	10/17/2024	10:35
IRVSEA-2-S-20241003	2	Benzene	Sample	0.658	ug/m3	0.189	ug/m3	P	Y	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-S-20241003	2	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-S-20241003	2	m-/p-Xylene	Sample	0.788	ug/m3	0.276	ug/m3		Y	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-S-20241003	2	o-Xylene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-S-20241003	2	Toluene	Sample	1.4	ug/m3	0.244	ug/m3	B	Y	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-D-20241003	2	Benzene	Duplicate	1.6	ug/m3	0.189	ug/m3	P	Y	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-D-20241003	2	Ethylbenzene	Duplicate	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-D-20241003	2	m-/p-Xylene	Duplicate	0.649	ug/m3	0.276	ug/m3		Y	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-D-20241003	2	o-Xylene	Duplicate	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-D-20241003	2	Toluene	Duplicate	1.44	ug/m3	0.244	ug/m3	B	Y	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-B-20241003	2	Benzene	Blank	<0.189	ug/m3	0.189	ug/m3	ND,P	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-B-20241003	2	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-B-20241003	2	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-B-20241003	2	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-2-B-20241003	2	Toluene	Blank	<0.244	ug/m3	0.244	ug/m3	ND	N	10/3/2024	09:50	10/17/2024	10:40
IRVSEA-3-S-20241003	3	Benzene	Sample	0.785	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:00	10/17/2024	10:50
IRVSEA-3-S-20241003	3	Ethylbenzene	Sample	0.354	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:00	10/17/2024	10:50
IRVSEA-3-S-20241003	3	m-/p-Xylene	Sample	1.39	ug/m3	0.276	ug/m3		Y	10/3/2024	10:00	10/17/2024	10:50

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-3-S-20241003	3	o-Xylene	Sample	0.478	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:00	10/17/2024	10:50
IRVSEA-3-S-20241003	3	Toluene	Sample	2.14	ug/m3	0.244	ug/m3	B	Y	10/3/2024	10:00	10/17/2024	10:50
IRVSEA-4-S-20241003	4	Benzene	Sample	1.18	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:05	10/17/2024	10:55
IRVSEA-4-S-20241003	4	Ethylbenzene	Sample	0.535	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:05	10/17/2024	10:55
IRVSEA-4-S-20241003	4	m-/p-Xylene	Sample	1.7	ug/m3	0.276	ug/m3		Y	10/3/2024	10:05	10/17/2024	10:55
IRVSEA-4-S-20241003	4	o-Xylene	Sample	0.672	ug/m3	0.276	ug/m3		Y	10/3/2024	10:05	10/17/2024	10:55
IRVSEA-4-S-20241003	4	Toluene	Sample	3.09	ug/m3	0.244	ug/m3		Y	10/3/2024	10:05	10/17/2024	10:55
IRVSEA-5-S-20241003	5	Benzene	Sample	1.12	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:10	10/17/2024	11:00
IRVSEA-5-S-20241003	5	Ethylbenzene	Sample	0.652	ug/m3	0.276	ug/m3		Y	10/3/2024	10:10	10/17/2024	11:00
IRVSEA-5-S-20241003	5	m-/p-Xylene	Sample	2.47	ug/m3	0.276	ug/m3		Y	10/3/2024	10:10	10/17/2024	11:00
IRVSEA-5-S-20241003	5	o-Xylene	Sample	0.916	ug/m3	0.276	ug/m3		Y	10/3/2024	10:10	10/17/2024	11:00
IRVSEA-5-S-20241003	5	Toluene	Sample	3.43	ug/m3	0.244	ug/m3		Y	10/3/2024	10:10	10/17/2024	11:00
IRVSEA-6-S-20241003	6	Benzene	Sample	1.35	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:15	10/17/2024	11:05
IRVSEA-6-S-20241003	6	Ethylbenzene	Sample	0.884	ug/m3	0.276	ug/m3		Y	10/3/2024	10:15	10/17/2024	11:05
IRVSEA-6-S-20241003	6	m-/p-Xylene	Sample	2.33	ug/m3	0.276	ug/m3		Y	10/3/2024	10:15	10/17/2024	11:05
IRVSEA-6-S-20241003	6	o-Xylene	Sample	0.815	ug/m3	0.276	ug/m3		Y	10/3/2024	10:15	10/17/2024	11:05
IRVSEA-6-S-20241003	6	Toluene	Sample	4.12	ug/m3	0.244	ug/m3		Y	10/3/2024	10:15	10/17/2024	11:05
IRVSEA-7-S-20241003	7	Benzene	Sample	2.43	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:20	10/17/2024	11:10
IRVSEA-7-S-20241003	7	Ethylbenzene	Sample	1.61	ug/m3	0.276	ug/m3		Y	10/3/2024	10:20	10/17/2024	11:10
IRVSEA-7-S-20241003	7	m-/p-Xylene	Sample	5.49	ug/m3	0.276	ug/m3		Y	10/3/2024	10:20	10/17/2024	11:10
IRVSEA-7-S-20241003	7	o-Xylene	Sample	2.01	ug/m3	0.276	ug/m3		Y	10/3/2024	10:20	10/17/2024	11:10
IRVSEA-7-S-20241003	7	Toluene	Sample	7.63	ug/m3	0.244	ug/m3		Y	10/3/2024	10:20	10/17/2024	11:10
IRVSEA-8-S-20241003	8	Benzene	Sample	2.66	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-S-20241003	8	Ethylbenzene	Sample	1.34	ug/m3	0.276	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-S-20241003	8	m-/p-Xylene	Sample	5.33	ug/m3	0.276	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-S-20241003	8	o-Xylene	Sample	1.92	ug/m3	0.276	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-S-20241003	8	Toluene	Sample	7.81	ug/m3	0.244	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-D-20241003	8	Benzene	Duplicate	2.66	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-D-20241003	8	Ethylbenzene	Duplicate	1.44	ug/m3	0.276	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-D-20241003	8	m-/p-Xylene	Duplicate	5.79	ug/m3	0.276	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-D-20241003	8	o-Xylene	Duplicate	2.12	ug/m3	0.276	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-D-20241003	8	Toluene	Duplicate	8.24	ug/m3	0.244	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-8-B-20241003	8	Benzene	Blank	0.35	ug/m3	0.189	ug/m3	J,P	Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-B-20241003	8	Ethylbenzene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-B-20241003	8	m-/p-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-B-20241003	8	o-Xylene	Blank	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-8-B-20241003	8	Toluene	Blank	0.92	ug/m3	0.244	ug/m3		Y	10/3/2024	10:25	10/17/2024	11:15
IRVSEA-9-S-20241003	9	Benzene	Sample	1.2	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:30	10/17/2024	11:20
IRVSEA-9-S-20241003	9	Ethylbenzene	Sample	0.499	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:30	10/17/2024	11:20
IRVSEA-9-S-20241003	9	m-/p-Xylene	Sample	1.75	ug/m3	0.276	ug/m3		Y	10/3/2024	10:30	10/17/2024	11:20
IRVSEA-9-S-20241003	9	o-Xylene	Sample	0.652	ug/m3	0.276	ug/m3		Y	10/3/2024	10:30	10/17/2024	11:20
IRVSEA-9-S-20241003	9	Toluene	Sample	2.9	ug/m3	0.244	ug/m3		Y	10/3/2024	10:30	10/17/2024	11:20
IRVSEA-10-S-20241003	10	Benzene	Sample	1.47	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:35	10/17/2024	11:25
IRVSEA-10-S-20241003	10	Ethylbenzene	Sample	0.807	ug/m3	0.276	ug/m3		Y	10/3/2024	10:35	10/17/2024	11:25
IRVSEA-10-S-20241003	10	m-/p-Xylene	Sample	2.59	ug/m3	0.276	ug/m3		Y	10/3/2024	10:35	10/17/2024	11:25
IRVSEA-10-S-20241003	10	o-Xylene	Sample	0.953	ug/m3	0.276	ug/m3		Y	10/3/2024	10:35	10/17/2024	11:25
IRVSEA-10-S-20241003	10	Toluene	Sample	4.1	ug/m3	0.244	ug/m3		Y	10/3/2024	10:35	10/17/2024	11:25
IRVSEA-11-S-20241003	11	Benzene	Sample	1.38	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:40	10/17/2024	11:30
IRVSEA-11-S-20241003	11	Ethylbenzene	Sample	0.715	ug/m3	0.276	ug/m3		Y	10/3/2024	10:40	10/17/2024	11:30
IRVSEA-11-S-20241003	11	m-/p-Xylene	Sample	2.84	ug/m3	0.276	ug/m3		Y	10/3/2024	10:40	10/17/2024	11:30
IRVSEA-11-S-20241003	11	o-Xylene	Sample	1.01	ug/m3	0.276	ug/m3		Y	10/3/2024	10:40	10/17/2024	11:30
IRVSEA-11-S-20241003	11	Toluene	Sample	3.78	ug/m3	0.244	ug/m3		Y	10/3/2024	10:40	10/17/2024	11:30
IRVSEA-12-S-20241003	12	Benzene	Sample	1.1	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:45	10/17/2024	11:35
IRVSEA-12-S-20241003	12	Ethylbenzene	Sample	0.504	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:45	10/17/2024	11:35
IRVSEA-12-S-20241003	12	m-/p-Xylene	Sample	1.5	ug/m3	0.276	ug/m3		Y	10/3/2024	10:45	10/17/2024	11:35
IRVSEA-12-S-20241003	12	o-Xylene	Sample	0.532	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:45	10/17/2024	11:35
IRVSEA-12-S-20241003	12	Toluene	Sample	2.77	ug/m3	0.244	ug/m3		Y	10/3/2024	10:45	10/17/2024	11:35
IRVSEA-13-S-20241003	13	Benzene	Sample	0.736	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:50	10/17/2024	11:40
IRVSEA-13-S-20241003	13	Ethylbenzene	Sample	0.366	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:50	10/17/2024	11:40
IRVSEA-13-S-20241003	13	m-/p-Xylene	Sample	1.05	ug/m3	0.276	ug/m3		Y	10/3/2024	10:50	10/17/2024	11:40
IRVSEA-13-S-20241003	13	o-Xylene	Sample	0.329	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:50	10/17/2024	11:40
IRVSEA-13-S-20241003	13	Toluene	Sample	1.66	ug/m3	0.244	ug/m3	B	Y	10/3/2024	10:50	10/17/2024	11:40
IRVSEA-14-S-20241003	14	Benzene	Sample	0.519	ug/m3	0.189	ug/m3	P	Y	10/3/2024	10:55	10/17/2024	11:45
IRVSEA-14-S-20241003	14	Ethylbenzene	Sample	0.401	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:55	10/17/2024	11:45

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-14-S-20241003	14	m-/p-Xylene	Sample	1.09	ug/m3	0.276	ug/m3		Y	10/3/2024	10:55	10/17/2024	11:45
IRVSEA-14-S-20241003	14	o-Xylene	Sample	0.318	ug/m3	0.276	ug/m3	J	Y	10/3/2024	10:55	10/17/2024	11:45
IRVSEA-14-S-20241003	14	Toluene	Sample	1.44	ug/m3	0.244	ug/m3	B	Y	10/3/2024	10:55	10/17/2024	11:45
IRVSEA-15-S-20241003	15	Benzene	Sample	0.358	ug/m3	0.189	ug/m3	J,P	Y	10/3/2024	11:15	10/17/2024	12:10
IRVSEA-15-S-20241003	15	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	11:15	10/17/2024	12:10
IRVSEA-15-S-20241003	15	m-/p-Xylene	Sample	0.404	ug/m3	0.276	ug/m3	J	Y	10/3/2024	11:15	10/17/2024	12:10
IRVSEA-15-S-20241003	15	o-Xylene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	11:15	10/17/2024	12:10
IRVSEA-15-S-20241003	15	Toluene	Sample	0.536	ug/m3	0.244	ug/m3	B	Y	10/3/2024	11:15	10/17/2024	12:10
IRVSEA-16-S-20241003	16	Benzene	Sample	0.377	ug/m3	0.189	ug/m3	J,P	Y	10/3/2024	11:20	10/17/2024	12:15
IRVSEA-16-S-20241003	16	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	11:20	10/17/2024	12:15
IRVSEA-16-S-20241003	16	m-/p-Xylene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	11:20	10/17/2024	12:15
IRVSEA-16-S-20241003	16	o-Xylene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	11:20	10/17/2024	12:15
IRVSEA-16-S-20241003	16	Toluene	Sample	0.435	ug/m3	0.244	ug/m3	J,B	Y	10/3/2024	11:20	10/17/2024	12:15
IRVSEA-17-S-20241003	17	Benzene	Sample	0.39	ug/m3	0.189	ug/m3	J,P	Y	10/3/2024	11:25	10/17/2024	12:20
IRVSEA-17-S-20241003	17	Ethylbenzene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	11:25	10/17/2024	12:20
IRVSEA-17-S-20241003	17	m-/p-Xylene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	11:25	10/17/2024	12:20
IRVSEA-17-S-20241003	17	o-Xylene	Sample	<0.276	ug/m3	0.276	ug/m3	ND	N	10/3/2024	11:25	10/17/2024	12:20
IRVSEA-17-S-20241003	17	Toluene	Sample	0.512	ug/m3	0.244	ug/m3	J,B	Y	10/3/2024	11:25	10/17/2024	12:20
IRVSEA-1-S-20241017	1	Benzene	Sample	0.59	ug/m3	0.191	ug/m3		Y	10/17/2024	10:35	10/31/2024	09:10
IRVSEA-1-S-20241017	1	Ethylbenzene	Sample	0.326	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:35	10/31/2024	09:10
IRVSEA-1-S-20241017	1	m-/p-Xylene	Sample	1.07	ug/m3	0.278	ug/m3		Y	10/17/2024	10:35	10/31/2024	09:10
IRVSEA-1-S-20241017	1	o-Xylene	Sample	0.374	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:35	10/31/2024	09:10
IRVSEA-1-S-20241017	1	Toluene	Sample	1.42	ug/m3	0.246	ug/m3		Y	10/17/2024	10:35	10/31/2024	09:10
IRVSEA-2-S-20241017	2	Benzene	Sample	0.715	ug/m3	0.191	ug/m3		Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-S-20241017	2	Ethylbenzene	Sample	0.358	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-S-20241017	2	m-/p-Xylene	Sample	0.986	ug/m3	0.278	ug/m3		Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-S-20241017	2	o-Xylene	Sample	0.326	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-S-20241017	2	Toluene	Sample	1.89	ug/m3	0.246	ug/m3		Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-D-20241017	2	Benzene	Duplicate	0.703	ug/m3	0.191	ug/m3		Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-D-20241017	2	Ethylbenzene	Duplicate	0.315	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-D-20241017	2	m-/p-Xylene	Duplicate	1.14	ug/m3	0.278	ug/m3		Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-D-20241017	2	o-Xylene	Duplicate	0.396	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:40	10/31/2024	09:15

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-2-D-20241017	2	Toluene	Duplicate	2.4	ug/m3	0.246	ug/m3		Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-B-20241017	2	Benzene	Blank	0.23	ug/m3	0.191	ug/m3	J	Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-B-20241017	2	Ethylbenzene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-B-20241017	2	m-/p-Xylene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-B-20241017	2	o-Xylene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-2-B-20241017	2	Toluene	Blank	0.25	ug/m3	0.246	ug/m3	J	Y	10/17/2024	10:40	10/31/2024	09:15
IRVSEA-3-S-20241017	3	Benzene	Sample	0.847	ug/m3	0.191	ug/m3		Y	10/17/2024	10:50	10/31/2024	09:25
IRVSEA-3-S-20241017	3	Ethylbenzene	Sample	0.412	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:50	10/31/2024	09:25
IRVSEA-3-S-20241017	3	m-/p-Xylene	Sample	1.21	ug/m3	0.278	ug/m3		Y	10/17/2024	10:50	10/31/2024	09:25
IRVSEA-3-S-20241017	3	o-Xylene	Sample	0.475	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:50	10/31/2024	09:25
IRVSEA-3-S-20241017	3	Toluene	Sample	2.71	ug/m3	0.246	ug/m3		Y	10/17/2024	10:50	10/31/2024	09:25
IRVSEA-4-S-20241017	4	Benzene	Sample	1.41	ug/m3	0.191	ug/m3		Y	10/17/2024	10:55	10/31/2024	09:30
IRVSEA-4-S-20241017	4	Ethylbenzene	Sample	0.566	ug/m3	0.278	ug/m3	J	Y	10/17/2024	10:55	10/31/2024	09:30
IRVSEA-4-S-20241017	4	m-/p-Xylene	Sample	2.1	ug/m3	0.278	ug/m3		Y	10/17/2024	10:55	10/31/2024	09:30
IRVSEA-4-S-20241017	4	o-Xylene	Sample	0.743	ug/m3	0.278	ug/m3		Y	10/17/2024	10:55	10/31/2024	09:30
IRVSEA-4-S-20241017	4	Toluene	Sample	3.86	ug/m3	0.246	ug/m3		Y	10/17/2024	10:55	10/31/2024	09:30
IRVSEA-5-S-20241017	5	Benzene	Sample	1.18	ug/m3	0.191	ug/m3		Y	10/17/2024	11:00	10/31/2024	09:35
IRVSEA-5-S-20241017	5	Ethylbenzene	Sample	0.749	ug/m3	0.278	ug/m3		Y	10/17/2024	11:00	10/31/2024	09:35
IRVSEA-5-S-20241017	5	m-/p-Xylene	Sample	2.54	ug/m3	0.278	ug/m3		Y	10/17/2024	11:00	10/31/2024	09:35
IRVSEA-5-S-20241017	5	o-Xylene	Sample	0.901	ug/m3	0.278	ug/m3		Y	10/17/2024	11:00	10/31/2024	09:35
IRVSEA-5-S-20241017	5	Toluene	Sample	4.05	ug/m3	0.246	ug/m3		Y	10/17/2024	11:00	10/31/2024	09:35
IRVSEA-6-S-20241017	6	Benzene	Sample	1.77	ug/m3	0.191	ug/m3		Y	10/17/2024	11:05	10/31/2024	09:40
IRVSEA-6-S-20241017	6	Ethylbenzene	Sample	1.29	ug/m3	0.278	ug/m3		Y	10/17/2024	11:05	10/31/2024	09:40
IRVSEA-6-S-20241017	6	m-/p-Xylene	Sample	4.31	ug/m3	0.278	ug/m3		Y	10/17/2024	11:05	10/31/2024	09:40
IRVSEA-6-S-20241017	6	o-Xylene	Sample	1.62	ug/m3	0.278	ug/m3		Y	10/17/2024	11:05	10/31/2024	09:40
IRVSEA-6-S-20241017	6	Toluene	Sample	6.32	ug/m3	0.246	ug/m3		Y	10/17/2024	11:05	10/31/2024	09:40
IRVSEA-7-S-20241017	7	Benzene	Sample	2.74	ug/m3	0.191	ug/m3		Y	10/17/2024	11:10	10/31/2024	09:45
IRVSEA-7-S-20241017	7	Ethylbenzene	Sample	2.2	ug/m3	0.278	ug/m3		Y	10/17/2024	11:10	10/31/2024	09:45
IRVSEA-7-S-20241017	7	m-/p-Xylene	Sample	8.63	ug/m3	0.278	ug/m3		Y	10/17/2024	11:10	10/31/2024	09:45
IRVSEA-7-S-20241017	7	o-Xylene	Sample	3.06	ug/m3	0.278	ug/m3		Y	10/17/2024	11:10	10/31/2024	09:45
IRVSEA-7-S-20241017	7	Toluene	Sample	10.6	ug/m3	0.246	ug/m3		Y	10/17/2024	11:10	10/31/2024	09:45
IRVSEA-8-S-20241017	8	Benzene	Sample	3.18	ug/m3	0.191	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-8-S-20241017	8	Ethylbenzene	Sample	2.4	ug/m3	0.278	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-S-20241017	8	m-/p-Xylene	Sample	8.52	ug/m3	0.278	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-S-20241017	8	o-Xylene	Sample	3.13	ug/m3	0.278	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-S-20241017	8	Toluene	Sample	12.2	ug/m3	0.246	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-D-20241017	8	Benzene	Duplicate	3.06	ug/m3	0.191	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-D-20241017	8	Ethylbenzene	Duplicate	1.93	ug/m3	0.278	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-D-20241017	8	m-/p-Xylene	Duplicate	7.74	ug/m3	0.278	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-D-20241017	8	o-Xylene	Duplicate	2.84	ug/m3	0.278	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-D-20241017	8	Toluene	Duplicate	11.5	ug/m3	0.246	ug/m3		Y	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-B-20241017	8	Benzene	Blank	<0.191	ug/m3	0.191	ug/m3	ND	N	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-B-20241017	8	Ethylbenzene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-B-20241017	8	m-/p-Xylene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-B-20241017	8	o-Xylene	Blank	<0.278	ug/m3	0.278	ug/m3	ND	N	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-8-B-20241017	8	Toluene	Blank	<0.246	ug/m3	0.246	ug/m3	ND	N	10/17/2024	11:15	10/31/2024	09:50
IRVSEA-9-S-20241017	9	Benzene	Sample	1.66	ug/m3	0.191	ug/m3		Y	10/17/2024	11:20	10/31/2024	10:00
IRVSEA-9-S-20241017	9	Ethylbenzene	Sample	1.02	ug/m3	0.278	ug/m3		Y	10/17/2024	11:20	10/31/2024	10:00
IRVSEA-9-S-20241017	9	m-/p-Xylene	Sample	4.08	ug/m3	0.278	ug/m3		Y	10/17/2024	11:20	10/31/2024	10:00
IRVSEA-9-S-20241017	9	o-Xylene	Sample	1.53	ug/m3	0.278	ug/m3		Y	10/17/2024	11:20	10/31/2024	10:00
IRVSEA-9-S-20241017	9	Toluene	Sample	5.54	ug/m3	0.246	ug/m3		Y	10/17/2024	11:20	10/31/2024	10:00
IRVSEA-10-S-20241017	10	Benzene	Sample	1.83	ug/m3	0.191	ug/m3		Y	10/17/2024	11:25	10/31/2024	10:05
IRVSEA-10-S-20241017	10	Ethylbenzene	Sample	1.27	ug/m3	0.278	ug/m3		Y	10/17/2024	11:25	10/31/2024	10:05
IRVSEA-10-S-20241017	10	m-/p-Xylene	Sample	4.99	ug/m3	0.278	ug/m3		Y	10/17/2024	11:25	10/31/2024	10:05
IRVSEA-10-S-20241017	10	o-Xylene	Sample	1.76	ug/m3	0.278	ug/m3		Y	10/17/2024	11:25	10/31/2024	10:05
IRVSEA-10-S-20241017	10	Toluene	Sample	6.59	ug/m3	0.246	ug/m3		Y	10/17/2024	11:25	10/31/2024	10:05
IRVSEA-11-S-20241017	11	Benzene	Sample	1.73	ug/m3	0.191	ug/m3		Y	10/17/2024	11:30	10/31/2024	10:10
IRVSEA-11-S-20241017	11	Ethylbenzene	Sample	1.17	ug/m3	0.278	ug/m3		Y	10/17/2024	11:30	10/31/2024	10:10
IRVSEA-11-S-20241017	11	m-/p-Xylene	Sample	4.39	ug/m3	0.278	ug/m3		Y	10/17/2024	11:30	10/31/2024	10:10
IRVSEA-11-S-20241017	11	o-Xylene	Sample	1.58	ug/m3	0.278	ug/m3		Y	10/17/2024	11:30	10/31/2024	10:10
IRVSEA-11-S-20241017	11	Toluene	Sample	6.18	ug/m3	0.246	ug/m3		Y	10/17/2024	11:30	10/31/2024	10:10
IRVSEA-12-S-20241017	12	Benzene	Sample	1.83	ug/m3	0.191	ug/m3		Y	10/17/2024	11:35	10/31/2024	10:15
IRVSEA-12-S-20241017	12	Ethylbenzene	Sample	1.03	ug/m3	0.278	ug/m3		Y	10/17/2024	11:35	10/31/2024	10:15
IRVSEA-12-S-20241017	12	m-/p-Xylene	Sample	3.95	ug/m3	0.278	ug/m3		Y	10/17/2024	11:35	10/31/2024	10:15

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-12-S-20241017	12	o-Xylene	Sample	1.4	ug/m3	0.278	ug/m3		Y	10/17/2024	11:35	10/31/2024	10:15
IRVSEA-12-S-20241017	12	Toluene	Sample	6.83	ug/m3	0.246	ug/m3		Y	10/17/2024	11:35	10/31/2024	10:15
IRVSEA-13-S-20241017	13	Benzene	Sample	1.01	ug/m3	0.191	ug/m3		Y	10/17/2024	11:40	10/31/2024	10:20
IRVSEA-13-S-20241017	13	Ethylbenzene	Sample	0.637	ug/m3	0.278	ug/m3		Y	10/17/2024	11:40	10/31/2024	10:20
IRVSEA-13-S-20241017	13	m-/p-Xylene	Sample	2.23	ug/m3	0.278	ug/m3		Y	10/17/2024	11:40	10/31/2024	10:20
IRVSEA-13-S-20241017	13	o-Xylene	Sample	0.858	ug/m3	0.278	ug/m3		Y	10/17/2024	11:40	10/31/2024	10:20
IRVSEA-13-S-20241017	13	Toluene	Sample	3.39	ug/m3	0.246	ug/m3		Y	10/17/2024	11:40	10/31/2024	10:20
IRVSEA-14-S-20241017	14	Benzene	Sample	0.704	ug/m3	0.191	ug/m3		Y	10/17/2024	11:45	10/31/2024	10:25
IRVSEA-14-S-20241017	14	Ethylbenzene	Sample	0.461	ug/m3	0.278	ug/m3	J	Y	10/17/2024	11:45	10/31/2024	10:25
IRVSEA-14-S-20241017	14	m-/p-Xylene	Sample	1.2	ug/m3	0.278	ug/m3		Y	10/17/2024	11:45	10/31/2024	10:25
IRVSEA-14-S-20241017	14	o-Xylene	Sample	0.542	ug/m3	0.278	ug/m3	J	Y	10/17/2024	11:45	10/31/2024	10:25
IRVSEA-14-S-20241017	14	Toluene	Sample	1.88	ug/m3	0.246	ug/m3		Y	10/17/2024	11:45	10/31/2024	10:25
IRVSEA-15-S-20241017	15	Benzene	Sample	0.658	ug/m3	0.191	ug/m3		Y	10/17/2024	12:10	10/31/2024	10:40
IRVSEA-15-S-20241017	15	Ethylbenzene	Sample	0.341	ug/m3	0.278	ug/m3	J	Y	10/17/2024	12:10	10/31/2024	10:40
IRVSEA-15-S-20241017	15	m-/p-Xylene	Sample	0.908	ug/m3	0.278	ug/m3		Y	10/17/2024	12:10	10/31/2024	10:40
IRVSEA-15-S-20241017	15	o-Xylene	Sample	0.306	ug/m3	0.278	ug/m3	J	Y	10/17/2024	12:10	10/31/2024	10:40
IRVSEA-15-S-20241017	15	Toluene	Sample	1.33	ug/m3	0.246	ug/m3		Y	10/17/2024	12:10	10/31/2024	10:40
IRVSEA-16-S-20241017	16	Benzene	Sample	0.564	ug/m3	0.191	ug/m3		Y	10/17/2024	12:15	10/31/2024	10:45
IRVSEA-16-S-20241017	16	Ethylbenzene	Sample	0.283	ug/m3	0.278	ug/m3	J	Y	10/17/2024	12:15	10/31/2024	10:45
IRVSEA-16-S-20241017	16	m-/p-Xylene	Sample	1.02	ug/m3	0.278	ug/m3		Y	10/17/2024	12:15	10/31/2024	10:45
IRVSEA-16-S-20241017	16	o-Xylene	Sample	0.359	ug/m3	0.278	ug/m3	J	Y	10/17/2024	12:15	10/31/2024	10:45
IRVSEA-16-S-20241017	16	Toluene	Sample	1.35	ug/m3	0.246	ug/m3		Y	10/17/2024	12:15	10/31/2024	10:45
IRVSEA-17-S-20241017	17	Benzene	Sample	0.566	ug/m3	0.191	ug/m3		Y	10/17/2024	12:20	10/31/2024	10:50
IRVSEA-17-S-20241017	17	Ethylbenzene	Sample	0.418	ug/m3	0.278	ug/m3	J	Y	10/17/2024	12:20	10/31/2024	10:50
IRVSEA-17-S-20241017	17	m-/p-Xylene	Sample	0.827	ug/m3	0.278	ug/m3		Y	10/17/2024	12:20	10/31/2024	10:50
IRVSEA-17-S-20241017	17	o-Xylene	Sample	0.28	ug/m3	0.278	ug/m3	J	Y	10/17/2024	12:20	10/31/2024	10:50
IRVSEA-17-S-20241017	17	Toluene	Sample	1.4	ug/m3	0.246	ug/m3		Y	10/17/2024	12:20	10/31/2024	10:50
IRVSEA-1-S-20241031	1	Benzene	Sample	0.527	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:10	11/14/2024	09:00
IRVSEA-1-S-20241031	1	Ethylbenzene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	09:10	11/14/2024	09:00
IRVSEA-1-S-20241031	1	m-/p-Xylenes	Sample	0.461	ug/m3	0.277	ug/m3	J	Y	10/31/2024	09:10	11/14/2024	09:00
IRVSEA-1-S-20241031	1	o-Xylene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	09:10	11/14/2024	09:00
IRVSEA-1-S-20241031	1	Toluene	Sample	1.04	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:10	11/14/2024	09:00

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-2-S-20241031	2	Benzene	Sample	0.665	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-S-20241031	2	Ethylbenzene	Sample	0.284	ug/m3	0.277	ug/m3	J	Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-S-20241031	2	m-/p-Xylenes	Sample	0.89	ug/m3	0.277	ug/m3		Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-S-20241031	2	o-Xylene	Sample	0.368	ug/m3	0.277	ug/m3	J	Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-S-20241031	2	Toluene	Sample	1.83	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-D-20241031	2	Benzene	Duplicate	0.971	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-D-20241031	2	Ethylbenzene	Duplicate	0.383	ug/m3	0.277	ug/m3	J	Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-D-20241031	2	m-/p-Xylenes	Duplicate	0.927	ug/m3	0.277	ug/m3		Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-D-20241031	2	o-Xylene	Duplicate	0.384	ug/m3	0.277	ug/m3	J	Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-D-20241031	2	Toluene	Duplicate	2.57	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-B-20241031	2	Benzene	Blank	<0.19	ug/m3	0.19	ug/m3	ND,P	N	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-B-20241031	2	Ethylbenzene	Blank	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-B-20241031	2	m-/p-Xylenes	Blank	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-B-20241031	2	o-Xylene	Blank	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-2-B-20241031	2	Toluene	Blank	<0.245	ug/m3	0.245	ug/m3	ND,P	N	10/31/2024	09:15	11/14/2024	09:10
IRVSEA-3-S-20241031	3	Benzene	Sample	0.767	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:25	11/14/2024	09:20
IRVSEA-3-S-20241031	3	Ethylbenzene	Sample	0.4	ug/m3	0.277	ug/m3	J	Y	10/31/2024	09:25	11/14/2024	09:20
IRVSEA-3-S-20241031	3	m-/p-Xylenes	Sample	1.3	ug/m3	0.277	ug/m3		Y	10/31/2024	09:25	11/14/2024	09:20
IRVSEA-3-S-20241031	3	o-Xylene	Sample	0.508	ug/m3	0.277	ug/m3	J	Y	10/31/2024	09:25	11/14/2024	09:20
IRVSEA-3-S-20241031	3	Toluene	Sample	2.42	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:25	11/14/2024	09:20
IRVSEA-4-S-20241031	4	Benzene	Sample	0.937	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:30	11/14/2024	09:25
IRVSEA-4-S-20241031	4	Ethylbenzene	Sample	0.638	ug/m3	0.277	ug/m3		Y	10/31/2024	09:30	11/14/2024	09:25
IRVSEA-4-S-20241031	4	m-/p-Xylenes	Sample	1.85	ug/m3	0.277	ug/m3		Y	10/31/2024	09:30	11/14/2024	09:25
IRVSEA-4-S-20241031	4	o-Xylene	Sample	0.663	ug/m3	0.277	ug/m3		Y	10/31/2024	09:30	11/14/2024	09:25
IRVSEA-4-S-20241031	4	Toluene	Sample	3.24	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:30	11/14/2024	09:25
IRVSEA-5-S-20241031	5	Benzene	Sample	1.01	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:35	11/14/2024	09:30
IRVSEA-5-S-20241031	5	Ethylbenzene	Sample	0.486	ug/m3	0.277	ug/m3	J	Y	10/31/2024	09:35	11/14/2024	09:30
IRVSEA-5-S-20241031	5	m-/p-Xylenes	Sample	1.45	ug/m3	0.277	ug/m3		Y	10/31/2024	09:35	11/14/2024	09:30
IRVSEA-5-S-20241031	5	o-Xylene	Sample	0.612	ug/m3	0.277	ug/m3		Y	10/31/2024	09:35	11/14/2024	09:30
IRVSEA-5-S-20241031	5	Toluene	Sample	3.07	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:35	11/14/2024	09:30
IRVSEA-6-S-20241031	6	Benzene	Sample	1.08	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:40	11/14/2024	09:35
IRVSEA-6-S-20241031	6	Ethylbenzene	Sample	0.699	ug/m3	0.277	ug/m3		Y	10/31/2024	09:40	11/14/2024	09:35

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SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-6-S-20241031	6	m-/p-Xylenes	Sample	2.15	ug/m3	0.277	ug/m3		Y	10/31/2024	09:40	11/14/2024	09:35
IRVSEA-6-S-20241031	6	o-Xylene	Sample	0.894	ug/m3	0.277	ug/m3		Y	10/31/2024	09:40	11/14/2024	09:35
IRVSEA-6-S-20241031	6	Toluene	Sample	3.8	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:40	11/14/2024	09:35
IRVSEA-7-S-20241031	7	Benzene	Sample	1.88	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:45	11/14/2024	09:40
IRVSEA-7-S-20241031	7	Ethylbenzene	Sample	1.48	ug/m3	0.277	ug/m3		Y	10/31/2024	09:45	11/14/2024	09:40
IRVSEA-7-S-20241031	7	m-/p-Xylenes	Sample	5.11	ug/m3	0.277	ug/m3		Y	10/31/2024	09:45	11/14/2024	09:40
IRVSEA-7-S-20241031	7	o-Xylene	Sample	2.12	ug/m3	0.277	ug/m3		Y	10/31/2024	09:45	11/14/2024	09:40
IRVSEA-7-S-20241031	7	Toluene	Sample	8.15	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:45	11/14/2024	09:40
IRVSEA-8-S-20241031	8	Benzene	Sample	2.44	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-S-20241031	8	Ethylbenzene	Sample	1.9	ug/m3	0.277	ug/m3		Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-S-20241031	8	m-/p-Xylenes	Sample	6.44	ug/m3	0.277	ug/m3		Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-S-20241031	8	o-Xylene	Sample	2.67	ug/m3	0.277	ug/m3		Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-S-20241031	8	Toluene	Sample	10.1	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-D-20241031	8	Benzene	Duplicate	2.48	ug/m3	0.19	ug/m3	P	Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-D-20241031	8	Ethylbenzene	Duplicate	1.99	ug/m3	0.277	ug/m3		Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-D-20241031	8	m-/p-Xylenes	Duplicate	6.63	ug/m3	0.277	ug/m3		Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-D-20241031	8	o-Xylene	Duplicate	2.73	ug/m3	0.277	ug/m3		Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-D-20241031	8	Toluene	Duplicate	10.5	ug/m3	0.245	ug/m3	P	Y	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-B-20241031	8	Benzene	Blank	<0.19	ug/m3	0.19	ug/m3	ND,P	N	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-B-20241031	8	Ethylbenzene	Blank	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-B-20241031	8	m-/p-Xylenes	Blank	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-B-20241031	8	o-Xylene	Blank	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-8-B-20241031	8	Toluene	Blank	<0.245	ug/m3	0.245	ug/m3	ND,P	N	10/31/2024	09:50	11/14/2024	09:45
IRVSEA-9-S-20241031	9	Benzene	Sample	1.07	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:00	11/14/2024	09:55
IRVSEA-9-S-20241031	9	Ethylbenzene	Sample	0.709	ug/m3	0.277	ug/m3		Y	10/31/2024	10:00	11/14/2024	09:55
IRVSEA-9-S-20241031	9	m-/p-Xylenes	Sample	2.23	ug/m3	0.277	ug/m3		Y	10/31/2024	10:00	11/14/2024	09:55
IRVSEA-9-S-20241031	9	o-Xylene	Sample	0.846	ug/m3	0.277	ug/m3		Y	10/31/2024	10:00	11/14/2024	09:55
IRVSEA-9-S-20241031	9	Toluene	Sample	3.81	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:00	11/14/2024	09:55
IRVSEA-10-S-20241031	10	Benzene	Sample	1.02	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:05	11/14/2024	10:00
IRVSEA-10-S-20241031	10	Ethylbenzene	Sample	0.626	ug/m3	0.277	ug/m3		Y	10/31/2024	10:05	11/14/2024	10:00
IRVSEA-10-S-20241031	10	m-/p-Xylenes	Sample	1.95	ug/m3	0.277	ug/m3		Y	10/31/2024	10:05	11/14/2024	10:00
IRVSEA-10-S-20241031	10	o-Xylene	Sample	0.798	ug/m3	0.277	ug/m3		Y	10/31/2024	10:05	11/14/2024	10:00

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-10-S-20241031	10	Toluene	Sample	3.73	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:05	11/14/2024	10:00
IRVSEA-11-S-20241031	11	Benzene	Sample	0.834	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:10	11/14/2024	10:05
IRVSEA-11-S-20241031	11	Ethylbenzene	Sample	0.484	ug/m3	0.277	ug/m3	J	Y	10/31/2024	10:10	11/14/2024	10:05
IRVSEA-11-S-20241031	11	m-/p-Xylenes	Sample	1.35	ug/m3	0.277	ug/m3		Y	10/31/2024	10:10	11/14/2024	10:05
IRVSEA-11-S-20241031	11	o-Xylene	Sample	0.552	ug/m3	0.277	ug/m3	J	Y	10/31/2024	10:10	11/14/2024	10:05
IRVSEA-11-S-20241031	11	Toluene	Sample	2.65	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:10	11/14/2024	10:05
IRVSEA-12-S-20241031	12	Benzene	Sample	0.675	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:15	11/14/2024	10:10
IRVSEA-12-S-20241031	12	Ethylbenzene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:15	11/14/2024	10:10
IRVSEA-12-S-20241031	12	m-/p-Xylenes	Sample	0.728	ug/m3	0.277	ug/m3		Y	10/31/2024	10:15	11/14/2024	10:10
IRVSEA-12-S-20241031	12	o-Xylene	Sample	0.289	ug/m3	0.277	ug/m3	J	Y	10/31/2024	10:15	11/14/2024	10:10
IRVSEA-12-S-20241031	12	Toluene	Sample	1.97	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:15	11/14/2024	10:10
IRVSEA-13-S-20241031	13	Benzene	Sample	0.737	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:20	11/14/2024	10:20
IRVSEA-13-S-20241031	13	Ethylbenzene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:20	11/14/2024	10:20
IRVSEA-13-S-20241031	13	m-/p-Xylenes	Sample	0.479	ug/m3	0.277	ug/m3	J	Y	10/31/2024	10:20	11/14/2024	10:20
IRVSEA-13-S-20241031	13	o-Xylene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:20	11/14/2024	10:20
IRVSEA-13-S-20241031	13	Toluene	Sample	2.04	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:20	11/14/2024	10:20
IRVSEA-14-S-20241031	14	Benzene	Sample	0.592	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:25	11/14/2024	10:25
IRVSEA-14-S-20241031	14	Ethylbenzene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:25	11/14/2024	10:25
IRVSEA-14-S-20241031	14	m-/p-Xylenes	Sample	0.374	ug/m3	0.277	ug/m3	J	Y	10/31/2024	10:25	11/14/2024	10:25
IRVSEA-14-S-20241031	14	o-Xylene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:25	11/14/2024	10:25
IRVSEA-14-S-20241031	14	Toluene	Sample	0.995	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:25	11/14/2024	10:25
IRVSEA-15-S-20241031	15	Benzene	Sample	0.46	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:40	11/14/2024	10:45
IRVSEA-15-S-20241031	15	Ethylbenzene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:40	11/14/2024	10:45
IRVSEA-15-S-20241031	15	m-/p-Xylenes	Sample	0.376	ug/m3	0.277	ug/m3	J	Y	10/31/2024	10:40	11/14/2024	10:45
IRVSEA-15-S-20241031	15	o-Xylene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:40	11/14/2024	10:45
IRVSEA-15-S-20241031	15	Toluene	Sample	0.846	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:40	11/14/2024	10:45
IRVSEA-16-S-20241031	16	Benzene	Sample	0.439	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:45	11/14/2024	10:50
IRVSEA-16-S-20241031	16	Ethylbenzene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:45	11/14/2024	10:50
IRVSEA-16-S-20241031	16	m-/p-Xylenes	Sample	0.344	ug/m3	0.277	ug/m3	J	Y	10/31/2024	10:45	11/14/2024	10:50
IRVSEA-16-S-20241031	16	o-Xylene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:45	11/14/2024	10:50
IRVSEA-16-S-20241031	16	Toluene	Sample	0.843	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:45	11/14/2024	10:50
IRVSEA-17-S-20241031	17	Benzene	Sample	0.499	ug/m3	0.19	ug/m3	P	Y	10/31/2024	10:50	11/14/2024	10:55

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SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-17-S-20241031	17	Ethylbenzene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:50	11/14/2024	10:55
IRVSEA-17-S-20241031	17	m-/p-Xylenes	Sample	0.389	ug/m3	0.277	ug/m3	J	Y	10/31/2024	10:50	11/14/2024	10:55
IRVSEA-17-S-20241031	17	o-Xylene	Sample	<0.277	ug/m3	0.277	ug/m3	ND	N	10/31/2024	10:50	11/14/2024	10:55
IRVSEA-17-S-20241031	17	Toluene	Sample	1.77	ug/m3	0.245	ug/m3	P	Y	10/31/2024	10:50	11/14/2024	10:55
IRVSEA-1-S-20241114	1	Benzene	Sample	0.492	ug/m3	0.192	ug/m3		Y	11/14/2024	09:00	11/28/2024	09:05
IRVSEA-1-S-20241114	1	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:00	11/28/2024	09:05
IRVSEA-1-S-20241114	1	m-/p-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND,Pc	N	11/14/2024	09:00	11/28/2024	09:05
IRVSEA-1-S-20241114	1	Toluene	Sample	0.724	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:00	11/28/2024	09:05
IRVSEA-1-S-20241114	1	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:00	11/28/2024	09:05
IRVSEA-2-S-20241114	2	Benzene	Sample	0.432	ug/m3	0.192	ug/m3		Y	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-S-20241114	2	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-S-20241114	2	m-/p-Xylene	Sample	0.309	ug/m3	0.279	ug/m3	J,Pc	Y	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-S-20241114	2	Toluene	Sample	0.771	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-S-20241114	2	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-D-20241114	2	Benzene	Duplicate	0.487	ug/m3	0.192	ug/m3		Y	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-D-20241114	2	Ethylbenzene	Duplicate	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-D-20241114	2	m-/p-Xylene	Duplicate	0.447	ug/m3	0.279	ug/m3	J,Pc	Y	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-D-20241114	2	Toluene	Duplicate	1.12	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-D-20241114	2	o-Xylene	Duplicate	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-B-20241114	2	Benzene	Blank	<0.192	ug/m3	0.192	ug/m3	ND	N	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-B-20241114	2	Ethylbenzene	Blank	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-B-20241114	2	m-/p-Xylene	Blank	<0.279	ug/m3	0.279	ug/m3	ND,Pc	N	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-B-20241114	2	Toluene	Blank	0.393	ug/m3	0.247	ug/m3	J,P	Y	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-2-B-20241114	2	o-Xylene	Blank	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:10	11/28/2024	09:15
IRVSEA-3-S-20241114	3	Benzene	Sample	0.434	ug/m3	0.192	ug/m3		Y	11/14/2024	09:20	11/28/2024	09:25
IRVSEA-3-S-20241114	3	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:20	11/28/2024	09:25
IRVSEA-3-S-20241114	3	m-/p-Xylene	Sample	0.327	ug/m3	0.279	ug/m3	J,Pc	Y	11/14/2024	09:20	11/28/2024	09:25
IRVSEA-3-S-20241114	3	Toluene	Sample	0.876	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:20	11/28/2024	09:25
IRVSEA-3-S-20241114	3	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:20	11/28/2024	09:25
IRVSEA-4-S-20241114	4	Benzene	Sample	0.79	ug/m3	0.192	ug/m3		Y	11/14/2024	09:25	11/28/2024	09:30
IRVSEA-4-S-20241114	4	Ethylbenzene	Sample	0.321	ug/m3	0.279	ug/m3	J	Y	11/14/2024	09:25	11/28/2024	09:30
IRVSEA-4-S-20241114	4	m-/p-Xylene	Sample	0.974	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	09:25	11/28/2024	09:30

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-4-S-20241114	4	Toluene	Sample	2.38	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:25	11/28/2024	09:30
IRVSEA-4-S-20241114	4	o-Xylene	Sample	0.362	ug/m3	0.279	ug/m3	J	Y	11/14/2024	09:25	11/28/2024	09:30
IRVSEA-5-S-20241114	5	Benzene	Sample	0.77	ug/m3	0.192	ug/m3		Y	11/14/2024	09:30	11/28/2024	09:40
IRVSEA-5-S-20241114	5	Ethylbenzene	Sample	0.451	ug/m3	0.279	ug/m3	J	Y	11/14/2024	09:30	11/28/2024	09:40
IRVSEA-5-S-20241114	5	Toluene	Sample	2.72	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:30	11/28/2024	09:40
IRVSEA-5-S-20241114	5	m-/p-Xylene	Sample	1.04	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	09:30	11/28/2024	09:40
IRVSEA-5-S-20241114	5	o-Xylene	Sample	0.378	ug/m3	0.279	ug/m3	J	Y	11/14/2024	09:30	11/28/2024	09:40
IRVSEA-6-S-20241114	6	Benzene	Sample	1.18	ug/m3	0.192	ug/m3		Y	11/14/2024	09:35	11/28/2024	09:45
IRVSEA-6-S-20241114	6	Ethylbenzene	Sample	0.835	ug/m3	0.279	ug/m3		Y	11/14/2024	09:35	11/28/2024	09:45
IRVSEA-6-S-20241114	6	Toluene	Sample	5.03	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:35	11/28/2024	09:45
IRVSEA-6-S-20241114	6	m-/p-Xylene	Sample	2.41	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	09:35	11/28/2024	09:45
IRVSEA-6-S-20241114	6	o-Xylene	Sample	0.968	ug/m3	0.279	ug/m3		Y	11/14/2024	09:35	11/28/2024	09:45
IRVSEA-7-S-20241114	7	Benzene	Sample	1.86	ug/m3	0.192	ug/m3		Y	11/14/2024	09:40	11/28/2024	09:50
IRVSEA-7-S-20241114	7	Ethylbenzene	Sample	1.63	ug/m3	0.279	ug/m3		Y	11/14/2024	09:40	11/28/2024	09:50
IRVSEA-7-S-20241114	7	Toluene	Sample	8.45	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:40	11/28/2024	09:50
IRVSEA-7-S-20241114	7	m-/p-Xylene	Sample	4.82	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	09:40	11/28/2024	09:50
IRVSEA-7-S-20241114	7	o-Xylene	Sample	1.89	ug/m3	0.279	ug/m3		Y	11/14/2024	09:40	11/28/2024	09:50
IRVSEA-8-S-20241114	8	Benzene	Sample	3.35	ug/m3	0.191	ug/m3		Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-S-20241114	8	Ethylbenzene	Sample	2.92	ug/m3	0.279	ug/m3		Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-S-20241114	8	Toluene	Sample	16.4	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-S-20241114	8	m-/p-Xylene	Sample	8.84	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-S-20241114	8	o-Xylene	Sample	3.45	ug/m3	0.279	ug/m3		Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-D-20241114	8	Benzene	Duplicate	3.23	ug/m3	0.191	ug/m3		Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-D-20241114	8	Ethylbenzene	Duplicate	2.92	ug/m3	0.279	ug/m3		Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-D-20241114	8	Toluene	Duplicate	15.8	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-D-20241114	8	m-/p-Xylene	Duplicate	9.83	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-D-20241114	8	o-Xylene	Duplicate	3.78	ug/m3	0.279	ug/m3		Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-B-20241114	8	Benzene	Blank	<0.191	ug/m3	0.191	ug/m3	ND	N	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-B-20241114	8	Ethylbenzene	Blank	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-B-20241114	8	Toluene	Blank	0.293	ug/m3	0.247	ug/m3	J,P	Y	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-B-20241114	8	m-/p-Xylene	Blank	<0.279	ug/m3	0.279	ug/m3	ND,Pc	N	11/14/2024	09:45	11/28/2024	10:00
IRVSEA-8-B-20241114	8	o-Xylene	Blank	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	09:45	11/28/2024	10:00

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-9-S-20241114	9	Benzene	Sample	1.39	ug/m3	0.191	ug/m3		Y	11/14/2024	09:55	11/28/2024	10:10
IRVSEA-9-S-20241114	9	Ethylbenzene	Sample	0.821	ug/m3	0.279	ug/m3		Y	11/14/2024	09:55	11/28/2024	10:10
IRVSEA-9-S-20241114	9	Toluene	Sample	5.12	ug/m3	0.247	ug/m3	P	Y	11/14/2024	09:55	11/28/2024	10:10
IRVSEA-9-S-20241114	9	m-/p-Xylene	Sample	2.29	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	09:55	11/28/2024	10:10
IRVSEA-9-S-20241114	9	o-Xylene	Sample	0.943	ug/m3	0.279	ug/m3		Y	11/14/2024	09:55	11/28/2024	10:10
IRVSEA-10-S-20241114	10	Benzene	Sample	1.59	ug/m3	0.191	ug/m3		Y	11/14/2024	10:00	11/28/2024	10:15
IRVSEA-10-S-20241114	10	Ethylbenzene	Sample	1.19	ug/m3	0.279	ug/m3		Y	11/14/2024	10:00	11/28/2024	10:15
IRVSEA-10-S-20241114	10	Toluene	Sample	6.82	ug/m3	0.247	ug/m3	P	Y	11/14/2024	10:00	11/28/2024	10:15
IRVSEA-10-S-20241114	10	m-/p-Xylene	Sample	3.58	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	10:00	11/28/2024	10:15
IRVSEA-10-S-20241114	10	o-Xylene	Sample	1.32	ug/m3	0.279	ug/m3		Y	11/14/2024	10:00	11/28/2024	10:15
IRVSEA-11-S-20241114	11	Benzene	Sample	0.755	ug/m3	0.191	ug/m3		Y	11/14/2024	10:05	11/28/2024	10:20
IRVSEA-11-S-20241114	11	Ethylbenzene	Sample	0.373	ug/m3	0.279	ug/m3	J	Y	11/14/2024	10:05	11/28/2024	10:20
IRVSEA-11-S-20241114	11	o-Xylene	Sample	0.392	ug/m3	0.279	ug/m3	J	Y	11/14/2024	10:05	11/28/2024	10:20
IRVSEA-11-S-20241114	11	Toluene	Sample	1.95	ug/m3	0.247	ug/m3	P	Y	11/14/2024	10:05	11/28/2024	10:20
IRVSEA-11-S-20241114	11	m-/p-Xylene	Sample	1.05	ug/m3	0.279	ug/m3	Pc	Y	11/14/2024	10:05	11/28/2024	10:20
IRVSEA-12-S-20241114	12	Benzene	Sample	0.499	ug/m3	0.191	ug/m3		Y	11/14/2024	10:10	11/28/2024	10:25
IRVSEA-12-S-20241114	12	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:10	11/28/2024	10:25
IRVSEA-12-S-20241114	12	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:10	11/28/2024	10:25
IRVSEA-12-S-20241114	12	Toluene	Sample	1.08	ug/m3	0.247	ug/m3	P	Y	11/14/2024	10:10	11/28/2024	10:25
IRVSEA-12-S-20241114	12	m-/p-Xylene	Sample	0.344	ug/m3	0.279	ug/m3	J,Pc	Y	11/14/2024	10:10	11/28/2024	10:25
IRVSEA-13-S-20241114	13	Benzene	Sample	0.401	ug/m3	0.191	ug/m3		Y	11/14/2024	10:20	11/28/2024	10:35
IRVSEA-13-S-20241114	13	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:20	11/28/2024	10:35
IRVSEA-13-S-20241114	13	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:20	11/28/2024	10:35
IRVSEA-13-S-20241114	13	Toluene	Sample	0.643	ug/m3	0.247	ug/m3	P	Y	11/14/2024	10:20	11/28/2024	10:35
IRVSEA-13-S-20241114	13	m-/p-Xylene	Sample	0.291	ug/m3	0.279	ug/m3	J,Pc	Y	11/14/2024	10:20	11/28/2024	10:35
IRVSEA-14-S-20241114	14	Benzene	Sample	0.445	ug/m3	0.191	ug/m3		Y	11/14/2024	10:25	11/28/2024	10:40
IRVSEA-14-S-20241114	14	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:25	11/28/2024	10:40
IRVSEA-14-S-20241114	14	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:25	11/28/2024	10:40
IRVSEA-14-S-20241114	14	Toluene	Sample	0.638	ug/m3	0.247	ug/m3	P	Y	11/14/2024	10:25	11/28/2024	10:40
IRVSEA-14-S-20241114	14	m-/p-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND,Pc	N	11/14/2024	10:25	11/28/2024	10:40
IRVSEA-15-S-20241114	15	Benzene	Sample	0.429	ug/m3	0.191	ug/m3		Y	11/14/2024	10:45	11/28/2024	11:10
IRVSEA-15-S-20241114	15	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:45	11/28/2024	11:10

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-15-S-20241114	15	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:45	11/28/2024	11:10
IRVSEA-15-S-20241114	15	Toluene	Sample	0.661	ug/m3	0.247	ug/m3	P	Y	11/14/2024	10:45	11/28/2024	11:10
IRVSEA-15-S-20241114	15	m-/p-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND,Pc	N	11/14/2024	10:45	11/28/2024	11:10
IRVSEA-16-S-20241114	16	Benzene	Sample	0.391	ug/m3	0.191	ug/m3		Y	11/14/2024	10:50	11/28/2024	11:15
IRVSEA-16-S-20241114	16	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:50	11/28/2024	11:15
IRVSEA-16-S-20241114	16	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:50	11/28/2024	11:15
IRVSEA-16-S-20241114	16	Toluene	Sample	0.926	ug/m3	0.247	ug/m3	P	Y	11/14/2024	10:50	11/28/2024	11:15
IRVSEA-16-S-20241114	16	m-/p-Xylene	Sample	0.369	ug/m3	0.279	ug/m3	J,Pc	Y	11/14/2024	10:50	11/28/2024	11:15
IRVSEA-17-S-20241114	17	Benzene	Sample	0.572	ug/m3	0.191	ug/m3		Y	11/14/2024	10:55	11/28/2024	11:20
IRVSEA-17-S-20241114	17	Ethylbenzene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:55	11/28/2024	11:20
IRVSEA-17-S-20241114	17	o-Xylene	Sample	<0.279	ug/m3	0.279	ug/m3	ND	N	11/14/2024	10:55	11/28/2024	11:20
IRVSEA-17-S-20241114	17	Toluene	Sample	1.04	ug/m3	0.247	ug/m3	P	Y	11/14/2024	10:55	11/28/2024	11:20
IRVSEA-17-S-20241114	17	m-/p-Xylene	Sample	0.399	ug/m3	0.279	ug/m3	J,Pc	Y	11/14/2024	10:55	11/28/2024	11:20
IRVSEA-1-S-20241128	1	Benzene	Sample	1.01	ug/m3	0.194	ug/m3		Y	11/28/2024	09:05	12/12/2024	08:55
IRVSEA-1-S-20241128	1	Ethylbenzene	Sample	0.677	ug/m3	0.283	ug/m3		Y	11/28/2024	09:05	12/12/2024	08:55
IRVSEA-1-S-20241128	1	Toluene	Sample	2.35	ug/m3	0.25	ug/m3		Y	11/28/2024	09:05	12/12/2024	08:55
IRVSEA-1-S-20241128	1	m-/p-Xylenes	Sample	1.31	ug/m3	0.283	ug/m3		Y	11/28/2024	09:05	12/12/2024	08:55
IRVSEA-1-S-20241128	1	o-Xylene	Sample	0.582	ug/m3	0.283	ug/m3	J	Y	11/28/2024	09:05	12/12/2024	08:55
IRVSEA-2-S-20241128	2	Benzene	Sample	1.09	ug/m3	0.194	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-S-20241128	2	Ethylbenzene	Sample	0.74	ug/m3	0.283	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-S-20241128	2	Toluene	Sample	2.56	ug/m3	0.25	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-S-20241128	2	m-/p-Xylenes	Sample	2.07	ug/m3	0.283	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-S-20241128	2	o-Xylene	Sample	0.69	ug/m3	0.283	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-D-20241128	2	Benzene	Duplicate	1.24	ug/m3	0.194	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-D-20241128	2	Ethylbenzene	Duplicate	0.882	ug/m3	0.283	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-D-20241128	2	Toluene	Duplicate	2.93	ug/m3	0.25	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-D-20241128	2	m-/p-Xylenes	Duplicate	1.69	ug/m3	0.283	ug/m3		Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-D-20241128	2	o-Xylene	Duplicate	0.584	ug/m3	0.283	ug/m3	J	Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-B-20241128	2	Benzene	Blank	<0.194	ug/m3	0.194	ug/m3	ND	N	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-B-20241128	2	Ethylbenzene	Blank	<0.283	ug/m3	0.283	ug/m3	ND	N	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-B-20241128	2	Toluene	Blank	0.3	ug/m3	0.25	ug/m3	J	Y	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-2-B-20241128	2	m-/p-Xylenes	Blank	<0.283	ug/m3	0.283	ug/m3	ND	N	11/28/2024	09:15	12/12/2024	09:05

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-2-B-20241128	2	o-Xylene	Blank	<0.283	ug/m3	0.283	ug/m3	ND	N	11/28/2024	09:15	12/12/2024	09:05
IRVSEA-3-S-20241128	3	Benzene	Sample	1.37	ug/m3	0.194	ug/m3		Y	11/28/2024	09:25	12/12/2024	09:15
IRVSEA-3-S-20241128	3	Ethylbenzene	Sample	1.33	ug/m3	0.283	ug/m3		Y	11/28/2024	09:25	12/12/2024	09:15
IRVSEA-3-S-20241128	3	Toluene	Sample	4.93	ug/m3	0.25	ug/m3		Y	11/28/2024	09:25	12/12/2024	09:15
IRVSEA-3-S-20241128	3	m-/p-Xylenes	Sample	3.89	ug/m3	0.283	ug/m3		Y	11/28/2024	09:25	12/12/2024	09:15
IRVSEA-3-S-20241128	3	o-Xylene	Sample	1.51	ug/m3	0.283	ug/m3		Y	11/28/2024	09:25	12/12/2024	09:15
IRVSEA-4-S-20241128	4	Benzene	Sample	1.23	ug/m3	0.194	ug/m3		Y	11/28/2024	09:30	12/12/2024	09:20
IRVSEA-4-S-20241128	4	Ethylbenzene	Sample	1.06	ug/m3	0.283	ug/m3		Y	11/28/2024	09:30	12/12/2024	09:20
IRVSEA-4-S-20241128	4	Toluene	Sample	3.57	ug/m3	0.25	ug/m3		Y	11/28/2024	09:30	12/12/2024	09:20
IRVSEA-4-S-20241128	4	m-/p-Xylenes	Sample	2.48	ug/m3	0.283	ug/m3		Y	11/28/2024	09:30	12/12/2024	09:20
IRVSEA-4-S-20241128	4	o-Xylene	Sample	0.958	ug/m3	0.283	ug/m3		Y	11/28/2024	09:30	12/12/2024	09:20
IRVSEA-5-S-20241128	5	Benzene	Sample	1.57	ug/m3	0.194	ug/m3		Y	11/28/2024	09:40	12/12/2024	09:30
IRVSEA-5-S-20241128	5	Ethylbenzene	Sample	1.39	ug/m3	0.283	ug/m3		Y	11/28/2024	09:40	12/12/2024	09:30
IRVSEA-5-S-20241128	5	Toluene	Sample	5.23	ug/m3	0.25	ug/m3		Y	11/28/2024	09:40	12/12/2024	09:30
IRVSEA-5-S-20241128	5	m-/p-Xylenes	Sample	3.66	ug/m3	0.283	ug/m3		Y	11/28/2024	09:40	12/12/2024	09:30
IRVSEA-5-S-20241128	5	o-Xylene	Sample	1.53	ug/m3	0.283	ug/m3		Y	11/28/2024	09:40	12/12/2024	09:30
IRVSEA-6-S-20241128	6	Benzene	Sample	1.89	ug/m3	0.194	ug/m3		Y	11/28/2024	09:45	12/12/2024	09:35
IRVSEA-6-S-20241128	6	Ethylbenzene	Sample	1.22	ug/m3	0.283	ug/m3		Y	11/28/2024	09:45	12/12/2024	09:35
IRVSEA-6-S-20241128	6	Toluene	Sample	5.33	ug/m3	0.25	ug/m3		Y	11/28/2024	09:45	12/12/2024	09:35
IRVSEA-6-S-20241128	6	m-/p-Xylenes	Sample	3.31	ug/m3	0.283	ug/m3		Y	11/28/2024	09:45	12/12/2024	09:35
IRVSEA-6-S-20241128	6	o-Xylene	Sample	1.14	ug/m3	0.283	ug/m3		Y	11/28/2024	09:45	12/12/2024	09:35
IRVSEA-7-S-20241128	7	Benzene	Sample	2.11	ug/m3	0.194	ug/m3		Y	11/28/2024	09:50	12/12/2024	09:45
IRVSEA-7-S-20241128	7	Ethylbenzene	Sample	2.49	ug/m3	0.283	ug/m3		Y	11/28/2024	09:50	12/12/2024	09:45
IRVSEA-7-S-20241128	7	Toluene	Sample	9.31	ug/m3	0.25	ug/m3		Y	11/28/2024	09:50	12/12/2024	09:45
IRVSEA-7-S-20241128	7	m-/p-Xylenes	Sample	8.31	ug/m3	0.283	ug/m3		Y	11/28/2024	09:50	12/12/2024	09:45
IRVSEA-7-S-20241128	7	o-Xylene	Sample	3.55	ug/m3	0.283	ug/m3		Y	11/28/2024	09:50	12/12/2024	09:45
IRVSEA-8-S-20241128	8	Benzene	Sample	2.41	ug/m3	0.194	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-S-20241128	8	Ethylbenzene	Sample	2.83	ug/m3	0.283	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-S-20241128	8	Toluene	Sample	12.1	ug/m3	0.25	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-S-20241128	8	m-/p-Xylenes	Sample	11.1	ug/m3	0.283	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-S-20241128	8	o-Xylene	Sample	3.83	ug/m3	0.283	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-D-20241128	8	Benzene	Duplicate	2.6	ug/m3	0.194	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55

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SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-8-D-20241128	8	Ethylbenzene	Duplicate	2.67	ug/m3	0.283	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-D-20241128	8	Toluene	Duplicate	12.2	ug/m3	0.25	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-D-20241128	8	m-/p-Xylenes	Duplicate	9.78	ug/m3	0.283	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-D-20241128	8	o-Xylene	Duplicate	3.64	ug/m3	0.283	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-B-20241128	8	Benzene	Blank	0.231	ug/m3	0.194	ug/m3	J	Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-B-20241128	8	Ethylbenzene	Blank	<0.283	ug/m3	0.283	ug/m3	ND	N	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-B-20241128	8	Toluene	Blank	0.661	ug/m3	0.25	ug/m3		Y	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-B-20241128	8	m-/p-Xylenes	Blank	<0.283	ug/m3	0.283	ug/m3	ND	N	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-8-B-20241128	8	o-Xylene	Blank	<0.283	ug/m3	0.283	ug/m3	ND	N	11/28/2024	10:00	12/12/2024	09:55
IRVSEA-9-S-20241128	9	Benzene	Sample	1.41	ug/m3	0.194	ug/m3		Y	11/28/2024	10:10	12/12/2024	10:05
IRVSEA-9-S-20241128	9	Ethylbenzene	Sample	1.07	ug/m3	0.283	ug/m3		Y	11/28/2024	10:10	12/12/2024	10:05
IRVSEA-9-S-20241128	9	Toluene	Sample	6.06	ug/m3	0.25	ug/m3		Y	11/28/2024	10:10	12/12/2024	10:05
IRVSEA-9-S-20241128	9	m-/p-Xylenes	Sample	4.1	ug/m3	0.283	ug/m3		Y	11/28/2024	10:10	12/12/2024	10:05
IRVSEA-9-S-20241128	9	o-Xylene	Sample	1.49	ug/m3	0.283	ug/m3		Y	11/28/2024	10:10	12/12/2024	10:05
IRVSEA-10-S-20241128	10	Benzene	Sample	2.06	ug/m3	0.194	ug/m3		Y	11/28/2024	10:15	12/12/2024	10:10
IRVSEA-10-S-20241128	10	Ethylbenzene	Sample	2.1	ug/m3	0.283	ug/m3		Y	11/28/2024	10:15	12/12/2024	10:10
IRVSEA-10-S-20241128	10	Toluene	Sample	11	ug/m3	0.25	ug/m3		Y	11/28/2024	10:15	12/12/2024	10:10
IRVSEA-10-S-20241128	10	m-/p-Xylenes	Sample	7.69	ug/m3	0.283	ug/m3		Y	11/28/2024	10:15	12/12/2024	10:10
IRVSEA-10-S-20241128	10	o-Xylene	Sample	2.68	ug/m3	0.283	ug/m3		Y	11/28/2024	10:15	12/12/2024	10:10
IRVSEA-11-S-20241128	11	Benzene	Sample	1.45	ug/m3	0.194	ug/m3		Y	11/28/2024	10:20	12/12/2024	10:15
IRVSEA-11-S-20241128	11	Ethylbenzene	Sample	1.19	ug/m3	0.283	ug/m3		Y	11/28/2024	10:20	12/12/2024	10:15
IRVSEA-11-S-20241128	11	Toluene	Sample	6	ug/m3	0.25	ug/m3		Y	11/28/2024	10:20	12/12/2024	10:15
IRVSEA-11-S-20241128	11	m-/p-Xylenes	Sample	3.83	ug/m3	0.283	ug/m3		Y	11/28/2024	10:20	12/12/2024	10:15
IRVSEA-11-S-20241128	11	o-Xylene	Sample	1.42	ug/m3	0.283	ug/m3		Y	11/28/2024	10:20	12/12/2024	10:15
IRVSEA-12-S-20241128	12	Benzene	Sample	1.42	ug/m3	0.194	ug/m3		Y	11/28/2024	10:25	12/12/2024	10:20
IRVSEA-12-S-20241128	12	Ethylbenzene	Sample	1.34	ug/m3	0.283	ug/m3		Y	11/28/2024	10:25	12/12/2024	10:20
IRVSEA-12-S-20241128	12	Toluene	Sample	5.42	ug/m3	0.25	ug/m3		Y	11/28/2024	10:25	12/12/2024	10:20
IRVSEA-12-S-20241128	12	m-/p-Xylenes	Sample	3.32	ug/m3	0.283	ug/m3		Y	11/28/2024	10:25	12/12/2024	10:20
IRVSEA-12-S-20241128	12	o-Xylene	Sample	1.23	ug/m3	0.283	ug/m3		Y	11/28/2024	10:25	12/12/2024	10:20
IRVSEA-13-S-20241128	13	Benzene	Sample	1.08	ug/m3	0.194	ug/m3		Y	11/28/2024	10:35	12/12/2024	10:30
IRVSEA-13-S-20241128	13	Ethylbenzene	Sample	0.799	ug/m3	0.283	ug/m3		Y	11/28/2024	10:35	12/12/2024	10:30
IRVSEA-13-S-20241128	13	Toluene	Sample	3.56	ug/m3	0.25	ug/m3		Y	11/28/2024	10:35	12/12/2024	10:30

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SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-13-S-20241128	13	m-/p-Xylenes	Sample	2.46	ug/m3	0.283	ug/m3		Y	11/28/2024	10:35	12/12/2024	10:30
IRVSEA-13-S-20241128	13	o-Xylene	Sample	0.849	ug/m3	0.283	ug/m3		Y	11/28/2024	10:35	12/12/2024	10:30
IRVSEA-14-S-20241128	14	Benzene	Sample	1.14	ug/m3	0.194	ug/m3		Y	11/28/2024	10:40	12/12/2024	10:35
IRVSEA-14-S-20241128	14	Ethylbenzene	Sample	0.541	ug/m3	0.283	ug/m3	J	Y	11/28/2024	10:40	12/12/2024	10:35
IRVSEA-14-S-20241128	14	Toluene	Sample	2.59	ug/m3	0.25	ug/m3		Y	11/28/2024	10:40	12/12/2024	10:35
IRVSEA-14-S-20241128	14	m-/p-Xylenes	Sample	1.61	ug/m3	0.283	ug/m3		Y	11/28/2024	10:40	12/12/2024	10:35
IRVSEA-14-S-20241128	14	o-Xylene	Sample	0.577	ug/m3	0.283	ug/m3	J	Y	11/28/2024	10:40	12/12/2024	10:35
IRVSEA-15-S-20241128	15	Benzene	Sample	0.906	ug/m3	0.194	ug/m3		Y	11/28/2024	11:10	12/12/2024	11:00
IRVSEA-15-S-20241128	15	Ethylbenzene	Sample	<0.283	ug/m3	0.283	ug/m3	ND	N	11/28/2024	11:10	12/12/2024	11:00
IRVSEA-15-S-20241128	15	Toluene	Sample	2.08	ug/m3	0.25	ug/m3		Y	11/28/2024	11:10	12/12/2024	11:00
IRVSEA-15-S-20241128	15	m-/p-Xylenes	Sample	0.792	ug/m3	0.283	ug/m3		Y	11/28/2024	11:10	12/12/2024	11:00
IRVSEA-15-S-20241128	15	o-Xylene	Sample	<0.283	ug/m3	0.283	ug/m3	ND	N	11/28/2024	11:10	12/12/2024	11:00
IRVSEA-16-S-20241128	16	Benzene	Sample	0.798	ug/m3	0.194	ug/m3		Y	11/28/2024	11:15	12/12/2024	11:05
IRVSEA-16-S-20241128	16	Ethylbenzene	Sample	0.437	ug/m3	0.283	ug/m3	J	Y	11/28/2024	11:15	12/12/2024	11:05
IRVSEA-16-S-20241128	16	Toluene	Sample	1.98	ug/m3	0.25	ug/m3		Y	11/28/2024	11:15	12/12/2024	11:05
IRVSEA-16-S-20241128	16	m-/p-Xylenes	Sample	1.19	ug/m3	0.283	ug/m3		Y	11/28/2024	11:15	12/12/2024	11:05
IRVSEA-16-S-20241128	16	o-Xylene	Sample	0.456	ug/m3	0.283	ug/m3	J	Y	11/28/2024	11:15	12/12/2024	11:05
IRVSEA-17-S-20241128	17	Benzene	Sample	0.86	ug/m3	0.194	ug/m3		Y	11/28/2024	11:20	12/12/2024	11:10
IRVSEA-17-S-20241128	17	Ethylbenzene	Sample	0.471	ug/m3	0.283	ug/m3	J	Y	11/28/2024	11:20	12/12/2024	11:10
IRVSEA-17-S-20241128	17	Toluene	Sample	2.23	ug/m3	0.25	ug/m3		Y	11/28/2024	11:20	12/12/2024	11:10
IRVSEA-17-S-20241128	17	m-/p-Xylenes	Sample	1.68	ug/m3	0.283	ug/m3		Y	11/28/2024	11:20	12/12/2024	11:10
IRVSEA-17-S-20241128	17	o-Xylene	Sample	0.579	ug/m3	0.283	ug/m3	J	Y	11/28/2024	11:20	12/12/2024	11:10
IRVSEA-1-S-20241212	1	Benzene	Sample	0.671	ug/m3	0.195	ug/m3		Y	12/12/2024	08:55	12/26/2024	09:00
IRVSEA-1-S-20241212	1	Ethylbenzene	Sample	<0.284	ug/m3	0.284	ug/m3	ND,Pc	N	12/12/2024	08:55	12/26/2024	09:00
IRVSEA-1-S-20241212	1	m-/p-Xylenes	Sample	0.413	ug/m3	0.284	ug/m3	J,Pc	Y	12/12/2024	08:55	12/26/2024	09:00
IRVSEA-1-S-20241212	1	o-Xylene	Sample	<0.284	ug/m3	0.284	ug/m3	ND	N	12/12/2024	08:55	12/26/2024	09:00
IRVSEA-1-S-20241212	1	Toluene	Sample	1.15	ug/m3	0.251	ug/m3	P	Y	12/12/2024	08:55	12/26/2024	09:00
IRVSEA-2-S-20241212	2	Benzene	Sample	0.832	ug/m3	0.195	ug/m3		Y	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-S-20241212	2	Ethylbenzene	Sample	0.478	ug/m3	0.284	ug/m3	J,Pc	Y	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-S-20241212	2	m-/p-Xylenes	Sample	1.02	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-S-20241212	2	o-Xylene	Sample	0.377	ug/m3	0.284	ug/m3	J	Y	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-S-20241212	2	Toluene	Sample	2.12	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-D-20241212	2	Benzene	Duplicate	0.66	ug/m3	0.195	ug/m3		Y	12/12/2024	09:05	12/26/2024	09:10

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-2-D-20241212	2	Ethylbenzene	Duplicate	<0.284	ug/m3	0.284	ug/m3	ND,Pc	N	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-D-20241212	2	m-/p-Xylenes	Duplicate	0.623	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-D-20241212	2	o-Xylene	Duplicate	<0.284	ug/m3	0.284	ug/m3	ND	N	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-D-20241212	2	Toluene	Duplicate	1.43	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-B-20241212	2	Benzene	Blank	<0.195	ug/m3	0.195	ug/m3	ND	N	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-B-20241212	2	Ethylbenzene	Blank	<0.284	ug/m3	0.284	ug/m3	ND,Pc	N	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-B-20241212	2	m-/p-Xylenes	Blank	<0.284	ug/m3	0.284	ug/m3	ND,Pc	N	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-B-20241212	2	o-Xylene	Blank	<0.284	ug/m3	0.284	ug/m3	ND	N	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-2-B-20241212	2	Toluene	Blank	<0.251	ug/m3	0.251	ug/m3	ND,P	N	12/12/2024	09:05	12/26/2024	09:10
IRVSEA-3-S-20241212	3	Benzene	Sample	0.936	ug/m3	0.195	ug/m3		Y	12/12/2024	09:15	12/26/2024	09:15
IRVSEA-3-S-20241212	3	Ethylbenzene	Sample	0.371	ug/m3	0.284	ug/m3	J,Pc	Y	12/12/2024	09:15	12/26/2024	09:15
IRVSEA-3-S-20241212	3	m-/p-Xylenes	Sample	1.06	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:15	12/26/2024	09:15
IRVSEA-3-S-20241212	3	o-Xylene	Sample	0.437	ug/m3	0.284	ug/m3	J	Y	12/12/2024	09:15	12/26/2024	09:15
IRVSEA-3-S-20241212	3	Toluene	Sample	2.24	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:15	12/26/2024	09:15
IRVSEA-4-S-20241212	4	Benzene	Sample	1.04	ug/m3	0.195	ug/m3		Y	12/12/2024	09:20	12/26/2024	09:20
IRVSEA-4-S-20241212	4	Ethylbenzene	Sample	0.644	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:20	12/26/2024	09:20
IRVSEA-4-S-20241212	4	m-/p-Xylenes	Sample	1.99	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:20	12/26/2024	09:20
IRVSEA-4-S-20241212	4	o-Xylene	Sample	0.764	ug/m3	0.284	ug/m3	J	Y	12/12/2024	09:20	12/26/2024	09:20
IRVSEA-4-S-20241212	4	Toluene	Sample	3.94	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:20	12/26/2024	09:20
IRVSEA-5-S-20241212	5	Benzene	Sample	1.06	ug/m3	0.195	ug/m3		Y	12/12/2024	09:30	12/26/2024	09:30
IRVSEA-5-S-20241212	5	Ethylbenzene	Sample	0.692	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:30	12/26/2024	09:30
IRVSEA-5-S-20241212	5	m-/p-Xylenes	Sample	2.02	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:30	12/26/2024	09:30
IRVSEA-5-S-20241212	5	o-Xylene	Sample	0.794	ug/m3	0.284	ug/m3	J	Y	12/12/2024	09:30	12/26/2024	09:30
IRVSEA-5-S-20241212	5	Toluene	Sample	3.49	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:30	12/26/2024	09:30
IRVSEA-6-S-20241212	6	Benzene	Sample	1.57	ug/m3	0.195	ug/m3		Y	12/12/2024	09:35	12/26/2024	09:40
IRVSEA-6-S-20241212	6	Ethylbenzene	Sample	1.37	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:35	12/26/2024	09:40
IRVSEA-6-S-20241212	6	m-/p-Xylenes	Sample	4.37	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:35	12/26/2024	09:40
IRVSEA-6-S-20241212	6	Toluene	Sample	7.4	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:35	12/26/2024	09:40
IRVSEA-6-S-20241212	6	o-Xylene	Sample	1.66	ug/m3	0.284	ug/m3		Y	12/12/2024	09:35	12/26/2024	09:40
IRVSEA-7-S-20241212	7	Benzene	Sample	2.14	ug/m3	0.195	ug/m3		Y	12/12/2024	09:45	12/26/2024	09:50
IRVSEA-7-S-20241212	7	Ethylbenzene	Sample	2.26	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:45	12/26/2024	09:50
IRVSEA-7-S-20241212	7	m-/p-Xylenes	Sample	7.01	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:45	12/26/2024	09:50
IRVSEA-7-S-20241212	7	Toluene	Sample	11.2	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:45	12/26/2024	09:50
IRVSEA-7-S-20241212	7	o-Xylene	Sample	2.62	ug/m3	0.284	ug/m3		Y	12/12/2024	09:45	12/26/2024	09:50
IRVSEA-8-S-20241212	8	Benzene	Sample	2.5	ug/m3	0.195	ug/m3		Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-S-20241212	8	Ethylbenzene	Sample	2.66	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:55	12/26/2024	10:00

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-8-S-20241212	8	m-/p-Xylenes	Sample	9.49	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-S-20241212	8	Toluene	Sample	13.6	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-S-20241212	8	o-Xylene	Sample	3.58	ug/m3	0.284	ug/m3		Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-D-20241212	8	Benzene	Duplicate	2.6	ug/m3	0.195	ug/m3		Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-D-20241212	8	Ethylbenzene	Duplicate	2.58	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-D-20241212	8	m-/p-Xylenes	Duplicate	8.48	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-D-20241212	8	Toluene	Duplicate	14	ug/m3	0.251	ug/m3	P	Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-D-20241212	8	o-Xylene	Duplicate	3.19	ug/m3	0.284	ug/m3		Y	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-B-20241212	8	Benzene	Blank	<0.195	ug/m3	0.195	ug/m3	ND	N	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-B-20241212	8	Ethylbenzene	Blank	<0.284	ug/m3	0.284	ug/m3	ND,Pc	N	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-B-20241212	8	m-/p-Xylenes	Blank	<0.284	ug/m3	0.284	ug/m3	ND,Pc	N	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-B-20241212	8	Toluene	Blank	<0.251	ug/m3	0.251	ug/m3	ND,P	N	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-8-B-20241212	8	o-Xylene	Blank	<0.284	ug/m3	0.284	ug/m3	ND	N	12/12/2024	09:55	12/26/2024	10:00
IRVSEA-9-S-20241212	9	Benzene	Sample	1.27	ug/m3	0.195	ug/m3		Y	12/12/2024	10:05	12/26/2024	10:10
IRVSEA-9-S-20241212	9	Ethylbenzene	Sample	0.964	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	10:05	12/26/2024	10:10
IRVSEA-9-S-20241212	9	m-/p-Xylenes	Sample	3.17	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	10:05	12/26/2024	10:10
IRVSEA-9-S-20241212	9	Toluene	Sample	5.24	ug/m3	0.251	ug/m3	P	Y	12/12/2024	10:05	12/26/2024	10:10
IRVSEA-9-S-20241212	9	o-Xylene	Sample	1.23	ug/m3	0.284	ug/m3		Y	12/12/2024	10:05	12/26/2024	10:10
IRVSEA-10-S-20241212	10	Benzene	Sample	1.76	ug/m3	0.195	ug/m3		Y	12/12/2024	10:10	12/26/2024	10:15
IRVSEA-10-S-20241212	10	Ethylbenzene	Sample	1.51	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	10:10	12/26/2024	10:15
IRVSEA-10-S-20241212	10	m-/p-Xylenes	Sample	5.09	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	10:10	12/26/2024	10:15
IRVSEA-10-S-20241212	10	Toluene	Sample	7.67	ug/m3	0.251	ug/m3	P	Y	12/12/2024	10:10	12/26/2024	10:15
IRVSEA-10-S-20241212	10	o-Xylene	Sample	1.95	ug/m3	0.284	ug/m3		Y	12/12/2024	10:10	12/26/2024	10:15
IRVSEA-11-S-20241212	11	Benzene	Sample	0.922	ug/m3	0.195	ug/m3		Y	12/12/2024	10:15	12/26/2024	10:20
IRVSEA-11-S-20241212	11	Ethylbenzene	Sample	0.629	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	10:15	12/26/2024	10:20
IRVSEA-11-S-20241212	11	m-/p-Xylenes	Sample	1.7	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	10:15	12/26/2024	10:20
IRVSEA-11-S-20241212	11	Toluene	Sample	2.91	ug/m3	0.251	ug/m3	P	Y	12/12/2024	10:15	12/26/2024	10:20
IRVSEA-11-S-20241212	11	o-Xylene	Sample	0.636	ug/m3	0.284	ug/m3	J	Y	12/12/2024	10:15	12/26/2024	10:20
IRVSEA-12-S-20241212	12	Benzene	Sample	0.805	ug/m3	0.195	ug/m3		Y	12/12/2024	10:20	12/26/2024	10:30
IRVSEA-12-S-20241212	12	Ethylbenzene	Sample	0.397	ug/m3	0.284	ug/m3	J,Pc	Y	12/12/2024	10:20	12/26/2024	10:30
IRVSEA-12-S-20241212	12	Toluene	Sample	2.33	ug/m3	0.251	ug/m3	P	Y	12/12/2024	10:20	12/26/2024	10:30
IRVSEA-12-S-20241212	12	m-/p-Xylenes	Sample	1.28	ug/m3	0.284	ug/m3	Pc	Y	12/12/2024	10:20	12/26/2024	10:30
IRVSEA-12-S-20241212	12	o-Xylene	Sample	0.488	ug/m3	0.284	ug/m3	J	Y	12/12/2024	10:20	12/26/2024	10:30
IRVSEA-13-S-20241212	13	Benzene	Sample	0.683	ug/m3	0.195	ug/m3		Y	12/12/2024	10:30	12/26/2024	10:35
IRVSEA-13-S-20241212	13	Ethylbenzene	Sample	<0.284	ug/m3	0.284	ug/m3	ND,Pc	N	12/12/2024	10:30	12/26/2024	10:35
IRVSEA-13-S-20241212	13	Toluene	Sample	1.21	ug/m3	0.251	ug/m3	P	Y	12/12/2024	10:30	12/26/2024	10:35

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

SAMPLE ID	SAMPLE LOC.	COMPOUND NAME	SAMPLE TYPE	RESULT 3	RESULT UNITS3	MDL3	MDL UNITS3	LAB FLAGS	DETECT FLAG	SAMPLE START DATE	SAMPLE START TIME	SAMPLE END DATE	SAMPLE END TIME
IRVSEA-13-S-20241212	13	m-/p-Xylenes	Sample	0.506	ug/m3	0.284	ug/m3	J,Pc	Y	12/12/2024	10:30	12/26/2024	10:35
IRVSEA-13-S-20241212	13	o-Xylene	Sample	<0.284	ug/m3	0.284	ug/m3	ND	N	12/12/2024	10:30	12/26/2024	10:35
IRVSEA-14-S-20241212	14	Benzene	Sample	0.68	ug/m3	0.195	ug/m3		Y	12/12/2024	10:35	12/26/2024	10:40
IRVSEA-14-S-20241212	14	Ethylbenzene	Sample	<0.284	ug/m3	0.284	ug/m3	ND,Pc	N	12/12/2024	10:35	12/26/2024	10:40
IRVSEA-14-S-20241212	14	Toluene	Sample	1.26	ug/m3	0.251	ug/m3	P	Y	12/12/2024	10:35	12/26/2024	10:40
IRVSEA-14-S-20241212	14	m-/p-Xylenes	Sample	0.447	ug/m3	0.284	ug/m3	J,Pc	Y	12/12/2024	10:35	12/26/2024	10:40
IRVSEA-14-S-20241212	14	o-Xylene	Sample	<0.284	ug/m3	0.284	ug/m3	ND	N	12/12/2024	10:35	12/26/2024	10:40
IRVSEA-15-S-20241212	15	Benzene	Sample	0	ug/m3	0	ug/m3	Fe, Z	Y	12/12/2024	11:00	12/26/2024	11:15
IRVSEA-15-S-20241212	15	Ethylbenzene	Sample	0	ug/m3	0	ug/m3	Pc,Fe, Z	Y	12/12/2024	11:00	12/26/2024	11:15
IRVSEA-15-S-20241212	15	Toluene	Sample	0	ug/m3	0	ug/m3	P,Fe, Z	Y	12/12/2024	11:00	12/26/2024	11:15
IRVSEA-15-S-20241212	15	m-/p-Xylenes	Sample	0	ug/m3	0	ug/m3	E,Pc,Fe, Z	Y	12/12/2024	11:00	12/26/2024	11:15
IRVSEA-15-S-20241212	15	o-Xylene	Sample	0	ug/m3	0	ug/m3	Fe, Z	Y	12/12/2024	11:00	12/26/2024	11:15
IRVSEA-16-S-20241212	16	Benzene	Sample	0.665	ug/m3	0.195	ug/m3		Y	12/12/2024	11:05	12/26/2024	11:20
IRVSEA-16-S-20241212	16	Ethylbenzene	Sample	0.321	ug/m3	0.283	ug/m3	J,Pc	Y	12/12/2024	11:05	12/26/2024	11:20
IRVSEA-16-S-20241212	16	Toluene	Sample	1.45	ug/m3	0.251	ug/m3	P	Y	12/12/2024	11:05	12/26/2024	11:20
IRVSEA-16-S-20241212	16	m-/p-Xylenes	Sample	0.617	ug/m3	0.283	ug/m3	Pc	Y	12/12/2024	11:05	12/26/2024	11:20
IRVSEA-16-S-20241212	16	o-Xylene	Sample	<0.283	ug/m3	0.283	ug/m3	ND	N	12/12/2024	11:05	12/26/2024	11:20
IRVSEA-17-S-20241212	17	Benzene	Sample	0.741	ug/m3	0.195	ug/m3		Y	12/12/2024	11:10	12/26/2024	11:25
IRVSEA-17-S-20241212	17	Ethylbenzene	Sample	0.36	ug/m3	0.283	ug/m3	J,Pc	Y	12/12/2024	11:10	12/26/2024	11:25
IRVSEA-17-S-20241212	17	Toluene	Sample	1.06	ug/m3	0.251	ug/m3	P	Y	12/12/2024	11:10	12/26/2024	11:25
IRVSEA-17-S-20241212	17	m-/p-Xylenes	Sample	0.38	ug/m3	0.283	ug/m3	J,Pc	Y	12/12/2024	11:10	12/26/2024	11:25
IRVSEA-17-S-20241212	17	o-Xylene	Sample	<0.283	ug/m3	0.283	ug/m3	ND	N	12/12/2024	11:10	12/26/2024	11:25

FLM DATA FLAG ABBREVIATIONS - EPA METHOD 325B	
FLAG	**EXPLANATION**
ND	The analyte was not present above the Method Detection Limit
J	Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
P	Field duplicate(s) exceed 30%RPD
Pc	Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit
B	Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte
Fe	Field Error. See report narrative for details
Z	Sample was not analyzed. See the narrative for details.

Note: Meteorological data flagged ND was not available from the airport. Missing data can be due to instrument maintenance, instrument malfunction, data transmission issues, or other factors resulting in missing data.

IRVING OIL TERMINALS INC. – SEARSPORT MARINE TERMINAL

METEOROLOGICAL DATA

9-19-24 THROUGH 12-26-24

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (9/19/24 12:00 to 10/3/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
9/19/24 12:00	1.0	272	25.2	1008
9/19/24 13:00	2.0	298	26.1	1007
9/19/24 14:00	2.3	1	26.8	1007
9/19/24 15:00	2.2	27	27.3	1007
9/19/24 16:00	2.9	124	26.2	1006
9/19/24 17:00	2.2	210	24.1	1007
9/19/24 18:00	2.5	186	22.8	1007
9/19/24 19:00	1.6	200	20.1	1007
9/19/24 20:00	0.3	187	17.5	1007
9/19/24 21:00	2.0	132	17.6	1007
9/19/24 22:00	3.4	81	18.5	1008
9/19/24 23:00	3.5	88	18.2	1008
9/20/24 0:00	2.6	29	18.3	1009
9/20/24 1:00	3.5	36	18.6	1009
9/20/24 2:00	5.0	41	18.8	1009
9/20/24 3:00	5.6	50	17.7	1009
9/20/24 4:00	ND	ND	ND	ND
9/20/24 5:00	ND	ND	ND	ND
9/20/24 6:00	ND	ND	ND	ND
9/20/24 7:00	ND	ND	ND	ND
9/20/24 8:00	ND	ND	ND	ND
9/20/24 9:00	ND	ND	ND	ND
9/20/24 10:00	ND	ND	ND	ND
9/20/24 11:00	ND	ND	ND	ND
9/20/24 12:00	ND	ND	ND	ND
9/20/24 13:00	ND	ND	ND	ND
9/20/24 14:00	ND	ND	ND	ND
9/20/24 15:00	ND	ND	ND	ND
9/20/24 16:00	ND	ND	ND	ND
9/20/24 17:00	ND	ND	ND	ND
9/20/24 18:00	ND	ND	ND	ND
9/20/24 19:00	ND	ND	ND	ND
9/20/24 20:00	ND	ND	ND	ND
9/20/24 21:00	ND	ND	ND	ND
9/20/24 22:00	ND	ND	ND	ND
9/20/24 23:00	ND	ND	ND	ND
9/21/24 0:00	ND	ND	ND	ND
9/21/24 1:00	ND	ND	ND	ND
9/21/24 2:00	ND	ND	ND	ND
9/21/24 3:00	ND	ND	ND	ND
9/21/24 4:00	ND	ND	ND	ND
9/21/24 5:00	ND	ND	ND	ND

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (9/19/24 12:00 to 10/3/24 10:00)

9/21/24 6:00	ND	ND	ND	ND
9/21/24 7:00	ND	ND	ND	ND
9/21/24 8:00	ND	ND	ND	ND
9/21/24 9:00	ND	ND	ND	ND
9/21/24 10:00	ND	ND	ND	ND
9/21/24 11:00	ND	ND	ND	ND
9/21/24 12:00	ND	ND	ND	ND
9/21/24 13:00	ND	ND	ND	ND
9/21/24 14:00	ND	ND	ND	ND
9/21/24 15:00	ND	ND	ND	ND
9/21/24 16:00	ND	ND	ND	ND
9/21/24 17:00	ND	ND	ND	ND
9/21/24 18:00	ND	ND	ND	ND
9/21/24 19:00	ND	ND	ND	ND
9/21/24 20:00	ND	ND	ND	ND
9/21/24 21:00	ND	ND	ND	ND
9/21/24 22:00	ND	ND	ND	ND
9/21/24 23:00	ND	ND	ND	ND
9/22/24 0:00	2.2	12	13.4	1011
9/22/24 1:00	2.5	19	13.4	1011
9/22/24 2:00	2.9	18	12.9	1011
9/22/24 3:00	2.5	17	12.8	1011
9/22/24 4:00	2.5	15	12.4	1011
9/22/24 5:00	3.2	14	12.7	1011
9/22/24 6:00	3.0	21	12.8	1012
9/22/24 7:00	2.8	38	13.6	1012
9/22/24 8:00	3.6	50	14.8	1013
9/22/24 9:00	3.6	51	16.0	1013
9/22/24 10:00	4.8	55	17.8	1013
9/22/24 11:00	6.0	74	19.5	1013
9/22/24 12:00	5.7	70	19.8	1013
9/22/24 13:00	4.9	59	19.8	1012
9/22/24 14:00	5.0	76	20.1	1013
9/22/24 15:00	4.5	85	19.6	1013
9/22/24 16:00	3.9	86	19.3	1013
9/22/24 17:00	3.2	106	18.7	1012
9/22/24 18:00	1.2	131	15.2	1012
9/22/24 19:00	0.4	163	12.3	1012
9/22/24 20:00	0.7	331	11.7	1013
9/22/24 21:00	0.7	324	10.7	1013
9/22/24 22:00	0.4	152	10.1	1013
9/22/24 23:00	0.7	252	10.4	1013
9/23/24 0:00	0.6	299	9.3	1013
9/23/24 1:00	0.4	306	8.7	1013

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (9/19/24 12:00 to 10/3/24 10:00)

9/23/24 2:00	0.9	312	8.0	1013
9/23/24 3:00	1.1	307	8.0	1013
9/23/24 4:00	0.4	198	7.4	1013
9/23/24 5:00	1.0	358	7.0	1013
9/23/24 6:00	0.5	301	6.9	1014
9/23/24 7:00	1.4	5	9.5	1014
9/23/24 8:00	2.7	64	11.2	1014
9/23/24 9:00	2.3	66	11.7	1015
9/23/24 10:00	2.1	19	13.0	1015
9/23/24 11:00	1.9	14	14.2	1014
9/23/24 12:00	1.6	325	15.9	1014
9/23/24 13:00	2.1	14	16.3	1014
9/23/24 14:00	1.9	356	17.0	1013
9/23/24 15:00	2.1	355	17.1	1013
9/23/24 16:00	2.7	338	16.7	1013
9/23/24 17:00	2.6	338	16.4	1013
9/23/24 18:00	1.2	312	14.3	1014
9/23/24 19:00	1.3	214	13.1	1014
9/23/24 20:00	1.1	201	12.8	1014
9/23/24 21:00	ND	ND	ND	ND
9/23/24 22:00	0.5	142	10.4	1014
9/23/24 23:00	0.6	187	10.5	1014
9/24/24 0:00	0.5	213	10.2	1014
9/24/24 1:00	0.3	347	9.6	1015
9/24/24 2:00	0.4	304	8.9	1015
9/24/24 3:00	0.4	285	7.4	1015
9/24/24 4:00	1.4	1	7.4	1015
9/24/24 5:00	1.3	352	8.0	1016
9/24/24 6:00	1.1	358	7.4	1016
9/24/24 7:00	1.9	9	9.7	1017
9/24/24 8:00	2.0	24	12.5	1017
9/24/24 9:00	2.6	67	14.9	1017
9/24/24 10:00	3.5	66	16.1	1017
9/24/24 11:00	3.6	61	16.8	1017
9/24/24 12:00	4.2	75	17.9	1017
9/24/24 13:00	4.5	62	18.4	1017
9/24/24 14:00	3.5	89	18.4	1017
9/24/24 15:00	3.0	74	18.6	1016
9/24/24 16:00	2.7	111	18.4	1016
9/24/24 17:00	2.0	105	17.5	1017
9/24/24 18:00	0.8	152	13.8	1017
9/24/24 19:00	1.4	179	12.0	1017
9/24/24 20:00	1.4	198	11.1	1017
9/24/24 21:00	0.6	162	9.5	1018

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (9/19/24 12:00 to 10/3/24 10:00)

9/24/24 22:00	0.6	269	9.1	1018
9/24/24 23:00	0.6	230	8.6	1018
9/25/24 0:00	0.7	338	8.3	1017
9/25/24 1:00	1.1	340	7.7	1017
9/25/24 2:00	1.4	1	8.3	1017
9/25/24 3:00	0.8	5	7.5	1017
9/25/24 4:00	1.6	3	9.1	1017
9/25/24 5:00	1.2	10	9.8	1018
9/25/24 6:00	1.3	15	9.7	1018
9/25/24 7:00	1.1	348	10.7	1019
9/25/24 8:00	0.9	15	12.2	1019
9/25/24 9:00	0.6	114	13.7	1019
9/25/24 10:00	1.4	135	14.9	1019
9/25/24 11:00	1.7	137	15.8	1019
9/25/24 12:00	2.2	120	17.1	1019
9/25/24 13:00	2.6	132	17.3	1018
9/25/24 14:00	2.9	176	17.2	1018
9/25/24 15:00	3.0	192	16.6	1018
9/25/24 16:00	3.7	191	16.2	1018
9/25/24 17:00	2.7	187	15.4	1018
9/25/24 18:00	2.0	170	14.7	1018
9/25/24 19:00	2.3	161	13.5	1018
9/25/24 20:00	1.6	160	12.2	1018
9/25/24 21:00	1.0	196	12.8	1018
9/25/24 22:00	1.6	165	12.3	1017
9/25/24 23:00	1.6	176	11.8	1017
9/26/24 0:00	0.5	166	11.1	1017
9/26/24 1:00	1.0	151	11.3	1017
9/26/24 2:00	1.3	177	11.6	1016
9/26/24 3:00	1.2	177	11.8	1016
9/26/24 4:00	0.8	192	11.8	1016
9/26/24 5:00	1.2	145	11.7	1016
9/26/24 6:00	1.8	140	11.8	1016
9/26/24 7:00	3.3	144	12.7	1016
9/26/24 8:00	3.6	148	13.4	1015
9/26/24 9:00	4.0	145	13.9	1015
9/26/24 10:00	3.7	153	14.2	1015
9/26/24 11:00	4.2	164	14.9	1014
9/26/24 12:00	4.4	165	15.2	1014
9/26/24 13:00	4.8	168	15.0	1013
9/26/24 14:00	4.9	169	15.0	1012
9/26/24 15:00	4.1	170	14.8	1011
9/26/24 16:00	3.0	177	14.6	1012
9/26/24 17:00	2.8	147	14.4	1011

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (9/19/24 12:00 to 10/3/24 10:00)

9/26/24 18:00	3.7	151	14.4	1010
9/26/24 19:00	5.2	158	14.8	1009
9/26/24 20:00	1.3	216	15.0	1010
9/26/24 21:00	1.2	206	15.0	1009
9/26/24 22:00	1.1	211	14.9	1009
9/26/24 23:00	0.6	243	14.9	1009
9/27/24 0:00	1.1	236	14.5	1008
9/27/24 1:00	0.7	181	14.4	1008
9/27/24 2:00	1.4	284	14.2	1008
9/27/24 3:00	ND	ND	ND	ND
9/27/24 4:00	ND	ND	ND	ND
9/27/24 5:00	0.8	257	13.9	1015
9/27/24 6:00	0.7	257	13.5	1015
9/27/24 7:00	1.2	252	13.4	1015
9/27/24 8:00	1.1	241	13.9	1015
9/27/24 9:00	1.1	255	15.0	1015
9/27/24 10:00	1.7	281	17.8	1015
9/27/24 11:00	1.8	286	18.6	1015
9/27/24 12:00	2.2	300	18.6	1015
9/27/24 13:00	2.5	317	19.2	1015
9/27/24 14:00	2.0	321	19.7	1015
9/27/24 15:00	1.4	335	19.3	1014
9/27/24 16:00	1.4	304	19.1	1015
9/27/24 17:00	1.2	285	18.7	1015
9/27/24 18:00	0.8	279	17.1	1016
9/27/24 19:00	0.7	272	15.7	1016
9/27/24 20:00	0.5	281	14.8	1016
9/27/24 21:00	0.8	323	14.2	1016
9/27/24 22:00	0.4	308	13.9	1017
9/27/24 23:00	0.2	345	12.8	1017
9/28/24 0:00	0.2	274	12.0	1017
9/28/24 1:00	0.3	311	11.5	1018
9/28/24 2:00	0.8	332	12.4	1018
9/28/24 3:00	0.1	173	11.4	1018
9/28/24 4:00	0.2	272	11.5	1018
9/28/24 5:00	0.1	173	12.1	1018
9/28/24 6:00	0.2	312	12.1	1018
9/28/24 7:00	0.3	334	12.4	1019
9/28/24 8:00	0.8	325	13.3	1019
9/28/24 9:00	0.9	320	14.3	1019
9/28/24 10:00	0.4	297	14.8	1020
9/28/24 11:00	0.8	294	15.4	1020
9/28/24 12:00	0.8	145	15.9	1019
9/28/24 13:00	1.6	328	17.1	1019

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (9/19/24 12:00 to 10/3/24 10:00)

9/28/24 14:00	1.3	215	18.6	1018
9/28/24 15:00	1.1	19	18.5	1018
9/28/24 16:00	1.0	48	18.1	1018
9/28/24 17:00	0.5	42	17.4	1018
9/28/24 18:00	0.3	82	14.9	1018
9/28/24 19:00	0.0	216	13.7	1018
9/28/24 20:00	0.1	201	13.0	1019
9/28/24 21:00	0.1	29	12.3	1019
9/28/24 22:00	0.0	33	11.5	1018
9/28/24 23:00	0.0	108	10.5	1018
9/29/24 0:00	0.0	18	9.9	1018
9/29/24 1:00	0.0	36	9.3	1019
9/29/24 2:00	0.0	180	8.6	1019
9/29/24 3:00	0.0	180	8.3	1019
9/29/24 4:00	0.0	144	8.9	1019
9/29/24 5:00	ND	ND	9.7	1019
9/29/24 6:00	0.1	52	10.1	1018
9/29/24 7:00	0.1	44	10.8	1018
9/29/24 8:00	0.0	24	12.4	1019
9/29/24 9:00	0.0	247	15.1	1019
9/29/24 10:00	0.8	248	17.6	1018
9/29/24 11:00	0.9	236	19.3	1018
9/29/24 12:00	1.5	189	20.4	1017
9/29/24 13:00	1.7	179	20.9	1016
9/29/24 14:00	1.5	197	21.2	1016
9/29/24 15:00	1.9	187	20.8	1015
9/29/24 16:00	2.6	180	19.9	1015
9/29/24 17:00	2.9	178	18.0	1016
9/29/24 18:00	2.1	171	16.9	1016
9/29/24 19:00	1.7	159	15.6	1016
9/29/24 20:00	1.3	183	14.9	1017
9/29/24 21:00	1.0	174	14.9	1017
9/29/24 22:00	0.7	241	14.6	1017
9/29/24 23:00	0.3	252	13.9	1017
9/30/24 0:00	0.1	115	12.9	1016
9/30/24 1:00	0.0	72	12.0	1016
9/30/24 2:00	0.0	144	11.8	1016
9/30/24 3:00	0.0	36	11.2	1017
9/30/24 4:00	0.0	0	10.6	1017
9/30/24 5:00	0.0	72	9.9	1017
9/30/24 6:00	0.0	36	9.6	1018
9/30/24 7:00	0.1	203	10.0	1019
9/30/24 8:00	0.2	250	11.6	1019
9/30/24 9:00	1.0	191	15.1	1019

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (9/19/24 12:00 to 10/3/24 10:00)

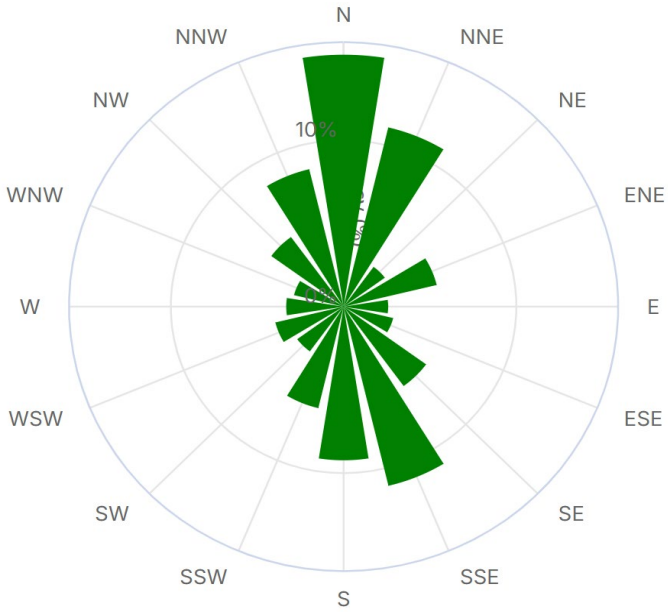
9/30/24 10:00	1.1	38	18.4	1020
9/30/24 11:00	1.0	53	20.5	1019
9/30/24 12:00	1.1	122	21.9	1019
9/30/24 13:00	1.7	219	23.0	1019
9/30/24 14:00	1.8	276	23.5	1018
9/30/24 15:00	1.6	216	23.4	1018
9/30/24 16:00	1.4	147	22.7	1018
9/30/24 17:00	0.7	88	20.7	1019
9/30/24 18:00	0.5	6	18.0	1019
9/30/24 19:00	0.5	30	16.5	1019
9/30/24 20:00	0.5	21	15.6	1020
9/30/24 21:00	0.1	258	14.1	1020
9/30/24 22:00	0.7	122	13.2	1021
9/30/24 23:00	0.4	337	12.8	1021
10/1/24 0:00	0.4	174	12.3	1021
10/1/24 1:00	0.1	4	11.5	1022
10/1/24 2:00	0.0	216	11.1	1022
10/1/24 3:00	0.0	360	10.6	1022
10/1/24 4:00	0.3	180	10.3	1022
10/1/24 5:00	0.3	6	9.8	1023
10/1/24 6:00	0.4	79	9.4	1023
10/1/24 7:00	0.4	46	10.2	1023
10/1/24 8:00	0.4	178	11.8	1024
10/1/24 9:00	0.5	8	13.4	1024
10/1/24 10:00	0.5	118	14.9	1023
10/1/24 11:00	0.7	143	16.6	1023
10/1/24 12:00	0.7	230	17.8	1022
10/1/24 13:00	0.7	101	18.5	1021
10/1/24 14:00	0.3	70	18.8	1021
10/1/24 15:00	0.7	72	18.6	1020
10/1/24 16:00	0.4	18	17.3	1020
10/1/24 17:00	0.4	23	16.2	1020
10/1/24 18:00	0.3	110	14.9	1020
10/1/24 19:00	1.0	120	13.5	1020
10/1/24 20:00	0.9	162	12.4	1021
10/1/24 21:00	0.4	125	11.3	1021
10/1/24 22:00	0.3	137	9.8	1020
10/1/24 23:00	0.0	145	9.4	1020
10/2/24 0:00	0.0	324	8.6	1020
10/2/24 1:00	0.1	290	8.0	1020
10/2/24 2:00	0.2	359	7.5	1019
10/2/24 3:00	0.3	4	7.5	1019
10/2/24 4:00	0.2	74	7.1	1019
10/2/24 5:00	0.0	170	7.2	1019

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (9/19/24 12:00 to 10/3/24 10:00)

10/2/24 6:00	0.3	149	6.5	1019
10/2/24 7:00	0.1	283	7.7	1019
10/2/24 8:00	0.1	124	9.2	1019
10/2/24 9:00	0.3	70	11.8	1019
10/2/24 10:00	0.3	115	13.7	1019
10/2/24 11:00	0.4	132	14.6	1019
10/2/24 12:00	0.4	121	15.2	1019
10/2/24 13:00	1.3	155	16.3	1018
10/2/24 14:00	1.7	161	16.8	1018
10/2/24 15:00	1.8	168	17.3	1017
10/2/24 16:00	2.1	166	16.9	1017
10/2/24 17:00	2.3	153	15.9	1017
10/2/24 18:00	1.7	141	14.1	1017
10/2/24 19:00	1.5	162	12.7	1018
10/2/24 20:00	0.8	163	11.5	1018
10/2/24 21:00	0.8	151	10.8	1018
10/2/24 22:00	0.8	198	10.6	1018
10/2/24 23:00	1.5	157	11.1	1018
10/3/24 0:00	1.4	150	11.3	1018
10/3/24 1:00	1.1	189	11.2	1019
10/3/24 2:00	1.1	200	11.5	1019
10/3/24 3:00	0.8	226	11.2	1018
10/3/24 4:00	0.9	192	11.2	1018
10/3/24 5:00	0.6	260	11.6	1019
10/3/24 6:00	0.5	236	11.7	1019
10/3/24 7:00	0.8	222	11.7	1020
10/3/24 8:00	1.1	181	12.3	1020
10/3/24 9:00	1.7	154	13.9	1020
10/3/24 10:00	2.0	178	15.6	1020

BGR Wind Rose 9/19/24 12:00 - 10/3/24 10:00



IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/3/24 10:00 to 10/17/24 11:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
10/3/24 10:00	2.0	178	15.6	1020
10/3/24 11:00	2.6	172	17.2	1019
10/3/24 12:00	3.0	179	18.3	1019
10/3/24 13:00	2.7	181	18.9	1019
10/3/24 14:00	2.5	182	18.5	1019
10/3/24 15:00	3.2	171	18.7	1018
10/3/24 16:00	3.7	167	17.5	1018
10/3/24 17:00	3.5	169	16.7	1019
10/3/24 18:00	3.1	173	15.3	1019
10/3/24 19:00	2.8	176	14.3	1020
10/3/24 20:00	1.7	183	13.7	1020
10/3/24 21:00	0.9	191	13.1	1021
10/3/24 22:00	0.4	202	12.4	1021
10/3/24 23:00	1.2	188	12.3	1021
10/4/24 0:00	0.7	153	11.9	1022
10/4/24 1:00	0.3	282	11.1	1022
10/4/24 2:00	0.0	180	10.5	1022
10/4/24 3:00	0.0	36	9.9	1022
10/4/24 4:00	0.0	0	9.3	1023
10/4/24 5:00	0.0	176	9.6	1023
10/4/24 6:00	0.1	281	9.8	1024
10/4/24 7:00	0.0	266	10.3	1024
10/4/24 8:00	0.0	108	10.6	1024
10/4/24 9:00	0.0	25	11.4	1025
10/4/24 10:00	0.1	100	12.2	1025
10/4/24 11:00	0.1	149	14.0	1024
10/4/24 12:00	0.6	142	17.6	1023
10/4/24 13:00	2.0	177	19.2	1023
10/4/24 14:00	2.9	167	19.5	1023
10/4/24 15:00	3.2	176	18.7	1022
10/4/24 16:00	3.3	170	17.3	1022
10/4/24 17:00	2.8	170	16.6	1022
10/4/24 18:00	3.1	168	16.1	1022
10/4/24 19:00	2.5	170	15.9	1022
10/4/24 20:00	2.6	167	15.6	1022
10/4/24 21:00	1.8	178	15.6	1022
10/4/24 22:00	2.0	173	15.6	1022
10/4/24 23:00	2.4	154	15.5	1022
10/5/24 0:00	1.7	135	15.0	1021
10/5/24 1:00	2.1	166	14.9	1021
10/5/24 2:00	1.6	156	14.9	1021
10/5/24 3:00	1.6	162	14.8	1020

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/3/24 10:00 to 10/17/24 11:00)

10/5/24 4:00	0.9	139	14.3	1019
10/5/24 5:00	1.4	170	14.6	1019
10/5/24 6:00	1.0	149	14.9	1019
10/5/24 7:00	0.5	203	14.5	1020
10/5/24 8:00	0.6	231	14.5	1020
10/5/24 9:00	0.6	248	14.9	1020
10/5/24 10:00	0.6	216	14.5	1020
10/5/24 11:00	0.6	317	14.2	1020
10/5/24 12:00	0.7	273	15.3	1020
10/5/24 13:00	1.6	304	16.2	1019
10/5/24 14:00	1.1	337	17.3	1019
10/5/24 15:00	1.2	318	16.2	1019
10/5/24 16:00	1.3	237	15.0	1019
10/5/24 17:00	0.9	318	14.2	1020
10/5/24 18:00	1.6	335	13.6	1021
10/5/24 19:00	2.6	330	12.3	1021
10/5/24 20:00	1.0	270	11.0	1022
10/5/24 21:00	1.0	335	10.4	1022
10/5/24 22:00	1.3	336	10.7	1022
10/5/24 23:00	1.2	302	11.1	1021
10/6/24 0:00	1.7	341	11.1	1021
10/6/24 1:00	1.5	349	11.0	1021
10/6/24 2:00	1.0	249	10.6	1021
10/6/24 3:00	0.9	330	10.6	1021
10/6/24 4:00	1.1	317	10.3	1021
10/6/24 5:00	1.2	339	10.6	1021
10/6/24 6:00	0.8	344	10.6	1021
10/6/24 7:00	1.1	338	10.6	1021
10/6/24 8:00	1.1	350	10.8	1021
10/6/24 9:00	1.0	244	11.5	1022
10/6/24 10:00	1.3	280	11.9	1021
10/6/24 11:00	0.7	184	12.6	1021
10/6/24 12:00	0.5	43	14.1	1020
10/6/24 13:00	0.6	194	15.8	1019
10/6/24 14:00	0.3	133	15.6	1018
10/6/24 15:00	0.5	236	15.6	1018
10/6/24 16:00	0.5	175	15.3	1018
10/6/24 17:00	0.5	60	14.8	1017
10/6/24 18:00	0.5	25	14.2	1018
10/6/24 19:00	0.5	30	13.7	1017
10/6/24 20:00	0.5	22	13.1	1017
10/6/24 21:00	0.4	47	11.3	1017
10/6/24 22:00	0.1	157	10.3	1016
10/6/24 23:00	0.0	147	10.7	1016

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/3/24 10:00 to 10/17/24 11:00)

10/7/24 0:00	0.1	58	11.3	1016
10/7/24 1:00	0.0	120	11.5	1017
10/7/24 2:00	0.1	256	11.7	1016
10/7/24 3:00	0.2	48	11.5	1015
10/7/24 4:00	0.3	18	11.2	1014
10/7/24 5:00	0.4	23	11.1	1013
10/7/24 6:00	0.3	78	11.2	1013
10/7/24 7:00	0.7	101	11.7	1013
10/7/24 8:00	1.1	162	12.2	1013
10/7/24 9:00	1.0	139	12.4	1013
10/7/24 10:00	1.1	197	12.7	1013
10/7/24 11:00	0.7	125	12.4	1013
10/7/24 12:00	1.5	162	12.6	1012
10/7/24 13:00	1.5	161	12.6	1012
10/7/24 14:00	0.7	166	12.8	1011
10/7/24 15:00	0.3	147	12.9	1011
10/7/24 16:00	0.4	107	12.8	1011
10/7/24 17:00	0.4	23	12.6	1010
10/7/24 18:00	1.1	166	12.4	1011
10/7/24 19:00	0.4	223	12.3	1011
10/7/24 20:00	0.3	83	12.3	1010
10/7/24 21:00	1.0	152	12.2	1010
10/7/24 22:00	1.6	168	11.9	1010
10/7/24 23:00	0.8	153	11.7	1010
10/8/24 0:00	0.3	89	11.7	1009
10/8/24 1:00	0.1	164	11.7	1009
10/8/24 2:00	0.9	237	11.9	1009
10/8/24 3:00	0.6	293	11.7	1008
10/8/24 4:00	0.9	290	11.6	1008
10/8/24 5:00	1.5	313	11.3	1008
10/8/24 6:00	1.6	317	11.4	1008
10/8/24 7:00	1.7	306	10.8	1009
10/8/24 8:00	2.1	305	10.6	1009
10/8/24 9:00	1.7	305	11.4	1009
10/8/24 10:00	2.7	310	12.4	1009
10/8/24 11:00	2.7	313	13.2	1009
10/8/24 12:00	2.3	296	14.3	1009
10/8/24 13:00	2.9	307	14.2	1009
10/8/24 14:00	2.7	301	14.9	1009
10/8/24 15:00	2.9	301	15.1	1009
10/8/24 16:00	2.4	331	14.6	1009
10/8/24 17:00	1.5	319	12.9	1009
10/8/24 18:00	1.5	313	11.3	1010
10/8/24 19:00	1.3	314	10.9	1010

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/3/24 10:00 to 10/17/24 11:00)

10/8/24 20:00	0.4	291	9.1	1011
10/8/24 21:00	0.0	177	7.4	1011
10/8/24 22:00	ND	ND	6.9	1012
10/8/24 23:00	ND	ND	5.9	1012
10/9/24 0:00	0.0	105	5.2	1012
10/9/24 1:00	0.0	108	4.9	1012
10/9/24 2:00	0.0	36	4.2	1011
10/9/24 3:00	ND	ND	3.5	1011
10/9/24 4:00	0.0	252	3.3	1011
10/9/24 5:00	0.0	359	4.3	1011
10/9/24 6:00	0.1	217	4.8	1011
10/9/24 7:00	0.3	110	5.1	1011
10/9/24 8:00	0.0	1	5.9	1010
10/9/24 9:00	0.1	172	7.9	1010
10/9/24 10:00	0.4	162	11.3	1010
10/9/24 11:00	1.7	181	13.9	1009
10/9/24 12:00	2.0	216	14.7	1009
10/9/24 13:00	2.5	252	15.5	1008
10/9/24 14:00	2.4	259	15.2	1008
10/9/24 15:00	2.6	297	14.8	1008
10/9/24 16:00	2.4	314	13.4	1008
10/9/24 17:00	1.5	290	12.5	1009
10/9/24 18:00	1.4	292	11.0	1009
10/9/24 19:00	1.2	291	9.6	1010
10/9/24 20:00	0.5	274	9.0	1010
10/9/24 21:00	0.6	274	8.2	1010
10/9/24 22:00	0.1	290	7.5	1010
10/9/24 23:00	0.5	256	7.1	1010
10/10/24 0:00	0.8	267	6.7	1010
10/10/24 1:00	1.0	275	6.6	1010
10/10/24 2:00	0.6	269	6.0	1009
10/10/24 3:00	0.5	273	5.2	1009
10/10/24 4:00	0.3	321	4.5	1009
10/10/24 5:00	0.2	296	4.0	1010
10/10/24 6:00	0.4	270	4.9	1010
10/10/24 7:00	0.3	265	5.8	1011
10/10/24 8:00	1.3	252	7.0	1011
10/10/24 9:00	1.8	274	8.8	1011
10/10/24 10:00	2.2	295	10.7	1011
10/10/24 11:00	1.8	283	11.0	1011
10/10/24 12:00	2.7	308	12.3	1010
10/10/24 13:00	4.0	316	13.0	1010
10/10/24 14:00	3.2	284	13.0	1009
10/10/24 15:00	2.6	279	12.1	1009

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/3/24 10:00 to 10/17/24 11:00)

10/10/24 16:00	3.3	294	12.0	1010
10/10/24 17:00	3.4	302	10.6	1010
10/10/24 18:00	2.5	290	9.8	1011
10/10/24 19:00	1.5	264	9.1	1011
10/10/24 20:00	1.3	257	8.0	1011
10/10/24 21:00	1.0	258	7.3	1011
10/10/24 22:00	1.7	269	7.8	1011
10/10/24 23:00	1.3	257	7.8	1010
10/11/24 0:00	1.4	276	8.0	1010
10/11/24 1:00	1.9	274	8.7	1011
10/11/24 2:00	1.4	262	7.8	1010
10/11/24 3:00	1.5	264	7.1	1010
10/11/24 4:00	1.3	272	6.9	1010
10/11/24 5:00	1.2	272	6.8	1011
10/11/24 6:00	1.2	248	6.8	1011
10/11/24 7:00	1.1	233	7.1	1011
10/11/24 8:00	1.7	267	9.2	1011
10/11/24 9:00	3.9	296	10.3	1011
10/11/24 10:00	3.6	297	11.1	1011
10/11/24 11:00	3.2	293	11.5	1010
10/11/24 12:00	3.5	293	12.1	1009
10/11/24 13:00	3.3	284	13.5	1009
10/11/24 14:00	3.5	260	14.5	1008
10/11/24 15:00	3.3	279	15.6	1007
10/11/24 16:00	2.8	262	15.5	1007
10/11/24 17:00	2.1	243	14.1	1007
10/11/24 18:00	1.2	243	12.3	1007
10/11/24 19:00	1.3	247	11.5	1006
10/11/24 20:00	1.1	259	10.6	1006
10/11/24 21:00	1.4	250	11.0	1005
10/11/24 22:00	0.6	227	10.1	1004
10/11/24 23:00	0.4	248	9.8	1003
10/12/24 0:00	1.5	174	10.1	1002
10/12/24 1:00	2.5	185	10.9	1000
10/12/24 2:00	2.0	194	11.2	999
10/12/24 3:00	1.6	189	11.3	998
10/12/24 4:00	1.8	193	12.3	998
10/12/24 5:00	2.5	186	12.2	997
10/12/24 6:00	1.6	186	11.4	996
10/12/24 7:00	2.1	224	12.1	997
10/12/24 8:00	4.2	257	12.5	998
10/12/24 9:00	6.2	296	12.4	1000
10/12/24 10:00	6.7	299	13.3	1001
10/12/24 11:00	6.7	303	13.0	1002

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/3/24 10:00 to 10/17/24 11:00)

10/12/24 12:00	6.2	305	13.9	1003
10/12/24 13:00	6.2	311	14.1	1004
10/12/24 14:00	5.5	309	14.0	1005
10/12/24 15:00	4.1	309	13.6	1006
10/12/24 16:00	4.4	302	12.8	1007
10/12/24 17:00	4.0	303	11.2	1008
10/12/24 18:00	3.1	296	9.8	1009
10/12/24 19:00	1.7	274	9.0	1011
10/12/24 20:00	1.9	293	8.4	1011
10/12/24 21:00	1.3	270	7.2	1012
10/12/24 22:00	1.4	256	7.1	1012
10/12/24 23:00	1.3	265	6.8	1012
10/13/24 0:00	0.5	272	5.5	1012
10/13/24 1:00	1.2	246	4.6	1013
10/13/24 2:00	1.5	263	5.3	1013
10/13/24 3:00	1.1	279	5.6	1012
10/13/24 4:00	1.7	285	5.8	1012
10/13/24 5:00	1.1	289	5.4	1013
10/13/24 6:00	0.1	246	4.0	1013
10/13/24 7:00	0.4	319	4.5	1014
10/13/24 8:00	1.3	246	6.1	1015
10/13/24 9:00	1.8	269	8.0	1015
10/13/24 10:00	2.2	269	9.7	1014
10/13/24 11:00	2.0	262	11.2	1014
10/13/24 12:00	2.4	249	12.4	1014
10/13/24 13:00	2.2	244	13.1	1013
10/13/24 14:00	1.2	253	13.1	1012
10/13/24 15:00	1.0	325	13.0	1012
10/13/24 16:00	0.7	333	12.1	1012
10/13/24 17:00	0.5	323	11.0	1012
10/13/24 18:00	0.0	137	10.4	1013
10/13/24 19:00	0.8	308	9.6	1013
10/13/24 20:00	0.6	150	9.0	1013
10/13/24 21:00	0.5	104	7.2	1013
10/13/24 22:00	0.6	62	6.8	1013
10/13/24 23:00	0.5	85	6.5	1013
10/14/24 0:00	0.6	148	6.3	1012
10/14/24 1:00	0.8	43	6.3	1012
10/14/24 2:00	0.6	76	5.8	1011
10/14/24 3:00	0.5	49	5.6	1010
10/14/24 4:00	0.8	58	5.6	1009
10/14/24 5:00	0.6	68	6.2	1009
10/14/24 6:00	1.0	52	6.3	1007
10/14/24 7:00	1.5	54	6.6	1006

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/3/24 10:00 to 10/17/24 11:00)

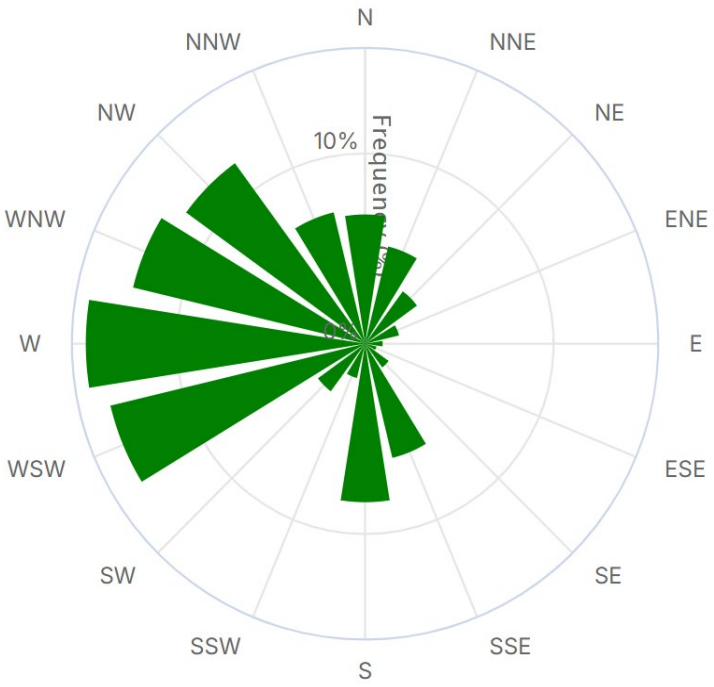
10/14/24 8:00	1.1	123	6.8	1007
10/14/24 9:00	2.6	91	7.3	1006
10/14/24 10:00	2.6	59	7.5	1005
10/14/24 11:00	2.5	63	7.8	1004
10/14/24 12:00	3.2	62	7.9	1002
10/14/24 13:00	2.0	87	8.5	1002
10/14/24 14:00	2.0	55	8.5	1001
10/14/24 15:00	2.1	40	8.6	1000
10/14/24 16:00	1.9	198	8.8	999
10/14/24 17:00	1.2	290	8.7	999
10/14/24 18:00	1.9	302	8.2	999
10/14/24 19:00	1.6	301	7.7	999
10/14/24 20:00	1.3	274	7.4	1000
10/14/24 21:00	1.9	244	7.4	1000
10/14/24 22:00	2.0	263	7.0	1001
10/14/24 23:00	1.9	268	5.2	1001
10/15/24 0:00	1.8	249	4.2	1001
10/15/24 1:00	1.9	247	3.6	1001
10/15/24 2:00	2.0	241	3.3	1001
10/15/24 3:00	1.3	241	2.8	1001
10/15/24 4:00	1.0	239	2.8	1002
10/15/24 5:00	1.3	200	2.8	1002
10/15/24 6:00	1.1	232	3.0	1002
10/15/24 7:00	1.1	242	3.6	1003
10/15/24 8:00	1.8	223	5.7	1004
10/15/24 9:00	3.1	246	7.6	1004
10/15/24 10:00	3.2	263	8.9	1004
10/15/24 11:00	3.2	258	9.5	1004
10/15/24 12:00	3.3	262	10.8	1003
10/15/24 13:00	3.6	270	11.6	1003
10/15/24 14:00	3.5	270	11.7	1002
10/15/24 15:00	2.9	285	11.9	1002
10/15/24 16:00	2.4	270	10.8	1002
10/15/24 17:00	2.7	243	9.8	1002
10/15/24 18:00	1.9	242	8.7	1003
10/15/24 19:00	1.6	248	7.5	1003
10/15/24 20:00	1.6	243	6.4	1003
10/15/24 21:00	1.5	249	5.7	1003
10/15/24 22:00	1.9	243	6.3	1003
10/15/24 23:00	2.9	243	6.1	1003
10/16/24 0:00	2.5	239	5.2	1002
10/16/24 1:00	2.0	242	4.6	1002
10/16/24 2:00	1.7	247	3.8	1003
10/16/24 3:00	1.6	244	3.4	1003

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/3/24 10:00 to 10/17/24 11:00)

10/16/24 4:00	1.4	247	2.7	1004
10/16/24 5:00	1.5	246	2.4	1004
10/16/24 6:00	2.0	242	3.2	1004
10/16/24 7:00	2.2	247	3.6	1005
10/16/24 8:00	2.3	252	4.7	1006
10/16/24 9:00	3.0	274	5.9	1007
10/16/24 10:00	3.9	298	7.7	1008
10/16/24 11:00	4.8	313	8.8	1008
10/16/24 12:00	5.0	309	8.5	1009
10/16/24 13:00	5.0	308	8.3	1010
10/16/24 14:00	5.2	306	9.1	1010
10/16/24 15:00	4.9	310	9.4	1011
10/16/24 16:00	4.2	307	8.9	1013
10/16/24 17:00	3.1	308	7.9	1014
10/16/24 18:00	1.6	292	6.7	1016
10/16/24 19:00	1.5	277	5.4	1017
10/16/24 20:00	1.6	268	4.9	1018
10/16/24 21:00	1.0	288	4.0	1018
10/16/24 22:00	1.1	277	3.3	1019
10/16/24 23:00	0.9	279	2.8	1019
10/17/24 0:00	0.8	216	1.9	1020
10/17/24 1:00	0.7	174	1.5	1021
10/17/24 2:00	0.6	315	0.9	1021
10/17/24 3:00	0.5	219	0.3	1022
10/17/24 4:00	0.3	187	0.0	1023
10/17/24 5:00	0.1	182	0.0	1023
10/17/24 6:00	0.2	196	-0.5	1023
10/17/24 7:00	0.7	242	-0.3	1024
10/17/24 8:00	1.0	235	2.4	1024
10/17/24 9:00	1.3	295	5.9	1024
10/17/24 10:00	2.7	312	9.1	1024
10/17/24 11:00	2.3	315	10.3	1024

BGR Wind Rose 10/3/24 10:00 - 10/17/24 11:00



IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/17/24 11:00 to 10/31/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
10/17/24 11:00	2.9	292	10.5	1016
10/17/24 12:00	2.2	306	12.1	1016
10/17/24 13:00	1.9	141	13.0	1016
10/17/24 14:00	4.4	176	13.2	1016
10/17/24 15:00	2.5	250	13.9	1016
10/17/24 16:00	4.1	309	13.5	1015
10/17/24 17:00	3.0	311	11.2	1015
10/17/24 18:00	1.6	209	9.3	1015
10/17/24 19:00	1.0	154	6.2	1015
10/17/24 20:00	0.9	82	5.0	1016
10/17/24 21:00	0.2	31	3.1	1017
10/17/24 22:00	0.2	24	2.3	1017
10/17/24 23:00	0.2	32	1.4	1018
10/18/24 0:00	0.2	22	1.4	1018
10/18/24 1:00	ND	ND	0.9	1019
10/18/24 2:00	ND	ND	0.1	1019
10/18/24 3:00	ND	ND	0.2	1020
10/18/24 4:00	0.3	36	-0.4	1020
10/18/24 5:00	ND	ND	-0.7	1021
10/18/24 6:00	ND	ND	-1.0	1022
10/18/24 7:00	ND	ND	0.0	1022
10/18/24 8:00	1.3	145	4.4	1023
10/18/24 9:00	4.7	118	8.6	1023
10/18/24 10:00	6.3	255	11.3	1023
10/18/24 11:00	6.6	149	13.0	1023
10/18/24 12:00	5.7	222	14.6	1023
10/18/24 13:00	4.7	81	15.8	1023
10/18/24 14:00	3.9	286	16.2	1023
10/18/24 15:00	3.9	122	16.0	1023
10/18/24 16:00	2.7	85	15.8	1023
10/18/24 17:00	0.4	4	11.0	1023
10/18/24 18:00	ND	ND	7.7	1024
10/18/24 19:00	ND	ND	6.0	1024
10/18/24 20:00	ND	ND	4.6	1024
10/18/24 21:00	0.3	43	4.0	1024
10/18/24 22:00	ND	ND	3.4	1024
10/18/24 23:00	0.2	19	2.6	1025
10/19/24 0:00	0.5	57	3.0	1024
10/19/24 1:00	0.5	75	2.4	1024
10/19/24 2:00	ND	ND	2.6	1024
10/19/24 3:00	ND	ND	1.3	1024
10/19/24 4:00	ND	ND	1.3	1024

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/17/24 11:00 to 10/31/24 10:00)

10/19/24 5:00	ND	ND	1.2	1024
10/19/24 6:00	ND	ND	0.9	1024
10/19/24 7:00	0.9	108	1.9	1024
10/19/24 8:00	2.0	224	5.3	1024
10/19/24 9:00	2.0	221	9.1	1024
10/19/24 10:00	2.5	236	13.8	1024
10/19/24 11:00	2.6	245	17.1	1023
10/19/24 12:00	3.2	248	18.9	1022
10/19/24 13:00	3.1	224	19.8	1022
10/19/24 14:00	3.3	206	21.0	1021
10/19/24 15:00	3.5	248	20.9	1021
10/19/24 16:00	2.3	255	19.7	1020
10/19/24 17:00	2.5	200	17.2	1019
10/19/24 18:00	2.1	188	14.0	1019
10/19/24 19:00	2.3	187	12.0	1019
10/19/24 20:00	2.4	188	11.3	1019
10/19/24 21:00	1.5	145	10.7	1019
10/19/24 22:00	0.7	81	6.5	1019
10/19/24 23:00	0.2	20	6.0	1018
10/20/24 0:00	ND	ND	4.1	1018
10/20/24 1:00	0.3	68	3.3	1018
10/20/24 2:00	ND	ND	2.5	1018
10/20/24 3:00	0.5	67	1.9	1017
10/20/24 4:00	0.6	86	1.9	1017
10/20/24 5:00	ND	ND	1.1	1017
10/20/24 6:00	ND	ND	0.9	1017
10/20/24 7:00	ND	ND	1.8	1017
10/20/24 8:00	0.5	61	5.9	1017
10/20/24 9:00	1.1	148	9.9	1017
10/20/24 10:00	1.4	189	14.2	1016
10/20/24 11:00	1.4	148	17.2	1016
10/20/24 12:00	4.3	231	20.7	1014
10/20/24 13:00	3.5	263	21.0	1013
10/20/24 14:00	3.5	256	21.0	1013
10/20/24 15:00	3.7	240	21.0	1012
10/20/24 16:00	3.3	243	21.0	1011
10/20/24 17:00	2.4	192	17.3	1011
10/20/24 18:00	2.5	173	14.2	1011
10/20/24 19:00	3.0	191	13.2	1011
10/20/24 20:00	2.9	193	13.0	1011
10/20/24 21:00	2.2	206	12.2	1011
10/20/24 22:00	2.0	207	11.3	1010
10/20/24 23:00	2.3	216	11.1	1010
10/21/24 0:00	1.7	196	9.7	1010

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/17/24 11:00 to 10/31/24 10:00)

10/21/24 1:00	0.3	44	8.0	1010
10/21/24 2:00	1.3	175	7.9	1009
10/21/24 3:00	0.8	106	6.9	1009
10/21/24 4:00	0.3	48	6.5	1009
10/21/24 5:00	1.1	143	6.4	1009
10/21/24 6:00	1.7	217	7.2	1009
10/21/24 7:00	1.2	175	7.8	1010
10/21/24 8:00	1.9	232	12.5	1010
10/21/24 9:00	0.6	81	15.8	1010
10/21/24 10:00	2.2	236	19.3	1010
10/21/24 11:00	4.0	265	21.8	1009
10/21/24 12:00	3.7	278	22.1	1008
10/21/24 13:00	4.7	276	22.9	1008
10/21/24 14:00	4.1	287	23.7	1008
10/21/24 15:00	3.4	273	23.5	1007
10/21/24 16:00	2.2	280	23.3	1008
10/21/24 17:00	0.8	123	20.1	1008
10/21/24 18:00	1.5	240	17.2	1009
10/21/24 19:00	0.5	67	14.4	1010
10/21/24 20:00	1.1	137	13.2	1010
10/21/24 21:00	1.7	212	12.6	1011
10/21/24 22:00	2.0	232	12.3	1012
10/21/24 23:00	1.6	202	11.8	1012
10/22/24 0:00	0.2	25	10.1	1012
10/22/24 1:00	0.6	91	10.2	1013
10/22/24 2:00	ND	ND	8.3	1014
10/22/24 3:00	0.2	35	7.8	1014
10/22/24 4:00	0.2	14	7.5	1015
10/22/24 5:00	0.2	34	6.9	1016
10/22/24 6:00	0.6	73	6.8	1017
10/22/24 7:00	0.3	69	8.2	1018
10/22/24 8:00	2.6	46	11.8	1019
10/22/24 9:00	2.9	26	13.9	1020
10/22/24 10:00	2.5	46	16.5	1020
10/22/24 11:00	1.2	60	17.5	1019
10/22/24 12:00	1.3	77	18.8	1019
10/22/24 13:00	3.3	186	20.1	1019
10/22/24 14:00	4.1	191	20.9	1018
10/22/24 15:00	4.6	194	20.5	1018
10/22/24 16:00	4.6	193	18.9	1018
10/22/24 17:00	3.7	160	16.7	1018
10/22/24 18:00	2.9	180	14.7	1018
10/22/24 19:00	2.2	176	13.4	1018
10/22/24 20:00	3.0	168	12.3	1018

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/17/24 11:00 to 10/31/24 10:00)

10/22/24 21:00	2.7	176	12.0	1018
10/22/24 22:00	2.3	182	11.3	1018
10/22/24 23:00	1.9	198	11.0	1017
10/23/24 0:00	2.0	201	11.0	1017
10/23/24 1:00	1.6	201	11.0	1016
10/23/24 2:00	2.0	190	11.0	1016
10/23/24 3:00	2.3	167	11.8	1015
10/23/24 4:00	3.6	174	12.0	1014
10/23/24 5:00	3.4	174	12.0	1014
10/23/24 6:00	3.2	164	12.0	1013
10/23/24 7:00	2.6	171	12.1	1013
10/23/24 8:00	3.2	176	13.0	1013
10/23/24 9:00	4.2	182	13.1	1012
10/23/24 10:00	5.0	196	14.8	1011
10/23/24 11:00	5.6	190	16.8	1010
10/23/24 12:00	5.6	180	17.6	1009
10/23/24 13:00	5.8	182	19.1	1008
10/23/24 14:00	6.3	182	19.0	1006
10/23/24 15:00	6.1	176	18.4	1006
10/23/24 16:00	6.5	174	17.6	1005
10/23/24 17:00	6.2	167	15.9	1004
10/23/24 18:00	6.2	170	14.3	1004
10/23/24 19:00	5.3	180	14.0	1004
10/23/24 20:00	5.3	172	13.9	1004
10/23/24 21:00	4.0	181	13.0	1004
10/23/24 22:00	3.3	199	13.1	1003
10/23/24 23:00	3.4	195	13.7	1003
10/24/24 0:00	2.8	199	14.0	1003
10/24/24 1:00	2.0	257	14.0	1003
10/24/24 2:00	0.2	19	12.9	1003
10/24/24 3:00	ND	ND	11.7	1003
10/24/24 4:00	0.9	53	12.3	1003
10/24/24 5:00	0.3	51	12.8	1004
10/24/24 6:00	ND	ND	12.1	1004
10/24/24 7:00	0.2	35	11.2	1004
10/24/24 8:00	0.9	168	12.1	1005
10/24/24 9:00	3.5	344	14.9	1006
10/24/24 10:00	5.2	347	17.4	1006
10/24/24 11:00	5.7	352	18.2	1005
10/24/24 12:00	6.5	255	18.7	1006
10/24/24 13:00	6.2	212	19.0	1005
10/24/24 14:00	7.0	152	18.9	1005
10/24/24 15:00	6.8	87	17.9	1005
10/24/24 16:00	5.9	13	16.7	1006

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/17/24 11:00 to 10/31/24 10:00)

10/24/24 17:00	6.0	50	15.3	1006
10/24/24 18:00	5.9	325	13.7	1007
10/24/24 19:00	6.0	288	12.4	1008
10/24/24 20:00	6.4	346	11.4	1008
10/24/24 21:00	6.4	342	10.7	1009
10/24/24 22:00	4.8	344	9.3	1009
10/24/24 23:00	5.5	348	9.0	1009
10/25/24 0:00	5.3	357	8.4	1009
10/25/24 1:00	5.8	355	7.4	1009
10/25/24 2:00	6.3	352	6.9	1010
10/25/24 3:00	5.2	349	6.0	1010
10/25/24 4:00	4.4	337	4.9	1010
10/25/24 5:00	3.9	329	3.5	1010
10/25/24 6:00	3.7	339	3.4	1010
10/25/24 7:00	2.8	312	3.4	1011
10/25/24 8:00	2.5	289	5.4	1011
10/25/24 9:00	4.4	348	7.7	1011
10/25/24 10:00	6.8	347	9.3	1011
10/25/24 11:00	5.6	321	11.3	1011
10/25/24 12:00	5.0	305	12.2	1010
10/25/24 13:00	4.1	309	13.1	1009
10/25/24 14:00	4.1	324	13.5	1008
10/25/24 15:00	3.1	304	13.0	1008
10/25/24 16:00	2.8	227	12.9	1008
10/25/24 17:00	0.8	38	9.0	1008
10/25/24 18:00	0.2	59	6.0	1008
10/25/24 19:00	ND	ND	4.1	1008
10/25/24 20:00	ND	ND	3.5	1008
10/25/24 21:00	ND	ND	3.5	1008
10/25/24 22:00	0.5	55	5.3	1008
10/25/24 23:00	0.0	36	6.0	1007
10/26/24 0:00	0.2	22	4.8	1007
10/26/24 1:00	0.3	40	2.8	1006
10/26/24 2:00	0.6	71	3.3	1006
10/26/24 3:00	0.2	23	2.2	1005
10/26/24 4:00	0.5	61	3.9	1005
10/26/24 5:00	ND	ND	4.4	1005
10/26/24 6:00	0.2	20	5.4	1004
10/26/24 7:00	ND	ND	4.2	1005
10/26/24 8:00	ND	ND	6.5	1005
10/26/24 9:00	1.2	127	8.6	1005
10/26/24 10:00	4.5	265	12.4	1004
10/26/24 11:00	4.5	274	14.4	1004
10/26/24 12:00	5.1	288	13.4	1004

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/17/24 11:00 to 10/31/24 10:00)

10/26/24 13:00	5.1	300	13.3	1004
10/26/24 14:00	6.5	278	12.2	1004
10/26/24 15:00	5.8	300	12.0	1005
10/26/24 16:00	6.4	306	11.4	1006
10/26/24 17:00	5.0	307	9.7	1007
10/26/24 18:00	4.4	310	8.7	1009
10/26/24 19:00	2.5	285	7.5	1009
10/26/24 20:00	2.5	289	7.0	1010
10/26/24 21:00	2.0	268	6.5	1010
10/26/24 22:00	2.3	248	5.3	1011
10/26/24 23:00	2.1	259	4.2	1011
10/27/24 0:00	2.5	256	4.0	1011
10/27/24 1:00	2.7	254	3.6	1012
10/27/24 2:00	3.2	269	3.6	1013
10/27/24 3:00	2.7	281	3.0	1013
10/27/24 4:00	4.0	278	3.0	1014
10/27/24 5:00	3.0	274	1.9	1015
10/27/24 6:00	3.1	265	0.9	1015
10/27/24 7:00	3.1	261	1.1	1016
10/27/24 8:00	4.0	259	2.2	1016
10/27/24 9:00	4.4	253	3.6	1016
10/27/24 10:00	5.0	269	5.8	1015
10/27/24 11:00	5.1	290	6.8	1015
10/27/24 12:00	5.1	246	7.8	1014
10/27/24 13:00	5.1	272	8.4	1013
10/27/24 14:00	5.9	284	9.1	1012
10/27/24 15:00	6.5	278	9.0	1013
10/27/24 16:00	6.8	271	8.2	1013
10/27/24 17:00	6.1	269	7.0	1013
10/27/24 18:00	3.9	275	6.4	1014
10/27/24 19:00	4.9	310	4.8	1015
10/27/24 20:00	3.1	301	4.0	1016
10/27/24 21:00	5.1	316	3.5	1017
10/27/24 22:00	7.6	315	3.0	1018
10/27/24 23:00	5.8	308	2.3	1019
10/28/24 0:00	4.7	306	1.1	1019
10/28/24 1:00	3.7	296	0.4	1019
10/28/24 2:00	2.9	298	-0.7	1020
10/28/24 3:00	2.5	273	-1.2	1020
10/28/24 4:00	2.2	251	-1.7	1021
10/28/24 5:00	2.3	239	-2.1	1021
10/28/24 6:00	2.4	246	-2.0	1022
10/28/24 7:00	1.4	211	-2.0	1023
10/28/24 8:00	2.6	238	-0.7	1023

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/17/24 11:00 to 10/31/24 10:00)

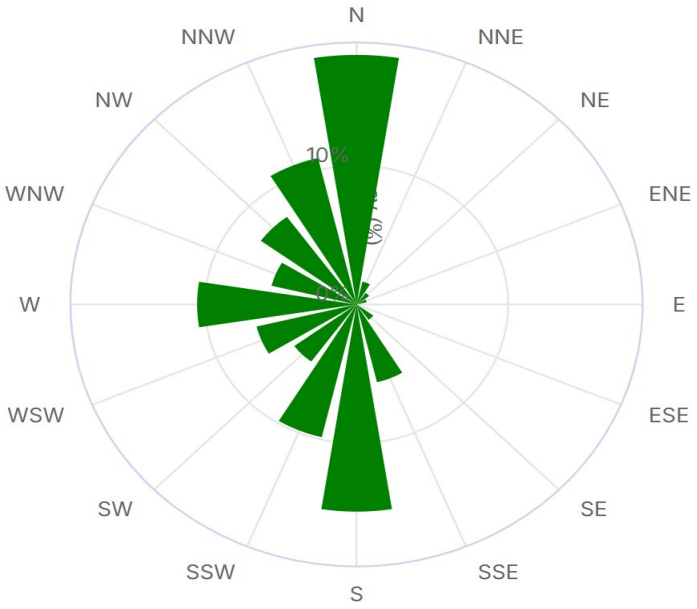
10/28/24 9:00	3.2	273	1.8	1023
10/28/24 10:00	4.9	295	3.5	1023
10/28/24 11:00	6.7	309	5.3	1023
10/28/24 12:00	5.9	313	6.7	1023
10/28/24 13:00	5.8	313	7.8	1022
10/28/24 14:00	6.1	325	8.0	1022
10/28/24 15:00	4.6	327	8.0	1023
10/28/24 16:00	4.3	319	7.3	1023
10/28/24 17:00	1.8	299	4.6	1024
10/28/24 18:00	1.0	171	1.4	1024
10/28/24 19:00	0.7	99	0.3	1025
10/28/24 20:00	1.0	130	-1.4	1026
10/28/24 21:00	0.5	73	-2.8	1026
10/28/24 22:00	0.7	114	-2.9	1027
10/28/24 23:00	0.4	48	-3.5	1027
10/29/24 0:00	ND	ND	-4.2	1028
10/29/24 1:00	ND	ND	-4.9	1028
10/29/24 2:00	ND	ND	-5.5	1028
10/29/24 3:00	ND	ND	-5.9	1028
10/29/24 4:00	ND	ND	-6.0	1028
10/29/24 5:00	ND	ND	-6.5	1029
10/29/24 6:00	ND	ND	-7.0	1029
10/29/24 7:00	ND	ND	-6.2	1029
10/29/24 8:00	ND	ND	-2.8	1030
10/29/24 9:00	ND	ND	0.5	1029
10/29/24 10:00	ND	ND	2.5	1029
10/29/24 11:00	0.2	16	4.3	1029
10/29/24 12:00	1.2	115	5.8	1029
10/29/24 13:00	2.8	201	6.6	1028
10/29/24 14:00	3.5	163	7.0	1027
10/29/24 15:00	3.4	160	7.7	1027
10/29/24 16:00	3.2	163	7.8	1026
10/29/24 17:00	2.6	153	7.0	1026
10/29/24 18:00	2.9	137	5.7	1026
10/29/24 19:00	3.6	153	6.0	1026
10/29/24 20:00	2.8	146	6.0	1026
10/29/24 21:00	2.7	137	6.3	1026
10/29/24 22:00	2.3	131	7.0	1026
10/29/24 23:00	2.6	150	7.5	1026
10/30/24 0:00	3.4	164	8.0	1025
10/30/24 1:00	3.5	164	8.0	1025
10/30/24 2:00	3.8	151	9.0	1024
10/30/24 3:00	3.3	158	9.0	1023
10/30/24 4:00	2.4	162	8.3	1023

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/17/24 11:00 to 10/31/24 10:00)

10/30/24 5:00	3.3	172	8.0	1022
10/30/24 6:00	3.6	189	8.8	1022
10/30/24 7:00	3.2	210	8.2	1022
10/30/24 8:00	4.2	195	8.6	1022
10/30/24 9:00	4.6	186	8.9	1022
10/30/24 10:00	5.2	180	9.0	1021
10/30/24 11:00	5.1	179	9.2	1020
10/30/24 12:00	5.4	180	10.0	1019
10/30/24 13:00	5.1	178	10.8	1018
10/30/24 14:00	5.9	175	11.0	1018
10/30/24 15:00	5.4	179	11.0	1017
10/30/24 16:00	6.0	179	11.0	1016
10/30/24 17:00	5.3	187	11.0	1015
10/30/24 18:00	4.9	188	11.3	1015
10/30/24 19:00	4.5	189	12.0	1014
10/30/24 20:00	3.8	187	12.0	1013
10/30/24 21:00	2.7	201	12.0	1013
10/30/24 22:00	2.7	187	12.0	1013
10/30/24 23:00	3.3	188	12.0	1012
10/31/24 0:00	3.3	199	12.0	1011
10/31/24 1:00	3.0	200	12.0	1010
10/31/24 2:00	2.7	197	12.0	1009
10/31/24 3:00	1.9	186	12.0	1009
10/31/24 4:00	1.9	210	12.0	1009
10/31/24 5:00	2.6	209	12.0	1008
10/31/24 6:00	2.1	188	11.5	1008
10/31/24 7:00	0.5	62	11.0	1008
10/31/24 8:00	2.2	194	11.4	1008
10/31/24 9:00	2.4	203	12.9	1008
10/31/24 10:00	2.8	193	15.7	1008

BGR Wind Rose 10/17/24 11:00 - 10/31/24 10:00



IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/31/24 9:00 to 11/14/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
10/31/24 9:00	2.4	203	12.9	1008
10/31/24 10:00	2.8	193	15.7	1008
10/31/24 11:00	2.9	204	19.2	1007
10/31/24 12:00	2.6	201	22.6	1006
10/31/24 13:00	5.4	243	24.3	1005
10/31/24 14:00	4.6	215	24.4	1004
10/31/24 15:00	3.0	198	24.6	1004
10/31/24 16:00	3.6	171	21.6	1003
10/31/24 17:00	3.4	164	18.5	1003
10/31/24 18:00	2.9	190	17.6	1003
10/31/24 19:00	3.4	185	16.9	1003
10/31/24 20:00	3.7	177	16.7	1003
10/31/24 21:00	4.3	184	17.2	1002
10/31/24 22:00	4.5	185	17.0	1002
10/31/24 23:00	4.1	185	17.1	1001
11/1/24 0:00	4.4	188	17.7	1000
11/1/24 1:00	4.5	180	17.7	1000
11/1/24 2:00	3.3	162	17.5	999
11/1/24 3:00	3.6	199	19.2	999
11/1/24 4:00	4.0	191	18.5	998
11/1/24 5:00	3.4	190	18.0	998
11/1/24 6:00	3.3	190	17.3	998
11/1/24 7:00	2.2	152	16.1	999
11/1/24 8:00	1.6	140	16.0	999
11/1/24 9:00	2.9	194	16.2	998
11/1/24 10:00	3.0	189	17.0	998
11/1/24 11:00	2.0	196	17.8	998
11/1/24 12:00	3.9	228	20.8	997
11/1/24 13:00	6.1	273	22.2	997
11/1/24 14:00	5.8	290	22.7	998
11/1/24 15:00	7.7	296	21.5	999
11/1/24 16:00	8.3	308	17.3	1001
11/1/24 17:00	4.0	293	16.4	1003
11/1/24 18:00	2.4	296	14.9	1004
11/1/24 19:00	4.7	310	14.3	1005
11/1/24 20:00	7.6	315	13.5	1007
11/1/24 21:00	7.7	332	11.9	1008
11/1/24 22:00	6.8	218	9.6	1009
11/1/24 23:00	6.8	322	8.1	1010
11/2/24 0:00	4.8	119	7.0	1011
11/2/24 1:00	6.0	35	6.0	1012
11/2/24 2:00	4.9	28	4.8	1013

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/31/24 9:00 to 11/14/24 10:00)

11/2/24 3:00	3.8	52	4.0	1013
11/2/24 4:00	3.3	16	4.0	1014
11/2/24 5:00	3.6	21	3.6	1014
11/2/24 6:00	3.4	255	4.0	1015
11/2/24 7:00	4.6	19	4.0	1016
11/2/24 8:00	4.0	20	4.0	1017
11/2/24 9:00	4.9	150	4.7	1017
11/2/24 10:00	4.5	25	6.1	1017
11/2/24 11:00	4.3	270	6.6	1017
11/2/24 12:00	6.4	335	7.0	1017
11/2/24 13:00	6.2	334	7.0	1017
11/2/24 14:00	6.0	330	7.0	1017
11/2/24 15:00	5.0	314	6.9	1017
11/2/24 16:00	4.8	318	6.0	1018
11/2/24 17:00	4.4	322	5.8	1018
11/2/24 18:00	5.0	309	4.1	1019
11/2/24 19:00	5.2	305	3.2	1020
11/2/24 20:00	4.4	305	3.0	1020
11/2/24 21:00	3.3	306	3.0	1021
11/2/24 22:00	3.9	308	2.9	1021
11/2/24 23:00	3.3	316	2.0	1021
11/3/24 0:00	3.0	311	2.0	1021
11/3/24 1:00	1.7	289	0.7	1021
11/3/24 2:00	1.3	221	-0.1	1021
11/3/24 3:00	ND	ND	-1.1	1022
11/3/24 4:00	ND	ND	-2.3	1022
11/3/24 5:00	1.9	253	-1.4	1023
11/3/24 6:00	3.7	322	1.0	1024
11/3/24 7:00	4.1	338	2.8	1024
11/3/24 8:00	4.8	341	4.0	1023
11/3/24 9:00	4.2	244	5.1	1023
11/3/24 10:00	4.1	333	6.0	1023
11/3/24 11:00	4.2	325	7.0	1022
11/3/24 12:00	4.3	320	7.3	1022
11/3/24 13:00	3.8	308	7.1	1022
11/3/24 14:00	4.1	322	6.5	1023
11/3/24 15:00	2.8	317	4.4	1023
11/3/24 16:00	3.1	312	3.9	1024
11/3/24 17:00	2.5	301	3.5	1025
11/3/24 18:00	0.3	64	0.6	1025
11/3/24 19:00	ND	ND	-0.5	1025
11/3/24 20:00	ND	ND	-1.4	1026
11/3/24 21:00	ND	ND	-2.4	1026
11/3/24 22:00	ND	ND	-2.8	1027

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/31/24 9:00 to 11/14/24 10:00)

11/3/24 23:00	0.3	65	-3.5	1027
11/4/24 0:00	0.5	55	-3.0	1027
11/4/24 1:00	0.3	45	-3.4	1027
11/4/24 2:00	ND	ND	-4.2	1027
11/4/24 3:00	ND	ND	-4.0	1028
11/4/24 4:00	ND	ND	-3.3	1028
11/4/24 5:00	ND	ND	-2.7	1028
11/4/24 6:00	ND	ND	-1.6	1029
11/4/24 7:00	ND	ND	0.3	1029
11/4/24 8:00	ND	ND	2.6	1029
11/4/24 9:00	0.7	63	3.9	1028
11/4/24 10:00	1.1	103	4.8	1028
11/4/24 11:00	3.0	182	5.1	1026
11/4/24 12:00	2.5	201	6.0	1026
11/4/24 13:00	3.2	224	6.4	1025
11/4/24 14:00	3.3	199	7.2	1025
11/4/24 15:00	3.0	167	7.0	1024
11/4/24 16:00	2.5	168	7.0	1023
11/4/24 17:00	2.7	155	6.0	1022
11/4/24 18:00	1.4	138	6.4	1022
11/4/24 19:00	2.2	171	7.0	1021
11/4/24 20:00	2.7	162	6.3	1020
11/4/24 21:00	3.2	164	6.2	1019
11/4/24 22:00	4.0	190	7.4	1018
11/4/24 23:00	4.4	196	8.1	1017
11/5/24 0:00	4.6	199	8.5	1016
11/5/24 1:00	3.6	202	9.0	1015
11/5/24 2:00	3.8	195	9.0	1015
11/5/24 3:00	4.0	191	9.0	1014
11/5/24 4:00	3.7	197	9.2	1014
11/5/24 5:00	2.9	198	10.0	1014
11/5/24 6:00	2.7	191	10.1	1014
11/5/24 7:00	2.7	193	11.0	1013
11/5/24 8:00	2.4	206	11.7	1012
11/5/24 9:00	2.9	197	12.3	1012
11/5/24 10:00	3.5	208	13.3	1011
11/5/24 11:00	4.2	192	14.0	1010
11/5/24 12:00	4.2	197	14.8	1009
11/5/24 13:00	4.1	198	15.5	1008
11/5/24 14:00	3.6	191	14.5	1008
11/5/24 15:00	3.5	184	13.3	1007
11/5/24 16:00	3.2	184	12.3	1007
11/5/24 17:00	2.9	194	11.9	1007
11/5/24 18:00	3.9	187	11.8	1006

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/31/24 9:00 to 11/14/24 10:00)

11/5/24 19:00	2.9	189	12.0	1006
11/5/24 20:00	3.1	188	12.0	1005
11/5/24 21:00	3.6	192	12.9	1005
11/5/24 22:00	3.2	196	12.9	1004
11/5/24 23:00	2.0	162	12.1	1004
11/6/24 0:00	3.4	187	13.0	1003
11/6/24 1:00	3.2	182	13.0	1003
11/6/24 2:00	3.9	189	13.3	1002
11/6/24 3:00	4.9	189	13.9	1002
11/6/24 4:00	3.6	188	13.5	1002
11/6/24 5:00	3.0	186	13.9	1001
11/6/24 6:00	3.4	180	14.8	1001
11/6/24 7:00	3.6	203	16.8	1000
11/6/24 8:00	4.8	204	18.0	1000
11/6/24 9:00	3.9	199	19.7	999
11/6/24 10:00	5.5	222	23.4	998
11/6/24 11:00	5.7	231	24.0	998
11/6/24 12:00	5.2	236	23.8	998
11/6/24 13:00	5.0	251	23.9	998
11/6/24 14:00	3.4	269	23.1	999
11/6/24 15:00	3.2	286	22.9	1000
11/6/24 16:00	3.2	284	22.0	1001
11/6/24 17:00	3.2	277	21.8	1001
11/6/24 18:00	2.9	289	21.0	1002
11/6/24 19:00	4.5	310	20.0	1003
11/6/24 20:00	4.2	344	16.9	1003
11/6/24 21:00	3.9	334	14.5	1003
11/6/24 22:00	4.2	327	14.1	1004
11/6/24 23:00	5.0	329	14.6	1005
11/7/24 0:00	5.1	333	14.2	1005
11/7/24 1:00	3.4	330	13.3	1005
11/7/24 2:00	2.8	291	12.9	1005
11/7/24 3:00	4.0	336	12.2	1005
11/7/24 4:00	4.5	339	11.8	1005
11/7/24 5:00	4.6	340	10.9	1006
11/7/24 6:00	2.4	280	10.7	1006
11/7/24 7:00	3.8	332	11.0	1006
11/7/24 8:00	4.5	321	12.0	1006
11/7/24 9:00	6.4	312	13.0	1006
11/7/24 10:00	6.6	315	13.1	1006
11/7/24 11:00	5.7	302	12.8	1005
11/7/24 12:00	5.4	309	12.0	1006
11/7/24 13:00	5.1	300	12.0	1005
11/7/24 14:00	3.5	291	11.6	1006

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/31/24 9:00 to 11/14/24 10:00)

11/7/24 15:00	2.2	266	9.6	1006
11/7/24 16:00	2.1	262	9.0	1007
11/7/24 17:00	2.6	256	8.2	1008
11/7/24 18:00	1.9	235	7.4	1008
11/7/24 19:00	0.5	75	5.8	1008
11/7/24 20:00	1.9	218	5.2	1008
11/7/24 21:00	2.4	222	4.9	1007
11/7/24 22:00	2.0	235	5.1	1007
11/7/24 23:00	0.5	79	4.4	1007
11/8/24 0:00	2.3	256	5.3	1006
11/8/24 1:00	1.5	155	5.1	1005
11/8/24 2:00	1.4	146	3.8	1004
11/8/24 3:00	2.6	187	4.5	1004
11/8/24 4:00	3.1	192	6.0	1003
11/8/24 5:00	3.0	207	6.6	1002
11/8/24 6:00	4.9	208	7.5	1001
11/8/24 7:00	5.8	207	8.6	1000
11/8/24 8:00	5.0	201	10.8	998
11/8/24 9:00	5.8	232	12.7	997
11/8/24 10:00	6.5	242	13.1	996
11/8/24 11:00	4.7	237	12.7	995
11/8/24 12:00	4.9	263	12.8	995
11/8/24 13:00	5.7	279	11.6	995
11/8/24 14:00	5.1	275	10.9	995
11/8/24 15:00	5.1	284	9.0	996
11/8/24 16:00	4.2	299	7.7	997
11/8/24 17:00	3.3	292	7.3	998
11/8/24 18:00	2.9	265	6.9	999
11/8/24 19:00	2.3	279	6.3	999
11/8/24 20:00	4.8	308	6.0	1000
11/8/24 21:00	6.3	308	6.0	1000
11/8/24 22:00	5.7	304	6.0	1000
11/8/24 23:00	6.4	307	6.0	1001
11/9/24 0:00	7.1	303	6.0	1002
11/9/24 1:00	8.3	311	6.0	1003
11/9/24 2:00	7.8	311	5.0	1005
11/9/24 3:00	8.0	313	4.0	1006
11/9/24 4:00	6.0	316	3.4	1007
11/9/24 5:00	6.2	314	3.3	1008
11/9/24 6:00	8.2	315	4.1	1010
11/9/24 7:00	11.0	323	5.0	1011
11/9/24 8:00	12.4	332	6.1	1012
11/9/24 9:00	15.2	334	7.0	1012
11/9/24 10:00	10.8	324	7.1	1012

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/31/24 9:00 to 11/14/24 10:00)

11/9/24 11:00	11.1	324	7.0	1013
11/9/24 12:00	10.4	321	7.0	1013
11/9/24 13:00	8.9	322	7.0	1014
11/9/24 14:00	6.6	318	6.0	1015
11/9/24 15:00	4.9	316	3.9	1016
11/9/24 16:00	3.8	309	3.7	1018
11/9/24 17:00	3.3	301	2.8	1019
11/9/24 18:00	3.6	303	2.5	1019
11/9/24 19:00	3.0	283	1.4	1019
11/9/24 20:00	2.7	279	0.8	1020
11/9/24 21:00	2.6	264	-0.1	1020
11/9/24 22:00	3.1	263	0.0	1020
11/9/24 23:00	2.9	263	-0.9	1020
11/10/24 0:00	1.9	200	-1.4	1020
11/10/24 1:00	0.2	20	-3.4	1019
11/10/24 2:00	0.3	42	-3.7	1020
11/10/24 3:00	0.5	53	-3.6	1019
11/10/24 4:00	ND	ND	-3.9	1018
11/10/24 5:00	0.2	23	-3.6	1018
11/10/24 6:00	2.0	202	-0.9	1018
11/10/24 7:00	2.5	205	2.3	1017
11/10/24 8:00	4.1	202	6.0	1016
11/10/24 9:00	4.4	204	7.5	1015
11/10/24 10:00	4.7	208	9.0	1014
11/10/24 11:00	4.8	223	11.0	1012
11/10/24 12:00	3.8	231	11.0	1011
11/10/24 13:00	3.5	225	11.0	1010
11/10/24 14:00	1.3	132	9.9	1010
11/10/24 15:00	0.8	90	6.4	1009
11/10/24 16:00	0.8	99	4.5	1009
11/10/24 17:00	2.3	181	6.6	1008
11/10/24 18:00	2.4	179	7.0	1008
11/10/24 19:00	2.0	138	6.5	1007
11/10/24 20:00	2.0	156	6.8	1005
11/10/24 21:00	1.1	98	7.6	1005
11/10/24 22:00	0.9	92	7.0	1003
11/10/24 23:00	2.0	156	7.1	1002
11/11/24 0:00	2.9	175	8.0	1001
11/11/24 1:00	1.2	154	8.2	1000
11/11/24 2:00	3.3	167	8.7	998
11/11/24 3:00	3.8	179	9.3	997
11/11/24 4:00	3.4	180	9.1	996
11/11/24 5:00	2.3	191	9.0	994
11/11/24 6:00	1.7	162	9.1	994

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/31/24 9:00 to 11/14/24 10:00)

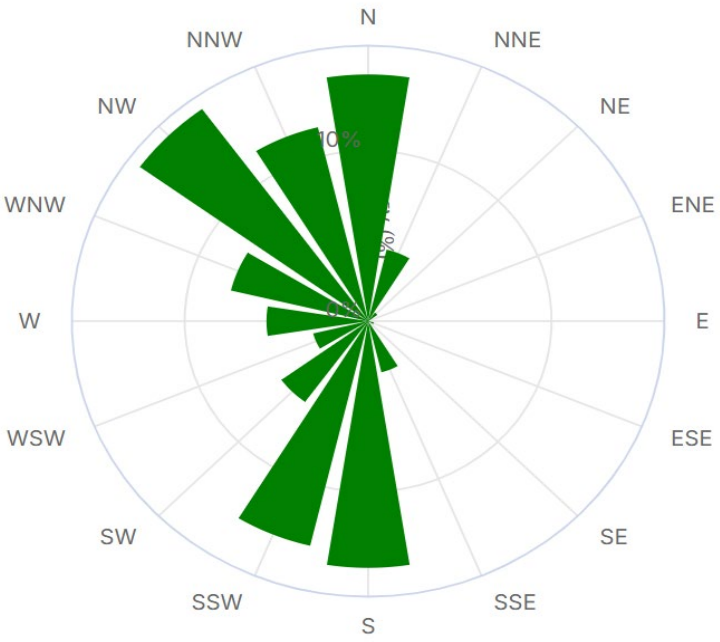
11/11/24 7:00	1.0	126	9.7	993
11/11/24 8:00	2.7	220	11.1	993
11/11/24 9:00	4.1	221	12.3	993
11/11/24 10:00	4.8	214	14.4	992
11/11/24 11:00	4.4	242	16.1	991
11/11/24 12:00	3.9	246	16.2	991
11/11/24 13:00	3.3	257	17.0	991
11/11/24 14:00	2.7	281	16.5	992
11/11/24 15:00	0.8	77	14.0	992
11/11/24 16:00	1.3	144	10.9	993
11/11/24 17:00	0.7	83	9.5	993
11/11/24 18:00	1.5	149	8.6	993
11/11/24 19:00	1.8	191	8.6	994
11/11/24 20:00	1.3	140	7.6	994
11/11/24 21:00	1.7	179	8.8	994
11/11/24 22:00	2.2	192	7.5	993
11/11/24 23:00	1.9	145	7.5	993
11/12/24 0:00	1.1	133	8.3	993
11/12/24 1:00	0.6	66	8.4	993
11/12/24 2:00	1.7	221	8.5	993
11/12/24 3:00	1.7	186	8.7	993
11/12/24 4:00	0.3	80	6.8	994
11/12/24 5:00	1.4	143	7.6	995
11/12/24 6:00	6.7	304	8.4	997
11/12/24 7:00	9.2	317	8.1	998
11/12/24 8:00	9.4	322	8.0	1000
11/12/24 9:00	10.0	334	8.0	1001
11/12/24 10:00	9.9	303	7.7	1002
11/12/24 11:00	8.2	345	7.4	1003
11/12/24 12:00	8.4	347	7.8	1004
11/12/24 13:00	11.8	341	7.1	1006
11/12/24 14:00	11.8	342	6.0	1008
11/12/24 15:00	10.9	344	4.7	1010
11/12/24 16:00	10.4	345	3.6	1012
11/12/24 17:00	10.6	340	3.0	1013
11/12/24 18:00	8.4	346	3.0	1015
11/12/24 19:00	8.7	343	2.4	1015
11/12/24 20:00	7.1	349	2.0	1016
11/12/24 21:00	7.0	354	1.3	1017
11/12/24 22:00	5.7	352	0.4	1018
11/12/24 23:00	7.2	354	0.7	1018
11/13/24 0:00	8.0	353	0.7	1019
11/13/24 1:00	9.3	354	-0.5	1020
11/13/24 2:00	8.3	358	-1.0	1021

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (10/31/24 9:00 to 11/14/24 10:00)

11/13/24 3:00	8.3	348	-1.2	1022
11/13/24 4:00	6.9	356	-1.3	1023
11/13/24 5:00	6.4	351	-1.9	1024
11/13/24 6:00	6.8	252	-0.9	1025
11/13/24 7:00	8.9	204	0.3	1026
11/13/24 8:00	9.6	185	1.6	1026
11/13/24 9:00	8.8	116	2.2	1026
11/13/24 10:00	8.0	83	3.2	1025
11/13/24 11:00	8.2	84	4.0	1025
11/13/24 12:00	8.3	250	4.0	1025
11/13/24 13:00	7.6	150	4.0	1025
11/13/24 14:00	6.8	46	3.4	1025
11/13/24 15:00	5.5	80	2.2	1026
11/13/24 16:00	4.4	81	1.4	1026
11/13/24 17:00	3.9	47	0.9	1026
11/13/24 18:00	3.8	17	0.0	1027
11/13/24 19:00	4.0	45	-1.0	1027
11/13/24 20:00	3.3	149	-1.2	1026
11/13/24 21:00	3.4	183	-2.0	1026
11/13/24 22:00	4.1	220	-2.0	1025
11/13/24 23:00	3.4	116	-2.1	1025
11/14/24 0:00	4.5	183	-2.0	1025
11/14/24 1:00	3.6	332	-3.8	1025
11/14/24 2:00	3.9	222	-3.7	1024
11/14/24 3:00	4.8	13	-3.0	1024
11/14/24 4:00	4.5	45	-3.4	1023
11/14/24 5:00	5.3	14	-3.0	1023
11/14/24 6:00	4.8	17	-2.5	1023
11/14/24 7:00	5.9	152	-1.3	1022
11/14/24 8:00	5.7	291	0.7	1021
11/14/24 9:00	5.7	116	2.3	1020
11/14/24 10:00	5.4	255	3.6	1019

BGR Wind Rose 10/31/24 9:00 - 11/14/24 10:00



IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/14/24 9:00 to 11/28/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
11/14/24 9:00	5.7	116	2.3	1020
11/14/24 10:00	5.4	255	3.6	1019
11/14/24 11:00	5.8	250	4.8	1018
11/14/24 12:00	6.0	218	6.0	1016
11/14/24 13:00	5.7	220	6.0	1016
11/14/24 14:00	4.5	218	5.2	1015
11/14/24 15:00	3.3	287	2.2	1015
11/14/24 16:00	3.2	219	1.4	1014
11/14/24 17:00	2.8	113	0.6	1014
11/14/24 18:00	2.9	335	-1.4	1013
11/14/24 19:00	2.5	288	-2.2	1013
11/14/24 20:00	2.9	344	-2.7	1011
11/14/24 21:00	2.1	339	-2.9	1010
11/14/24 22:00	1.4	217	-3.2	1009
11/14/24 23:00	ND	ND	-5.6	1008
11/15/24 0:00	2.2	192	-3.8	1007
11/15/24 1:00	1.7	219	-4.4	1006
11/15/24 2:00	0.2	32	-6.0	1005
11/15/24 3:00	1.1	200	-6.3	1004
11/15/24 4:00	0.8	144	-6.0	1003
11/15/24 5:00	0.2	34	-5.1	1003
11/15/24 6:00	1.2	127	-2.5	1002
11/15/24 7:00	3.1	309	1.3	1001
11/15/24 8:00	4.3	329	3.7	1000
11/15/24 9:00	5.1	354	6.4	998
11/15/24 10:00	7.1	355	7.6	997
11/15/24 11:00	8.0	353	8.1	997
11/15/24 12:00	7.5	354	8.0	996
11/15/24 13:00	5.7	352	8.0	996
11/15/24 14:00	4.6	340	7.8	996
11/15/24 15:00	5.6	337	7.6	995
11/15/24 16:00	5.9	346	8.0	995
11/15/24 17:00	5.2	340	7.9	995
11/15/24 18:00	5.4	339	7.5	995
11/15/24 19:00	5.0	333	7.0	995
11/15/24 20:00	3.9	324	7.0	995
11/15/24 21:00	4.1	332	7.0	995
11/15/24 22:00	3.3	324	7.0	994
11/15/24 23:00	4.0	311	7.0	994
11/16/24 0:00	4.5	312	7.0	994
11/16/24 1:00	4.2	313	7.0	994
11/16/24 2:00	4.4	324	6.7	994

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/14/24 9:00 to 11/28/24 10:00)

11/16/24 3:00	3.9	312	7.0	995
11/16/24 4:00	3.3	309	7.0	995
11/16/24 5:00	4.1	311	7.0	996
11/16/24 6:00	6.3	326	7.1	996
11/16/24 7:00	5.8	321	7.5	996
11/16/24 8:00	6.7	322	8.3	997
11/16/24 9:00	5.8	317	8.0	997
11/16/24 10:00	6.1	318	8.0	997
11/16/24 11:00	6.3	326	8.8	997
11/16/24 12:00	6.1	320	9.0	998
11/16/24 13:00	6.6	329	9.4	998
11/16/24 14:00	5.8	328	9.1	999
11/16/24 15:00	5.4	321	8.9	1000
11/16/24 16:00	5.6	320	7.8	1001
11/16/24 17:00	5.5	317	7.0	1002
11/16/24 18:00	5.8	320	7.0	1002
11/16/24 19:00	5.0	320	7.0	1002
11/16/24 20:00	4.7	327	7.0	1002
11/16/24 21:00	2.9	331	5.3	1003
11/16/24 22:00	2.7	321	5.5	1003
11/16/24 23:00	2.9	313	5.8	1003
11/17/24 0:00	2.9	318	4.6	1004
11/17/24 1:00	2.7	315	4.0	1004
11/17/24 2:00	1.9	253	2.2	1004
11/17/24 3:00	0.4	63	1.3	1005
11/17/24 4:00	1.3	233	1.2	1005
11/17/24 5:00	0.8	126	0.0	1006
11/17/24 6:00	2.1	319	4.0	1006
11/17/24 7:00	3.4	317	6.5	1006
11/17/24 8:00	4.6	329	7.8	1006
11/17/24 9:00	6.0	326	8.6	1006
11/17/24 10:00	5.9	329	10.1	1005
11/17/24 11:00	5.3	328	10.9	1004
11/17/24 12:00	5.6	322	11.0	1004
11/17/24 13:00	6.1	318	10.8	1004
11/17/24 14:00	6.0	321	9.0	1004
11/17/24 15:00	4.0	325	7.2	1005
11/17/24 16:00	3.1	330	5.5	1005
11/17/24 17:00	2.3	342	3.9	1005
11/17/24 18:00	2.9	352	3.2	1005
11/17/24 19:00	2.2	272	3.3	1004
11/17/24 20:00	2.3	209	2.5	1004
11/17/24 21:00	2.3	186	2.6	1003
11/17/24 22:00	2.3	308	2.9	1004

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/14/24 9:00 to 11/28/24 10:00)

11/17/24 23:00	1.8	228	1.8	1004
11/18/24 0:00	0.8	75	1.9	1003
11/18/24 1:00	0.2	32	1.6	1002
11/18/24 2:00	0.7	84	1.0	1001
11/18/24 3:00	1.8	180	1.9	1002
11/18/24 4:00	1.1	78	2.0	1002
11/18/24 5:00	0.6	66	2.0	1001
11/18/24 6:00	2.4	205	2.3	1002
11/18/24 7:00	0.5	85	3.3	1001
11/18/24 8:00	1.3	196	4.4	1000
11/18/24 9:00	2.0	258	6.5	999
11/18/24 10:00	3.5	293	9.0	998
11/18/24 11:00	3.4	281	9.0	998
11/18/24 12:00	4.2	309	9.0	998
11/18/24 13:00	3.9	336	9.5	998
11/18/24 14:00	5.6	334	9.6	998
11/18/24 15:00	6.1	336	9.0	998
11/18/24 16:00	6.3	321	8.2	999
11/18/24 17:00	6.1	312	8.2	999
11/18/24 18:00	6.6	323	8.0	999
11/18/24 19:00	4.2	303	7.5	999
11/18/24 20:00	3.5	303	7.0	999
11/18/24 21:00	4.9	317	7.0	999
11/18/24 22:00	3.4	303	7.0	999
11/18/24 23:00	3.7	308	7.0	999
11/19/24 0:00	3.7	303	7.0	999
11/19/24 1:00	4.6	311	7.0	999
11/19/24 2:00	4.7	311	6.3	999
11/19/24 3:00	3.8	308	6.0	999
11/19/24 4:00	3.8	309	5.8	1000
11/19/24 5:00	4.0	309	5.8	1000
11/19/24 6:00	4.3	309	6.3	1001
11/19/24 7:00	6.1	316	7.7	1001
11/19/24 8:00	9.2	320	9.1	1001
11/19/24 9:00	9.2	319	9.4	1000
11/19/24 10:00	8.5	323	10.8	1000
11/19/24 11:00	8.0	313	11.0	999
11/19/24 12:00	8.6	323	11.0	999
11/19/24 13:00	7.2	325	10.5	999
11/19/24 14:00	5.8	325	9.8	1000
11/19/24 15:00	3.7	321	8.3	1000
11/19/24 16:00	4.2	324	8.8	1000
11/19/24 17:00	3.7	320	7.6	1000
11/19/24 18:00	3.4	314	8.0	1000

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/14/24 9:00 to 11/28/24 10:00)

11/19/24 19:00	2.8	317	6.8	1000
11/19/24 20:00	2.4	322	6.7	1000
11/19/24 21:00	3.0	333	7.0	1000
11/19/24 22:00	3.4	335	7.1	1001
11/19/24 23:00	3.5	318	7.0	1001
11/20/24 0:00	3.7	330	5.4	1001
11/20/24 1:00	3.6	330	4.5	1001
11/20/24 2:00	3.0	347	5.7	1001
11/20/24 3:00	4.2	335	6.0	1001
11/20/24 4:00	4.7	337	6.9	1001
11/20/24 5:00	4.7	327	7.0	1002
11/20/24 6:00	5.2	332	7.5	1002
11/20/24 7:00	5.0	338	8.0	1002
11/20/24 8:00	4.4	248	8.7	1002
11/20/24 9:00	6.2	18	9.9	1002
11/20/24 10:00	6.1	89	10.0	1002
11/20/24 11:00	6.2	59	10.0	1002
11/20/24 12:00	5.5	54	10.3	1002
11/20/24 13:00	5.6	50	10.0	1002
11/20/24 14:00	4.7	87	10.0	1002
11/20/24 15:00	3.8	352	9.8	1003
11/20/24 16:00	3.8	220	9.1	1003
11/20/24 17:00	4.0	16	9.0	1003
11/20/24 18:00	5.4	34	8.9	1003
11/20/24 19:00	4.4	44	8.0	1004
11/20/24 20:00	4.9	41	8.0	1003
11/20/24 21:00	5.8	36	7.8	1003
11/20/24 22:00	5.6	29	7.1	1003
11/20/24 23:00	4.9	36	7.0	1002
11/21/24 0:00	4.1	24	7.0	1002
11/21/24 1:00	3.8	133	7.0	1003
11/21/24 2:00	3.8	38	7.0	1002
11/21/24 3:00	3.9	50	6.5	1002
11/21/24 4:00	5.1	26	6.0	1001
11/21/24 5:00	5.0	29	5.1	1001
11/21/24 6:00	5.2	31	5.8	1001
11/21/24 7:00	5.7	32	6.9	1000
11/21/24 8:00	6.2	46	7.7	1000
11/21/24 9:00	6.0	42	8.8	999
11/21/24 10:00	5.8	51	9.1	998
11/21/24 11:00	6.0	45	10.0	998
11/21/24 12:00	5.6	46	8.8	997
11/21/24 13:00	4.2	30	7.5	998
11/21/24 14:00	4.6	27	7.0	997

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/14/24 9:00 to 11/28/24 10:00)

11/21/24 15:00	5.2	30	7.0	997
11/21/24 16:00	5.4	32	7.0	997
11/21/24 17:00	5.7	40	7.0	997
11/21/24 18:00	5.5	49	7.0	997
11/21/24 19:00	5.5	49	6.9	997
11/21/24 20:00	6.0	45	6.0	997
11/21/24 21:00	4.6	56	6.0	997
11/21/24 22:00	5.1	46	6.0	996
11/21/24 23:00	5.4	47	6.0	995
11/22/24 0:00	6.2	50	6.0	995
11/22/24 1:00	5.6	57	6.0	995
11/22/24 2:00	4.6	53	6.0	995
11/22/24 3:00	5.2	53	6.0	995
11/22/24 4:00	5.3	62	7.0	994
11/22/24 5:00	6.0	56	7.0	994
11/22/24 6:00	3.6	75	7.1	995
11/22/24 7:00	4.6	57	7.2	995
11/22/24 8:00	4.3	62	8.0	996
11/22/24 9:00	4.1	56	8.0	996
11/22/24 10:00	4.6	52	8.1	995
11/22/24 11:00	3.5	63	8.5	995
11/22/24 12:00	3.8	89	9.0	995
11/22/24 13:00	4.5	84	9.0	995
11/22/24 14:00	4.8	59	8.7	995
11/22/24 15:00	3.8	58	8.0	996
11/22/24 16:00	3.5	58	8.0	996
11/22/24 17:00	4.3	50	8.0	996
11/22/24 18:00	4.3	38	7.8	995
11/22/24 19:00	4.8	28	7.1	995
11/22/24 20:00	4.9	28	7.0	994
11/22/24 21:00	5.2	29	7.0	993
11/22/24 22:00	4.2	29	6.9	992
11/22/24 23:00	4.6	20	6.0	991
11/23/24 0:00	5.1	16	6.0	990
11/23/24 1:00	5.1	150	6.0	989
11/23/24 2:00	5.6	255	6.0	988
11/23/24 3:00	5.6	45	6.0	987
11/23/24 4:00	6.8	185	6.0	986
11/23/24 5:00	8.0	220	6.0	985
11/23/24 6:00	8.1	220	5.8	985
11/23/24 7:00	8.2	360	5.7	984
11/23/24 8:00	9.2	360	6.0	982
11/23/24 9:00	9.1	358	6.0	982
11/23/24 10:00	9.5	350	6.0	981

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/14/24 9:00 to 11/28/24 10:00)

11/23/24 11:00	9.6	354	6.0	980
11/23/24 12:00	10.0	347	6.0	980
11/23/24 13:00	9.9	344	6.0	980
11/23/24 14:00	8.5	337	6.0	980
11/23/24 15:00	8.9	330	5.9	981
11/23/24 16:00	8.1	320	5.9	981
11/23/24 17:00	7.5	311	5.7	982
11/23/24 18:00	7.6	309	5.0	982
11/23/24 19:00	8.5	311	5.0	982
11/23/24 20:00	8.9	310	5.0	983
11/23/24 21:00	7.4	307	4.5	983
11/23/24 22:00	7.4	307	4.6	983
11/23/24 23:00	6.7	306	4.0	983
11/24/24 0:00	6.4	309	4.0	984
11/24/24 1:00	5.7	308	4.0	985
11/24/24 2:00	5.8	307	4.3	985
11/24/24 3:00	5.4	310	5.0	985
11/24/24 4:00	4.5	298	5.0	986
11/24/24 5:00	4.1	295	5.4	987
11/24/24 6:00	5.0	305	5.9	988
11/24/24 7:00	5.1	299	6.0	989
11/24/24 8:00	5.4	295	6.8	989
11/24/24 9:00	5.6	289	7.0	989
11/24/24 10:00	5.7	289	7.0	990
11/24/24 11:00	6.9	294	7.0	990
11/24/24 12:00	7.4	294	6.4	990
11/24/24 13:00	6.7	290	6.0	991
11/24/24 14:00	6.3	292	5.4	991
11/24/24 15:00	5.6	286	4.6	992
11/24/24 16:00	6.3	283	4.0	993
11/24/24 17:00	4.6	291	4.0	994
11/24/24 18:00	6.0	296	4.0	994
11/24/24 19:00	6.4	300	4.0	994
11/24/24 20:00	5.6	293	3.1	995
11/24/24 21:00	5.1	297	3.0	995
11/24/24 22:00	4.5	293	3.0	996
11/24/24 23:00	4.8	295	3.0	996
11/25/24 0:00	3.9	292	3.0	997
11/25/24 1:00	4.5	291	3.0	998
11/25/24 2:00	6.3	313	3.0	998
11/25/24 3:00	6.8	311	3.0	999
11/25/24 4:00	5.9	304	2.4	999
11/25/24 5:00	6.2	307	2.1	1000
11/25/24 6:00	5.5	303	2.1	1001

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/14/24 9:00 to 11/28/24 10:00)

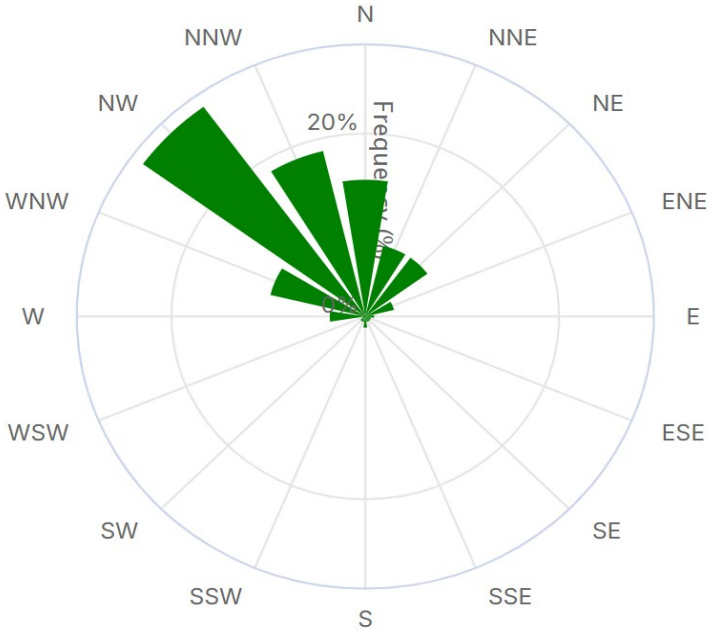
11/25/24 7:00	6.0	303	3.3	1001
11/25/24 8:00	7.8	315	4.4	1002
11/25/24 9:00	8.4	318	5.6	1002
11/25/24 10:00	7.9	316	6.0	1003
11/25/24 11:00	8.4	316	6.5	1003
11/25/24 12:00	6.9	311	5.9	1003
11/25/24 13:00	7.0	307	4.4	1004
11/25/24 14:00	7.4	312	3.8	1005
11/25/24 15:00	6.0	315	2.9	1005
11/25/24 16:00	4.8	310	2.2	1006
11/25/24 17:00	3.5	302	2.0	1007
11/25/24 18:00	2.8	295	1.9	1007
11/25/24 19:00	2.0	268	1.5	1008
11/25/24 20:00	2.5	276	1.9	1008
11/25/24 21:00	2.3	263	1.3	1008
11/25/24 22:00	2.3	269	1.6	1008
11/25/24 23:00	1.9	284	1.2	1008
11/26/24 0:00	0.6	128	1.0	1008
11/26/24 1:00	0.2	69	-0.6	1008
11/26/24 2:00	ND	ND	0.0	1008
11/26/24 3:00	ND	ND	-0.5	1008
11/26/24 4:00	0.3	46	-1.2	1008
11/26/24 5:00	0.5	67	-2.0	1008
11/26/24 6:00	0.6	71	-1.6	1008
11/26/24 7:00	0.7	103	1.1	1008
11/26/24 8:00	1.3	64	3.5	1007
11/26/24 9:00	2.8	139	4.7	1006
11/26/24 10:00	3.4	159	6.0	1005
11/26/24 11:00	3.5	189	6.0	1005
11/26/24 12:00	2.8	204	4.7	1005
11/26/24 13:00	2.5	114	4.0	1004
11/26/24 14:00	4.0	104	4.0	1003
11/26/24 15:00	1.6	85	4.0	1003
11/26/24 16:00	ND	ND	4.0	1003
11/26/24 17:00	0.6	16	4.0	1003
11/26/24 18:00	1.2	21	4.0	1003
11/26/24 19:00	0.3	8	4.0	1003
11/26/24 20:00	0.2	31	4.0	1003
11/26/24 21:00	0.7	126	4.0	1002
11/26/24 22:00	0.4	66	4.0	1002
11/26/24 23:00	0.9	149	4.0	1002
11/27/24 0:00	1.5	236	3.2	1003
11/27/24 1:00	2.0	275	3.0	1003
11/27/24 2:00	1.0	161	2.3	1003

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/14/24 9:00 to 11/28/24 10:00)

11/27/24 3:00	0.6	81	2.1	1004
11/27/24 4:00	1.2	176	1.9	1004
11/27/24 5:00	1.4	193	1.1	1004
11/27/24 6:00	0.7	77	1.0	1004
11/27/24 7:00	1.8	156	1.5	1004
11/27/24 8:00	1.8	162	2.3	1004
11/27/24 9:00	2.4	262	2.9	1004
11/27/24 10:00	2.6	276	2.0	1004
11/27/24 11:00	2.2	186	2.6	1004
11/27/24 12:00	2.3	252	3.8	1004
11/27/24 13:00	2.6	281	4.6	1004
11/27/24 14:00	1.6	265	3.8	1005
11/27/24 15:00	1.4	213	2.7	1005
11/27/24 16:00	0.6	81	0.9	1006
11/27/24 17:00	0.7	74	-0.9	1006
11/27/24 18:00	1.1	112	-1.3	1006
11/27/24 19:00	0.6	84	-2.0	1007
11/27/24 20:00	0.7	76	0.2	1007
11/27/24 21:00	0.9	120	-0.9	1007
11/27/24 22:00	0.9	94	-1.4	1007
11/27/24 23:00	ND	ND	-2.0	1007
11/28/24 0:00	ND	ND	-2.1	1007
11/28/24 1:00	0.3	14	-2.2	1008
11/28/24 2:00	ND	ND	-2.0	1007
11/28/24 3:00	1.5	138	-1.4	1007
11/28/24 4:00	1.2	141	-1.5	1007
11/28/24 5:00	0.5	51	-1.0	1007
11/28/24 6:00	0.2	20	-0.7	1007
11/28/24 7:00	ND	ND	0.9	1007
11/28/24 8:00	ND	ND	2.1	1006
11/28/24 9:00	ND	ND	3.8	1005
11/28/24 10:00	1.7	55	4.0	1004

BGR Wind Rose 11/14/24 9:00 - 11/28/24 10:00



IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
11/28/24 9:00	ND	ND	3.8	1005
11/28/24 10:00	1.7	55	4.0	1004
11/28/24 11:00	1.7	106	5.2	1003
11/28/24 12:00	2.8	85	5.4	1002
11/28/24 13:00	3.4	73	4.2	1001
11/28/24 14:00	4.7	119	3.6	1000
11/28/24 15:00	3.5	81	1.4	999
11/28/24 16:00	4.2	40	1.0	997
11/28/24 17:00	5.2	34	1.0	995
11/28/24 18:00	6.5	25	1.0	993
11/28/24 19:00	7.8	50	1.0	991
11/28/24 20:00	8.6	290	1.0	990
11/28/24 21:00	10.9	219	1.5	990
11/28/24 22:00	9.7	153	1.0	989
11/28/24 23:00	7.7	124	1.8	988
11/29/24 0:00	8.5	330	1.0	990
11/29/24 1:00	7.6	333	1.2	991
11/29/24 2:00	5.5	319	2.0	992
11/29/24 3:00	3.5	287	2.0	993
11/29/24 4:00	3.1	279	2.0	995
11/29/24 5:00	3.3	290	2.1	995
11/29/24 6:00	3.8	294	2.0	996
11/29/24 7:00	3.8	289	2.9	997
11/29/24 8:00	3.9	285	3.0	998
11/29/24 9:00	4.1	287	3.0	999
11/29/24 10:00	3.2	256	3.0	999
11/29/24 11:00	3.9	284	3.6	999
11/29/24 12:00	3.9	275	4.0	999
11/29/24 13:00	2.8	283	3.6	1000
11/29/24 14:00	0.6	105	3.3	1000
11/29/24 15:00	0.3	44	0.4	1000
11/29/24 16:00	0.8	142	-0.5	1001
11/29/24 17:00	0.9	100	-1.0	1001
11/29/24 18:00	0.6	57	-1.5	1001
11/29/24 19:00	1.4	160	-1.6	1001
11/29/24 20:00	0.8	101	-1.8	1001
11/29/24 21:00	1.6	178	-1.3	1001
11/29/24 22:00	1.8	207	-1.0	1001
11/29/24 23:00	1.6	201	-1.0	1001
11/30/24 0:00	1.0	128	-1.1	1001
11/30/24 1:00	ND	ND	-3.2	1001
11/30/24 2:00	ND	ND	-3.8	1000

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

11/30/24 3:00	0.5	76	-4.1	1000
11/30/24 4:00	0.8	113	-3.9	1000
11/30/24 5:00	1.1	177	-4.4	1001
11/30/24 6:00	1.7	248	-3.1	1001
11/30/24 7:00	1.8	191	-1.6	1001
11/30/24 8:00	2.8	231	0.6	1001
11/30/24 9:00	3.4	243	2.4	1001
11/30/24 10:00	3.8	250	3.0	1001
11/30/24 11:00	3.9	260	3.0	1001
11/30/24 12:00	3.2	251	3.2	1000
11/30/24 13:00	3.1	252	3.0	1001
11/30/24 14:00	2.5	227	3.0	1001
11/30/24 15:00	1.9	211	2.5	1001
11/30/24 16:00	2.0	214	1.9	1002
11/30/24 17:00	0.3	46	0.9	1002
11/30/24 18:00	0.7	62	-1.7	1003
11/30/24 19:00	0.5	43	-2.2	1003
11/30/24 20:00	0.6	97	-1.1	1003
11/30/24 21:00	0.5	30	-2.7	1003
11/30/24 22:00	0.6	69	-2.4	1003
11/30/24 23:00	1.9	219	-1.7	1003
12/1/24 0:00	1.7	213	-2.0	1004
12/1/24 1:00	1.9	221	-2.5	1004
12/1/24 2:00	1.5	202	-3.0	1004
12/1/24 3:00	1.7	234	-3.4	1005
12/1/24 4:00	0.2	19	-4.9	1005
12/1/24 5:00	ND	ND	-5.8	1006
12/1/24 6:00	1.3	108	-4.5	1006
12/1/24 7:00	1.8	161	-1.5	1006
12/1/24 8:00	1.1	127	0.1	1006
12/1/24 9:00	0.5	69	2.0	1006
12/1/24 10:00	1.2	128	2.9	1005
12/1/24 11:00	1.8	226	3.0	1005
12/1/24 12:00	1.5	245	3.0	1004
12/1/24 13:00	1.2	226	2.1	1004
12/1/24 14:00	2.0	166	0.9	1005
12/1/24 15:00	0.3	54	-0.5	1005
12/1/24 16:00	0.6	137	-0.7	1005
12/1/24 17:00	0.8	128	-1.5	1006
12/1/24 18:00	0.6	109	-2.5	1006
12/1/24 19:00	0.8	125	-2.7	1006
12/1/24 20:00	1.9	252	-2.7	1007
12/1/24 21:00	2.5	260	-2.9	1007
12/1/24 22:00	1.7	207	-4.2	1007

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

12/1/24 23:00	0.5	51	-5.7	1007
12/2/24 0:00	ND	ND	-6.8	1007
12/2/24 1:00	0.2	24	-7.7	1008
12/2/24 2:00	ND	ND	-7.5	1008
12/2/24 3:00	ND	ND	-8.1	1008
12/2/24 4:00	0.3	48	-8.1	1008
12/2/24 5:00	0.2	25	-8.3	1009
12/2/24 6:00	0.9	114	-7.3	1009
12/2/24 7:00	1.1	138	-4.3	1010
12/2/24 8:00	0.3	55	-1.9	1010
12/2/24 9:00	2.0	278	-1.0	1010
12/2/24 10:00	ND	ND	-1.0	1009
12/2/24 11:00	ND	ND	-0.1	1009
12/2/24 12:00	1.4	182	0.9	1009
12/2/24 13:00	1.1	179	0.8	1009
12/2/24 14:00	1.2	189	-0.5	1009
12/2/24 15:00	1.4	209	-1.5	1010
12/2/24 16:00	2.3	310	-2.0	1010
12/2/24 17:00	2.1	321	-2.6	1011
12/2/24 18:00	1.6	274	-3.0	1011
12/2/24 19:00	2.6	307	-3.0	1011
12/2/24 20:00	1.6	264	-3.8	1011
12/2/24 21:00	1.6	253	-3.0	1011
12/2/24 22:00	1.2	189	-3.0	1011
12/2/24 23:00	2.7	283	-3.0	1011
12/3/24 0:00	3.0	295	-3.5	1011
12/3/24 1:00	2.4	280	-4.1	1011
12/3/24 2:00	2.3	264	-4.7	1011
12/3/24 3:00	0.6	101	-4.9	1011
12/3/24 4:00	2.3	258	-4.0	1011
12/3/24 5:00	2.3	265	-3.8	1012
12/3/24 6:00	2.1	269	-3.2	1012
12/3/24 7:00	1.9	285	-2.9	1012
12/3/24 8:00	2.4	305	-1.9	1013
12/3/24 9:00	3.9	315	-0.9	1012
12/3/24 10:00	4.6	325	-0.7	1012
12/3/24 11:00	4.3	327	-0.8	1012
12/3/24 12:00	3.9	315	-1.0	1011
12/3/24 13:00	3.0	315	-0.6	1012
12/3/24 14:00	3.0	308	-1.0	1012
12/3/24 15:00	0.9	147	-1.0	1012
12/3/24 16:00	1.7	300	-1.4	1013
12/3/24 17:00	1.8	278	-2.9	1013
12/3/24 18:00	0.6	120	-3.3	1014

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

12/3/24 19:00	1.7	274	-2.9	1014
12/3/24 20:00	1.5	285	-5.1	1014
12/3/24 21:00	0.3	48	-6.5	1014
12/3/24 22:00	ND	ND	-7.2	1014
12/3/24 23:00	ND	ND	-7.9	1014
12/4/24 0:00	ND	ND	-8.8	1014
12/4/24 1:00	ND	ND	-9.0	1014
12/4/24 2:00	ND	ND	-9.8	1014
12/4/24 3:00	ND	ND	-9.8	1015
12/4/24 4:00	ND	ND	-10.8	1015
12/4/24 5:00	ND	ND	-10.4	1015
12/4/24 6:00	ND	ND	-9.3	1015
12/4/24 7:00	ND	ND	-6.9	1015
12/4/24 8:00	0.3	54	-5.0	1015
12/4/24 9:00	ND	ND	-3.3	1015
12/4/24 10:00	0.2	14	-1.6	1014
12/4/24 11:00	0.7	69	-1.3	1013
12/4/24 12:00	2.1	156	-0.8	1012
12/4/24 13:00	3.3	180	-0.3	1012
12/4/24 14:00	2.9	164	-1.0	1011
12/4/24 15:00	2.5	148	-2.6	1011
12/4/24 16:00	3.2	145	-2.0	1010
12/4/24 17:00	3.1	146	-2.0	1010
12/4/24 18:00	3.3	134	-1.6	1009
12/4/24 19:00	3.6	159	-0.7	1008
12/4/24 20:00	3.8	140	-0.9	1007
12/4/24 21:00	4.3	135	0.3	1005
12/4/24 22:00	4.9	141	1.0	1004
12/4/24 23:00	4.7	139	1.0	1003
12/5/24 0:00	5.2	139	1.2	1001
12/5/24 1:00	5.2	141	1.4	999
12/5/24 2:00	6.2	136	2.0	996
12/5/24 3:00	5.6	136	2.1	995
12/5/24 4:00	6.3	145	2.8	993
12/5/24 5:00	6.4	149	3.1	991
12/5/24 6:00	5.5	166	2.9	990
12/5/24 7:00	2.9	209	1.8	989
12/5/24 8:00	3.4	196	1.9	989
12/5/24 9:00	3.4	213	2.0	988
12/5/24 10:00	3.8	216	2.0	987
12/5/24 11:00	2.6	179	2.2	986
12/5/24 12:00	1.9	229	2.3	985
12/5/24 13:00	1.4	286	2.0	985
12/5/24 14:00	1.8	236	1.4	985

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

12/5/24 15:00	2.2	240	1.0	986
12/5/24 16:00	2.2	257	0.9	986
12/5/24 17:00	2.5	257	1.0	986
12/5/24 18:00	2.4	245	1.0	986
12/5/24 19:00	2.6	226	0.6	986
12/5/24 20:00	2.8	241	1.0	986
12/5/24 21:00	3.5	273	0.9	986
12/5/24 22:00	3.1	282	0.9	987
12/5/24 23:00	2.6	168	0.3	987
12/6/24 0:00	4.7	275	-0.9	988
12/6/24 1:00	4.8	270	-1.0	989
12/6/24 2:00	5.0	271	-1.0	990
12/6/24 3:00	3.7	278	-2.0	991
12/6/24 4:00	6.7	276	-2.0	992
12/6/24 5:00	7.0	281	-2.7	994
12/6/24 6:00	5.8	284	-3.5	995
12/6/24 7:00	6.4	284	-4.0	997
12/6/24 8:00	6.5	293	-3.9	998
12/6/24 9:00	7.9	296	-4.0	999
12/6/24 10:00	7.4	293	-3.8	999
12/6/24 11:00	6.8	293	-3.8	1000
12/6/24 12:00	7.4	297	-4.0	1000
12/6/24 13:00	7.1	306	-4.0	1001
12/6/24 14:00	6.7	309	-4.1	1002
12/6/24 15:00	5.4	296	-5.3	1003
12/6/24 16:00	4.3	290	-6.1	1004
12/6/24 17:00	4.3	287	-6.2	1005
12/6/24 18:00	3.5	288	-7.0	1005
12/6/24 19:00	3.2	282	-7.1	1006
12/6/24 20:00	4.3	284	-7.6	1006
12/6/24 21:00	2.1	246	-8.5	1006
12/6/24 22:00	1.1	141	-9.0	1006
12/6/24 23:00	ND	ND	-10.8	1006
12/7/24 0:00	0.2	59	-11.0	1006
12/7/24 1:00	2.3	268	-9.7	1007
12/7/24 2:00	2.2	250	-10.2	1007
12/7/24 3:00	2.3	256	-10.3	1007
12/7/24 4:00	2.3	259	-9.1	1008
12/7/24 5:00	1.0	164	-9.0	1008
12/7/24 6:00	1.7	250	-9.0	1009
12/7/24 7:00	2.7	267	-8.2	1009
12/7/24 8:00	3.6	283	-7.0	1009
12/7/24 9:00	4.5	301	-6.0	1009
12/7/24 10:00	4.2	289	-5.7	1009

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

12/7/24 11:00	4.2	286	-4.5	1008
12/7/24 12:00	4.6	290	-4.0	1008
12/7/24 13:00	3.1	303	-4.0	1009
12/7/24 14:00	1.9	223	-4.8	1009
12/7/24 15:00	0.5	89	-6.4	1009
12/7/24 16:00	0.3	45	-8.7	1009
12/7/24 17:00	0.2	15	-10.2	1010
12/7/24 18:00	ND	ND	-10.8	1010
12/7/24 19:00	ND	ND	-11.5	1009
12/7/24 20:00	ND	ND	-11.3	1009
12/7/24 21:00	ND	ND	-10.9	1008
12/7/24 22:00	0.2	13	-9.8	1008
12/7/24 23:00	ND	ND	-8.6	1007
12/8/24 0:00	ND	ND	-7.5	1006
12/8/24 1:00	ND	ND	-6.8	1005
12/8/24 2:00	1.1	63	-5.4	1003
12/8/24 3:00	2.2	102	-4.5	1001
12/8/24 4:00	1.4	68	-3.6	999
12/8/24 5:00	2.2	112	-2.5	998
12/8/24 6:00	0.8	101	-1.5	996
12/8/24 7:00	1.0	149	-1.0	996
12/8/24 8:00	1.3	200	-0.9	995
12/8/24 9:00	1.5	127	-0.6	995
12/8/24 10:00	2.8	227	0.8	994
12/8/24 11:00	1.0	127	0.9	994
12/8/24 12:00	1.5	174	1.0	994
12/8/24 13:00	1.6	221	1.0	994
12/8/24 14:00	0.5	60	0.9	995
12/8/24 15:00	ND	ND	0.3	996
12/8/24 16:00	0.2	37	1.0	997
12/8/24 17:00	0.5	61	1.1	999
12/8/24 18:00	0.5	80	0.1	1000
12/8/24 19:00	2.9	291	1.0	1001
12/8/24 20:00	4.3	298	0.6	1003
12/8/24 21:00	4.2	293	-0.5	1004
12/8/24 22:00	4.2	296	-1.0	1005
12/8/24 23:00	4.1	303	-1.1	1007
12/9/24 0:00	4.2	332	-2.0	1008
12/9/24 1:00	1.4	196	-3.2	1009
12/9/24 2:00	2.5	335	-6.3	1009
12/9/24 3:00	4.4	334	-4.7	1009
12/9/24 4:00	3.2	337	-4.2	1011
12/9/24 5:00	3.5	336	-3.9	1011
12/9/24 6:00	3.4	325	-4.0	1012

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

12/9/24 7:00	2.2	320	-4.7	1014
12/9/24 8:00	1.4	262	-4.8	1015
12/9/24 9:00	1.0	117	-3.6	1015
12/9/24 10:00	2.1	220	-3.0	1015
12/9/24 11:00	2.1	165	-2.5	1015
12/9/24 12:00	3.2	47	-2.8	1015
12/9/24 13:00	3.6	48	-3.0	1016
12/9/24 14:00	3.7	50	-3.0	1016
12/9/24 15:00	2.8	50	-3.0	1017
12/9/24 16:00	2.9	41	-3.2	1017
12/9/24 17:00	2.7	41	-4.0	1018
12/9/24 18:00	3.5	42	-4.0	1017
12/9/24 19:00	4.2	39	-4.0	1017
12/9/24 20:00	4.2	41	-4.0	1018
12/9/24 21:00	4.1	48	-5.4	1017
12/9/24 22:00	4.7	52	-5.9	1017
12/9/24 23:00	3.7	38	-6.0	1017
12/10/24 0:00	3.9	32	-6.1	1018
12/10/24 1:00	4.2	30	-6.0	1017
12/10/24 2:00	4.6	32	-6.0	1017
12/10/24 3:00	3.9	28	-6.0	1017
12/10/24 4:00	3.7	23	-6.0	1017
12/10/24 5:00	3.6	22	-6.0	1017
12/10/24 6:00	3.7	14	-5.9	1017
12/10/24 7:00	3.6	80	-5.9	1017
12/10/24 8:00	3.2	154	-4.7	1017
12/10/24 9:00	3.7	281	-4.1	1017
12/10/24 10:00	3.3	183	-4.0	1017
12/10/24 11:00	3.2	285	-4.0	1016
12/10/24 12:00	3.5	250	-4.0	1016
12/10/24 13:00	3.3	115	-3.9	1016
12/10/24 14:00	2.9	282	-3.3	1016
12/10/24 15:00	3.0	151	-3.0	1016
12/10/24 16:00	2.5	179	-3.0	1016
12/10/24 17:00	2.1	242	-2.9	1016
12/10/24 18:00	2.0	213	-3.0	1016
12/10/24 19:00	1.1	206	-3.0	1015
12/10/24 20:00	2.3	83	-2.3	1015
12/10/24 21:00	1.9	87	-2.0	1015
12/10/24 22:00	1.5	20	-2.0	1014
12/10/24 23:00	1.8	116	-2.0	1013
12/11/24 0:00	1.0	28	-1.4	1012
12/11/24 1:00	1.6	217	-1.0	1011
12/11/24 2:00	1.4	240	-1.0	1011

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

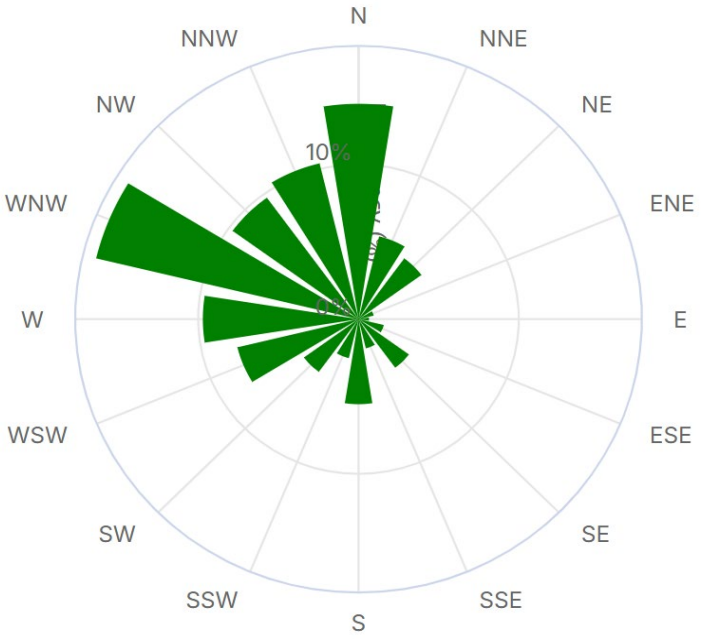
12/11/24 3:00	1.3	137	-0.3	1010
12/11/24 4:00	0.2	3	0.7	1010
12/11/24 5:00	2.3	59	2.0	1009
12/11/24 6:00	1.4	271	1.0	1008
12/11/24 7:00	0.2	33	1.0	1008
12/11/24 8:00	1.0	143	1.0	1007
12/11/24 9:00	0.2	1	1.0	1005
12/11/24 10:00	0.2	35	1.0	1003
12/11/24 11:00	1.1	73	2.1	1002
12/11/24 12:00	2.7	121	4.0	1000
12/11/24 13:00	5.4	156	9.6	998
12/11/24 14:00	7.9	178	11.4	997
12/11/24 15:00	10.0	180	12.1	996
12/11/24 16:00	9.6	183	13.1	995
12/11/24 17:00	10.0	185	13.8	994
12/11/24 18:00	11.2	186	14.1	993
12/11/24 19:00	11.8	172	14.2	991
12/11/24 20:00	12.2	178	14.4	990
12/11/24 21:00	12.4	176	14.4	989
12/11/24 22:00	12.6	173	15.0	987
12/11/24 23:00	12.7	180	14.4	986
12/12/24 0:00	9.0	182	13.0	986
12/12/24 1:00	9.1	170	12.0	986
12/12/24 2:00	8.0	180	12.0	986
12/12/24 3:00	6.6	295	7.4	989
12/12/24 4:00	2.8	286	5.1	991
12/12/24 5:00	3.7	275	4.0	994
12/12/24 6:00	3.3	259	3.7	996
12/12/24 7:00	4.4	260	3.1	999
12/12/24 8:00	6.1	255	4.0	1000
12/12/24 9:00	4.8	256	4.0	1002
12/12/24 10:00	5.1	251	5.0	1002
11/26/24 22:00	1.5	20	-2.0	1014
11/26/24 23:00	1.8	116	-2.0	1013
11/27/24 0:00	1.0	28	-1.4	1012
11/27/24 1:00	1.6	217	-1.0	1011
11/27/24 2:00	1.4	240	-1.0	1011
11/27/24 3:00	1.3	137	-0.3	1010
11/27/24 4:00	0.2	3	0.7	1010
11/27/24 5:00	2.3	59	2.0	1009
11/27/24 6:00	1.4	271	1.0	1008
11/27/24 7:00	0.2	33	1.0	1008
11/27/24 8:00	1.0	143	1.0	1007
11/27/24 9:00	0.2	1	1.0	1005

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (11/28/24 9:00 to 12/12/24 10:00)

11/27/24 10:00	0.2	35	1.0	1003
11/27/24 11:00	1.1	73	2.1	1002
11/27/24 12:00	2.7	121	4.0	1000
11/27/24 13:00	5.4	156	9.6	998
11/27/24 14:00	7.9	178	11.4	997
11/27/24 15:00	10.0	180	12.1	996
11/27/24 16:00	9.6	183	13.1	995
11/27/24 17:00	10.0	185	13.8	994
11/27/24 18:00	11.2	186	14.1	993
11/27/24 19:00	11.8	172	14.2	991
11/27/24 20:00	12.2	178	14.4	990
11/27/24 21:00	12.4	176	14.4	989
11/27/24 22:00	12.6	173	15.0	987
11/27/24 23:00	12.7	180	14.4	986
11/28/24 0:00	9.0	182	13.0	986
11/28/24 1:00	9.1	170	12.0	986
11/28/24 2:00	8.0	180	12.0	986
11/28/24 3:00	6.6	295	7.4	989
11/28/24 4:00	2.8	286	5.1	991
11/28/24 5:00	3.7	275	4.0	994
11/28/24 6:00	3.3	259	3.7	996
11/28/24 7:00	4.4	260	3.1	999
11/28/24 8:00	6.1	255	4.0	1000
11/28/24 9:00	4.8	256	4.0	1002
11/28/24 10:00	5.1	251	5.0	1002

BGR Wind Rose 11/28/24 9:00 - 12/12/24 10:00



IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (12/12/24 9:00 to 12/26/24 10:00)

Date & Time	Wind Speed	Wind Direction	Temperature	Barometric Pressure
	m/s	Deg.	°C	mb
12/12/24 9:00	4.8	256.0	4.0	1002
12/12/24 10:00	5.1	251	5.0	1002
12/12/24 11:00	5.2	235	4.8	1003
12/12/24 12:00	4.2	257	3.7	1003
12/12/24 13:00	5.2	231	4.0	1004
12/12/24 14:00	4.2	242	3.2	1005
12/12/24 15:00	3.9	232	2.8	1007
12/12/24 16:00	3.0	225	2.0	1008
12/12/24 17:00	4.1	251	1.6	1010
12/12/24 18:00	3.6	266	0.9	1012
12/12/24 19:00	3.7	286	0.0	1013
12/12/24 20:00	3.1	286	-1.2	1014
12/12/24 21:00	3.9	274	-2.0	1015
12/12/24 22:00	4.1	276	-2.3	1016
12/12/24 23:00	3.2	264	-3.0	1017
12/13/24 0:00	2.9	248	-3.1	1018
12/13/24 1:00	2.0	236	-3.9	1018
12/13/24 2:00	0.6	98	-4.0	1019
12/13/24 3:00	1.6	204	-4.0	1019
12/13/24 4:00	2.5	257	-4.1	1020
12/13/24 5:00	1.8	181	-4.2	1021
12/13/24 6:00	2.0	294	-5.2	1022
12/13/24 7:00	2.8	314	-4.0	1024
12/13/24 8:00	3.6	303	-3.2	1024
12/13/24 9:00	3.7	303	-2.2	1024
12/13/24 10:00	4.0	286	-1.7	1024
12/13/24 11:00	4.6	280	-1.0	1024
12/13/24 12:00	4.9	273	-1.1	1024
12/13/24 13:00	4.3	272	-1.3	1025
12/13/24 14:00	3.9	295	-2.0	1026
12/13/24 15:00	4.3	299	-3.0	1027
12/13/24 16:00	4.2	294	-3.6	1028
12/13/24 17:00	3.9	296	-4.1	1029
12/13/24 18:00	1.9	237	-5.4	1030
12/13/24 19:00	3.5	296	-5.7	1031
12/13/24 20:00	2.9	294	-6.0	1031
12/13/24 21:00	2.6	294	-6.3	1032
12/13/24 22:00	1.6	227	-7.0	1033
12/13/24 23:00	0.9	133	-8.2	1033
12/14/24 0:00	0.7	108	-7.9	1033
12/14/24 1:00	1.7	200.0	-7.6	1034

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (12/12/24 9:00 to 12/26/24 10:00)

12/14/24 2:00	2.6	292.0	-7.5	1034
12/14/24 3:00	2.9	295	-8.0	1035
12/14/24 4:00	0.9	197	-8.0	1035
12/14/24 5:00	0.3	46	-8.8	1036
12/14/24 6:00	0.5	78	-8.4	1037
12/14/24 7:00	1.5	178	-7.2	1037
12/14/24 8:00	3.9	299	-6.1	1038
12/14/24 9:00	4.6	306	-4.4	1037
12/14/24 10:00	4.6	312	-3.3	1037
12/14/24 11:00	6.3	319	-2.3	1036
12/14/24 12:00	5.0	312	-1.9	1036
12/14/24 13:00	4.5	313	-2.0	1036
12/14/24 14:00	3.5	316	-2.8	1037
12/14/24 15:00	2.4	316	-4.1	1037
12/14/24 16:00	2.4	324	-5.9	1038
12/14/24 17:00	3.7	330	-6.0	1038
12/14/24 18:00	4.2	317	-6.2	1039
12/14/24 19:00	3.3	319	-7.0	1039
12/14/24 20:00	3.4	303	-7.2	1039
12/14/24 21:00	2.2	314	-8.4	1039
12/14/24 22:00	1.3	191	-8.9	1039
12/14/24 23:00	0.9	157	-10.5	1039
12/15/24 0:00	1.6	300	-10.4	1039
12/15/24 1:00	0.7	109	-11.1	1039
12/15/24 2:00	0.8	151	-11.8	1039
12/15/24 3:00	0.8	173	-12.0	1038
12/15/24 4:00	ND	ND	-12.2	1038
12/15/24 5:00	ND	ND	-12.8	1039
12/15/24 6:00	ND	ND	-12.2	1038
12/15/24 7:00	0.8	151	-9.7	1038
12/15/24 8:00	1.1	199	-7.6	1038
12/15/24 9:00	0.7	46	-6.3	1037
12/15/24 10:00	0.5	101	-4.5	1037
12/15/24 11:00	0.3	13	-3.2	1036
12/15/24 12:00	0.7	65	-2.2	1035
12/15/24 13:00	0.7	129	-2.0	1035
12/15/24 14:00	0.9	74	-3.3	1034
12/15/24 15:00	0.2	15	-5.7	1034
12/15/24 16:00	ND	ND	-6.9	1034
12/15/24 17:00	ND	ND	-7.0	1033
12/15/24 18:00	0.3	46	-7.3	1033
12/15/24 19:00	ND	ND	-7.0	1033
12/15/24 20:00	ND	ND	-7.0	1032
12/15/24 21:00	0.7	71	-6.7	1032

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (12/12/24 9:00 to 12/26/24 10:00)

12/15/24 22:00	1.0	101	-6.1	1031
12/15/24 23:00	ND	ND	-6.0	1030
12/16/24 0:00	0.5	46	-6.5	1029
12/16/24 1:00	0.5	93	-6.4	1029
12/16/24 2:00	1.0	105	-7.1	1029
12/16/24 3:00	2.0	179	-6.1	1028
12/16/24 4:00	0.5	61	-5.9	1028
12/16/24 5:00	1.8	189	-5.6	1027
12/16/24 6:00	0.7	66	-5.4	1027
12/16/24 7:00	ND	ND	-3.4	1027
12/16/24 8:00	0.5	58	-1.5	1027
12/16/24 9:00	2.1	169	0.7	1026
12/16/24 10:00	2.8	187	2.2	1026
12/16/24 11:00	3.3	191	3.6	1025
12/16/24 12:00	4.7	197	4.6	1024
12/16/24 13:00	5.1	194	4.1	1024
12/16/24 14:00	3.9	199	3.9	1023
12/16/24 15:00	2.7	200	3.3	1024
12/16/24 16:00	0.9	93	2.7	1023
12/16/24 17:00	1.5	146	2.5	1023
12/16/24 18:00	1.9	154	2.7	1023
12/16/24 19:00	2.5	165	2.3	1022
12/16/24 20:00	1.9	180	2.0	1021
12/16/24 21:00	2.5	176	1.9	1020
12/16/24 22:00	4.0	172	3.0	1019
12/16/24 23:00	3.8	158	3.1	1018
12/17/24 0:00	4.3	146	4.0	1016
12/17/24 1:00	5.9	154	5.2	1014
12/17/24 2:00	6.8	151	6.2	1012
12/17/24 3:00	6.8	158	7.1	1010
12/17/24 4:00	7.1	166	8.2	1007
12/17/24 5:00	8.4	178	9.1	1006
12/17/24 6:00	8.7	185	9.0	1005
12/17/24 7:00	6.1	184	9.3	1004
12/17/24 8:00	3.8	209	10.5	1005
12/17/24 9:00	5.0	221	11.7	1004
12/17/24 10:00	5.5	216	12.4	1004
12/17/24 11:00	5.8	218	13.0	1004
12/17/24 12:00	5.0	231	13.4	1004
12/17/24 13:00	4.2	235	13.0	1004
12/17/24 14:00	4.1	234	12.4	1005
12/17/24 15:00	3.6	243	11.0	1005
12/17/24 16:00	2.7	270	9.2	1006
12/17/24 17:00	1.8	198	8.4	1008

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (12/12/24 9:00 to 12/26/24 10:00)

12/17/24 18:00	2.3	284	7.6	1009
12/17/24 19:00	2.3	264	6.7	1009
12/17/24 20:00	1.3	219	6.6	1010
12/17/24 21:00	2.0	216	6.1	1010
12/17/24 22:00	2.7	233	6.7	1010
12/17/24 23:00	2.5	241	7.0	1011
12/18/24 0:00	3.1	254	6.6	1011
12/18/24 1:00	1.4	214	5.3	1012
12/18/24 2:00	1.8	220	4.4	1012
12/18/24 3:00	1.5	165	2.6	1012
12/18/24 4:00	1.5	204	2.7	1013
12/18/24 5:00	1.5	186	2.4	1014
12/18/24 6:00	2.0	217	2.9	1014
12/18/24 7:00	3.3	218	5.0	1014
12/18/24 8:00	3.9	230	6.7	1014
12/18/24 9:00	4.6	248	7.0	1014
12/18/24 10:00	3.4	251	7.0	1013
12/18/24 11:00	3.6	238	7.2	1013
12/18/24 12:00	3.7	230	7.4	1012
12/18/24 13:00	3.0	220	7.2	1012
12/18/24 14:00	2.5	202	6.4	1012
12/18/24 15:00	2.8	184	5.4	1011
12/18/24 16:00	3.2	170	4.8	1011
12/18/24 17:00	2.8	186	4.4	1011
12/18/24 18:00	2.9	187	4.0	1011
12/18/24 19:00	1.3	97	4.0	1010
12/18/24 20:00	2.6	160	4.0	1008
12/18/24 21:00	3.6	186	3.4	1008
12/18/24 22:00	4.2	199	3.0	1008
12/18/24 23:00	1.8	216	2.2	1007
12/19/24 0:00	0.2	28	0.9	1006
12/19/24 1:00	ND	ND	0.9	1006
12/19/24 2:00	ND	ND	0.9	1006
12/19/24 3:00	ND	ND	0.9	1005
12/19/24 4:00	ND	ND	0.9	1006
12/19/24 5:00	1.2	197	0.9	1006
12/19/24 6:00	2.0	290	1.0	1007
12/19/24 7:00	1.0	133	1.2	1008
12/19/24 8:00	2.8	281	2.6	1009
12/19/24 9:00	4.1	289	3.3	1009
12/19/24 10:00	7.4	304	3.2	1010
12/19/24 11:00	8.8	315	2.9	1010
12/19/24 12:00	8.3	310	2.2	1011
12/19/24 13:00	5.0	304	1.8	1013

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (12/12/24 9:00 to 12/26/24 10:00)

12/19/24 14:00	5.7	322	0.8	1014
12/19/24 15:00	7.7	317	-0.7	1016
12/19/24 16:00	7.3	318	-2.0	1017
12/19/24 17:00	7.1	323	-3.0	1019
12/19/24 18:00	5.9	332	-4.0	1020
12/19/24 19:00	4.4	321	-4.8	1020
12/19/24 20:00	3.4	332	-6.0	1020
12/19/24 21:00	3.8	342	-6.0	1020
12/19/24 22:00	4.7	336	-6.0	1020
12/19/24 23:00	3.9	340	-6.0	1020
12/20/24 0:00	2.0	270	-6.1	1021
12/20/24 1:00	2.0	337	-6.7	1021
12/20/24 2:00	2.6	56	-6.0	1020
12/20/24 3:00	3.1	59	-6.0	1020
12/20/24 4:00	3.8	52	-6.0	1020
12/20/24 5:00	3.8	44	-6.1	1020
12/20/24 6:00	2.5	55	-6.9	1021
12/20/24 7:00	3.1	29	-6.0	1021
12/20/24 8:00	3.2	39	-5.9	1021
12/20/24 9:00	3.4	43	-4.9	1020
12/20/24 10:00	3.7	36	-4.3	1018
12/20/24 11:00	3.8	26	-4.0	1017
12/20/24 12:00	5.1	30	-4.0	1015
12/20/24 13:00	4.6	38	-4.0	1015
12/20/24 14:00	3.7	27	-4.0	1014
12/20/24 15:00	4.0	152	-4.0	1014
12/20/24 16:00	4.2	15	-4.6	1014
12/20/24 17:00	5.2	15	-5.3	1013
12/20/24 18:00	5.1	14	-6.0	1013
12/20/24 19:00	5.2	85	-6.0	1012
12/20/24 20:00	6.4	16	-6.2	1010
12/20/24 21:00	6.5	47	-6.8	1008
12/20/24 22:00	6.0	11	-7.0	1005
12/20/24 23:00	5.1	153	-6.9	1005
12/21/24 0:00	5.6	325	-7.0	1004
12/21/24 1:00	6.2	345	-7.0	1004
12/21/24 2:00	6.6	343	-6.5	1003
12/21/24 3:00	6.1	342	-6.0	1003
12/21/24 4:00	5.7	334	-6.0	1002
12/21/24 5:00	4.6	322	-6.2	1002
12/21/24 6:00	3.6	308	-7.0	1002
12/21/24 7:00	3.9	314	-6.4	1002
12/21/24 8:00	3.6	307	-6.0	1002
12/21/24 9:00	4.5	319	-5.9	1002

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (12/12/24 9:00 to 12/26/24 10:00)

12/21/24 10:00	4.6	315	-4.9	1001
12/21/24 11:00	5.7	309	-5.0	1001
12/21/24 12:00	6.3	312	-5.4	1001
12/21/24 13:00	6.4	312	-5.9	1002
12/21/24 14:00	5.8	311	-6.0	1003
12/21/24 15:00	5.4	309	-6.5	1004
12/21/24 16:00	5.3	309	-6.9	1005
12/21/24 17:00	5.4	307	-7.0	1006
12/21/24 18:00	6.1	309	-7.5	1006
12/21/24 19:00	7.1	312	-8.3	1007
12/21/24 20:00	5.9	309	-9.0	1008
12/21/24 21:00	4.3	301	-9.7	1008
12/21/24 22:00	5.5	302	-10.8	1009
12/21/24 23:00	6.0	307	-11.7	1009
12/22/24 0:00	5.0	307	-12.3	1010
12/22/24 1:00	5.7	309	-13.0	1011
12/22/24 2:00	5.1	307	-13.7	1011
12/22/24 3:00	4.9	309	-14.0	1012
12/22/24 4:00	4.8	302	-14.0	1014
12/22/24 5:00	4.9	309	-14.1	1015
12/22/24 6:00	5.0	309	-14.1	1016
12/22/24 7:00	5.1	311	-14.0	1017
12/22/24 8:00	7.5	318	-13.2	1018
12/22/24 9:00	7.8	318	-12.2	1018
12/22/24 10:00	7.0	313	-10.9	1017
12/22/24 11:00	8.0	315	-9.6	1017
12/22/24 12:00	7.5	332	-8.7	1018
12/22/24 13:00	7.8	342	-8.1	1019
12/22/24 14:00	7.1	322	-8.9	1020
12/22/24 15:00	4.9	309	-10.1	1021
12/22/24 16:00	4.2	307	-11.0	1022
12/22/24 17:00	5.3	311	-11.0	1023
12/22/24 18:00	4.9	309	-11.0	1024
12/22/24 19:00	4.3	307	-11.2	1024
12/22/24 20:00	3.7	296	-12.0	1025
12/22/24 21:00	3.1	297	-12.0	1025
12/22/24 22:00	3.3	302	-12.6	1026
12/22/24 23:00	1.6	207	-14.6	1026
12/23/24 0:00	2.2	254	-13.9	1027
12/23/24 1:00	1.2	161	-14.6	1027
12/23/24 2:00	2.6	280	-14.2	1027
12/23/24 3:00	2.8	271	-14.5	1027
12/23/24 4:00	2.6	268	-14.9	1028
12/23/24 5:00	1.0	136	-15.7	1028

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (12/12/24 9:00 to 12/26/24 10:00)

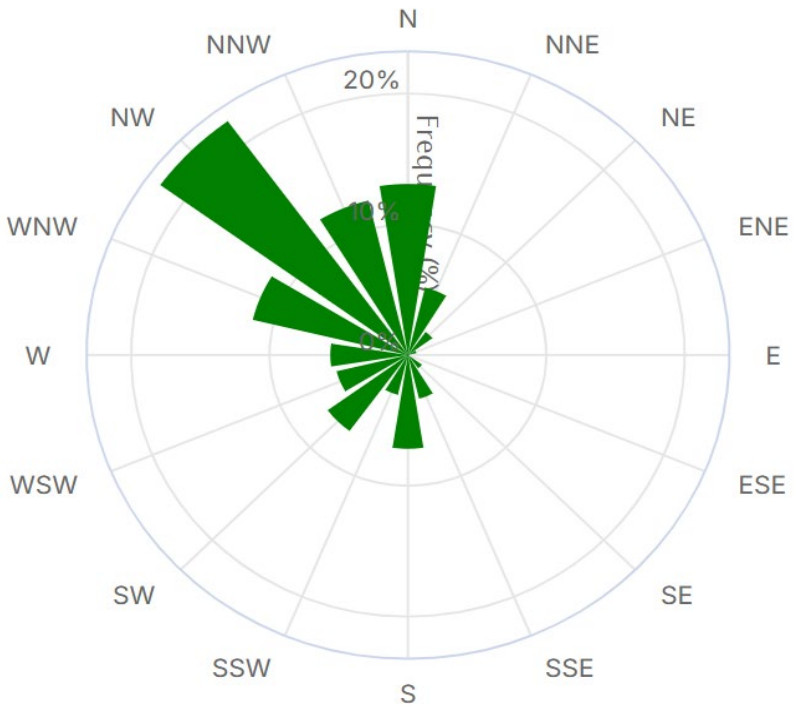
12/23/24 6:00	ND	ND	-16.9	1028
12/23/24 7:00	0.2	31	-14.1	1029
12/23/24 8:00	2.8	310	-11.6	1029
12/23/24 9:00	3.2	306	-10.3	1029
12/23/24 10:00	2.4	284	-9.1	1028
12/23/24 11:00	2.0	281	-8.3	1028
12/23/24 12:00	1.3	249	-7.1	1027
12/23/24 13:00	1.3	147	-7.0	1027
12/23/24 14:00	2.2	228	-7.0	1027
12/23/24 15:00	0.2	24	-7.3	1026
12/23/24 16:00	0.9	119	-7.4	1026
12/23/24 17:00	2.0	194	-7.0	1026
12/23/24 18:00	1.8	169	-7.4	1026
12/23/24 19:00	1.6	149	-7.0	1025
12/23/24 20:00	0.9	108	-7.0	1024
12/23/24 21:00	1.9	151	-7.0	1023
12/23/24 22:00	1.0	97	-6.9	1023
12/23/24 23:00	1.1	114	-6.0	1022
12/24/24 0:00	2.1	182	-6.3	1021
12/24/24 1:00	2.8	176	-6.1	1020
12/24/24 2:00	3.5	184	-5.9	1019
12/24/24 3:00	3.1	194	-5.4	1018
12/24/24 4:00	1.5	170	-4.3	1017
12/24/24 5:00	1.1	184	-4.0	1016
12/24/24 6:00	2.5	255	-4.0	1016
12/24/24 7:00	3.1	259	-4.0	1016
12/24/24 8:00	1.8	241	-4.0	1016
12/24/24 9:00	3.2	296	-4.2	1015
12/24/24 10:00	4.4	328	-4.9	1014
12/24/24 11:00	4.0	349	-4.4	1014
12/24/24 12:00	4.9	285	-4.0	1014
12/24/24 13:00	4.7	252	-4.0	1015
12/24/24 14:00	4.6	185	-4.0	1015
12/24/24 15:00	3.9	52	-4.0	1016
12/24/24 16:00	5.1	184	-4.5	1017
12/24/24 17:00	5.6	151	-5.7	1018
12/24/24 18:00	7.2	13	-6.6	1018
12/24/24 19:00	6.4	166	-7.0	1019
12/24/24 20:00	5.6	358	-7.6	1019
12/24/24 21:00	5.1	290	-8.0	1019
12/24/24 22:00	4.3	254	-8.9	1018
12/24/24 23:00	4.1	343	-10.4	1018
12/25/24 0:00	2.9	350	-12.4	1019
12/25/24 1:00	3.3	335	-13.0	1019

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Bangor International Airport (BGR) Meteorological Data (12/12/24 9:00 to 12/26/24 10:00)

12/25/24 2:00	2.8	318	-13.1	1019
12/25/24 3:00	2.8	313	-12.9	1020
12/25/24 4:00	4.3	324	-10.0	1020
12/25/24 5:00	4.8	339	-9.0	1020
12/25/24 6:00	4.3	328	-9.0	1021
12/25/24 7:00	4.7	342	-8.5	1021
12/25/24 8:00	4.9	318	-7.4	1021
12/25/24 9:00	5.8	219	-6.3	1021
12/25/24 10:00	5.8	219	-5.5	1021
12/25/24 11:00	5.3	322	-4.0	1021
12/25/24 12:00	5.5	255	-4.0	1021
12/25/24 13:00	5.1	185	-3.7	1021
12/25/24 14:00	4.4	12	-4.0	1021
12/25/24 15:00	4.2	13	-4.1	1022
12/25/24 16:00	4.7	150	-4.0	1022
12/25/24 17:00	4.1	16	-4.1	1022
12/25/24 18:00	2.2	176	-6.6	1023
12/25/24 19:00	1.9	329	-11.0	1023
12/25/24 20:00	1.1	198	-8.6	1023
12/25/24 21:00	1.8	336	-6.8	1023
12/25/24 22:00	2.3	350	-6.0	1023
12/25/24 23:00	2.6	351	-6.0	1023
12/26/24 0:00	ND	ND	ND	ND
12/26/24 1:00	4.1	10	-6.1	1023
12/26/24 2:00	3.6	355	-6.9	1023
12/26/24 3:00	3.1	350	-7.1	1023
12/26/24 4:00	ND	ND	-12.1	1024
12/26/24 5:00	1.5	330	-13.8	1025
12/26/24 6:00	ND	ND	-13.2	1024
12/26/24 7:00	2.6	330	-10.3	1025
12/26/24 8:00	1.6	265	-8.6	1024
12/26/24 9:00	2.3	283	-6.2	1024
12/26/24 10:00	0.6	110	-4.4	1023

BGR Wind Rose 12/12/24 9:00 - 12/26/24 10:00



IRVING OIL TERMINALS INC. – SEARSPORT MARINE TERMINAL

SITE COORIDNATES

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Terminal Fenceline Perimeter Length = 1,498 m
Terminal Fenceline Area = 27.9 Acres
Monitor Location Method: EPA Method 325A Option 2
Spacing Between Monitors: 124.8 m (± 12.5 m)

Tank Farms 1 and 3

Sampling Station	Target Compounds	Latitude	Longitude	Distances from Previoius Site (m)	Notes
Site 1	BTEX	44.459525°	-68.899553°	129.8	The distance between the closest tanks and Site 1 and Fenceline is >50 m.
Site 2	BTEX	44.458983°	-68.898564°	125.5	The distance between the closest tanks and Site 2 and Fenceline is >50 m.
Site 3	BTEX	44.457892°	-68.898464°	125.5	The distance between the closest tanks and Site 3 and Fenceline is >50 m.
Site 4	BTEX	44.456853°	-68.898425°	123.9	The distance between the closest tanks and Site 4 and Fenceline is >50 m.
Site 5	BTEX	44.455831°	-68.898528°	125.3	The distance between the closest tanks and Site 5 and Fenceline is >50 m.
Site 6	BTEX	44.454886°	-68.899292°	124.8	The distance between the closest tanks and Site 6 and Fenceline is >50 m.
Site 7	BTEX	44.455697°	-68.899986°	123.9	The distance between the closest tanks and Site 7 and Fenceline is <50 m.
Site 8	BTEX	44.455589°	-68.900656°	62.0 (to Site 7) 61.7 (to Site 9)	Additional Site located halfway between Sites 7 and 9 to capture potential fugitive emissions from sources located <50 m from the fenceline.
Site 9	BTEX	44.455517°	-68.901358°	123.7 (to Site 7)	The distance between the closest tanks and Site 8 and Fenceline is <50 m.
Site 10	BTEX	44.455925°	-68.901736°	62.1 (to Site 9) 61.2 (to Site 11)	Additional Site located halfway between Sites 9 and 11 to capture potential fugitive emissions from sources located <50 m from the fenceline.

IRVING OIL SEARSPORT MAINE TERMINAL FENCELINE MONITORING

Terminal Fenceline Perimeter Length = 1,498 m
Terminal Fenceline Area = 27.9 Acres
Monitor Location Method: EPA Method 325A Option 2
Spacing Between Monitors: 124.8 m (± 12.5 m)

Tank Farms 1 and 3

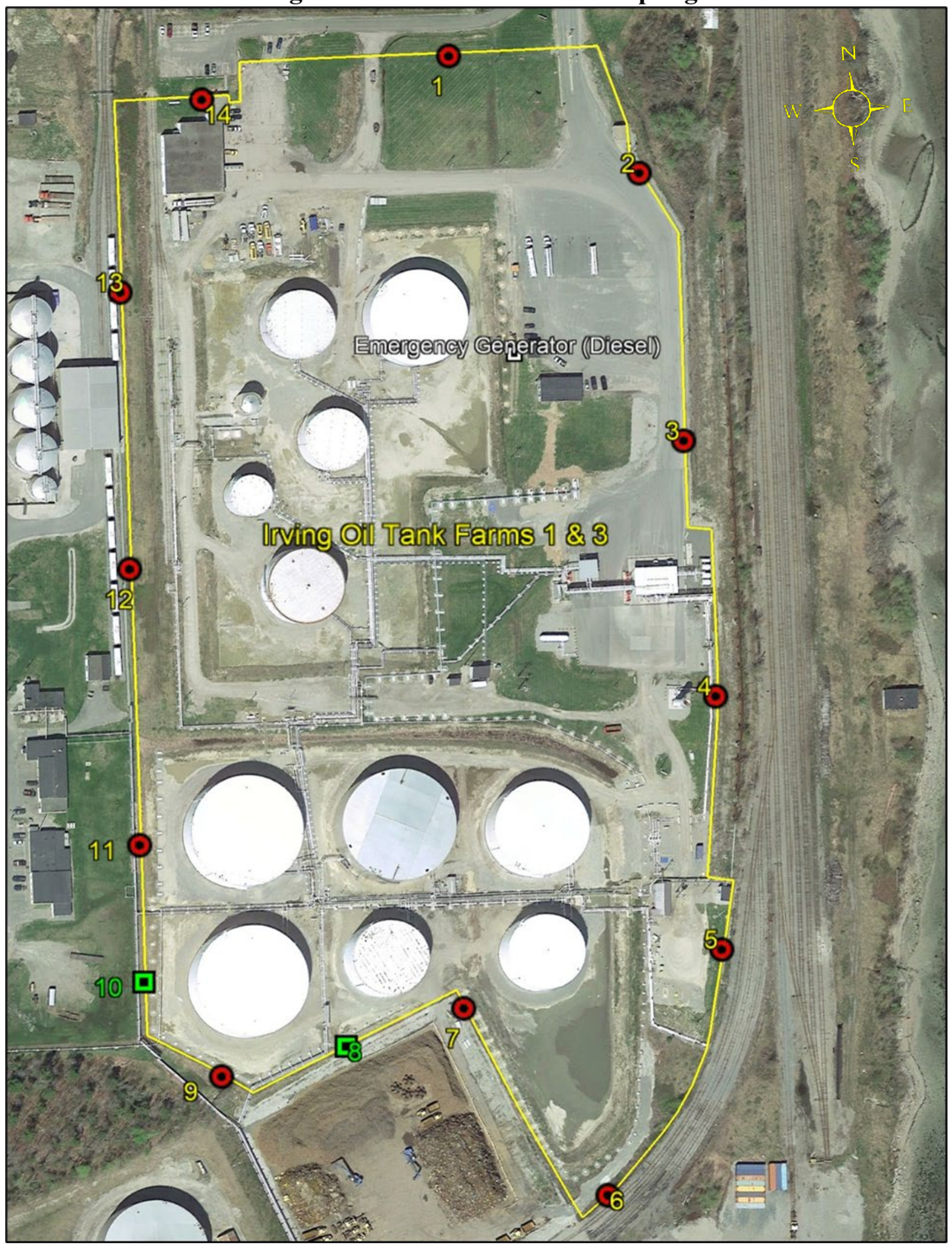
Sampling Station	Target Compounds	Latitude	Longitude	Distances from Previoius Site (m)	Notes
Site 11	BTEX	44.456475°	-68.901686°	123.3 (to Site 9)	The distance between the closest tanks and Site 11 and Fenceline is <50 m.
Site 12	BTEX	4.457586°	-68.901592°	124	The distance between the closest tanks and Site 12 and Fenceline is >50 m.
Site 13	BTEX	44.458700°	-68.901494°	124	The distance between the closest tanks and Site 13 and Fenceline is >50 m.
Site 14	BTEX	44.459442°	-68.900939°	124.3	The distance between the closest tanks and Site 14 and Fenceline is >50 m.

Tank Farm 2

Terminal Fenceline Perimeter Length = 542 m
Terminal Fenceline Area = 4.9 Acres
Monitor Location Method: EPA Method 325A Option 2
Spacing Between Monitors: 180.7 m (± 18.1 m)

Sampling Station	Target Compounds	Latitude	Longitude	Distance from Previous Site (m)	Notes
Site 15	BTEX	44.452383°	-68.907823°	180.8	The distance between the closest tank and Site 15 is 48 m. The 2 tanks are <50 m from the nearest fenceline.
Site 16	BTEX	44.453510°	-68.908468°	180.4	The distance between the closest tank and Site 16 is 46 m. The closest tank is <50 m from the nearest fenceline.
Site 17	BTEX	44.453418°	-68.906950°	180.8	The distance between the closest tank and Site 17 is 45 m. The closest tank is <50 m from the nearest fenceline.

Aerial View of the Irving Oil Tank Farm 1 and 3 Sampling Locations



Aerial View of the Irving Oil Tank Farm 2 Sampling Locations

APPENDIX A – LAB RESULTS

Irving Oil – Searsport

52 Station Ave
Searsport, ME 04974

Sampling Event 2

PROJ-027957

Analytical Report
(2024GG401)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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QA Review Performed by
Eneko Etxauri Otegi
QA Associate I

Report Issued: 10/16/2024

ENTHALPY
ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey
Job No.: 2024GG401-1 EPA Method 325B Analysis
Client No.: PROJ-027957 Site: Irving Oil - Searsport

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylene (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
IRVSEA-1-S-20240919	C38994	0.515		0.291	J,Pc	1.07		0.441	J	2.57	
IRVSEA-2-S-20240919	C40533	0.621			ND,Pc	0.778		0.322	J	1.62	
IRVSEA-2-D-20240919	B33089	0.664		0.382	J,Pc	0.854		0.350	J	1.64	
IRVSEA-2-B-20240919	B40417		ND		ND,Pc		ND		ND		ND
IRVSEA-3-S-20240919	B38607	0.883		0.375	J,Pc	0.977		0.390	J	2.50	
IRVSEA-4-S-20240919	B48605	0.957		0.336	J,Pc	1.12		0.456	J	2.20	
IRVSEA-5-S-20240919	B34770	0.899		0.723	Pc	1.61		0.752		2.66	
IRVSEA-6-S-20240919	B37458	1.26		0.732	Pc	2.21		0.881		4.53	
IRVSEA-7-S-20240919	B46170	2.06		1.50	Pc	4.50		1.92		6.98	
IRVSEA-8-S-20240919	B19780	4.66		3.02	Pc	10.8		4.26		16.9	
IRVSEA-8-D-20240919	B49643	4.57		3.18	Pc	10.5		4.12		17.4	
IRVSEA-8-B-20240919	B17585		ND		ND,Pc		ND		ND		ND
IRVSEA-9-S-20240919	B14507	3.49		2.12	Pc	6.85		2.84		13.2	
IRVSEA-10-S-20240919	B37503	4.39		2.82	Pc	8.71		3.56		16.2	
IRVSEA-11-S-20240919	B21055	1.90		1.26	Pc	3.74		1.58		6.54	
IRVSEA-12-S-20240919	C31341	1.14		0.460	J,Pc	1.45		0.607		3.08	
IRVSEA-13-S-20240919	B35518	0.728		0.637	Pc	1.33		0.551	J	1.95	
IRVSEA-14-S-20240919	C35866	0.453			ND,Pc	0.703		0.291	J	1.24	
IRVSEA-15-S-20240919	B35456	0.538		0.380	J,Pc	0.817		0.403	J	2.94	
IRVSEA-16-S-20240919	B51040	0.480			ND,Pc	0.334	J		ND	0.722	
IRVSEA-17-S-20240919	C01447	0.545			ND,Pc	0.600		0.290	J	1.78	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20240919	C38994	0.515	0.161	6.79	58.1	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-2-S-20240919	C40533	0.621	0.195	8.19	58.1	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-2-D-20240919	B33089	0.664	0.208	8.75	58.1	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-2-B-20240919	B40417				58.1	0.658	20,030	0.190	0.394	0.0594	0.123	ND
IRVSEA-3-S-20240919	B38607	0.883	0.277	11.6	58.1	0.658	20,035	0.190	0.394	0.0594	0.123	
IRVSEA-4-S-20240919	B48605	0.957	0.300	12.6	58.1	0.658	20,035	0.190	0.394	0.0594	0.123	
IRVSEA-5-S-20240919	B34770	0.899	0.281	11.8	58.0	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-6-S-20240919	B37458	1.26	0.395	16.6	58.0	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-7-S-20240919	B46170	2.06	0.646	27.2	58.0	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-8-S-20240919	B19780	4.66	1.46	61.4	58.0	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-8-D-20240919	B49643	4.57	1.43	60.3	58.0	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-8-B-20240919	B17585				58.0	0.658	20,030	0.190	0.394	0.0594	0.123	ND
IRVSEA-9-S-20240919	B14507	3.49	1.09	46.0	58.0	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-10-S-20240919	B37503	4.39	1.38	57.9	58.0	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-11-S-20240919	B21055	1.90	0.594	25.0	58.0	0.658	20,030	0.190	0.394	0.0594	0.123	
IRVSEA-12-S-20240919	C31341	1.14	0.357	15.0	58.0	0.658	20,025	0.190	0.394	0.0594	0.123	
IRVSEA-13-S-20240919	B35518	0.728	0.228	9.59	58.0	0.658	20,025	0.190	0.394	0.0594	0.123	
IRVSEA-14-S-20240919	C35866	0.453	0.142	5.97	58.0	0.658	20,025	0.190	0.394	0.0594	0.123	
IRVSEA-15-S-20240919	B35456	0.538	0.169	7.09	58.0	0.658	20,025	0.190	0.394	0.0594	0.123	
IRVSEA-16-S-20240919	B51040	0.480	0.150	6.32	58.0	0.658	20,025	0.190	0.394	0.0594	0.123	
IRVSEA-17-S-20240919	C01447	0.545	0.171	7.19	58.0	0.658	20,025	0.190	0.394	0.0594	0.123	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20240919	C38994	0.291	0.0670	2.63	58.1	0.452	20,030	0.276	0.589	0.0637	0.136	J,Pc
IRVSEA-2-S-20240919	C40533				58.1	0.452	20,030	0.276	0.589	0.0637	0.136	ND,Pc
IRVSEA-2-D-20240919	B33089	0.382	0.0880	3.46	58.1	0.452	20,030	0.276	0.589	0.0637	0.136	J,Pc
IRVSEA-2-B-20240919	B40417				58.1	0.452	20,030	0.276	0.589	0.0637	0.136	ND,Pc
IRVSEA-3-S-20240919	B38607	0.375	0.0863	3.39	58.1	0.452	20,035	0.276	0.589	0.0636	0.136	J,Pc
IRVSEA-4-S-20240919	B48605	0.336	0.0774	3.04	58.1	0.452	20,035	0.276	0.589	0.0636	0.136	J,Pc
IRVSEA-5-S-20240919	B34770	0.723	0.167	6.54	58.0	0.452	20,030	0.276	0.589	0.0637	0.136	Pc
IRVSEA-6-S-20240919	B37458	0.732	0.169	6.63	58.0	0.452	20,030	0.276	0.589	0.0637	0.136	Pc
IRVSEA-7-S-20240919	B46170	1.50	0.346	13.6	58.0	0.452	20,030	0.276	0.589	0.0637	0.136	Pc
IRVSEA-8-S-20240919	B19780	3.02	0.697	27.4	58.0	0.452	20,030	0.276	0.589	0.0637	0.136	Pc
IRVSEA-8-D-20240919	B49643	3.18	0.733	28.8	58.0	0.452	20,030	0.276	0.589	0.0637	0.136	Pc
IRVSEA-8-B-20240919	B17585				58.0	0.452	20,030	0.276	0.589	0.0637	0.136	ND,Pc
IRVSEA-9-S-20240919	B14507	2.12	0.488	19.1	58.0	0.452	20,030	0.276	0.589	0.0637	0.136	Pc
IRVSEA-10-S-20240919	B37503	2.82	0.650	25.5	58.0	0.452	20,030	0.276	0.589	0.0637	0.136	Pc
IRVSEA-11-S-20240919	B21055	1.26	0.290	11.4	58.0	0.452	20,030	0.276	0.589	0.0637	0.136	Pc
IRVSEA-12-S-20240919	C31341	0.460	0.106	4.16	58.0	0.452	20,025	0.276	0.589	0.0637	0.136	J,Pc
IRVSEA-13-S-20240919	B35518	0.637	0.147	5.76	58.0	0.452	20,025	0.276	0.589	0.0637	0.136	Pc
IRVSEA-14-S-20240919	C35866				58.0	0.452	20,025	0.276	0.590	0.0637	0.136	ND,Pc
IRVSEA-15-S-20240919	B35456	0.380	0.0876	3.44	58.0	0.452	20,025	0.276	0.590	0.0637	0.136	J,Pc
IRVSEA-16-S-20240919	B51040				58.0	0.452	20,025	0.276	0.590	0.0637	0.136	ND,Pc
IRVSEA-17-S-20240919	C01447				58.0	0.452	20,025	0.276	0.590	0.0637	0.136	ND,Pc

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

m-/p-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20240919	C38994	1.07	0.246	9.65	58.1	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-2-S-20240919	C40533	0.778	0.179	7.04	58.1	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-2-D-20240919	B33089	0.854	0.197	7.73	58.1	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-2-B-20240919	B40417				58.1	0.452	20,030	0.276	0.593	0.0637	0.137	ND
IRVSEA-3-S-20240919	B38607	0.977	0.225	8.84	58.1	0.452	20,035	0.276	0.593	0.0636	0.137	
IRVSEA-4-S-20240919	B48605	1.12	0.258	10.1	58.1	0.452	20,035	0.276	0.593	0.0636	0.137	
IRVSEA-5-S-20240919	B34770	1.61	0.371	14.6	58.0	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-6-S-20240919	B37458	2.21	0.509	20.0	58.0	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-7-S-20240919	B46170	4.50	1.04	40.7	58.0	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-8-S-20240919	B19780	10.8	2.48	97.3	58.0	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-8-D-20240919	B49643	10.5	2.41	94.7	58.0	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-8-B-20240919	B17585				58.0	0.452	20,030	0.276	0.593	0.0637	0.137	ND
IRVSEA-9-S-20240919	B14507	6.85	1.58	62.0	58.0	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-10-S-20240919	B37503	8.71	2.01	78.8	58.0	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-11-S-20240919	B21055	3.74	0.863	33.9	58.0	0.452	20,030	0.276	0.593	0.0637	0.137	
IRVSEA-12-S-20240919	C31341	1.45	0.335	13.1	58.0	0.452	20,025	0.276	0.593	0.0637	0.137	
IRVSEA-13-S-20240919	B35518	1.33	0.308	12.1	58.0	0.452	20,025	0.276	0.593	0.0637	0.137	
IRVSEA-14-S-20240919	C35866	0.703	0.162	6.36	58.0	0.452	20,025	0.276	0.593	0.0637	0.137	
IRVSEA-15-S-20240919	B35456	0.817	0.188	7.39	58.0	0.452	20,025	0.276	0.593	0.0637	0.137	
IRVSEA-16-S-20240919	B51040	0.334	0.0771	3.03	58.0	0.452	20,025	0.276	0.593	0.0637	0.137	J
IRVSEA-17-S-20240919	C01447	0.600	0.138	5.42	58.0	0.452	20,025	0.276	0.593	0.0637	0.137	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20240919	C38994	0.441	0.102	3.99	58.1	0.452	20,030	0.276	0.596	0.0637	0.137	J
IRVSEA-2-S-20240919	C40533	0.322	0.0742	2.92	58.1	0.452	20,030	0.276	0.596	0.0637	0.137	J
IRVSEA-2-D-20240919	B33089	0.350	0.0806	3.17	58.1	0.452	20,030	0.276	0.596	0.0637	0.137	J
IRVSEA-2-B-20240919	B40417				58.1	0.452	20,030	0.276	0.596	0.0637	0.137	ND
IRVSEA-3-S-20240919	B38607	0.390	0.0898	3.53	58.1	0.452	20,035	0.276	0.596	0.0636	0.137	J
IRVSEA-4-S-20240919	B48605	0.456	0.105	4.13	58.1	0.452	20,035	0.276	0.596	0.0636	0.137	J
IRVSEA-5-S-20240919	B34770	0.752	0.173	6.81	58.0	0.452	20,030	0.276	0.596	0.0637	0.137	
IRVSEA-6-S-20240919	B37458	0.881	0.203	7.97	58.0	0.452	20,030	0.276	0.596	0.0637	0.137	
IRVSEA-7-S-20240919	B46170	1.92	0.443	17.4	58.0	0.452	20,030	0.276	0.596	0.0637	0.137	
IRVSEA-8-S-20240919	B19780	4.26	0.981	38.5	58.0	0.452	20,030	0.276	0.596	0.0637	0.137	
IRVSEA-8-D-20240919	B49643	4.12	0.949	37.3	58.0	0.452	20,030	0.276	0.596	0.0637	0.137	
IRVSEA-8-B-20240919	B17585				58.0	0.452	20,030	0.276	0.596	0.0637	0.137	ND
IRVSEA-9-S-20240919	B14507	2.84	0.655	25.7	58.0	0.452	20,030	0.276	0.596	0.0637	0.137	
IRVSEA-10-S-20240919	B37503	3.56	0.820	32.2	58.0	0.452	20,030	0.276	0.596	0.0637	0.137	
IRVSEA-11-S-20240919	B21055	1.58	0.363	14.3	58.0	0.452	20,030	0.276	0.596	0.0637	0.137	
IRVSEA-12-S-20240919	C31341	0.607	0.140	5.49	58.0	0.452	20,025	0.276	0.597	0.0637	0.137	
IRVSEA-13-S-20240919	B35518	0.551	0.127	4.98	58.0	0.452	20,025	0.276	0.597	0.0637	0.137	J
IRVSEA-14-S-20240919	C35866	0.291	0.0670	2.63	58.0	0.452	20,025	0.276	0.597	0.0637	0.137	J
IRVSEA-15-S-20240919	B35456	0.403	0.0929	3.65	58.0	0.452	20,025	0.276	0.597	0.0637	0.137	J
IRVSEA-16-S-20240919	B51040				58.0	0.452	20,025	0.276	0.597	0.0637	0.137	ND
IRVSEA-17-S-20240919	C01447	0.290	0.0669	2.63	58.0	0.452	20,025	0.276	0.597	0.0637	0.137	J

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20240919	C38994	2.57	0.683	26.3	58.1	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-2-S-20240919	C40533	1.62	0.431	16.6	58.1	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-2-D-20240919	B33089	1.64	0.434	16.7	58.1	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-2-B-20240919	B40417				58.1	0.511	20,030	0.244	0.527	0.0649	0.140	ND
IRVSEA-3-S-20240919	B38607	2.50	0.664	25.6	58.1	0.511	20,035	0.244	0.527	0.0649	0.140	
IRVSEA-4-S-20240919	B48605	2.20	0.585	22.6	58.1	0.511	20,035	0.244	0.527	0.0649	0.140	
IRVSEA-5-S-20240919	B34770	2.66	0.707	27.3	58.0	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-6-S-20240919	B37458	4.53	1.20	46.3	58.0	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-7-S-20240919	B46170	6.98	1.85	71.5	58.0	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-8-S-20240919	B19780	16.9	4.50	173	58.0	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-8-D-20240919	B49643	17.4	4.63	178	58.0	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-8-B-20240919	B17585				58.0	0.511	20,030	0.244	0.527	0.0649	0.140	ND
IRVSEA-9-S-20240919	B14507	13.2	3.50	135	58.0	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-10-S-20240919	B37503	16.2	4.31	166	58.0	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-11-S-20240919	B21055	6.54	1.74	66.9	58.0	0.511	20,030	0.244	0.527	0.0649	0.140	
IRVSEA-12-S-20240919	C31341	3.08	0.818	31.5	58.0	0.511	20,025	0.244	0.527	0.0649	0.140	
IRVSEA-13-S-20240919	B35518	1.95	0.517	19.9	58.0	0.511	20,025	0.244	0.527	0.0649	0.140	
IRVSEA-14-S-20240919	C35866	1.24	0.330	12.7	58.0	0.511	20,025	0.244	0.527	0.0649	0.140	
IRVSEA-15-S-20240919	B35456	2.94	0.780	30.0	58.0	0.511	20,025	0.244	0.527	0.0649	0.140	
IRVSEA-16-S-20240919	B51040	0.722	0.192	7.39	58.0	0.511	20,025	0.244	0.527	0.0649	0.140	
IRVSEA-17-S-20240919	C01447	1.78	0.474	18.2	58.0	0.511	20,025	0.244	0.527	0.0649	0.140	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
Blanks (ug/m³)	IRVSEA-2-B-20240919	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
	IRVSEA-8-B-20240919	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	IRVSEA-2-D-20240919	6.6%	Pass	32%	Pc	9.3%	Pass	8.3%	Pass	0.71%	Pass
	IRVSEA-8-D-20240919	1.9%	Pass	5.1%	Pass	2.7%	Pass	3.3%	Pass	2.9%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	Irving Oil - Searsport
Project	PROJ-027957
Report #	2024GG401

Custody	Enthalpy Analytical, LLC received the sample tubes on 10/7/24. The samples were received in good condition at a temperature of 22.9 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. The primary sample IRVSEA-2-S-20240919 (tube ID C40533) and its corresponding duplicate IRVSEA-2-D-20240919 (tube ID B33089) failed to meet the 30% difference criteria specified by the method for Ethylbenzene. However, the concentrations of the analytes in both the sample and the duplicate were less than two times the reporting limit of the instrument's calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All samples in the data set have been flagged "Pc" for Ethylbenzene only to denote this failure.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

Enthalpy Analytical Narrative Summary
(continued)

All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024GG401

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	IAVMY Oil Searsport	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROS-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haley Brooks	**Sorbent:**	
State	Maine	**Email Address:**	haleybrooks@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	C38994	S	9/19/24	11:55	10/3/24	9:45	HB/KB		
2	C40533	S	9/19/24	12:00	10/3/24	9:50	HB/KB		
2	B33089	D	9/19/24	12:00	10/3/24	9:50	HB/KB		
2	B40417	B	9/19/24	12:00	10/3/24	9:50	HB/KB		
3	B38607	S	9/19/24	12:05	10/3/24	10:00	HB/KB		
4	B48605	S	9/19/24	12:10	10/3/24	10:05	HB/KB		
5	B34770	S	9/19/24	12:20	10/3/24	10:10	HB/KB		
6	B37458	S	9/19/24	12:25	10/3/24	10:15	HB/KB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haley Brooks		10/3/2024	16:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Sabrina Williams	Sab Williams	10/7/2024	10:00 AM

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		N	
Ice Temp: / **Blank Temp:** 22.9 / Fluke 7A		Add Custody Seal # below: NA	

Comments:

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2024GG401

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose AV	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROJ-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haley Brockel	**Sorbent:**	
State	Maine	**Email Address:**	haleybrockel@montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	B46170	S	9/19/24	12:30	10/3/24	10:20	HB / HFB		
8	B19780	S	9/19/24	12:35	10/3/24	10:25	HB / HFB		
8	B49643	D	9/19/24	12:35	10/3/24	10:25	HB / HFB		
8	B17585	B	9/19/24	12:35	10/3/24	10:25	HB / HFB		
9	B14507	S	9/19/24	12:40	10/3/24	10:30	HB / HFB		
10	B37503	S	9/19/24	12:45	10/3/24	10:35	HB / HFB		
11	B21055	S	9/19/24	12:50	10/3/24	10:40	HB / HFB		
12	C31341	S	9/19/24	13:00	10/3/24	10:45	HB / HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haley Brockel		10/3/2024	16:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Sabrina Williams	Sab Williams	10/7/2024	10:00 AM

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		N	
Ice Temp:	**Blank Temp:**	**Add Custody Seal # below:**	
	22.9 Fluke 7A	NA	

Comments:

2024GG401

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: Irving Oil Searsport	Client Name: Montrose Air	PO#:	
Site Address: 52 Station Ave	Project Number: PROJ-027957	Sample Event #	
City: Searsport	Project Manager: Haig Brochu	Sorbent:	
State: Maine	Email Address: haigbrochu@Montrose-env.com		
Zip: 04974	Telephone #: 207.441.0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	B35518	S	9/19/24	13:05	10/3/24	10:50	HB/HB		
14	C35866	S	9/19/24	13:10	10/3/24	10:55	HB/HB		
15	B35456	S	9/19/24	13:30	10/3/24	11:15	HB/HB		
16 ①	~~B51040~~	S	9/19/24	13:35	10/3/24	11:20	HB/HB		
17	C01447	S	9/19/24	13:40	10/3/24	11:25	HB/HB		
							/		
							/		
							/		

Relinquished By (printed): Haig Brochu	Relinquished By (signature):	Relinquished Date: 10/3/2024	Relinquished Time: 16:00
Recieved By (printed): Sabrina Williams	Recieved By (signature): Sab Williams	Receipt Date: 10/7/2024	Receipt Time: 10:00

Sample Condition Upon Receipt:	Ice Temp:	Blank Temp:		Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		22.9	Fluke 1A		N	
					Add Custody Seal # below: NA	

Comments: ① B51040 SMW 10/7/24

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Sample Chromatograms

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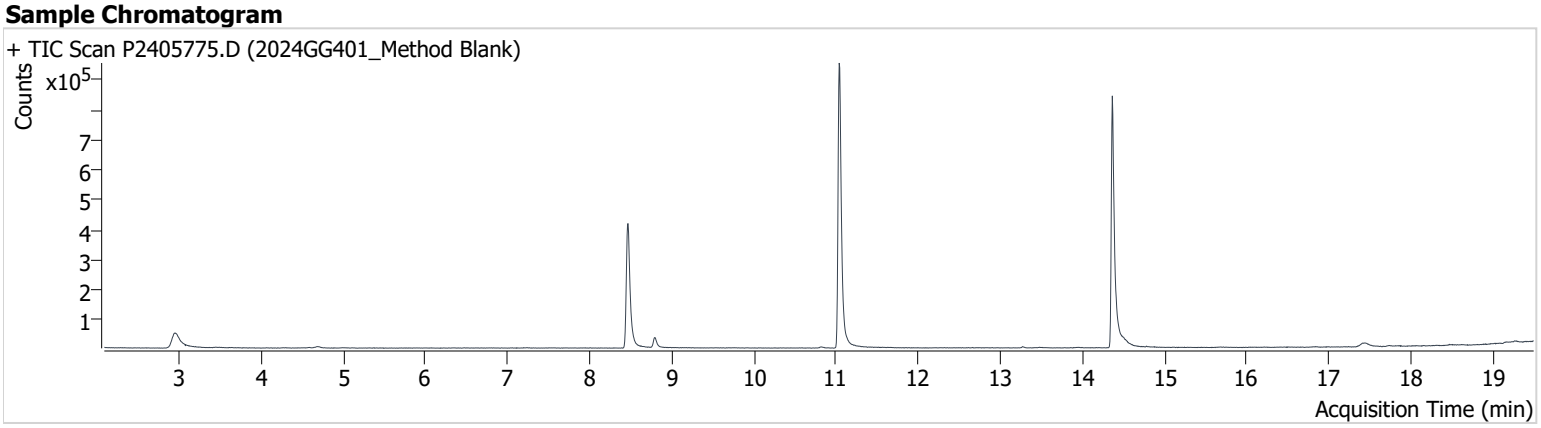
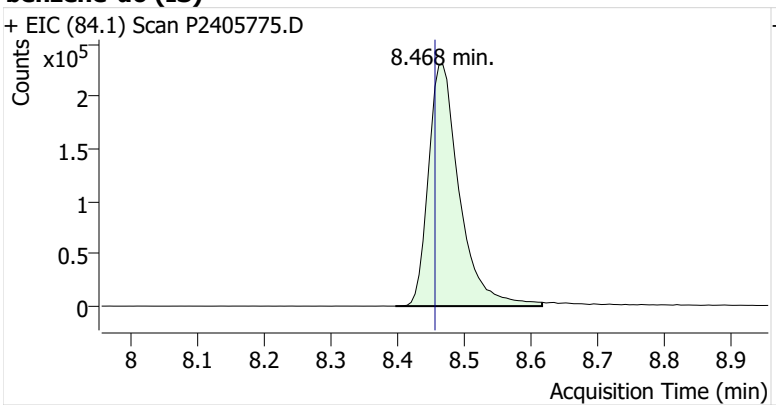
Name	2024GG401_Method Blank
Comment	B14646
Data File	P2405775.D
Acq. Date-Time	10/8/2024 4:01:04 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

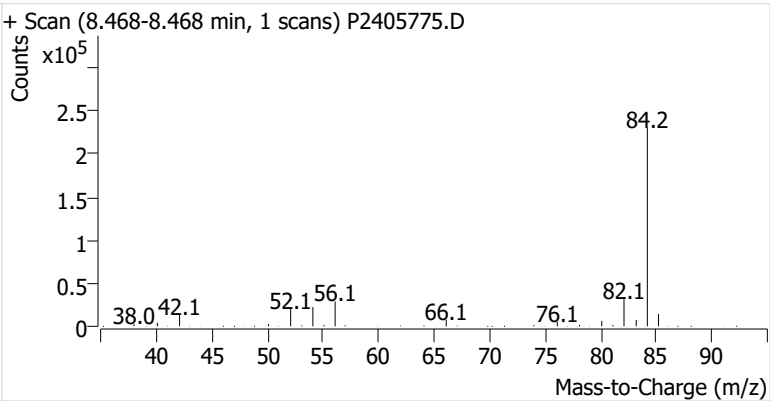
Sample Chromatogram



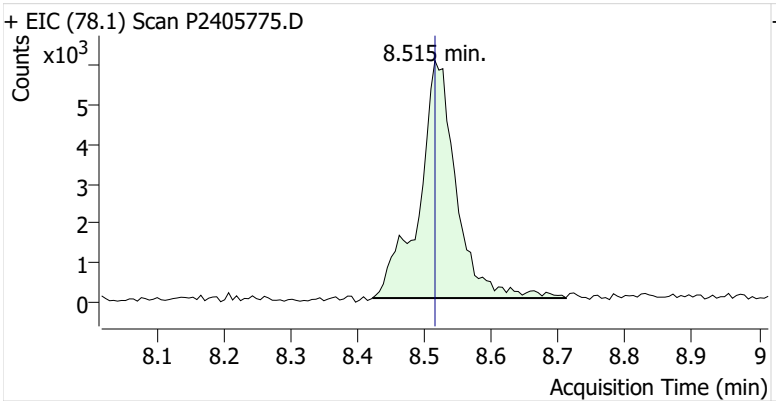
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.468	8.456	744,399	
Benzene	benzene-d6 (IS)	8.515	8.515	23,219	
Toluene-d8 (IS)		11.038	11.032	1,097,992	
Toluene	Toluene-d8 (IS)	11.133	11.121	11,359	
Ethylbenzene	Toluene-d8 (IS)	13.275	13.252	3,612	
m-/p-Xylene	Toluene-d8 (IS)	13.483	13.459	3,448	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	1,968	

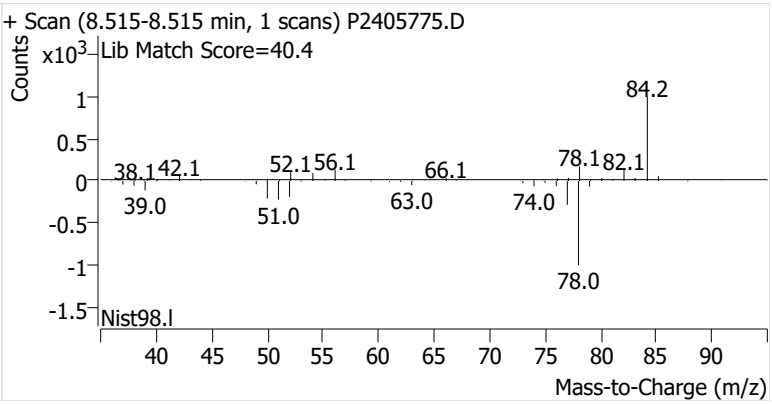
benzene-d6 (IS)



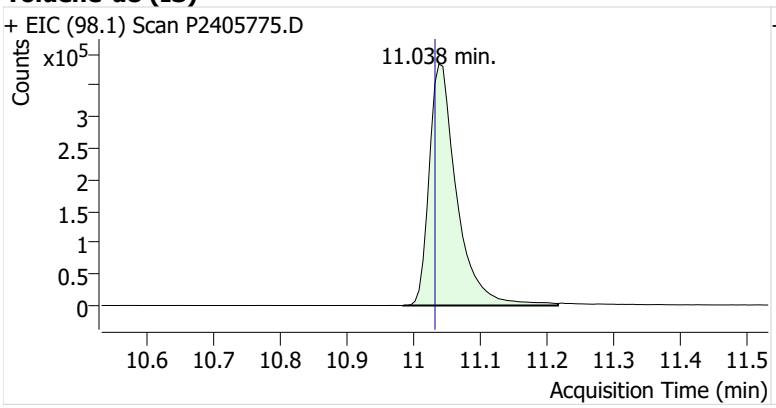


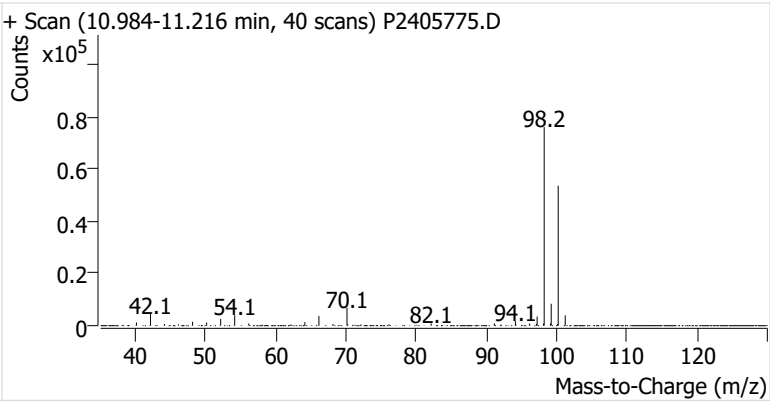
Benzene



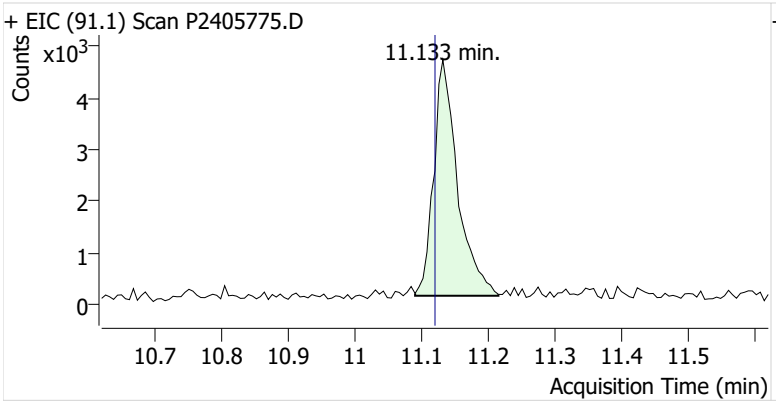


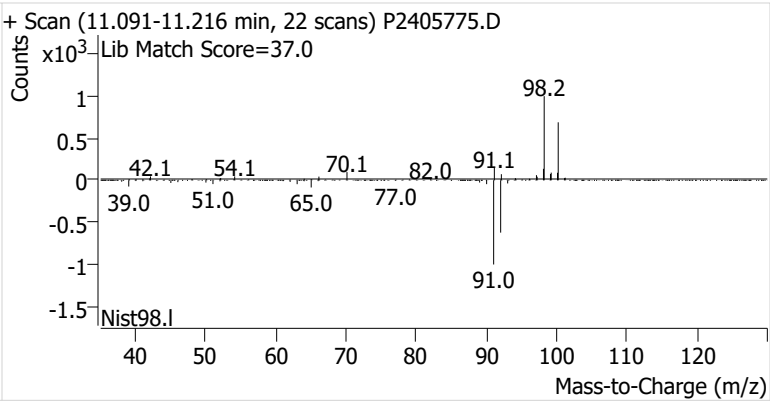
Toluene-d8 (IS)



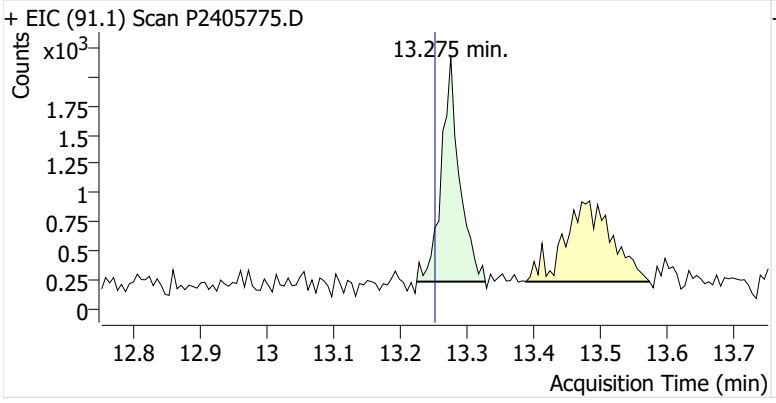


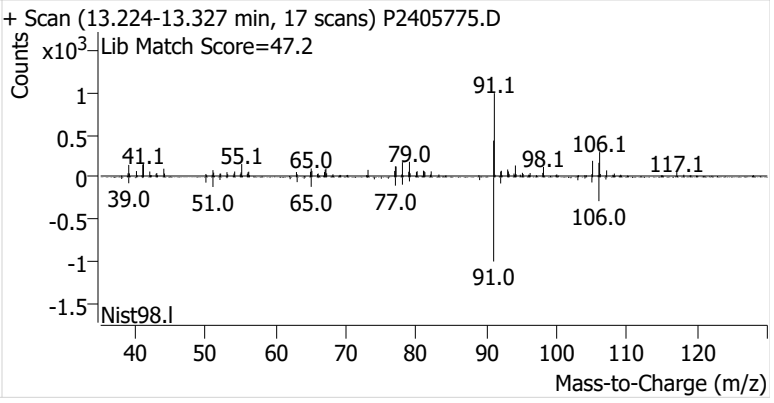
Toluene



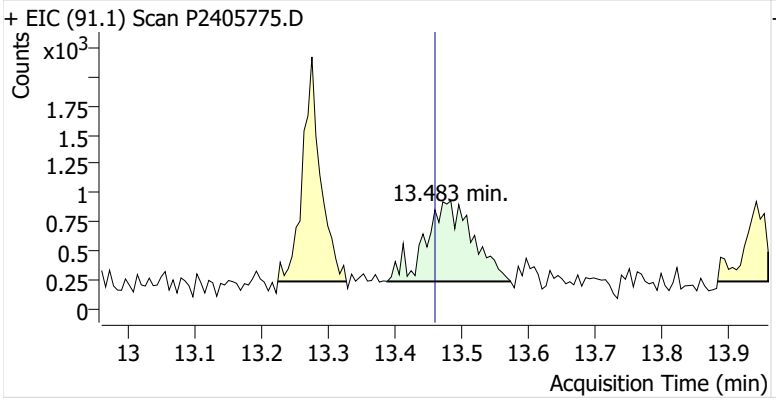


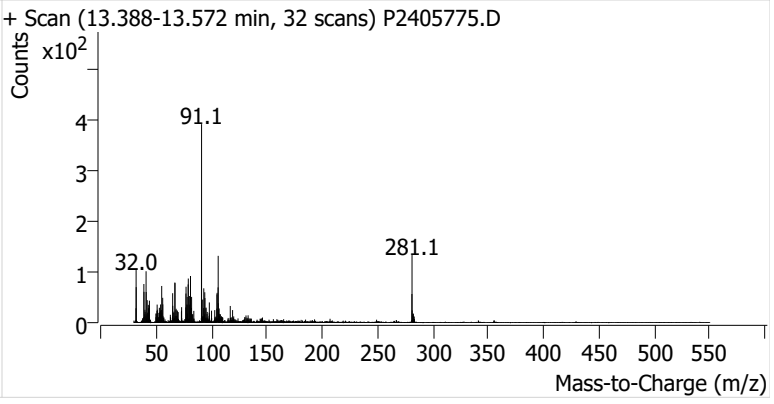
Ethylbenzene



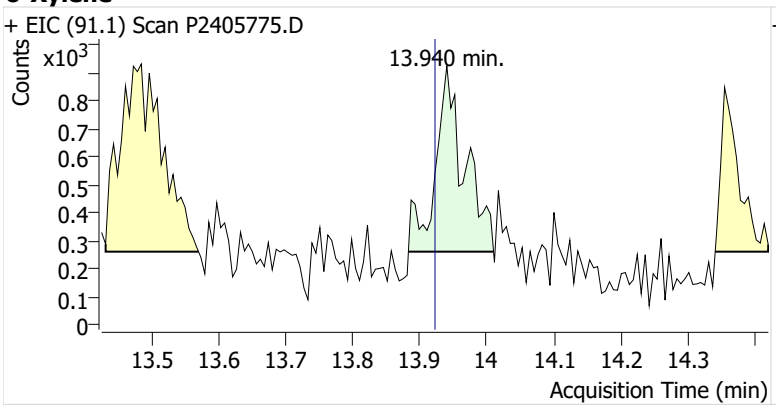


m-/p-Xylene





o-Xylene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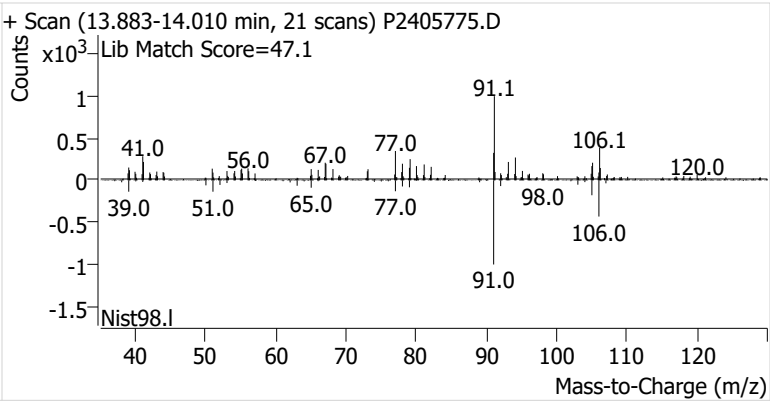
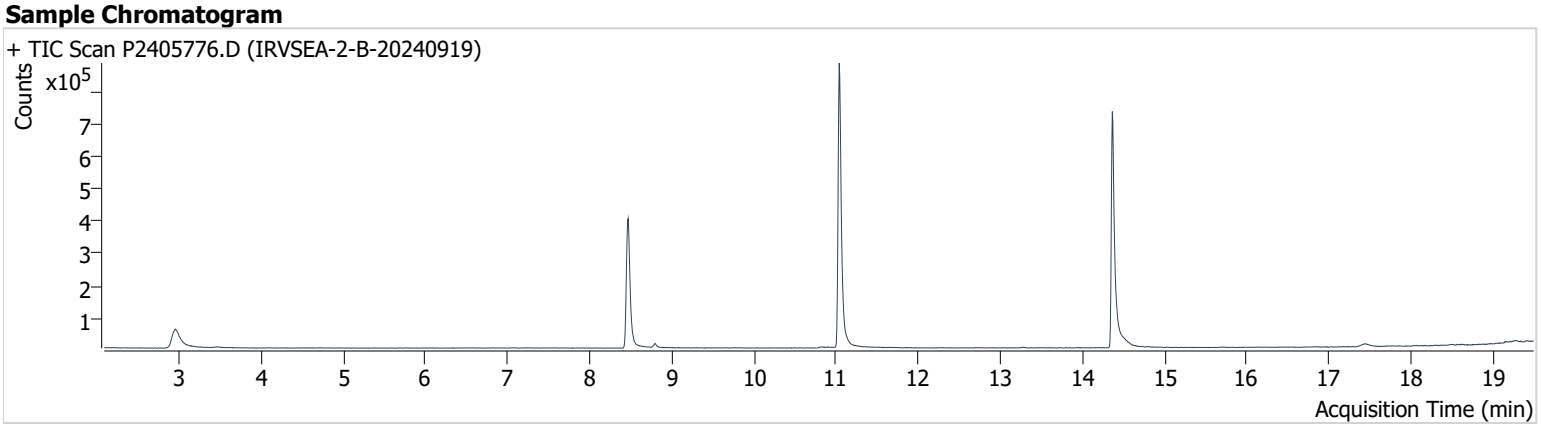
Counts
x10^3
13.940 min.
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.883-14.010 min, 21 scans) P2405775.D
Counts
x10^3
Lib Match Score=47.1
91.1
41.0
56.0
67.0
77.0
106.1
120.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

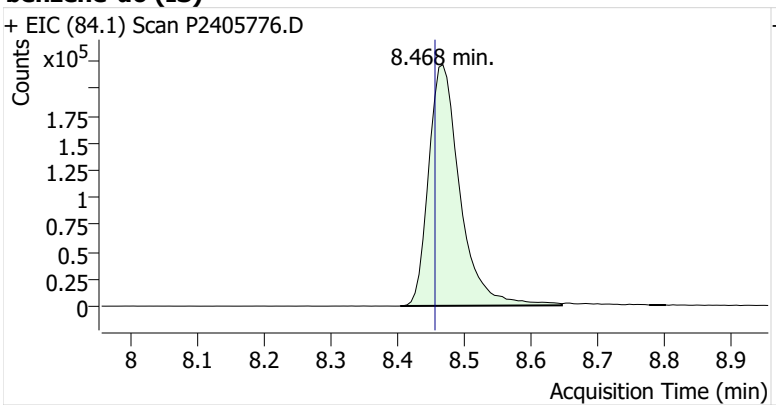
Name	IRVSEA-2-B-20240919
Comment	B40417
Data File	P2405776.D
Acq. Date-Time	10/8/2024 4:38:20 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

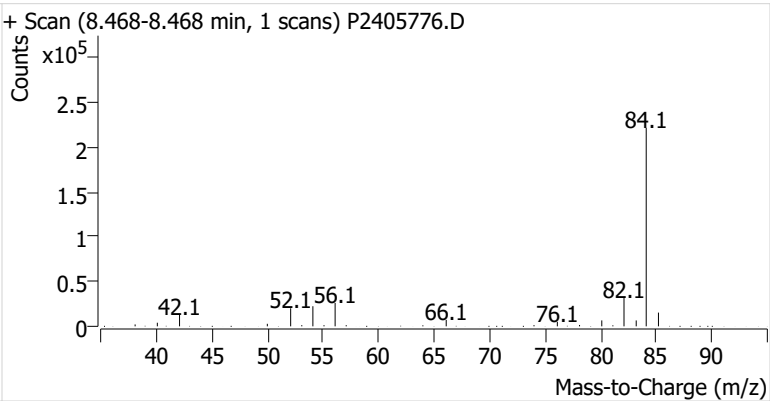
Sample Chromatogram



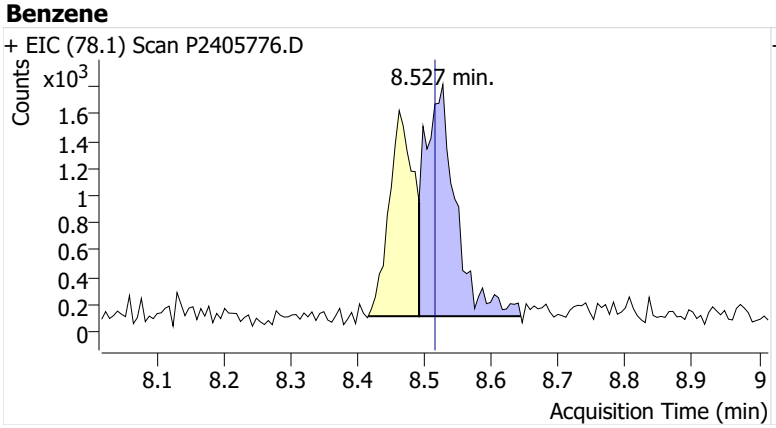
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.468	8.456	722,473	
Benzene	benzene-d6 (IS)	8.527	8.515	5,418	
Toluene-d8 (IS)		11.038	11.032	985,633	
Toluene	Toluene-d8 (IS)	11.133	11.121	7,851	
Ethylbenzene	Toluene-d8 (IS)	13.275	13.252	2,253	
m-/p-Xylene	Toluene-d8 (IS)	13.465	13.459	1,256	
o-Xylene	Toluene-d8 (IS)	13.958	13.922	654	

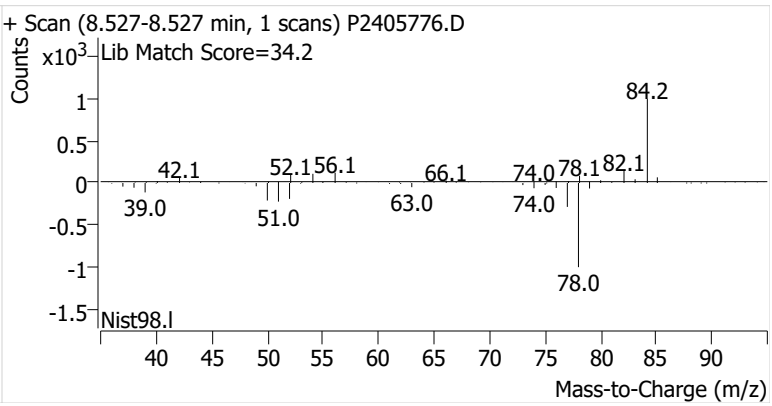
benzene-d6 (IS)



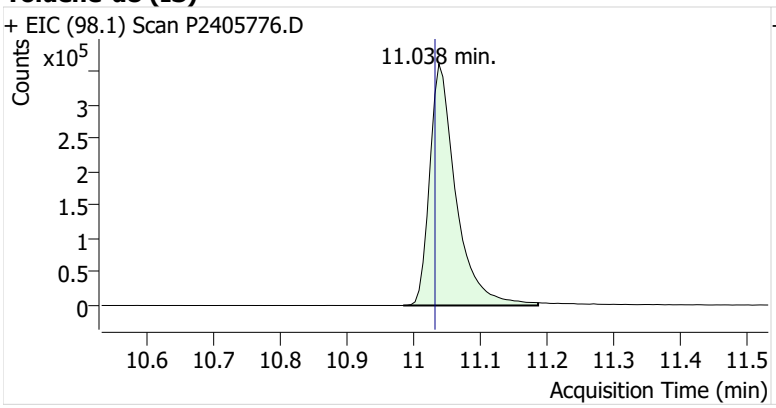


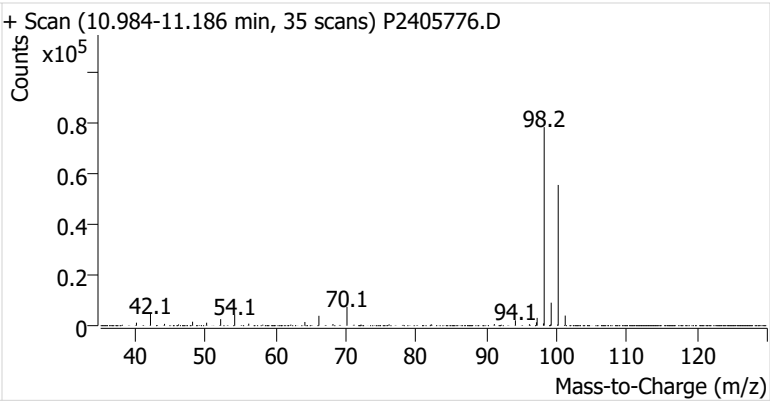
Benzene



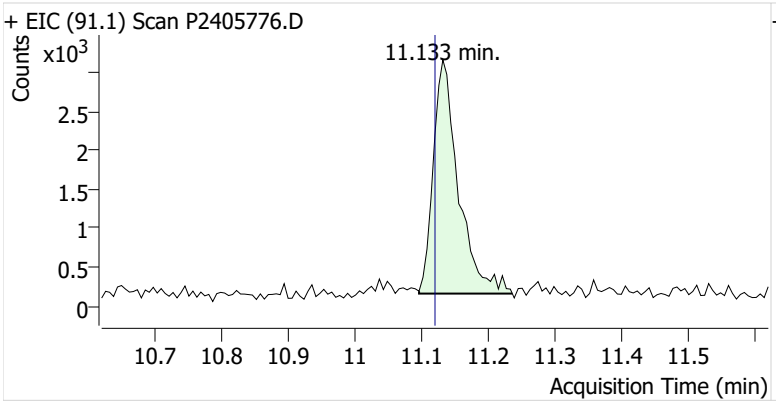


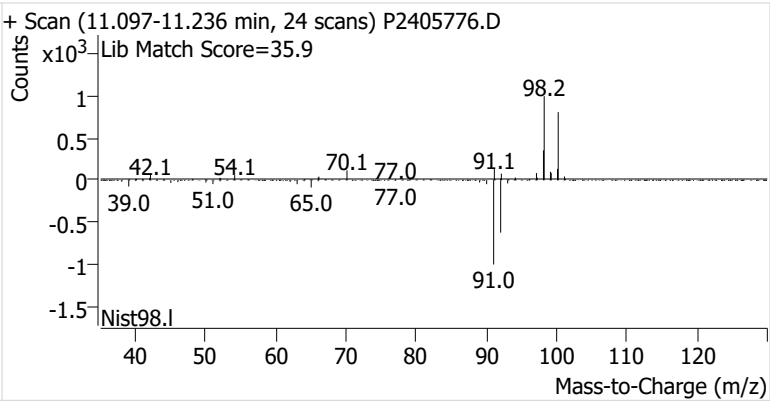
Toluene-d8 (IS)



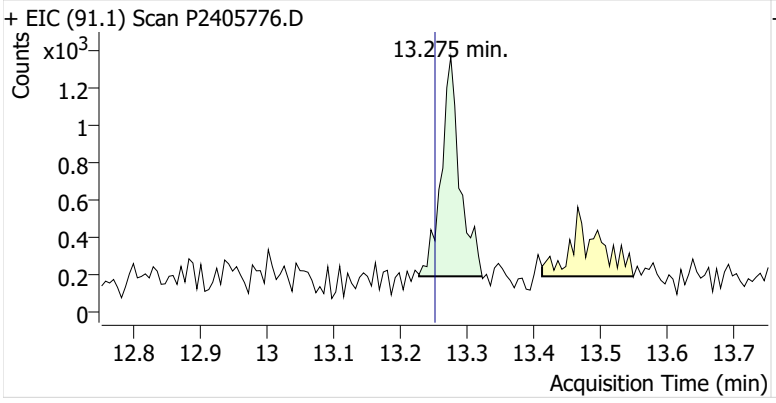


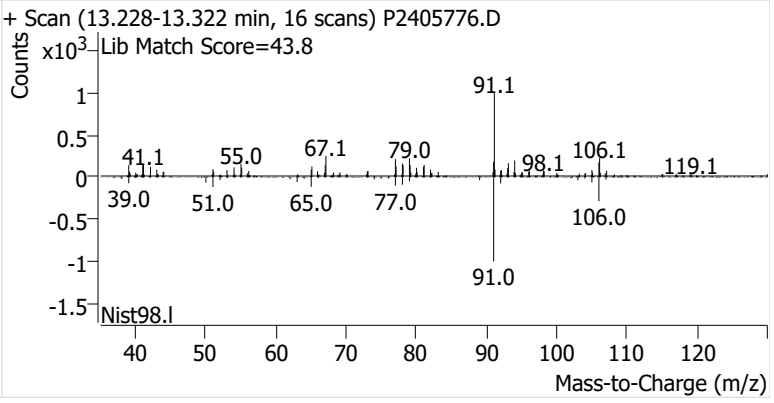
Toluene



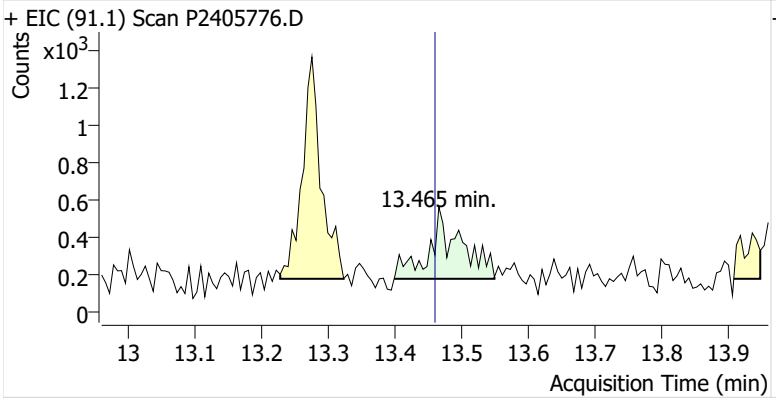


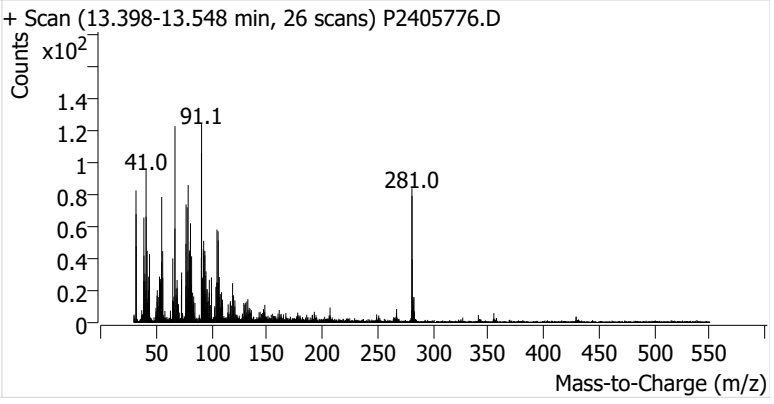
Ethylbenzene



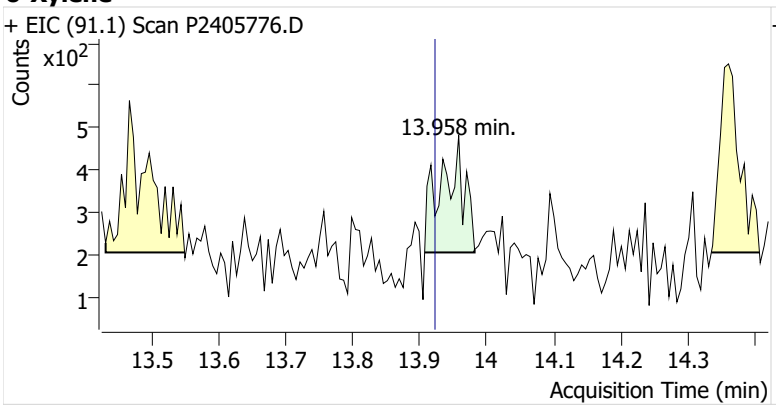


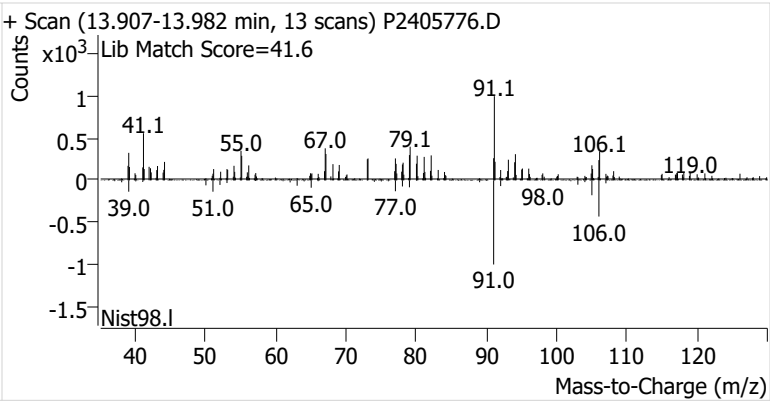
m-/p-Xylene





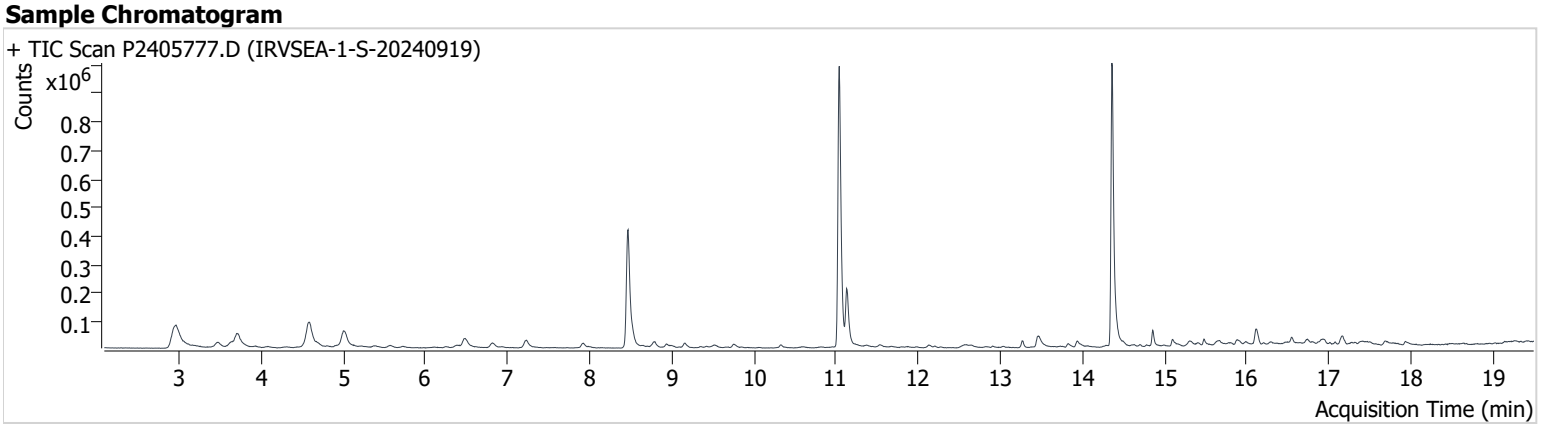
o-Xylene


+ EIC (91.1) Scan P2405776.D
Counts
x10^2
13.958 min.
Acquisition Time (min)


+ Scan (13.907-13.982 min, 13 scans) P2405776.D
Counts
x10^3
Lib Match Score=41.6
Nist98.l
Mass-to-Charge (m/z)

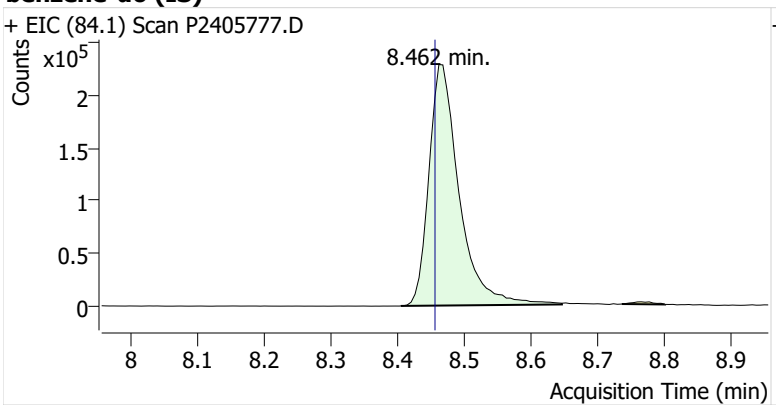
Name	IRVSEA-1-S-20240919
Comment	C38994
Data File	P2405777.D
Acq. Date-Time	10/8/2024 5:15:35 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

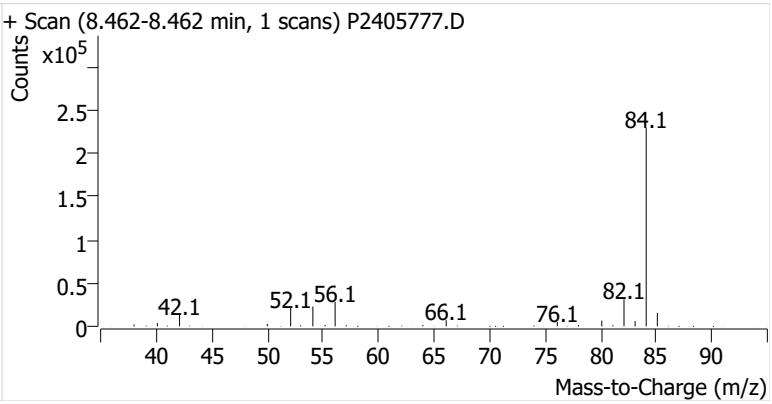
Sample Chromatogram



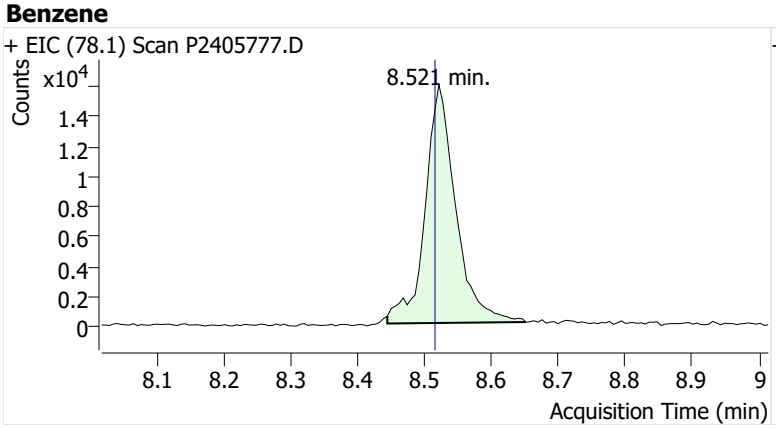
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	719,770	
Benzene	benzene-d6 (IS)	8.521	8.515	50,516	
Toluene-d8 (IS)		11.038	11.032	1,061,404	
Toluene	Toluene-d8 (IS)	11.133	11.121	224,755	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.252	23,913	
m-/p-Xylene	Toluene-d8 (IS)	13.459	13.459	65,311	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	26,711	

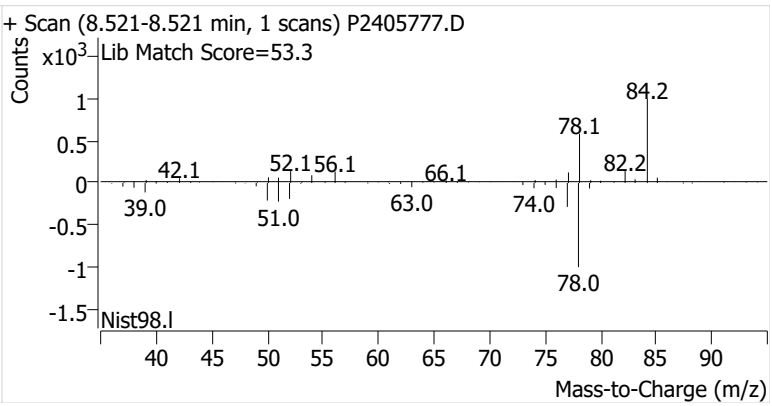
benzene-d6 (IS)



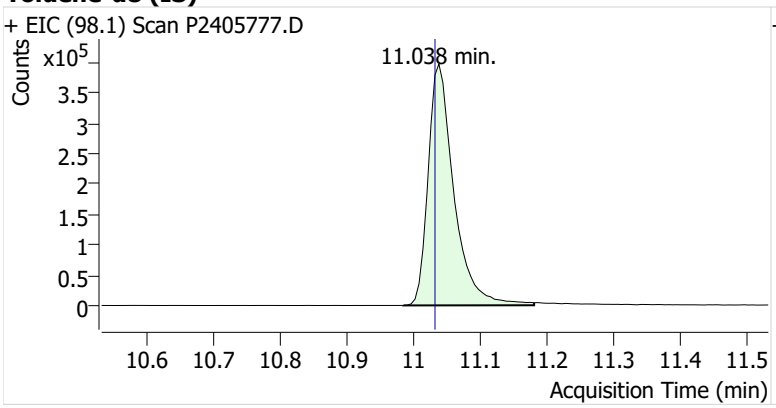


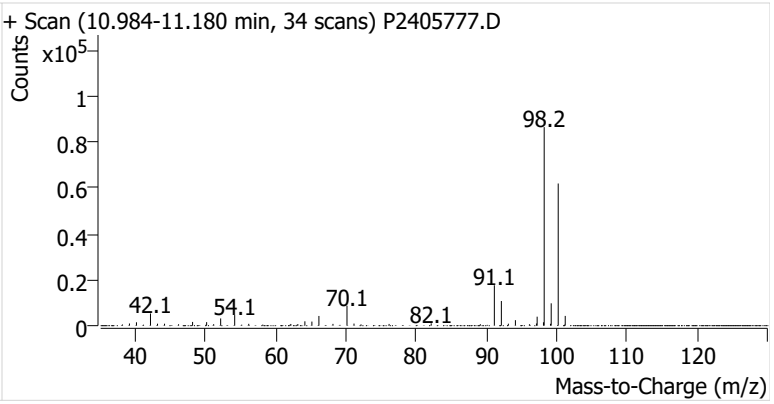
Benzene



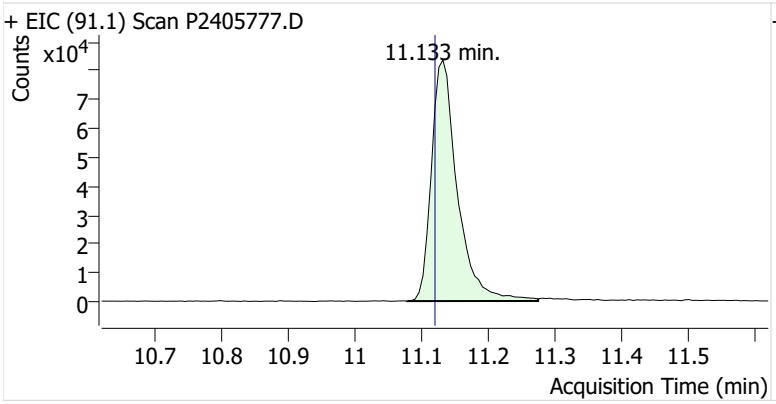


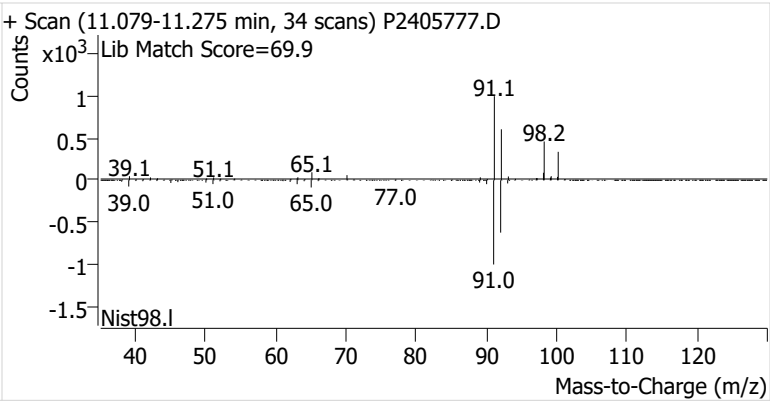
Toluene-d8 (IS)



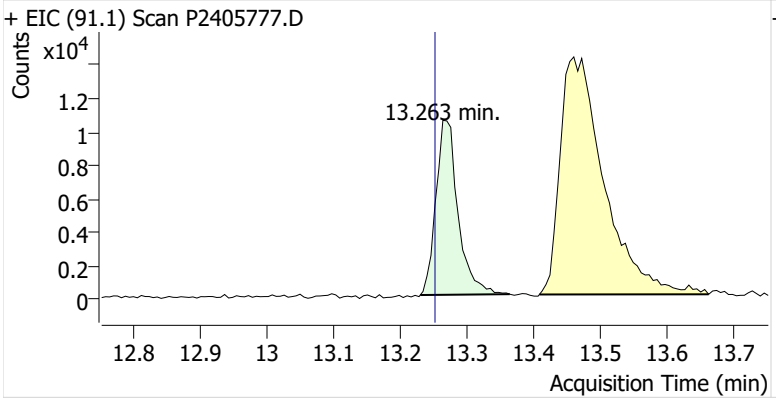


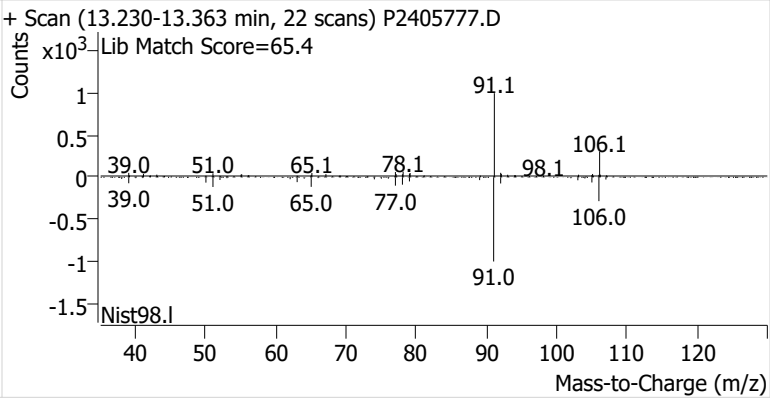
Toluene



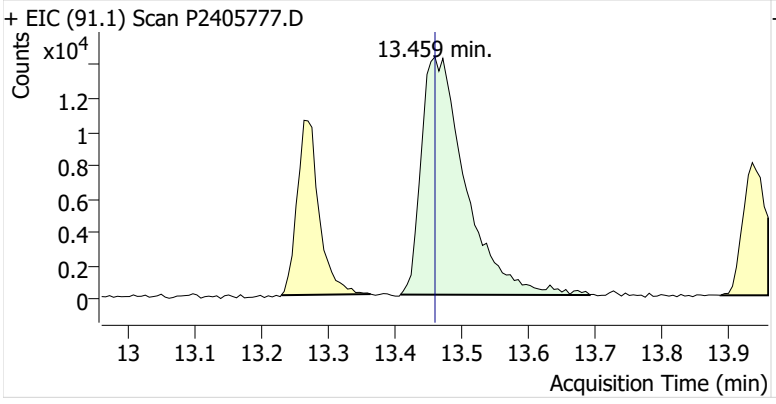


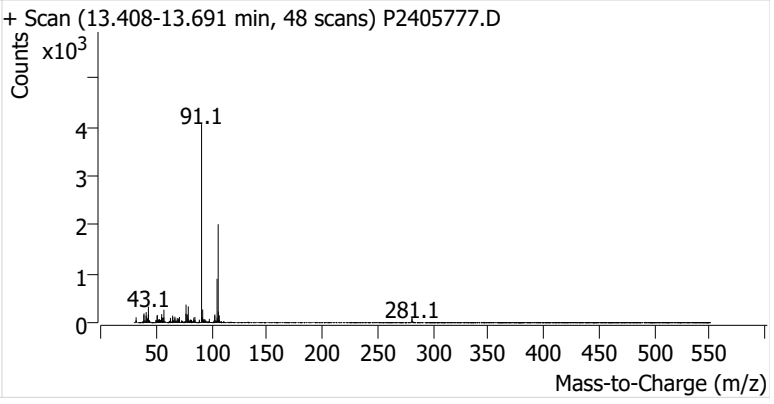
Ethylbenzene



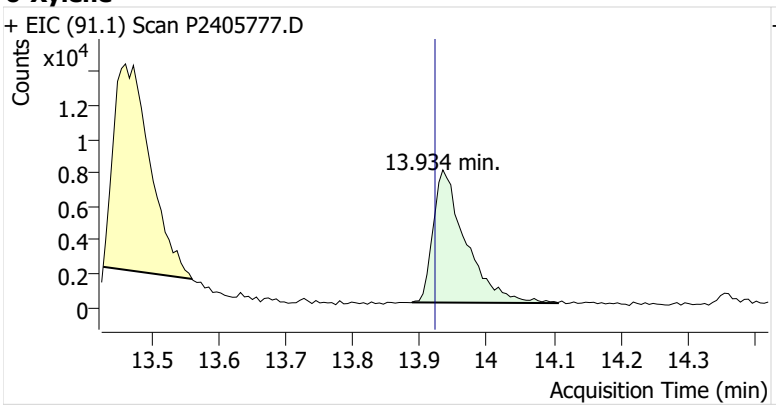


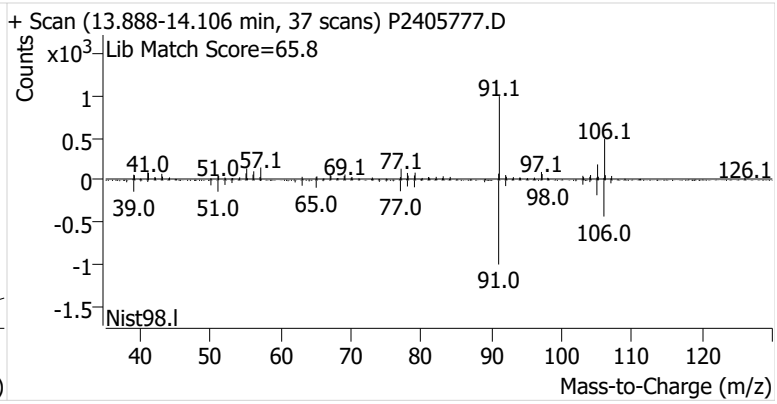
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2405777.D
Counts
x10^4
1.2
1
0.8
0.6
0.4
0.2
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.888-14.106 min, 37 scans) P2405777.D
Counts
x10^3
Lib Match Score=65.8
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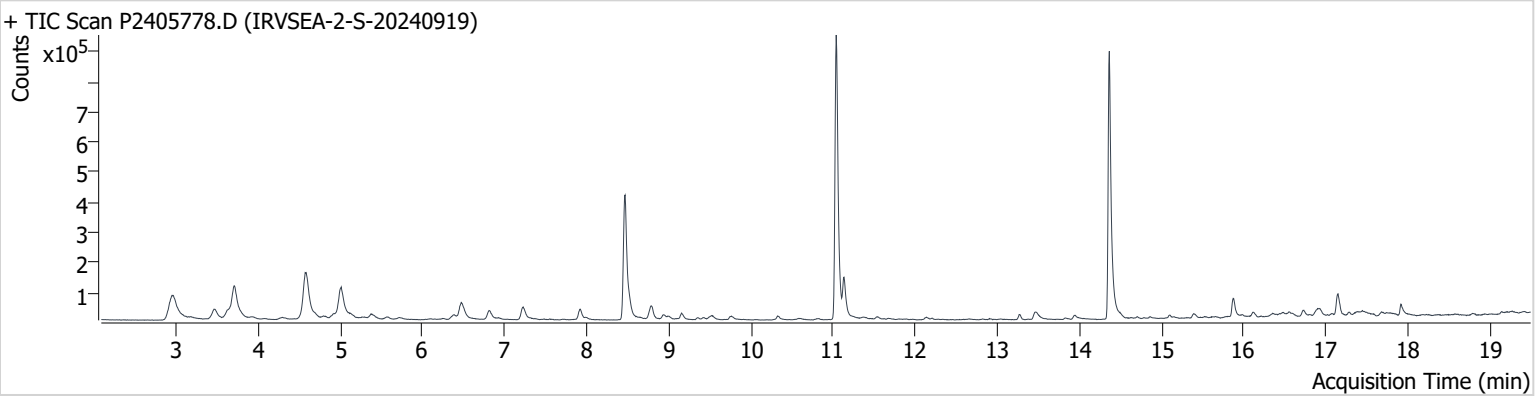
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.0
51.0
57.1
69.1
77.1
97.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

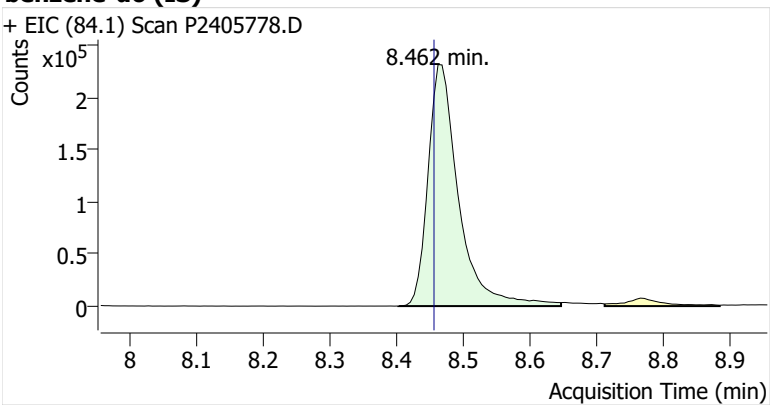
Name	IRVSEA-2-S-20240919
Comment	C40533
Data File	P2405778.D
Acq. Date-Time	10/8/2024 5:52:51 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

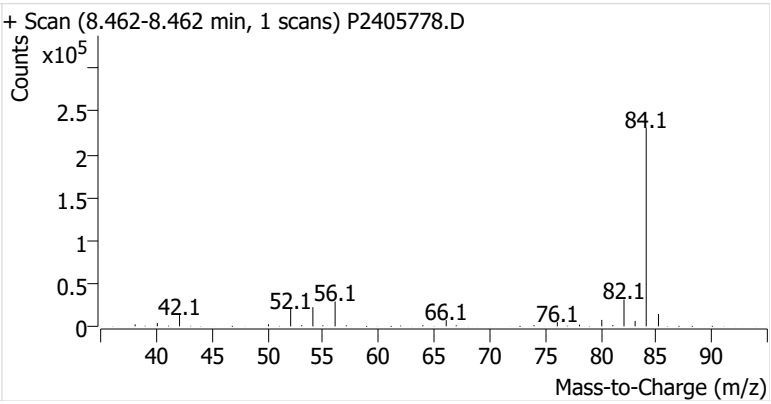
Sample Chromatogram



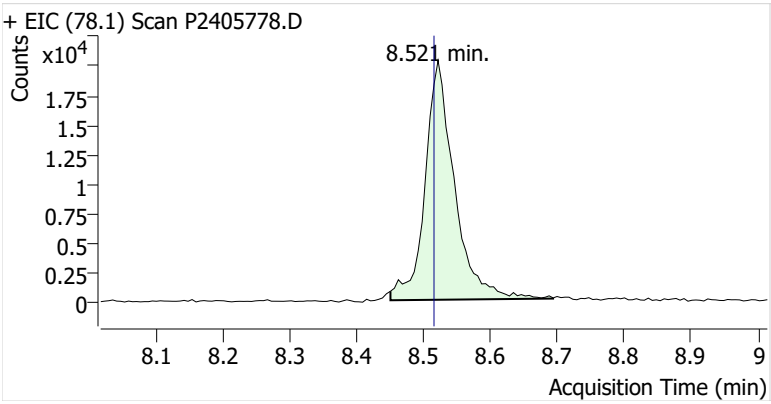
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	734,204	
Benzene	benzene-d6 (IS)	8.521	8.515	62,153	
Toluene-d8 (IS)		11.038	11.032	1,039,035	
Toluene	Toluene-d8 (IS)	11.133	11.121	138,926	
Ethylbenzene	Toluene-d8 (IS)	13.276	13.252	18,094	
m-/p-Xylene	Toluene-d8 (IS)	13.460	13.459	46,648	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	19,115	

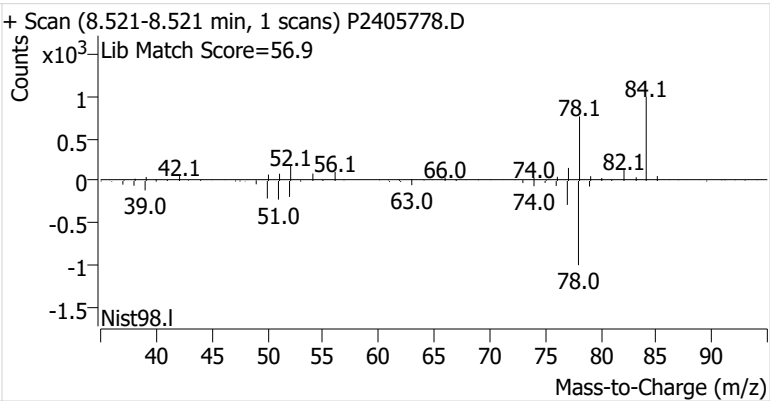
benzene-d6 (IS)



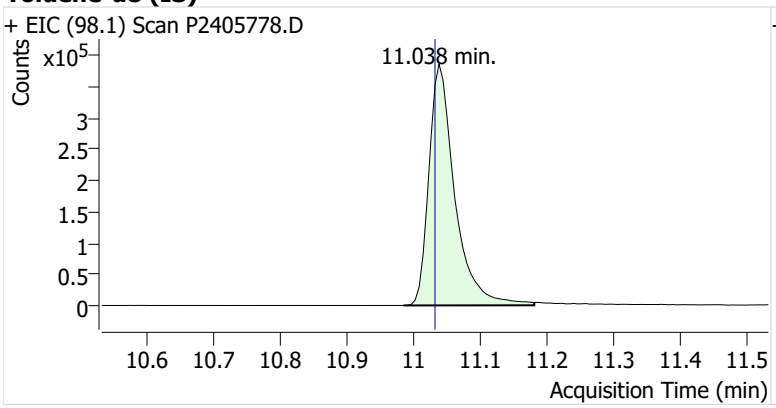


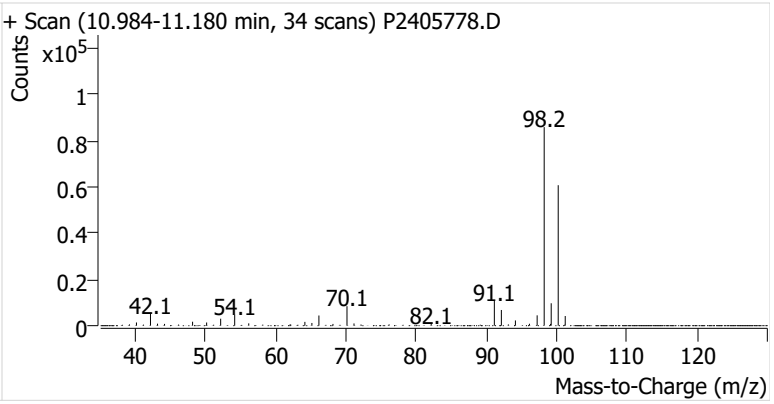
Benzene



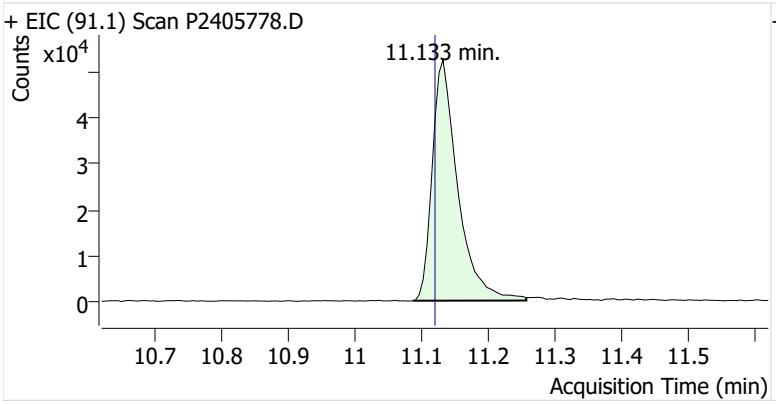


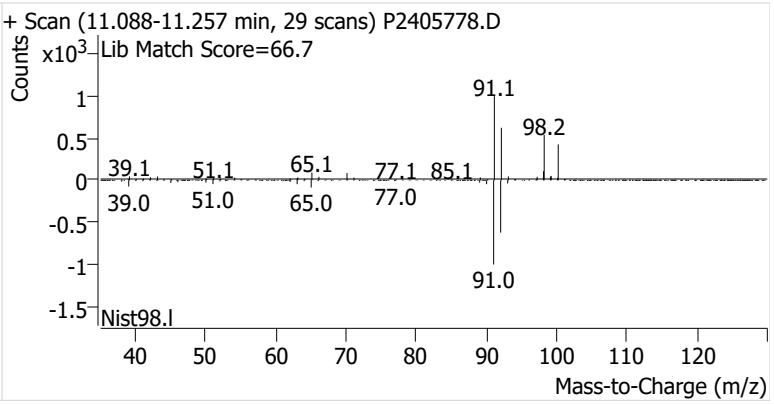
Toluene-d8 (IS)



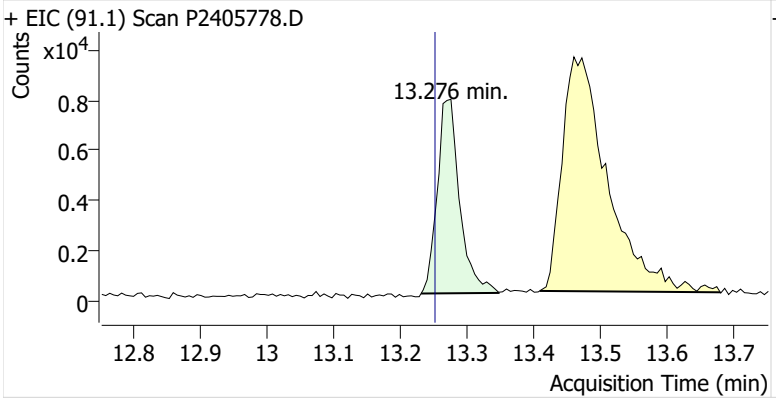


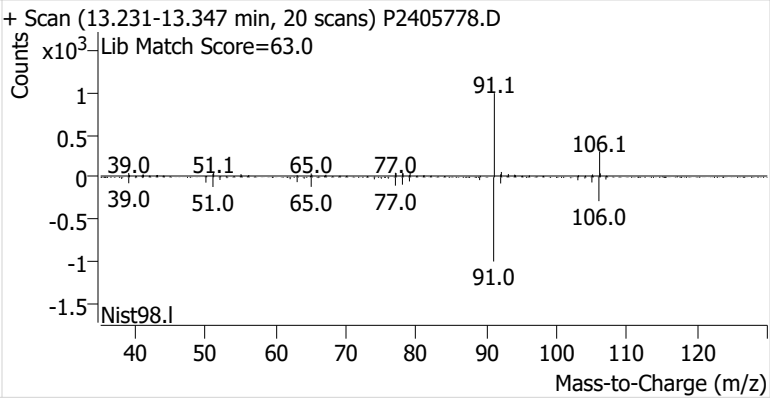
Toluene



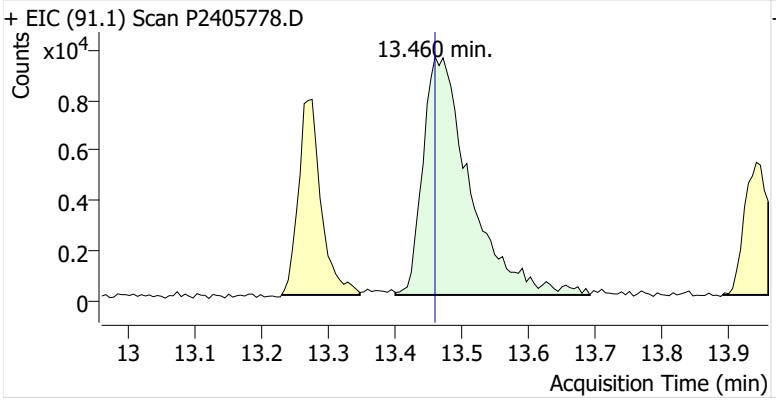


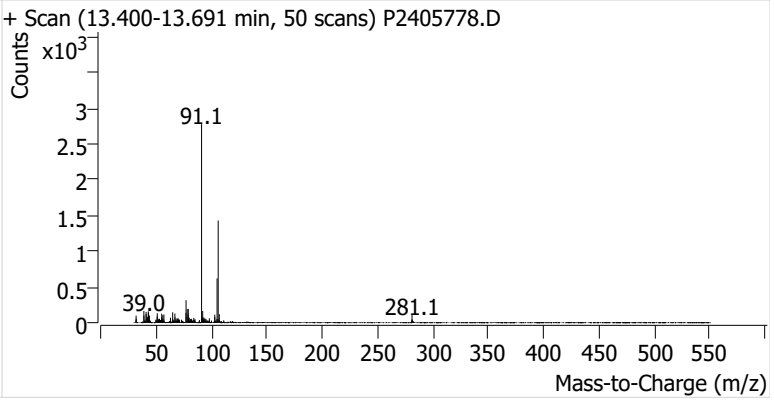
Ethylbenzene



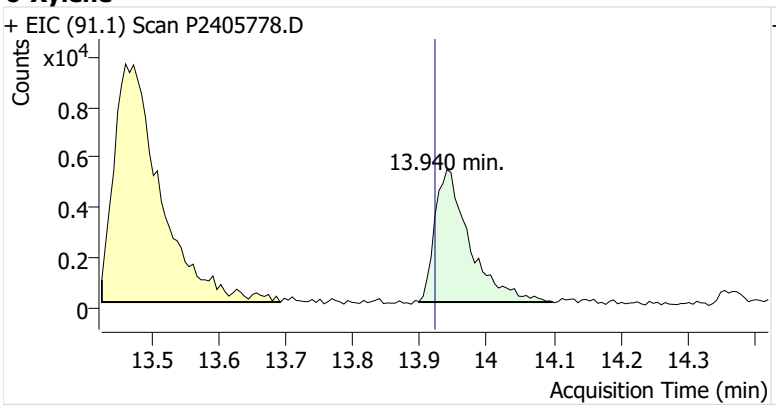


m-/p-Xylene





o-Xylene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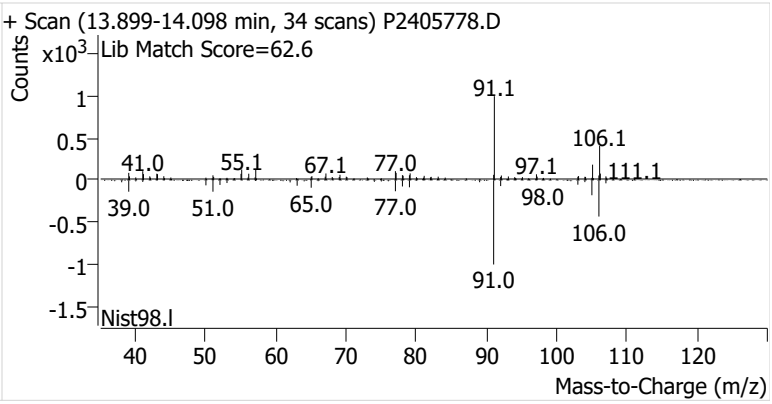
0.4
0.2
0
13.940 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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x10^3
Lib Match Score=62.6
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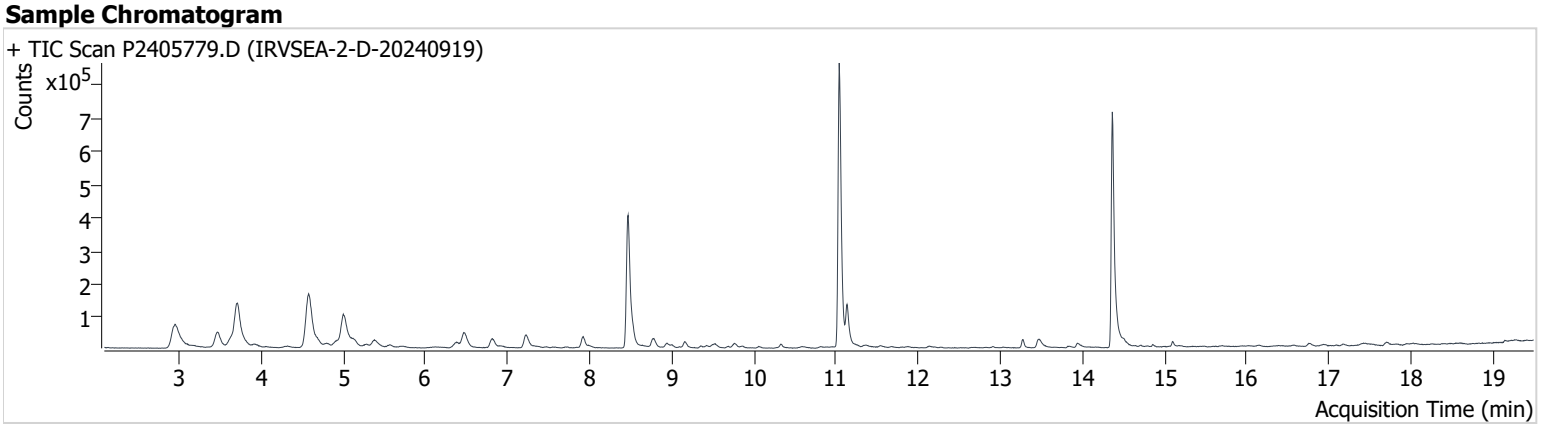
0
-0.5
-1
-1.5
91.1
106.1
41.0
55.1
67.1
77.0
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

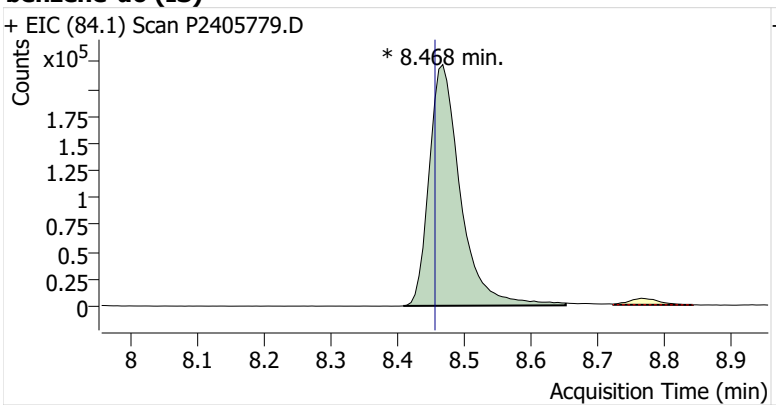
Name	IRVSEA-2-D-20240919
Comment	B33089
Data File	P2405779.D
Acq. Date-Time	10/8/2024 6:30:29 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

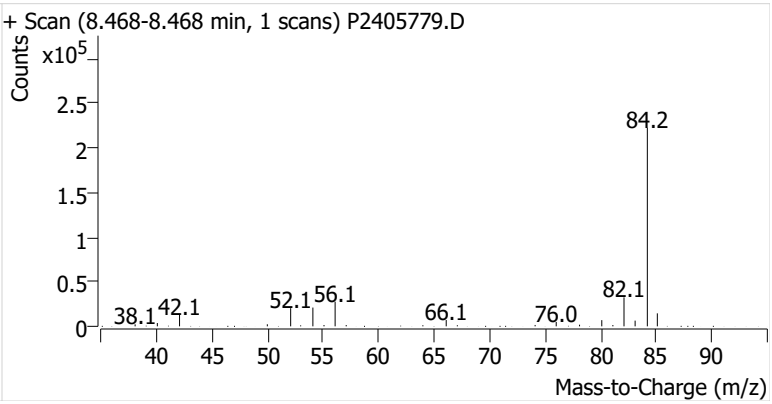
Sample Chromatogram



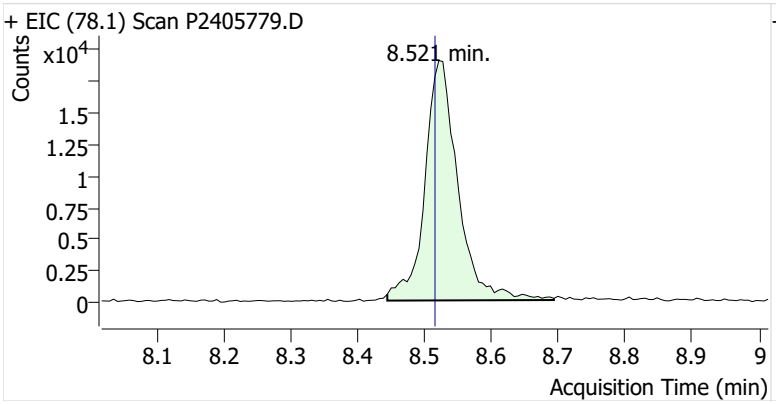
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.468	8.456	722,814	m
Benzene	benzene-d6 (IS)	8.521	8.515	65,377	
Toluene-d8 (IS)		11.038	11.032	961,111	
Toluene	Toluene-d8 (IS)	11.133	11.121	129,427	
Ethylbenzene	Toluene-d8 (IS)	13.269	13.252	28,426	
m-/p-Xylene	Toluene-d8 (IS)	13.465	13.459	47,365	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	19,207	

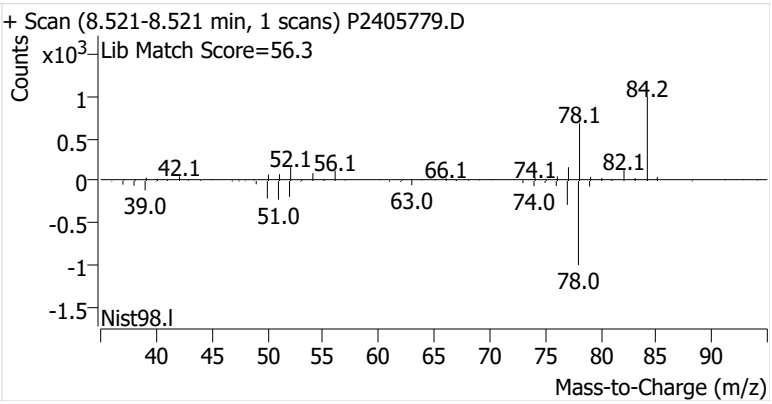
benzene-d6 (IS)



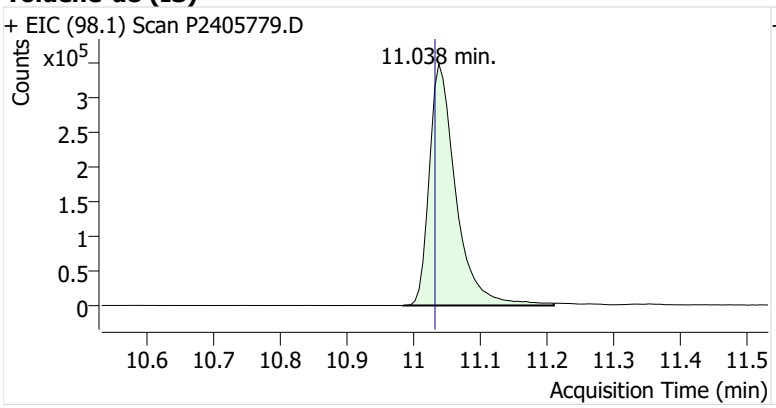


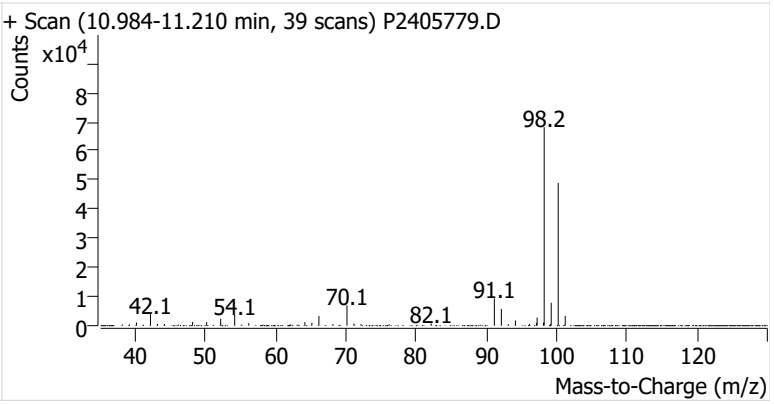
Benzene



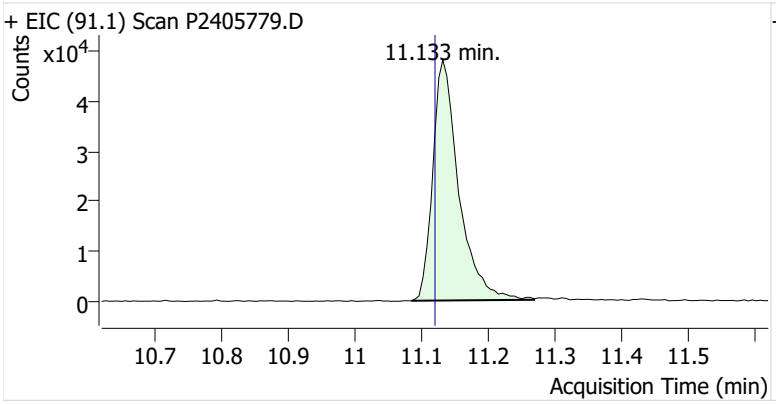


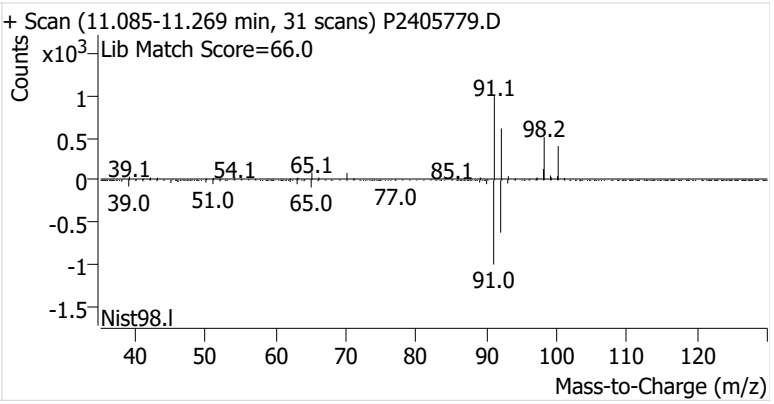
Toluene-d8 (IS)



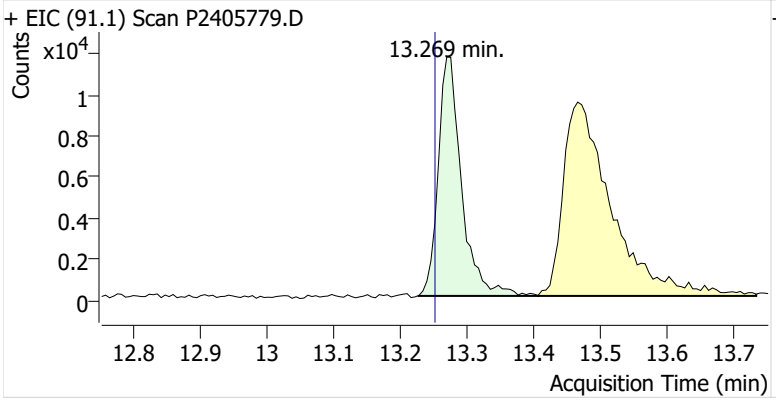


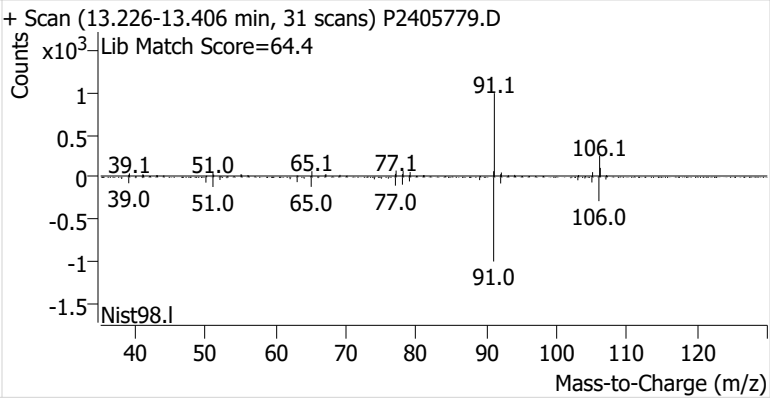
Toluene



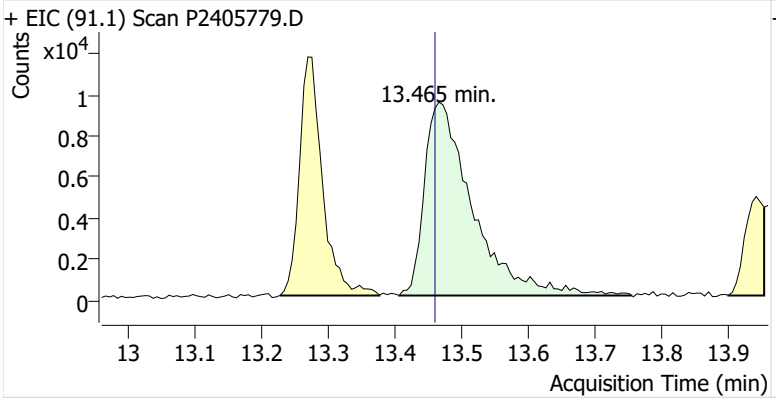


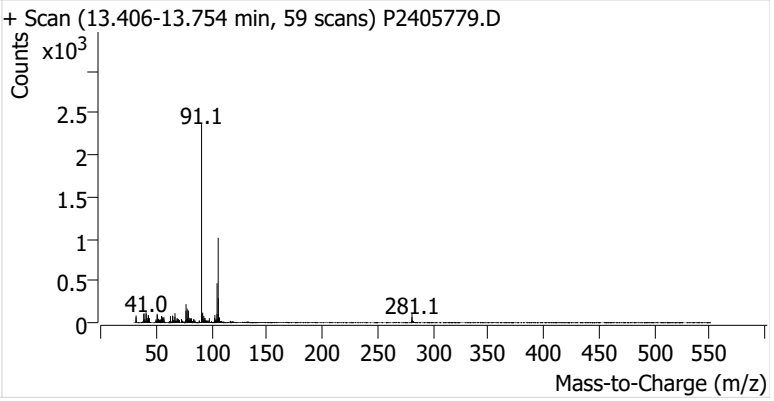
Ethylbenzene



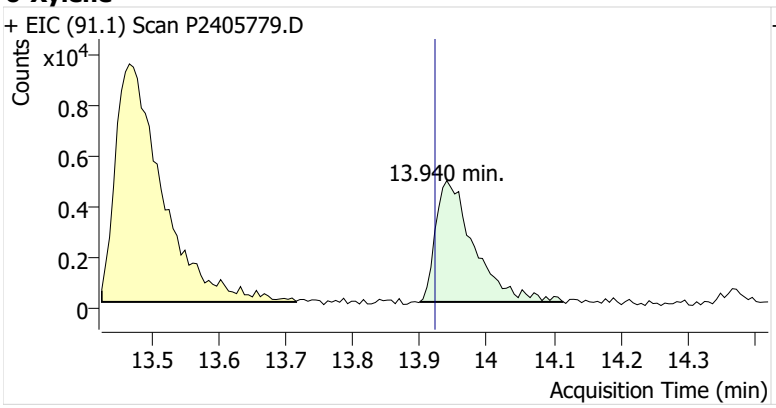


m-/p-Xylene





o-Xylene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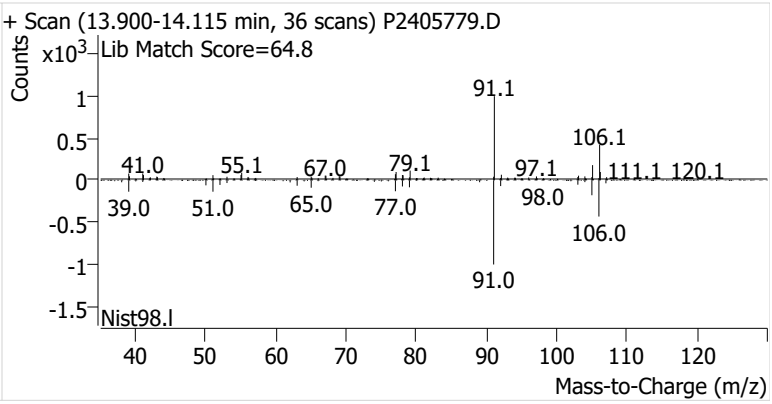
0.2
0
13.940 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.900-14.115 min, 36 scans) P2405779.D
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-0.5
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-1.5
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106.1
41.0
55.1
67.0
79.1
97.1
111.1
120.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
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50
60
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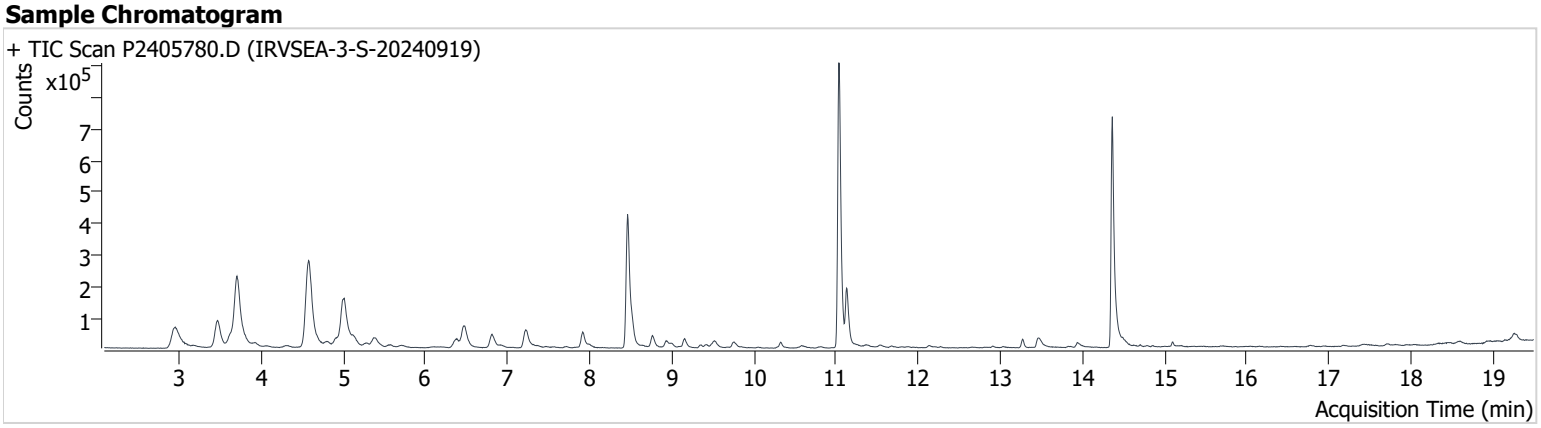
80
90
100
110
120
Mass-to-Charge (m/z)

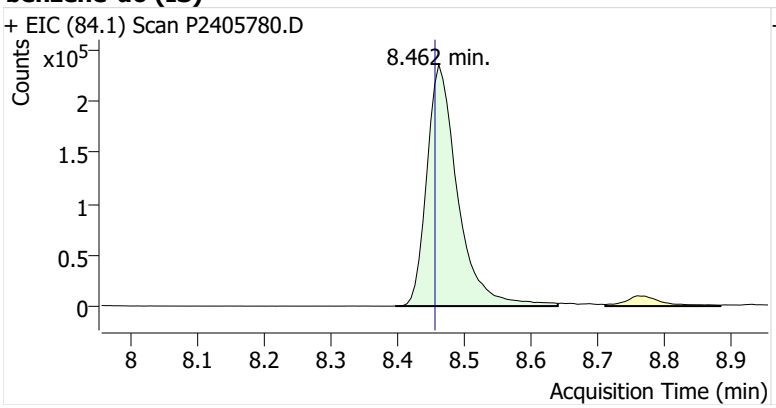
Name	IRVSEA-3-S-20240919
Comment	B38607
Data File	P2405780.D
Acq. Date-Time	10/8/2024 7:07:45 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

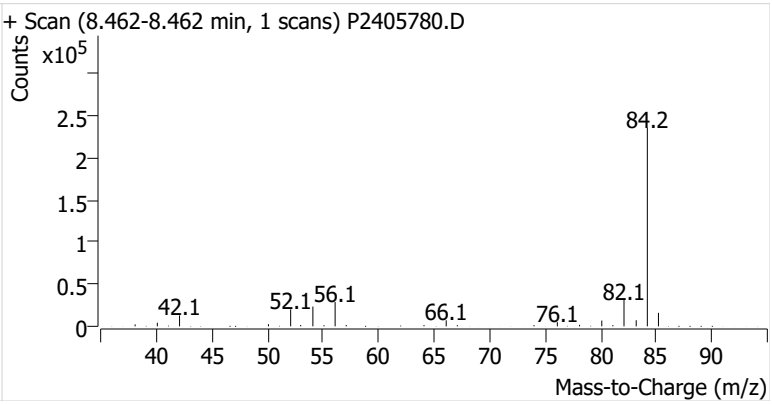
Sample Chromatogram



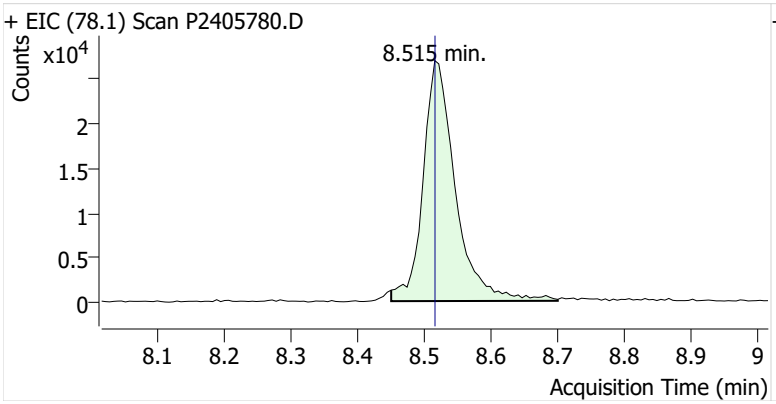
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	753,622	
Benzene	benzene-d6 (IS)	8.515	8.515	90,696	
Toluene-d8 (IS)		11.032	11.032	1,004,701	
Toluene	Toluene-d8 (IS)	11.127	11.121	206,802	
Ethylbenzene	Toluene-d8 (IS)	13.269	13.252	29,164	
m-/p-Xylene	Toluene-d8 (IS)	13.471	13.459	56,665	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	22,357	

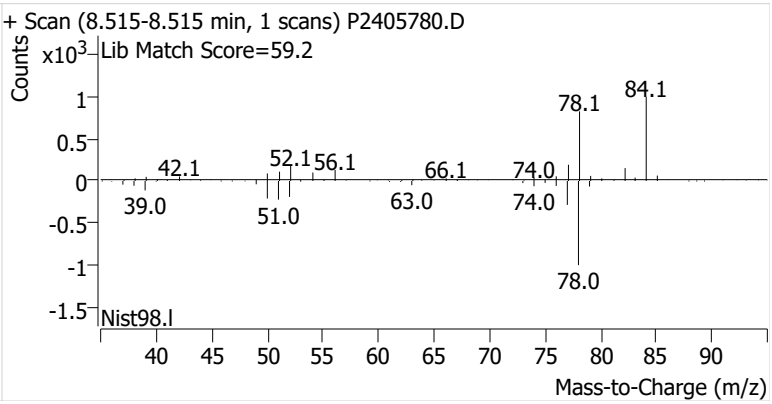
benzene-d6 (IS)



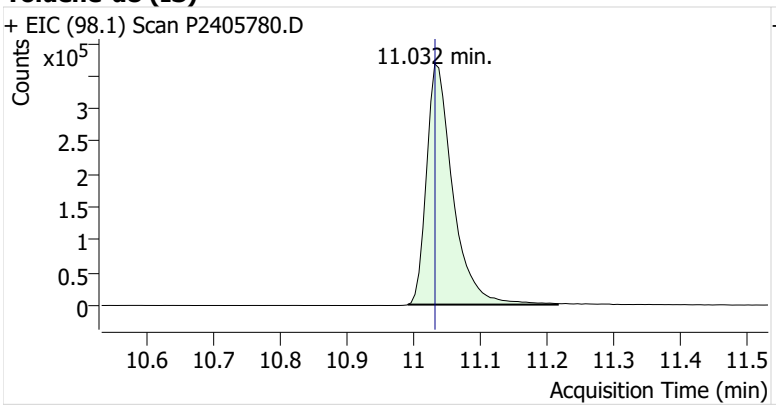


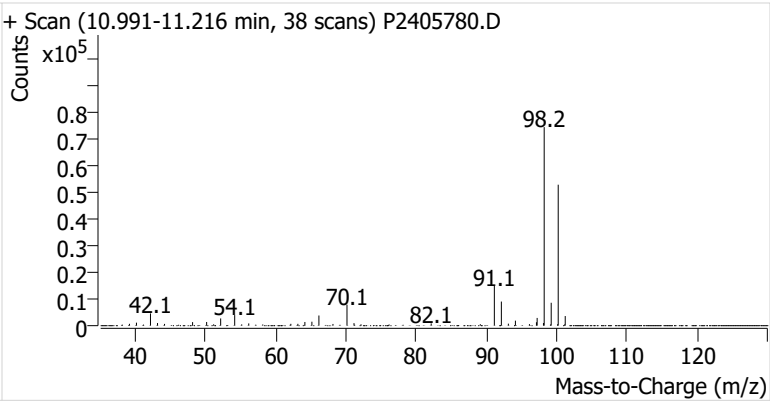
Benzene



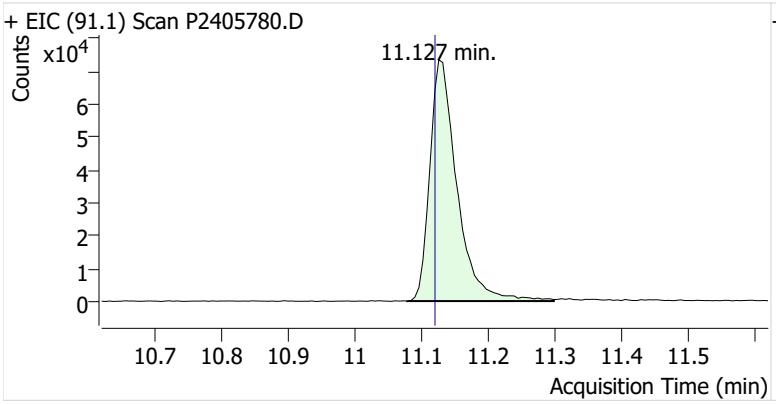


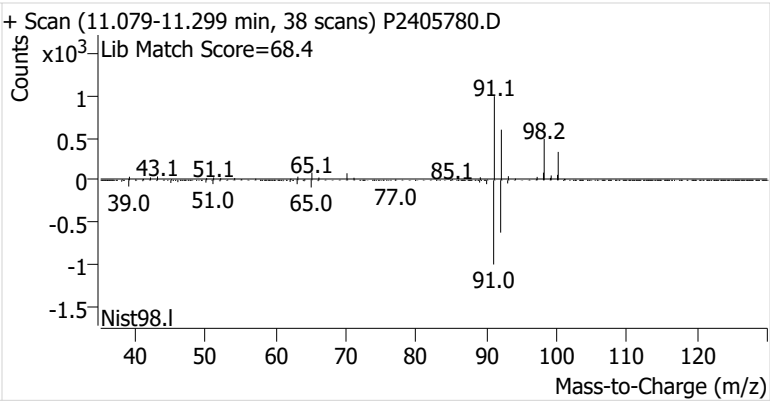
Toluene-d8 (IS)



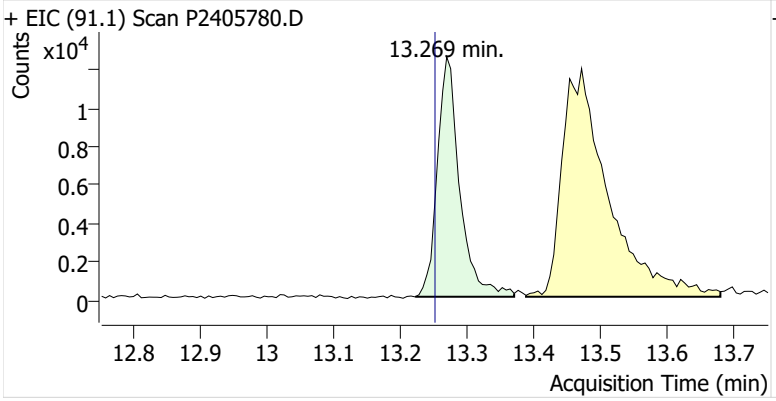


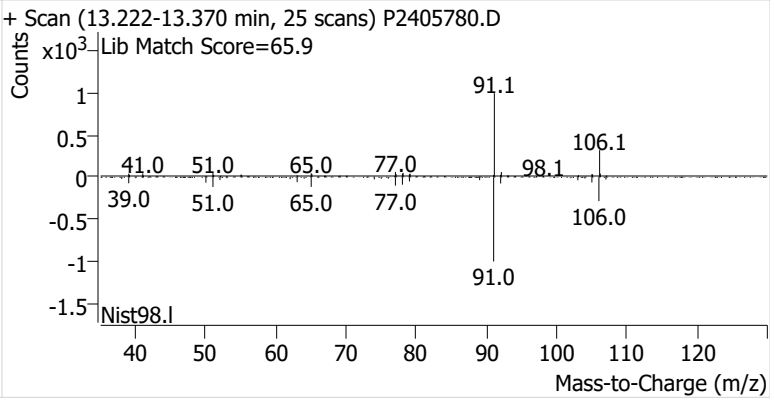
Toluene



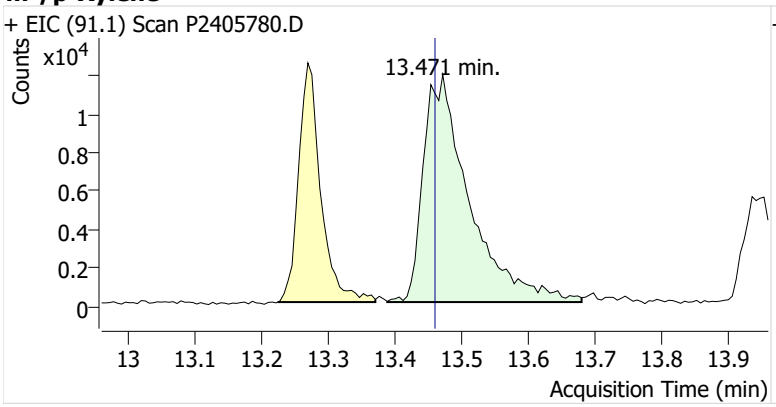


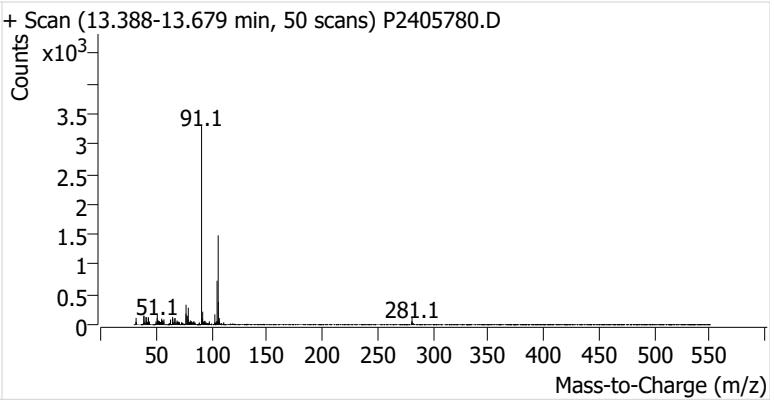
Ethylbenzene



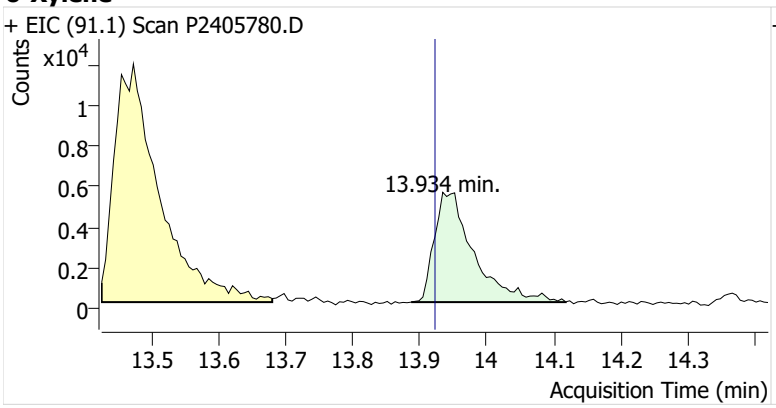


m-/p-Xylene





o-Xylene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0.2
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13.5
13.6
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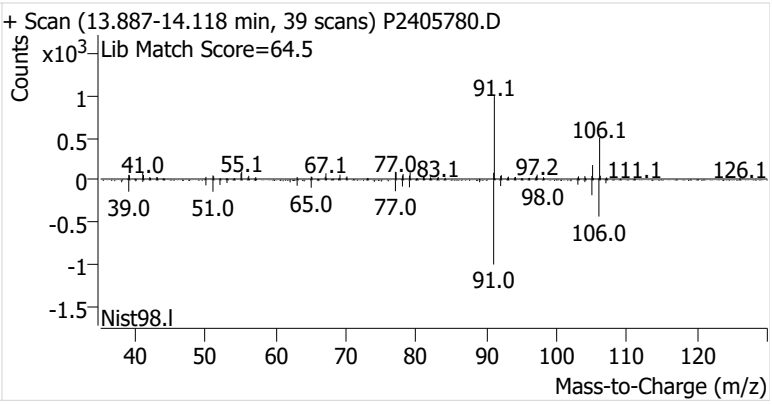
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Lib Match Score=64.5
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0
-0.5
-1
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106.1
41.0
55.1
67.1
77.0
83.1
97.2
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
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50
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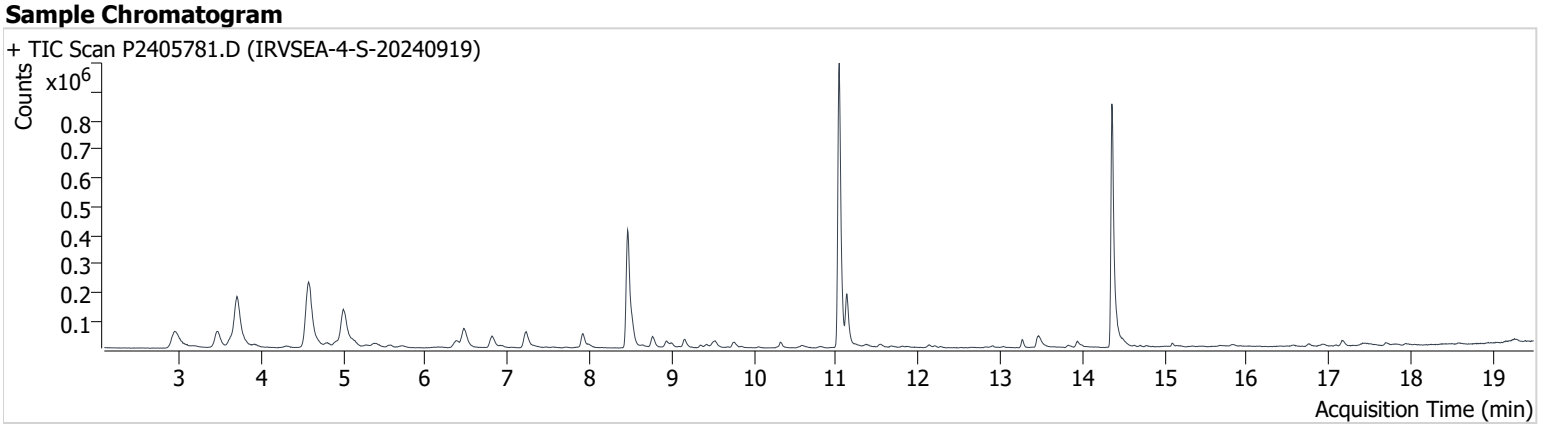
70
80
90
100
110
120
Mass-to-Charge (m/z)

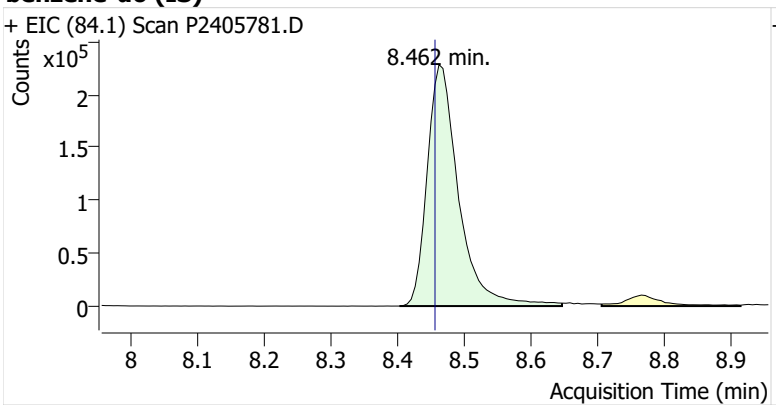
Name	IRVSEA-4-S-20240919
Comment	B48605
Data File	P2405781.D
Acq. Date-Time	10/8/2024 7:45:01 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

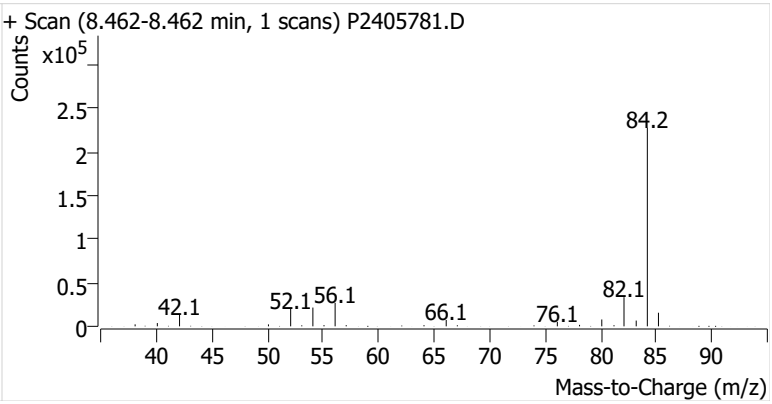
Sample Chromatogram



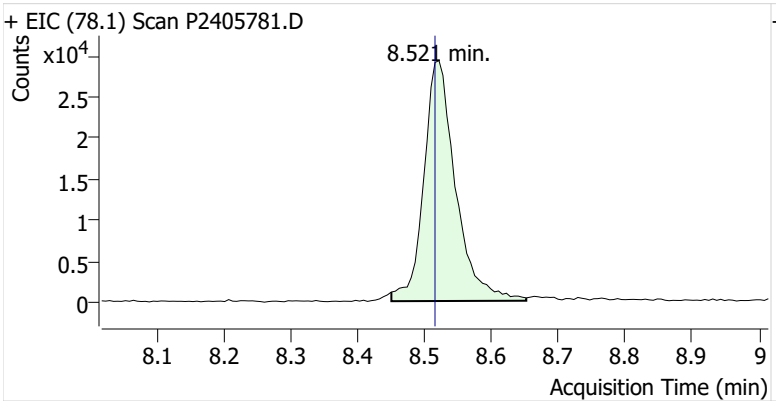
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	743,279	
Benzene	benzene-d6 (IS)	8.521	8.515	96,964	
Toluene-d8 (IS)		11.038	11.032	1,075,952	
Toluene	Toluene-d8 (IS)	11.133	11.121	195,318	
Ethylbenzene	Toluene-d8 (IS)	13.264	13.252	28,013	
m-/p-Xylene	Toluene-d8 (IS)	13.459	13.459	69,473	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	28,047	

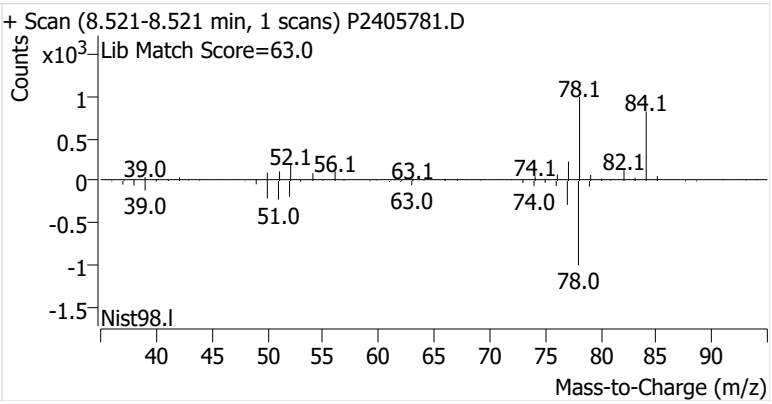
benzene-d6 (IS)



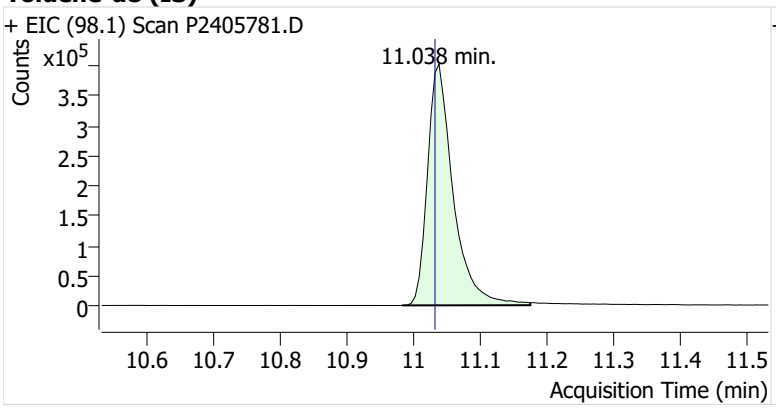


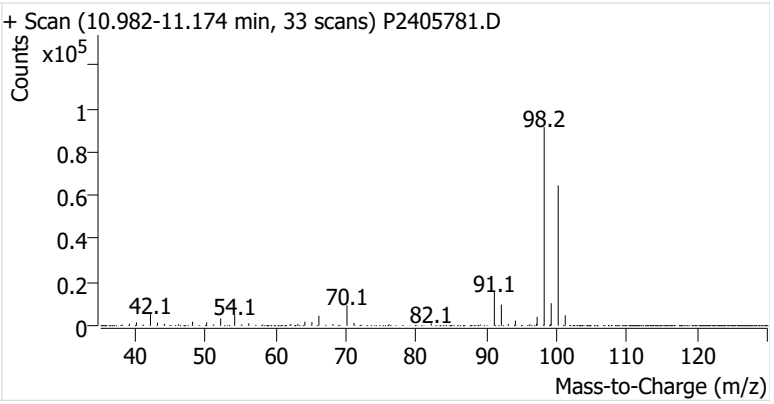
Benzene



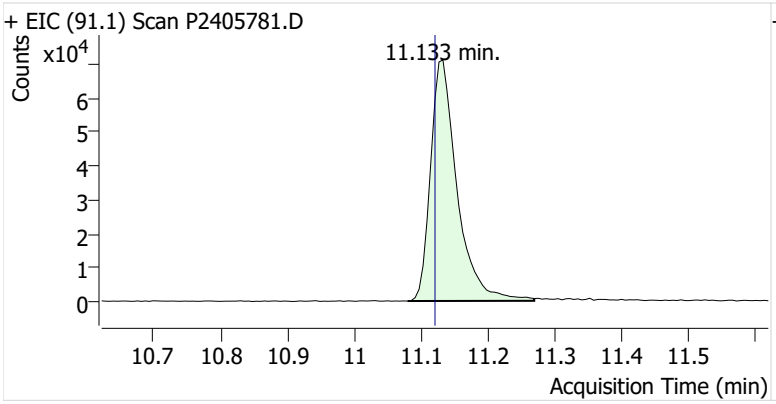


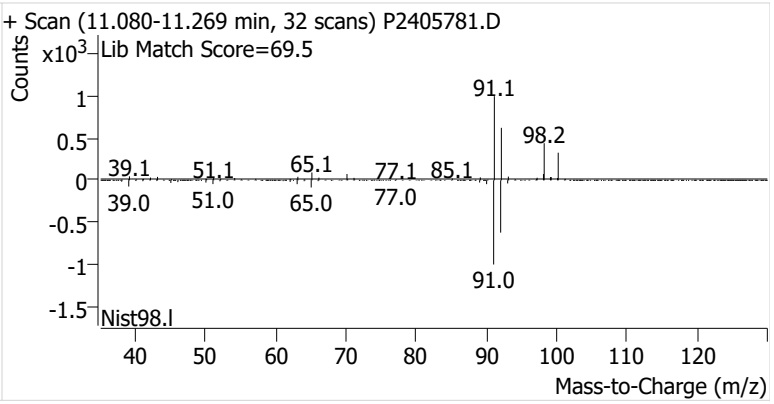
Toluene-d8 (IS)



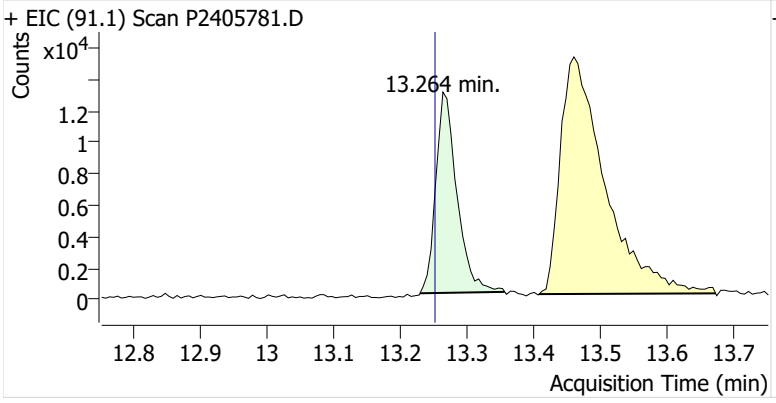


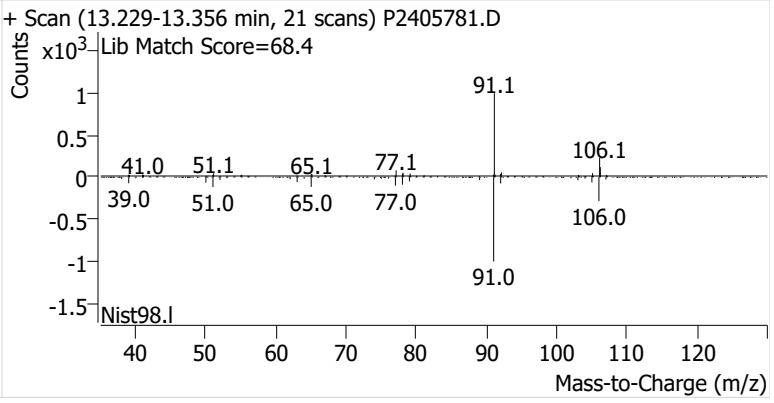
Toluene



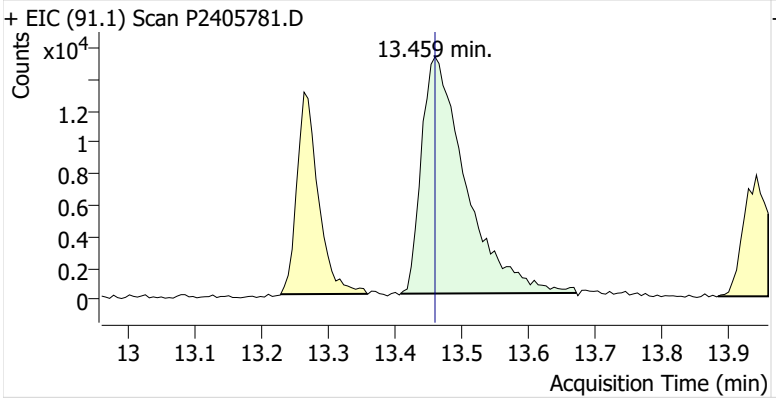


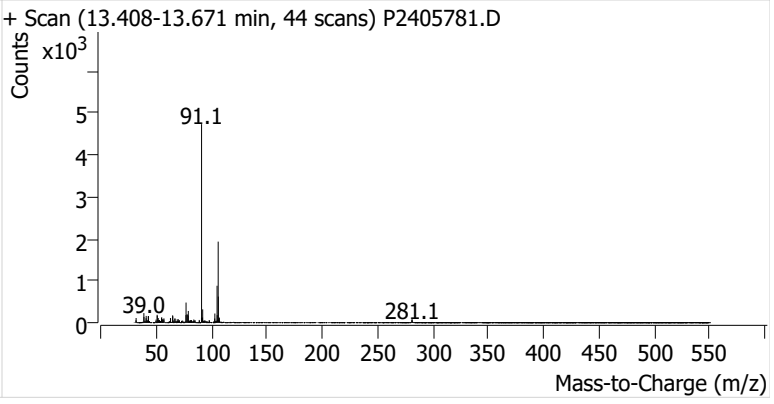
Ethylbenzene



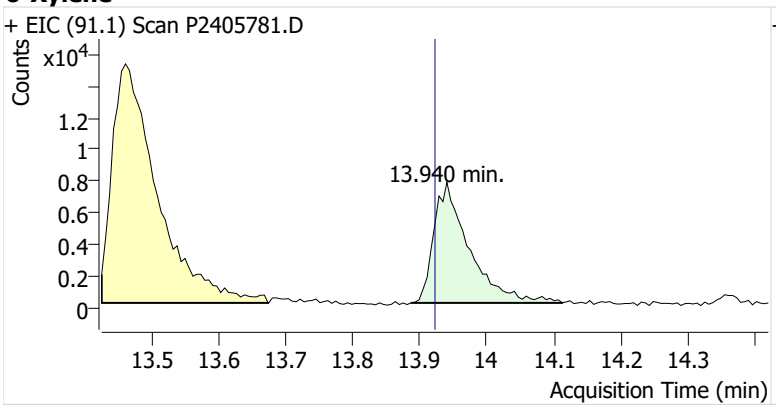


m-/p-Xylene





o-Xylene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0.4
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13.6
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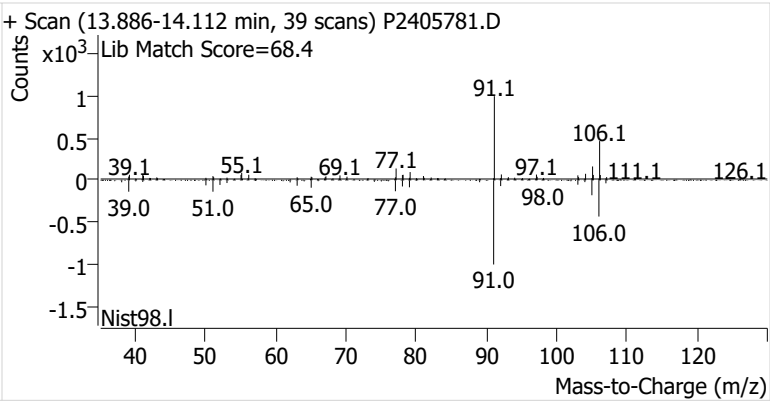
14
14.1
14.2
14.3
Acquisition Time (min)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69.1
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111.1
126.1
39.0
51.0
65.0
77.0
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106.0
91.0
Nist98.l
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80
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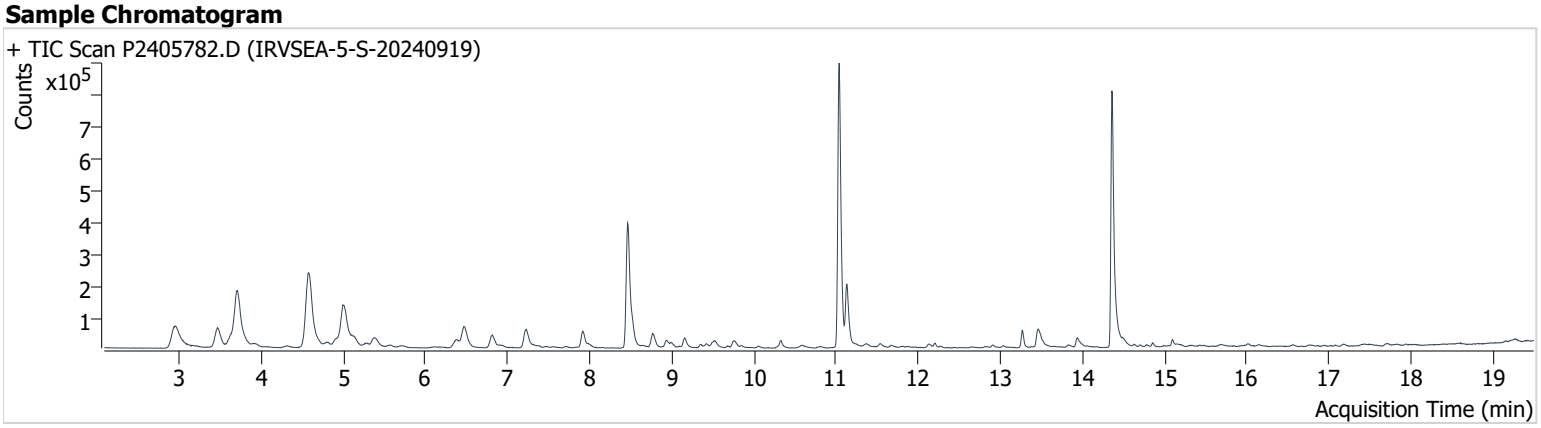
100
110
120
Mass-to-Charge (m/z)

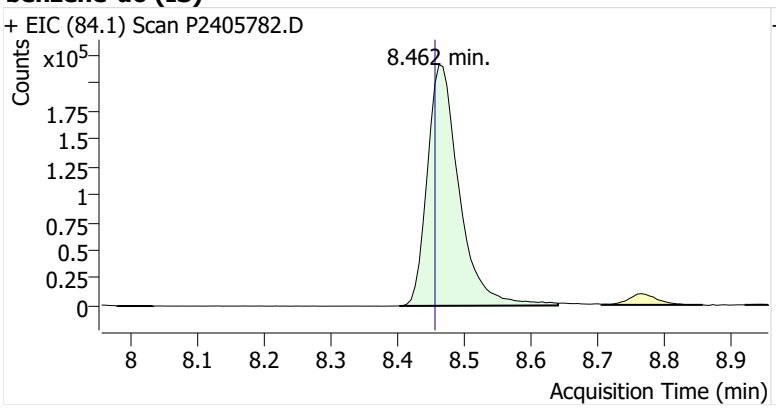
Name	IRVSEA-5-S-20240919
Comment	B34770
Data File	P2405782.D
Acq. Date-Time	10/8/2024 8:22:17 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

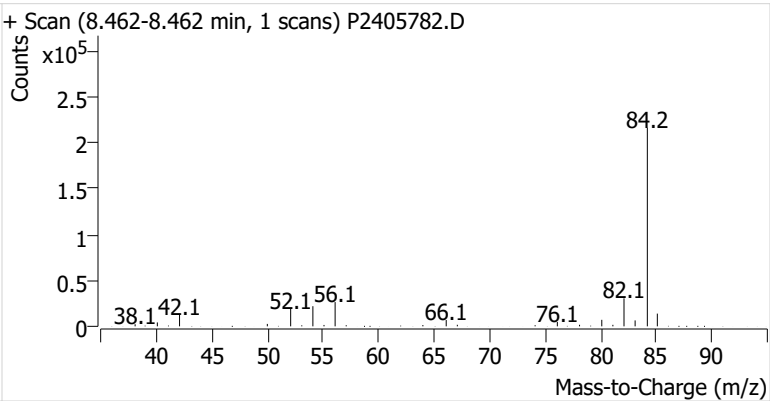
Sample Chromatogram



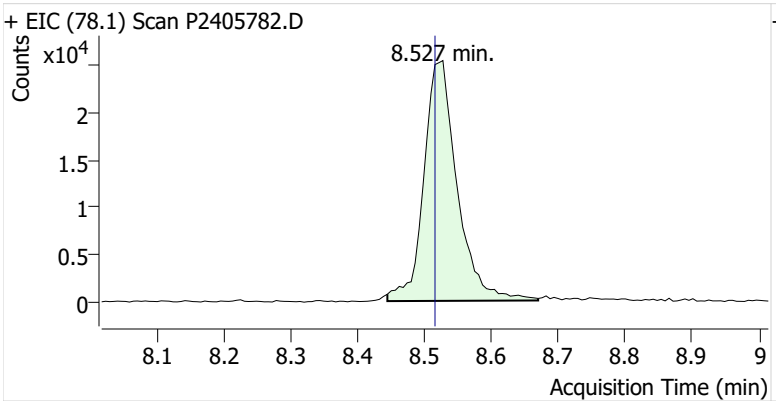
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	715,767	
Benzene	benzene-d6 (IS)	8.527	8.515	87,629	
Toluene-d8 (IS)		11.038	11.032	986,308	
Toluene	Toluene-d8 (IS)	11.133	11.121	216,310	
Ethylbenzene	Toluene-d8 (IS)	13.269	13.252	55,226	
m-/p-Xylene	Toluene-d8 (IS)	13.459	13.459	91,703	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	42,372	

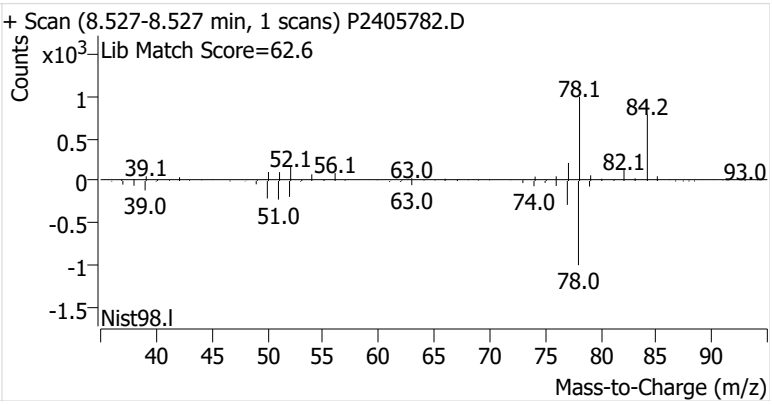
benzene-d6 (IS)



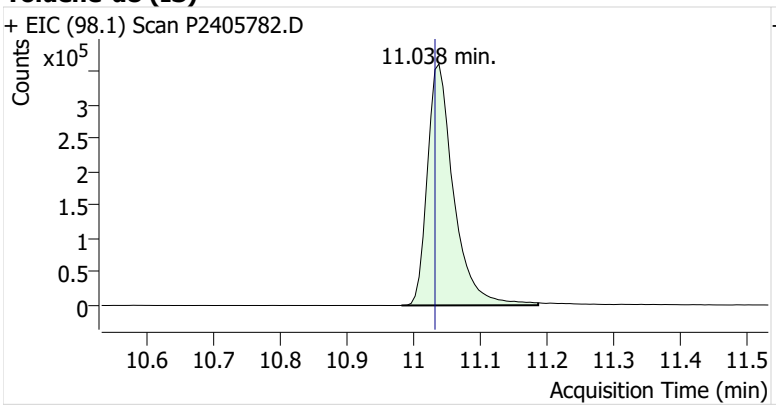


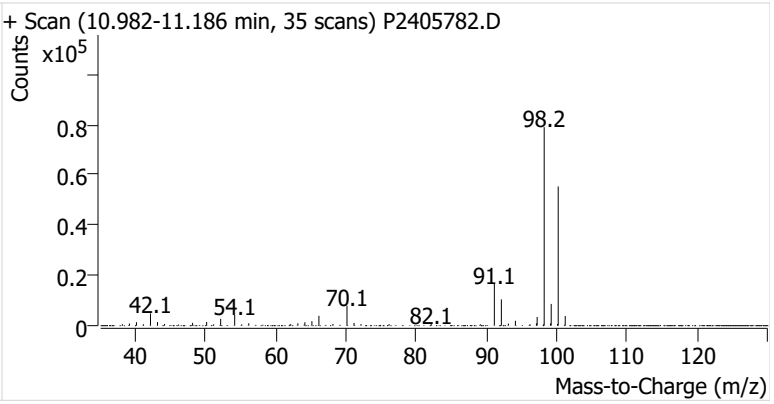
Benzene



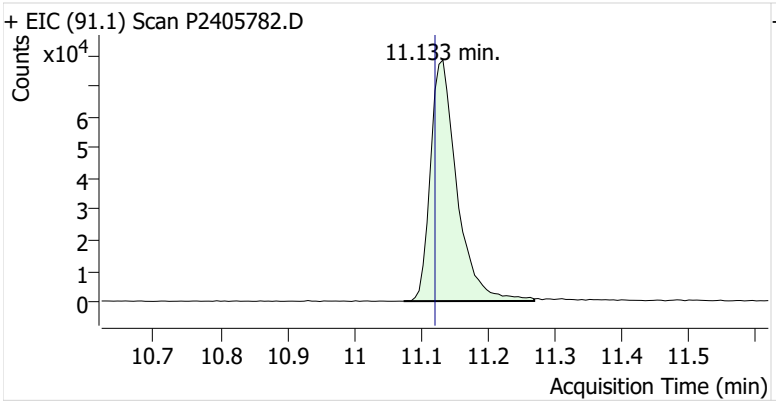


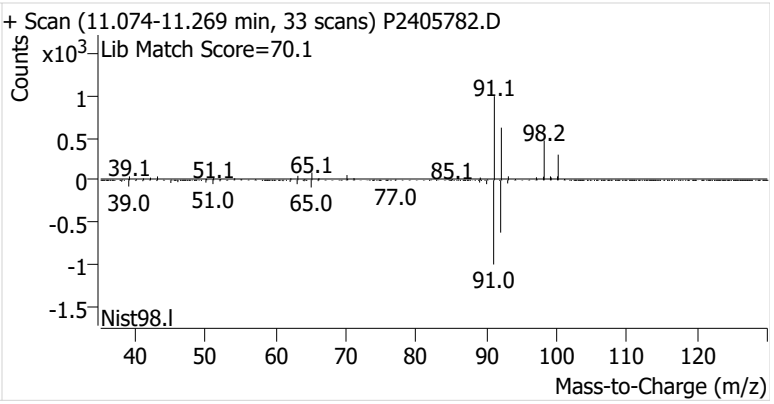
Toluene-d8 (IS)



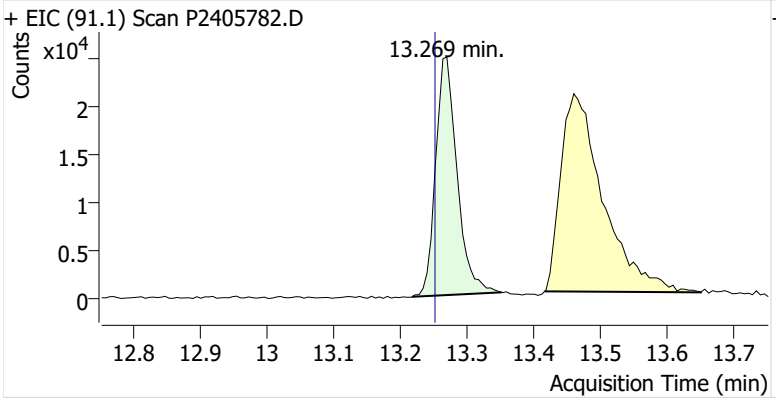


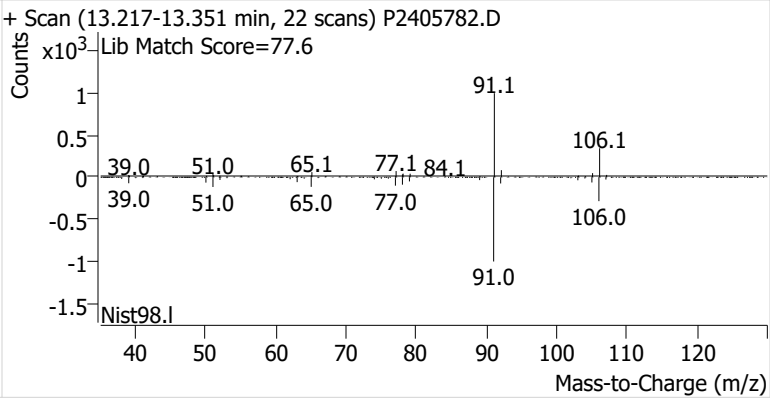
Toluene



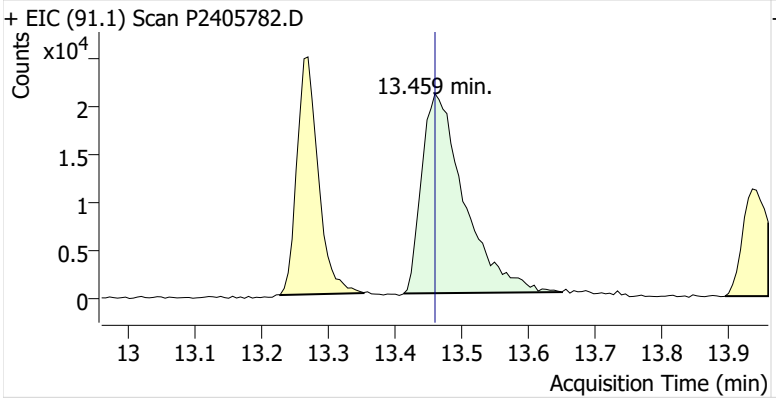


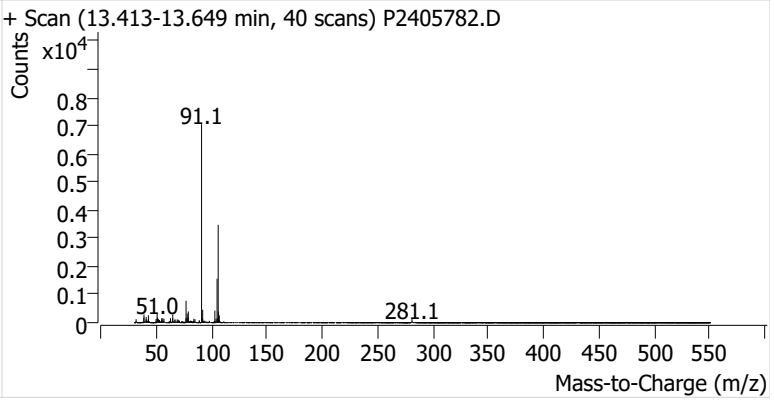
Ethylbenzene



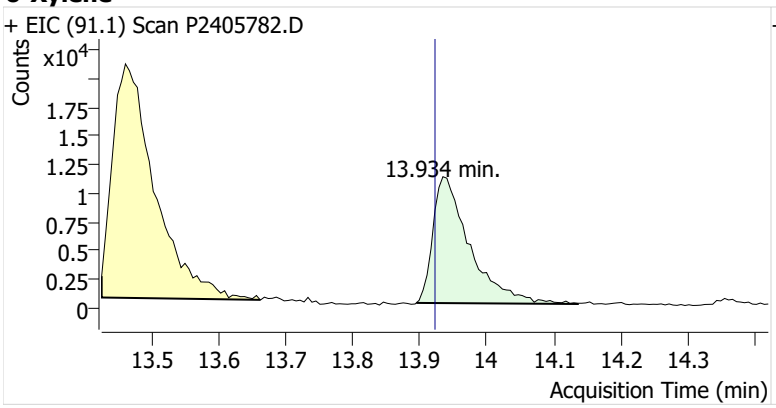


m-/p-Xylene





o-Xylene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1.25
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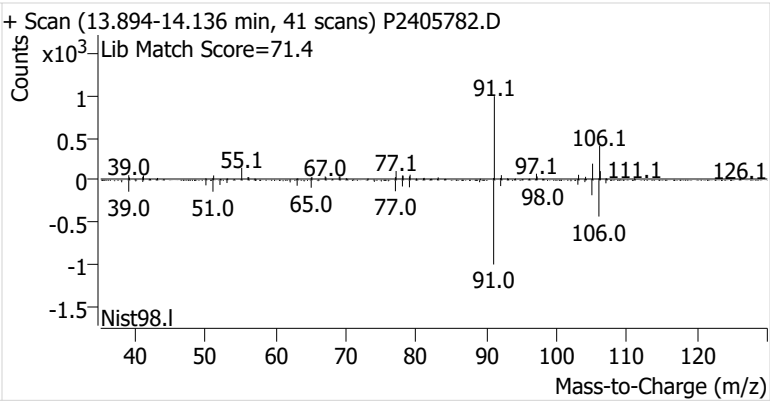
0.75
0.5
0.25
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Lib Match Score=71.4
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-1
-1.5
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106.1
39.0
55.1
67.0
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
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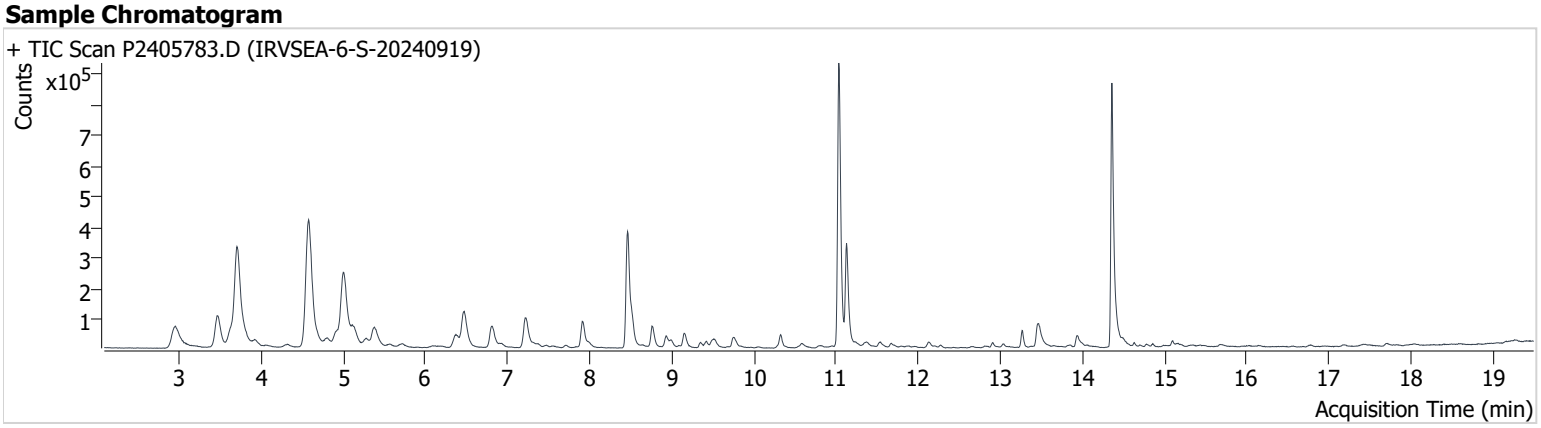
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

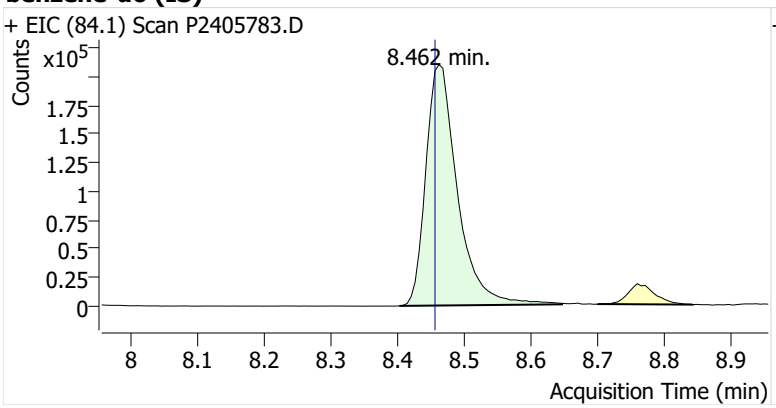
Name	IRVSEA-6-S-20240919
Comment	B37458
Data File	P2405783.D
Acq. Date-Time	10/8/2024 8:59:33 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

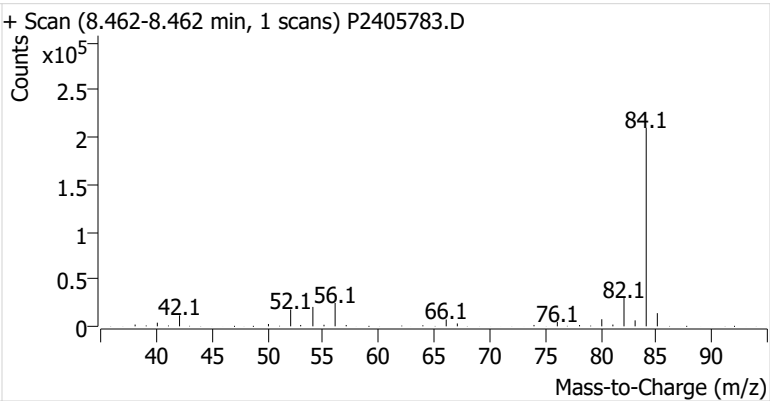
Sample Chromatogram



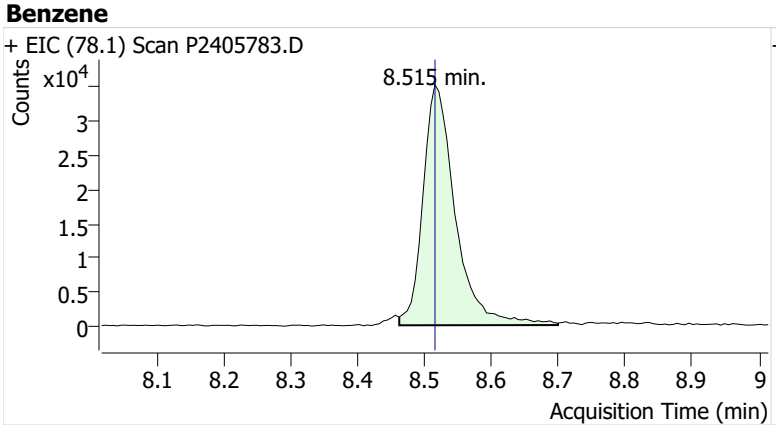
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	688,764	
Benzene	benzene-d6 (IS)	8.515	8.515	118,363	
Toluene-d8 (IS)		11.032	11.032	1,014,605	
Toluene	Toluene-d8 (IS)	11.127	11.121	378,190	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.252	57,536	
m-/p-Xylene	Toluene-d8 (IS)	13.465	13.459	129,499	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	51,057	

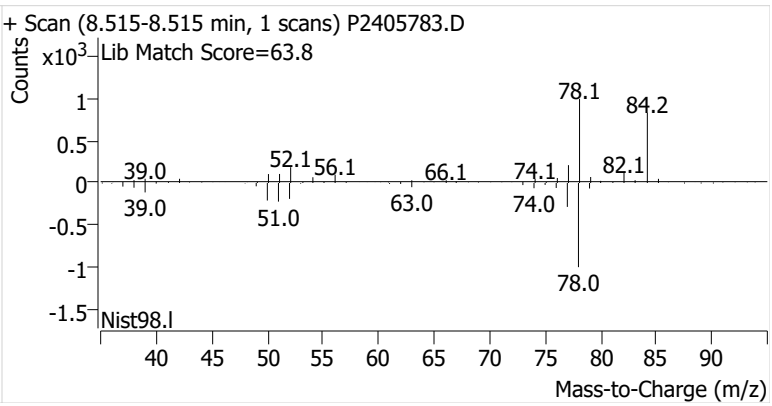
benzene-d6 (IS)



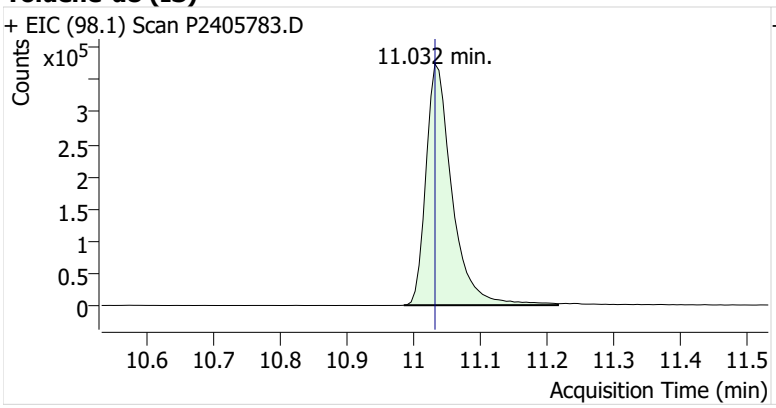


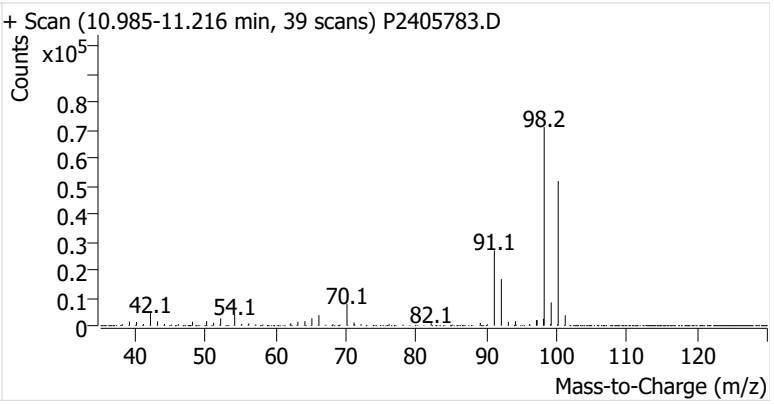
Benzene



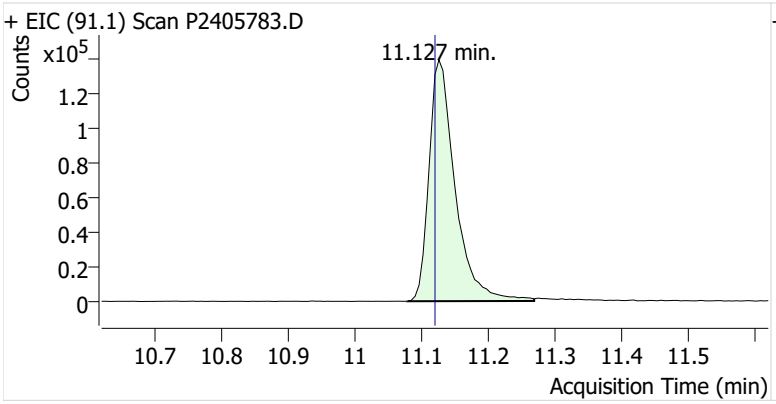


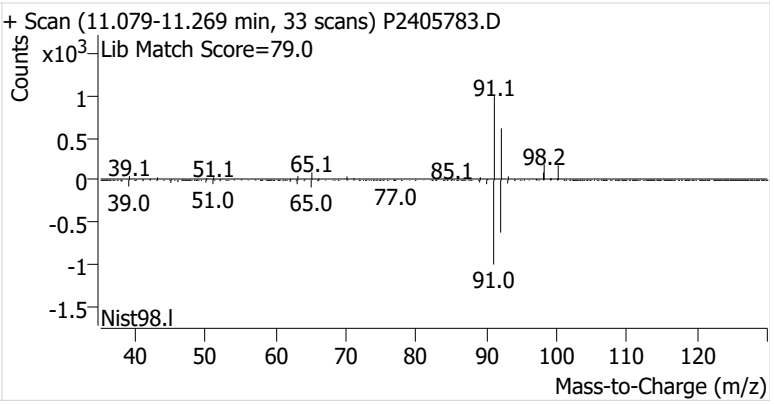
Toluene-d8 (IS)



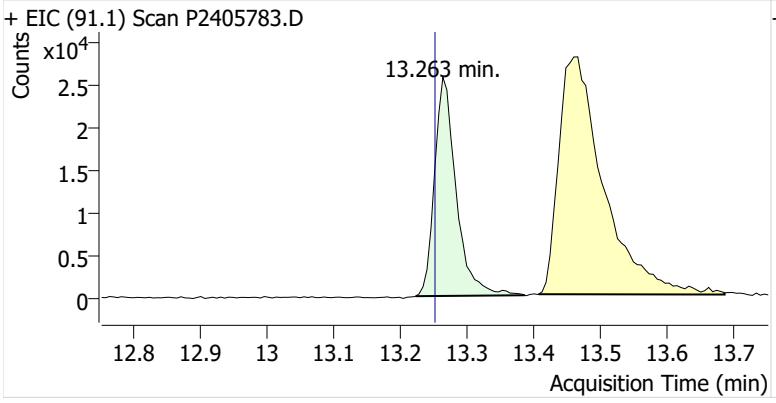


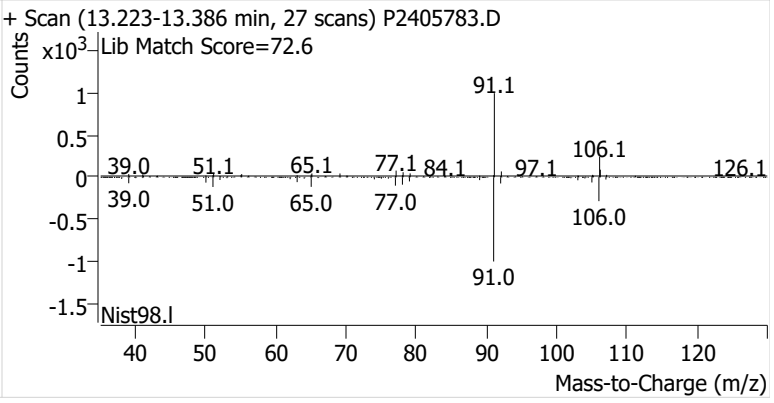
Toluene



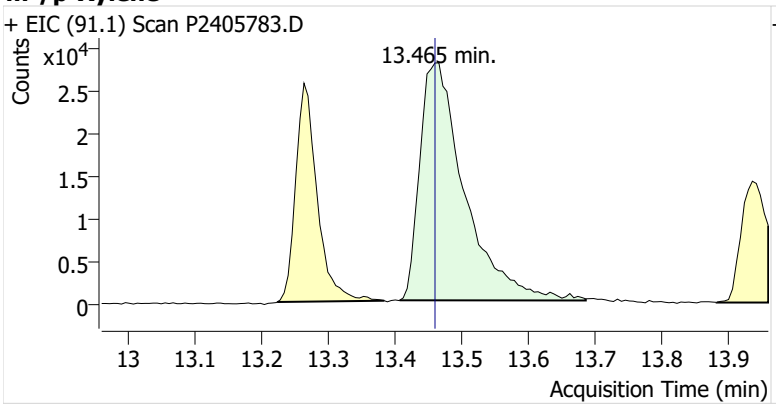


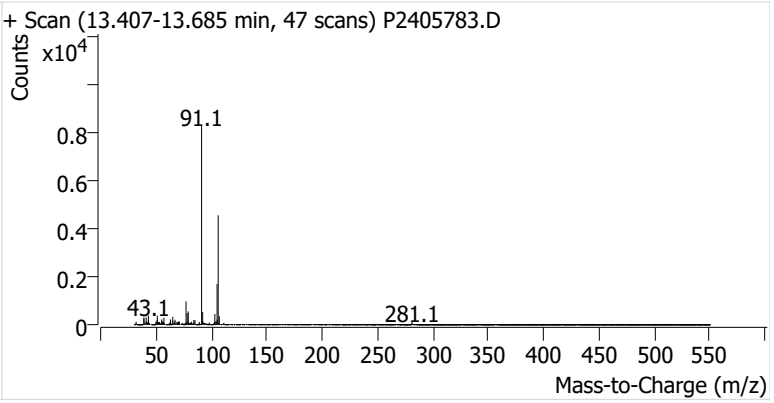
Ethylbenzene



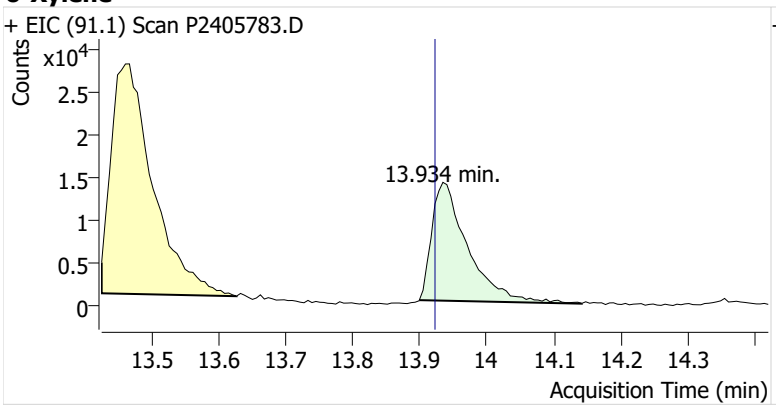


m-/p-Xylene





o-Xylene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1.5
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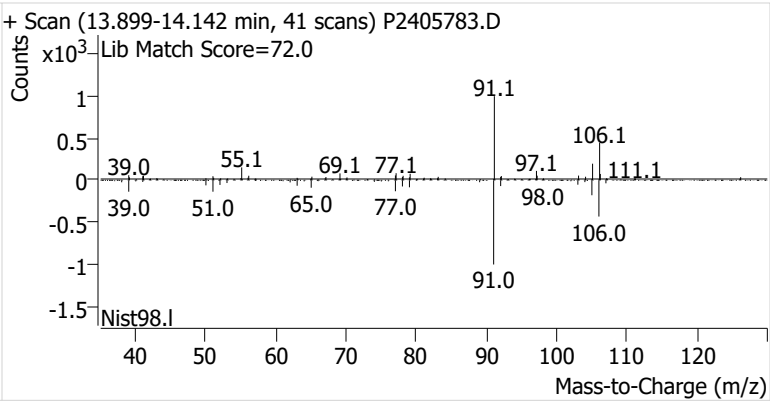
0.5
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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106.1
39.0
55.1
69.1
77.1
97.1
111.1
39.0
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65.0
77.0
98.0
106.0
91.0
Nist98.l
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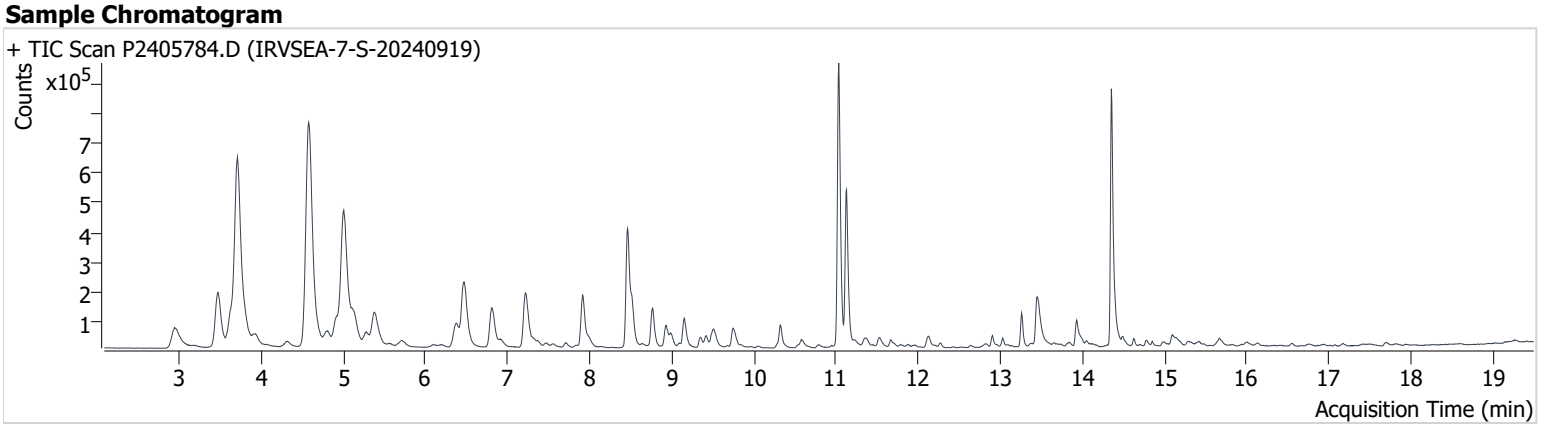
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

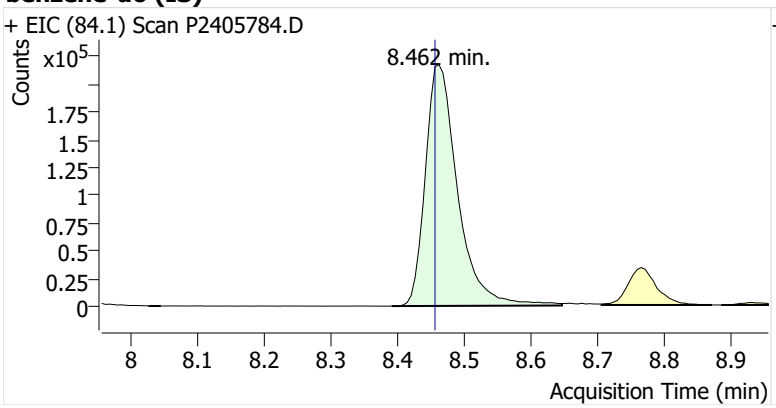
Name	IRVSEA-7-S-20240919
Comment	B46170
Data File	P2405784.D
Acq. Date-Time	10/8/2024 9:36:47 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

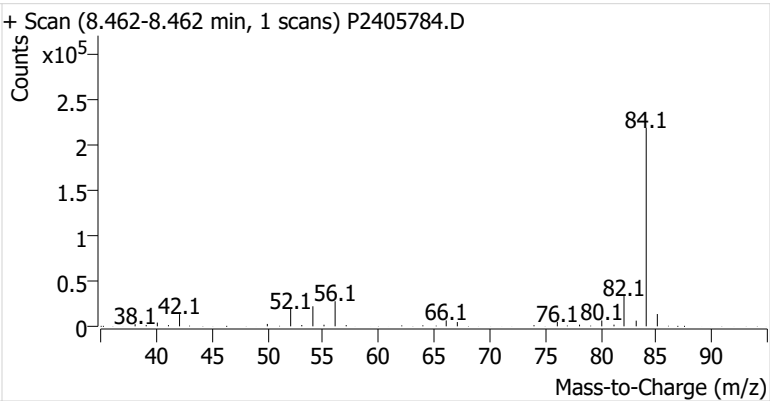
Sample Chromatogram



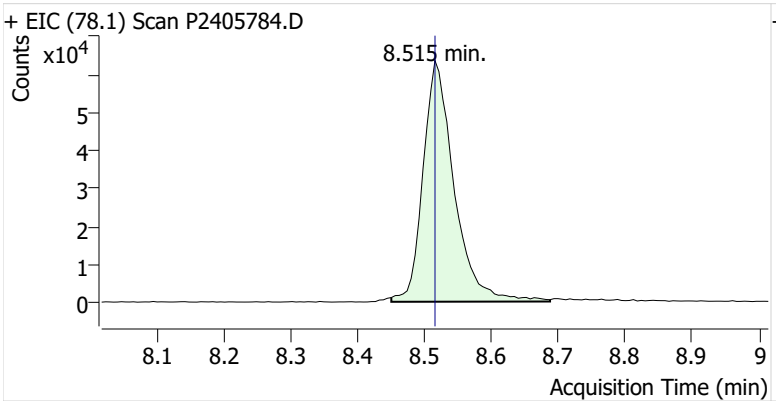
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	730,171	
Benzene	benzene-d6 (IS)	8.515	8.515	205,153	
Toluene-d8 (IS)		11.032	11.032	1,024,748	
Toluene	Toluene-d8 (IS)	11.127	11.121	589,258	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	119,321	
m-/p-Xylene	Toluene-d8 (IS)	13.447	13.459	266,349	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	112,580	

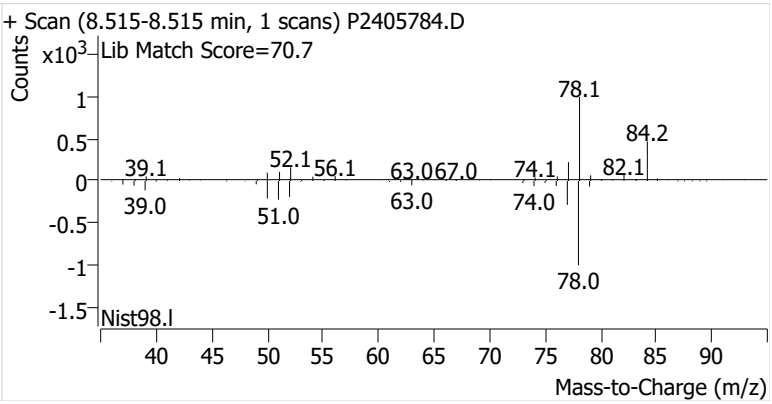
benzene-d6 (IS)



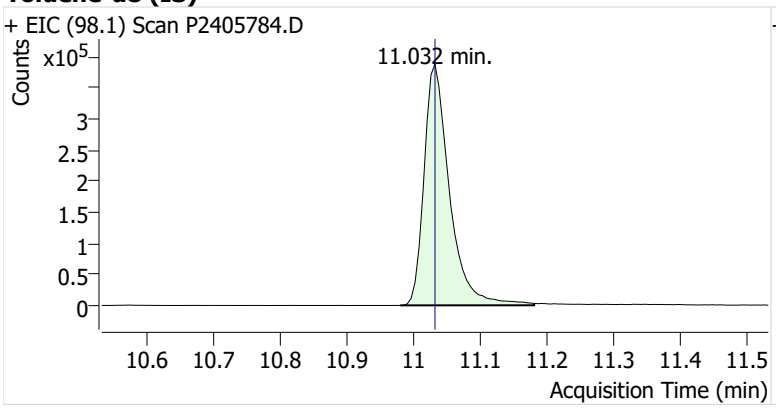


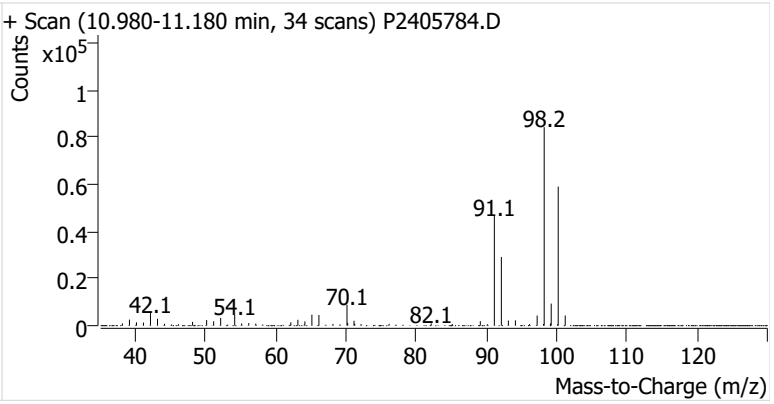
Benzene



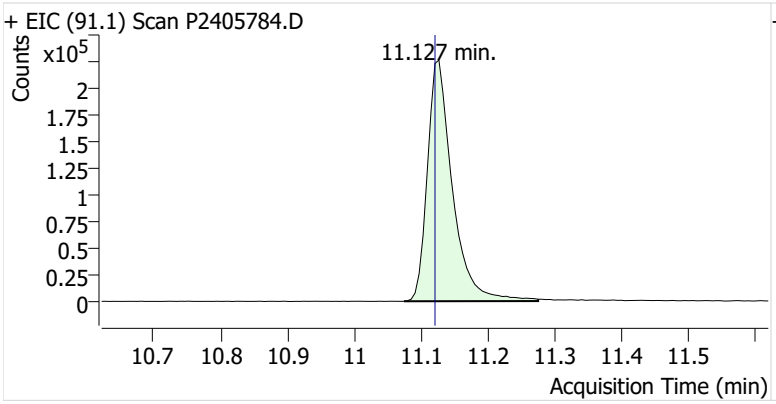


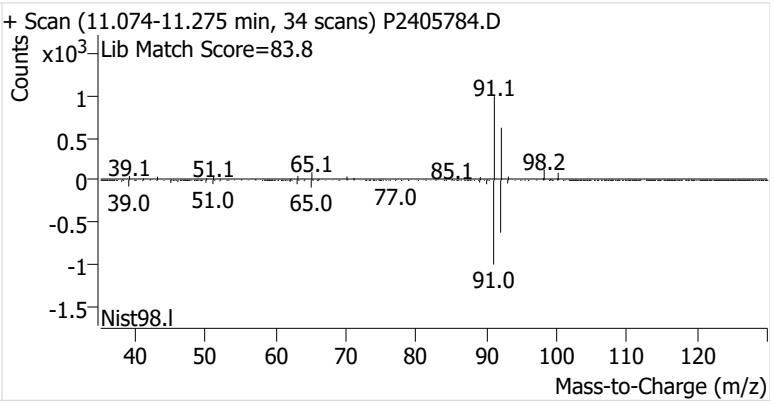
Toluene-d8 (IS)



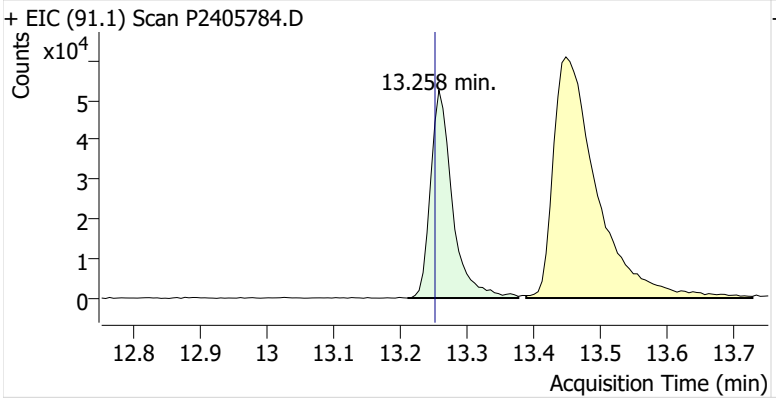


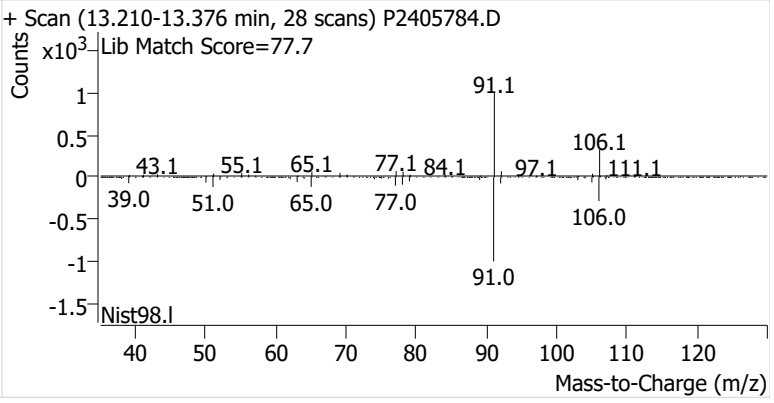
Toluene



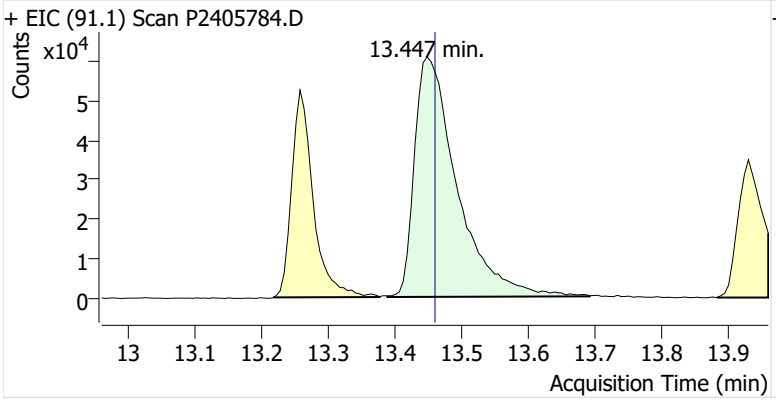


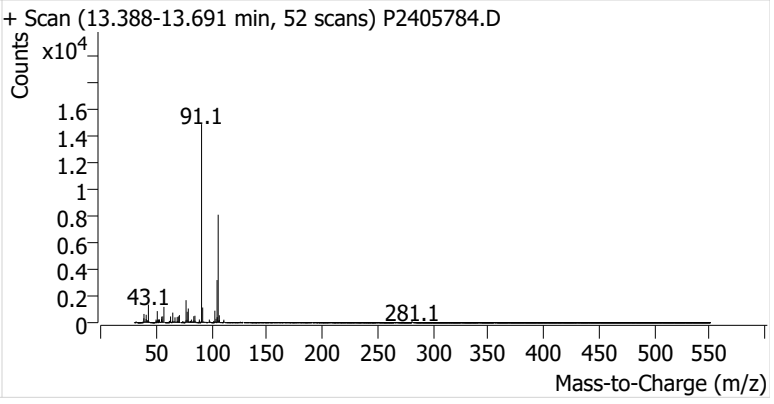
Ethylbenzene



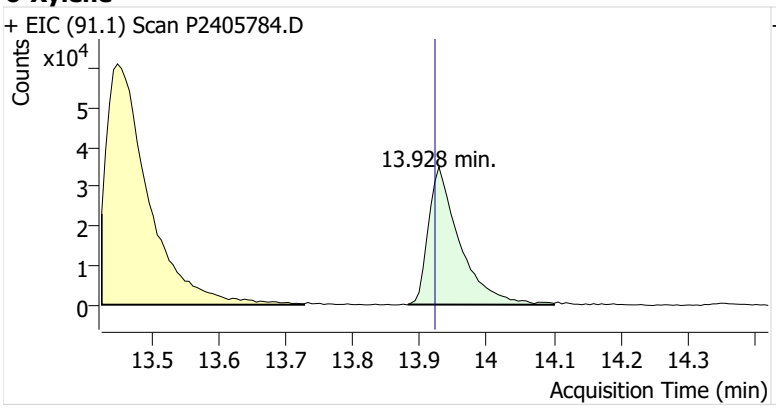


m-/p-Xylene





o-Xylene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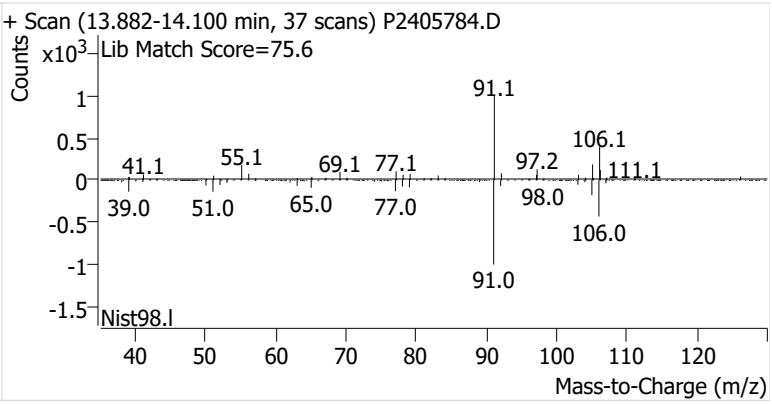
14.1
14.2
14.3
Acquisition Time (min)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Lib Match Score=75.6
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41.1
55.1
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77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
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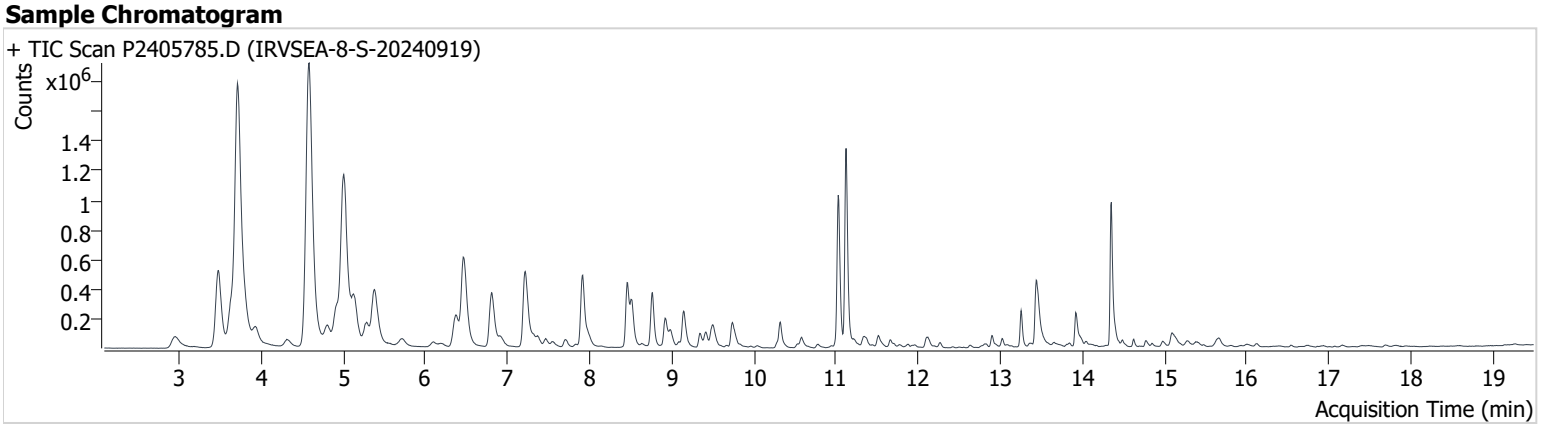
100
110
120
Mass-to-Charge (m/z)

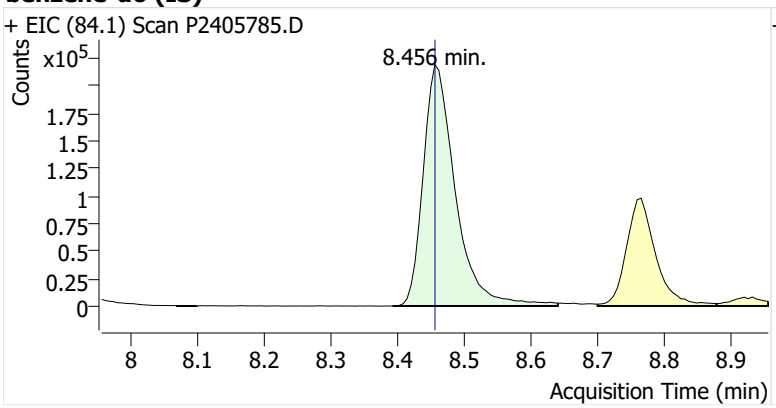
Name	IRVSEA-8-S-20240919
Comment	B19780
Data File	P2405785.D
Acq. Date-Time	10/8/2024 10:14:08 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

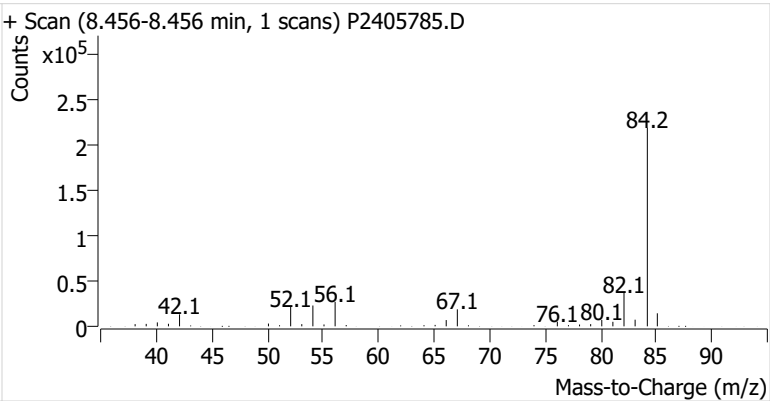
Sample Chromatogram



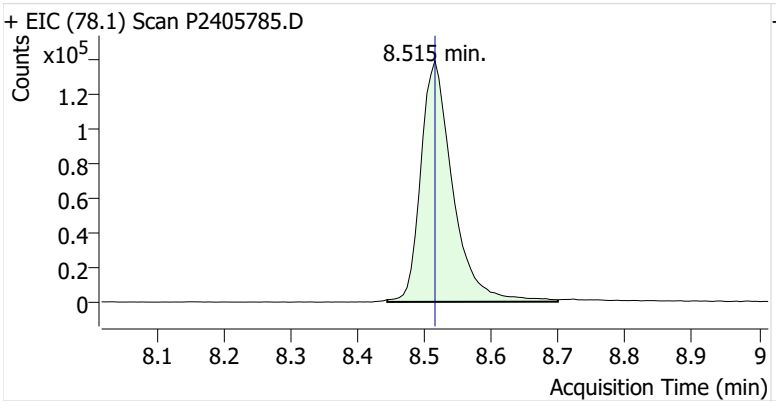
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	730,233	
Benzene	benzene-d6 (IS)	8.515	8.515	463,411	
Toluene-d8 (IS)		11.026	11.032	1,054,099	
Toluene	Toluene-d8 (IS)	11.121	11.121	1,470,426	
Ethylbenzene	Toluene-d8 (IS)	13.251	13.252	246,777	
m-/p-Xylene	Toluene-d8 (IS)	13.435	13.459	654,189	
o-Xylene	Toluene-d8 (IS)	13.916	13.922	256,184	

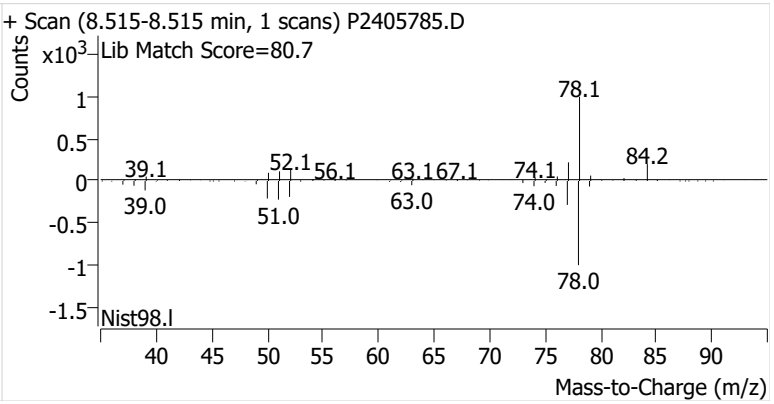
benzene-d6 (IS)



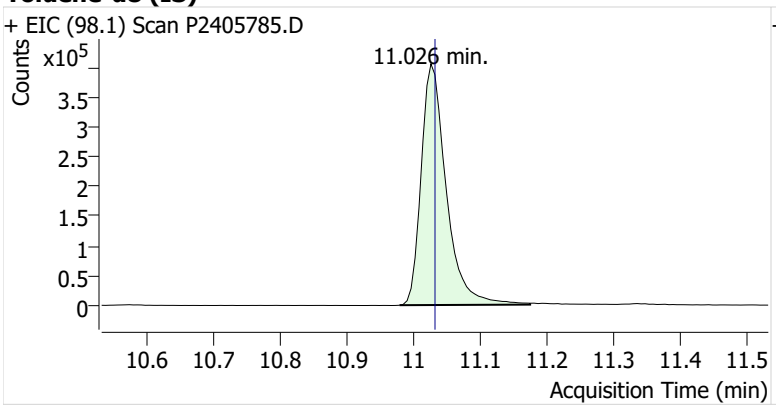


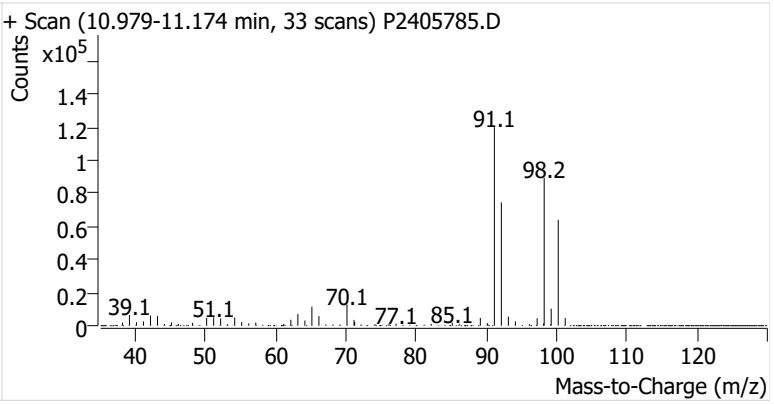
Benzene



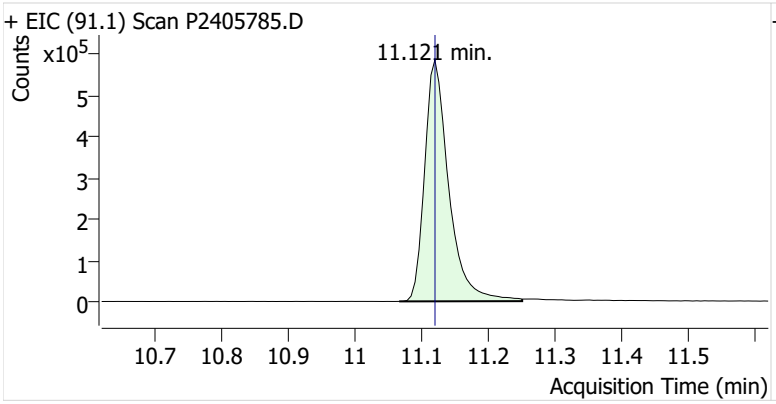


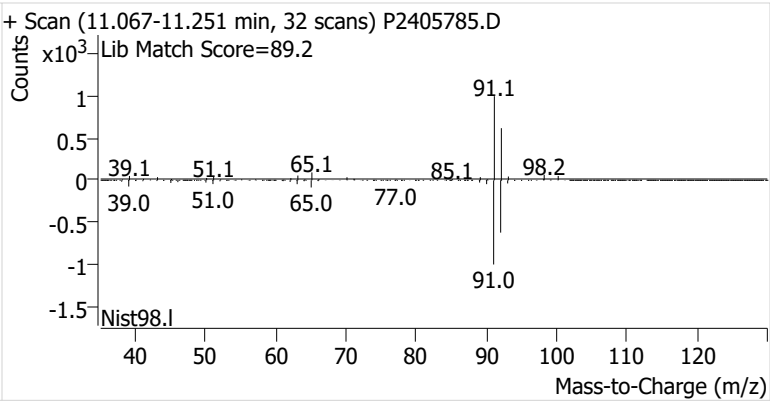
Toluene-d8 (IS)



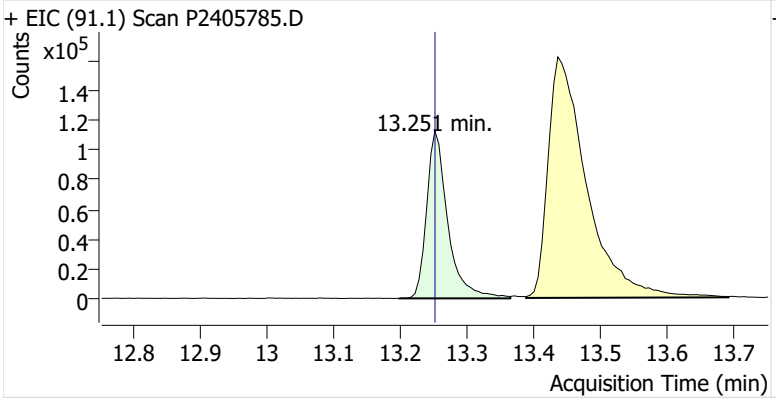


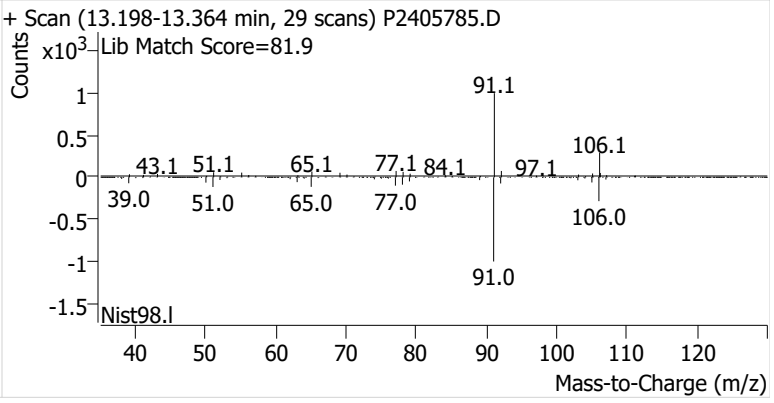
Toluene



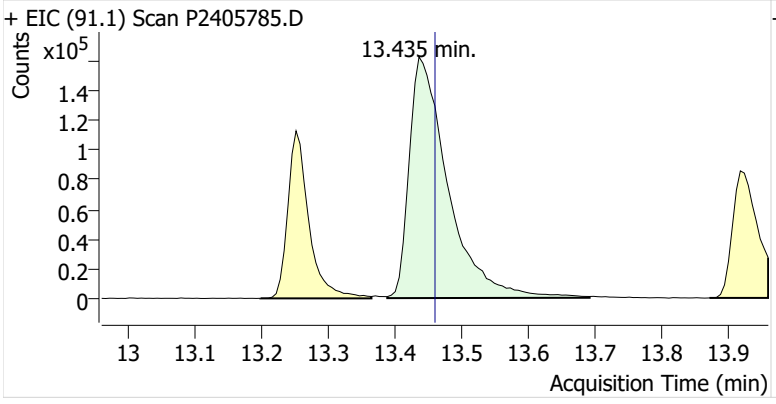


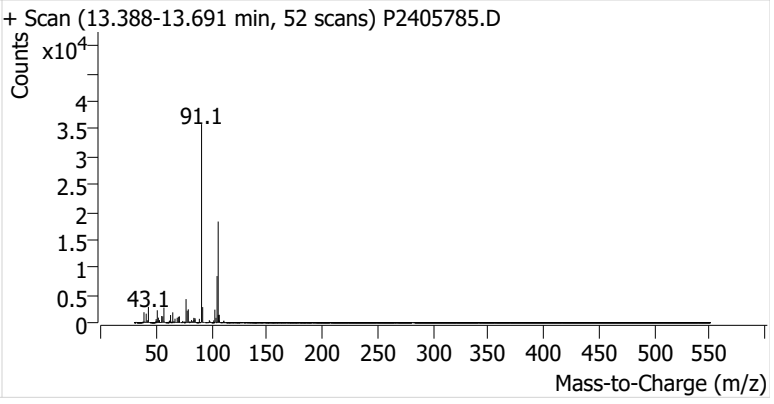
Ethylbenzene



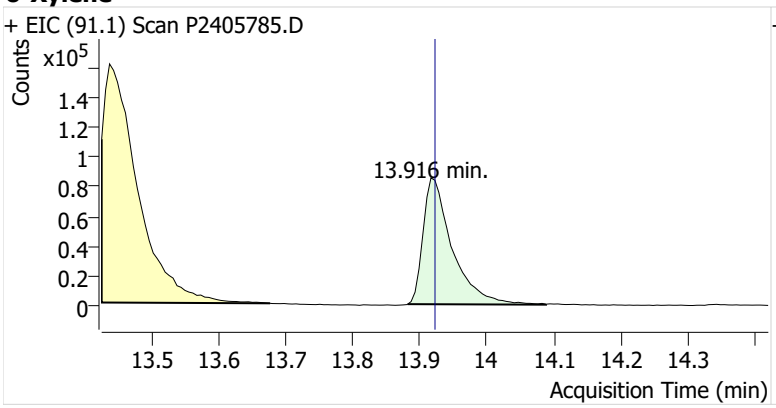


m-/p-Xylene





o-Xylene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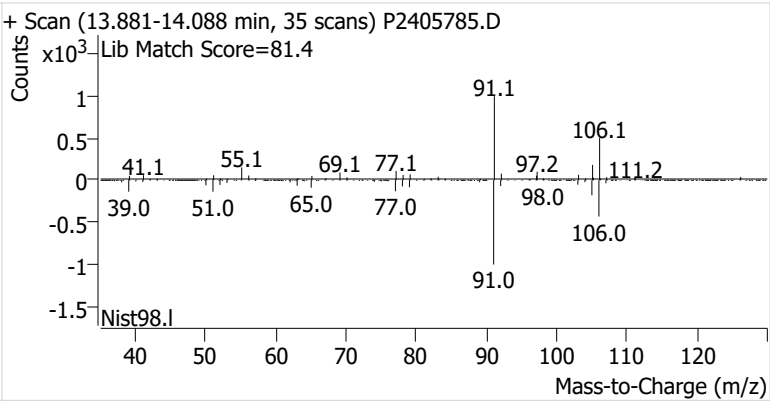
0.6
0.4
0.2
0
13.916 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Lib Match Score=81.4
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x10^3
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-0.5
-1
-1.5
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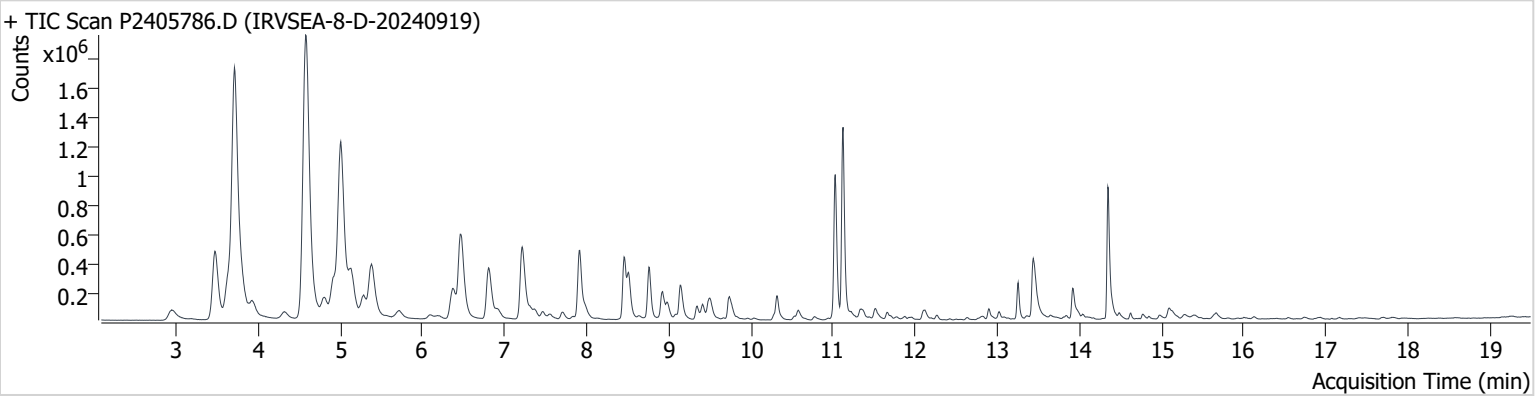
106.1
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

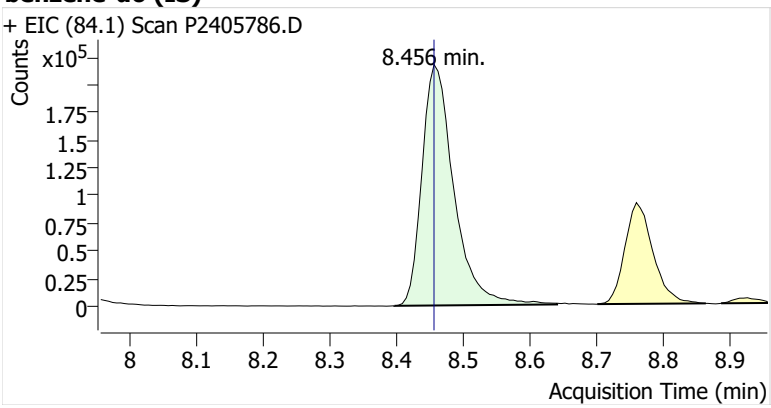
Name	IRVSEA-8-D-20240919
Comment	B49643
Data File	P2405786.D
Acq. Date-Time	10/8/2024 10:51:24 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

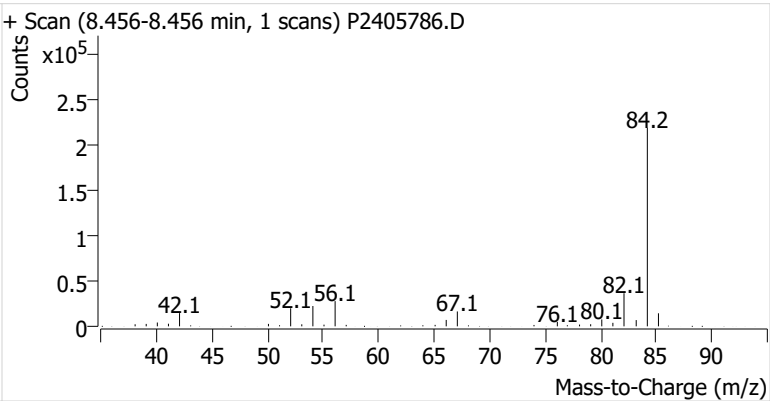
Sample Chromatogram



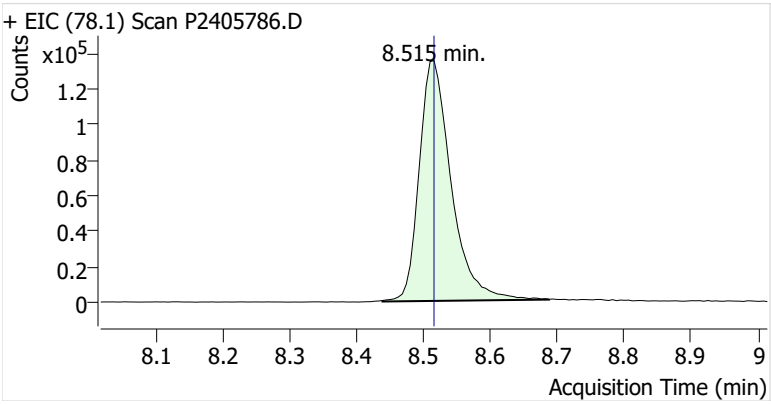
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	722,629	
Benzene	benzene-d6 (IS)	8.515	8.515	450,060	
Toluene-d8 (IS)		11.026	11.032	1,033,102	
Toluene	Toluene-d8 (IS)	11.121	11.121	1,483,898	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	254,443	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.459	624,116	
o-Xylene	Toluene-d8 (IS)	13.917	13.922	243,027	

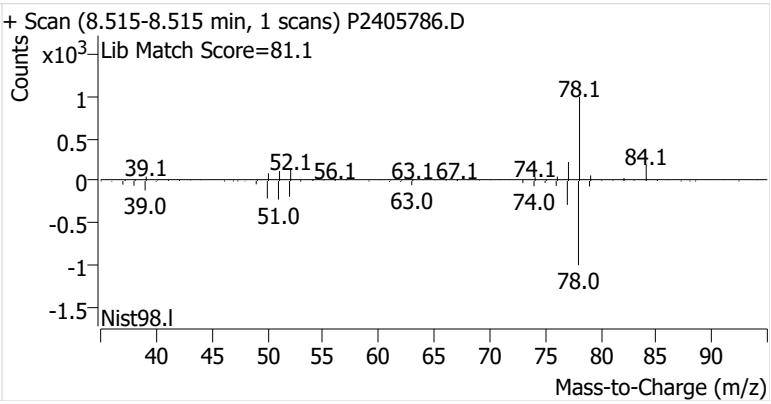
benzene-d6 (IS)



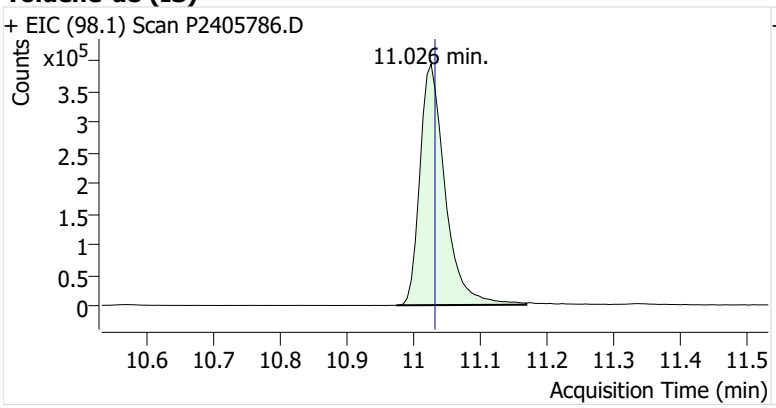


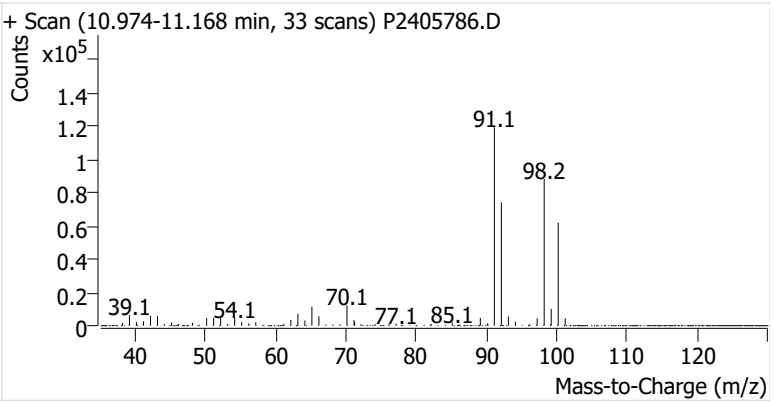
Benzene



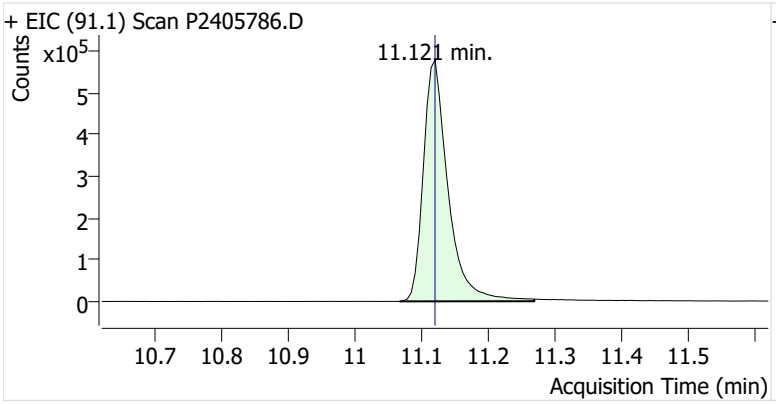


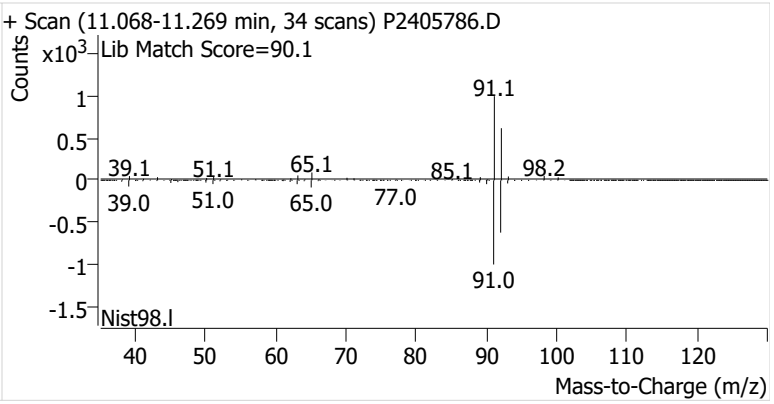
Toluene-d8 (IS)



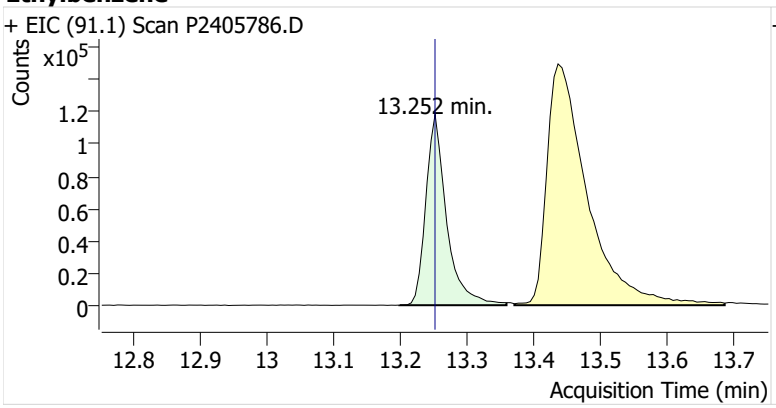


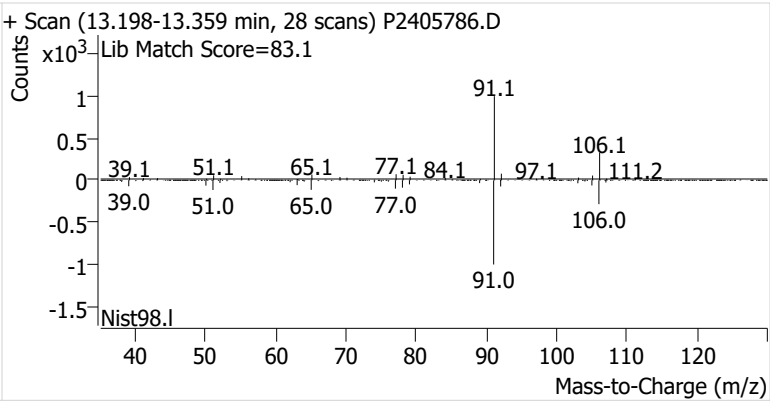
Toluene



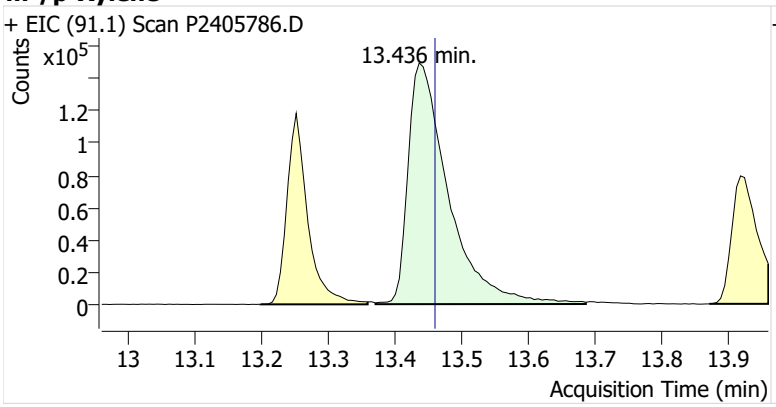


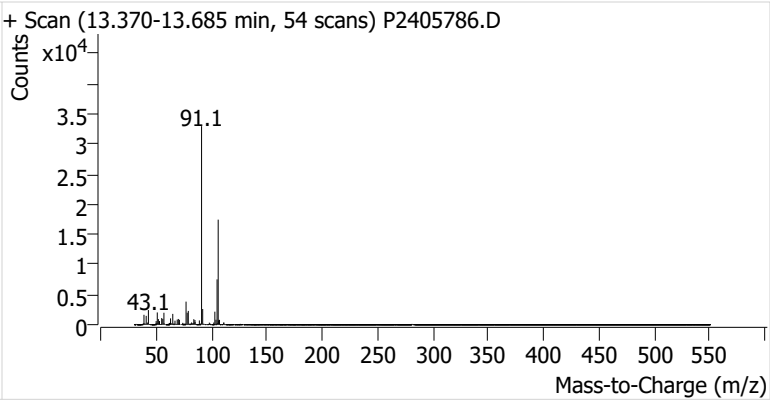
Ethylbenzene



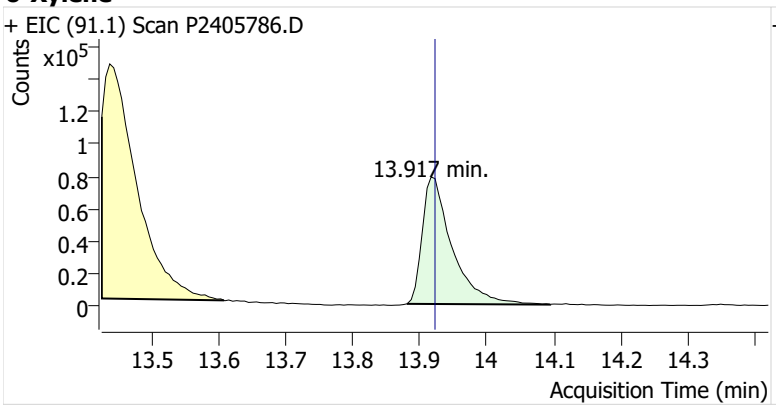


m-/p-Xylene





o-Xylene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Counts
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1
0.8
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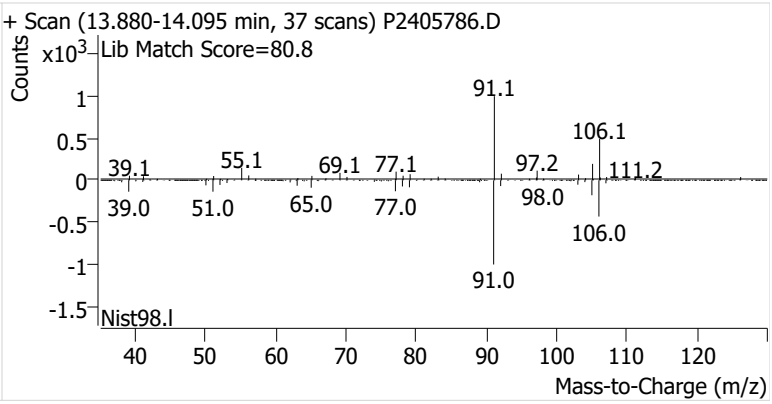
0.4
0.2
0
13.917 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.880-14.095 min, 37 scans) P2405786.D
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Lib Match Score=80.8
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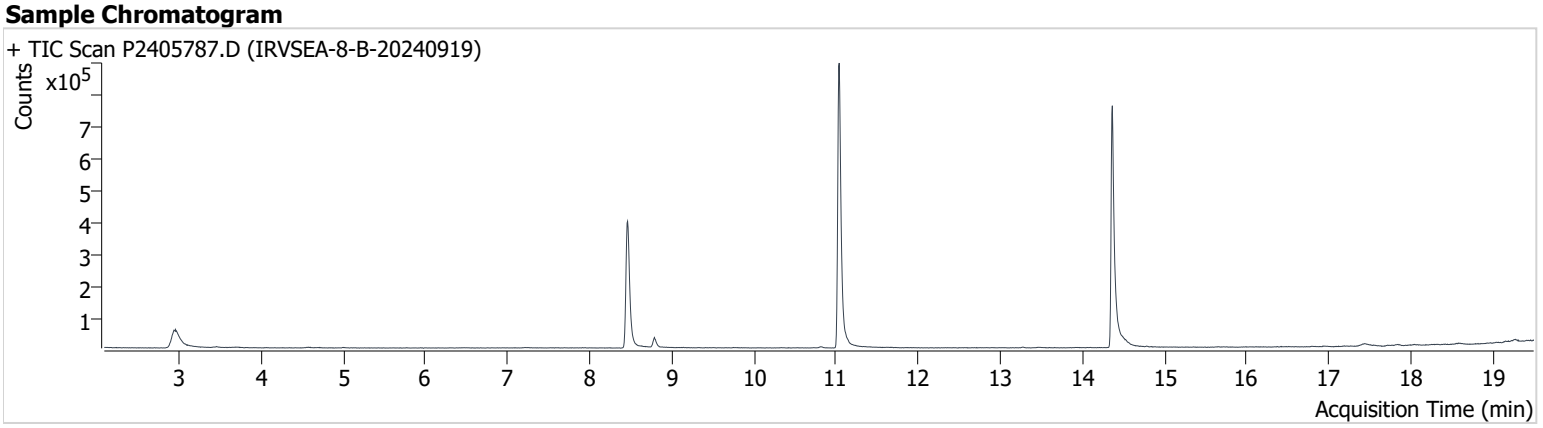
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

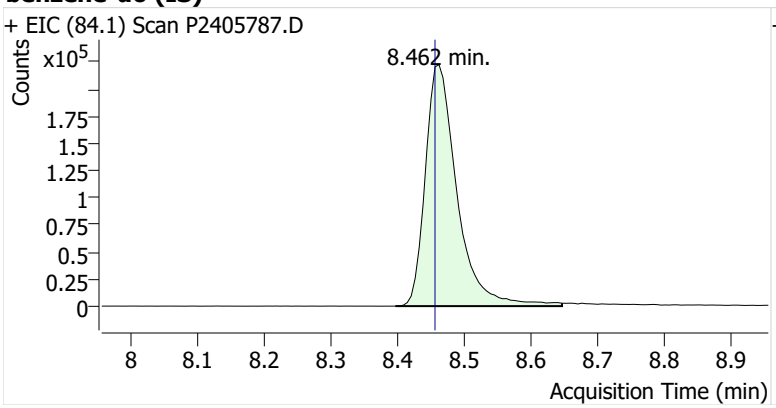
Name	IRVSEA-8-B-20240919
Comment	B17585
Data File	P2405787.D
Acq. Date-Time	10/8/2024 11:28:39 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

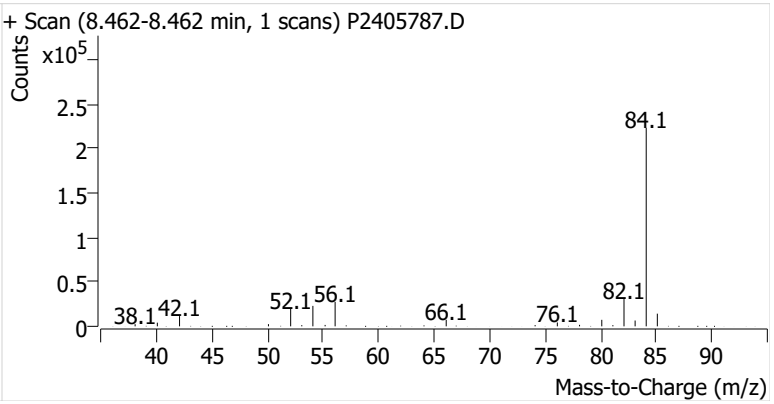
Sample Chromatogram



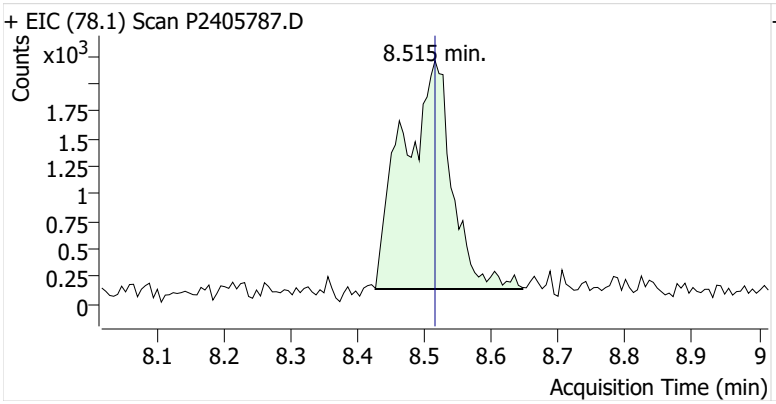
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	733,466	
Benzene	benzene-d6 (IS)	8.515	8.515	10,475	
Toluene-d8 (IS)		11.038	11.032	1,011,963	
Toluene	Toluene-d8 (IS)	11.133	11.121	11,021	
Ethylbenzene	Toluene-d8 (IS)	13.275	13.252	1,983	
m-/p-Xylene	Toluene-d8 (IS)	13.465	13.459	2,512	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	732	

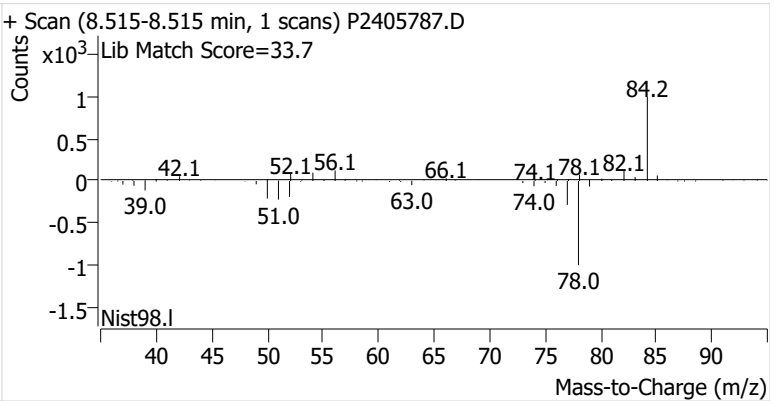
benzene-d6 (IS)



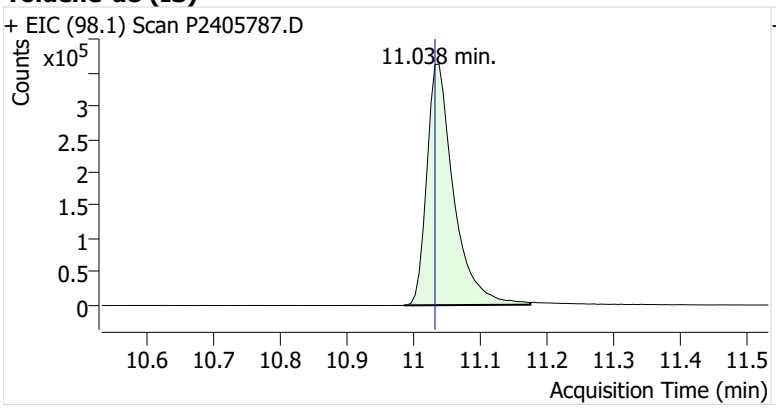


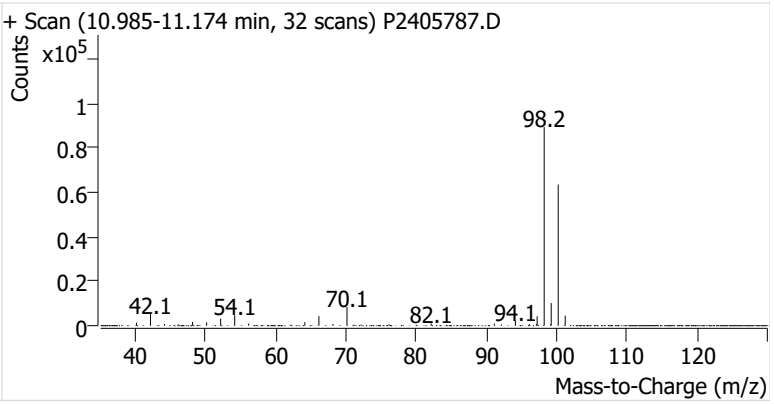
Benzene



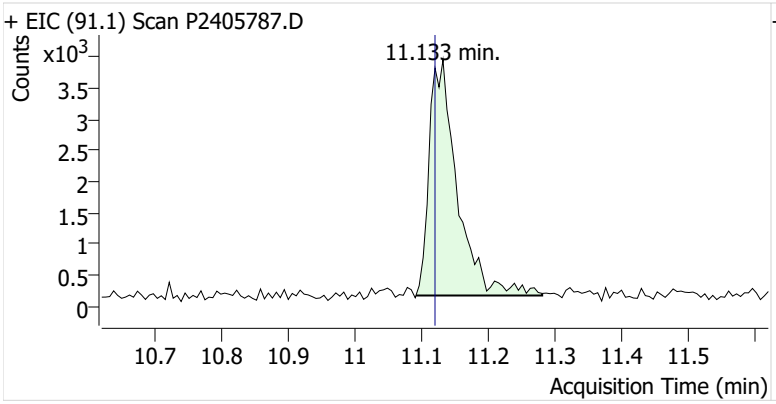


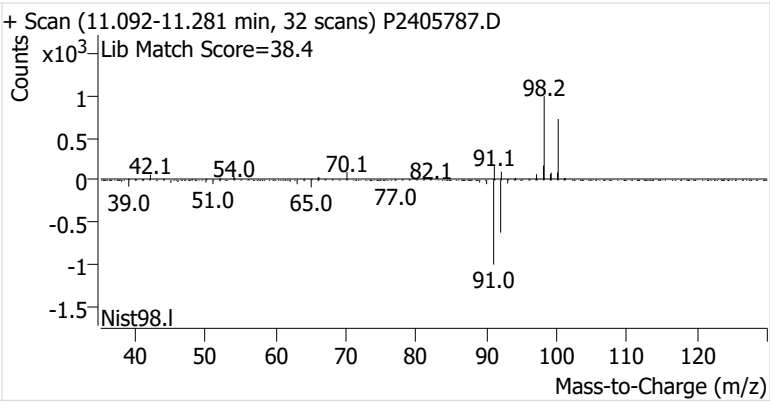
Toluene-d8 (IS)



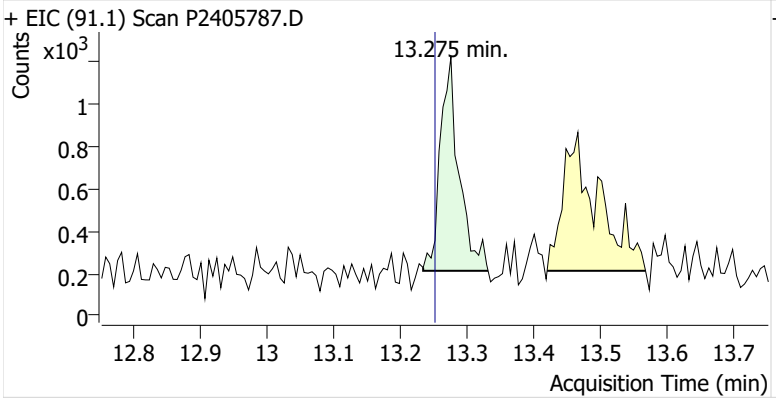


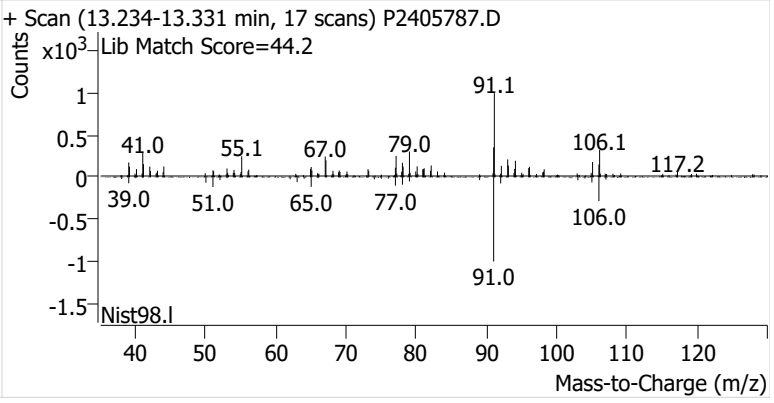
Toluene



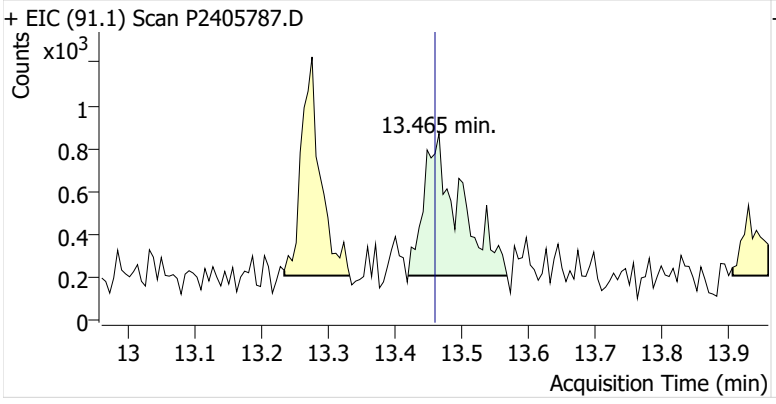


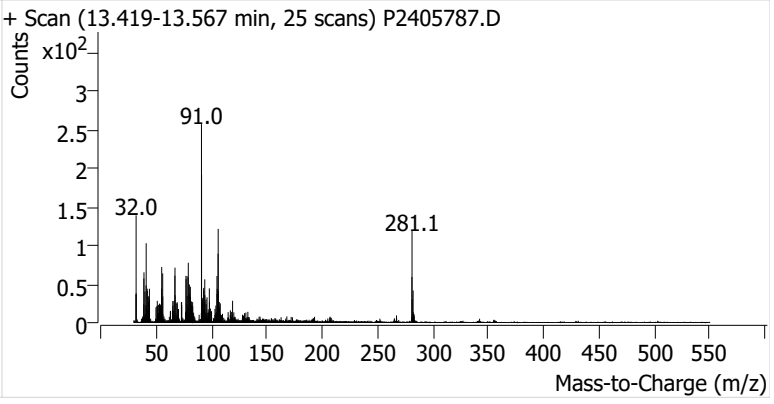
Ethylbenzene



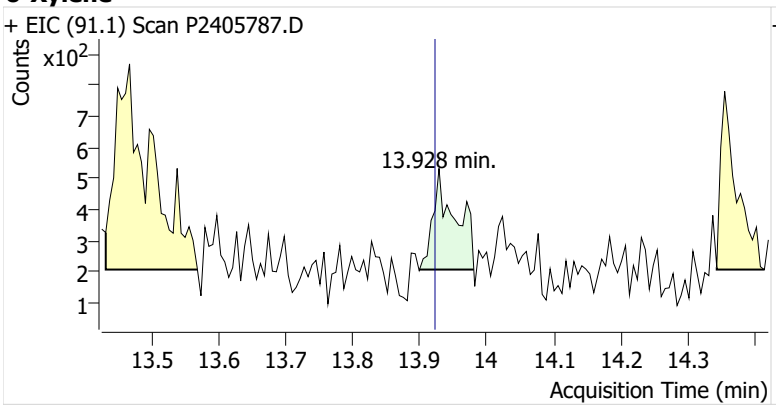


m-/p-Xylene





o-Xylene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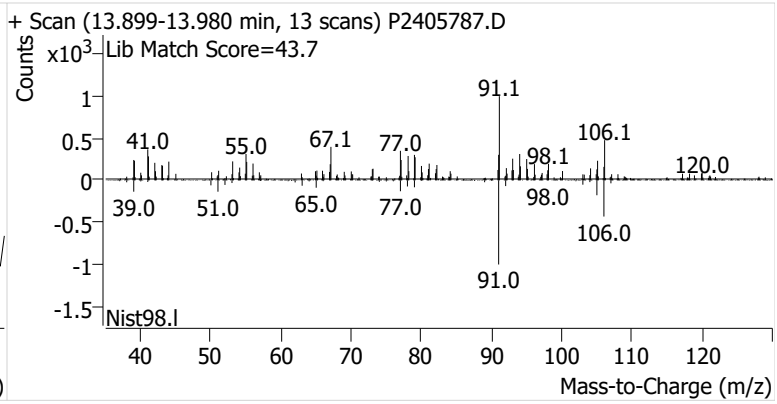
13.928 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.899-13.980 min, 13 scans) P2405787.D
Lib Match Score=43.7
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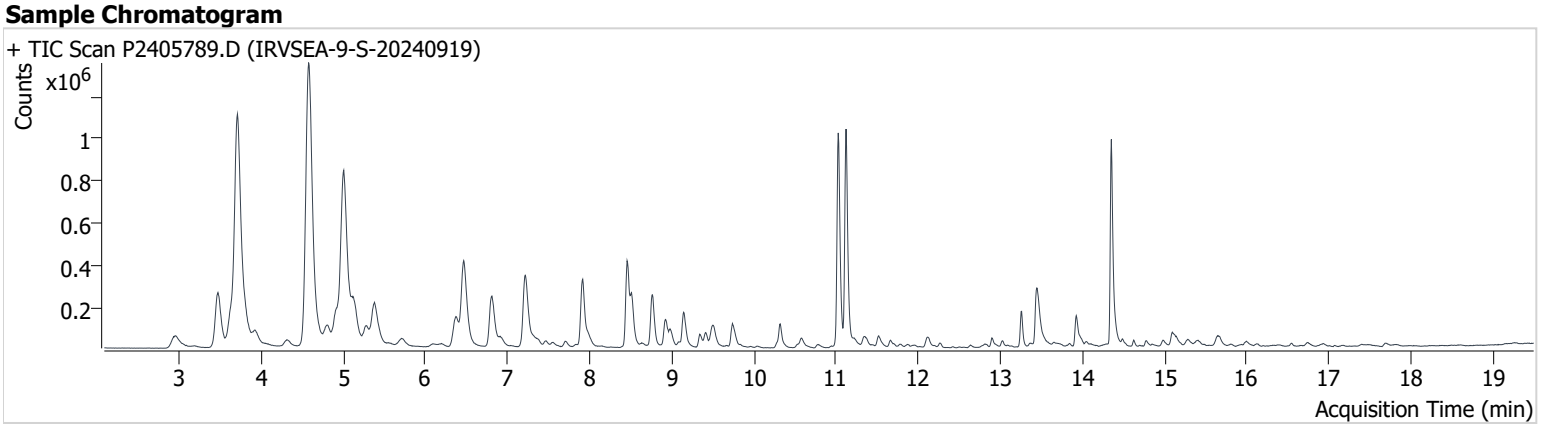
41.0
55.0
67.1
77.0
106.1
98.1
120.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

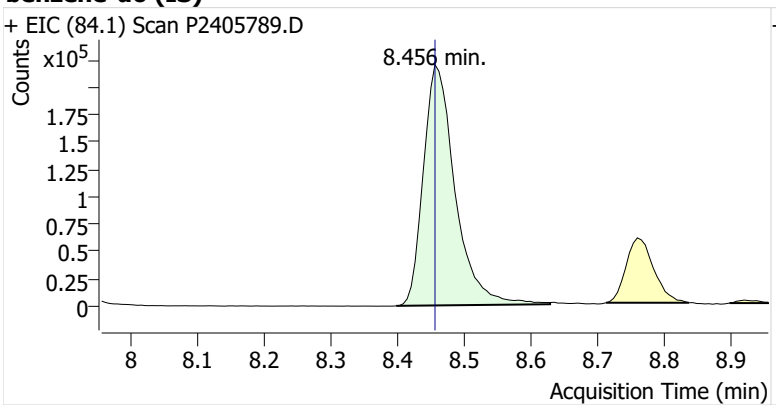
Name	IRVSEA-9-S-20240919
Comment	B14507
Data File	P2405789.D
Acq. Date-Time	10/9/2024 12:43:30 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

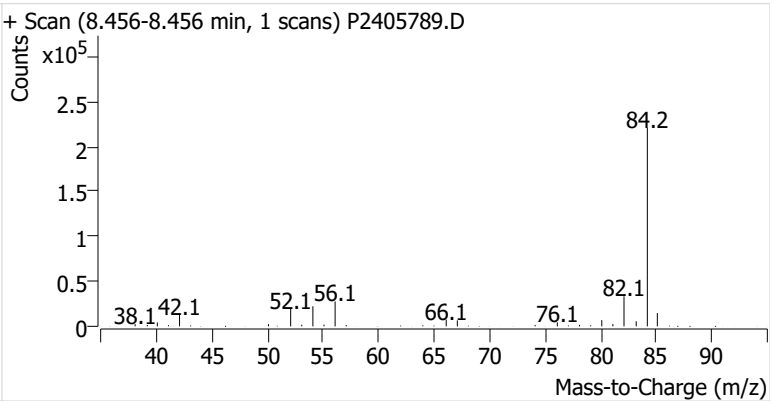
Sample Chromatogram



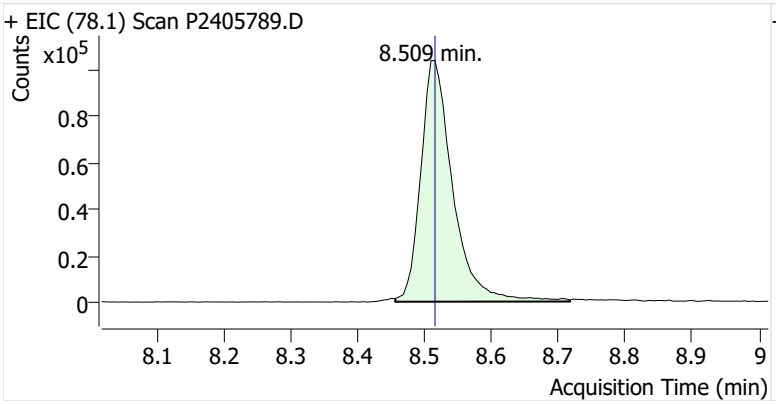
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	725,282	
Benzene	benzene-d6 (IS)	8.509	8.515	344,548	
Toluene-d8 (IS)		11.026	11.032	1,060,487	
Toluene	Toluene-d8 (IS)	11.121	11.121	1,152,145	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	173,802	
m-/p-Xylene	Toluene-d8 (IS)	13.447	13.459	419,347	
o-Xylene	Toluene-d8 (IS)	13.922	13.922	172,182	

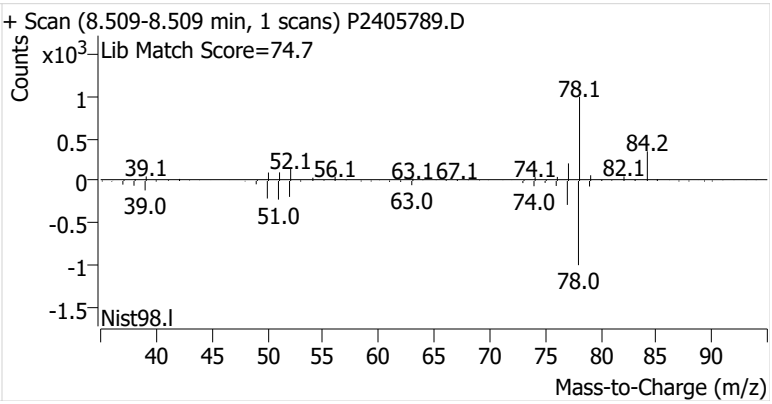
benzene-d6 (IS)



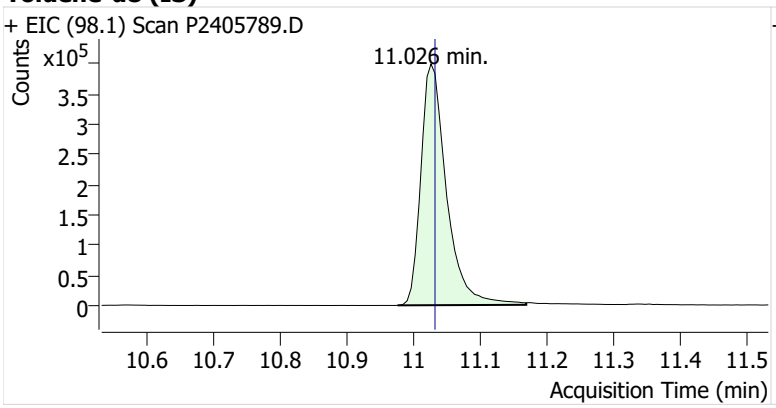


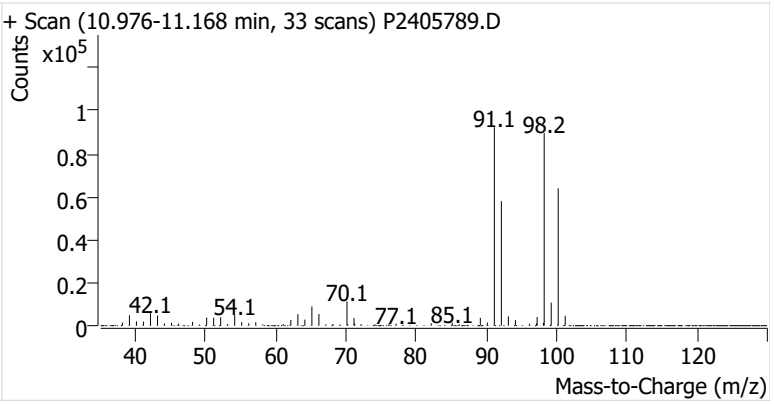
Benzene



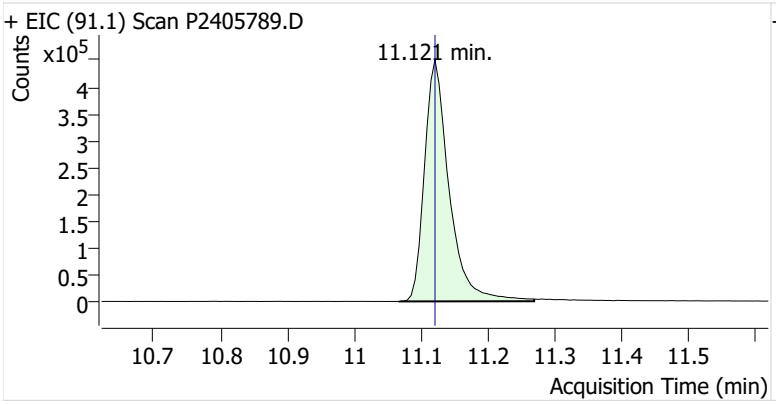


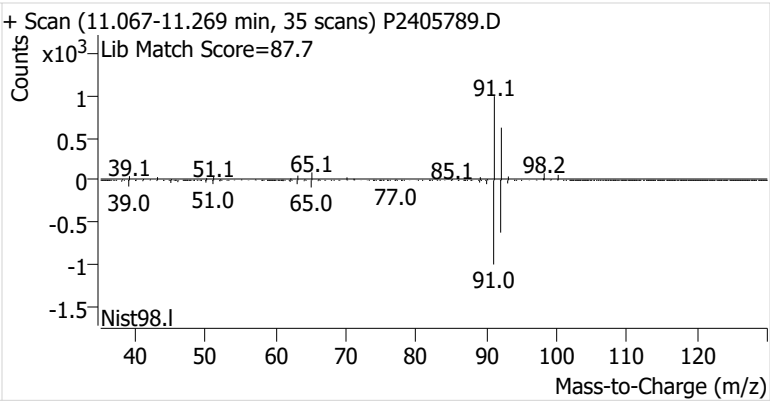
Toluene-d8 (IS)



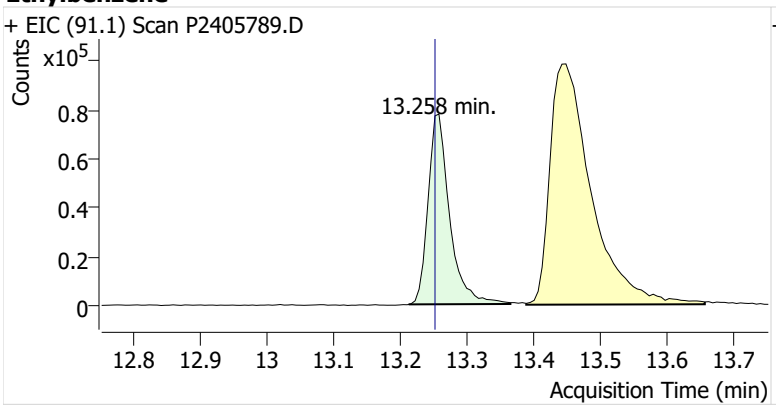


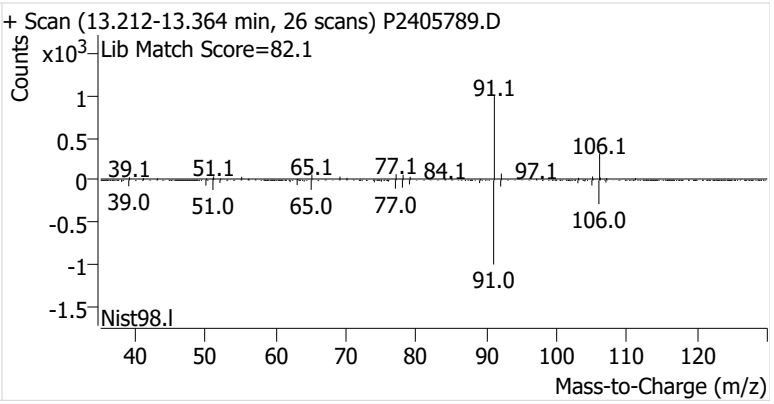
Toluene



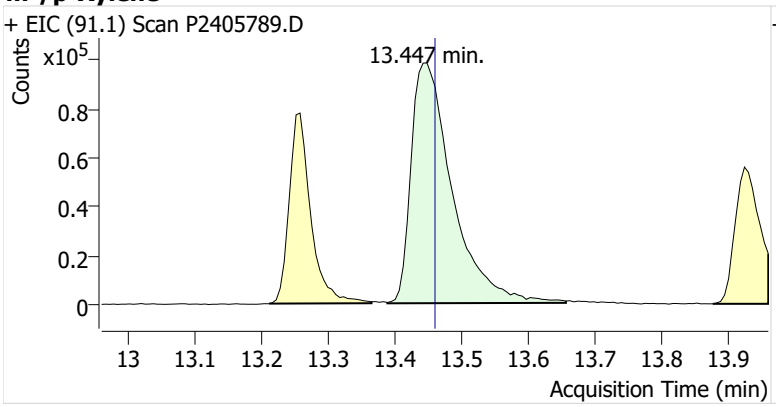


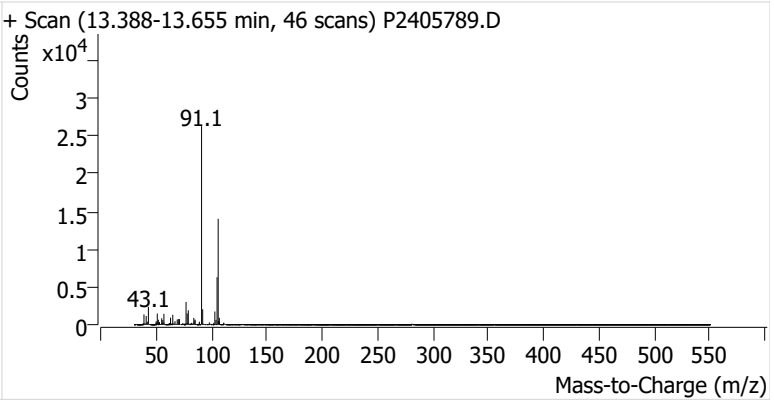
Ethylbenzene



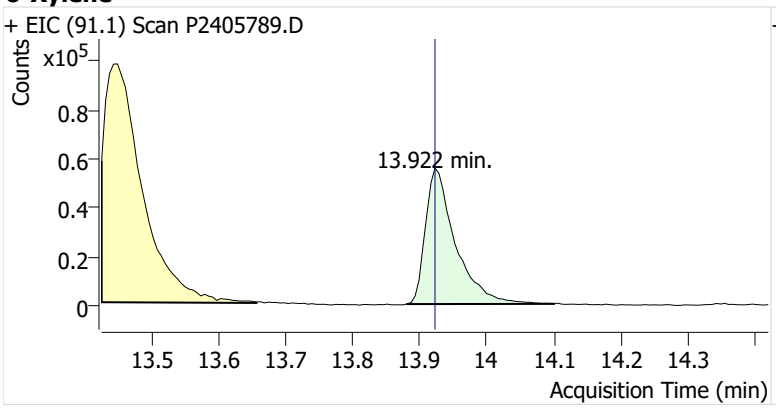


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2405789.D
Counts
x10^5
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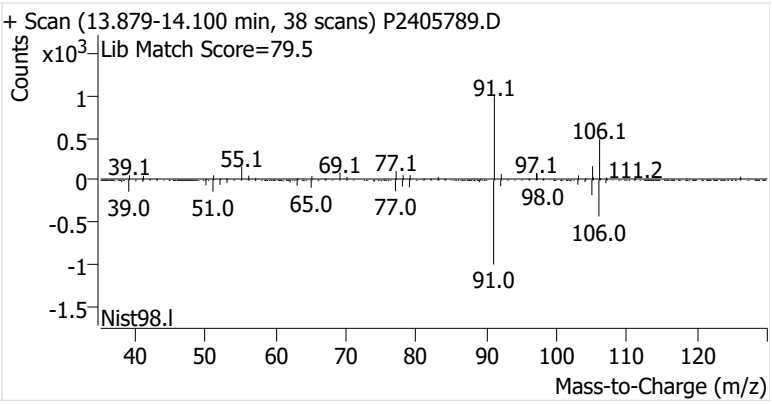
0.6
0.4
0.2
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.879-14.100 min, 38 scans) P2405789.D
Lib Match Score=79.5
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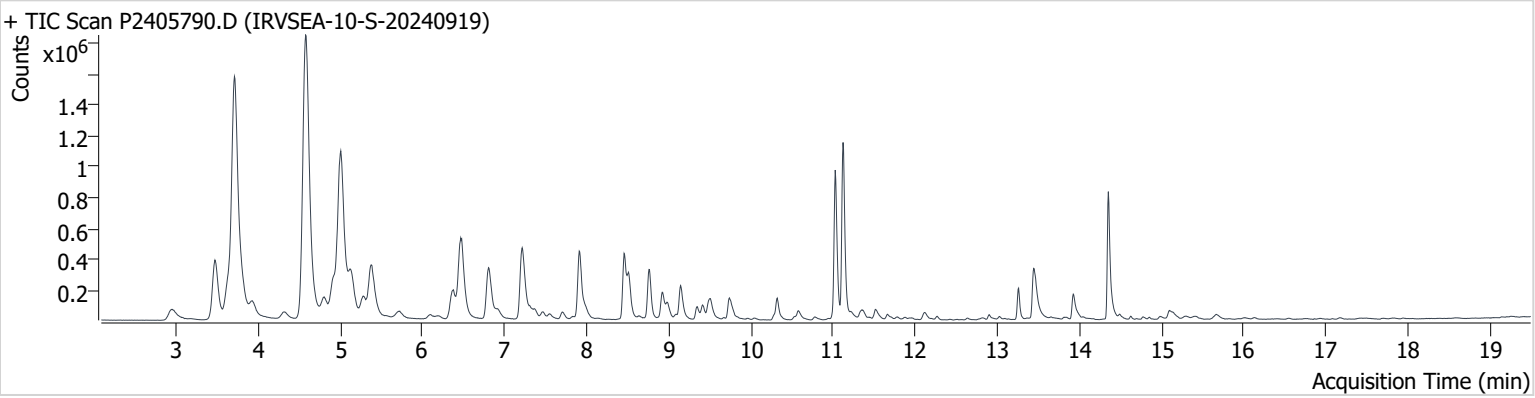
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

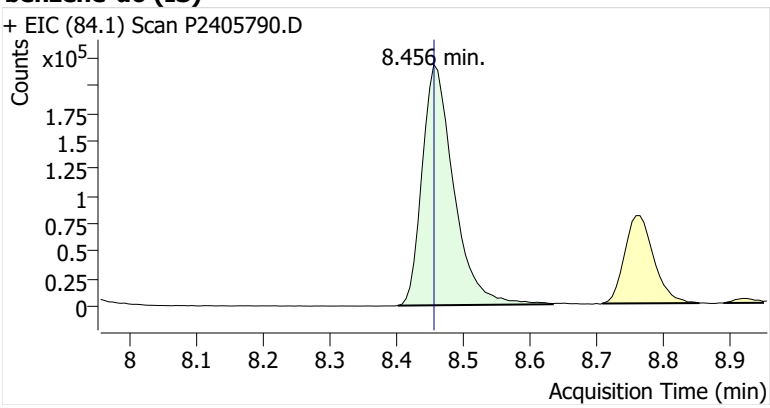
Name	IRVSEA-10-S-20240919
Comment	B37503
Data File	P2405790.D
Acq. Date-Time	10/9/2024 1:20:47 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

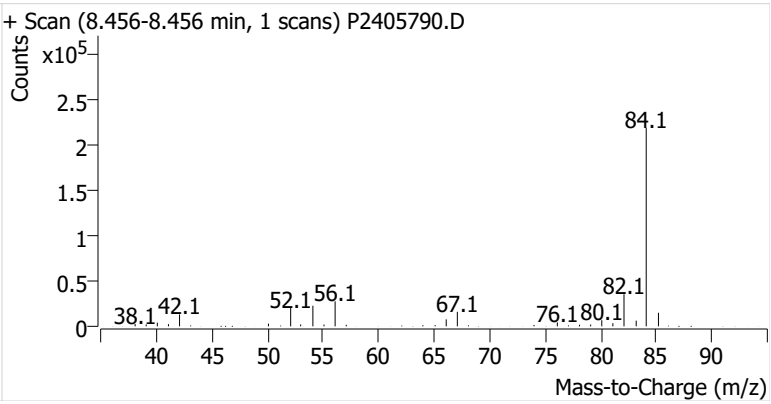
Sample Chromatogram



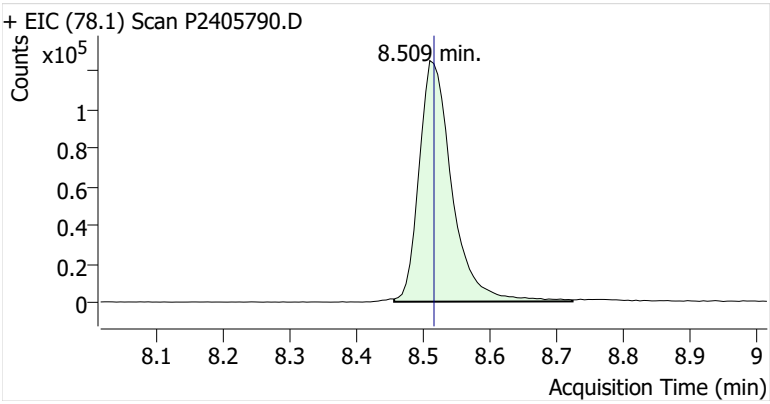
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	715,130	
Benzene	benzene-d6 (IS)	8.509	8.515	428,182	
Toluene-d8 (IS)		11.026	11.032	995,920	
Toluene	Toluene-d8 (IS)	11.121	11.121	1,330,102	
Ethylbenzene	Toluene-d8 (IS)	13.257	13.252	217,710	
m-/p-Xylene	Toluene-d8 (IS)	13.441	13.459	500,727	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	202,447	

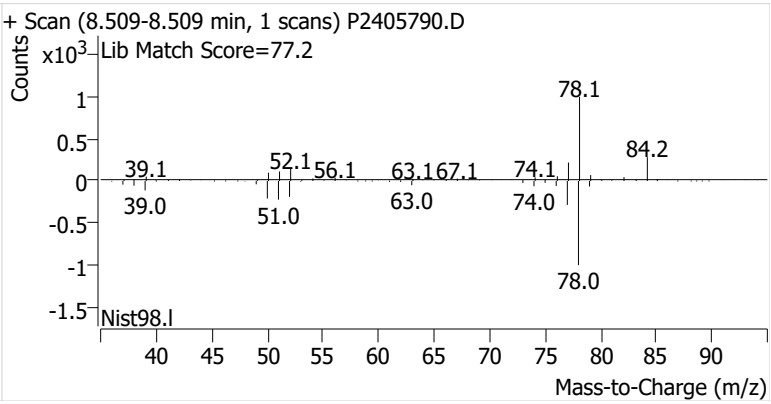
benzene-d6 (IS)



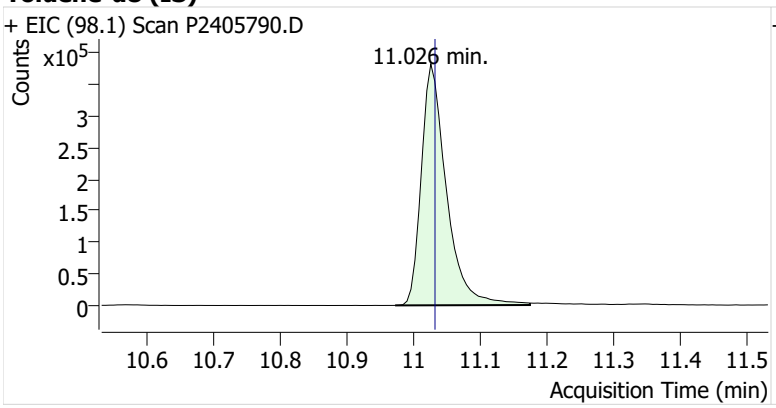


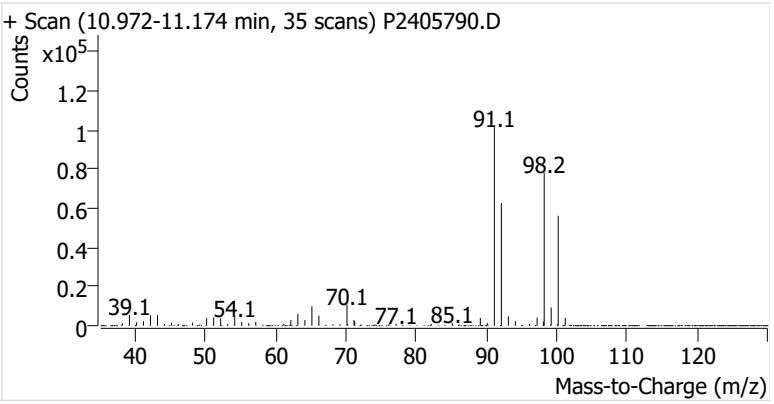
Benzene



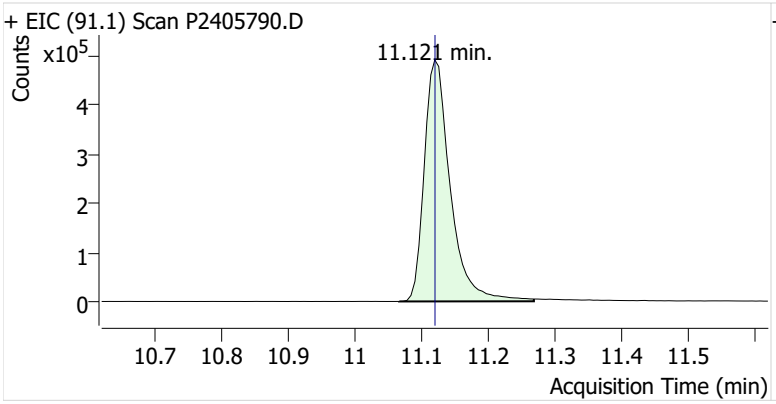


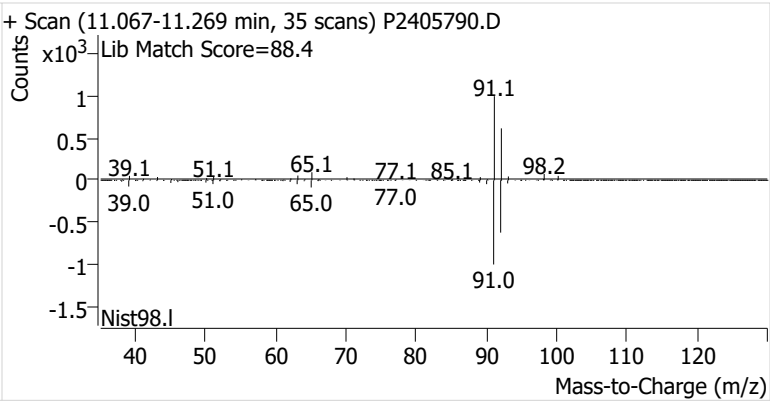
Toluene-d8 (IS)



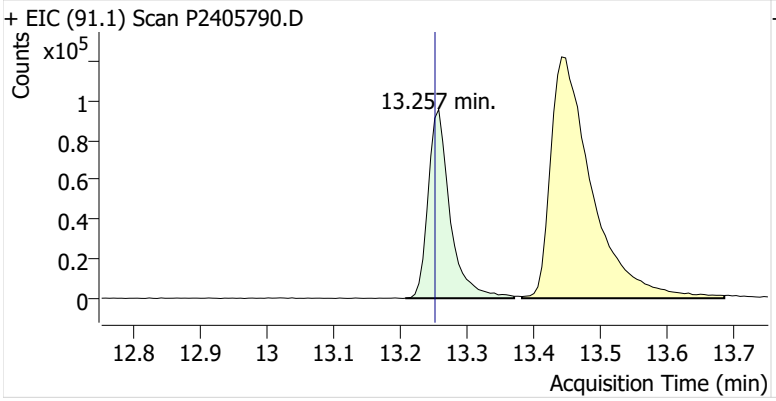


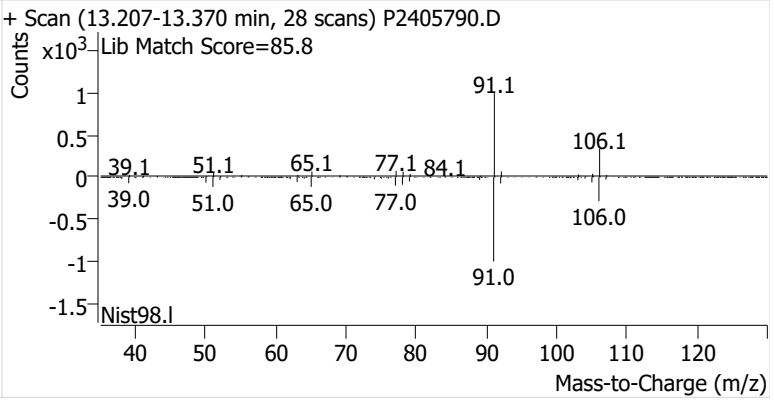
Toluene



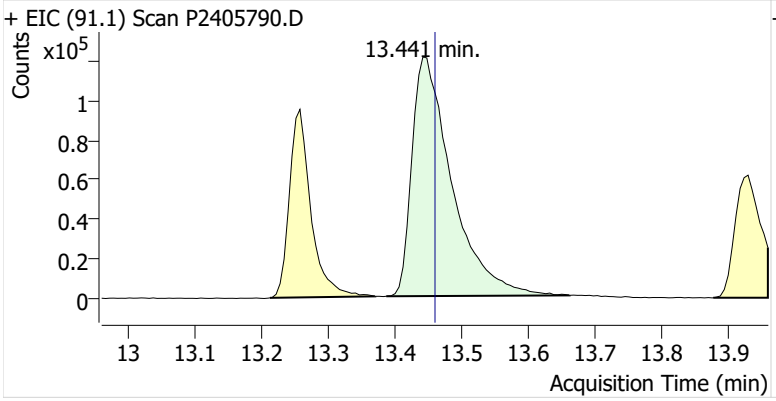


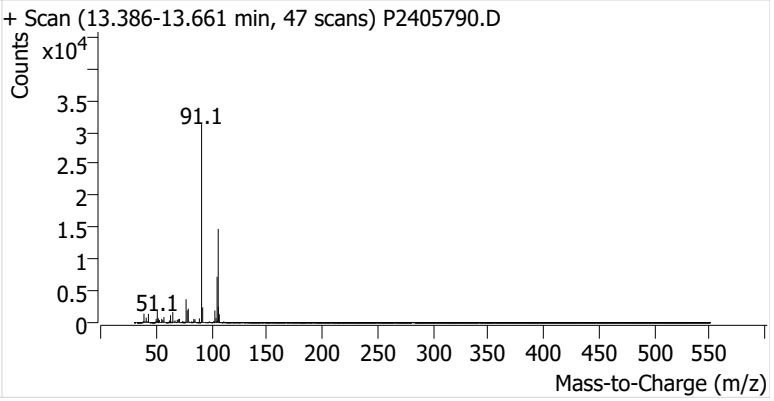
Ethylbenzene



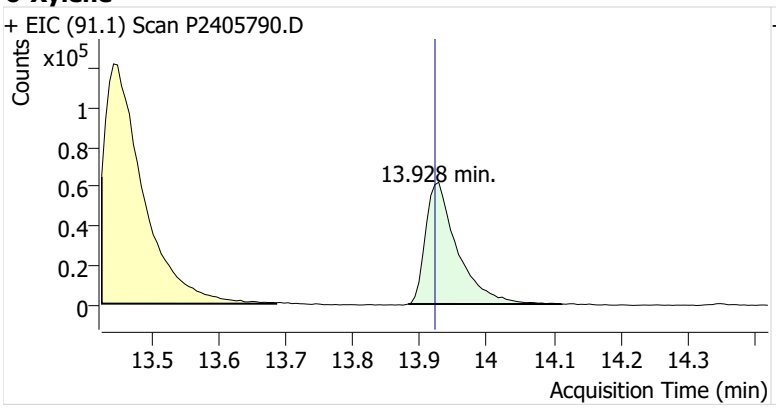


m-/p-Xylene





o-Xylene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0.6
0.4
0.2
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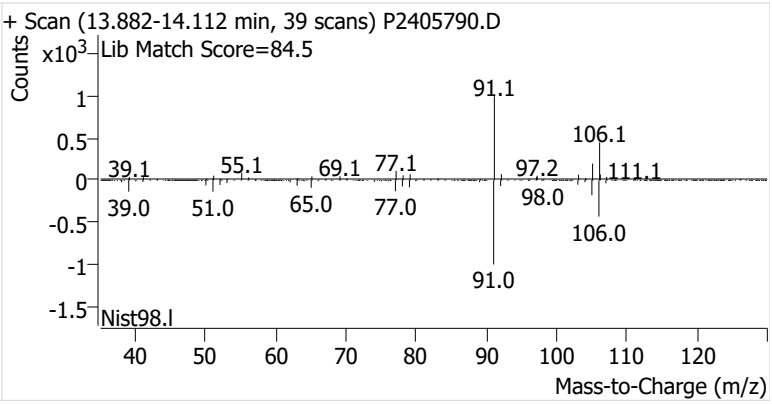
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Lib Match Score=84.5
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-1.5
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39.1
55.1
69.1
77.1
97.2
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
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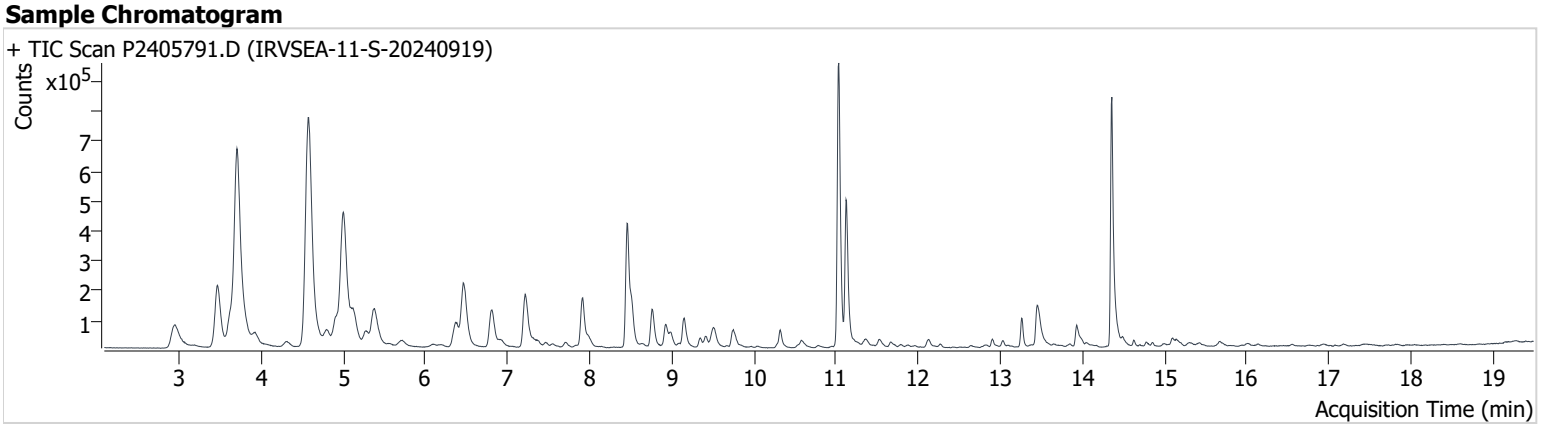
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

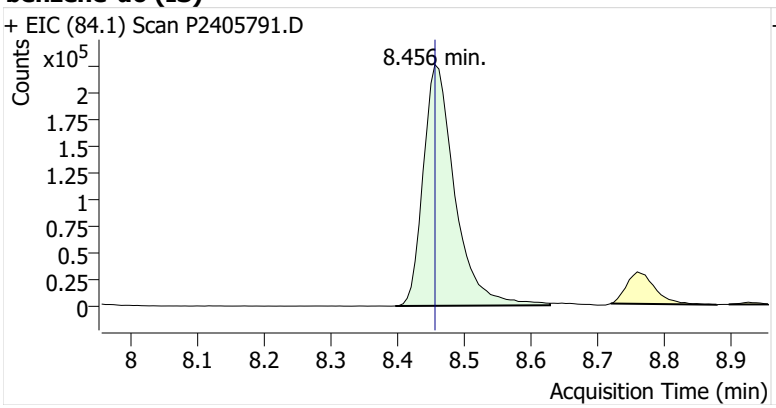
Name	IRVSEA-11-S-20240919
Comment	B21055
Data File	P2405791.D
Acq. Date-Time	10/9/2024 1:58:04 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

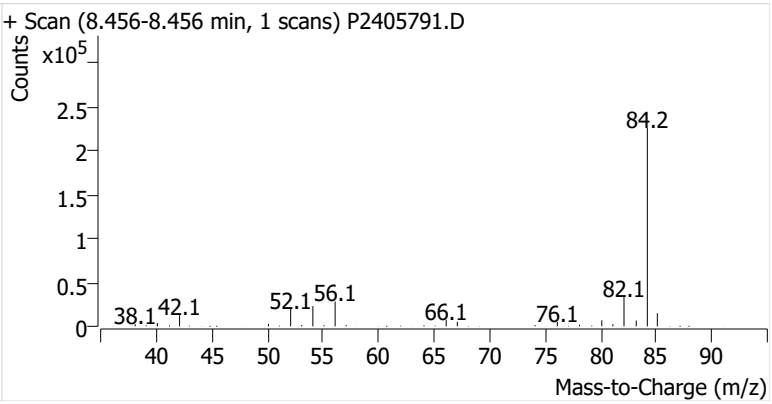
Sample Chromatogram



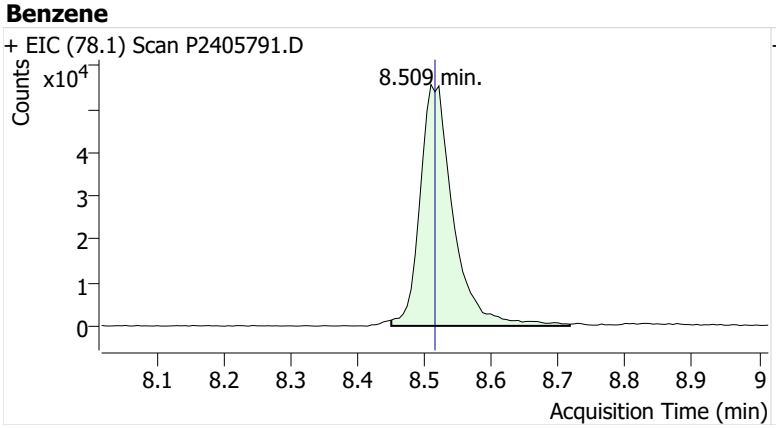
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.456	741,171	
Benzene	benzene-d6 (IS)	8.509	8.515	191,593	
Toluene-d8 (IS)		11.032	11.032	1,031,990	
Toluene	Toluene-d8 (IS)	11.121	11.121	555,611	
Ethylbenzene	Toluene-d8 (IS)	13.257	13.252	100,707	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	223,056	
o-Xylene	Toluene-d8 (IS)	13.928	13.922	92,875	

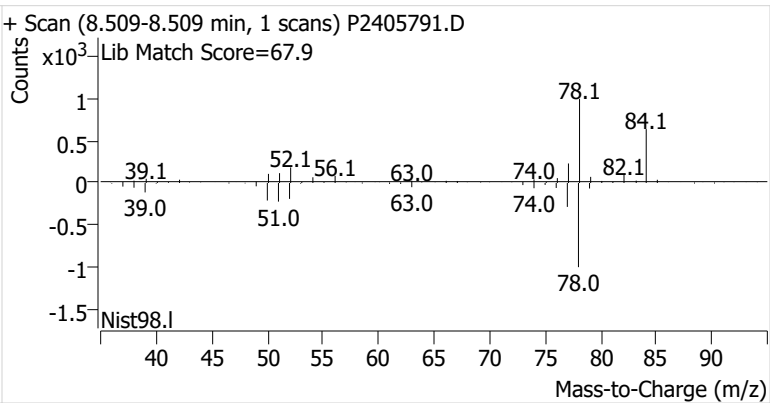
benzene-d6 (IS)



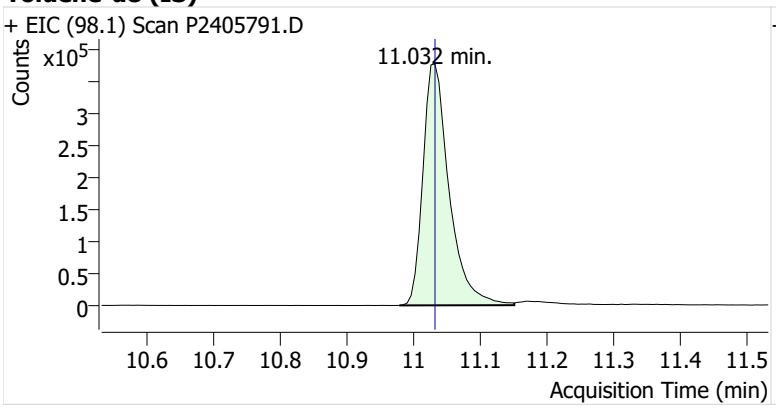


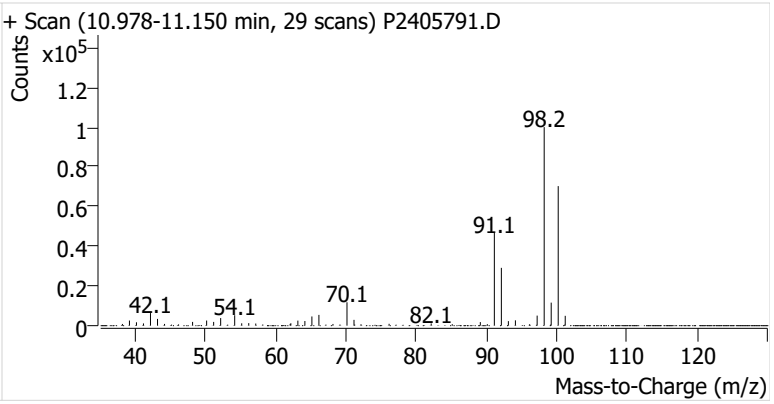
Benzene



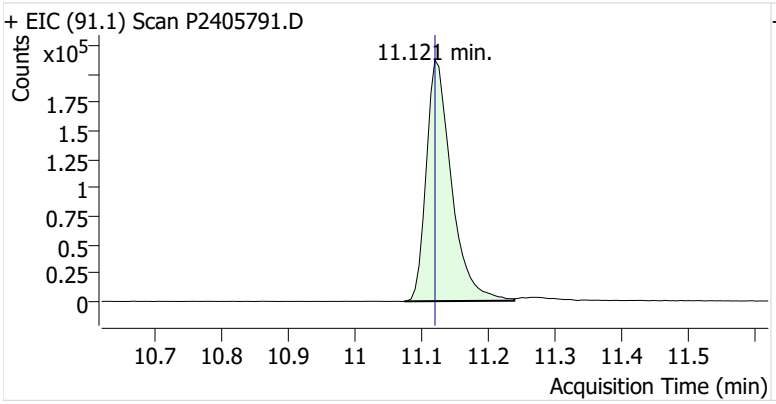


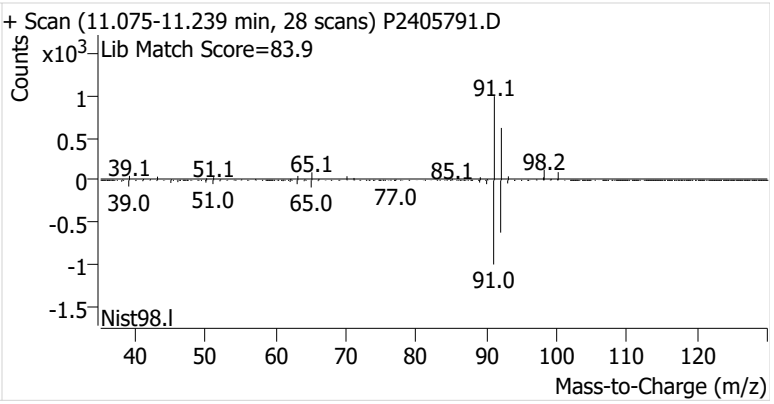
Toluene-d8 (IS)



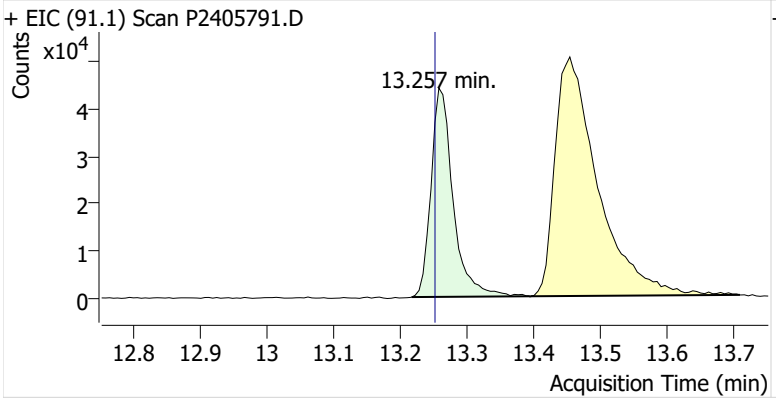


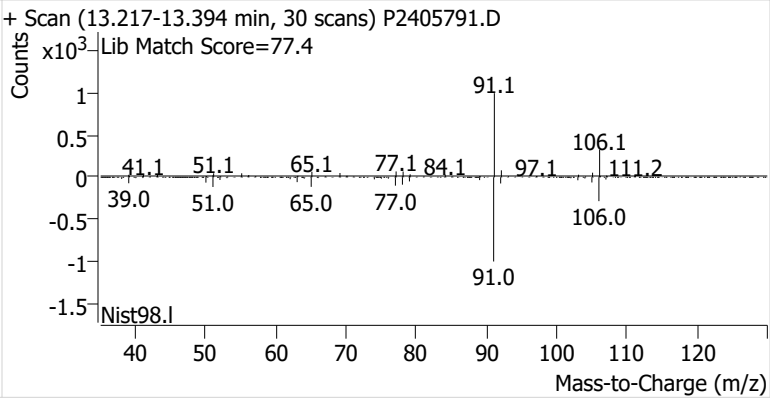
Toluene



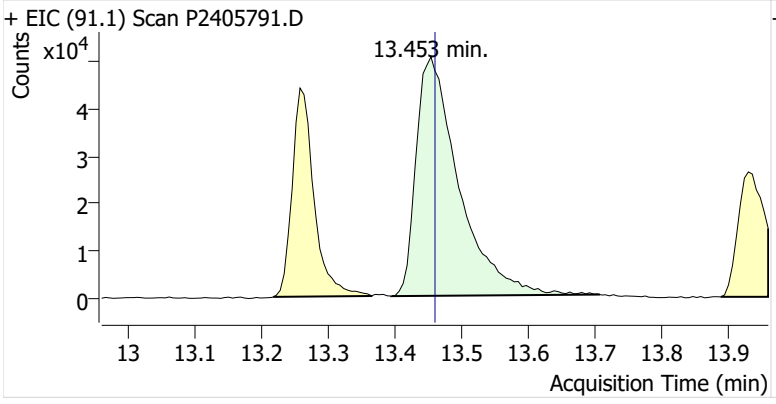


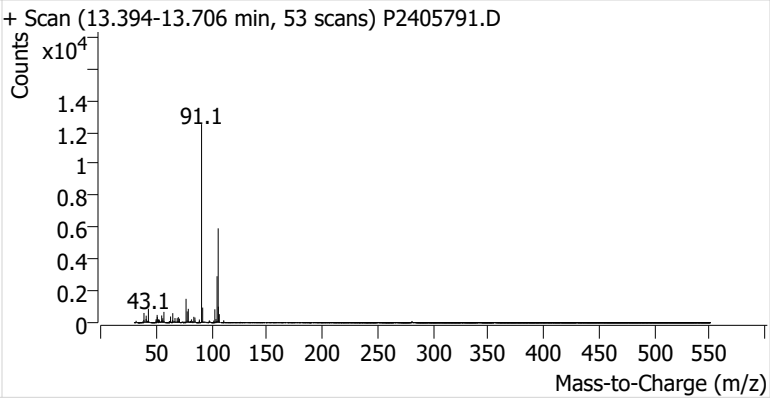
Ethylbenzene



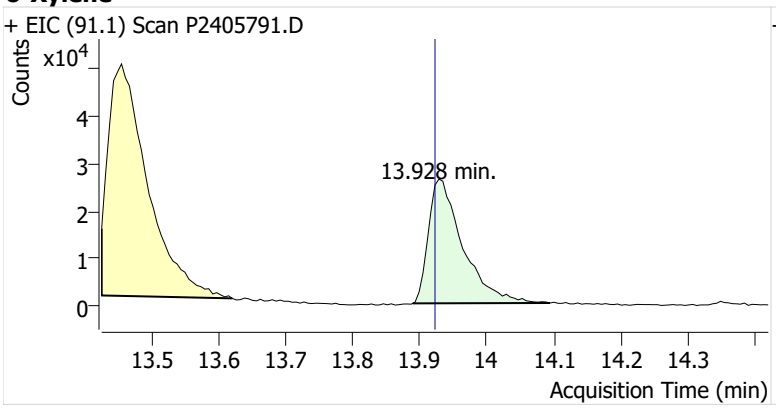


m-/p-Xylene





o-Xylene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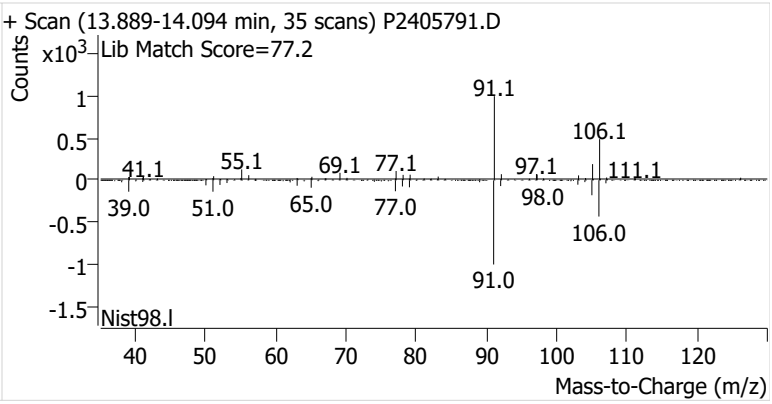
Acquisition Time (min)


+ Scan (13.889-14.094 min, 35 scans) P2405791.D
Lib Match Score=77.2
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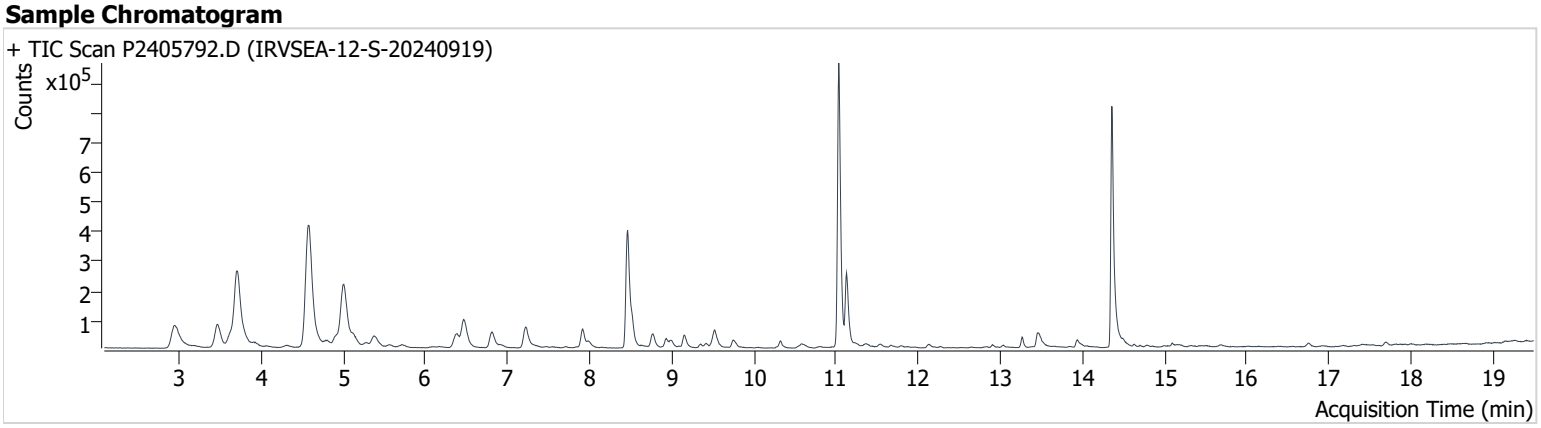
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

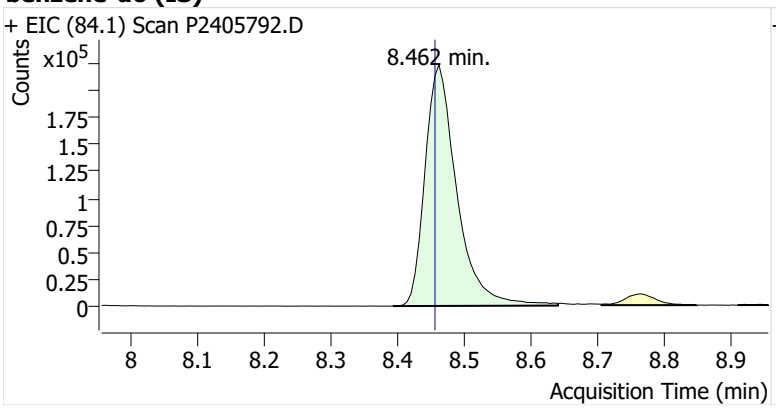
Name	IRVSEA-12-S-20240919
Comment	C31341
Data File	P2405792.D
Acq. Date-Time	10/9/2024 2:35:19 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

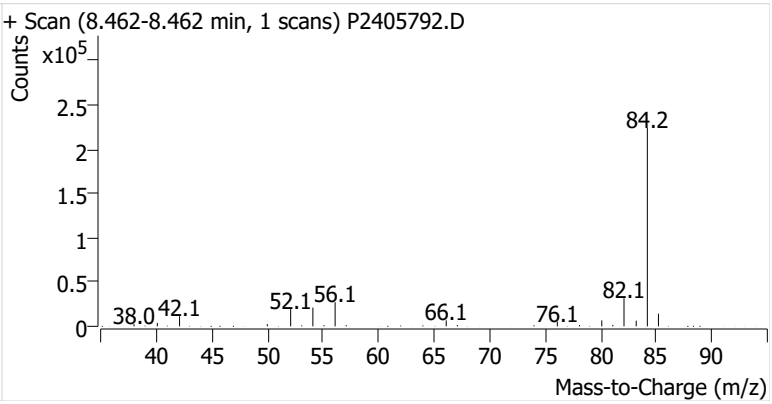
Sample Chromatogram



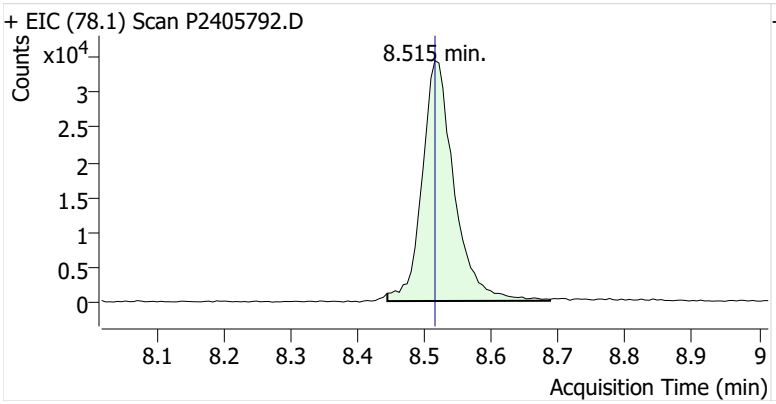
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	736,538	
Benzene	benzene-d6 (IS)	8.515	8.515	114,446	
Toluene-d8 (IS)		11.032	11.032	1,025,383	
Toluene	Toluene-d8 (IS)	11.127	11.121	259,858	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.252	36,507	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	85,986	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	35,532	

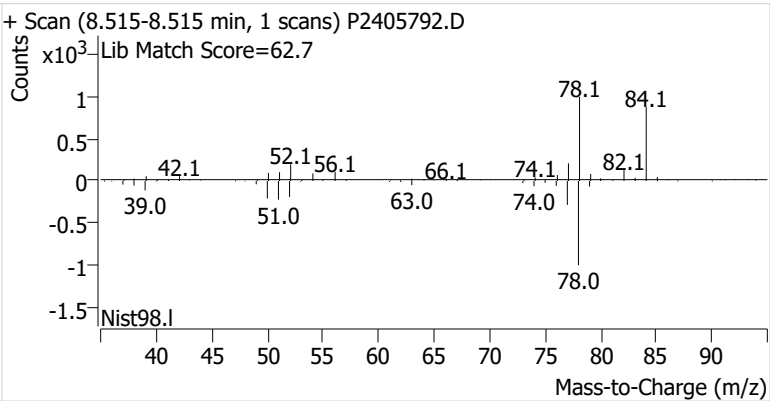
benzene-d6 (IS)



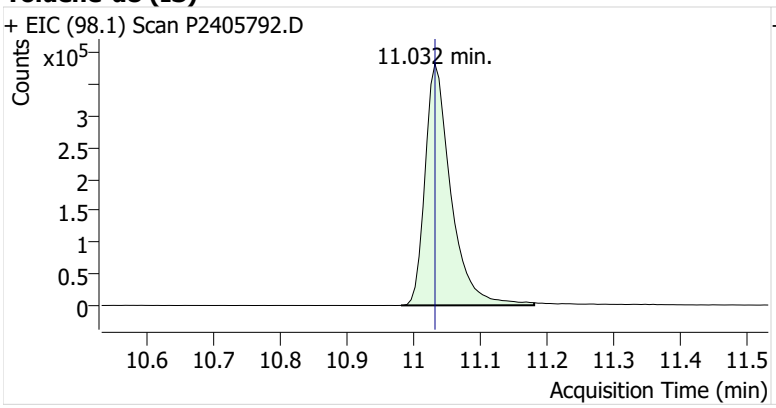


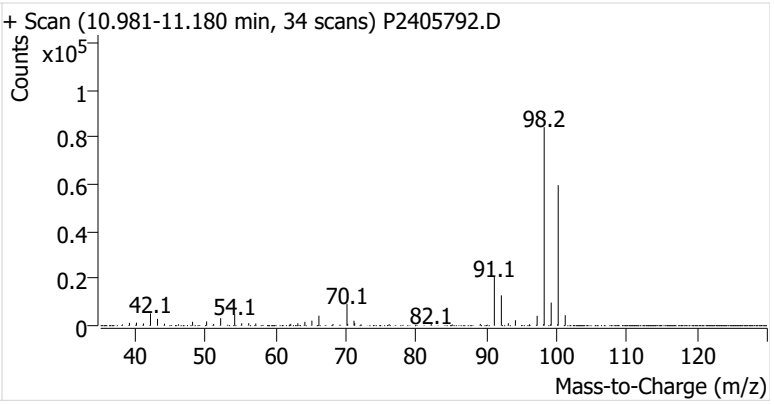
Benzene



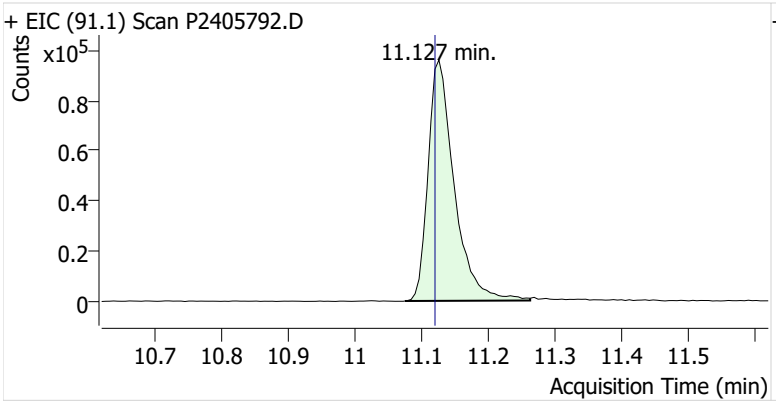


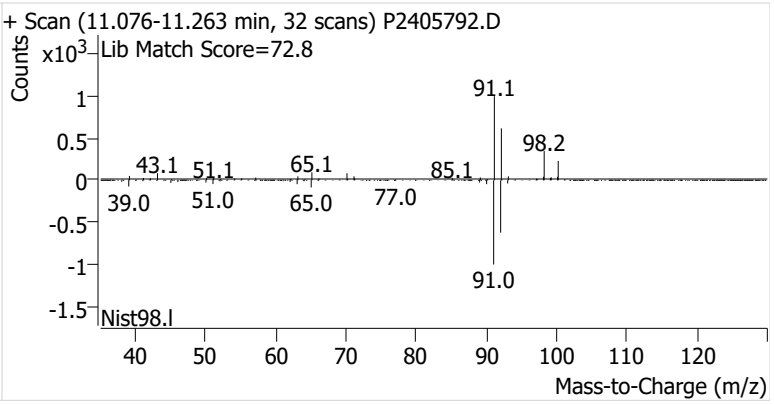
Toluene-d8 (IS)



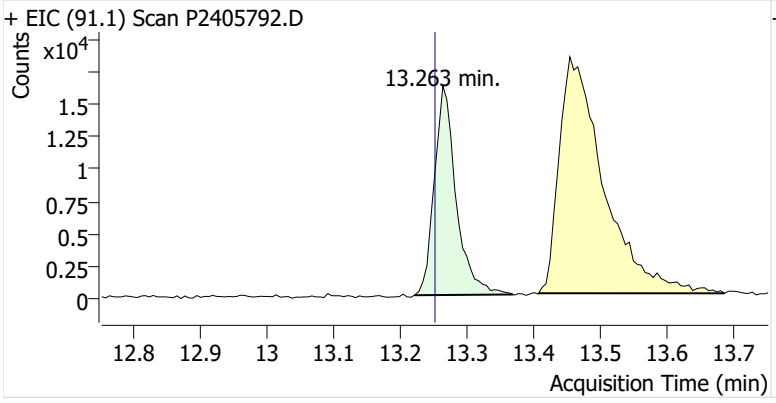


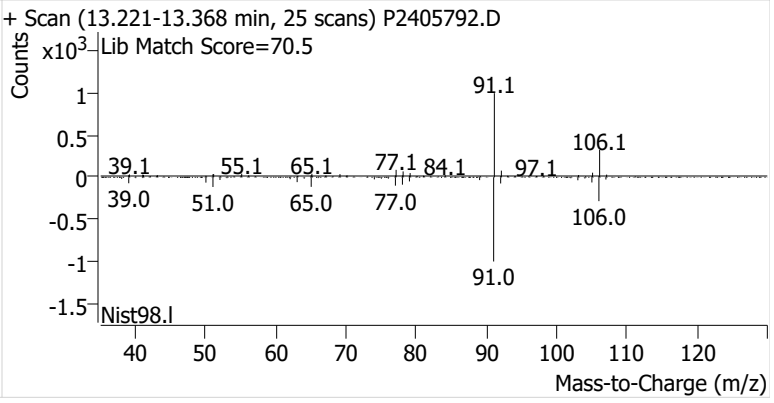
Toluene



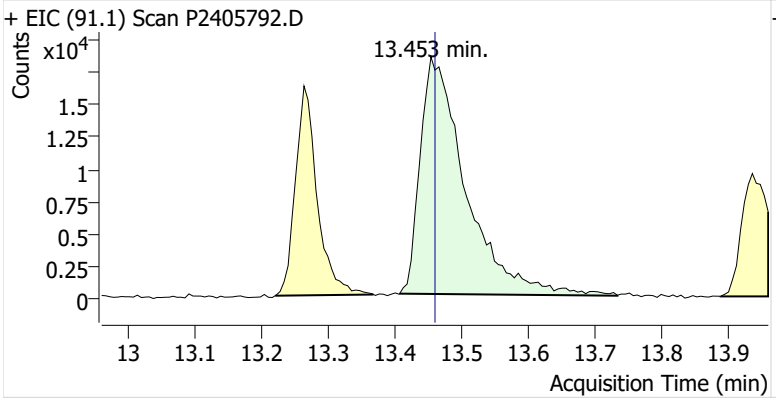


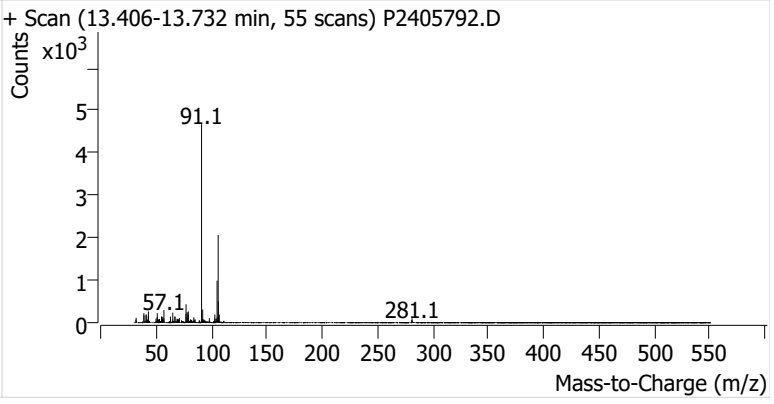
Ethylbenzene



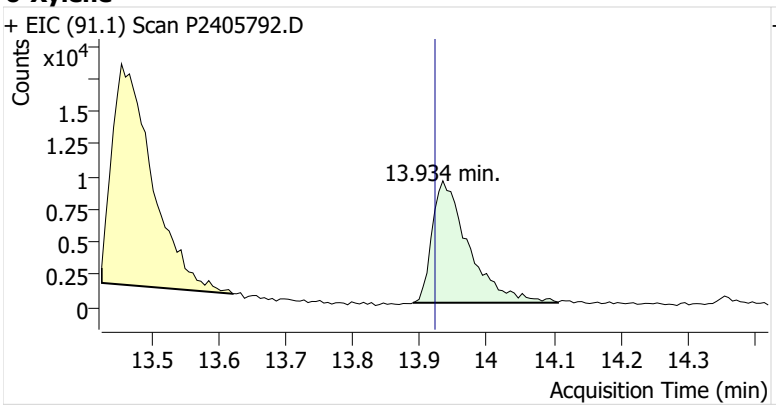


m-/p-Xylene





o-Xylene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0.5
0.25
0
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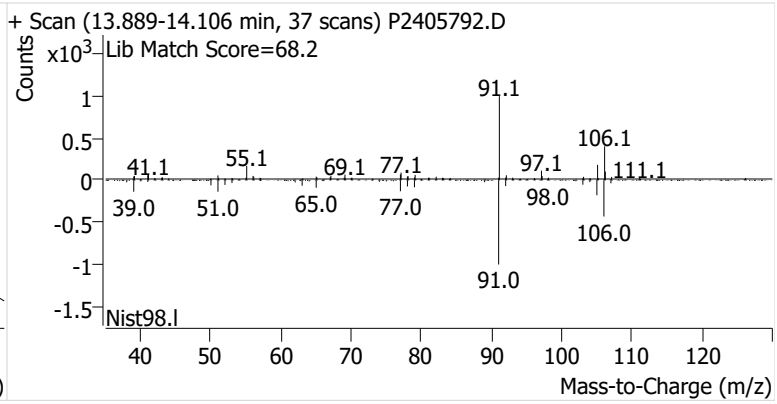
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.889-14.106 min, 37 scans) P2405792.D
Lib Match Score=68.2
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-1
-1.5
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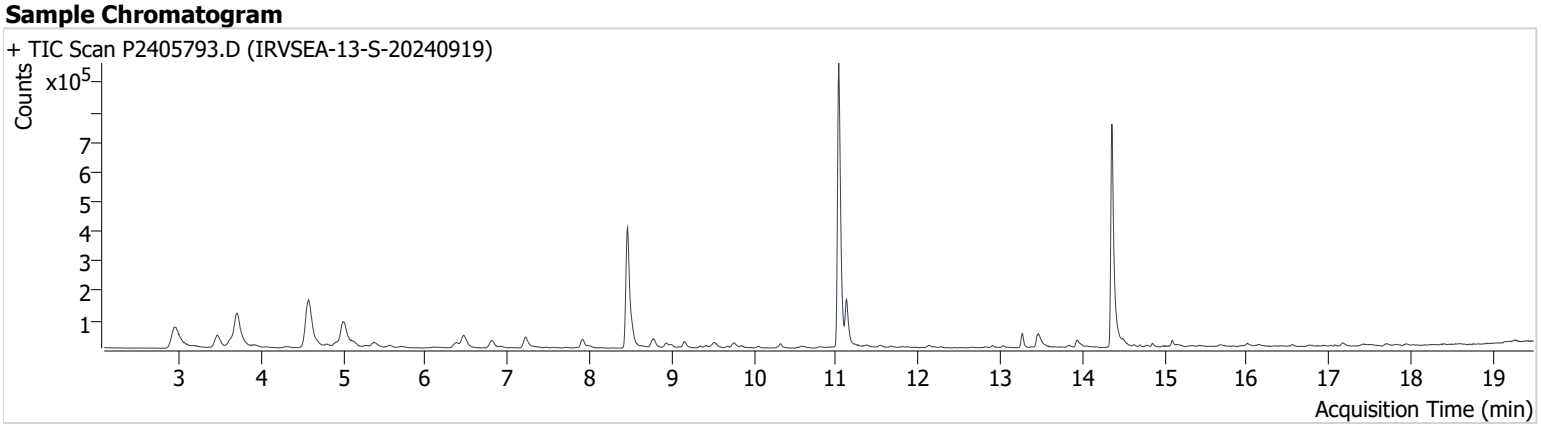
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

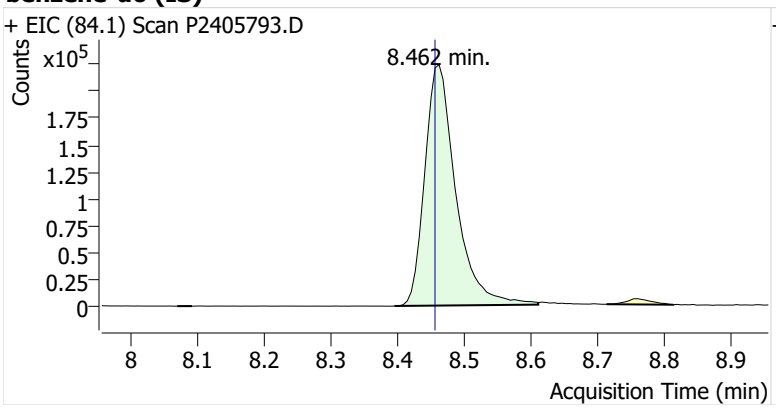
Name	IRVSEA-13-S-20240919
Comment	B35518
Data File	P2405793.D
Acq. Date-Time	10/9/2024 3:12:35 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

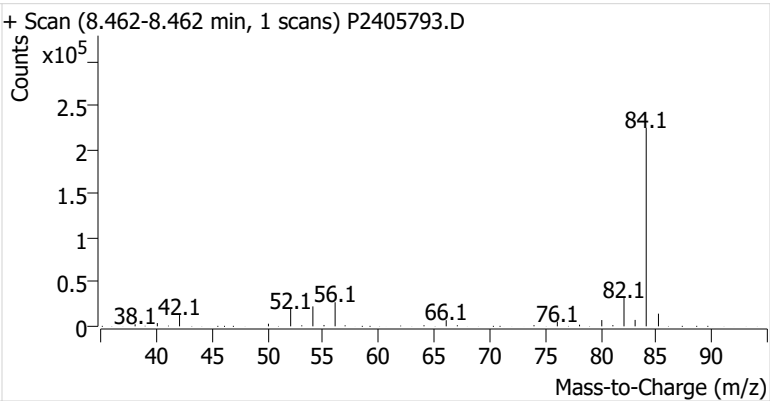
Sample Chromatogram



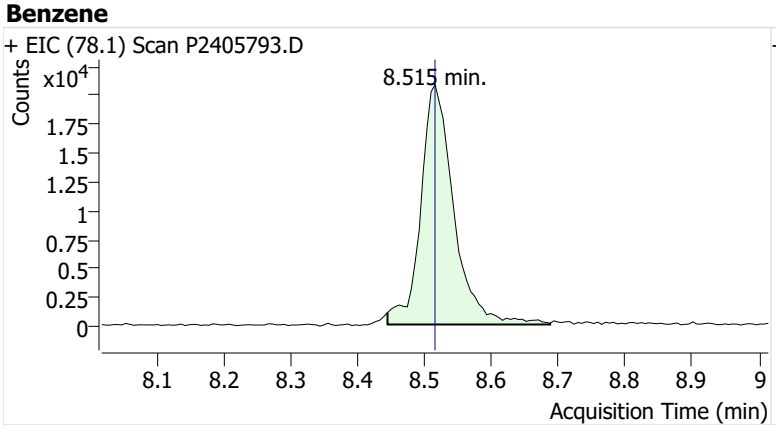
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	722,439	
Benzene	benzene-d6 (IS)	8.515	8.515	71,634	
Toluene-d8 (IS)		11.032	11.032	1,033,200	
Toluene	Toluene-d8 (IS)	11.127	11.121	165,509	
Ethylbenzene	Toluene-d8 (IS)	13.264	13.252	50,945	
m-/p-Xylene	Toluene-d8 (IS)	13.460	13.459	79,598	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	32,502	

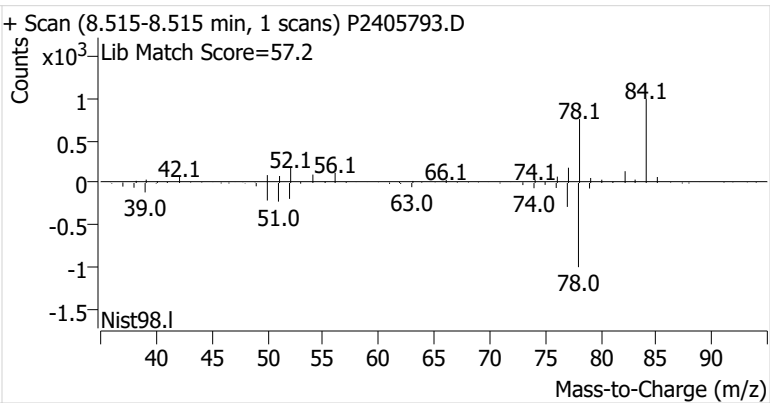
benzene-d6 (IS)



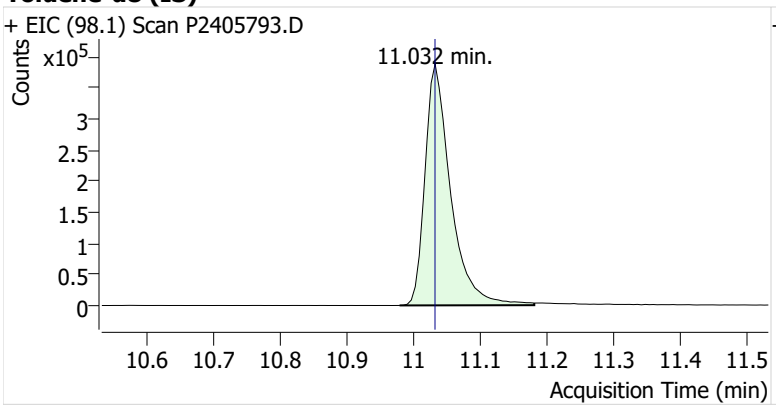


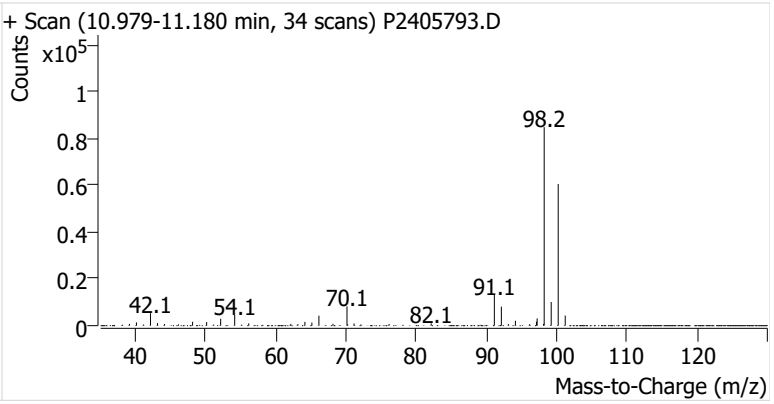
Benzene



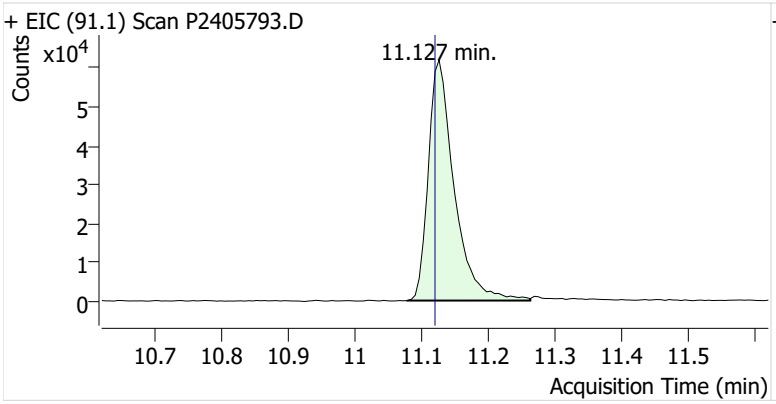


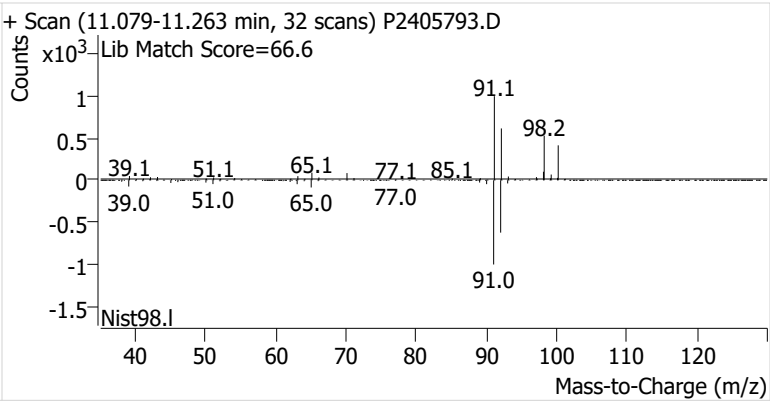
Toluene-d8 (IS)



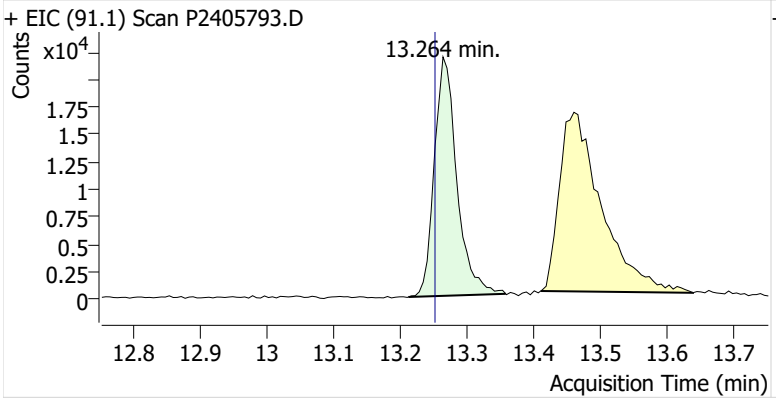


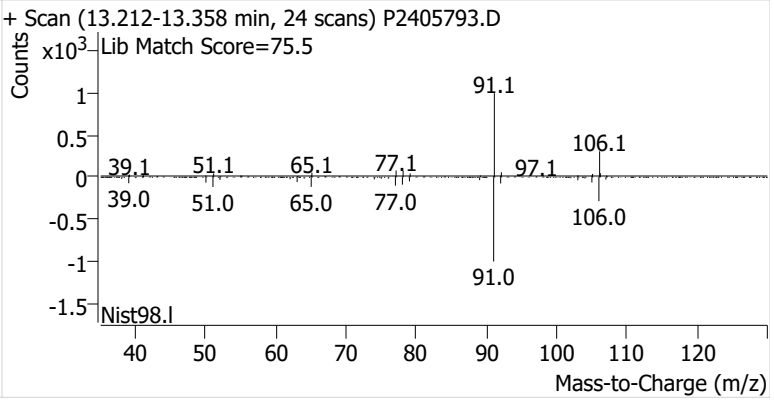
Toluene



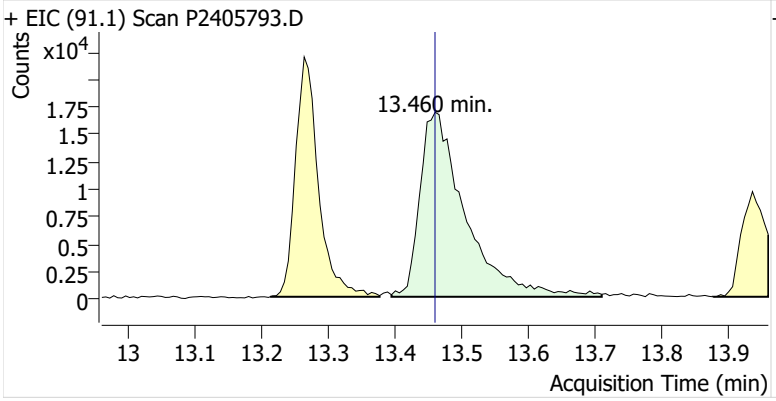


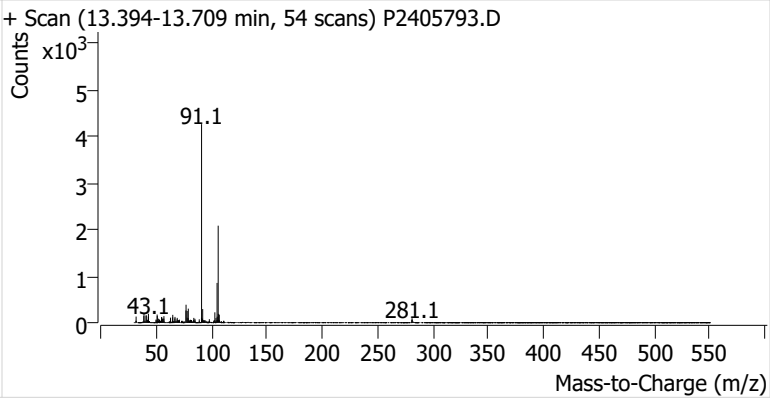
Ethylbenzene



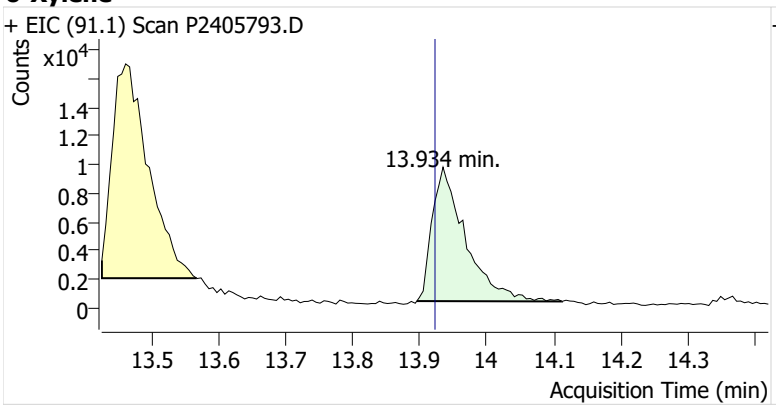


m-/p-Xylene





o-Xylene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1.2
1
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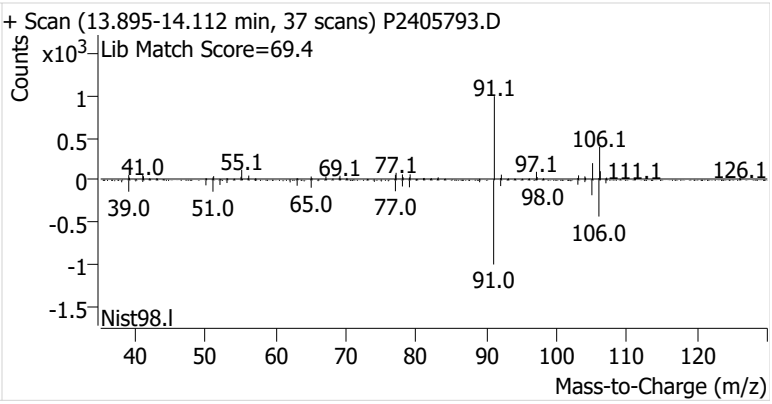
0.6
0.4
0.2
0
13.934 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.895-14.112 min, 37 scans) P2405793.D
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-0.5
-1
-1.5
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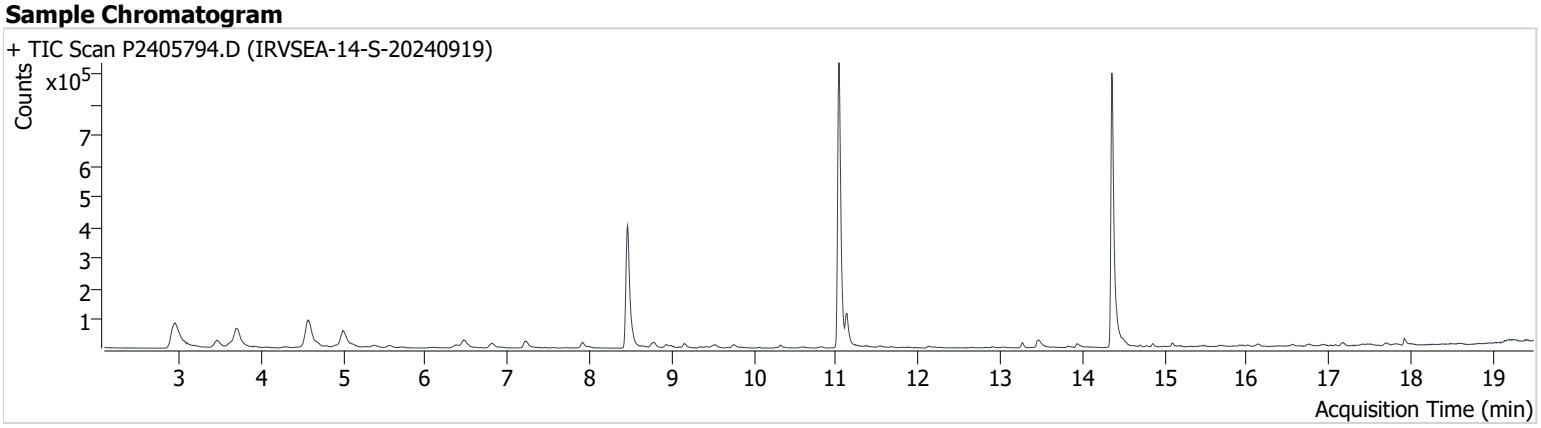
41.0
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

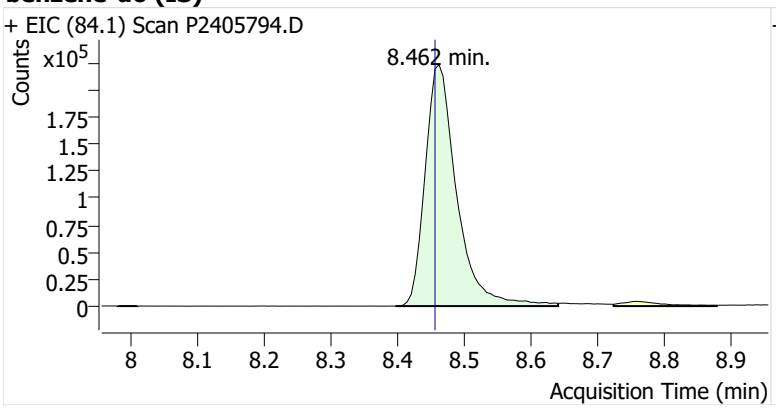
Name	IRVSEA-14-S-20240919
Comment	C35866
Data File	P2405794.D
Acq. Date-Time	10/9/2024 3:49:50 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

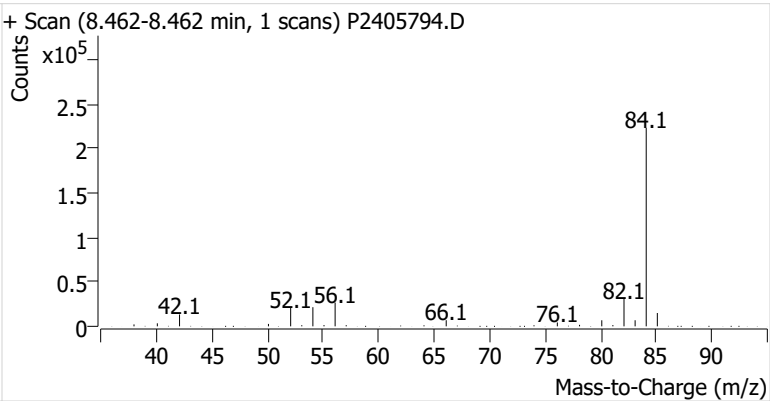
Sample Chromatogram



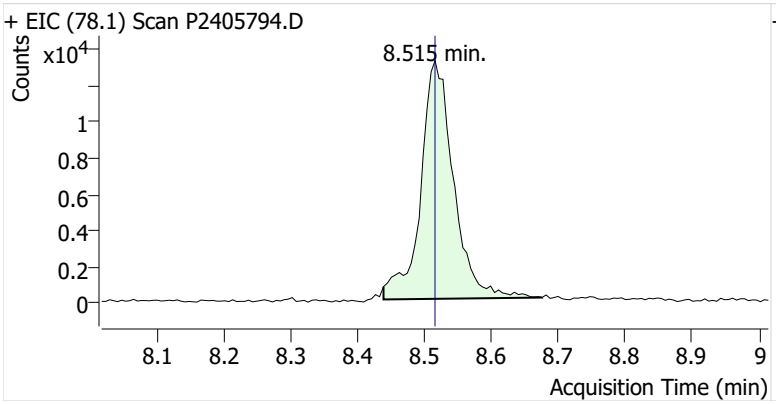
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	731,130	
Benzene	benzene-d6 (IS)	8.515	8.515	45,139	
Toluene-d8 (IS)		11.032	11.032	1,052,650	
Toluene	Toluene-d8 (IS)	11.133	11.121	107,679	
Ethylbenzene	Toluene-d8 (IS)	13.270	13.252	16,418	
m-/p-Xylene	Toluene-d8 (IS)	13.459	13.459	42,700	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	17,482	

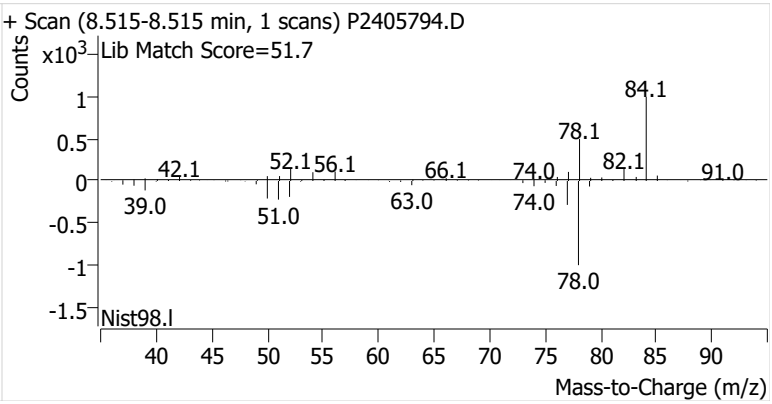
benzene-d6 (IS)



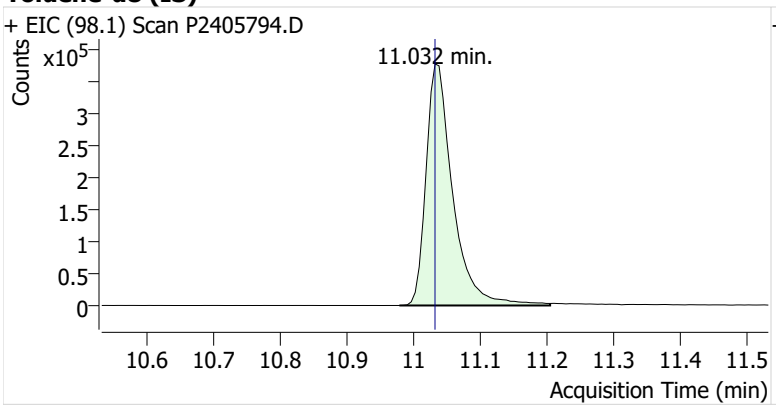


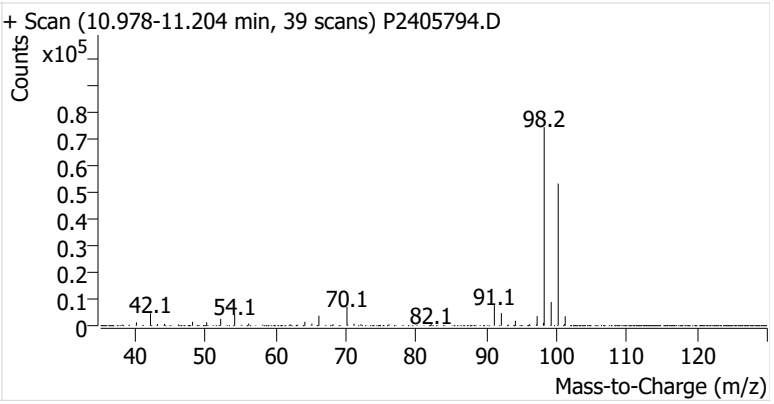
Benzene



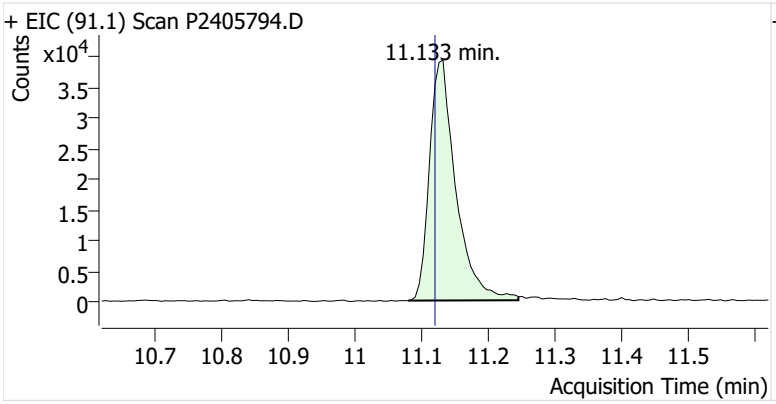


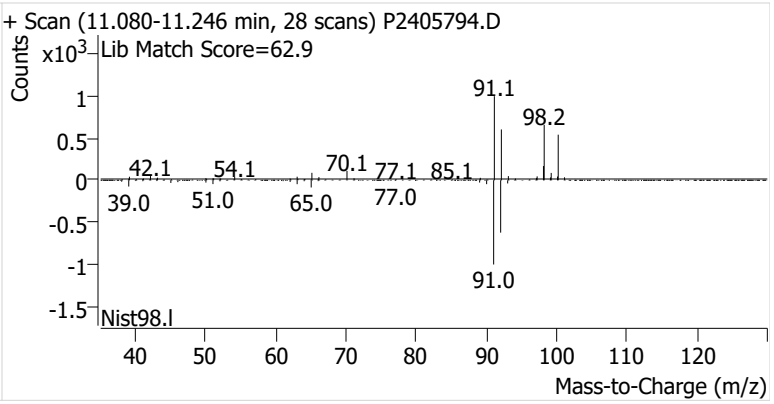
Toluene-d8 (IS)



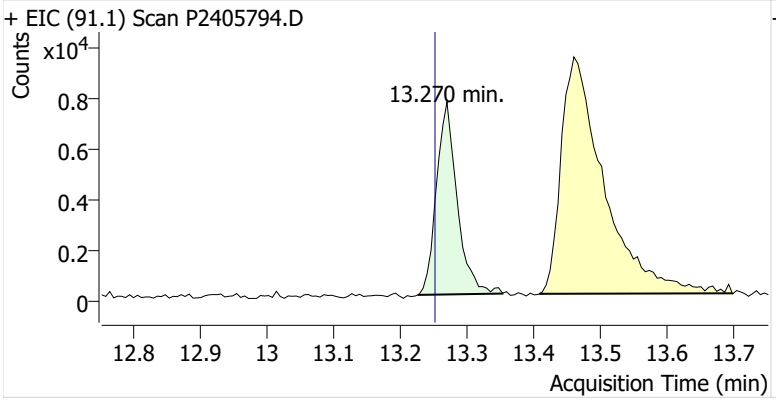


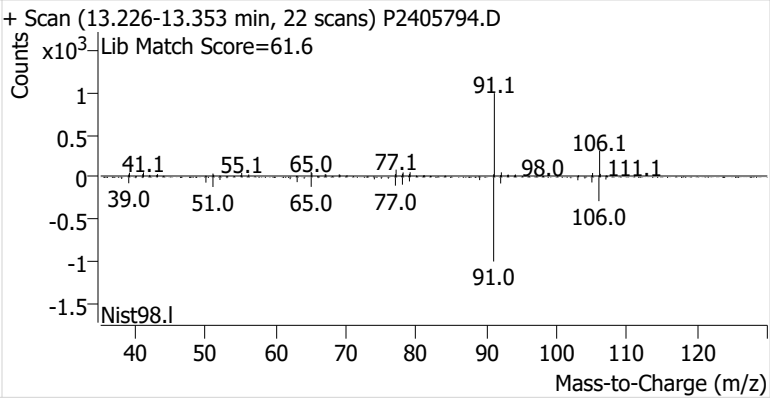
Toluene



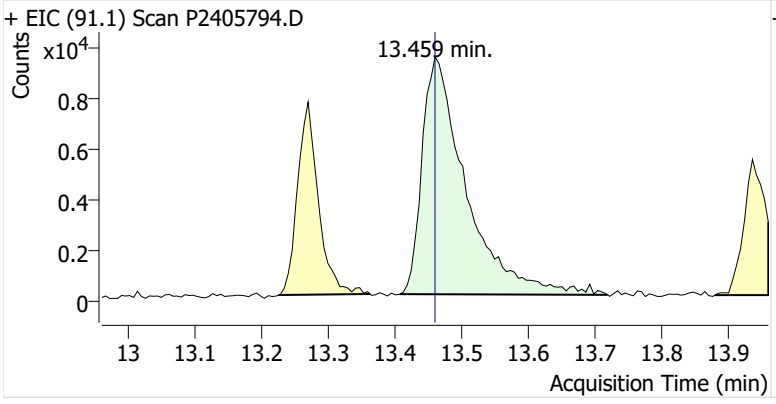


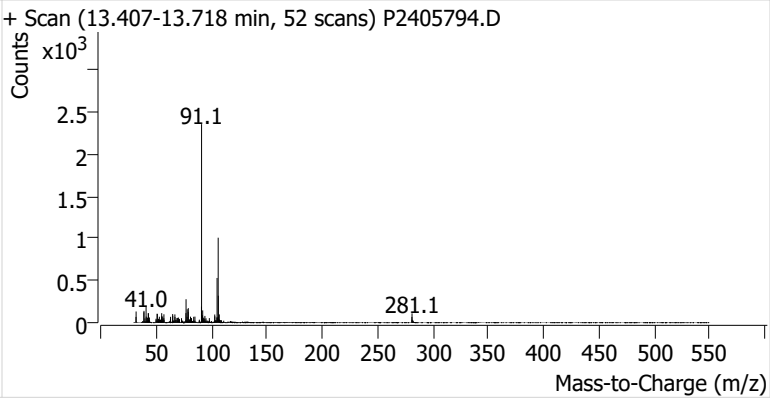
Ethylbenzene



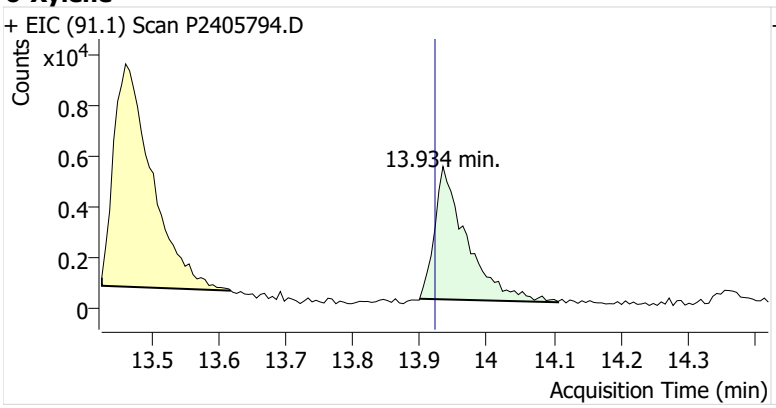


m-/p-Xylene





o-Xylene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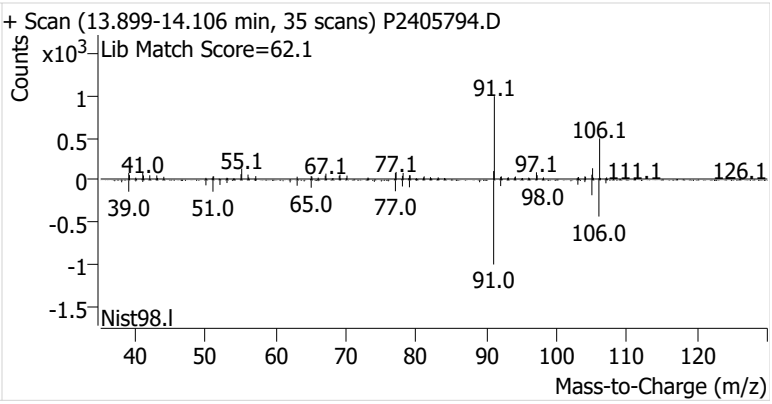
0.6
0.4
0.2
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.899-14.106 min, 35 scans) P2405794.D
Lib Match Score=62.1
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-1
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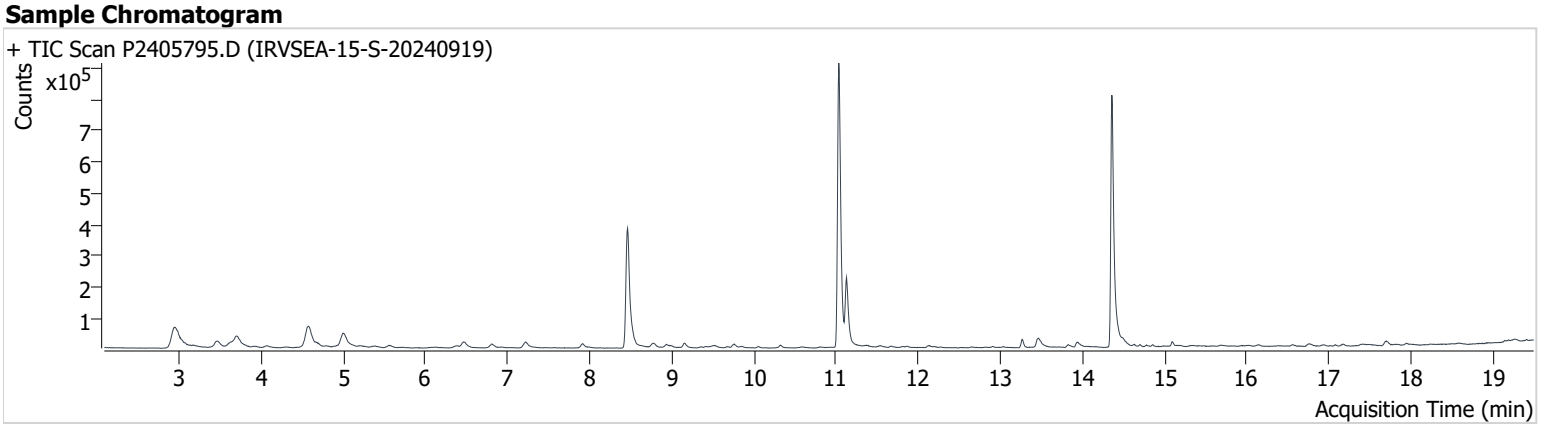
41.0
55.1
67.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

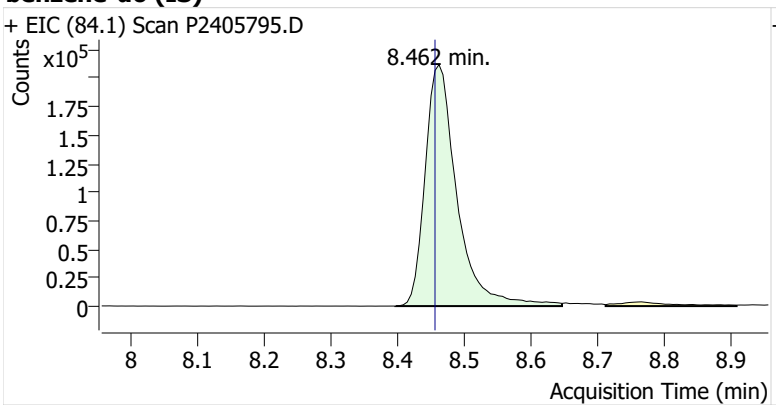
Name	IRVSEA-15-S-20240919
Comment	B35456
Data File	P2405795.D
Acq. Date-Time	10/9/2024 4:27:09 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

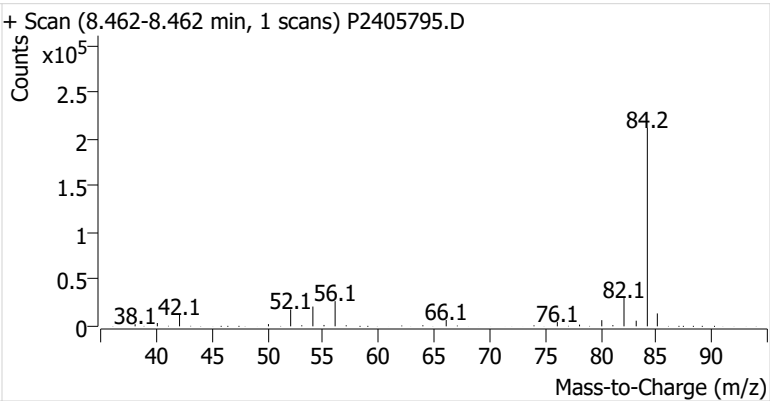
Sample Chromatogram



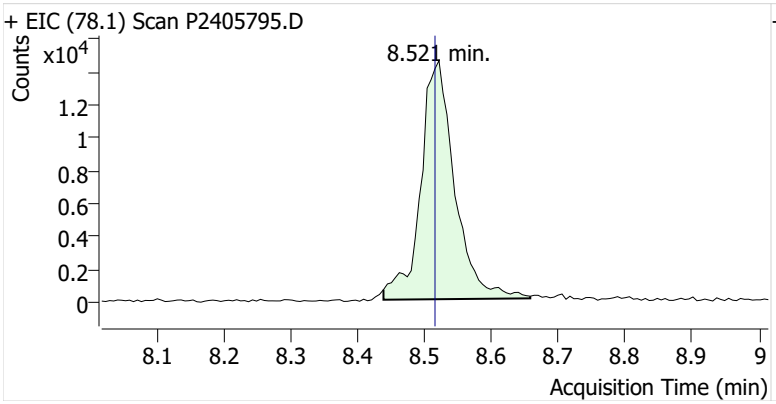
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	700,572	
Benzene	benzene-d6 (IS)	8.521	8.515	51,367	
Toluene-d8 (IS)		11.032	11.032	1,010,050	
Toluene	Toluene-d8 (IS)	11.127	11.121	244,040	
Ethylbenzene	Toluene-d8 (IS)	13.264	13.252	29,725	
m-/p-Xylene	Toluene-d8 (IS)	13.454	13.459	47,616	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	23,240	

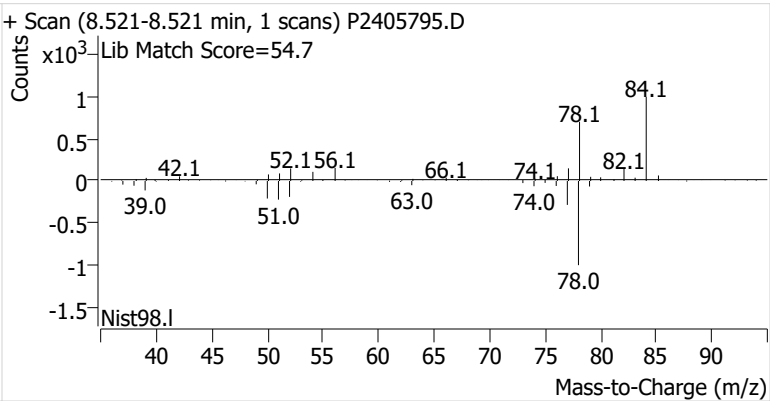
benzene-d6 (IS)



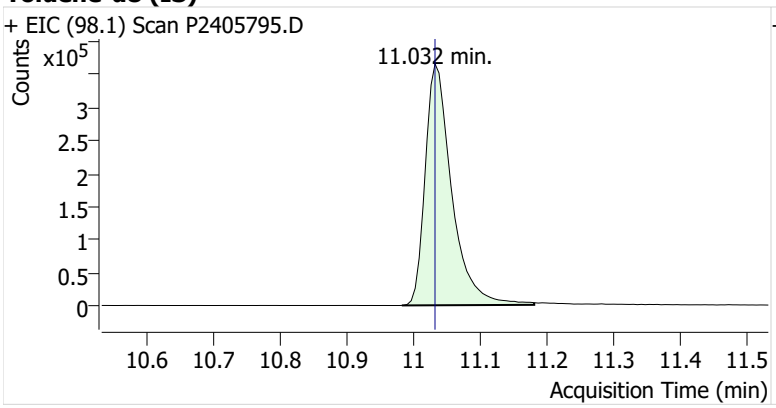


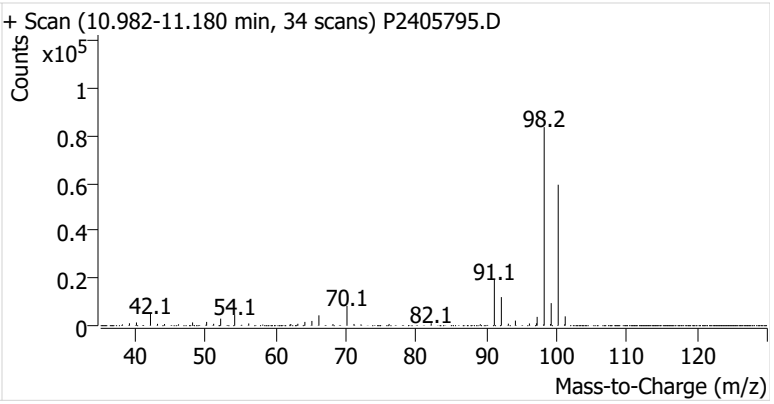
Benzene



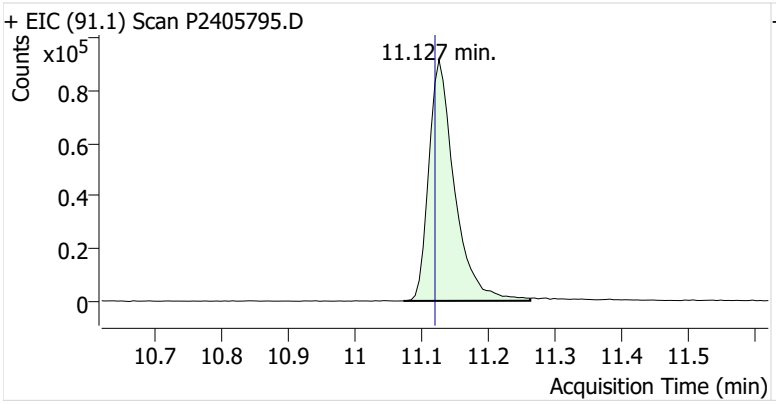


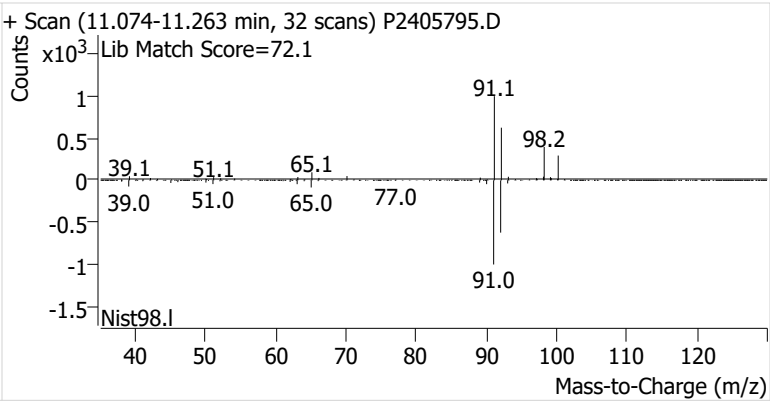
Toluene-d8 (IS)



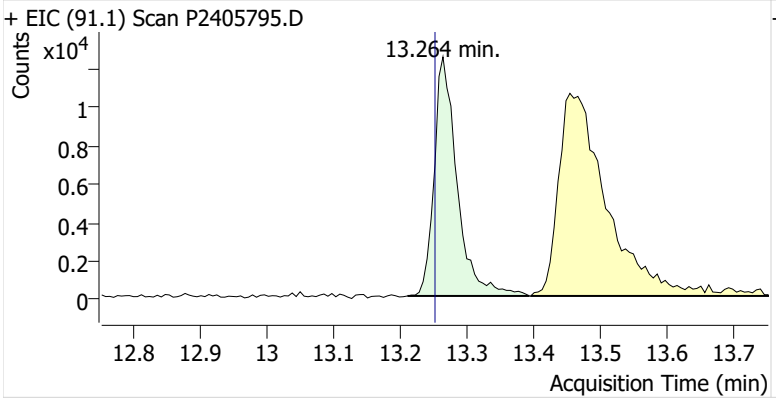


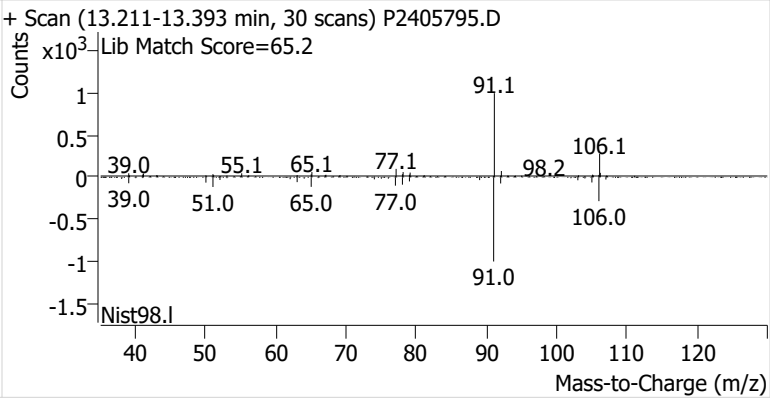
Toluene



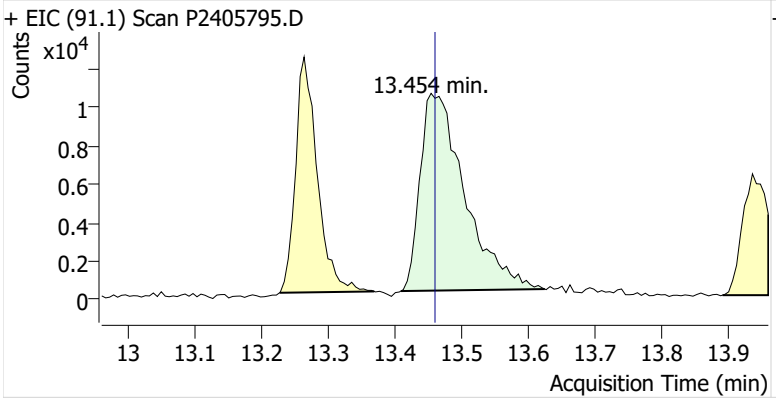


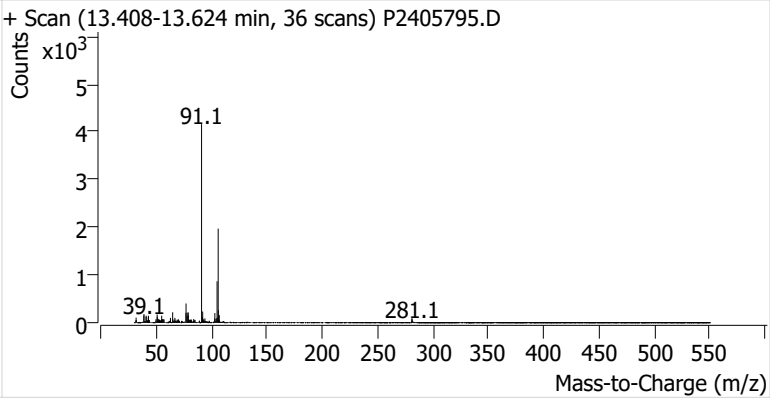
Ethylbenzene



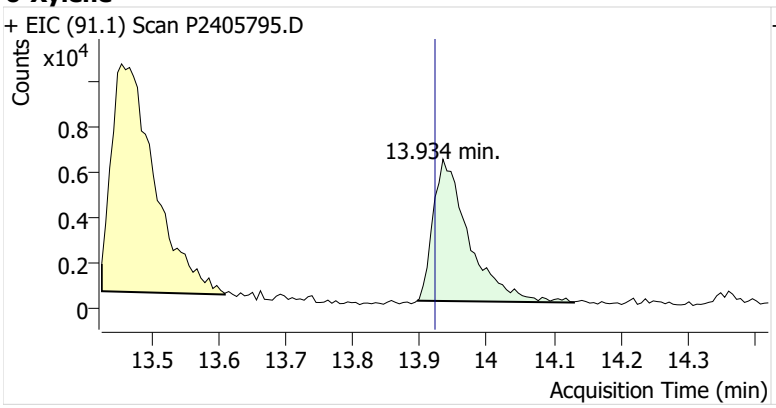


m-/p-Xylene





o-Xylene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13.6
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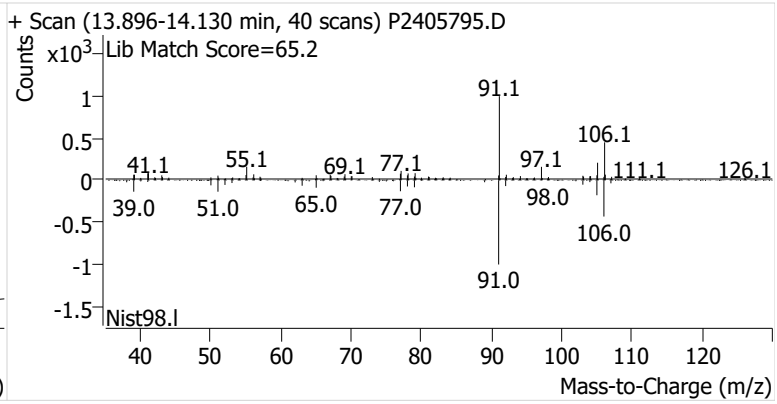
14.1
14.2
14.3
Acquisition Time (min)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-1
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69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
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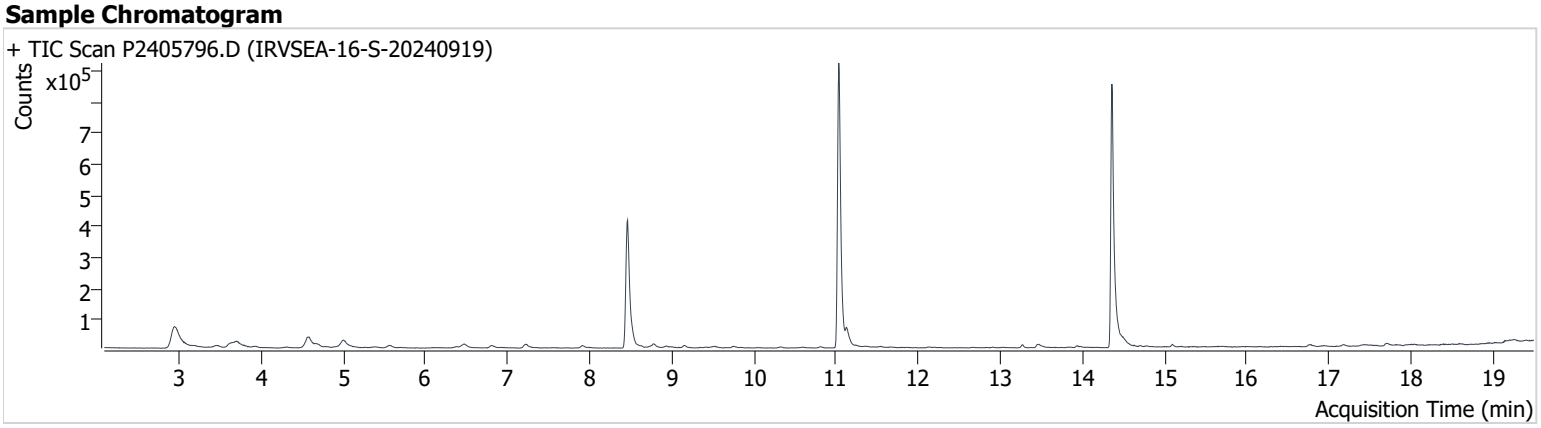
80
90
100
110
120
Mass-to-Charge (m/z)

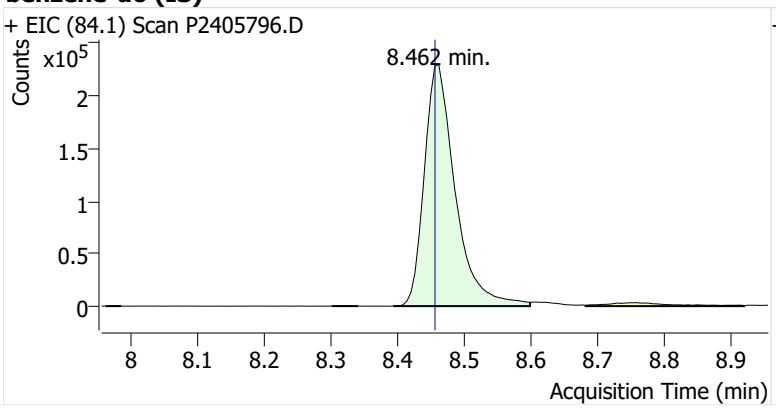
Name	IRVSEA-16-S-20240919
Comment	B51040
Data File	P2405796.D
Acq. Date-Time	10/9/2024 5:04:24 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

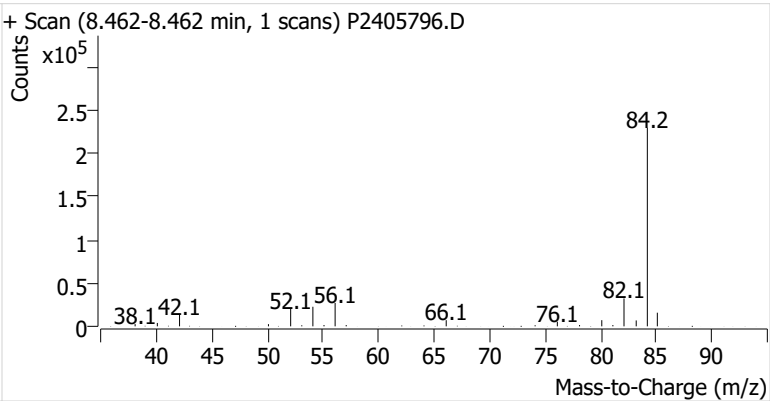
Sample Chromatogram



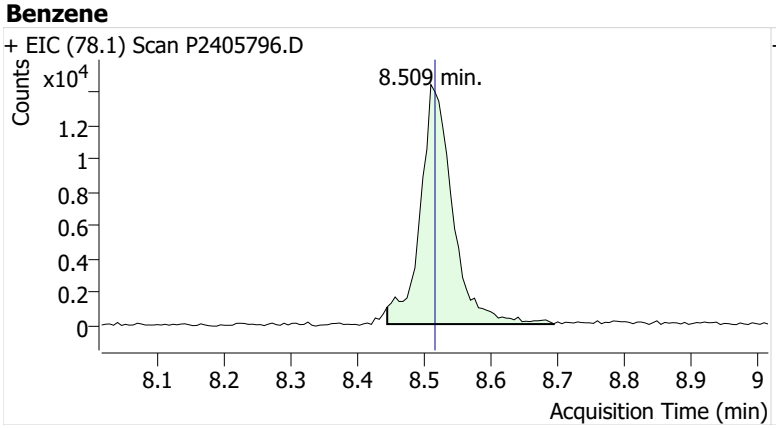
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	737,439	
Benzene	benzene-d6 (IS)	8.509	8.515	48,199	
Toluene-d8 (IS)		11.032	11.032	1,006,545	
Toluene	Toluene-d8 (IS)	11.127	11.121	59,829	
Ethylbenzene	Toluene-d8 (IS)	13.269	13.252	10,822	
m-/p-Xylene	Toluene-d8 (IS)	13.459	13.459	19,428	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	7,554	

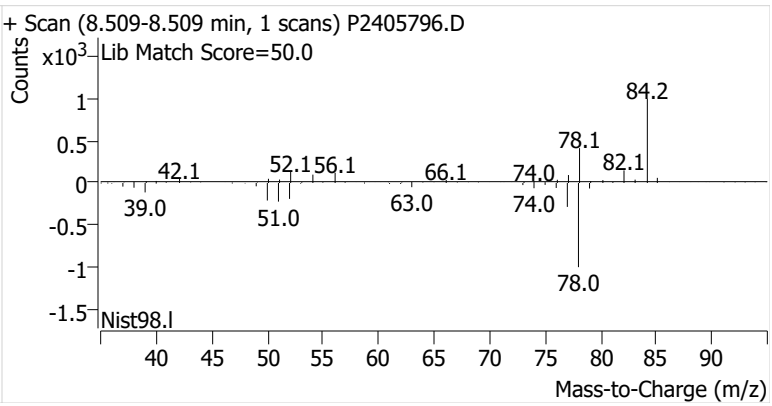
benzene-d6 (IS)



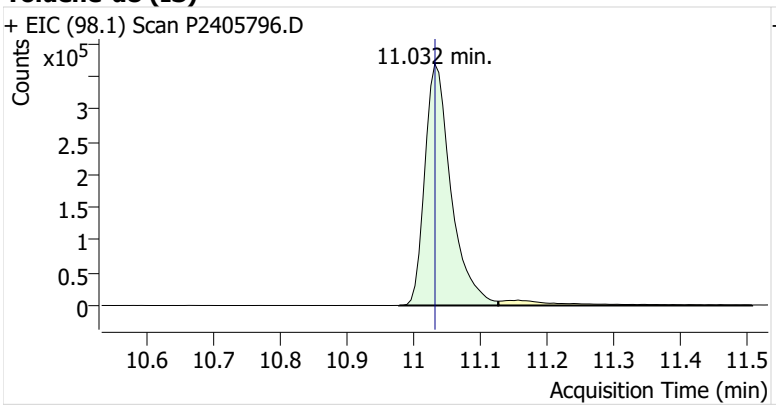


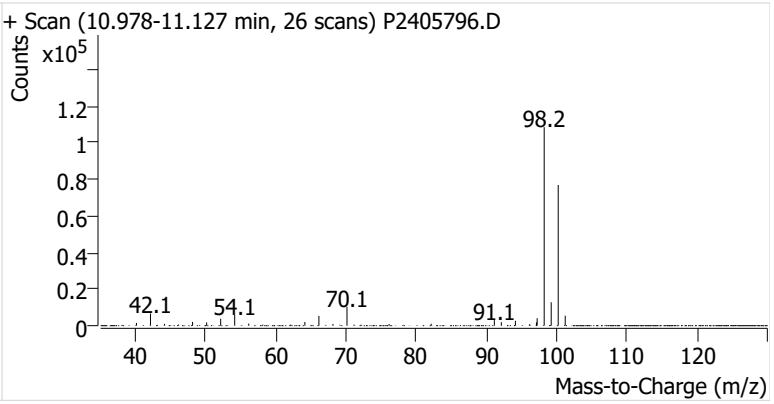
Benzene



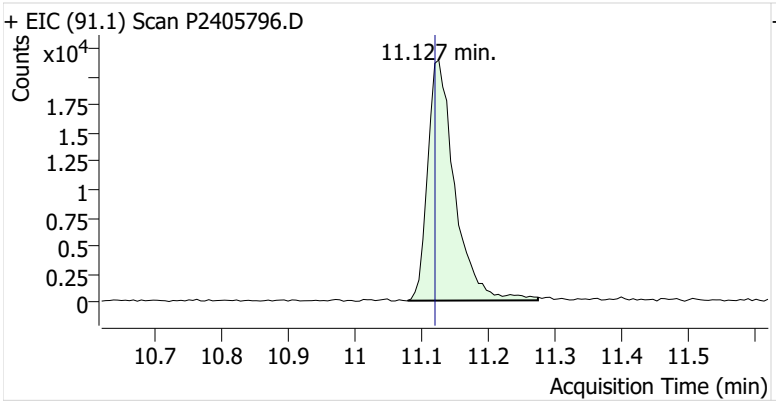


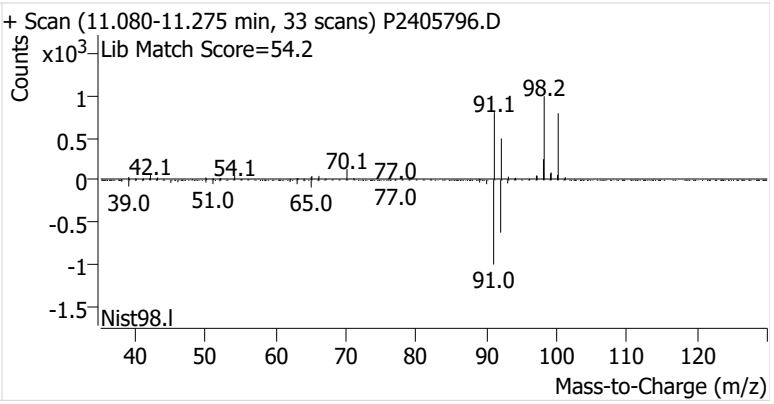
Toluene-d8 (IS)



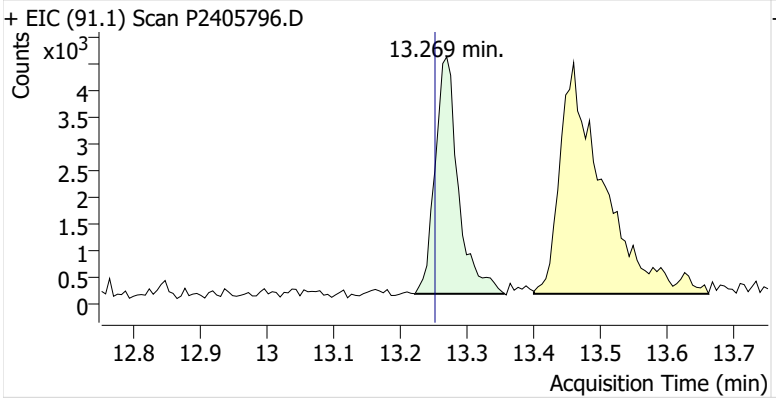


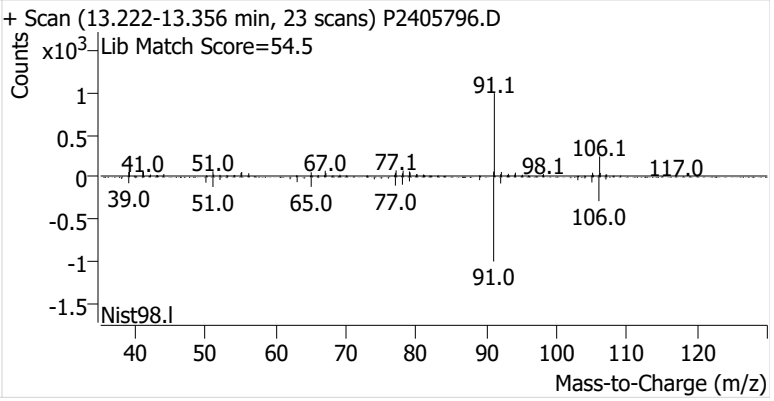
Toluene



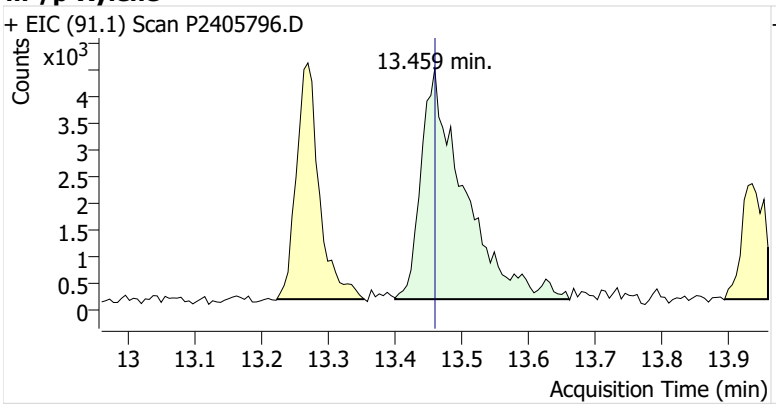


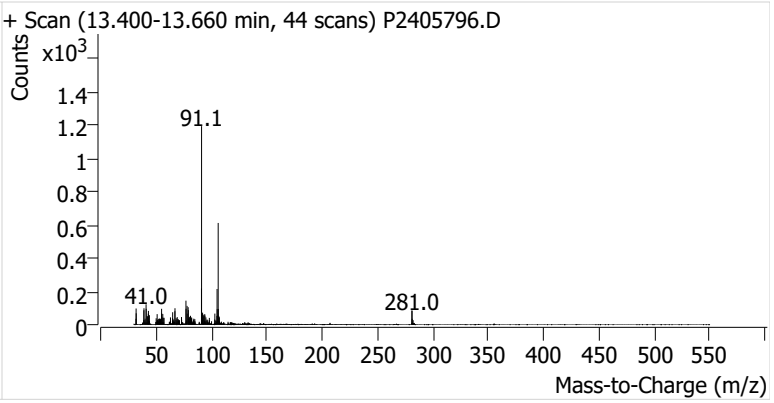
Ethylbenzene



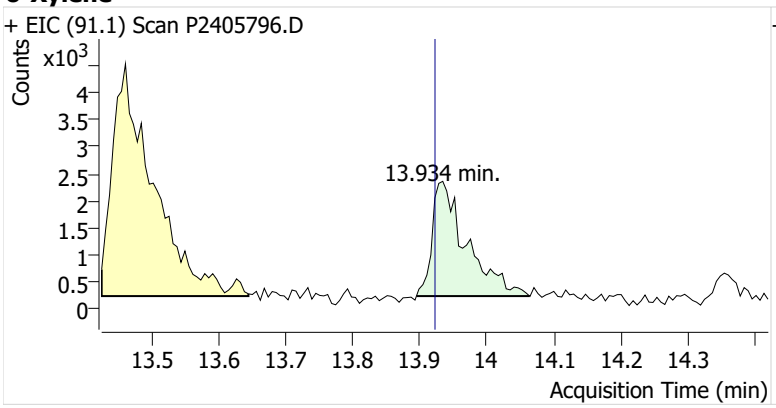


m-/p-Xylene





o-Xylene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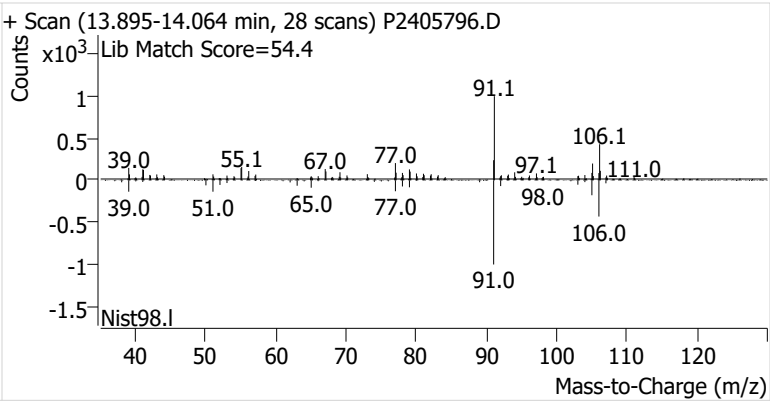
14
14.1
14.2
14.3
Acquisition Time (min)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111.0
39.0
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77.0
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106.0
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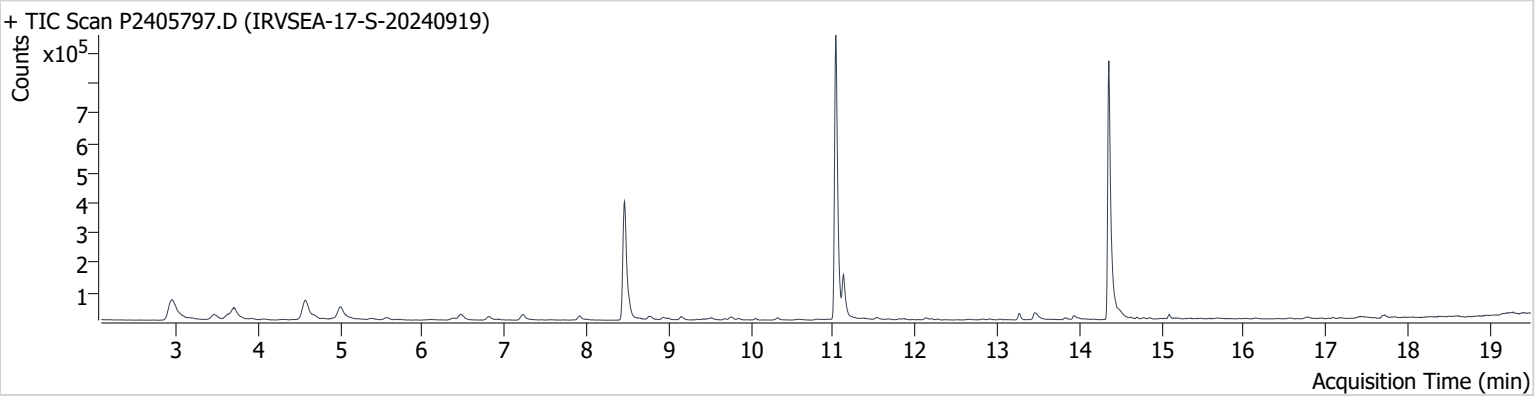
120
Mass-to-Charge (m/z)

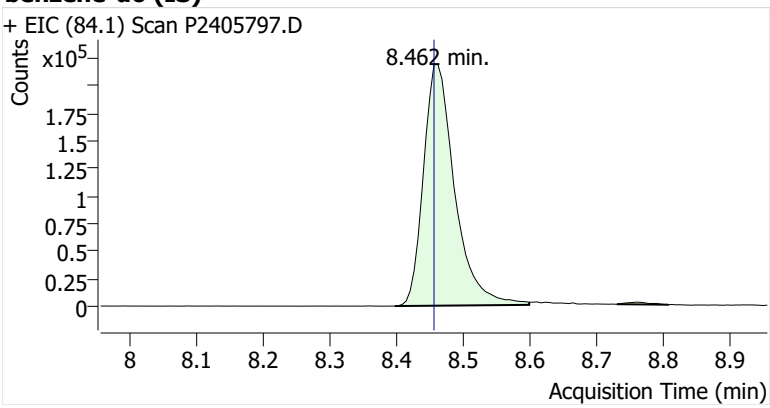
Name	IRVSEA-17-S-20240919
Comment	C01447
Data File	P2405797.D
Acq. Date-Time	10/9/2024 5:41:39 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

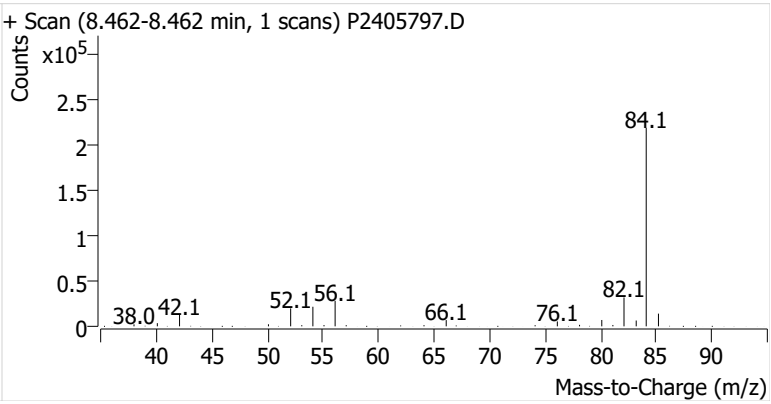
Sample Chromatogram



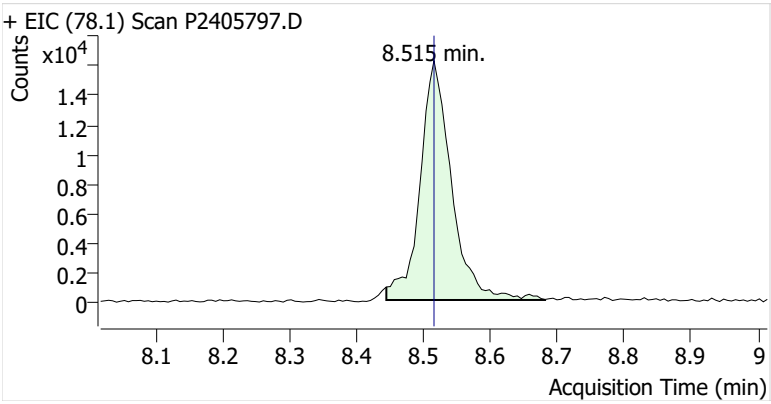
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.456	712,924	
Benzene	benzene-d6 (IS)	8.515	8.515	52,963	
Toluene-d8 (IS)		11.032	11.032	1,049,587	
Toluene	Toluene-d8 (IS)	11.127	11.121	154,148	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.252	21,400	
m-/p-Xylene	Toluene-d8 (IS)	13.459	13.459	36,315	
o-Xylene	Toluene-d8 (IS)	13.934	13.922	17,396	

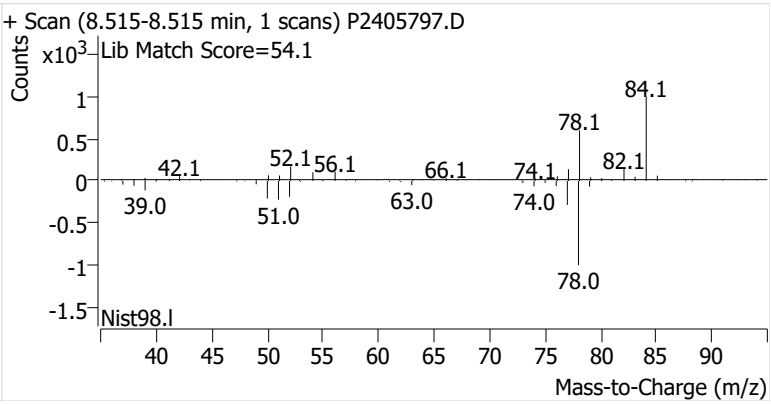
benzene-d6 (IS)



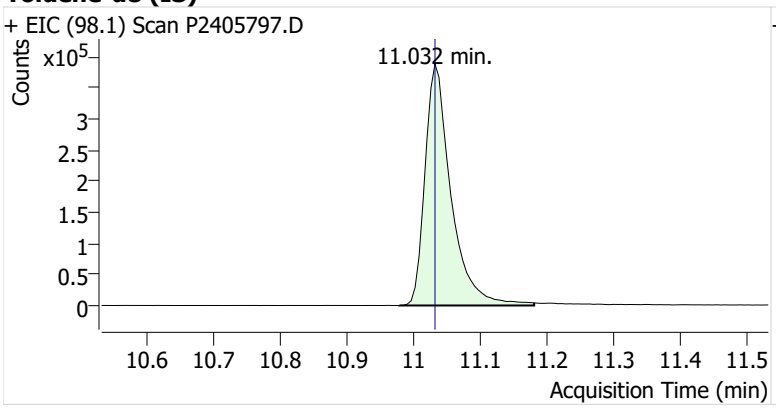


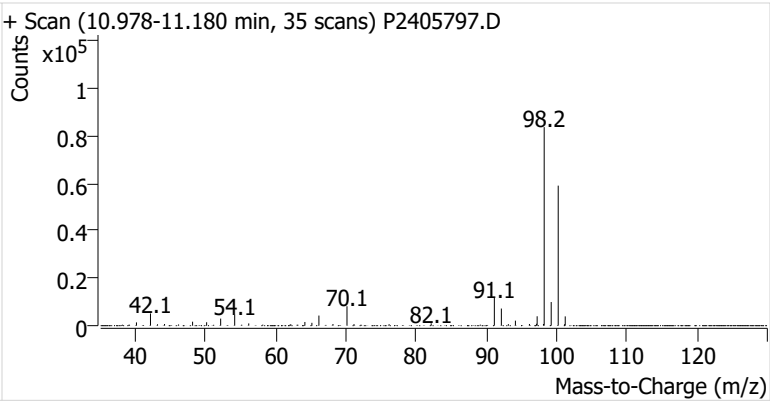
Benzene



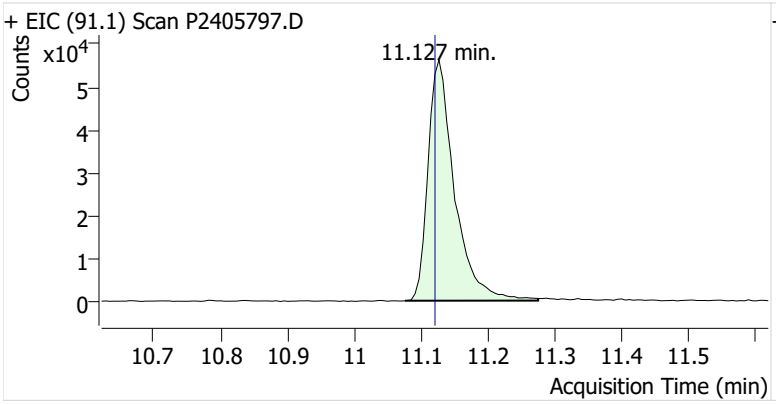


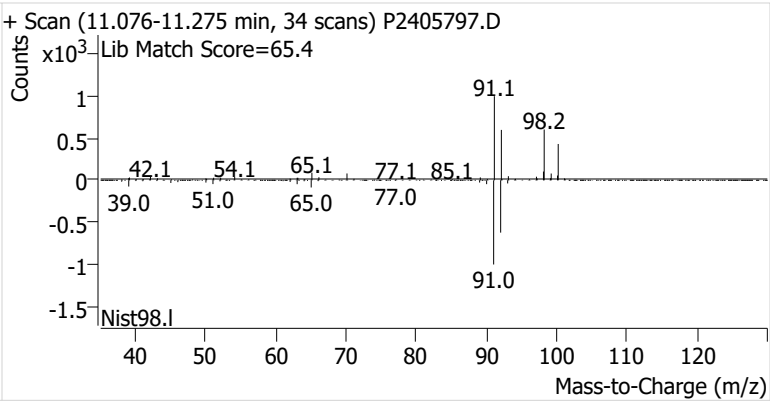
Toluene-d8 (IS)



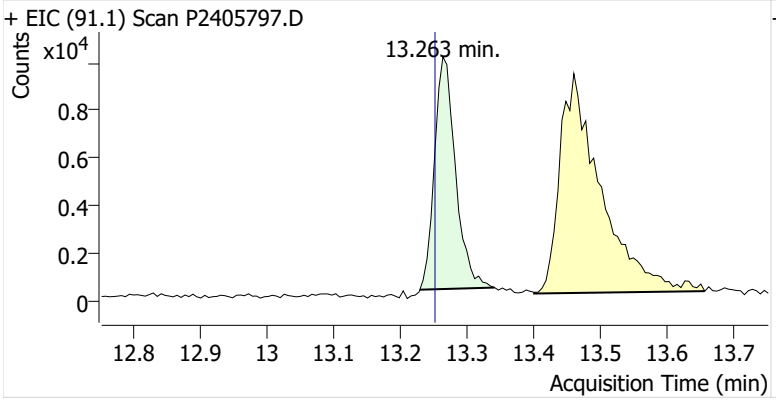


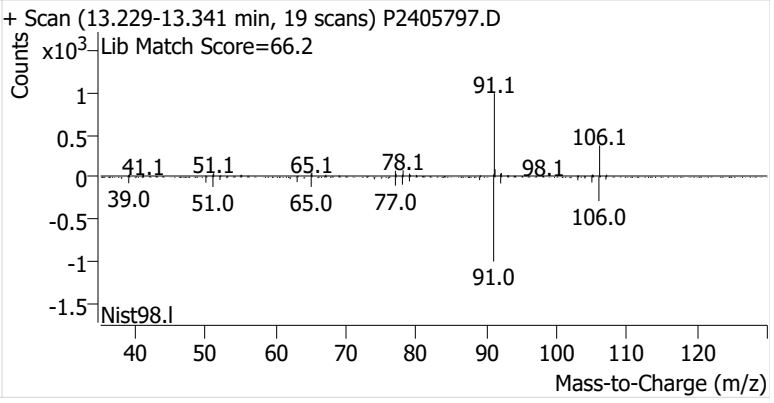
Toluene



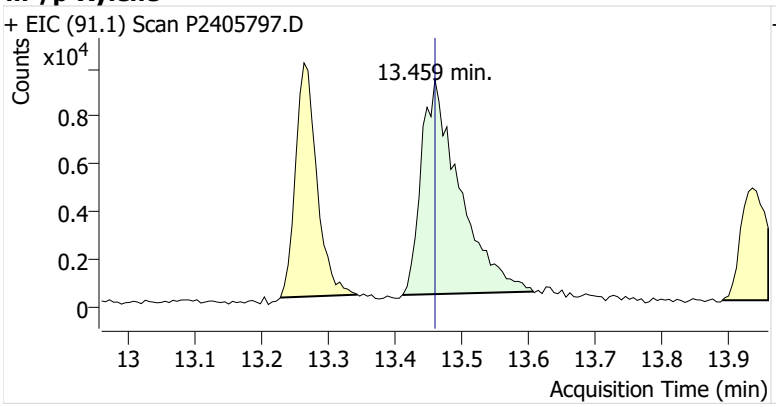


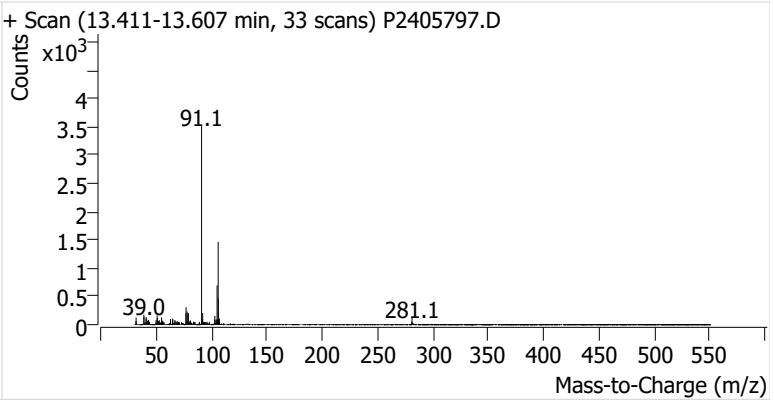
Ethylbenzene



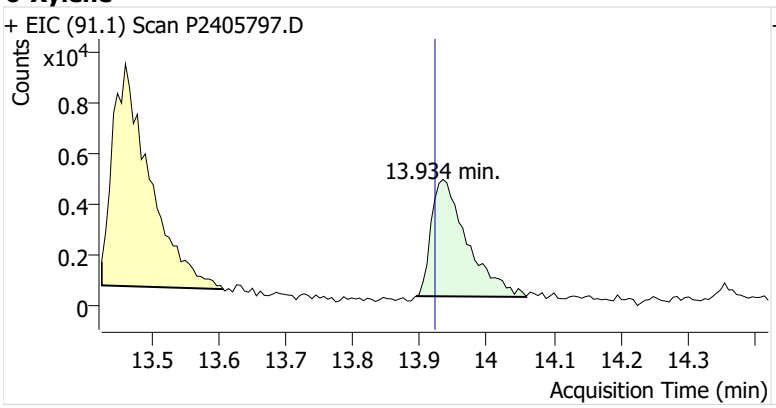


m-/p-Xylene





o-Xylene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13.6
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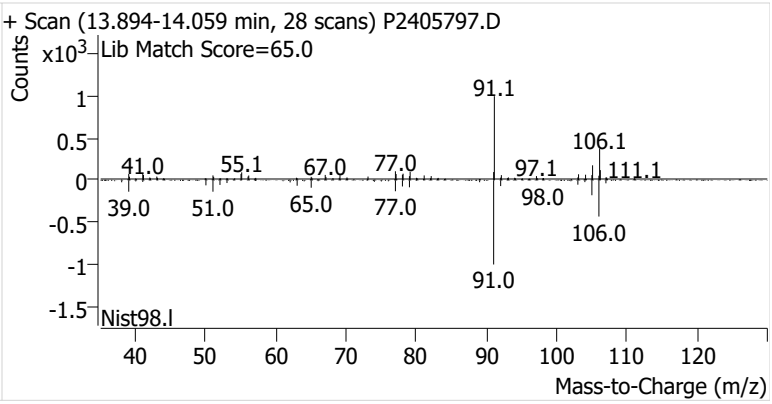
14.2
14.3
Acquisition Time (min)


+ Scan (13.894-14.059 min, 28 scans) P2405797.D
Lib Match Score=65.0
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91.1
106.1
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106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.948	0.979	0.948	-3.2%	0.12%		Pass	
2024GG401_Method Blank	Blank		0.979	0.948			-2.0%	Pass	J
M325B CCV 5	Check	0.904	0.979	0.948	-7.7%		-1.4%	Pass	
M325B CCV 5	Check	0.926	0.979	0.948	-5.4%		-0.73%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.925	0.951	0.925	-2.7%	3.4%		Pass	
2024GG401_Method Blank	Blank		0.951	0.925			-2.0%	Pass	ND
M325B CCV 5	Check	0.943	0.951	0.925	-0.81%		-7.4%	Pass	
M325B CCV 5	Check	0.949	0.951	0.925	-0.20%		-9.3%	Pass	

m-/p-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.690	0.677	0.690	1.9%	3.4%		Pass	
2024GG401_Method Blank	Blank		0.677	0.690			-2.0%	Pass	ND
M325B CCV 5	Check	0.643	0.677	0.690	-5.0%		-7.4%	Pass	
M325B CCV 5	Check	0.691	0.677	0.690	2.1%		-9.3%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.682	0.720	0.682	-5.3%	3.4%		Pass	
2024GG401_Method Blank	Blank		0.720	0.682			-2.0%	Pass	ND
M325B CCV 5	Check	0.718	0.720	0.682	-0.24%		-7.4%	Pass	
M325B CCV 5	Check	0.720	0.720	0.682	-0.082%		-9.3%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.870	0.898	0.870	-3.1%	3.4%		Pass	
2024GG401_Method Blank	Blank		0.898	0.870			-2.0%	Pass	ND
M325B CCV 5	Check	0.842	0.898	0.870	-6.3%		-7.4%	Pass	
M325B CCV 5	Check	0.875	0.898	0.870	-2.6%		-9.3%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	Benzene	1	P2404977.D	5.19	53200	91.7	825638	1.138	16%
P090624A BTEX.quantmethod.xml	Benzene	2	P2404978.D	10.38	91845	91.7	790527	1.026	4.8%
P090624A BTEX.quantmethod.xml	Benzene	3	P2404979.D	20.76	168704	91.7	766300	0.972	-0.72%
P090624A BTEX.quantmethod.xml	Benzene	4	P2404980.D	41.51	319641	91.7	739567	0.954	-2.5%
P090624A BTEX.quantmethod.xml	Benzene	5	P2404981.D	103.78	770808	91.7	741300	0.919	-6.2%
P090624A BTEX.quantmethod.xml	Benzene	6	P2404982.D	207.57	1506802	91.7	718096	0.927	-5.4%
P090624A BTEX.quantmethod.xml	Benzene	7	P2404983.D	622.70	4556203	91.7	729727	0.919	-6.1%
						Avg:	758736	0.979	
						%RSD:	5.0%	8.2%	
P090624A BTEX.quantmethod.xml	Ethylbenzene	1	P2404977.D	5.33	56151	108.1	1169254	0.974	2.4%
P090624A BTEX.quantmethod.xml	Ethylbenzene	2	P2404978.D	10.67	105621	108.1	1107038	0.967	1.7%
P090624A BTEX.quantmethod.xml	Ethylbenzene	3	P2404979.D	21.33	219430	108.1	1067634	1.042	9.6%
P090624A BTEX.quantmethod.xml	Ethylbenzene	4	P2404980.D	42.67	414505	108.1	1079066	0.973	2.4%
P090624A BTEX.quantmethod.xml	Ethylbenzene	5	P2404981.D	106.66	889663	108.1	1042115	0.865	-9.0%
P090624A BTEX.quantmethod.xml	Ethylbenzene	6	P2404982.D	213.33	1888178	108.1	1053728	0.908	-4.5%
P090624A BTEX.quantmethod.xml	Ethylbenzene	7	P2404983.D	639.99	5839841	108.1	1066774	0.925	-2.7%
						Avg:	1083659	0.951	
						%RSD:	4.0%	6.0%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	m-/p-Xylene	1	P2404977.D	5.37	41219	108.1	1169254	0.710	4.9%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	2	P2404978.D	10.74	70608	108.1	1107038	0.642	-5.1%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	3	P2404979.D	21.47	173334	108.1	1067634	0.817	21%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	4	P2404980.D	42.95	287337	108.1	1079066	0.670	-0.95%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	5	P2404981.D	107.36	601872	108.1	1042115	0.582	-14%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	6	P2404982.D	214.73	1307488	108.1	1053728	0.625	-7.7%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	7	P2404983.D	644.18	4394447	108.1	1066774	0.691	2.1%
						Avg:	1083659	0.677	
						%RSD:	4.0%	11%	
P090624A BTEX.quantmethod.xml	o-Xylene	1	P2404977.D	5.40	44196	108.1	1169254	0.757	5.1%
P090624A BTEX.quantmethod.xml	o-Xylene	2	P2404978.D	10.80	82293	108.1	1107038	0.745	3.4%
P090624A BTEX.quantmethod.xml	o-Xylene	3	P2404979.D	21.59	162748	108.1	1067634	0.763	6.0%
P090624A BTEX.quantmethod.xml	o-Xylene	4	P2404980.D	43.18	323877	108.1	1079066	0.752	4.4%
P090624A BTEX.quantmethod.xml	o-Xylene	5	P2404981.D	107.95	690821	108.1	1042115	0.664	-7.8%
P090624A BTEX.quantmethod.xml	o-Xylene	6	P2404982.D	215.90	1404667	108.1	1053728	0.668	-7.3%
P090624A BTEX.quantmethod.xml	o-Xylene	7	P2404983.D	647.71	4429477	108.1	1066774	0.693	-3.8%
						Avg:	1083659	0.720	
						%RSD:	4.0%	6.1%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG401-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	Toluene	1	P2404977.D	5.39	60242	108.1	1169254	1.034	15%
P090624A BTEX.quantmethod.xml	Toluene	2	P2404978.D	10.78	103782	108.1	1107038	0.940	4.7%
P090624A BTEX.quantmethod.xml	Toluene	3	P2404979.D	21.56	201417	108.1	1067634	0.946	5.3%
P090624A BTEX.quantmethod.xml	Toluene	4	P2404980.D	43.11	378117	108.1	1079066	0.879	-2.2%
P090624A BTEX.quantmethod.xml	Toluene	5	P2404981.D	107.78	866654	108.1	1042115	0.834	-7.1%
P090624A BTEX.quantmethod.xml	Toluene	6	P2404982.D	215.56	1738243	108.1	1053728	0.827	-7.9%
P090624A BTEX.quantmethod.xml	Toluene	7	P2404983.D	646.68	5279870	108.1	1066774	0.828	-7.9%
						Avg:	1083659	0.898	
						%RSD:	4.0%	8.7%	
P090624A BTEX.quantmethod.xml	Benzene	ICV	P2404984.D	63.61	412010	91.7	731399	0.812	-17%
P090624A BTEX.quantmethod.xml	Ethylbenzene	ICV	P2404984.D	85.41	703130	108.1	1042671	0.854	-10%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	ICV	P2404984.D	88.90	563818	108.1	1042671	0.658	-2.8%
P090624A BTEX.quantmethod.xml	o-Xylene	ICV	P2404984.D	87.50	558957	108.1	1042671	0.662	-8%
P090624A BTEX.quantmethod.xml	Toluene	ICV	P2404984.D	75.87	552004	108.1	1042671	0.754	-16%

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ENTHALPY ANALYTICAL

Irving Oil – Searsport

52 Station Ave
Searsport, ME 04974

Sampling Event 3
PROJ-027957

Analytical Report
(2024GG402)

EPA Method 325B
Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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Report Issued: 10/30/2024

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylene (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
IRVSEA-1-S-20241003	B15504	0.536	P		ND	0.430	J		ND	0.892	B
IRVSEA-2-S-20241003	C43289	0.658	P		ND	0.788			ND	1.40	B
IRVSEA-2-D-20241003	B49755	1.60	P		ND	0.649			ND	1.44	B
IRVSEA-2-B-20241003	B50633		ND,P		ND		ND		ND		ND
IRVSEA-3-S-20241003	C24126	0.785	P	0.354	J	1.39		0.478	J	2.14	B
IRVSEA-4-S-20241003	C01929	1.18	P	0.535	J	1.70		0.672		3.09	
IRVSEA-5-S-20241003	C43207	1.12	P	0.652		2.47		0.916		3.43	
IRVSEA-6-S-20241003	B15717	1.35	P	0.884		2.33		0.815		4.12	
IRVSEA-7-S-20241003	B20930	2.43	P	1.61		5.49		2.01		7.63	
IRVSEA-8-S-20241003	C43341	2.66	P	1.34		5.33		1.92		7.81	
IRVSEA-8-D-20241003	C43310	2.66	P	1.44		5.79		2.12		8.24	
IRVSEA-8-B-20241003	B44260	0.350	J,P		ND		ND		ND	0.920	
IRVSEA-9-S-20241003	B43644	1.20	P	0.499	J	1.75		0.652		2.90	
IRVSEA-10-S-20241003	B20105	1.47	P	0.807		2.59		0.953		4.10	
IRVSEA-11-S-20241003	C43364	1.38	P	0.715		2.84		1.01		3.78	
IRVSEA-12-S-20241003	B21063	1.10	P	0.504	J	1.50		0.532	J	2.77	
IRVSEA-13-S-20241003	B34900	0.736	P	0.366	J	1.05		0.329	J	1.66	B
IRVSEA-14-S-20241003	C33292	0.519	P	0.401	J	1.09		0.318	J	1.44	B
IRVSEA-15-S-20241003	C43375	0.358	J,P		ND	0.404	J		ND	0.536	B
IRVSEA-16-S-20241003	C00780	0.377	J,P		ND		ND		ND	0.435	J,B
IRVSEA-17-S-20241003	B18893	0.390	J,P		ND		ND		ND	0.512	J,B

B: Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte
J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241003	B15504	0.536	0.168	7.07	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-2-S-20241003	C43289	0.658	0.206	8.68	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-2-D-20241003	B49755	1.60	0.502	21.2	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-2-B-20241003	B50633				50.3	0.653	20,210	0.189	0.393	0.0593	0.123	ND,P
IRVSEA-3-S-20241003	C24126	0.785	0.246	10.4	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-4-S-20241003	C01929	1.18	0.371	15.6	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-5-S-20241003	C43207	1.12	0.351	14.8	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-6-S-20241003	B15717	1.35	0.422	17.8	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-7-S-20241003	B20930	2.43	0.761	32.1	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-8-S-20241003	C43341	2.66	0.834	35.2	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-8-D-20241003	C43310	2.66	0.833	35.1	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-8-B-20241003	B44260	0.350	0.110	4.62	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	J,P
IRVSEA-9-S-20241003	B43644	1.20	0.374	15.8	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-10-S-20241003	B20105	1.47	0.461	19.4	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-11-S-20241003	C43364	1.38	0.431	18.2	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-12-S-20241003	B21063	1.10	0.346	14.6	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-13-S-20241003	B34900	0.736	0.230	9.71	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-14-S-20241003	C33292	0.519	0.163	6.85	50.3	0.653	20,210	0.189	0.393	0.0593	0.123	P
IRVSEA-15-S-20241003	C43375	0.358	0.112	4.73	50.3	0.653	20,215	0.189	0.393	0.0593	0.123	J,P
IRVSEA-16-S-20241003	C00780	0.377	0.118	4.98	50.3	0.653	20,215	0.189	0.393	0.0593	0.123	J,P
IRVSEA-17-S-20241003	B18893	0.390	0.122	5.16	50.3	0.653	20,215	0.189	0.393	0.0593	0.123	J,P

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241003	B15504				50.3	0.448	20,210	0.276	0.588	0.0636	0.136	ND
IRVSEA-2-S-20241003	C43289				50.3	0.448	20,210	0.276	0.588	0.0636	0.136	ND
IRVSEA-2-D-20241003	B49755				50.3	0.448	20,210	0.276	0.588	0.0636	0.136	ND
IRVSEA-2-B-20241003	B50633				50.3	0.448	20,210	0.276	0.588	0.0636	0.136	ND
IRVSEA-3-S-20241003	C24126	0.354	0.0815	3.21	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	J
IRVSEA-4-S-20241003	C01929	0.535	0.123	4.85	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	J
IRVSEA-5-S-20241003	C43207	0.652	0.150	5.91	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	
IRVSEA-6-S-20241003	B15717	0.884	0.204	8.01	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	
IRVSEA-7-S-20241003	B20930	1.61	0.372	14.6	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	
IRVSEA-8-S-20241003	C43341	1.34	0.309	12.2	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	
IRVSEA-8-D-20241003	C43310	1.44	0.331	13.0	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	
IRVSEA-8-B-20241003	B44260				50.3	0.448	20,210	0.276	0.588	0.0636	0.136	ND
IRVSEA-9-S-20241003	B43644	0.499	0.115	4.52	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	J
IRVSEA-10-S-20241003	B20105	0.807	0.186	7.32	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	
IRVSEA-11-S-20241003	C43364	0.715	0.165	6.48	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	
IRVSEA-12-S-20241003	B21063	0.504	0.116	4.57	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	J
IRVSEA-13-S-20241003	B34900	0.366	0.0843	3.31	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	J
IRVSEA-14-S-20241003	C33292	0.401	0.0925	3.64	50.3	0.448	20,210	0.276	0.588	0.0636	0.136	J
IRVSEA-15-S-20241003	C43375				50.3	0.448	20,215	0.276	0.588	0.0636	0.136	ND
IRVSEA-16-S-20241003	C00780				50.3	0.448	20,215	0.276	0.588	0.0636	0.136	ND
IRVSEA-17-S-20241003	B18893				50.3	0.448	20,215	0.276	0.588	0.0636	0.136	ND

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

m-/p-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241003	B15504	0.430	0.0991	3.90	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	J
IRVSEA-2-S-20241003	C43289	0.788	0.182	7.14	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-2-D-20241003	B49755	0.649	0.150	5.89	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-2-B-20241003	B50633				50.3	0.448	20,210	0.276	0.592	0.0636	0.137	ND
IRVSEA-3-S-20241003	C24126	1.39	0.320	12.6	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-4-S-20241003	C01929	1.70	0.391	15.4	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-5-S-20241003	C43207	2.47	0.569	22.4	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-6-S-20241003	B15717	2.33	0.537	21.1	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-7-S-20241003	B20930	5.49	1.26	49.7	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-8-S-20241003	C43341	5.33	1.23	48.3	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-8-D-20241003	C43310	5.79	1.33	52.5	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-8-B-20241003	B44260				50.3	0.448	20,210	0.276	0.592	0.0636	0.137	ND
IRVSEA-9-S-20241003	B43644	1.75	0.404	15.9	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-10-S-20241003	B20105	2.59	0.597	23.5	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-11-S-20241003	C43364	2.84	0.654	25.7	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-12-S-20241003	B21063	1.50	0.346	13.6	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-13-S-20241003	B34900	1.05	0.243	9.54	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-14-S-20241003	C33292	1.09	0.252	9.90	50.3	0.448	20,210	0.276	0.592	0.0636	0.137	
IRVSEA-15-S-20241003	C43375	0.404	0.0930	3.66	50.3	0.448	20,215	0.276	0.592	0.0636	0.136	J
IRVSEA-16-S-20241003	C00780				50.3	0.448	20,215	0.276	0.592	0.0636	0.136	ND
IRVSEA-17-S-20241003	B18893				50.3	0.448	20,215	0.276	0.592	0.0636	0.136	ND

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241003	B15504				50.3	0.448	20,210	0.276	0.596	0.0636	0.137	ND
IRVSEA-2-S-20241003	C43289				50.3	0.448	20,210	0.276	0.596	0.0636	0.137	ND
IRVSEA-2-D-20241003	B49755				50.3	0.448	20,210	0.276	0.596	0.0636	0.137	ND
IRVSEA-2-B-20241003	B50633				50.3	0.448	20,210	0.276	0.596	0.0636	0.137	ND
IRVSEA-3-S-20241003	C24126	0.478	0.110	4.33	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	J
IRVSEA-4-S-20241003	C01929	0.672	0.155	6.09	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-5-S-20241003	C43207	0.916	0.211	8.30	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-6-S-20241003	B15717	0.815	0.188	7.39	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-7-S-20241003	B20930	2.01	0.463	18.2	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-8-S-20241003	C43341	1.92	0.444	17.4	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-8-D-20241003	C43310	2.12	0.488	19.2	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-8-B-20241003	B44260				50.3	0.448	20,210	0.276	0.596	0.0636	0.137	ND
IRVSEA-9-S-20241003	B43644	0.652	0.150	5.91	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-10-S-20241003	B20105	0.953	0.220	8.63	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-11-S-20241003	C43364	1.01	0.233	9.15	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	
IRVSEA-12-S-20241003	B21063	0.532	0.123	4.82	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	J
IRVSEA-13-S-20241003	B34900	0.329	0.0758	2.98	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	J
IRVSEA-14-S-20241003	C33292	0.318	0.0732	2.88	50.3	0.448	20,210	0.276	0.596	0.0636	0.137	J
IRVSEA-15-S-20241003	C43375				50.3	0.448	20,215	0.276	0.595	0.0636	0.137	ND
IRVSEA-16-S-20241003	C00780				50.3	0.448	20,215	0.276	0.595	0.0636	0.137	ND
IRVSEA-17-S-20241003	B18893				50.3	0.448	20,215	0.276	0.595	0.0636	0.137	ND

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241003	B15504	0.892	0.237	9.14	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	B
IRVSEA-2-S-20241003	C43289	1.40	0.372	14.4	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	B
IRVSEA-2-D-20241003	B49755	1.44	0.382	14.7	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	B
IRVSEA-2-B-20241003	B50633				50.3	0.507	20,210	0.244	0.526	0.0648	0.140	ND
IRVSEA-3-S-20241003	C24126	2.14	0.568	21.9	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	B
IRVSEA-4-S-20241003	C01929	3.09	0.821	31.7	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-5-S-20241003	C43207	3.43	0.910	35.1	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-6-S-20241003	B15717	4.12	1.09	42.2	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-7-S-20241003	B20930	7.63	2.03	78.2	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-8-S-20241003	C43341	7.81	2.07	80.0	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-8-D-20241003	C43310	8.24	2.19	84.4	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-8-B-20241003	B44260	0.920	0.244	9.42	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-9-S-20241003	B43644	2.90	0.769	29.7	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-10-S-20241003	B20105	4.10	1.09	42.0	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-11-S-20241003	C43364	3.78	1.00	38.8	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-12-S-20241003	B21063	2.77	0.736	28.4	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	
IRVSEA-13-S-20241003	B34900	1.66	0.440	17.0	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	B
IRVSEA-14-S-20241003	C33292	1.44	0.384	14.8	50.3	0.507	20,210	0.244	0.526	0.0648	0.140	B
IRVSEA-15-S-20241003	C43375	0.536	0.142	5.50	50.3	0.507	20,215	0.244	0.526	0.0648	0.140	B
IRVSEA-16-S-20241003	C00780	0.435	0.115	4.45	50.3	0.507	20,215	0.244	0.526	0.0648	0.140	J,B
IRVSEA-17-S-20241003	B18893	0.512	0.136	5.25	50.3	0.507	20,215	0.244	0.526	0.0648	0.140	J,B

B: Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte
J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
Blanks (ug/m³)	IRVSEA-2-B-20241003	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
	IRVSEA-8-B-20241003	0.350	Pass	ND	Pass	ND	Pass	ND	Pass	0.920	Fail
Duplicates (difference)	IRVSEA-2-D-20241003	84%	P		Pass	19%	Pass		Pass	2.5%	Pass
	IRVSEA-8-D-20241003	0.083%	Pass	6.7%	Pass	8.3%	Pass	9.5%	Pass	5.4%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	Irving Oil - Searsport
Project	PROJ-027957
Report #	2024GG402

Custody	Enthalpy Analytical, LLC received the sample tubes on 10/18/24. The samples were received in good condition at a temperature of 16.0 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. The primary sample IRVSEA-2-S-20241003 (tube ID C43289) and its corresponding duplicate IRVSEA-2-D-20241003 (tube ID B49755) failed to meet the 30% difference criteria specified by the method for benzene. All samples in the data set have been flagged "P" for benzene only to denote this failure. Toluene was detected in field blank IRVSEA-8-B-20241003 (tube ID B44260) at a concentration greater than one-third of the concentration of several samples. The affected samples have been flagged "B" for toluene only and should be considered estimated due to a possible high bias contributed by background levels. The source of the low-level contamination is not known, but could be the result of artifacts on the tube, media/sample handling, analytical bias, or a combination thereof.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged.

Enthalpy Analytical Narrative Summary
(continued)

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROS - 027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haig.brochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	B15504	S	10/3/24	9:45	10/17/24	10:35	HFB / HFB		
2	C43289	S	10/3/24	9:50	10/17/24	10:40	HFB / HFB		
2	B49755	D	10/3/24	9:50	10/17/24	10:40	HFB / HFB		
2	B50633	B	10/3/24	9:50	10/17/24	10:40	HFB / HFB		
3	C24126	S	10/3/24	10:00	10/17/24	10:50	HFB / HFB		
4	C01929	S	10/3/24	10:05	10/17/24	10:55	HFB / HFB		
5	C43207	S	10/3/24	10:10	10/17/24	11:00	HFB / HFB		
6	B15717	S	10/3/24	10:15	10/17/24	11:05	HFB / HFB		

Relinquished By (printed):	**Relinquished By (signature):**	**Relinquished Date:**	**Relinquished Time:**
Haig Brochu		10/17/2024	15:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Kimberly Sheridan	Kimberly Sheridan	10/18/24	09:15

Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
Good		Y	
Ice Temp: / **Blank Temp:** 16.0 / FLUKE#7A		**Add Custody Seal # below:** 24A00651	

Comments:

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EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROS-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	B20930	S	10/3/24	10:20	10/17/24	11:10	HFB / HFB		
8	C43341	S	10/3/24	10:25	10/17/24	11:15	HFB / HFB		
8	C43310	D	10/3/24	10:25	10/17/24	11:15	HFB / HFB		
8	B44260	B	10/3/24	10:25	10/17/24	11:15	HFB / HFB		
9	B43644	S	10/3/24	10:30	10/17/24	11:20	HFB / HFB		
10	B20105	S	10/3/24	10:35	10/17/24	11:25	HFB / HFB		
11	C43364	S	10/3/24	10:40	10/17/24	11:30	HFB / HFB		
12	B21063	S	10/3/24	10:45	10/17/24	11:35	HFB / HFB		

Relinquished By (printed):	**Relinquished By (signature):**	**Relinquished Date:**	**Relinquished Time:**
Haig Brochu		10/17/2024	15:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Kimberly Sheridan	Kimberly Sheridan	10/18/24	09:15

Sample Condition Upon Receipt:			**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
Good				Y	
Ice Temp:	**Blank Temp:**			**Add Custody Seal # below:**	
	16.0	FLUKE#7M		24A 00651	

Comments:

ENTHALPY ANALYTICAL

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose Air
Site Address:	52 Station Ave	**Project Number:**	PROJ-027957
City:	Searsport	**Project Manager:**	Haig Brown
State	Maine	**Email Address:**	haigbrown@montrose-env.com
Zip:	04974	**Telephone #:**	207-441-0025

PO#:									
Sample Event #									
Sorbent:									

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	B34900	S	10/3/24	10:50	10/17/24	11:40	HFB / HFB		
14	C33292	S	10/3/24	10:55	10/17/24	11:45	HFB / HFB		
15	C43375	S	10/3/24	11:15	10/17/24	12:10	HFB / HFB		
16	C00780	S	10/3/24	11:20	10/17/24	12:15	HFB / HFB		
17	B18893	S	10/3/24	11:25	10/17/24	12:20	HFB / HFB		
							/		
							/		
							/		

Relinquished By (printed):	**Relinquished By (signature):**	**Relinquished Date:**	**Relinquished Time:**
Haig Brown		10/17/2024	15:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Kimberly Sheridan	Kimberly Sheridan	10/18/24	09:15
Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
VTSR 10/18/24 Good		Y	
Ice Temp: X / **Blank Temp:** 16.0 / FLUKE #7A		**Add Custody Seal # below:** 24A00651	

Comments:

Sample Chromatograms

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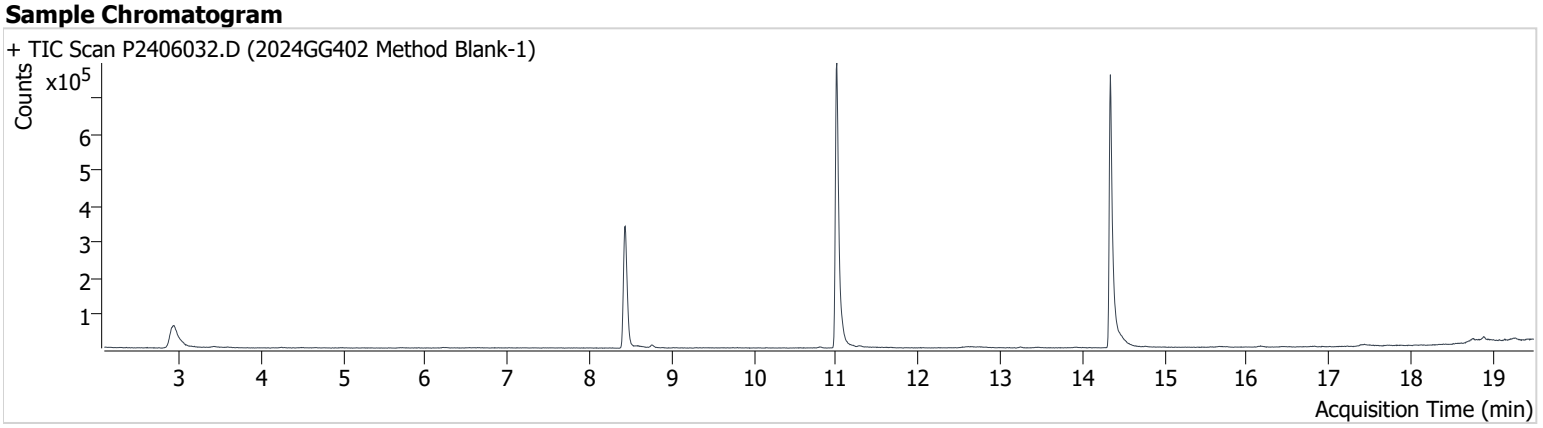
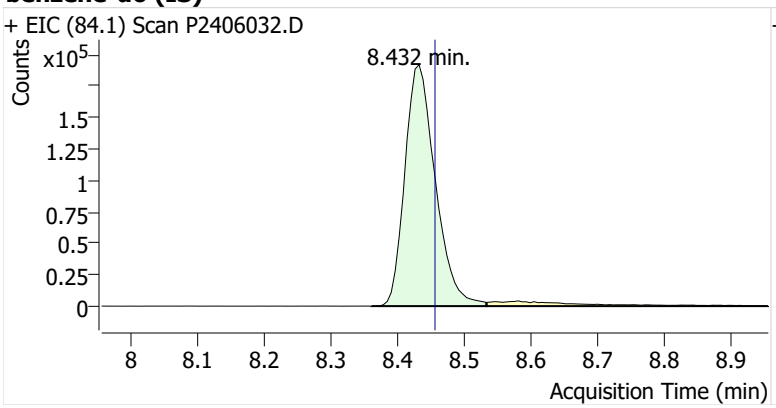
Name	2024GG402 Method Blank-1
Comment	C43380
Data File	P2406032.D
Acq. Date-Time	10/18/2024 4:22:50 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

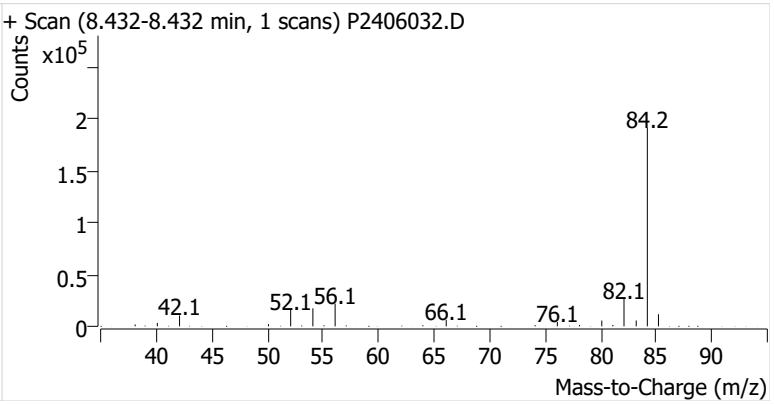
Sample Chromatogram



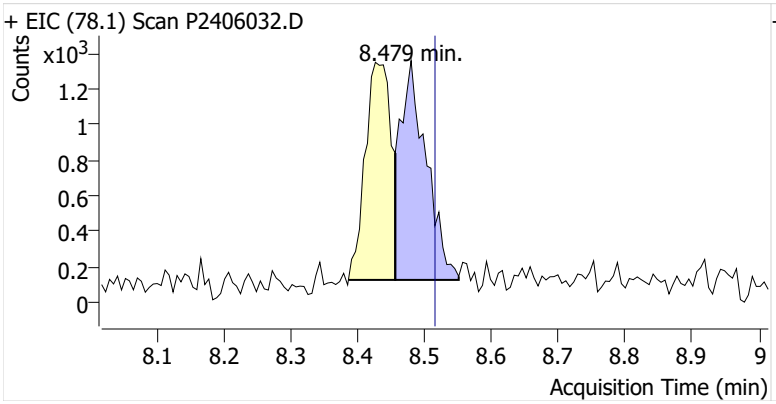
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.456	607,587	
Benzene	benzene-d6 (IS)	8.479	8.515	3,362	
Toluene-d8 (IS)		11.008	11.032	945,654	
Toluene	Toluene-d8 (IS)	11.097	11.121	5,482	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.252	2,997	
m-/p-Xylene	Toluene-d8 (IS)	13.459	13.459	3,285	
o-Xylene	Toluene-d8 (IS)	13.940	13.922	2,232	

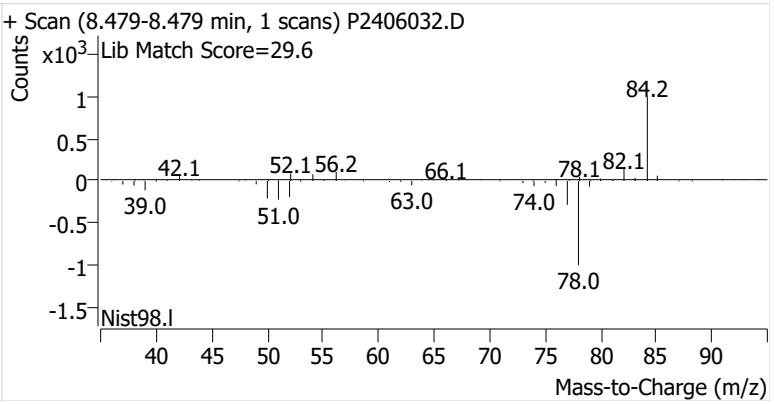
benzene-d6 (IS)



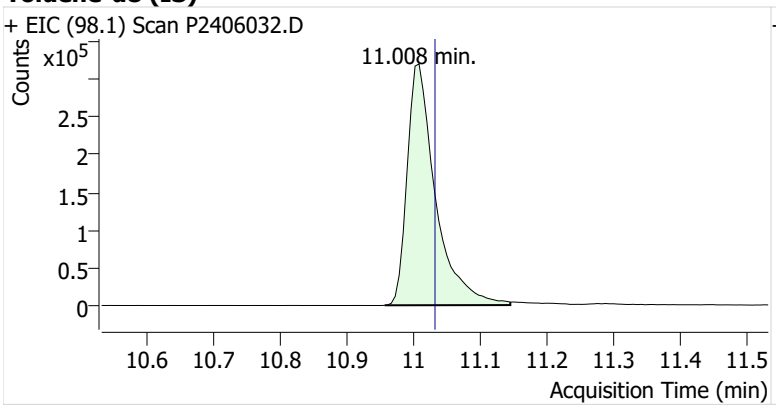


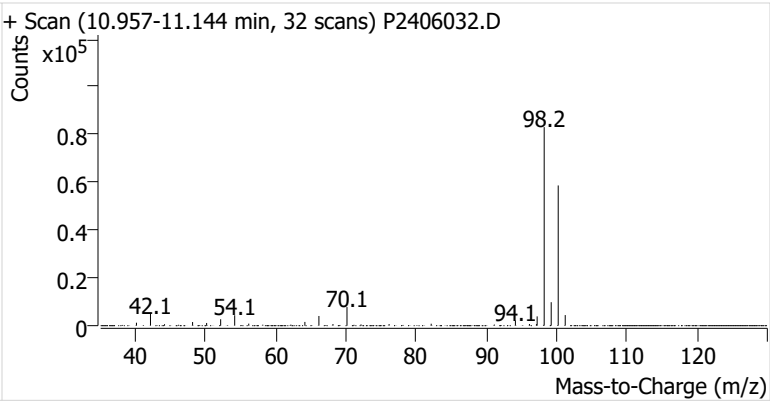
Benzene



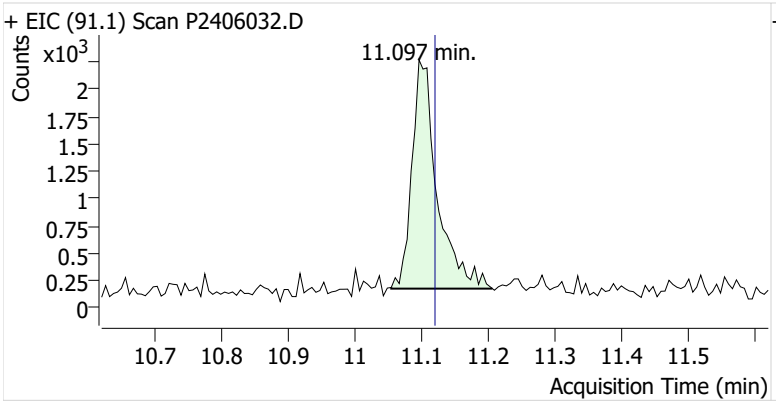


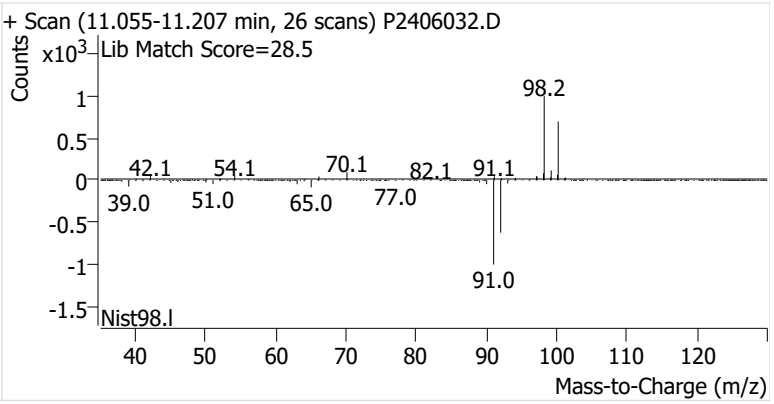
Toluene-d8 (IS)



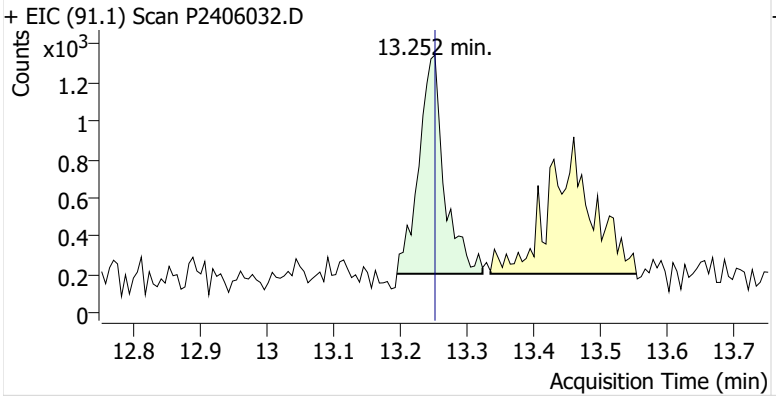


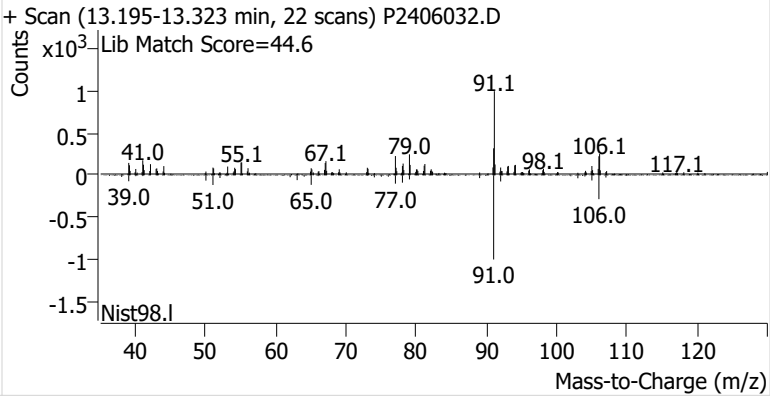
Toluene



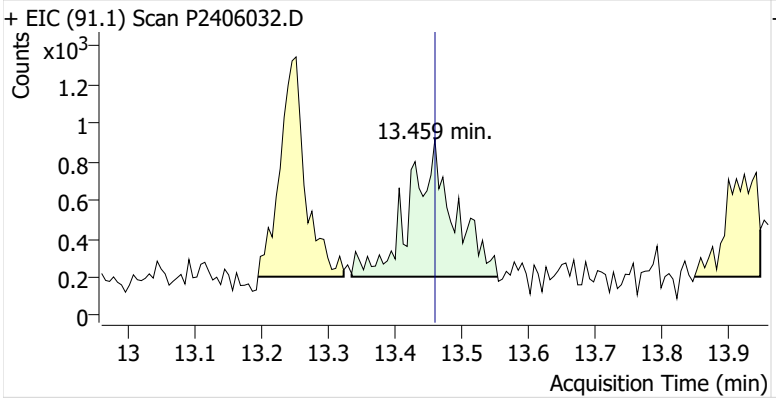


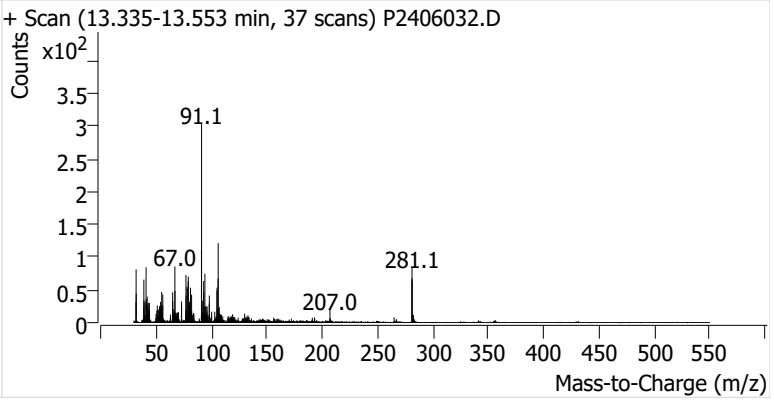
Ethylbenzene



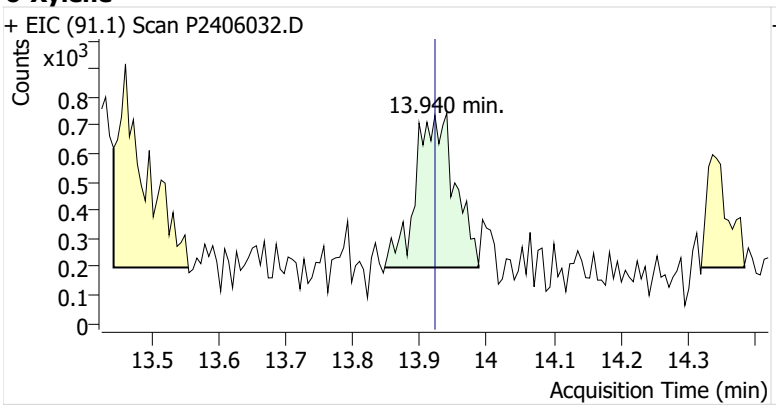


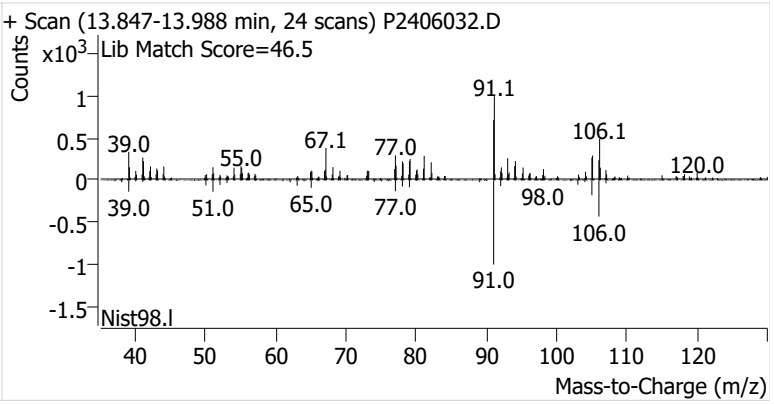
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2406032.D
Counts
x10^3
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
13.940 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.847-13.988 min, 24 scans) P2406032.D
Lib Match Score=46.5
Counts
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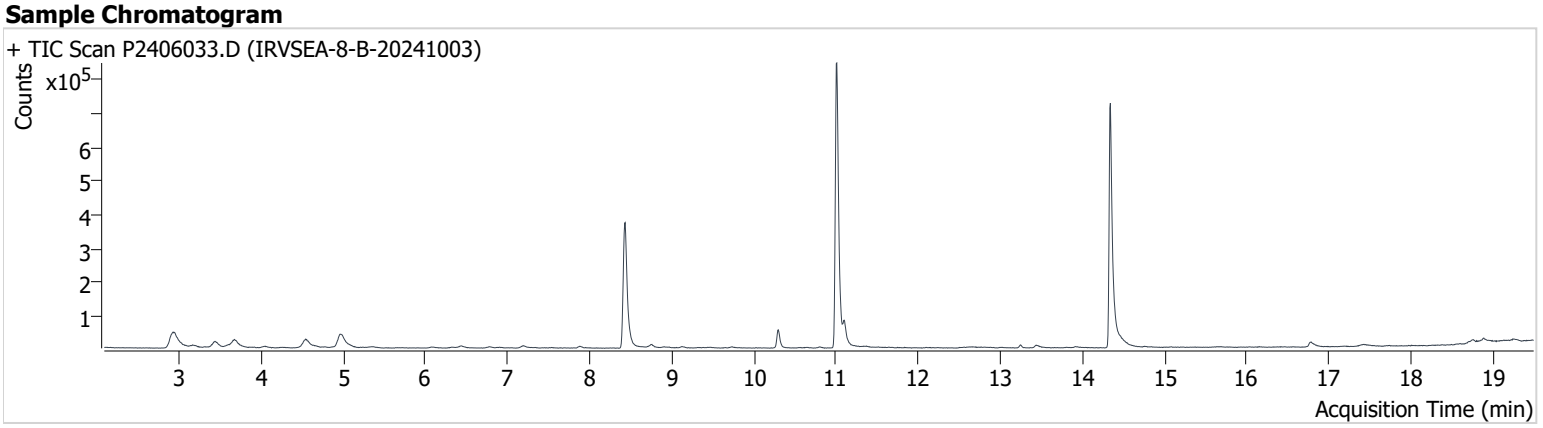
0
-0.5
-1
-1.5
91.1
106.1
39.0
55.0
67.1
77.0
120.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

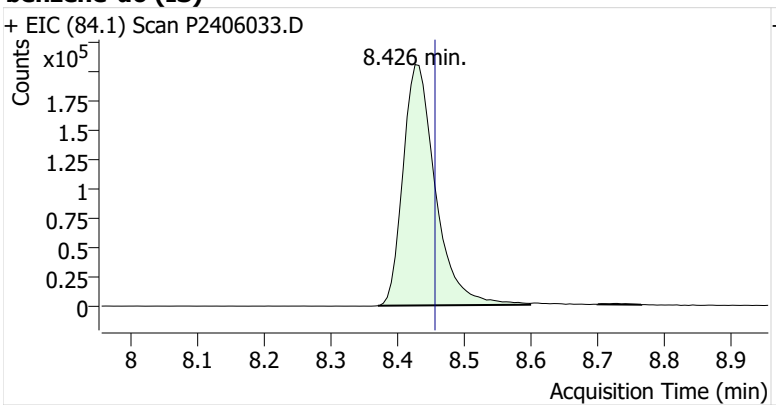
Name	IRVSEA-8-B-20241003
Comment	B44260
Data File	P2406033.D
Acq. Date-Time	10/18/2024 5:00:08 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

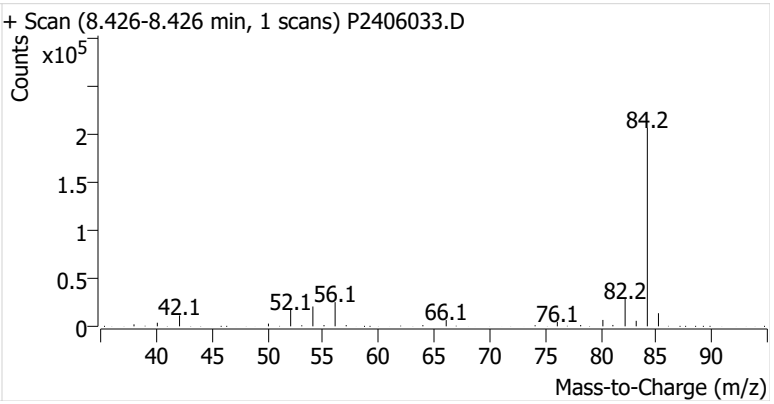
Sample Chromatogram



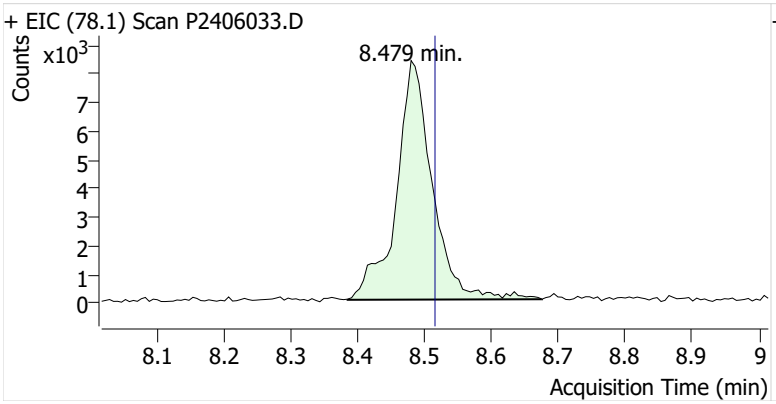
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	694,811	
Benzene	benzene-d6 (IS)	8.479	8.515	31,355	
Toluene-d8 (IS)		11.002	11.032	1,000,845	
Toluene	Toluene-d8 (IS)	11.103	11.121	73,957	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.252	8,193	
m-/p-Xylene	Toluene-d8 (IS)	13.435	13.459	10,681	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	4,434	

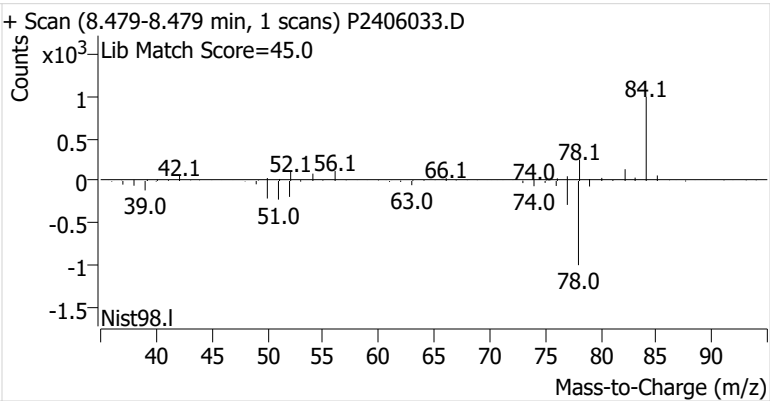
benzene-d6 (IS)



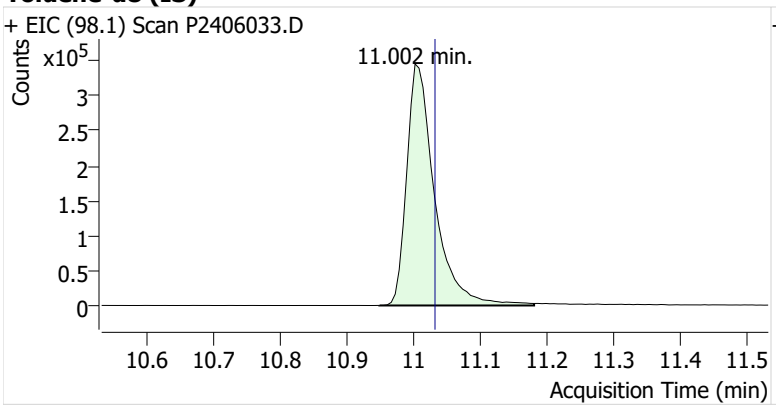


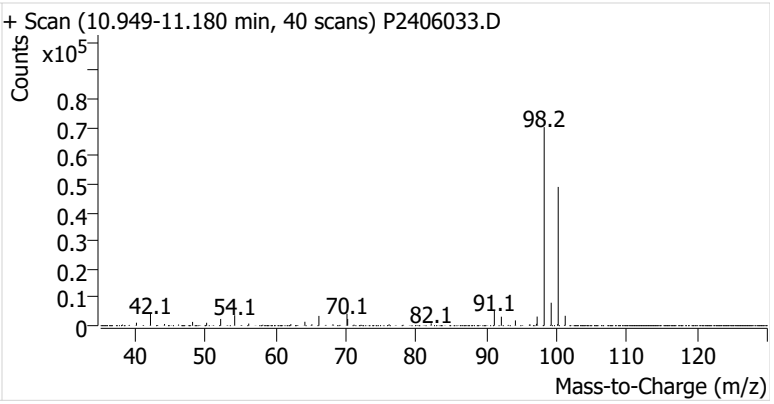
Benzene



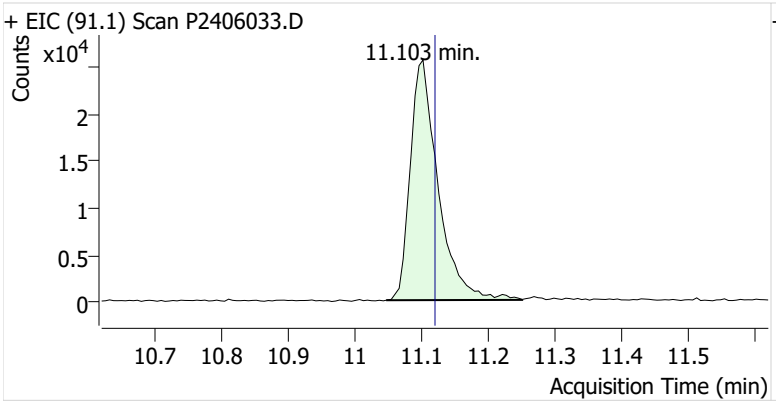


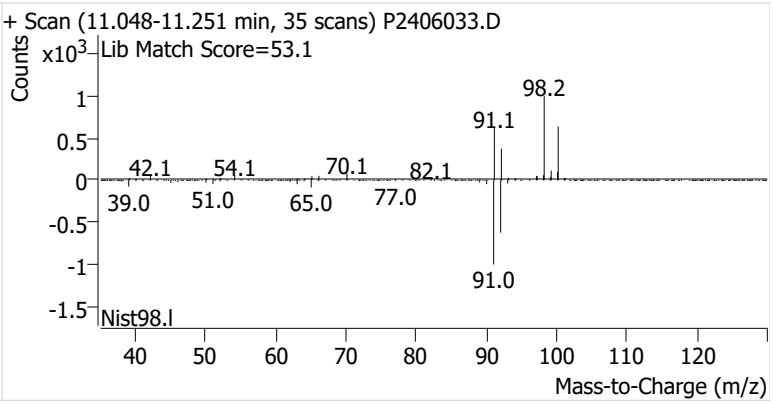
Toluene-d8 (IS)



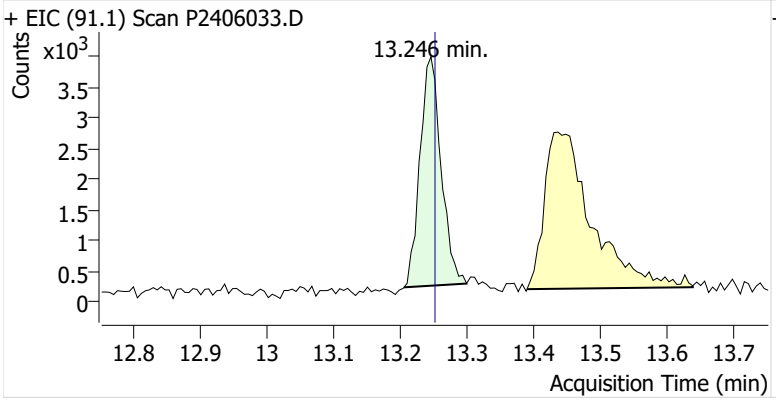


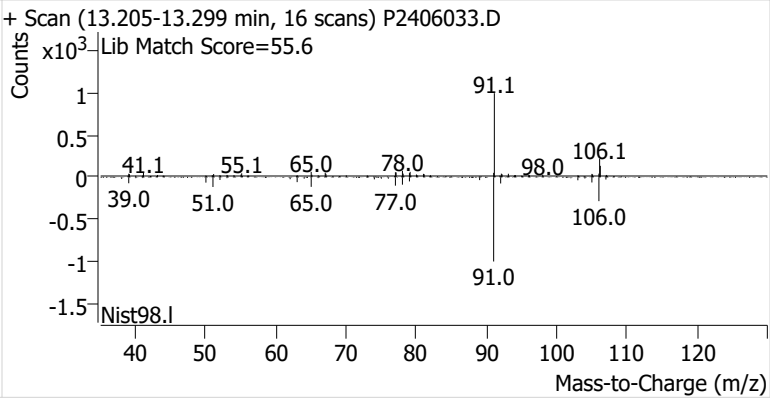
Toluene



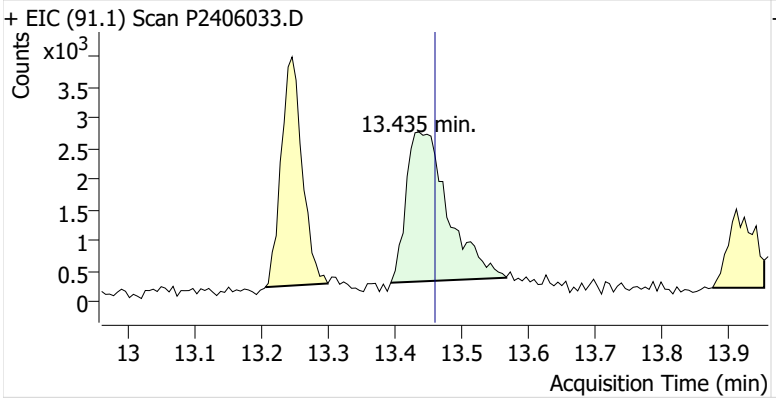


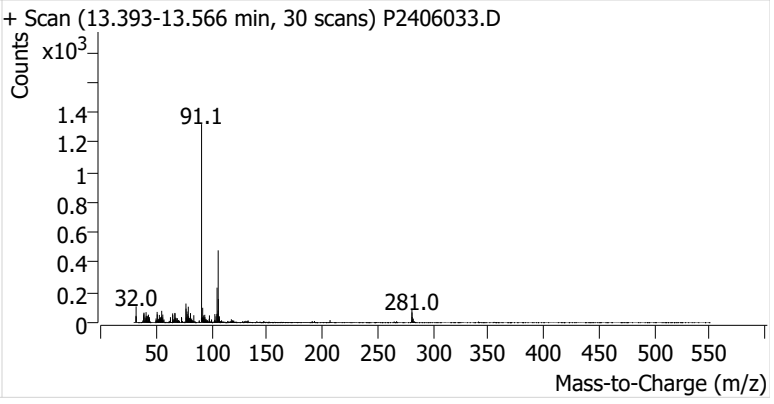
Ethylbenzene



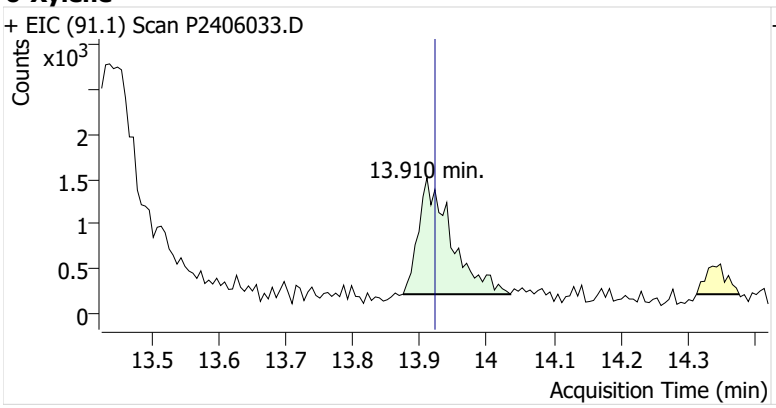


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2406033.D
Counts
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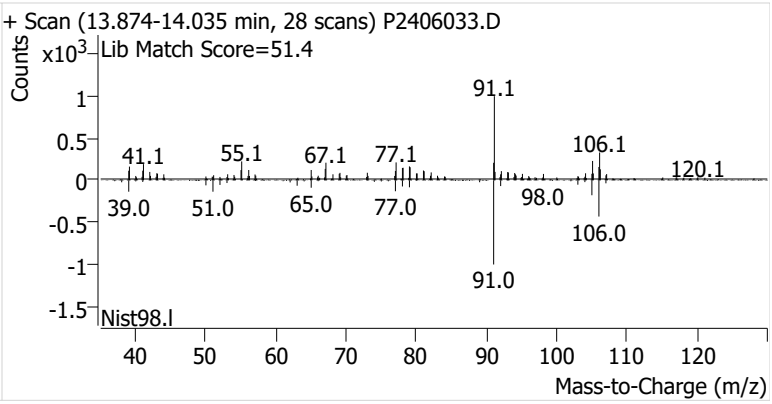
2
1.5
1
0.5
0
13.910 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.874-14.035 min, 28 scans) P2406033.D
Lib Match Score=51.4
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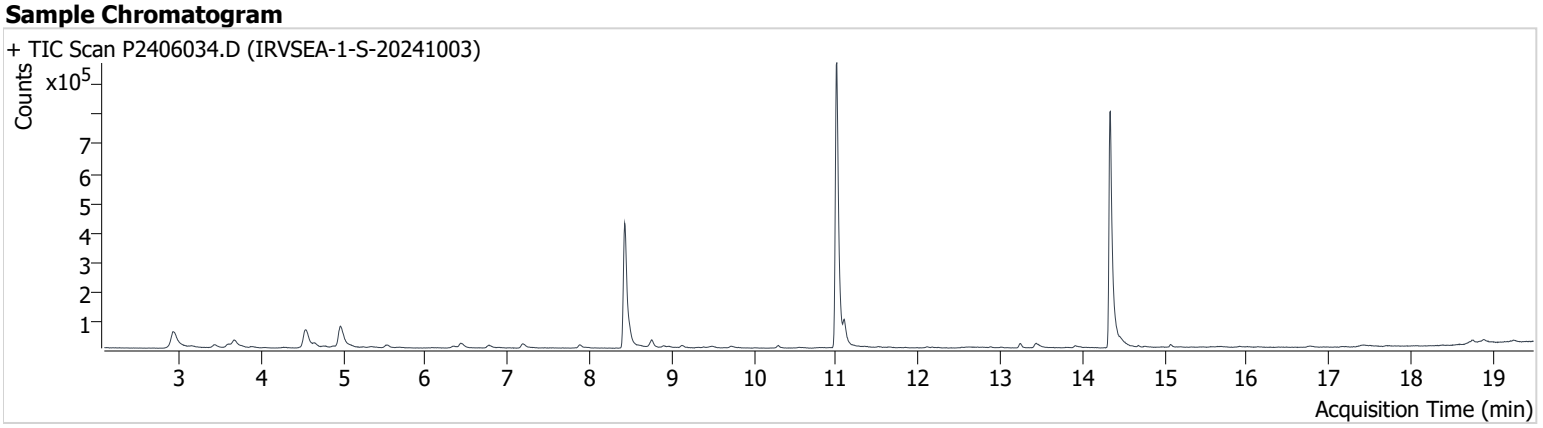
0
-0.5
-1
-1.5
91.1
41.1
55.1
67.1
77.1
106.1
120.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

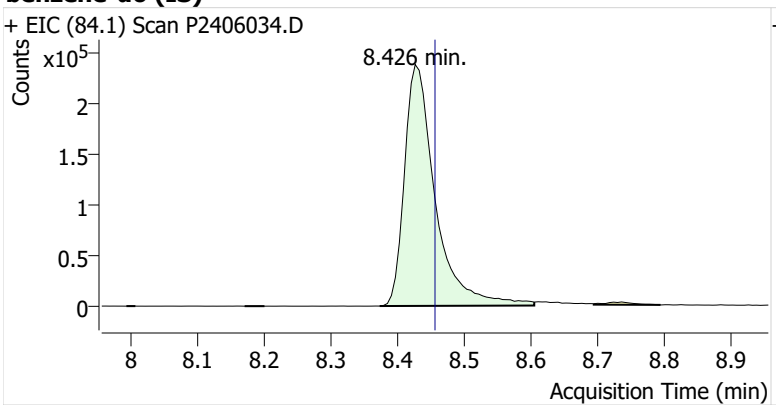
Name	IRVSEA-1-S-20241003
Comment	B15504
Data File	P2406034.D
Acq. Date-Time	10/18/2024 5:37:26 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

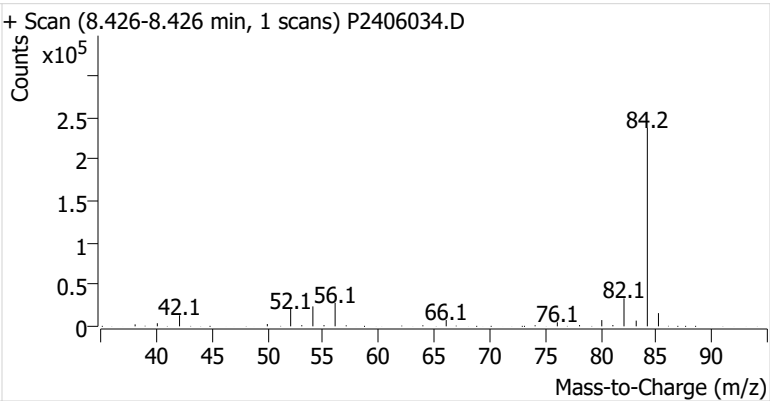
Sample Chromatogram



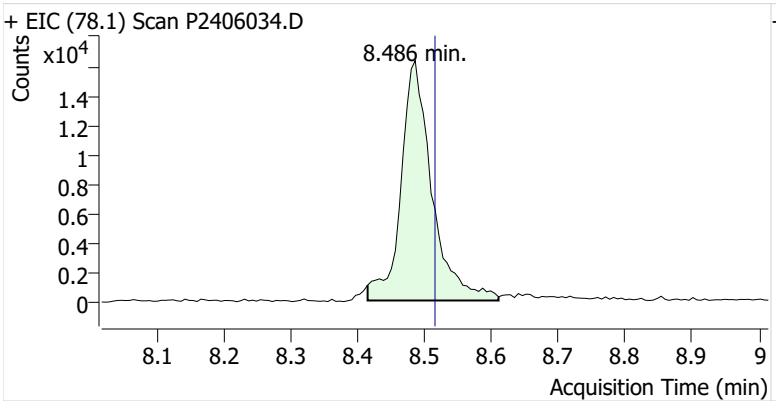
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	760,639	
Benzene	benzene-d6 (IS)	8.486	8.515	52,593	
Toluene-d8 (IS)		11.002	11.032	1,130,091	
Toluene	Toluene-d8 (IS)	11.103	11.121	81,028	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.252	17,423	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.459	27,399	
o-Xylene	Toluene-d8 (IS)	13.917	13.922	10,582	

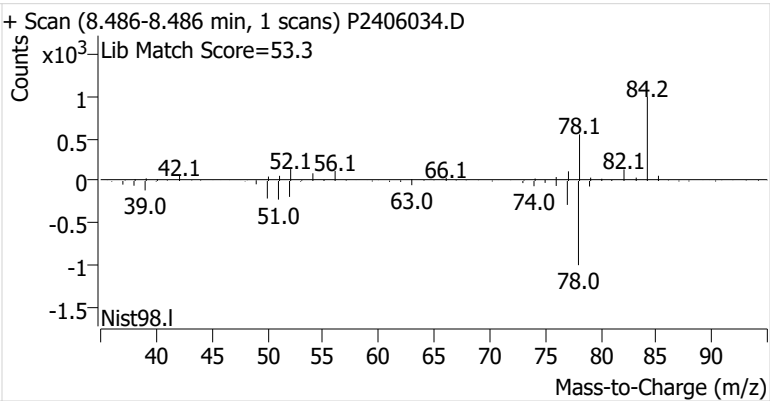
benzene-d6 (IS)



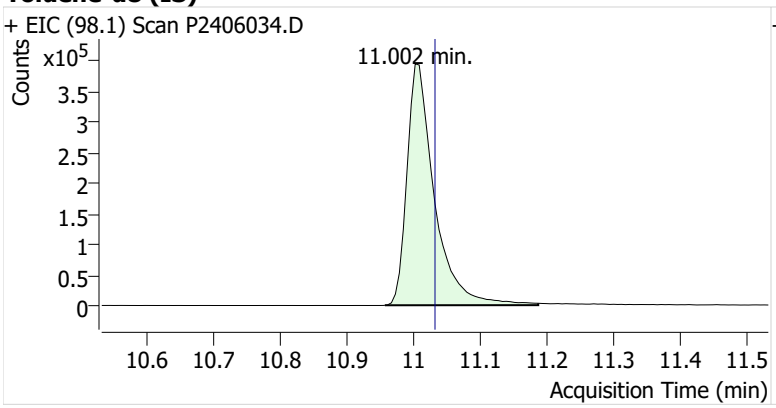


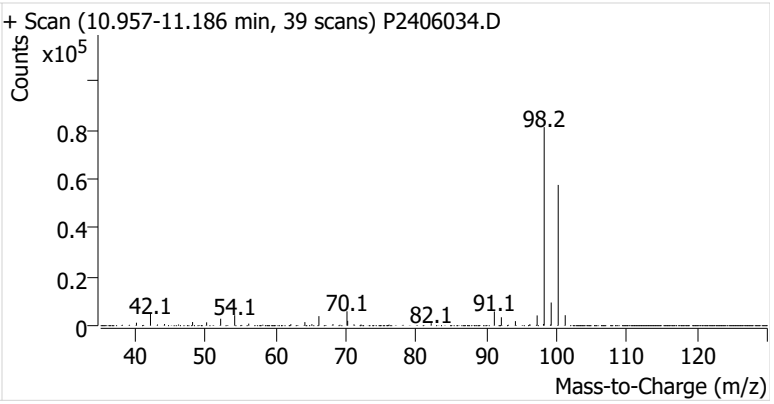
Benzene



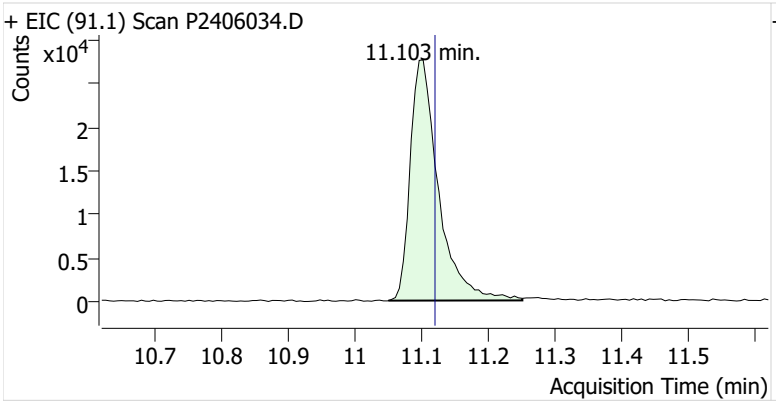


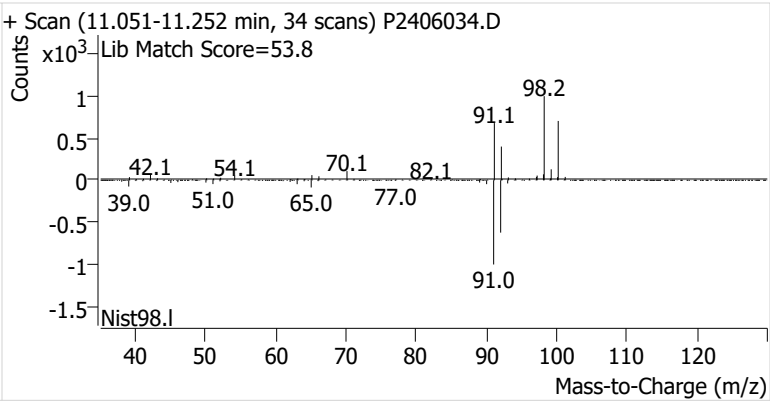
Toluene-d8 (IS)



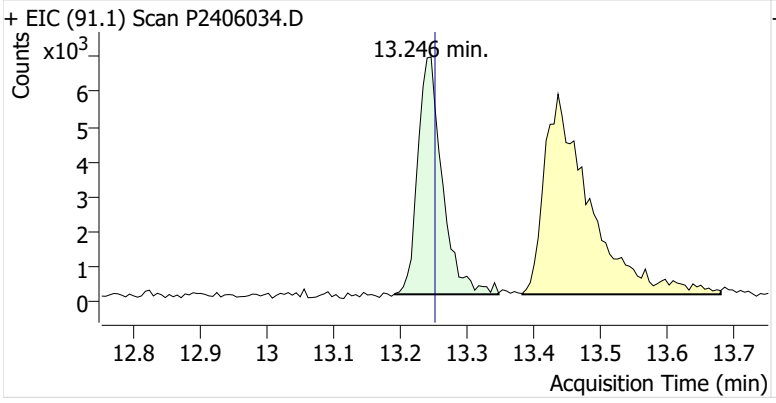


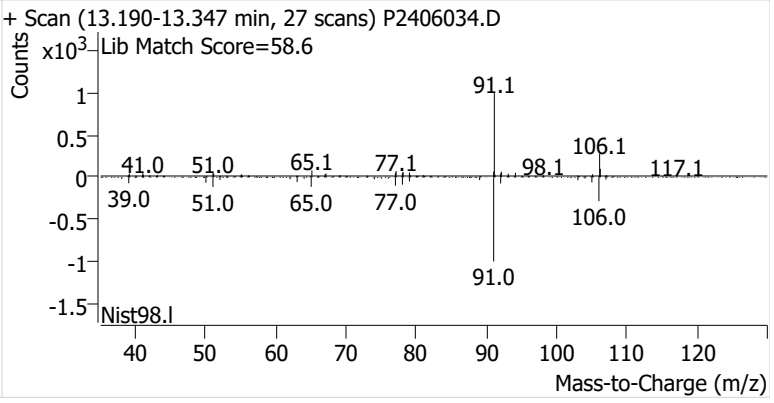
Toluene



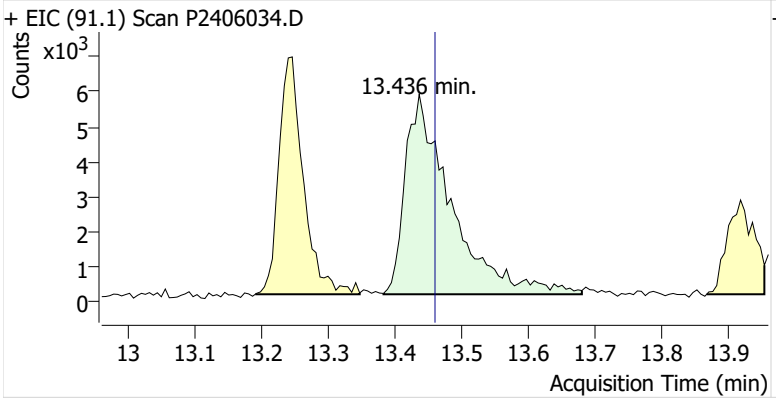


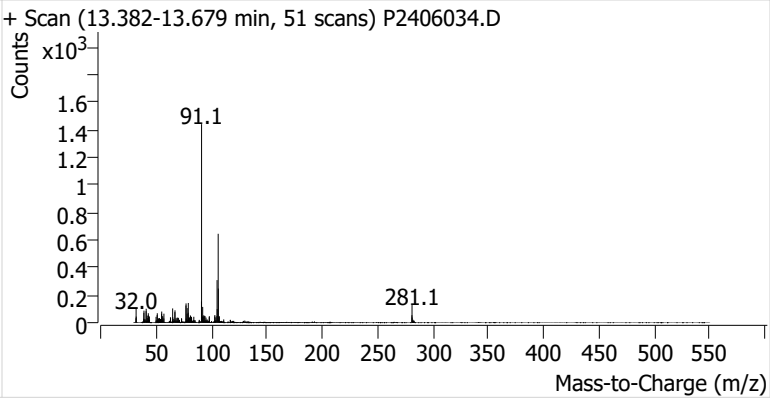
Ethylbenzene



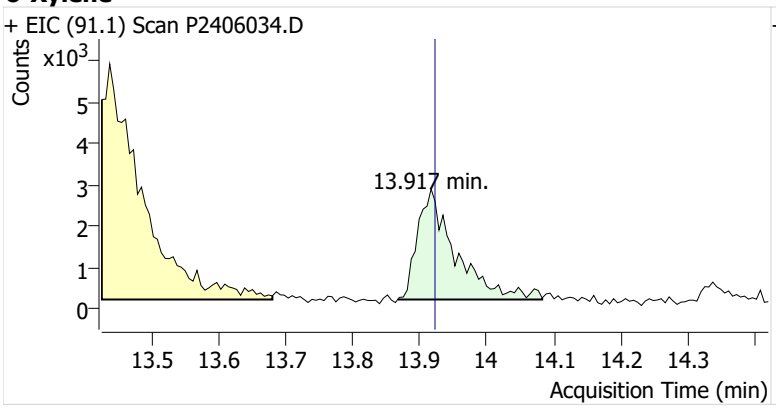


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2406034.D
Counts
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4
3
2
1
0
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13.5
13.6
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13.8
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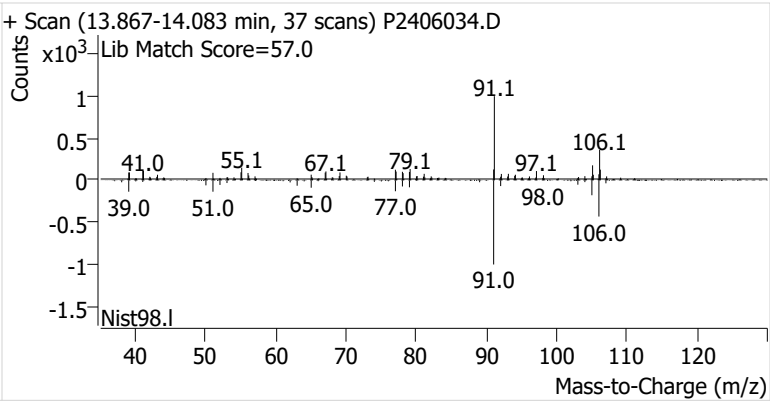
14
14.1
14.2
14.3
Acquisition Time (min)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Counts
x10^3
Lib Match Score=57.0
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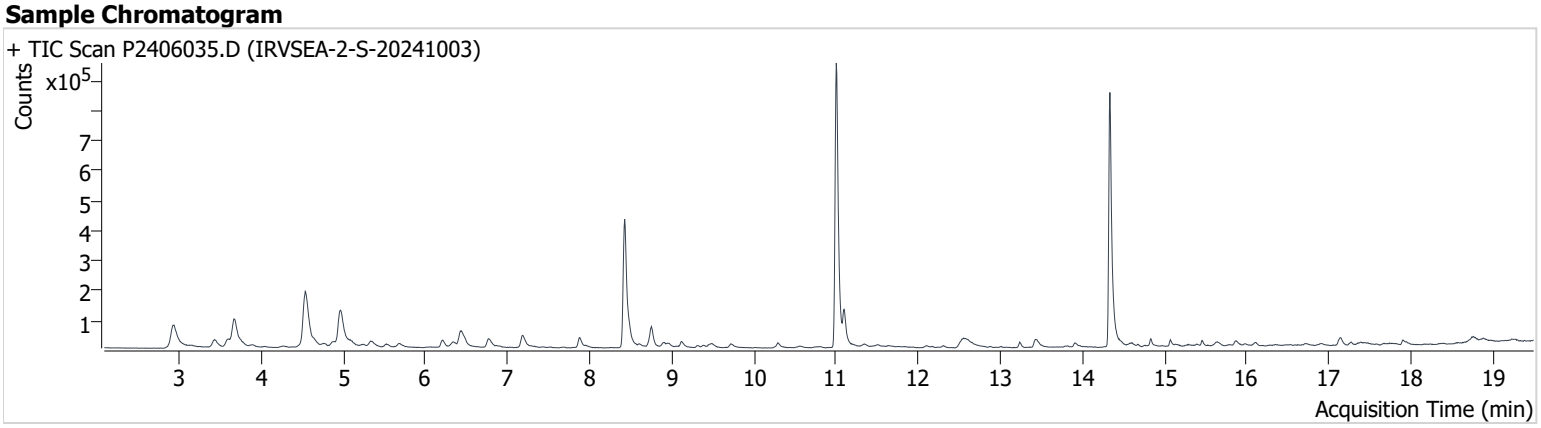
0
-0.5
-1
-1.5
91.1
106.1
41.0
55.1
67.1
79.1
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

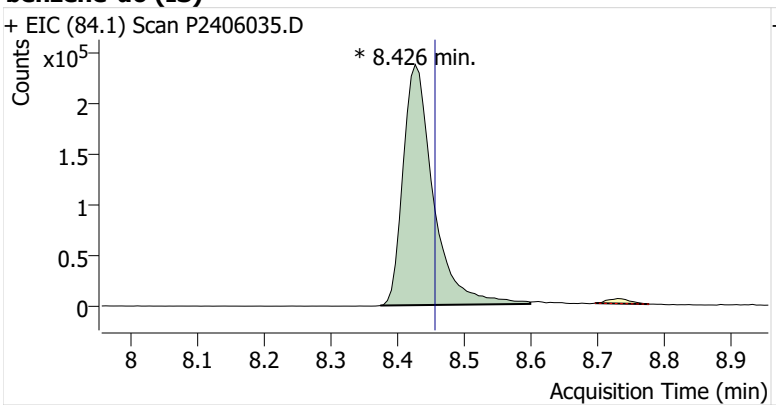
Name	IRVSEA-2-S-20241003
Comment	C43289
Data File	P2406035.D
Acq. Date-Time	10/18/2024 6:14:47 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

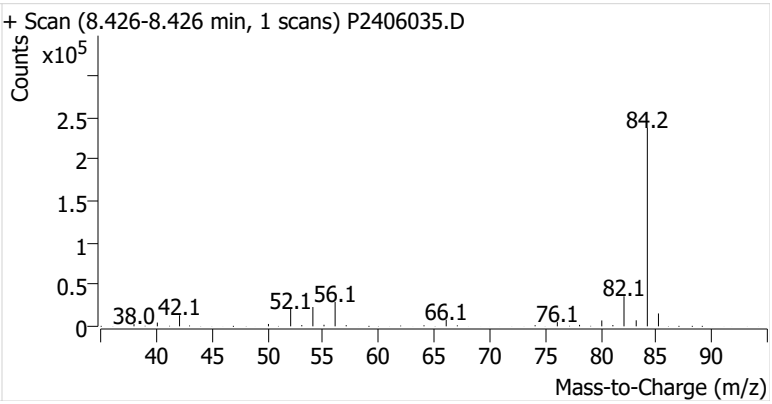
Sample Chromatogram



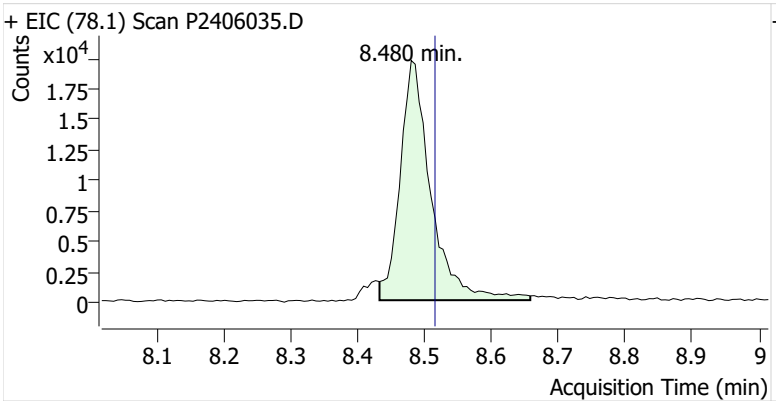
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	745,705	m
Benzene	benzene-d6 (IS)	8.480	8.515	63,281	
Toluene-d8 (IS)		11.002	11.032	1,092,113	
Toluene	Toluene-d8 (IS)	11.097	11.121	122,999	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	18,819	
m-/p-Xylene	Toluene-d8 (IS)	13.430	13.459	48,496	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	18,540	

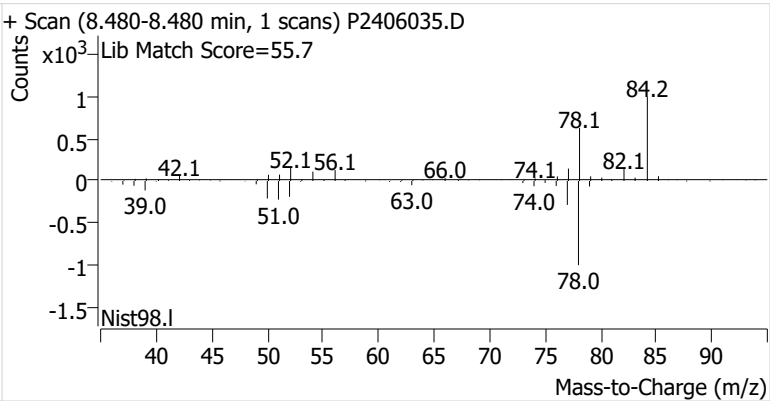
benzene-d6 (IS)



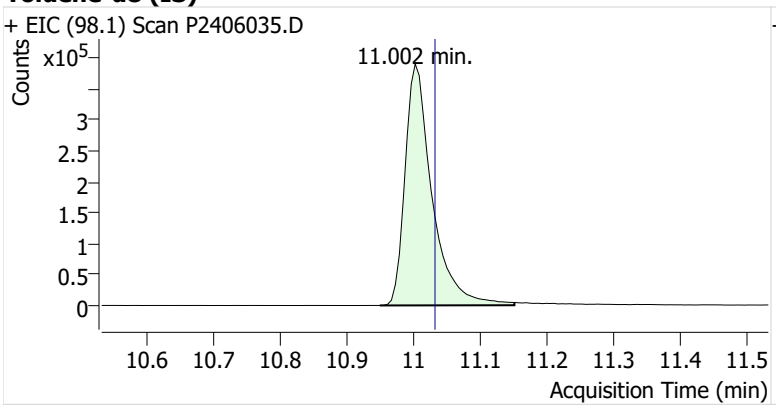


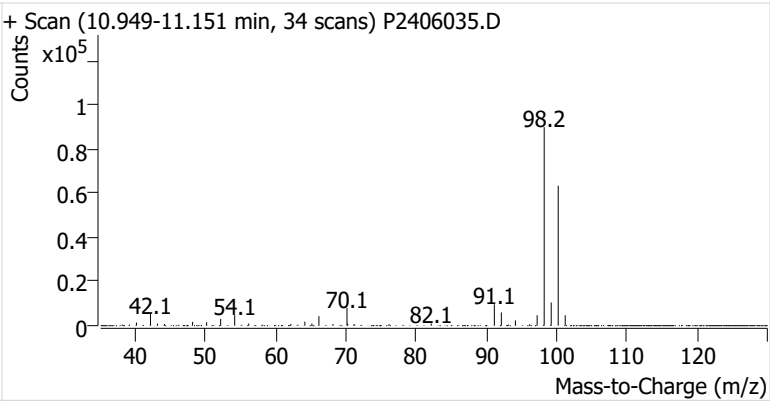
Benzene



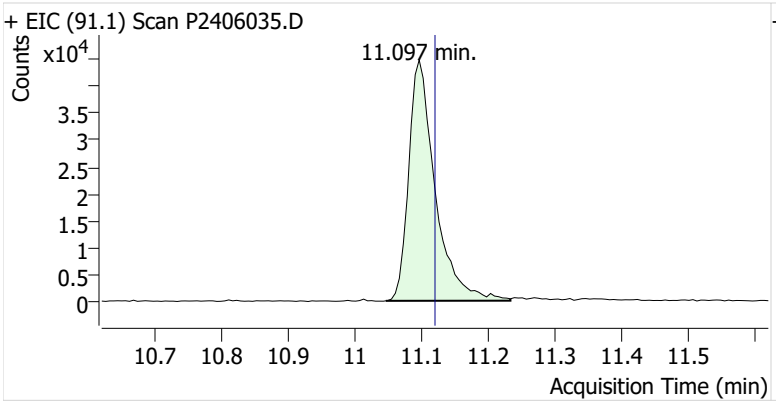


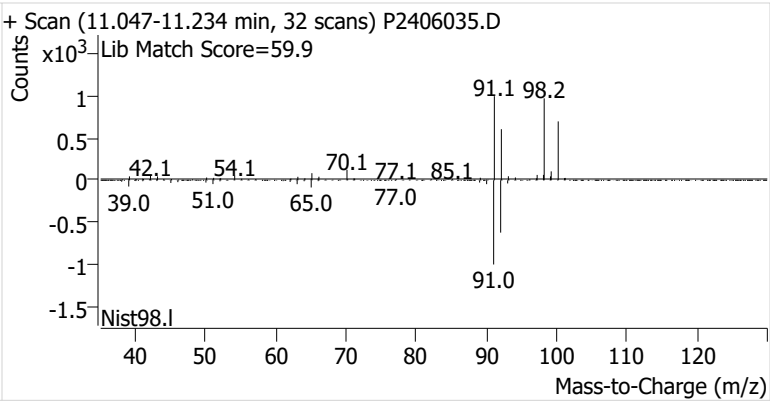
Toluene-d8 (IS)



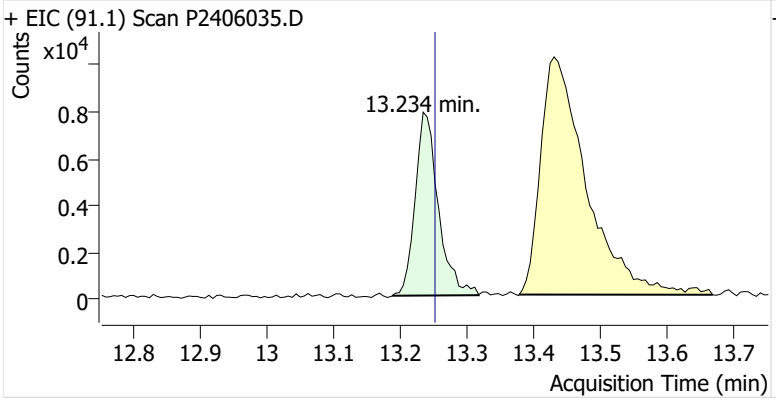


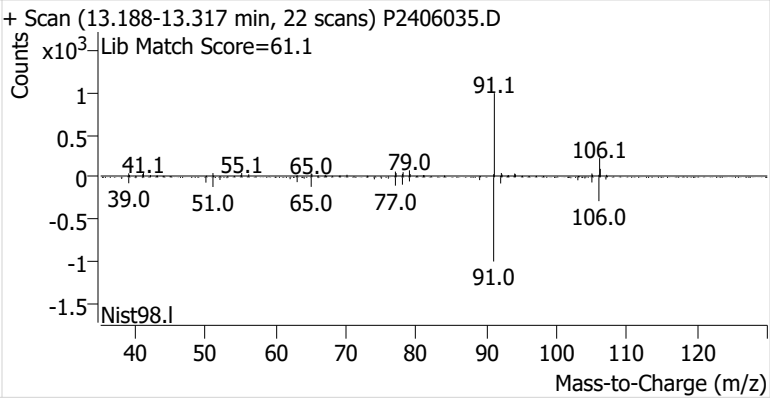
Toluene



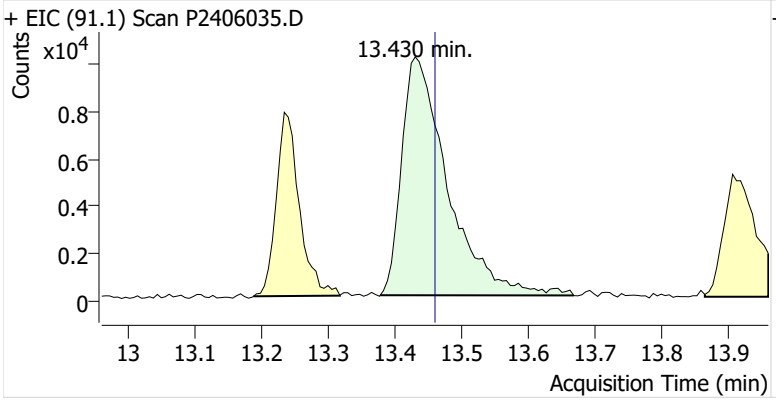


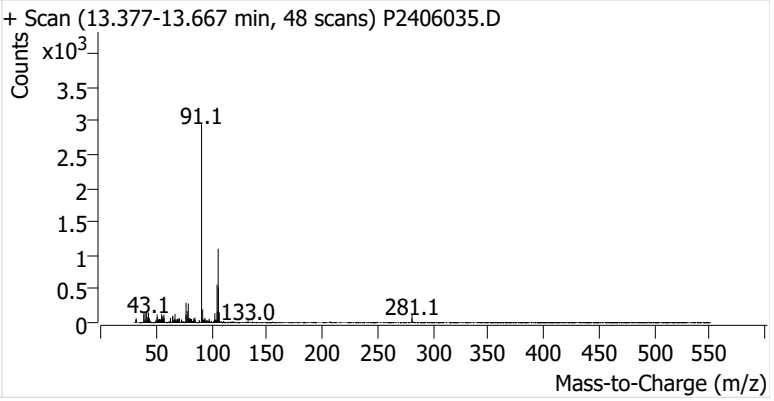
Ethylbenzene



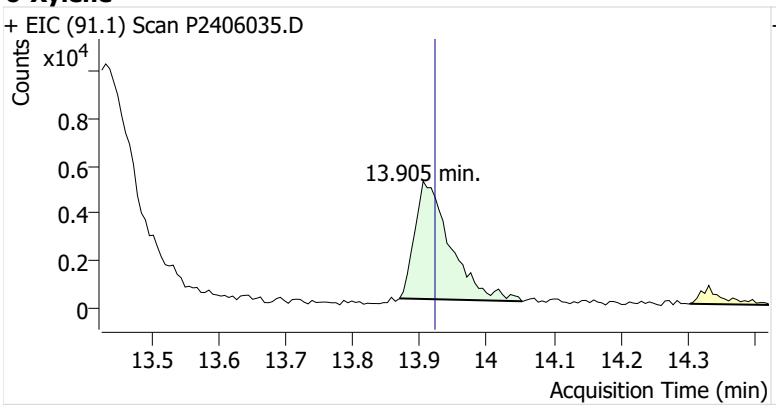


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2406035.D
Counts
x10^4
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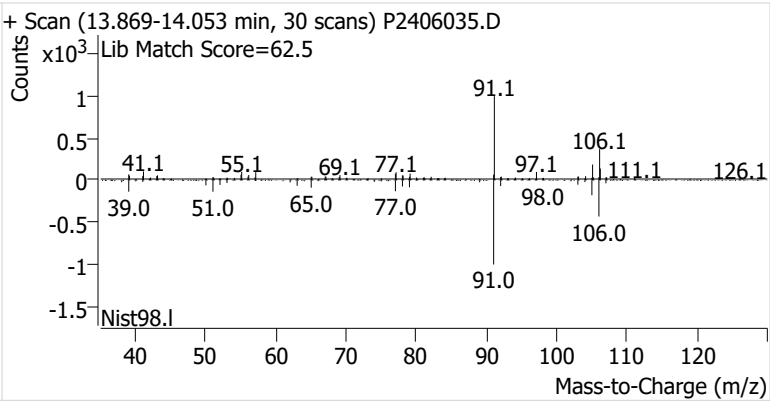
0.6
0.4
0.2
0
13.905 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.869-14.053 min, 30 scans) P2406035.D
Counts
x10^3
Lib Match Score=62.5
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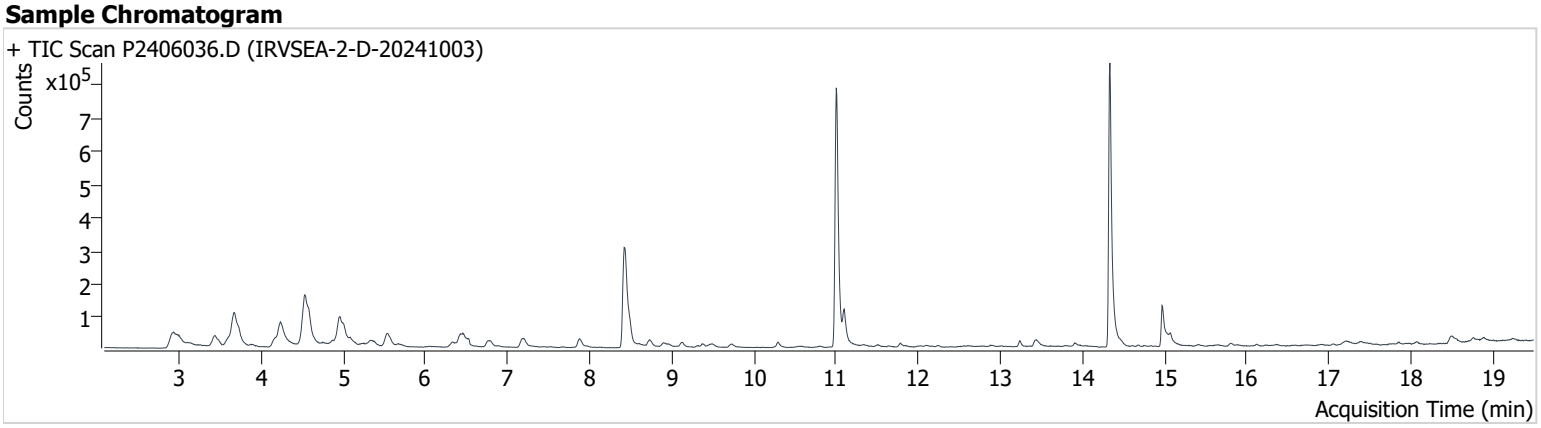
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

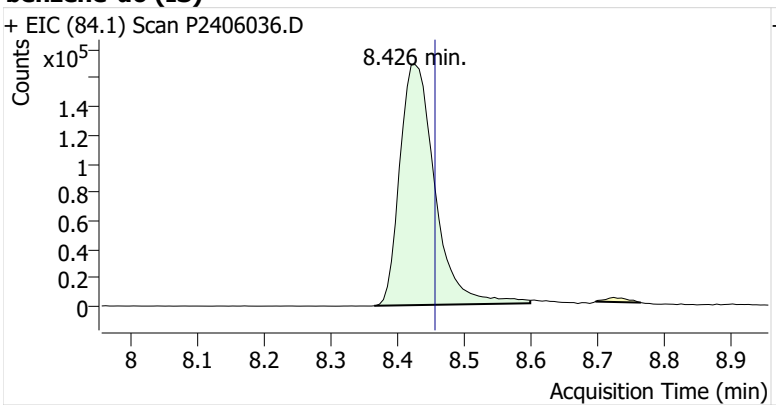
Name	IRVSEA-2-D-20241003
Comment	B49755
Data File	P2406036.D
Acq. Date-Time	10/18/2024 6:52:05 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

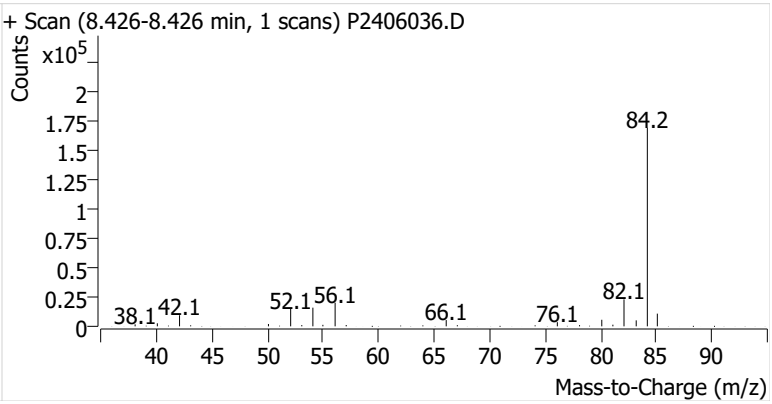
Sample Chromatogram



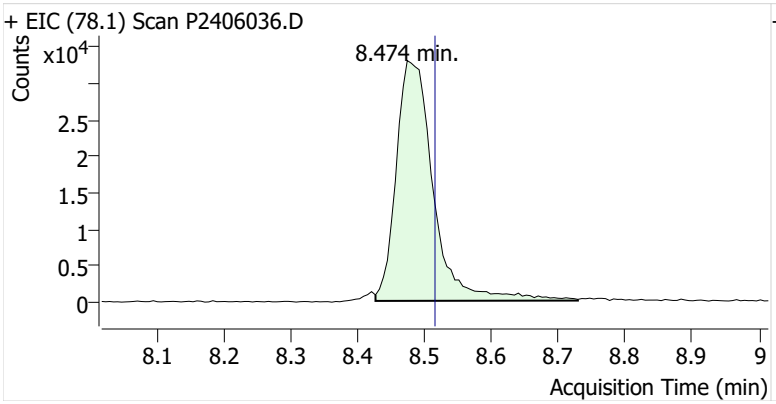
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	617,527	
Benzene	benzene-d6 (IS)	8.474	8.515	127,711	
Toluene-d8 (IS)		11.002	11.032	938,743	
Toluene	Toluene-d8 (IS)	11.097	11.121	108,419	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	19,027	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.459	34,353	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	13,677	

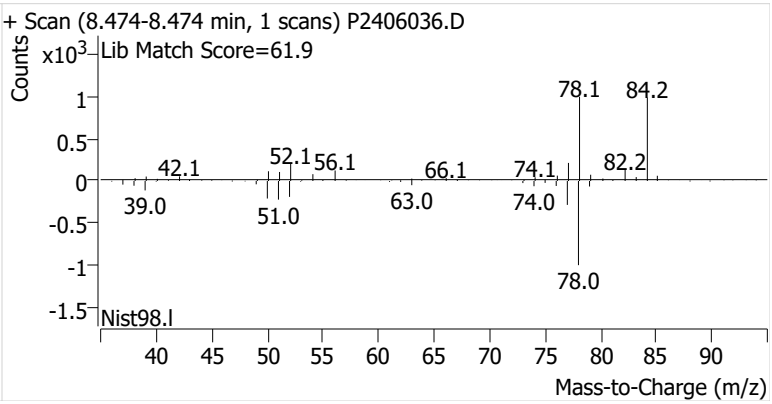
benzene-d6 (IS)



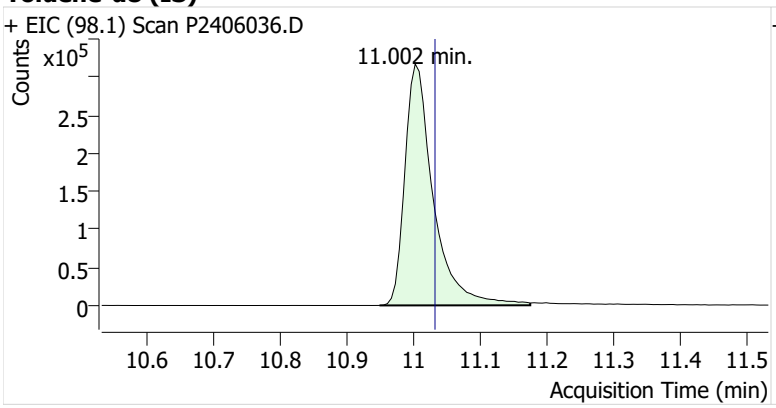


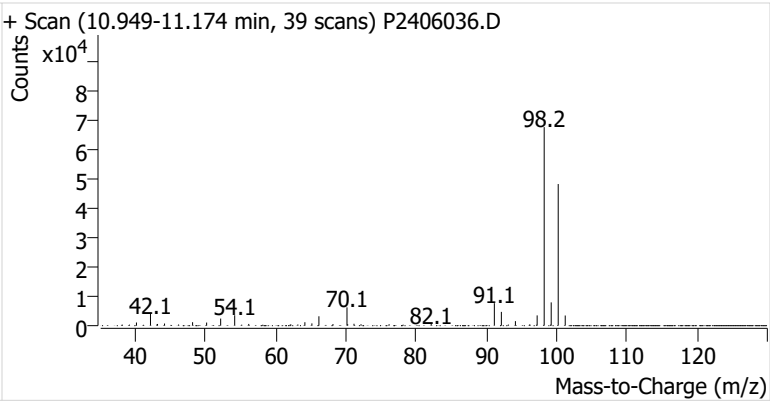
Benzene



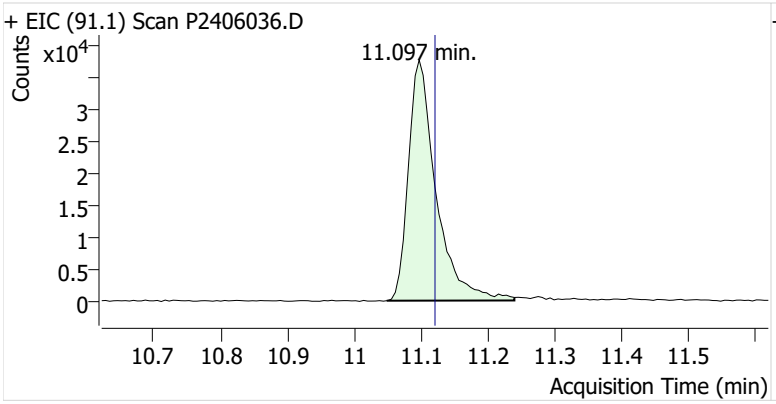


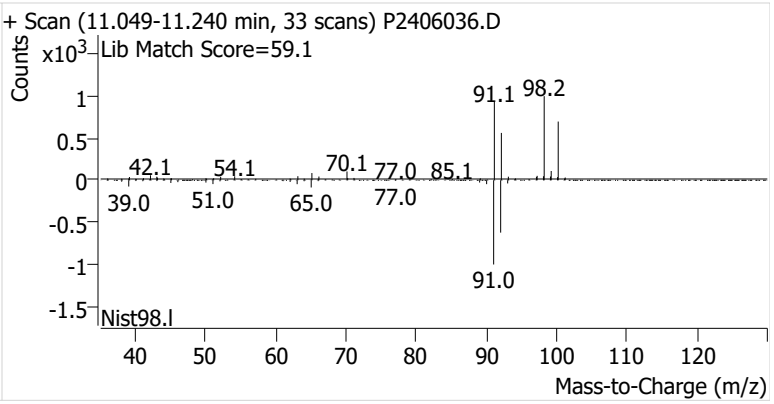
Toluene-d8 (IS)



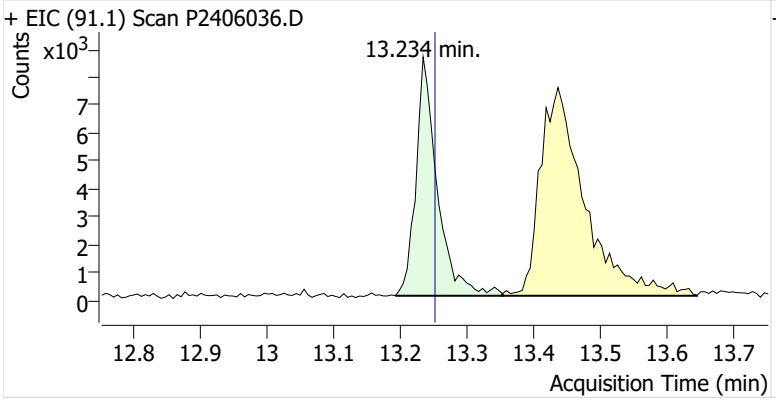


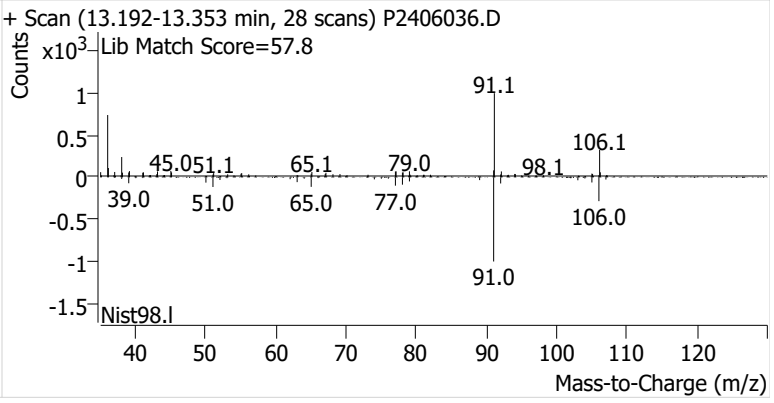
Toluene



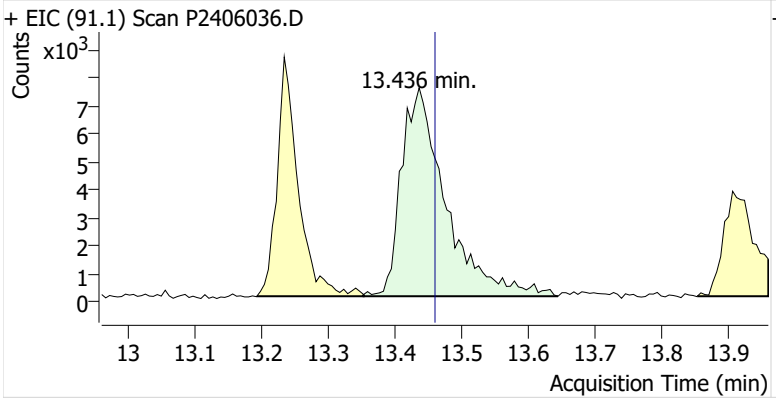


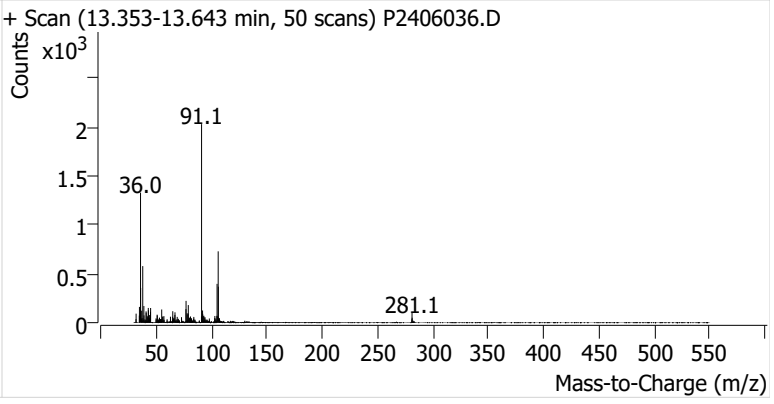
Ethylbenzene



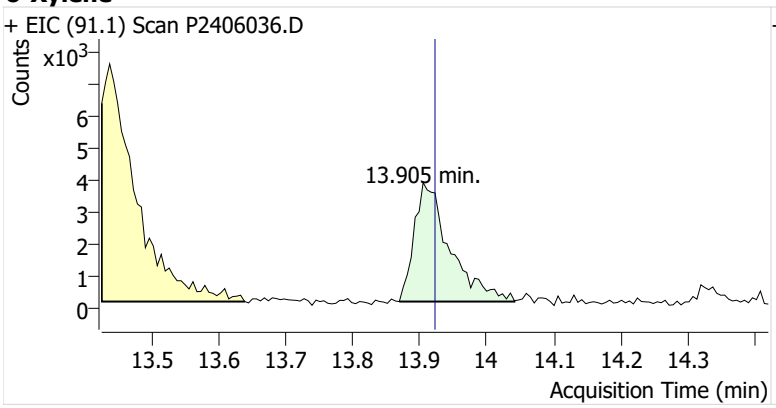


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2406036.D
Counts
x10^3
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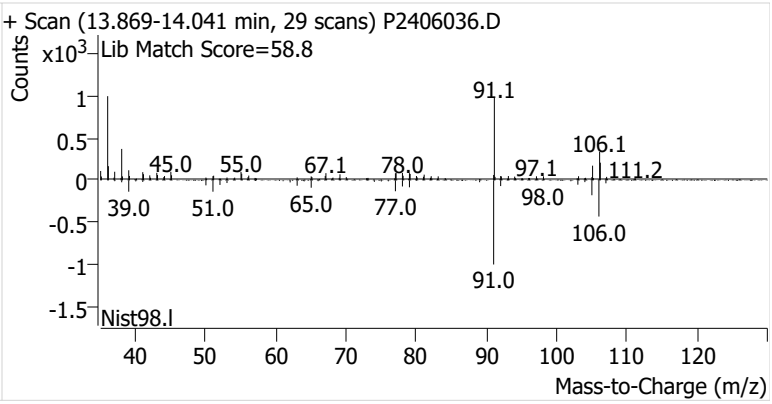
5
4
3
2
1
0
13.905 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Lib Match Score=58.8
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106.1
45.0
55.0
67.1
78.0
97.1
111.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
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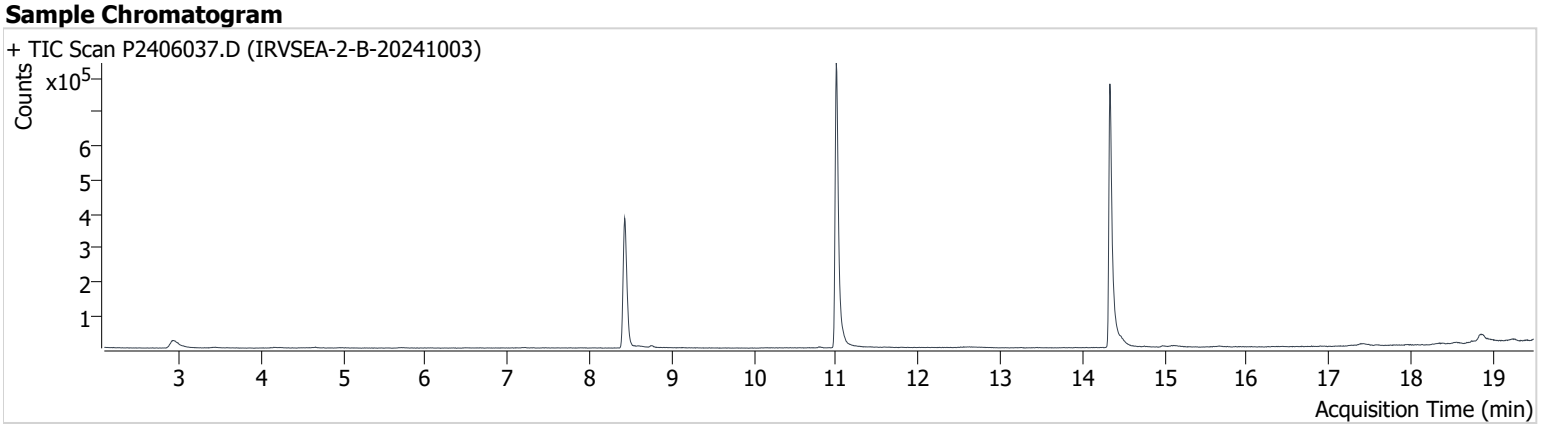
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

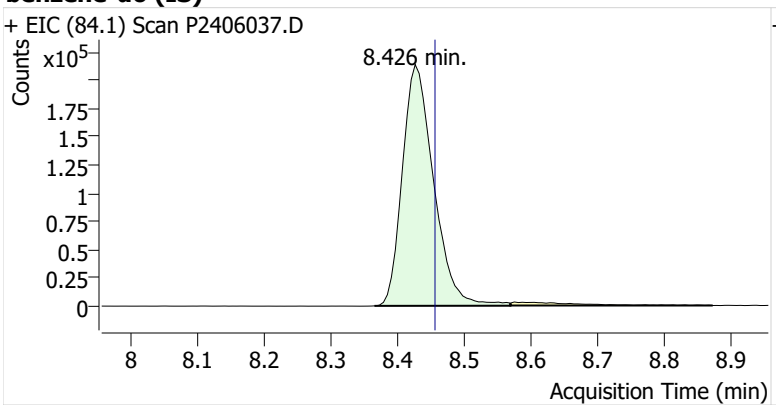
Name	IRVSEA-2-B-20241003
Comment	B50633
Data File	P2406037.D
Acq. Date-Time	10/18/2024 7:29:25 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

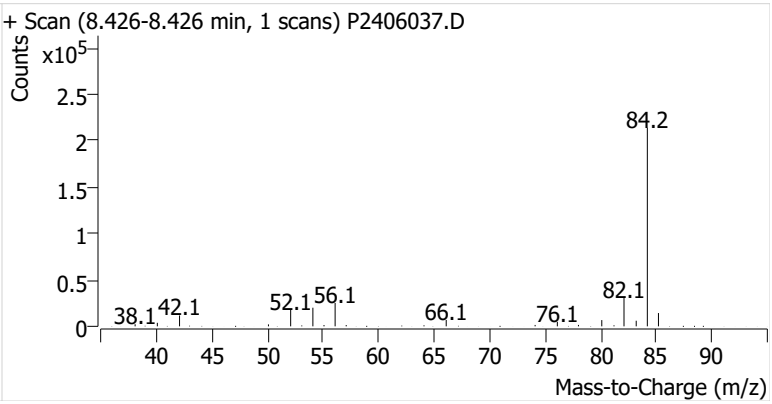
Sample Chromatogram



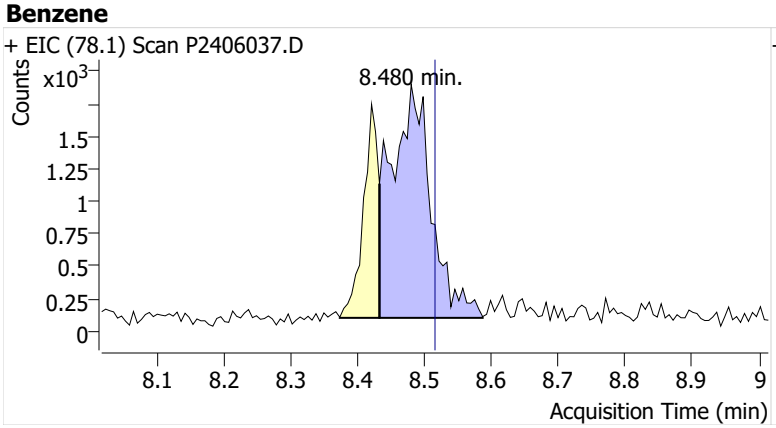
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	694,505	
Benzene	benzene-d6 (IS)	8.480	8.515	7,476	
Toluene-d8 (IS)		11.002	11.032	991,689	
Toluene	Toluene-d8 (IS)	11.091	11.121	5,898	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.252	640	
m-/p-Xylene	Toluene-d8 (IS)	13.453	13.459	192	m
o-Xylene	Toluene-d8 (IS)	13.453	13.922	ND	m

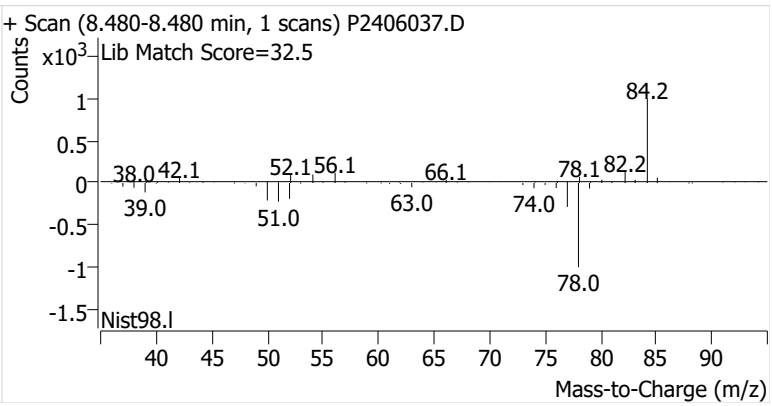
benzene-d6 (IS)



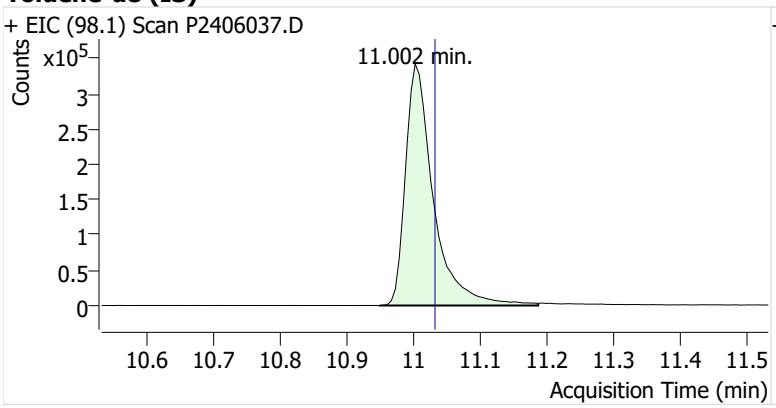


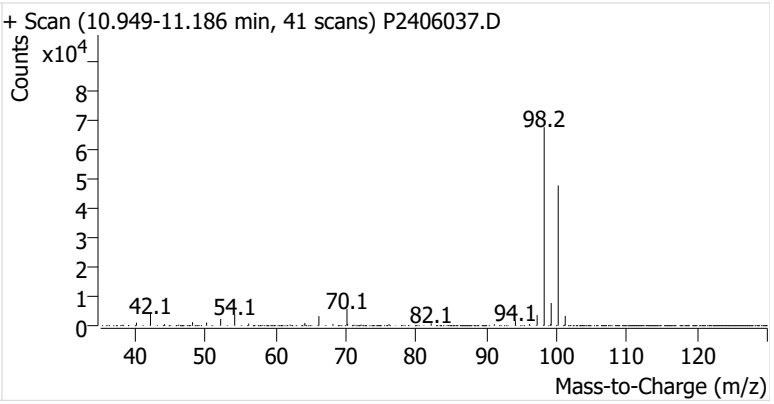
Benzene



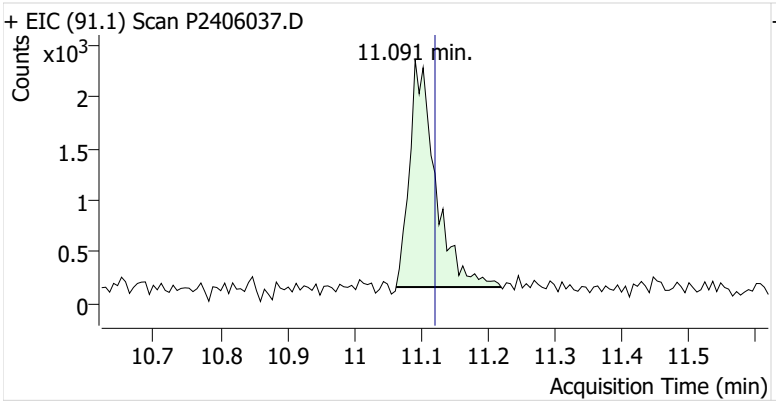


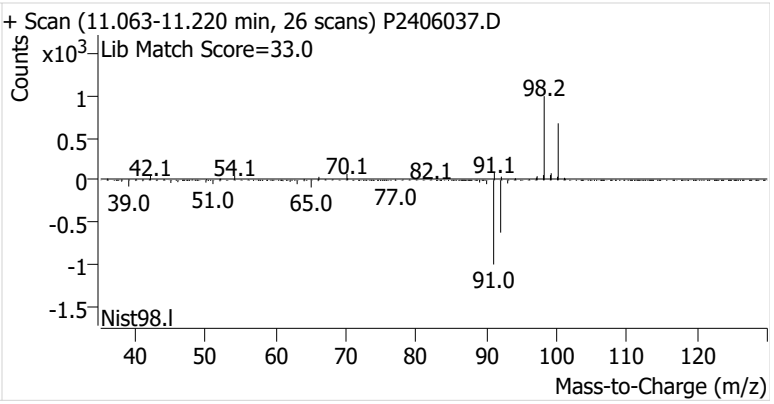
Toluene-d8 (IS)



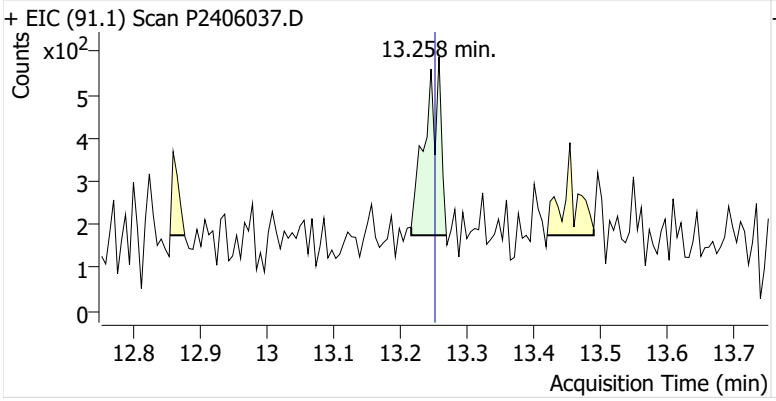


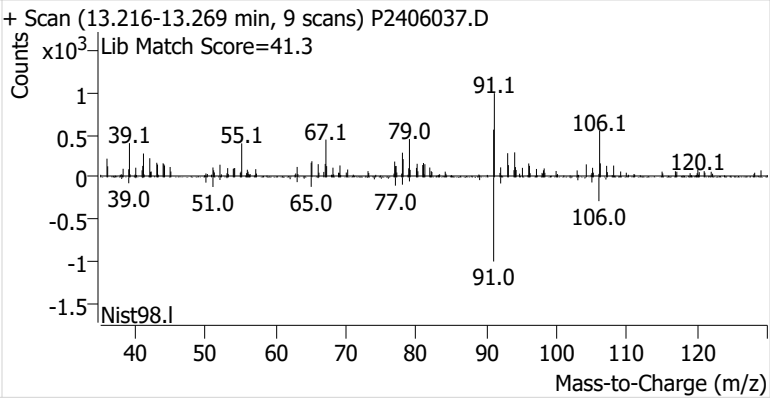
Toluene



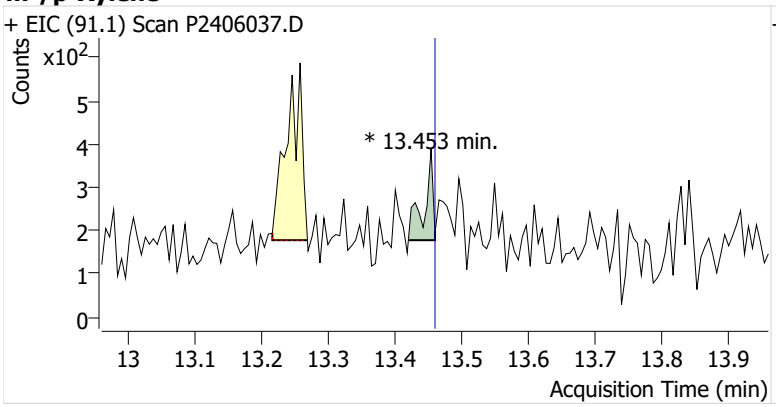


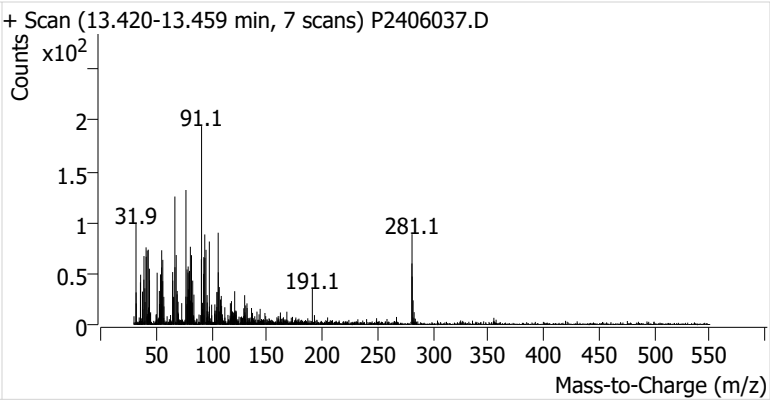
Ethylbenzene



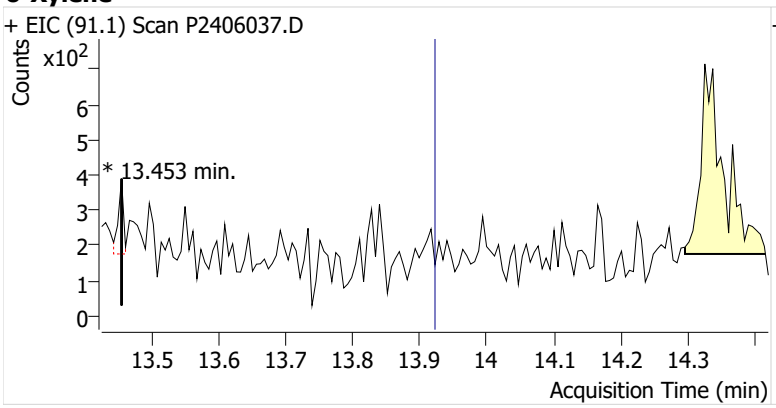


m-/p-Xylene





o-Xylene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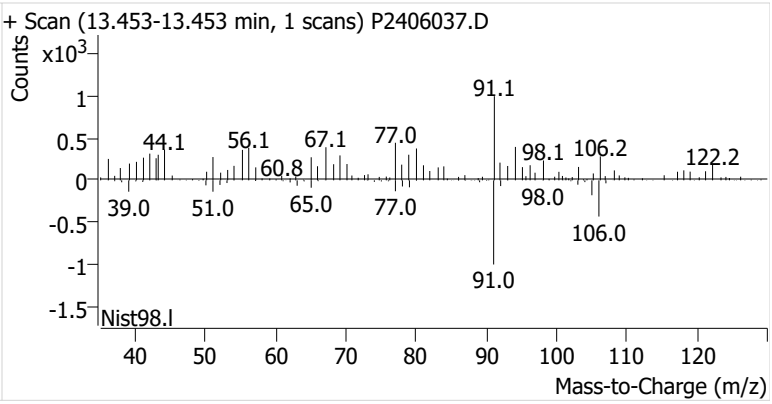
* 13.453 min.
Acquisition Time (min)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Counts
x10^3
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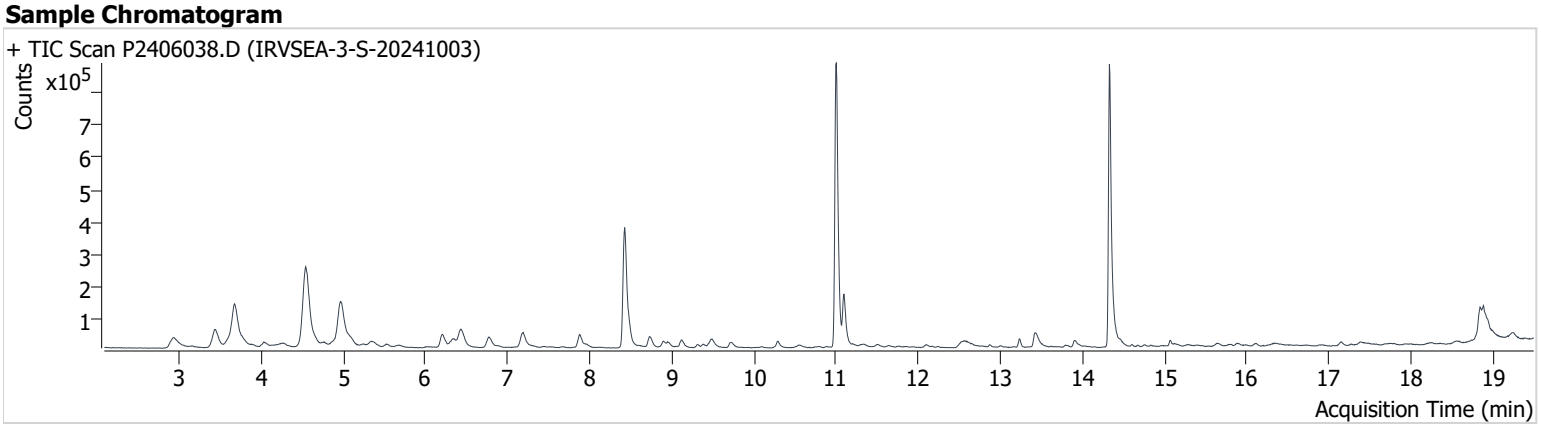
56.1
67.1
77.0
60.8
98.1
106.2
122.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

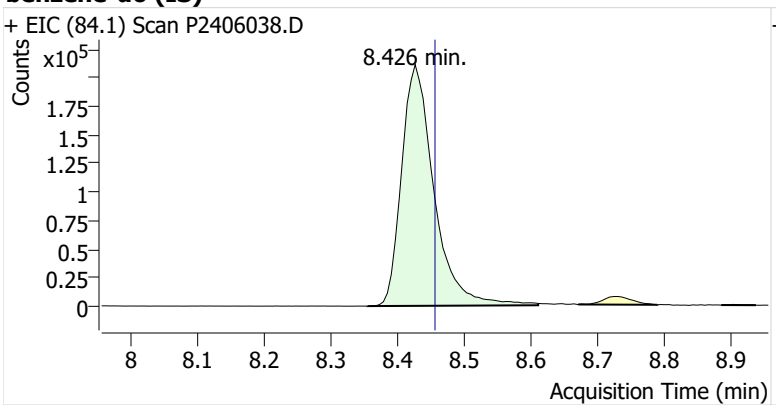
Name	IRVSEA-3-S-20241003
Comment	C24126
Data File	P2406038.D
Acq. Date-Time	10/18/2024 8:06:41 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

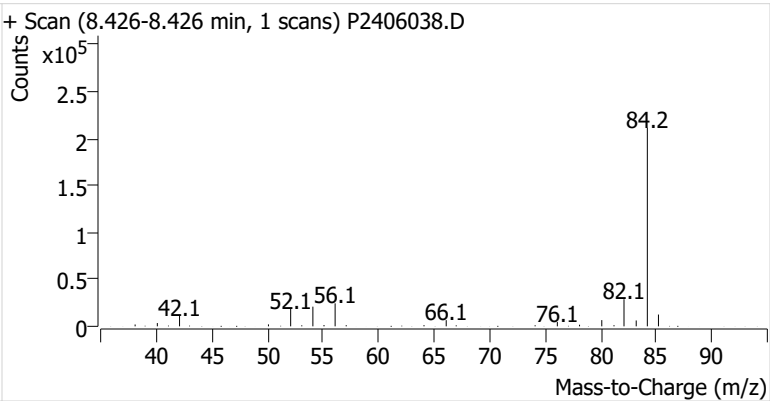
Sample Chromatogram



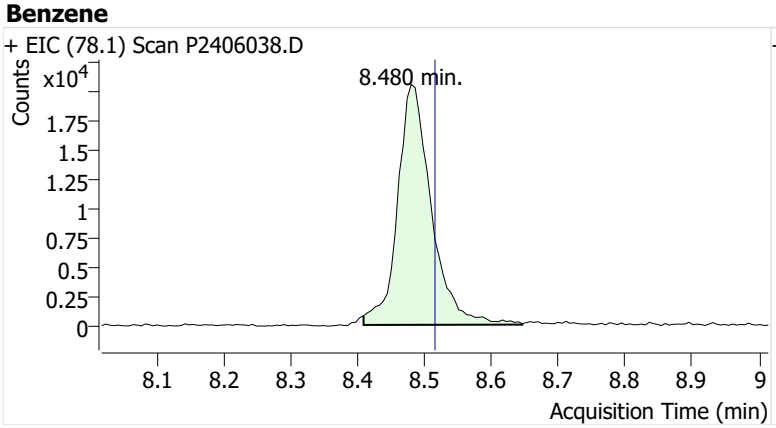
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	711,026	
Benzene	benzene-d6 (IS)	8.480	8.515	72,032	
Toluene-d8 (IS)		11.002	11.032	1,011,157	
Toluene	Toluene-d8 (IS)	11.091	11.121	173,629	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	28,340	
m-/p-Xylene	Toluene-d8 (IS)	13.430	13.459	79,177	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	30,627	

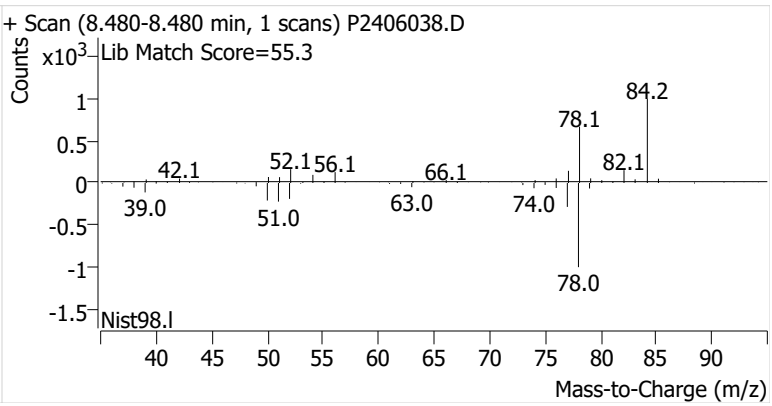
benzene-d6 (IS)



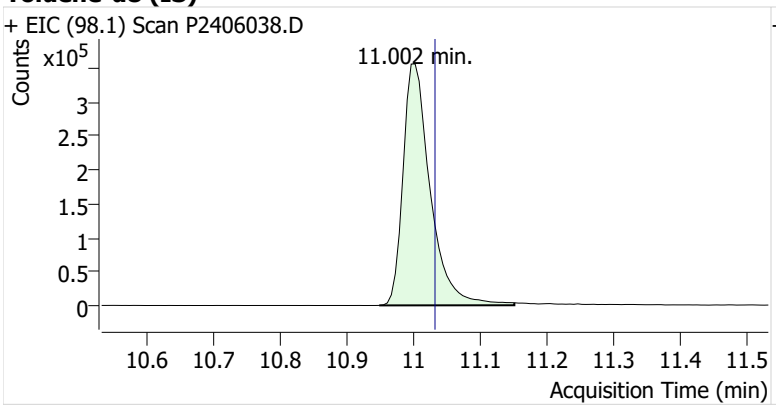


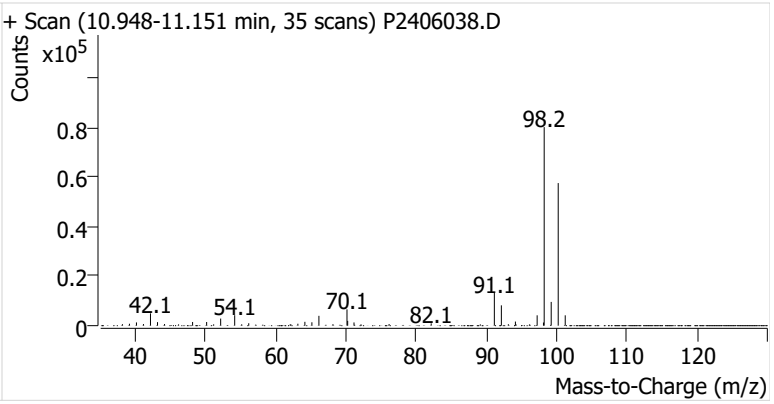
Benzene



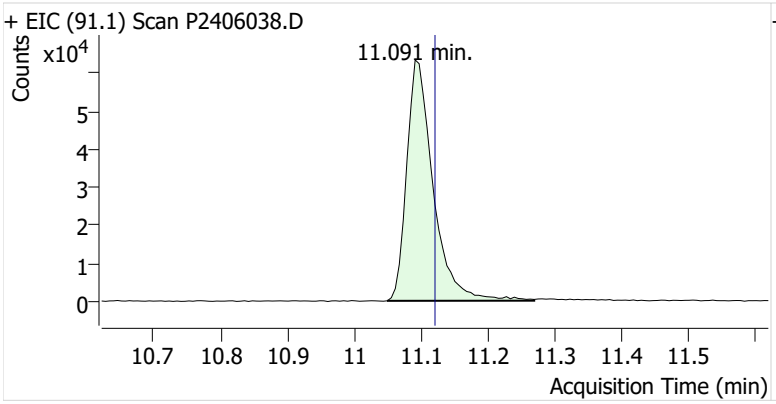


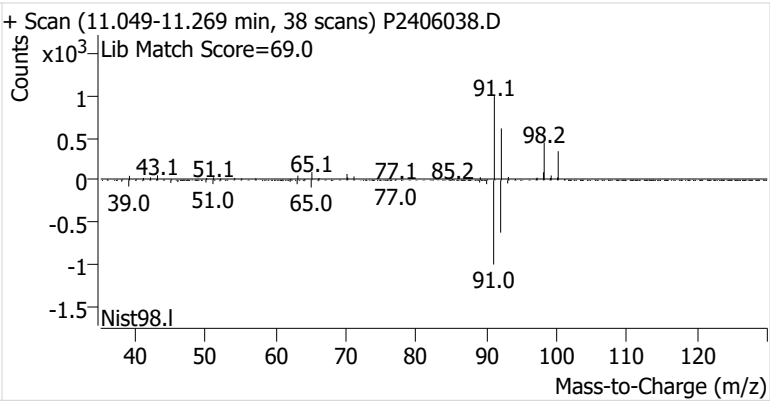
Toluene-d8 (IS)



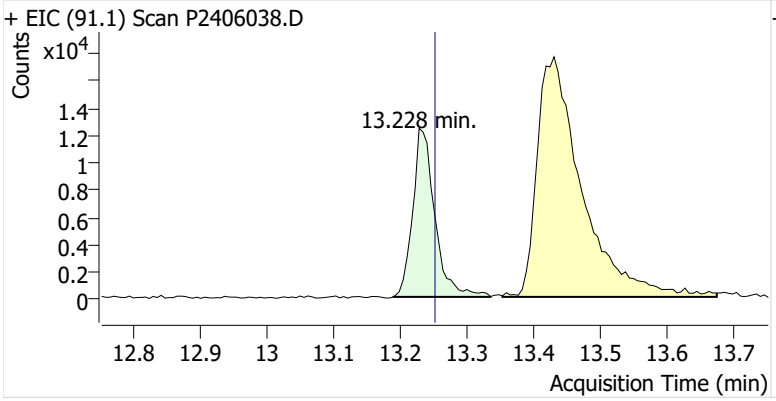


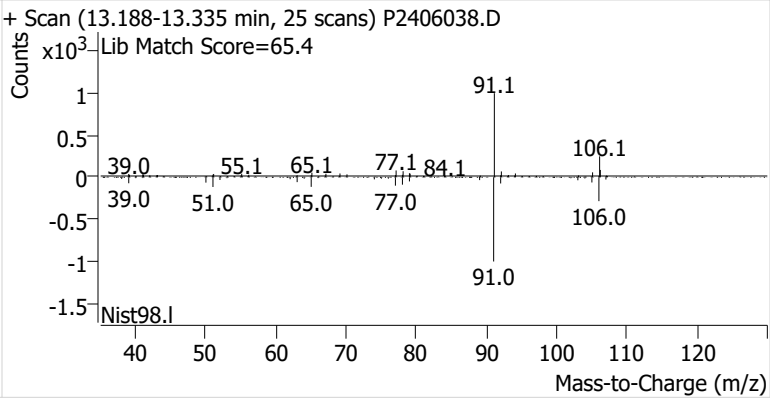
Toluene



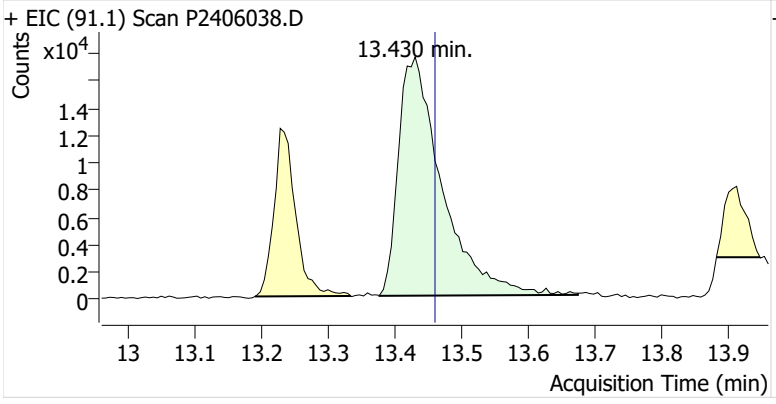


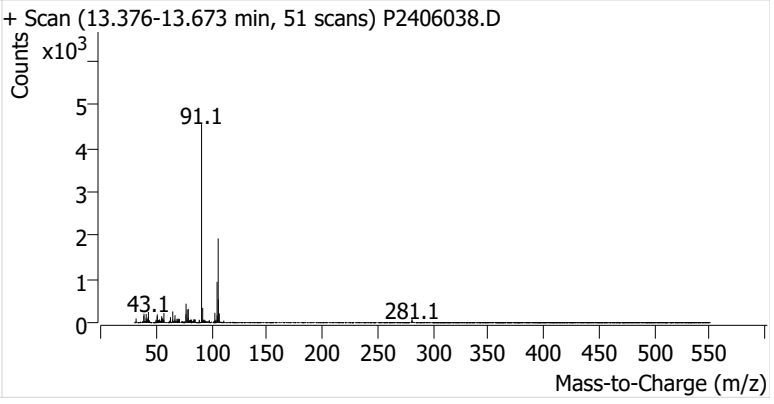
Ethylbenzene



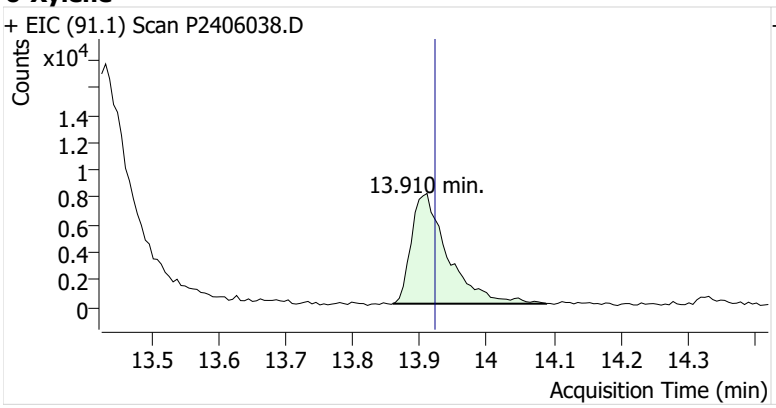


m-/p-Xylene





o-Xylene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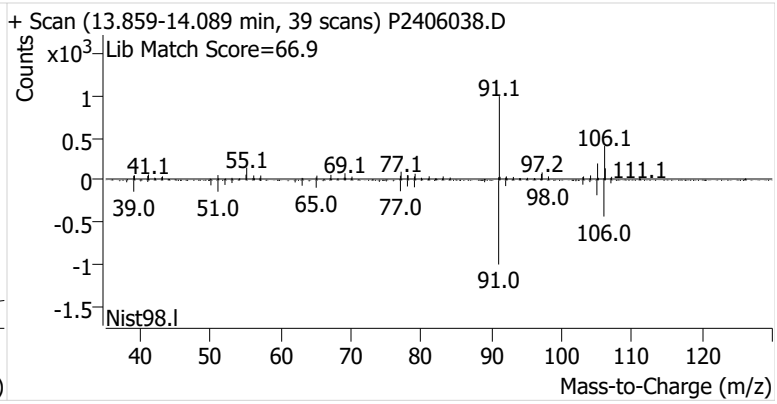
1.2
1
0.8
0.6
0.4
0.2
0
13.910 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.859-14.089 min, 39 scans) P2406038.D
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x10^3
Lib Match Score=66.9
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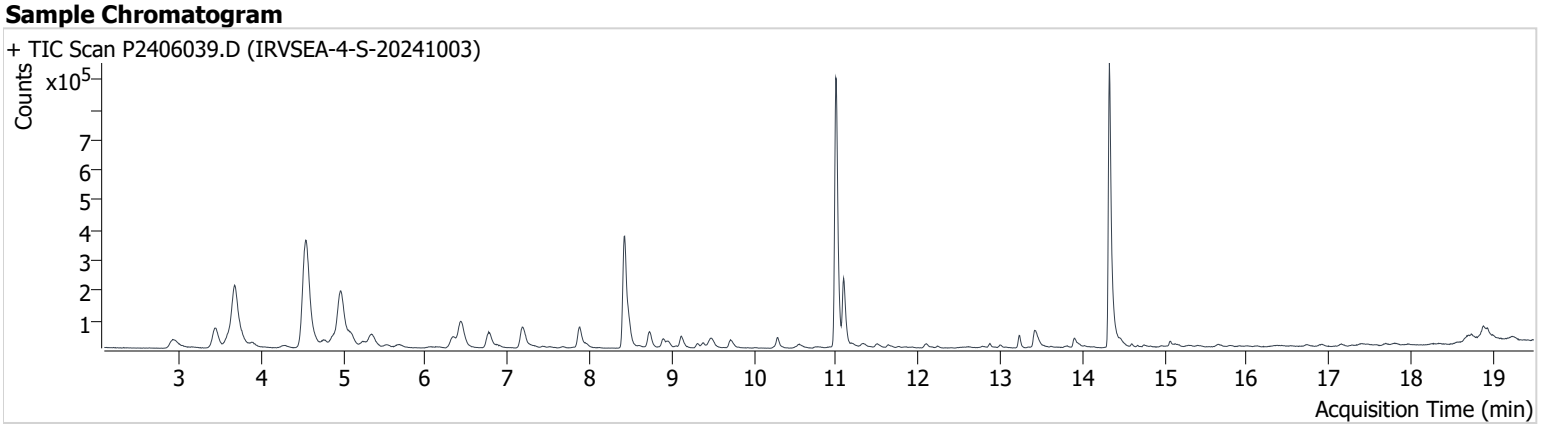
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

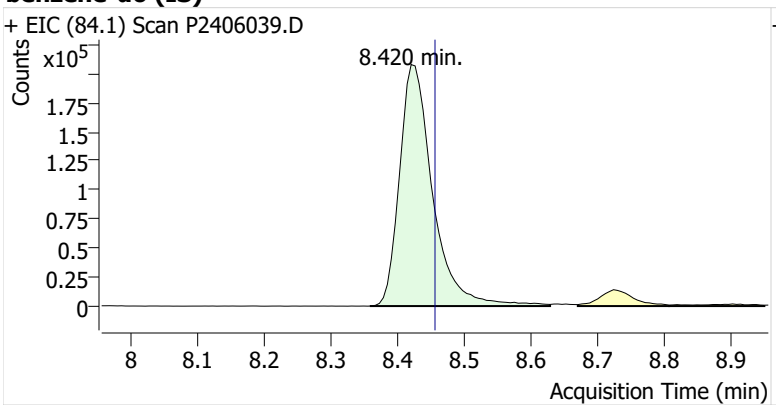
Name	IRVSEA-4-S-20241003
Comment	C01929
Data File	P2406039.D
Acq. Date-Time	10/18/2024 8:44:00 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

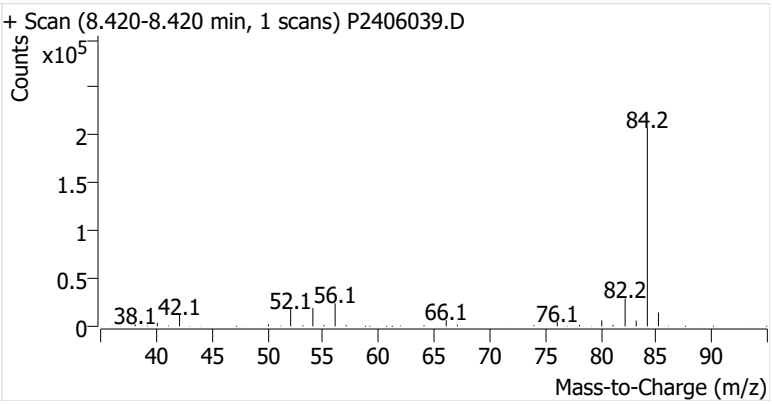
Sample Chromatogram



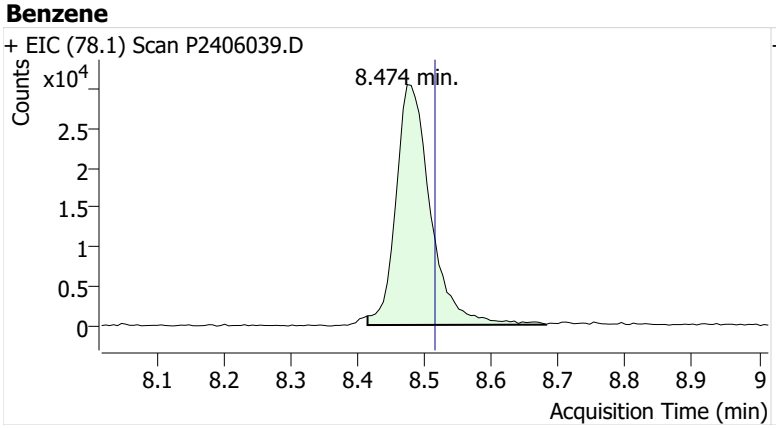
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	716,088	
Benzene	benzene-d6 (IS)	8.474	8.515	109,453	
Toluene-d8 (IS)		10.996	11.032	1,022,264	
Toluene	Toluene-d8 (IS)	11.091	11.121	253,910	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	43,331	
m-/p-Xylene	Toluene-d8 (IS)	13.424	13.459	97,822	
o-Xylene	Toluene-d8 (IS)	13.899	13.922	43,550	

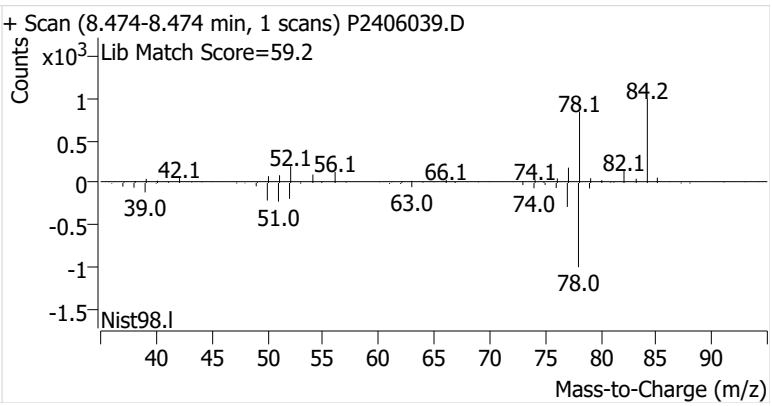
benzene-d6 (IS)



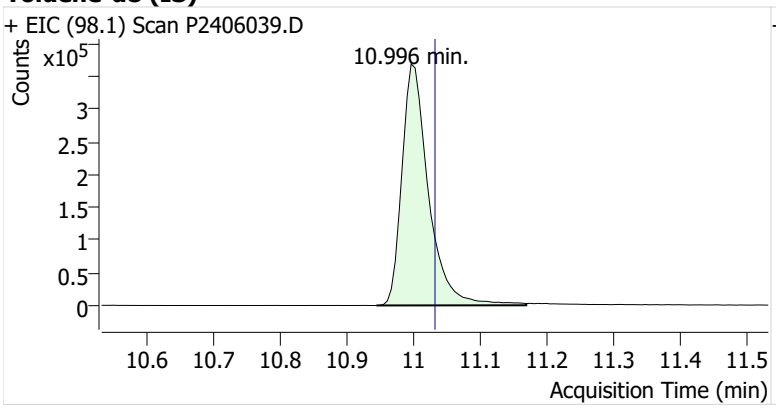


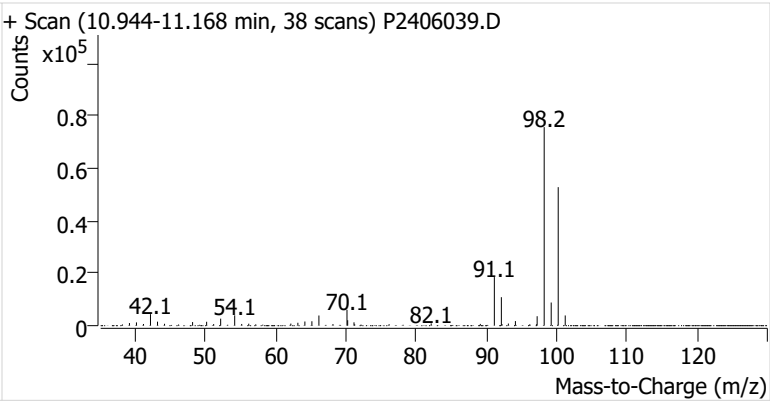
Benzene



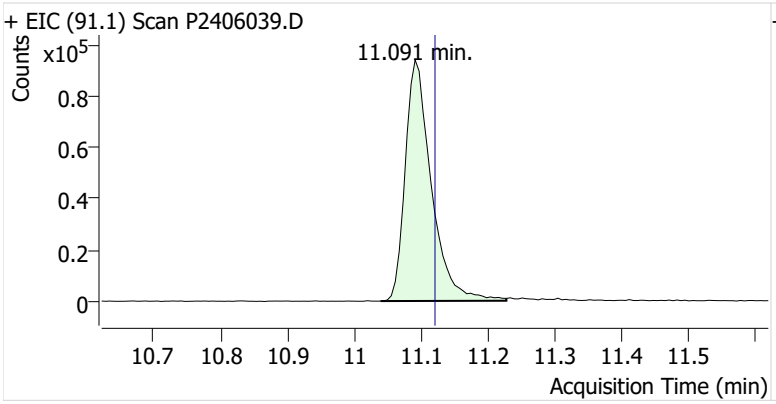


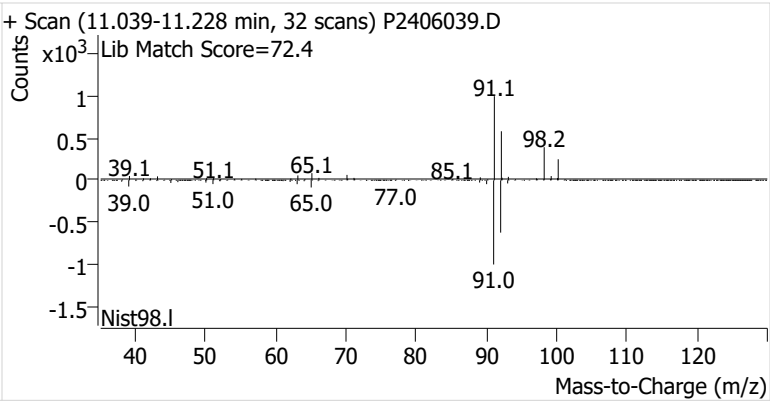
Toluene-d8 (IS)



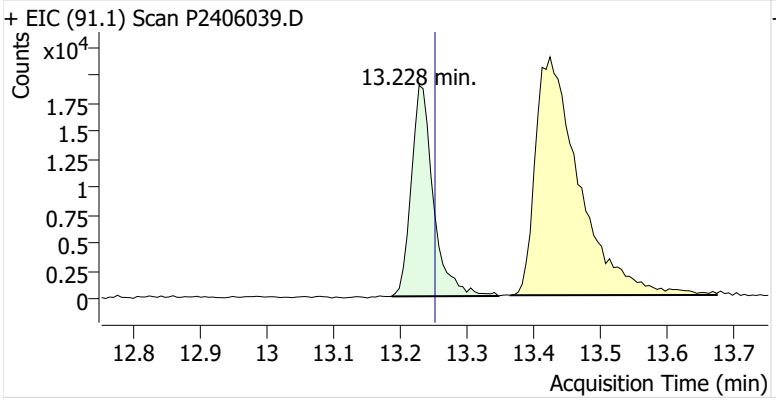


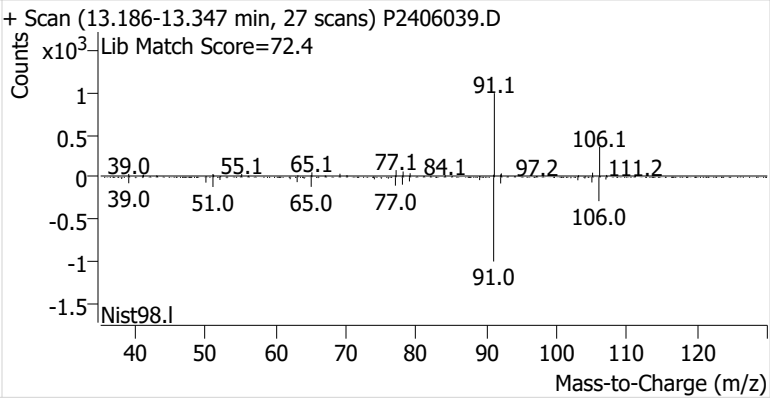
Toluene



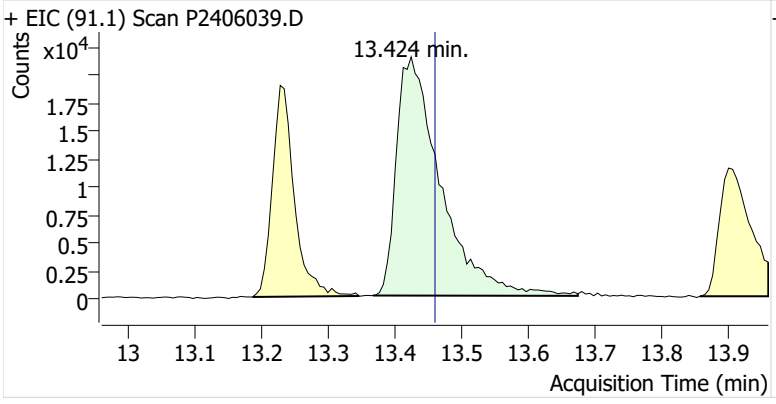


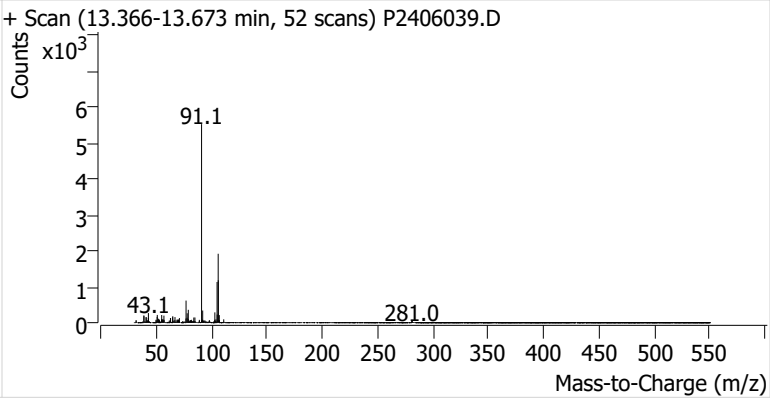
Ethylbenzene



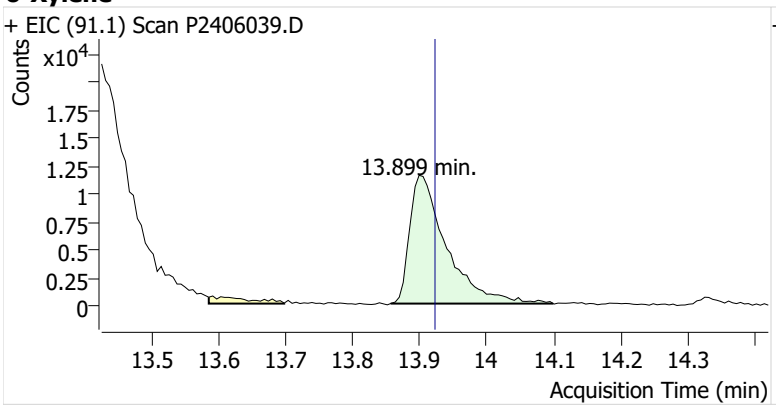


m-/p-Xylene





o-Xylene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0.25
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13.6
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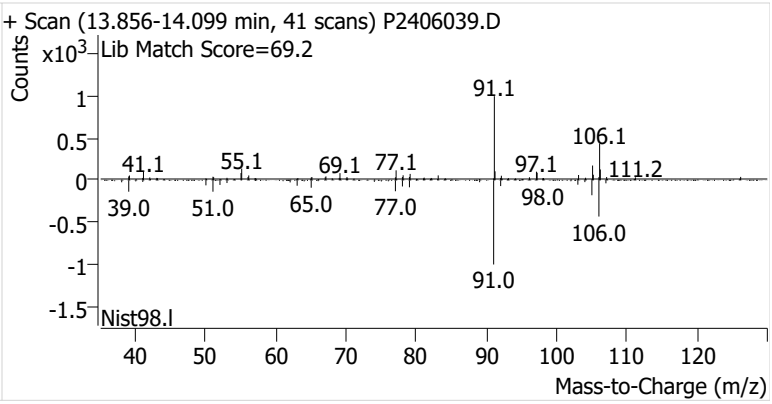
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Counts
x10^3
Lib Match Score=69.2
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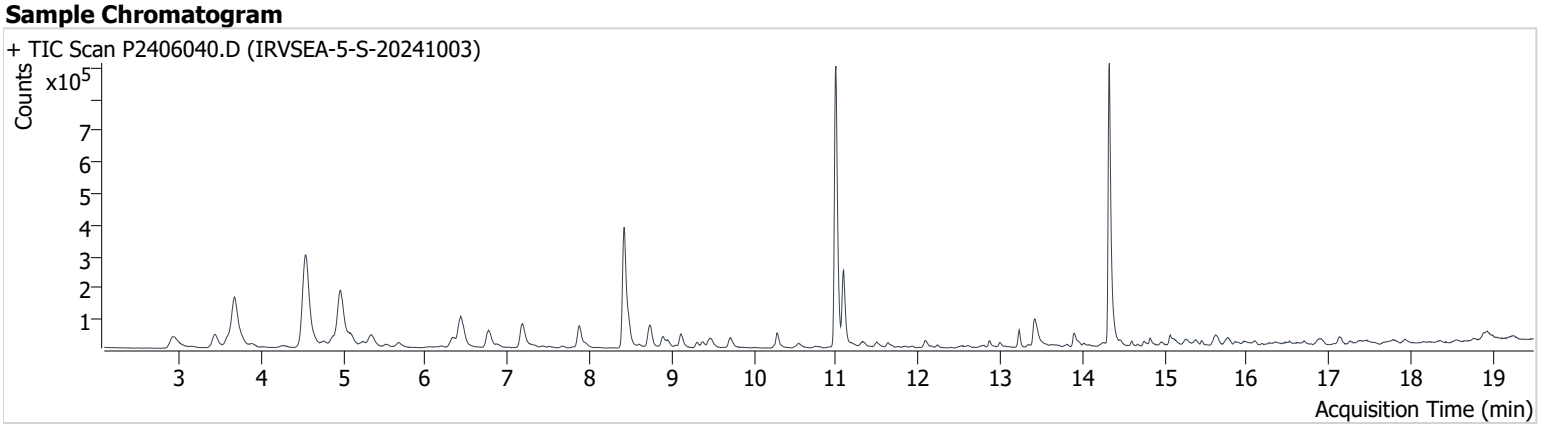
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

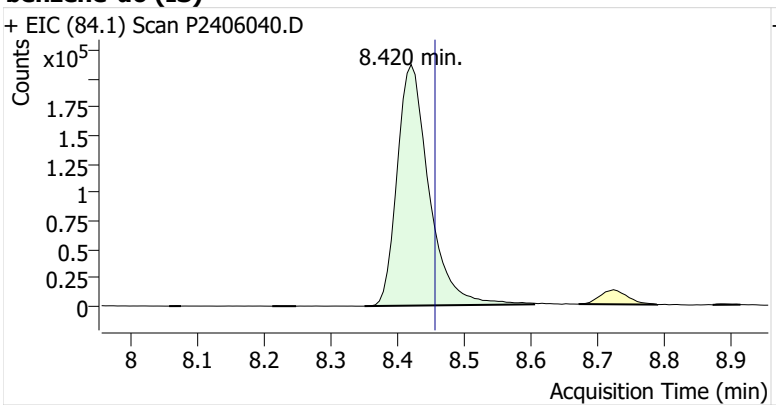
Name	IRVSEA-5-S-20241003
Comment	C43207
Data File	P2406040.D
Acq. Date-Time	10/18/2024 9:21:18 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

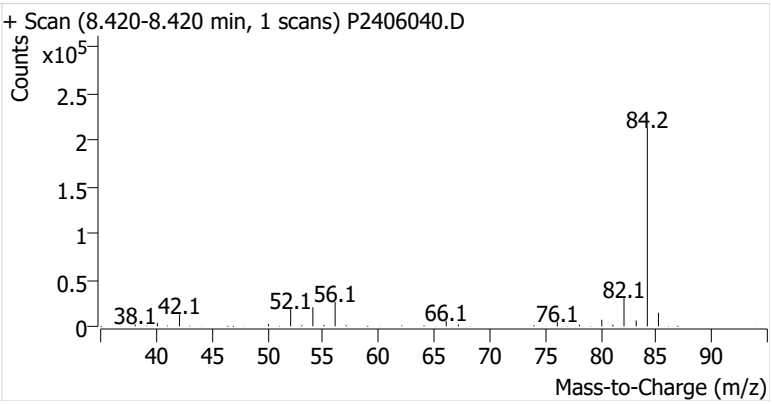
Sample Chromatogram



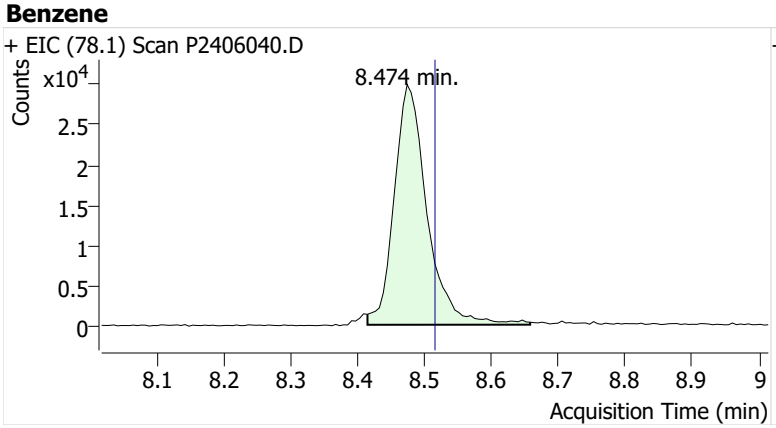
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	704,188	
Benzene	benzene-d6 (IS)	8.474	8.515	101,940	
Toluene-d8 (IS)		10.996	11.032	982,913	
Toluene	Toluene-d8 (IS)	11.091	11.121	270,716	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	50,794	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	136,702	
o-Xylene	Toluene-d8 (IS)	13.893	13.922	57,066	

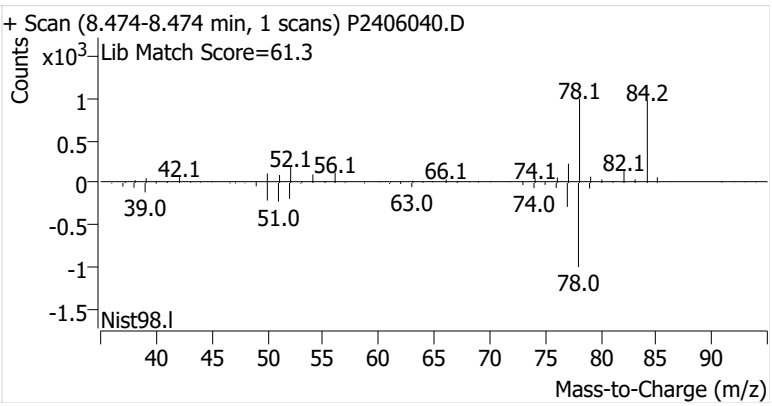
benzene-d6 (IS)



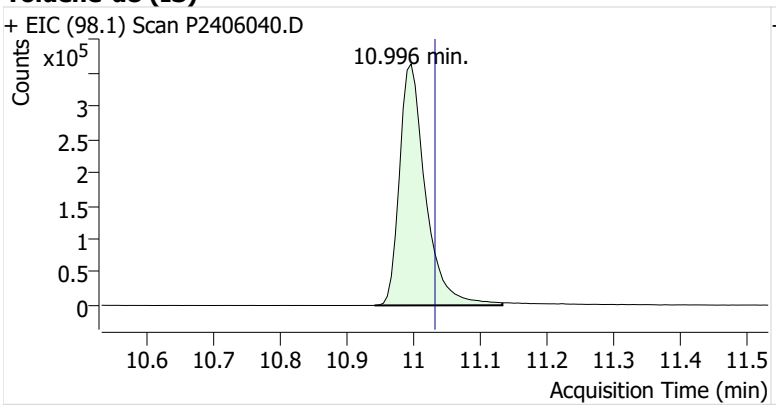


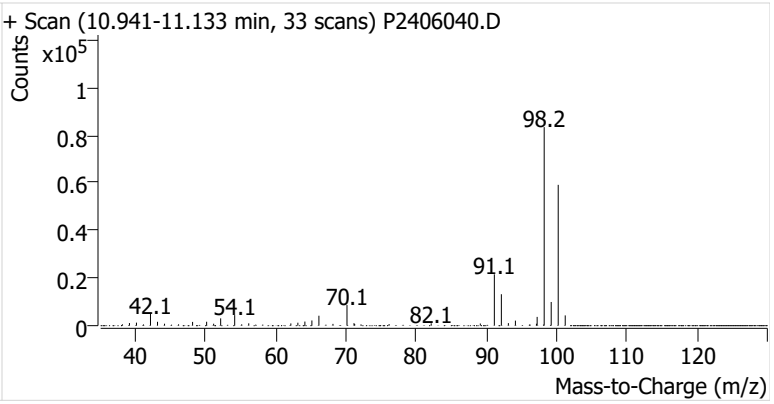
Benzene



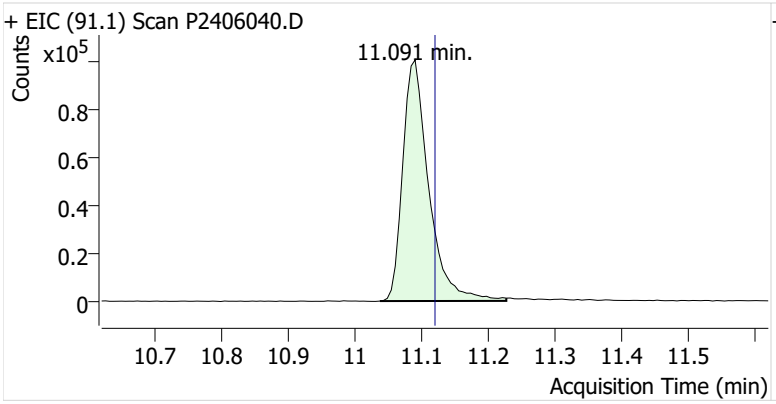


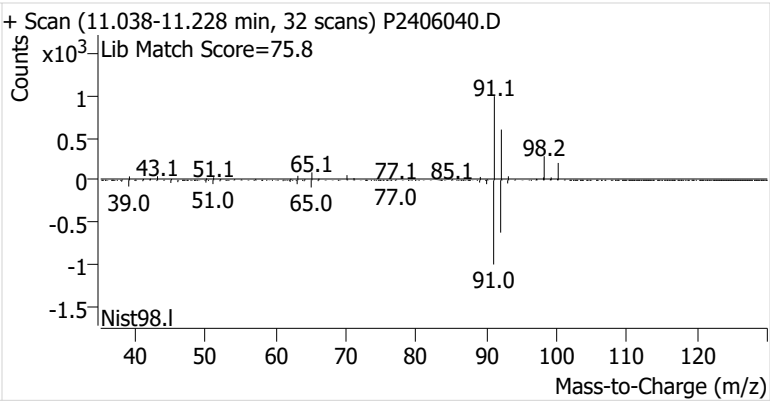
Toluene-d8 (IS)



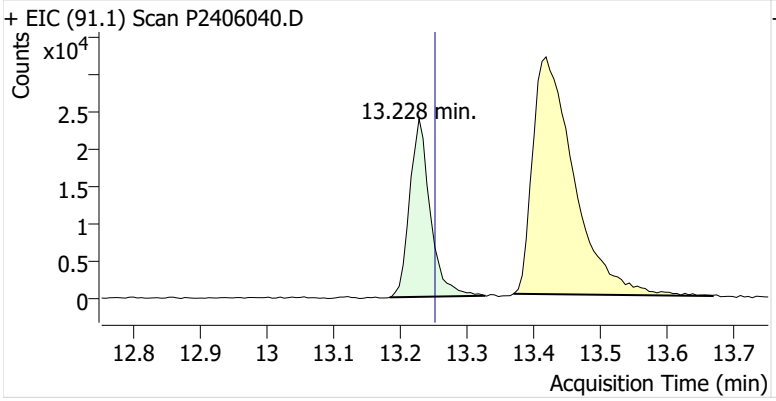


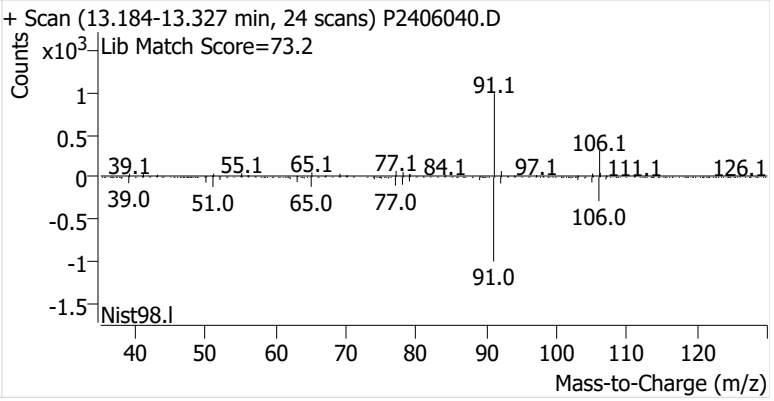
Toluene



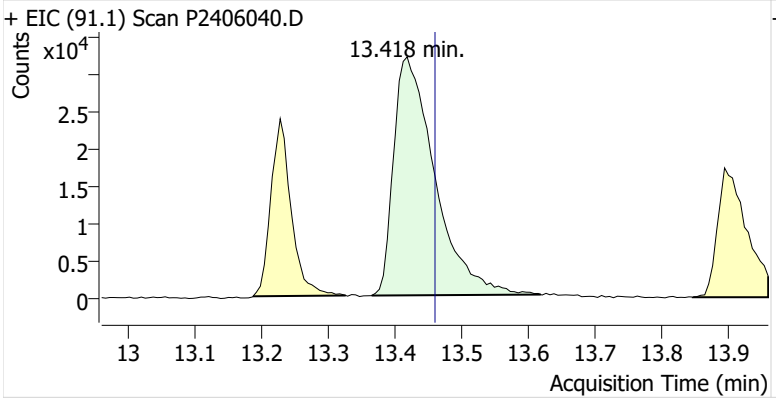


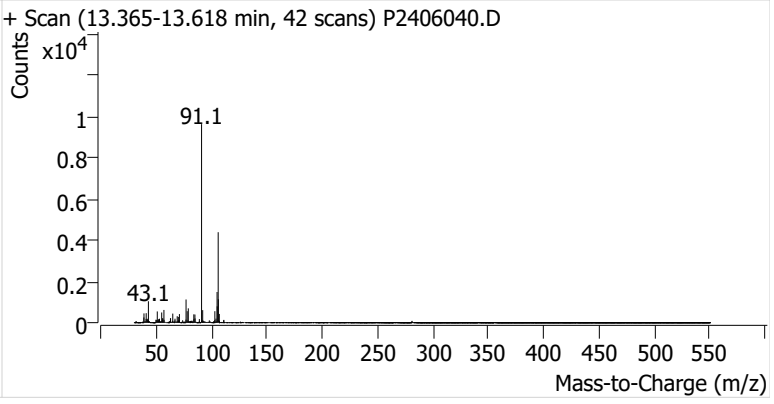
Ethylbenzene



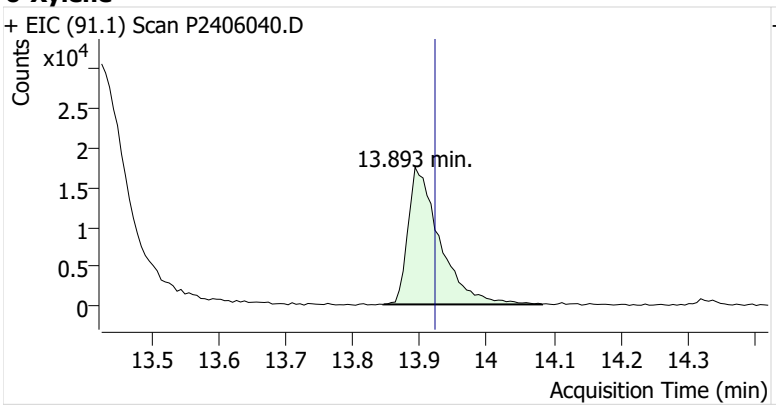


m-/p-Xylene





o-Xylene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2.5
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1.5
1
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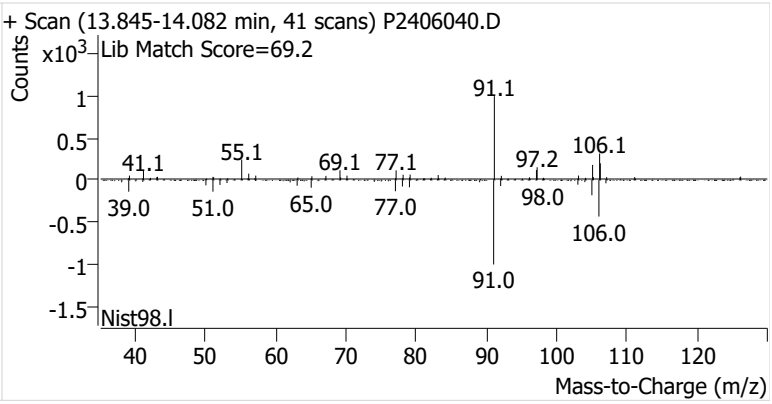
0
13.893 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.845-14.082 min, 41 scans) P2406040.D
Counts
x10^3
Lib Match Score=69.2
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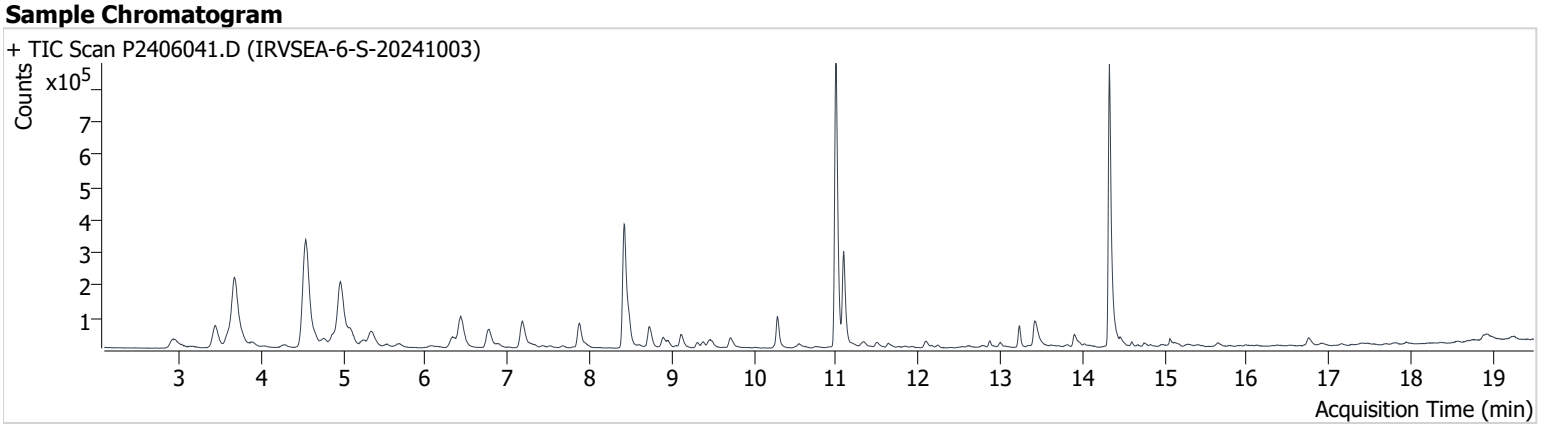
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

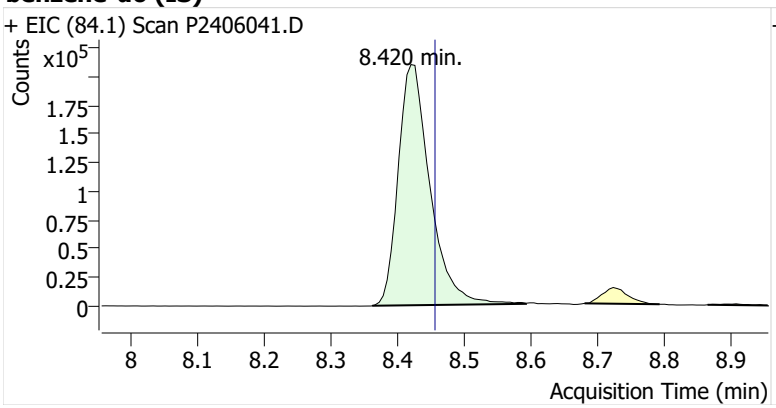
Name	IRVSEA-6-S-20241003
Comment	B15717
Data File	P2406041.D
Acq. Date-Time	10/18/2024 9:58:35 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

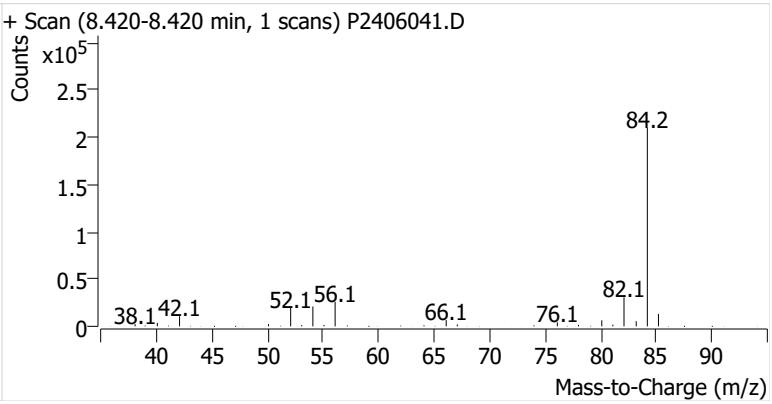
Sample Chromatogram



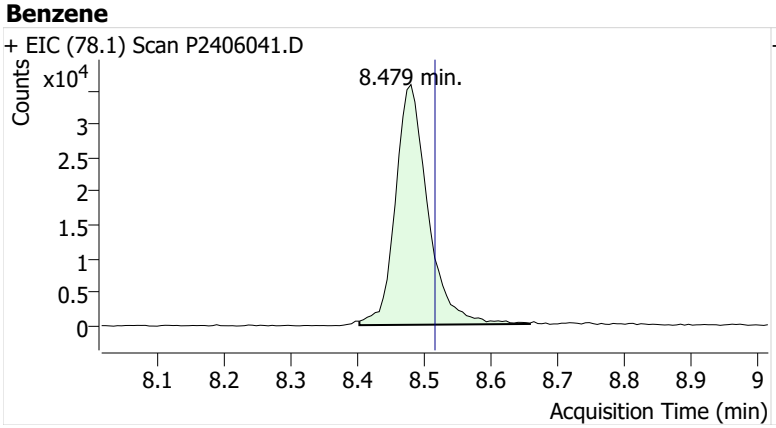
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	693,366	
Benzene	benzene-d6 (IS)	8.479	8.515	120,559	
Toluene-d8 (IS)		10.996	11.032	983,979	
Toluene	Toluene-d8 (IS)	11.091	11.121	325,389	
Ethylbenzene	Toluene-d8 (IS)	13.233	13.252	68,916	
m-/p-Xylene	Toluene-d8 (IS)	13.417	13.459	129,270	
o-Xylene	Toluene-d8 (IS)	13.904	13.922	50,825	

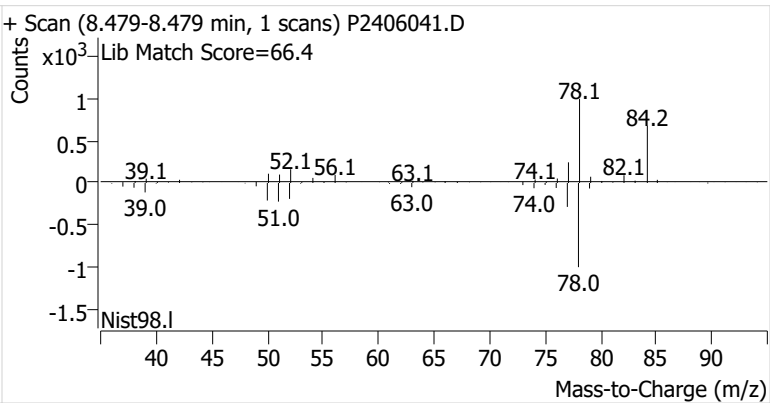
benzene-d6 (IS)



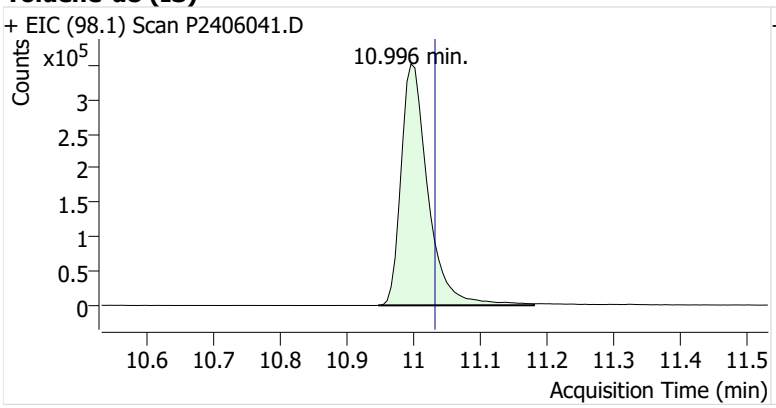


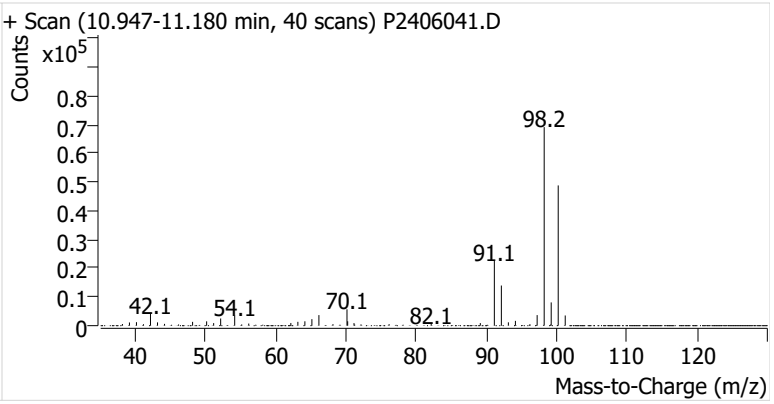
Benzene



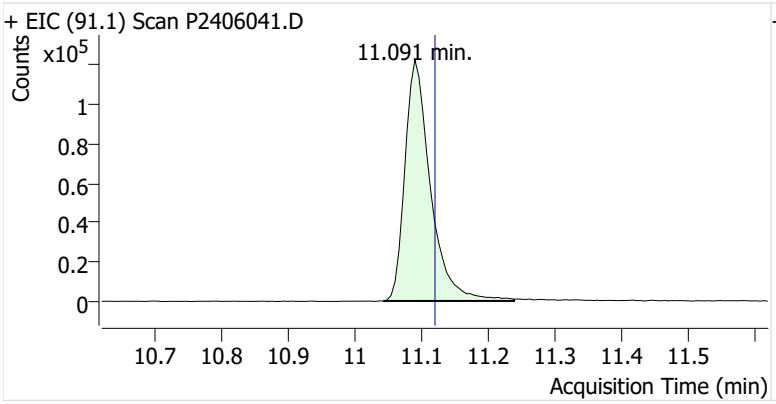


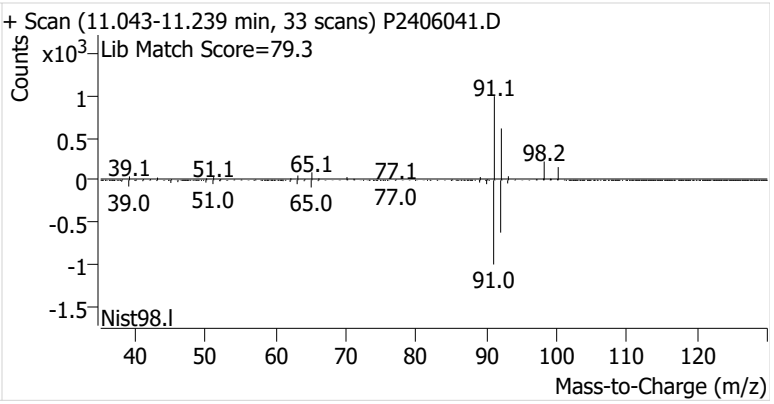
Toluene-d8 (IS)



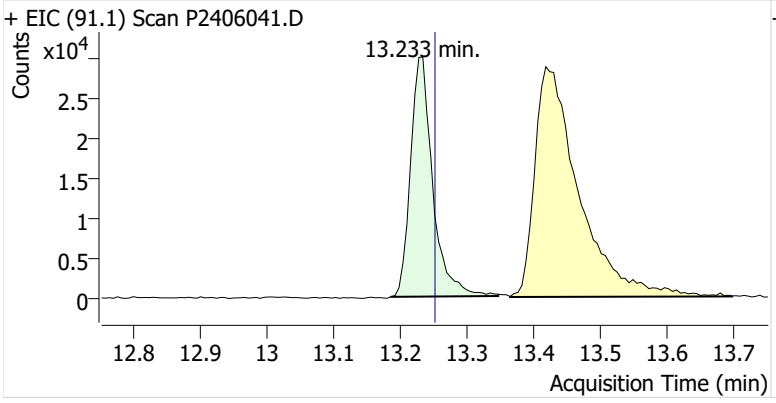


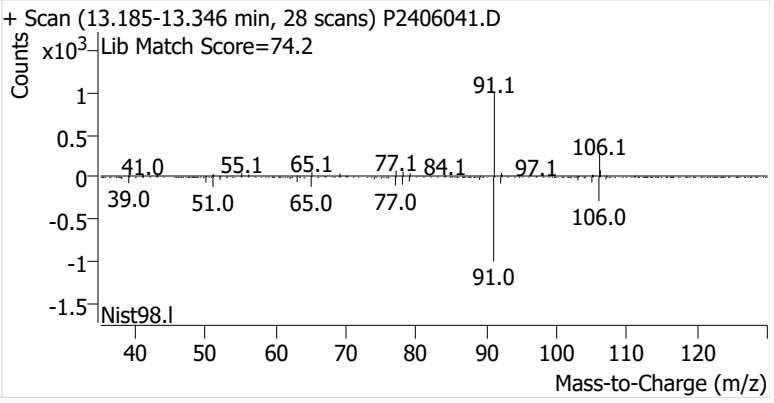
Toluene



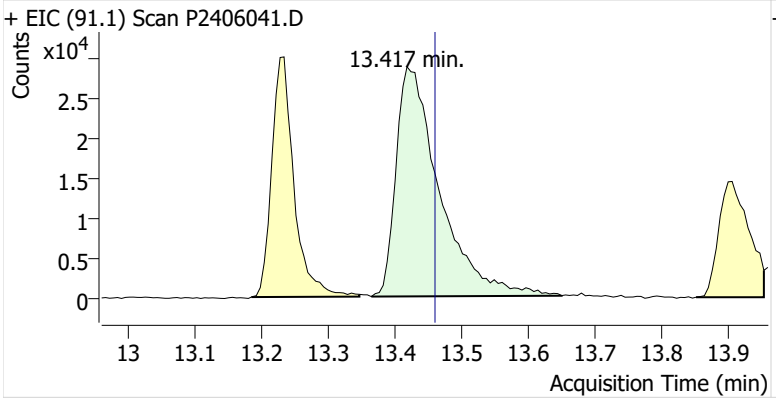


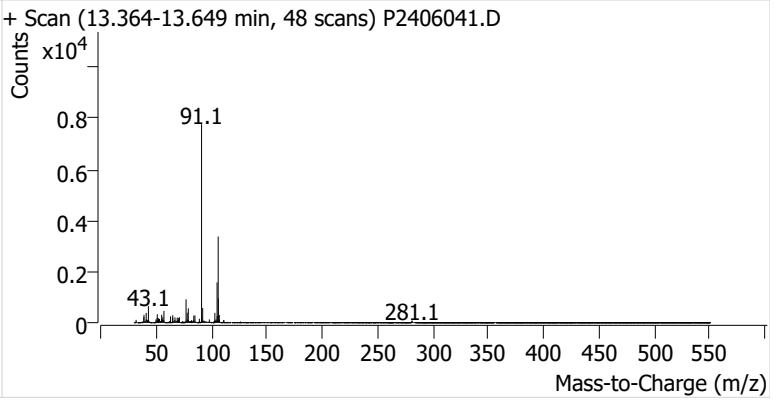
Ethylbenzene



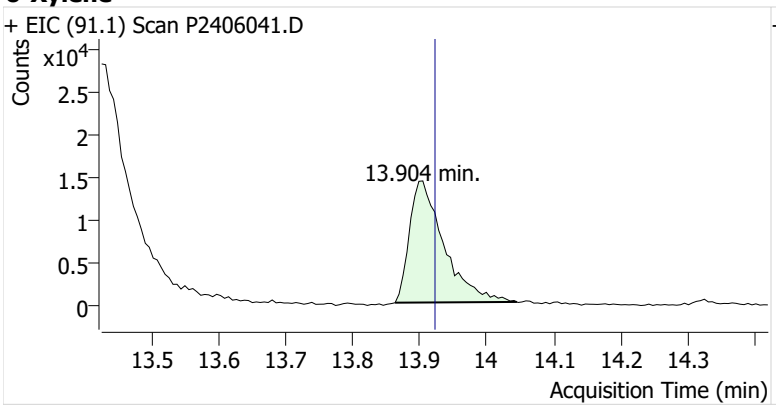


m-/p-Xylene





o-Xylene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Counts
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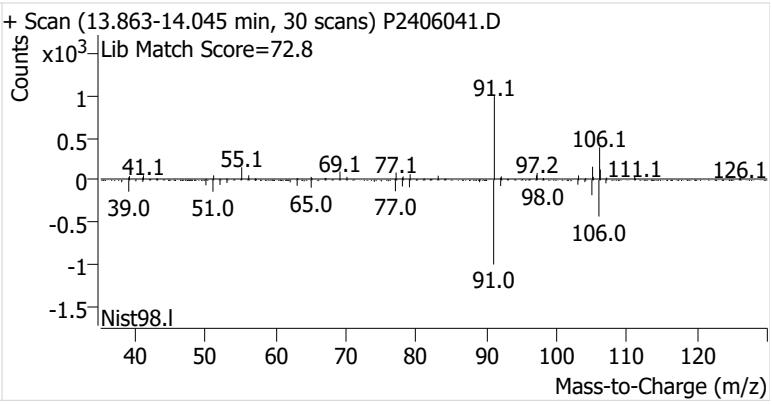
2.5
2
1.5
1
0.5
0
13.904 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.863-14.045 min, 30 scans) P2406041.D
Counts
x10^3
Lib Match Score=72.8
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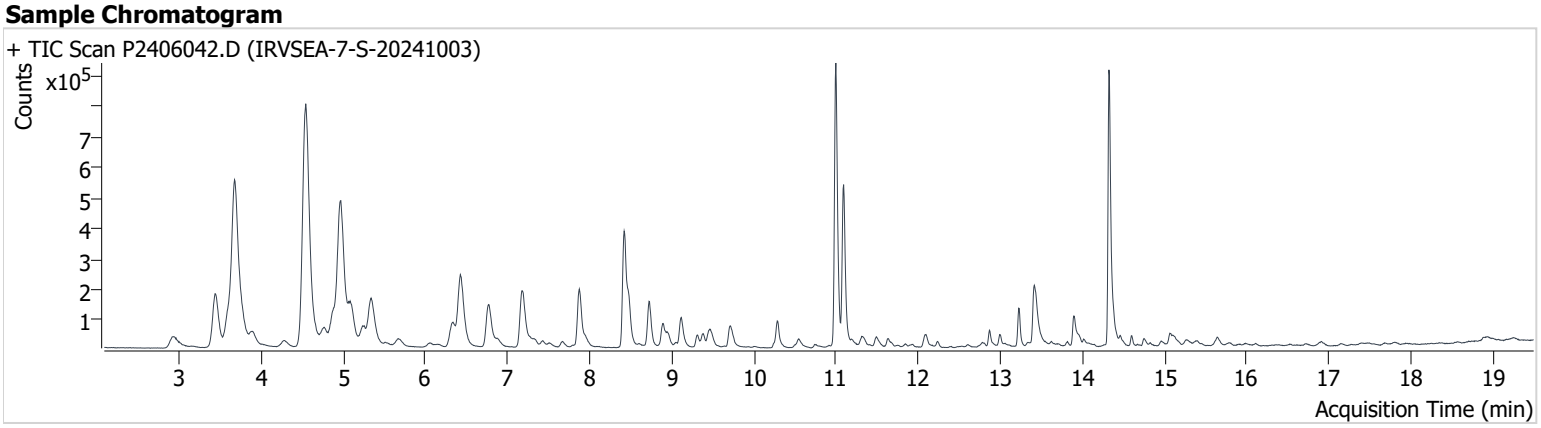
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

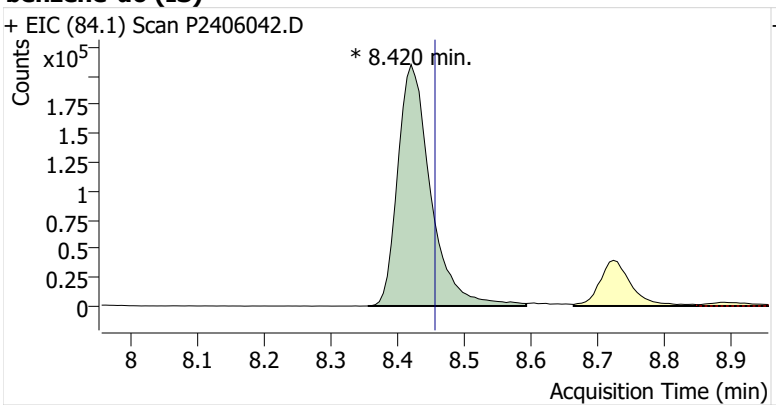
Name	IRVSEA-7-S-20241003
Comment	B20930
Data File	P2406042.D
Acq. Date-Time	10/18/2024 10:35:55 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

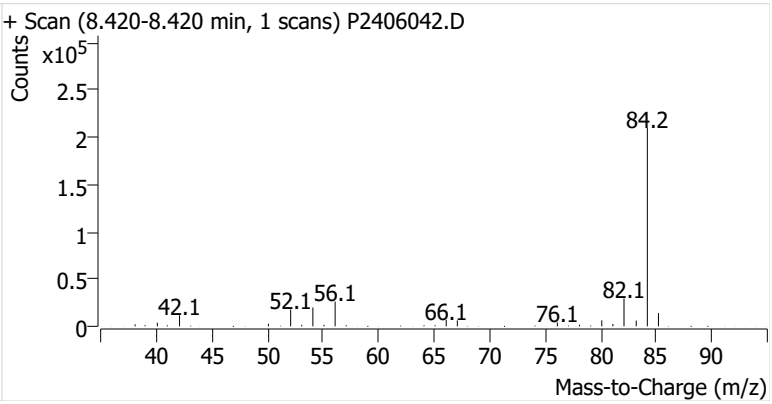
Sample Chromatogram



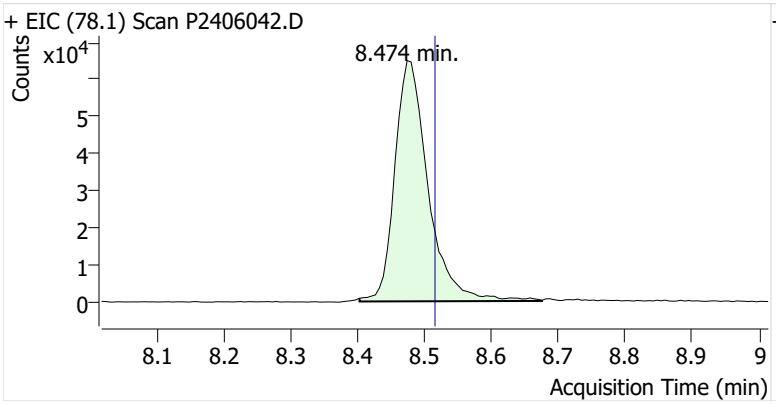
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	716,983	m
Benzene	benzene-d6 (IS)	8.474	8.515	224,733	
Toluene-d8 (IS)		10.996	11.032	1,008,162	
Toluene	Toluene-d8 (IS)	11.091	11.121	618,300	
Ethylbenzene	Toluene-d8 (IS)	13.222	13.252	128,848	
m-/p-Xylene	Toluene-d8 (IS)	13.412	13.459	311,804	
o-Xylene	Toluene-d8 (IS)	13.898	13.922	128,372	

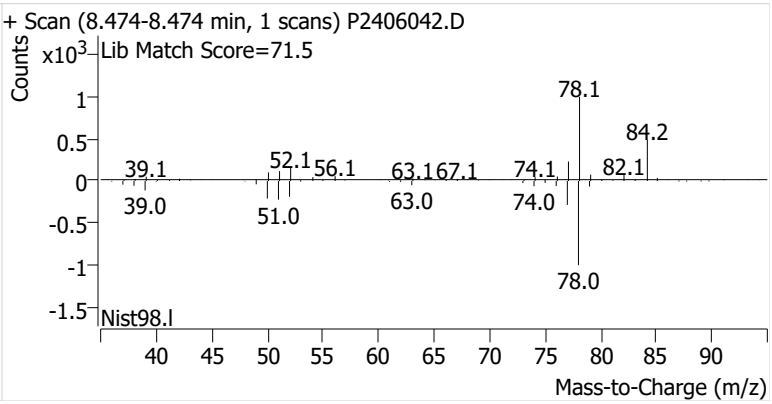
benzene-d6 (IS)



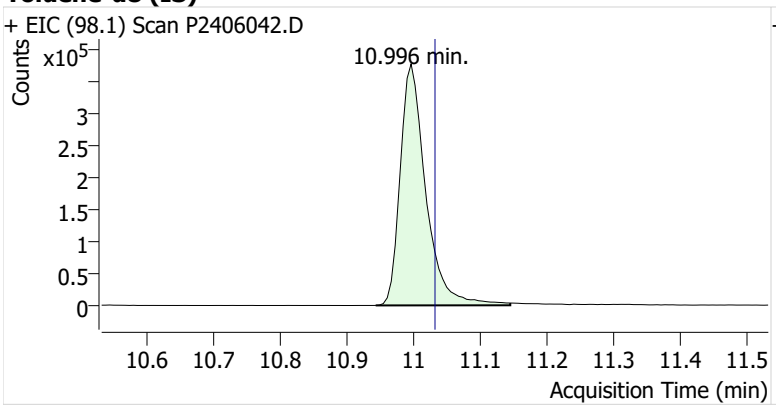


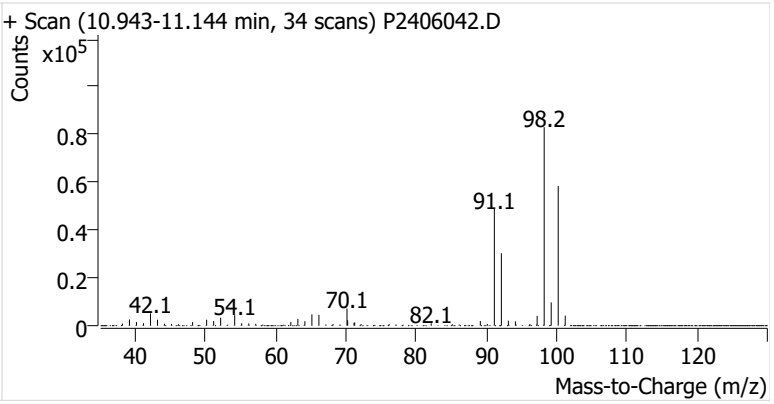
Benzene



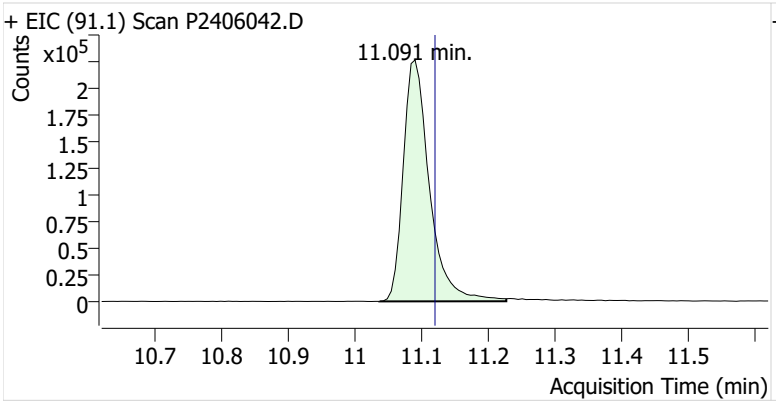


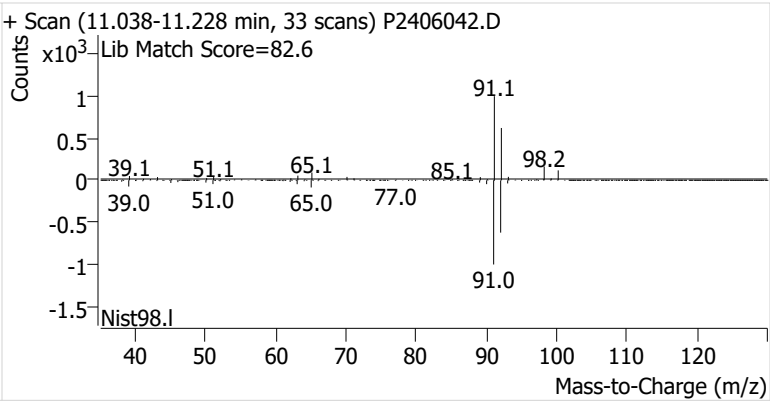
Toluene-d8 (IS)



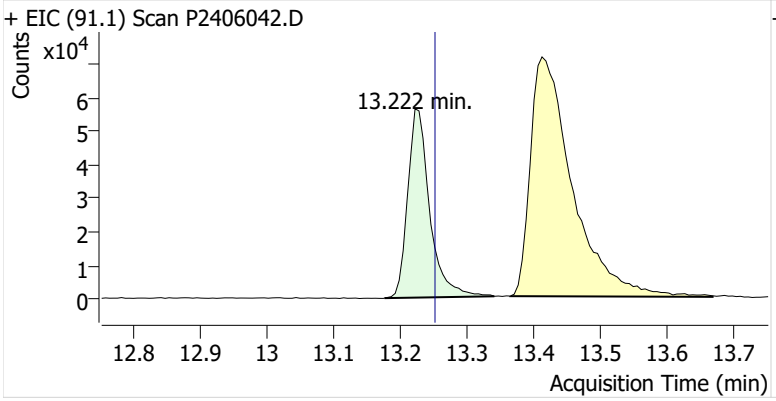


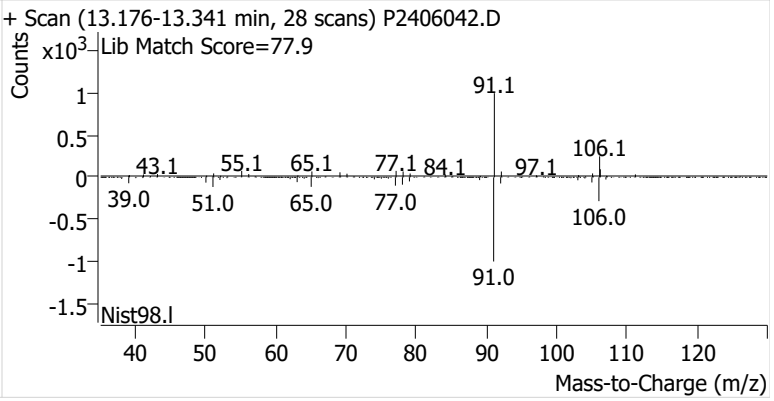
Toluene



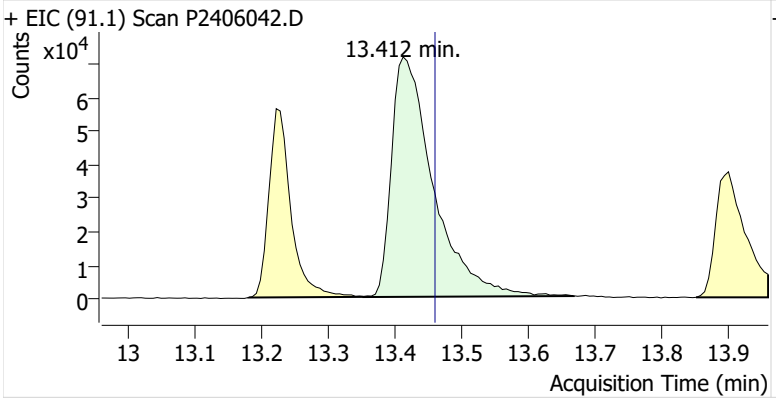


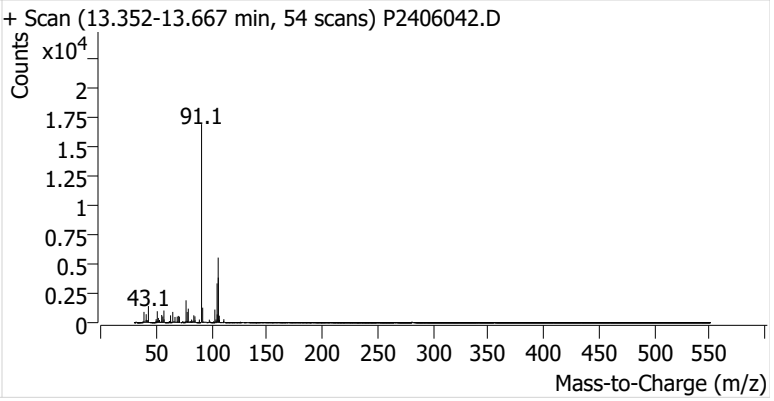
Ethylbenzene



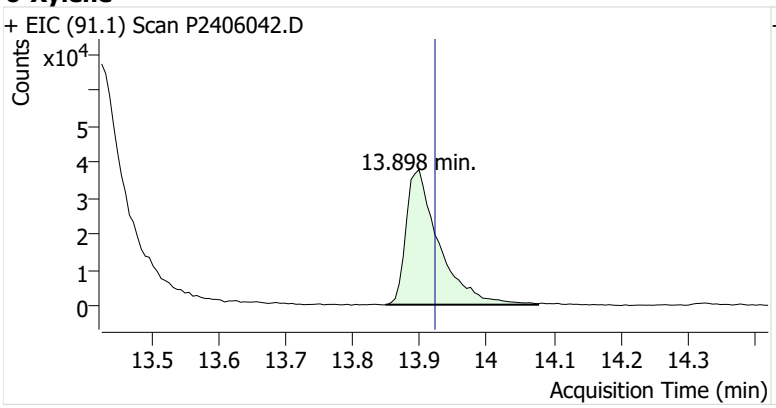


m-/p-Xylene





o-Xylene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x10^4
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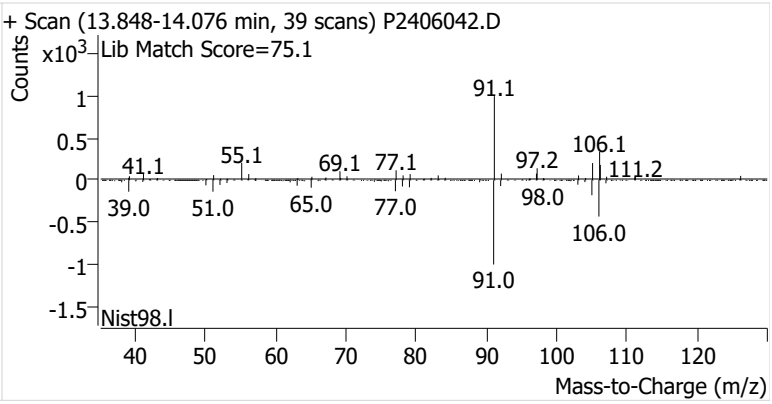
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)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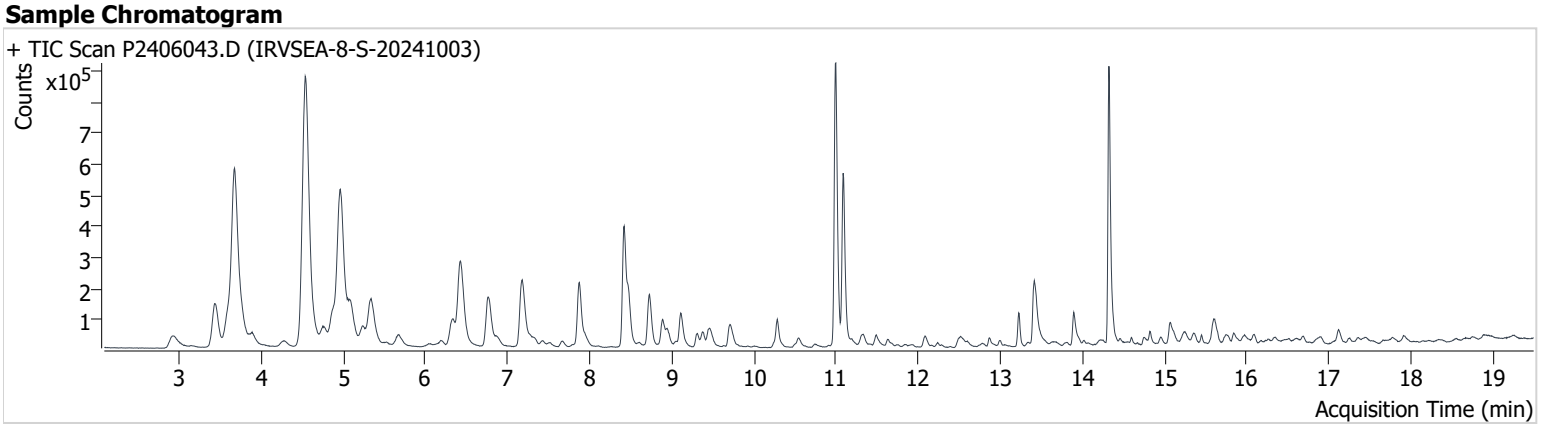
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

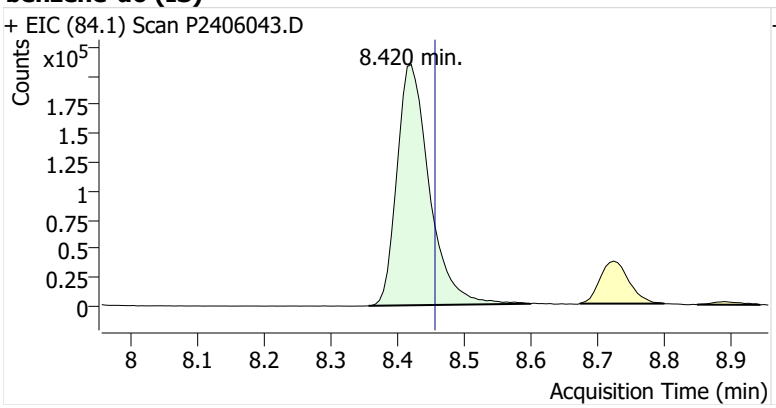
Name	IRVSEA-8-S-20241003
Comment	C43341
Data File	P2406043.D
Acq. Date-Time	10/18/2024 11:13:12 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

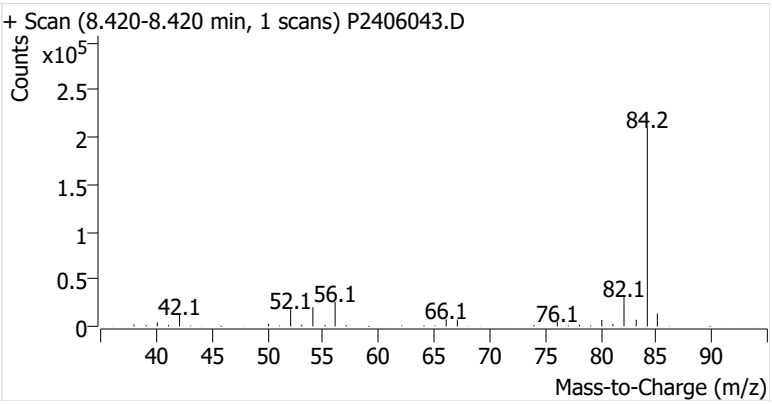
Sample Chromatogram



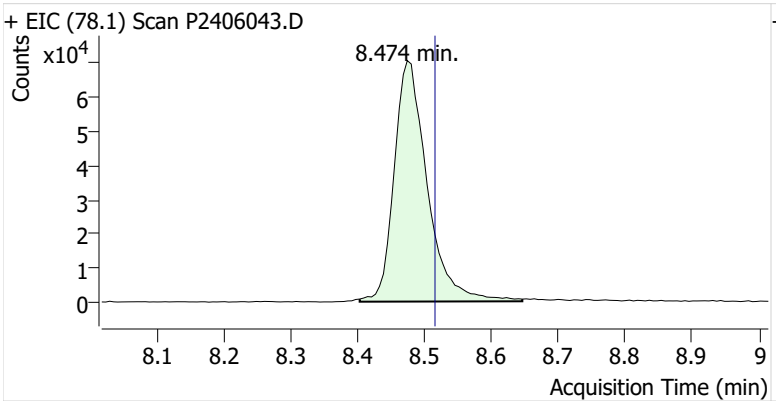
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	705,539	
Benzene	benzene-d6 (IS)	8.474	8.515	242,436	
Toluene-d8 (IS)		10.990	11.032	1,021,527	
Toluene	Toluene-d8 (IS)	11.085	11.121	641,001	
Ethylbenzene	Toluene-d8 (IS)	13.222	13.252	108,690	
m-/p-Xylene	Toluene-d8 (IS)	13.412	13.459	306,815	
o-Xylene	Toluene-d8 (IS)	13.893	13.922	124,585	

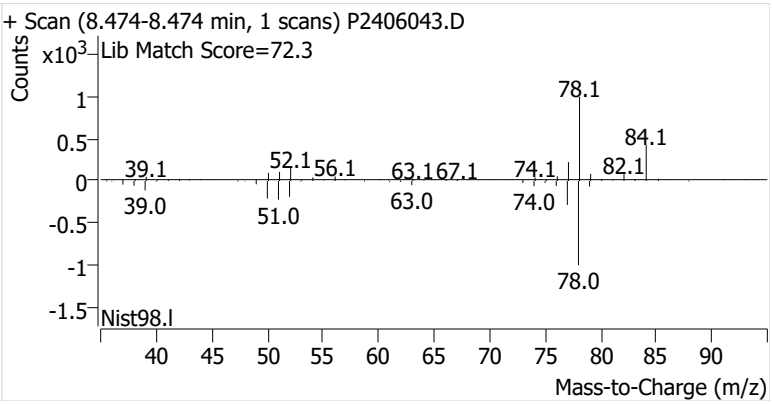
benzene-d6 (IS)



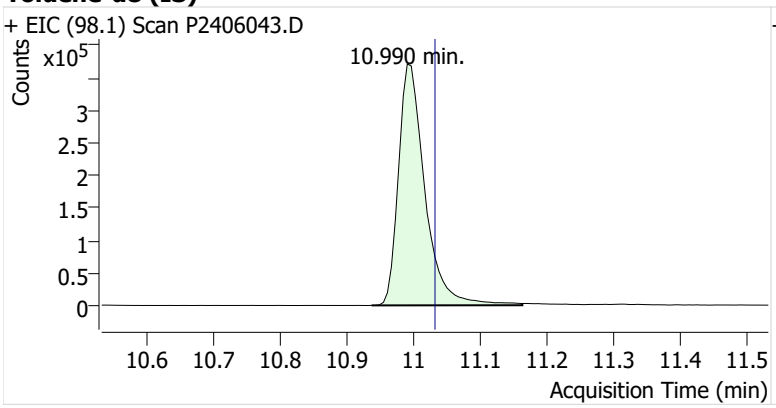


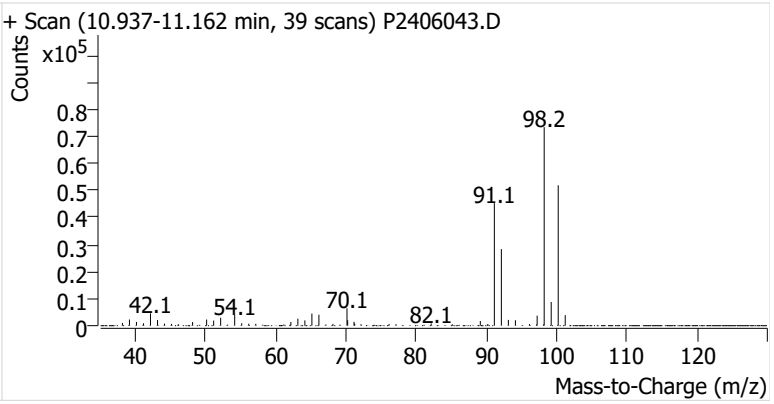
Benzene



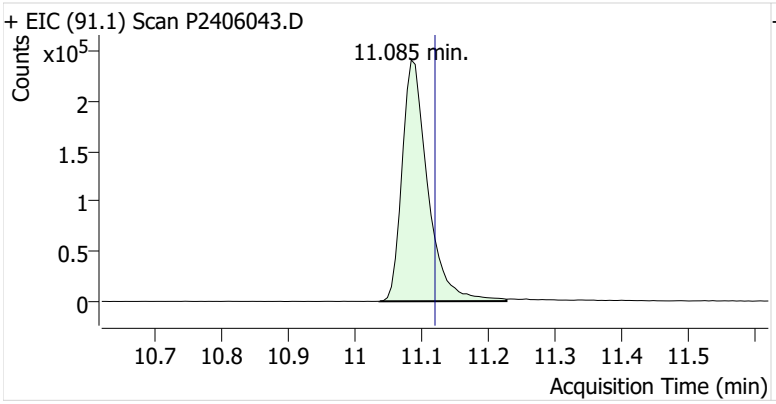


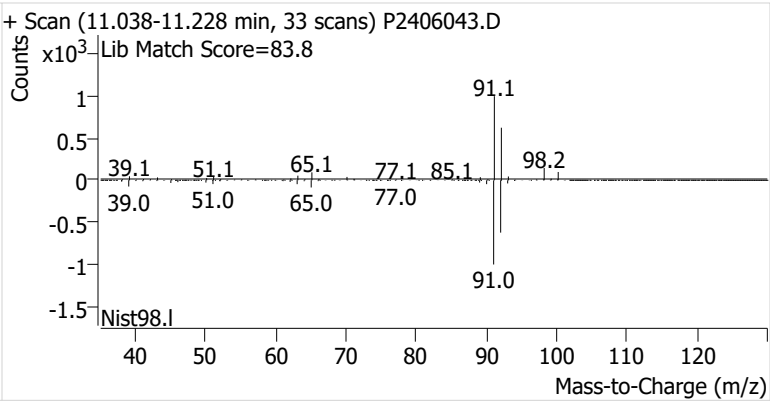
Toluene-d8 (IS)



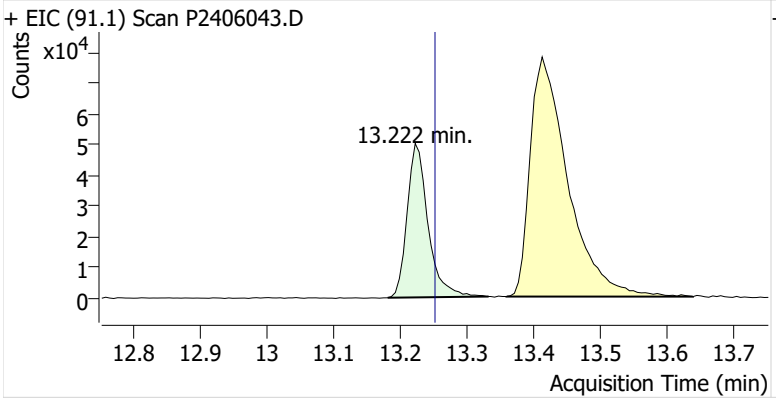


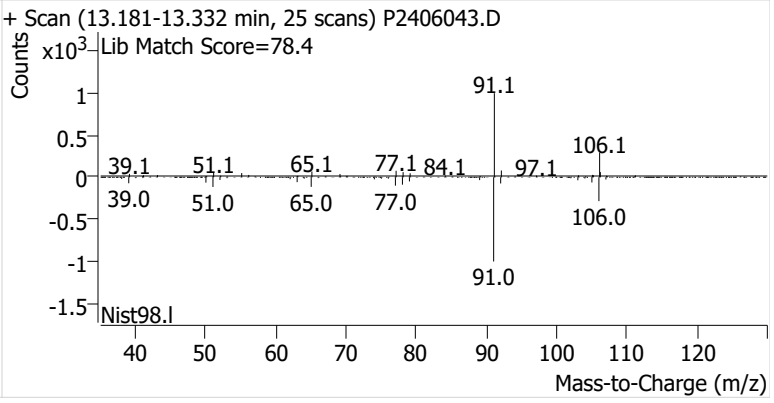
Toluene



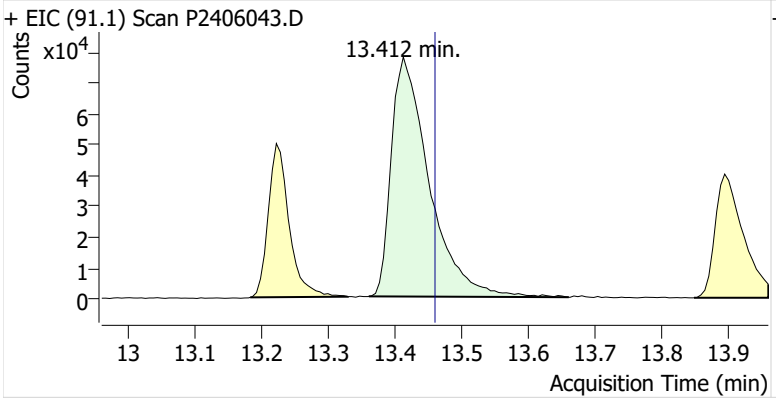


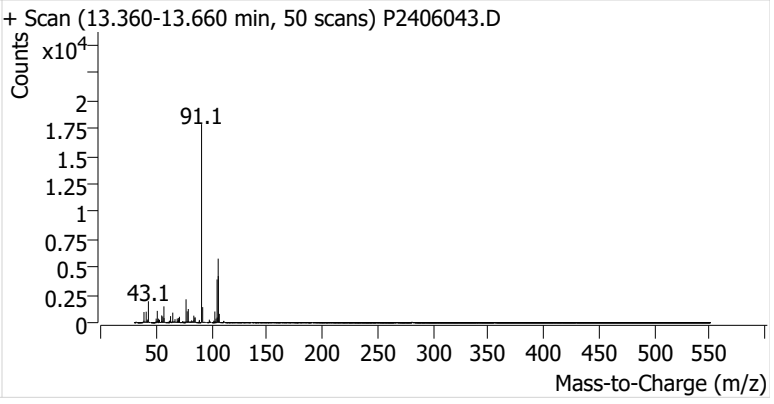
Ethylbenzene



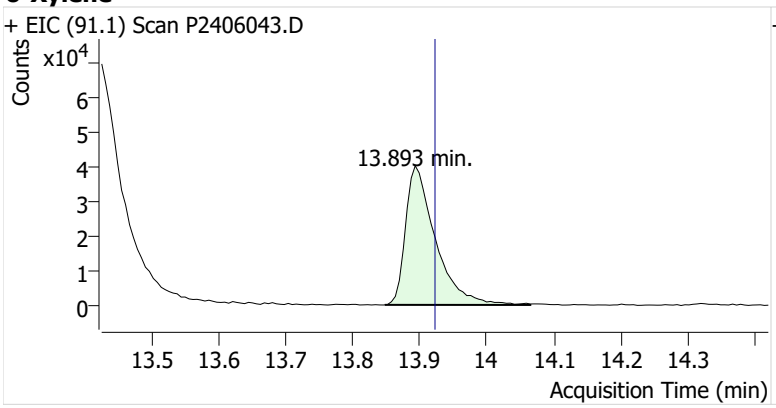


m-/p-Xylene





o-Xylene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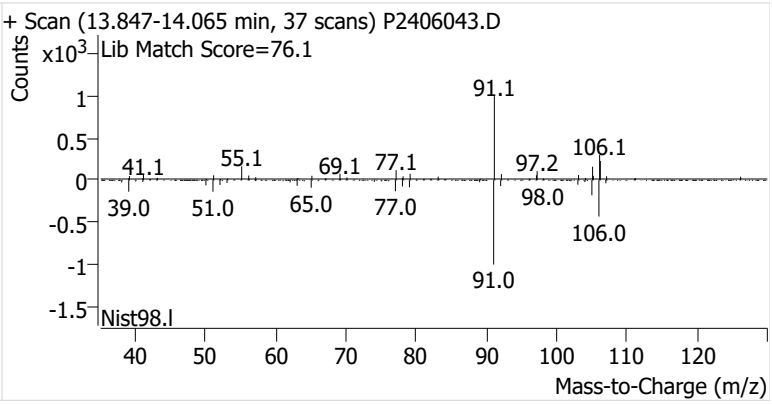
5
4
3
2
1
0
13.893 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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x10^3
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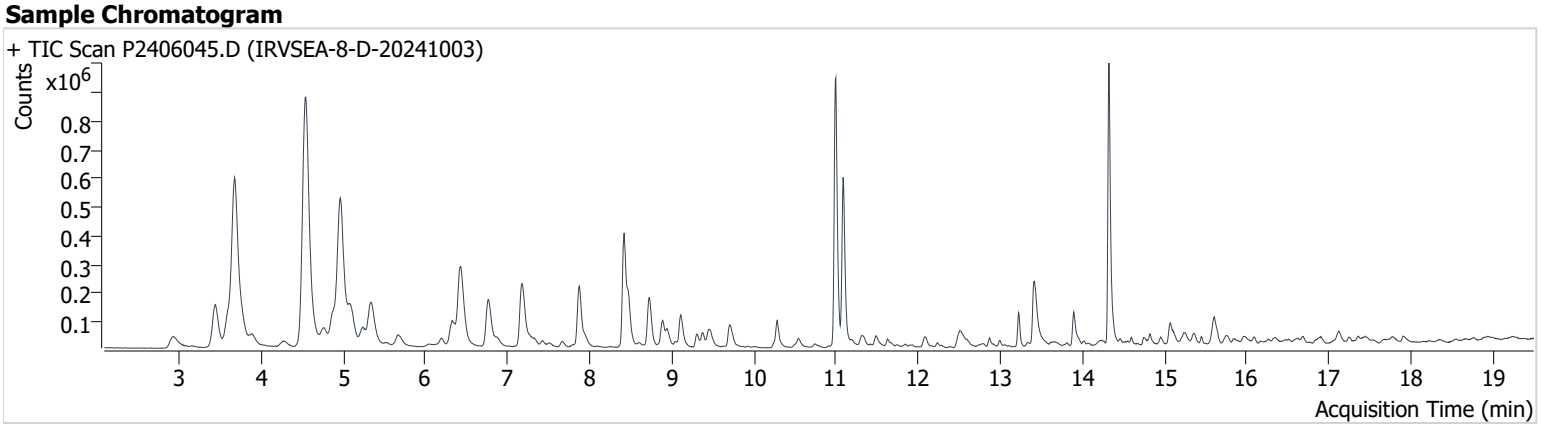
0
-0.5
-1
-1.5
91.1
41.1
55.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

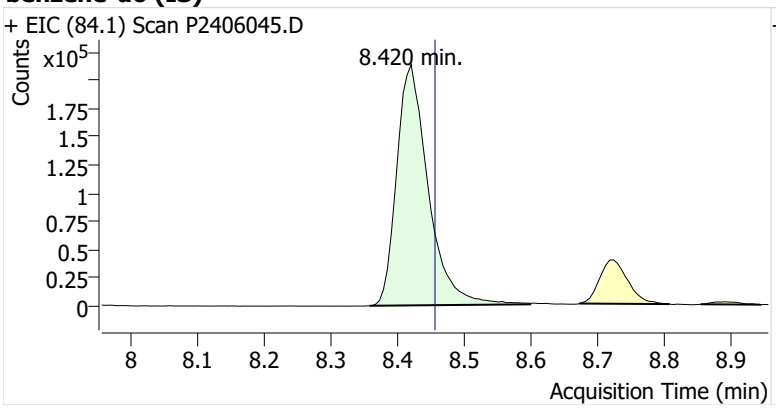
Name	IRVSEA-8-D-20241003
Comment	C43310
Data File	P2406045.D
Acq. Date-Time	10/19/2024 12:27:48 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

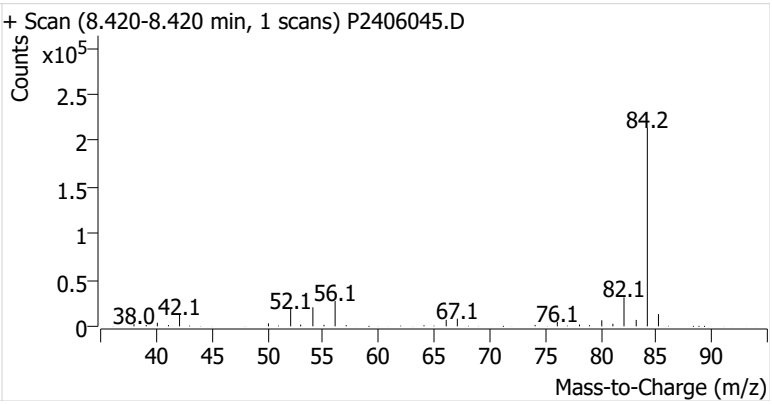
Sample Chromatogram



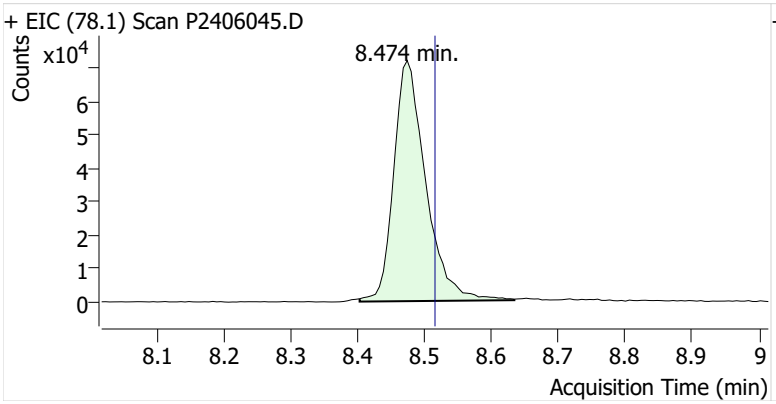
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	699,178	
Benzene	benzene-d6 (IS)	8.474	8.515	240,051	
Toluene-d8 (IS)		10.996	11.032	1,011,759	
Toluene	Toluene-d8 (IS)	11.085	11.121	669,830	
Ethylbenzene	Toluene-d8 (IS)	13.222	13.252	115,092	
m-/p-Xylene	Toluene-d8 (IS)	13.412	13.459	330,050	
o-Xylene	Toluene-d8 (IS)	13.893	13.922	135,650	

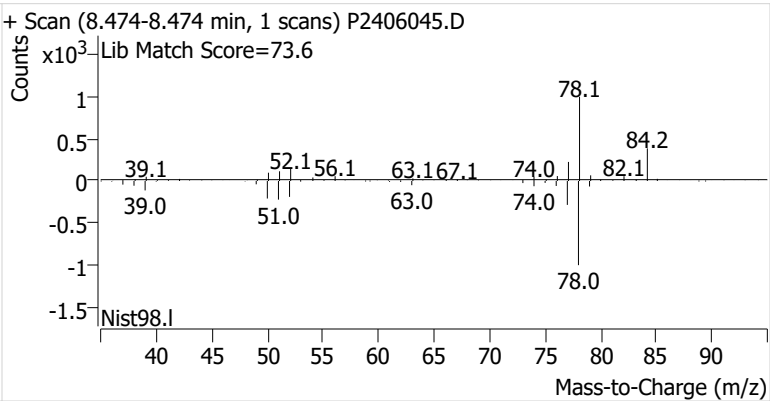
benzene-d6 (IS)



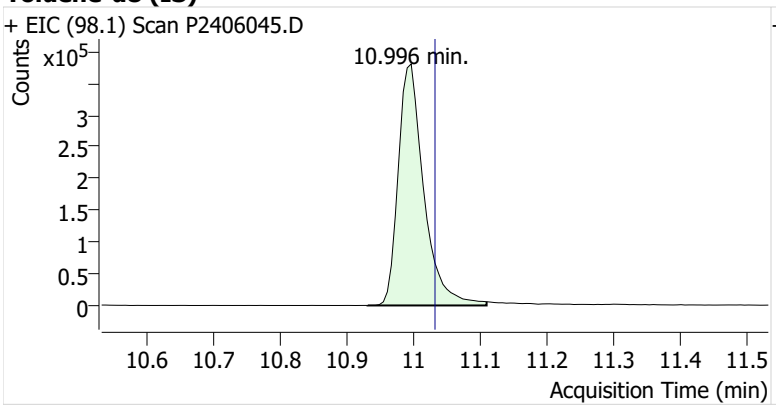


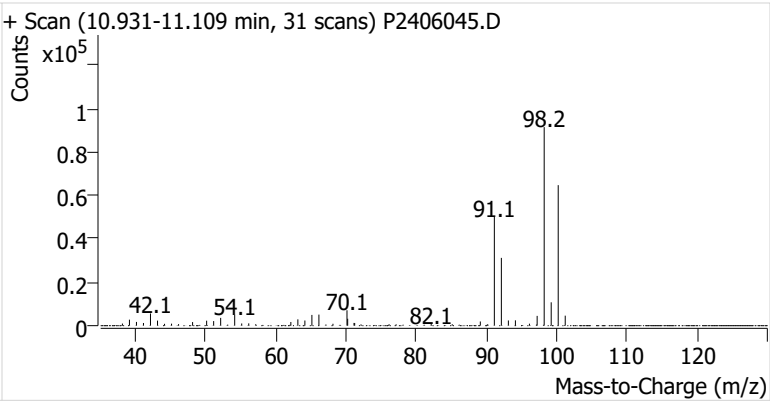
Benzene



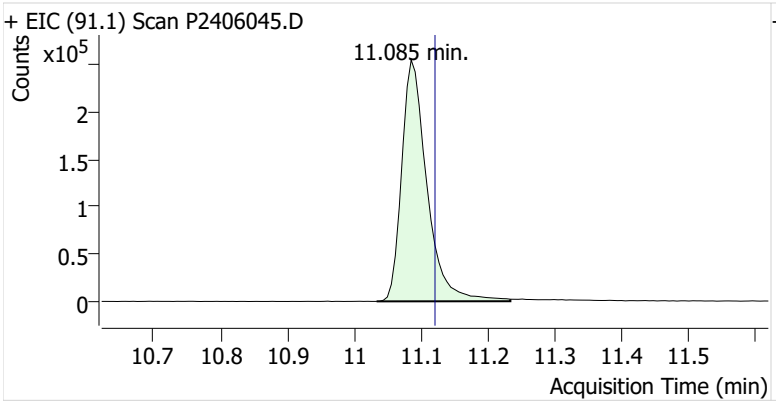


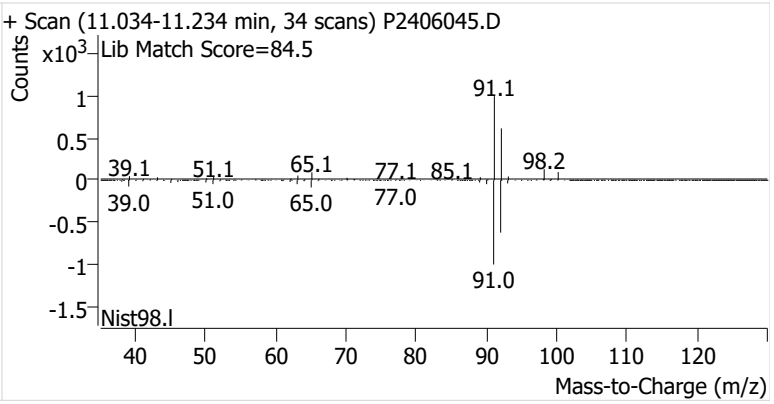
Toluene-d8 (IS)



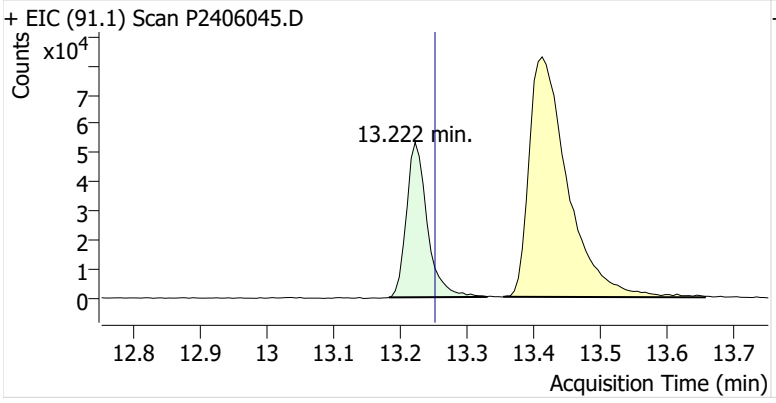


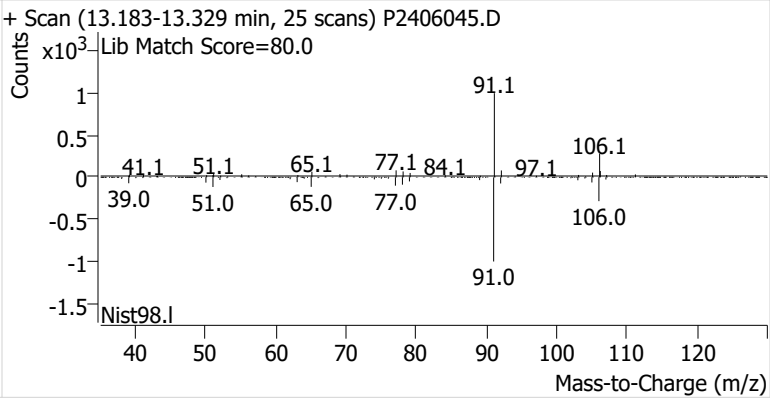
Toluene



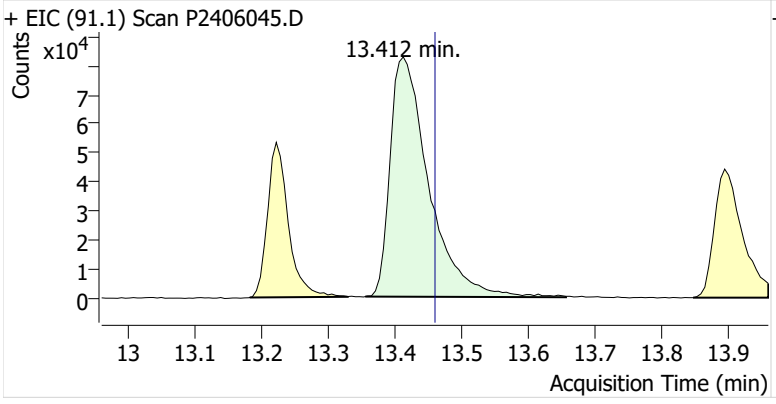


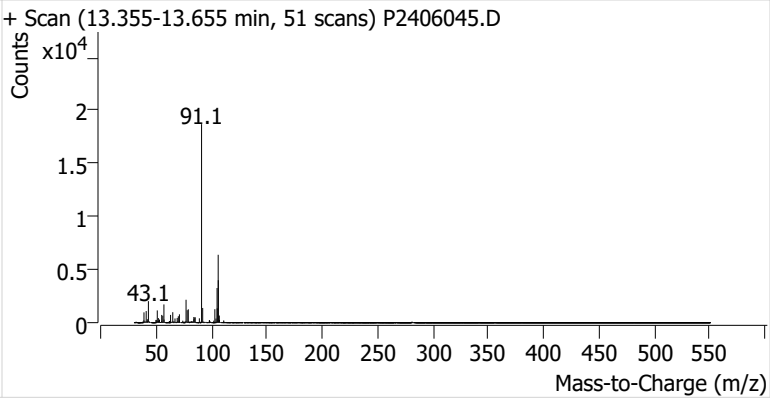
Ethylbenzene



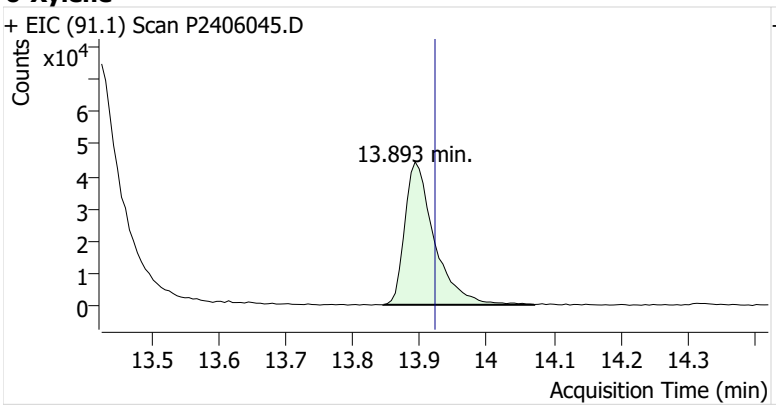


m-/p-Xylene





o-Xylene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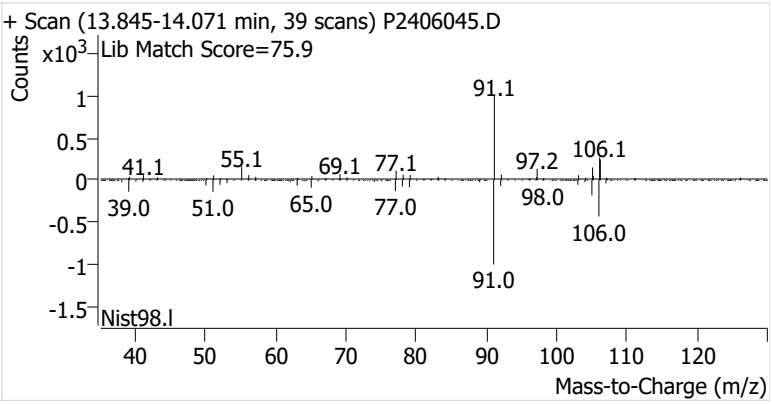
Counts
x10^4
13.893 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.845-14.071 min, 39 scans) P2406045.D
Lib Match Score=75.9
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x10^3
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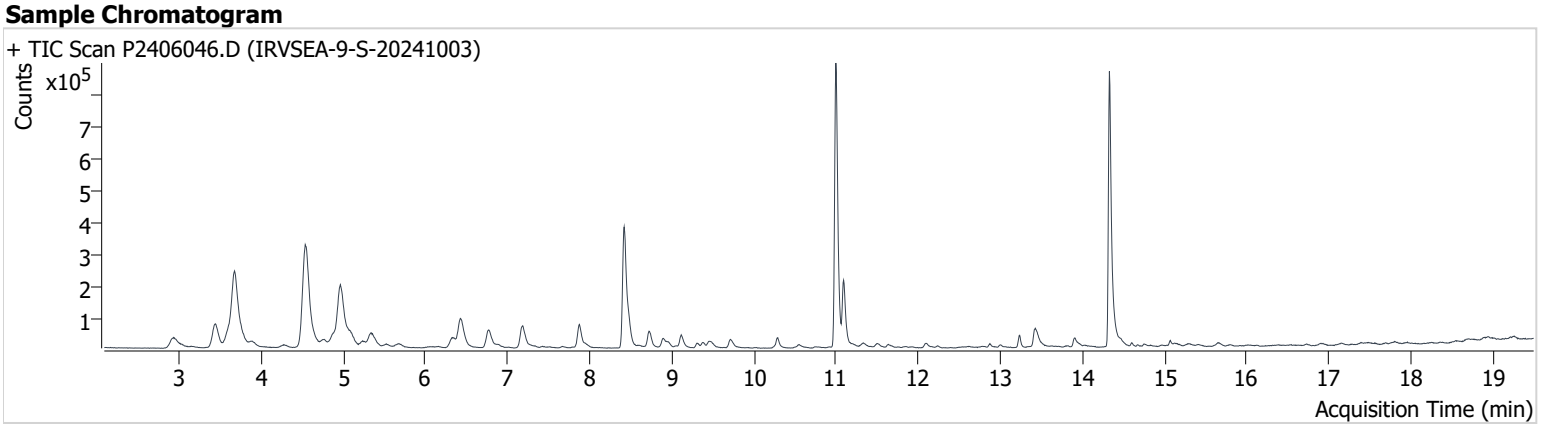
41.1
55.1
69.1
77.1
97.2
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

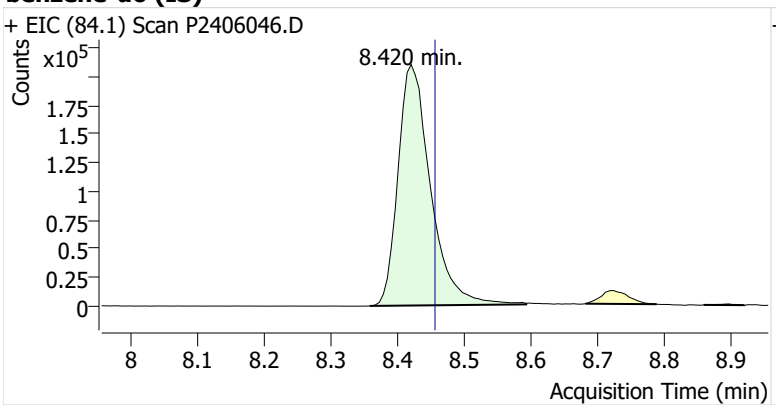
Name	IRVSEA-9-S-20241003
Comment	B43644
Data File	P2406046.D
Acq. Date-Time	10/19/2024 1:05:06 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

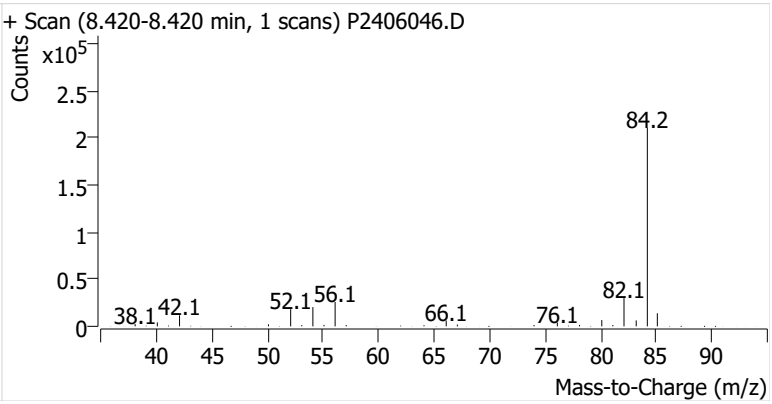
Sample Chromatogram



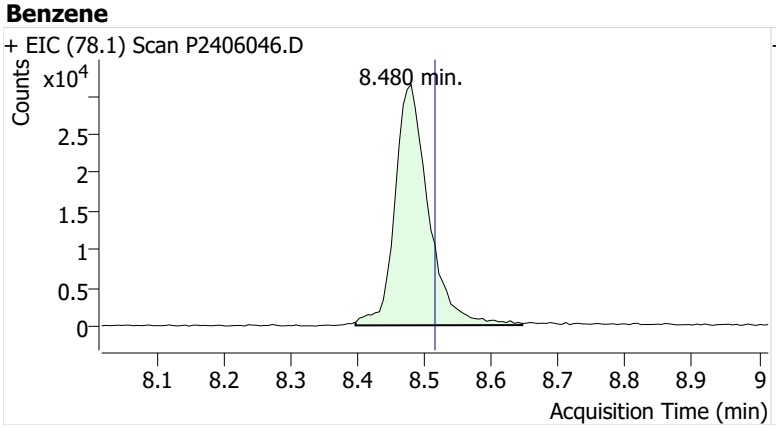
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	709,063	
Benzene	benzene-d6 (IS)	8.480	8.515	109,373	
Toluene-d8 (IS)		10.996	11.032	1,011,440	
Toluene	Toluene-d8 (IS)	11.091	11.121	235,282	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	39,950	
m-/p-Xylene	Toluene-d8 (IS)	13.424	13.459	99,963	
o-Xylene	Toluene-d8 (IS)	13.910	13.922	41,774	

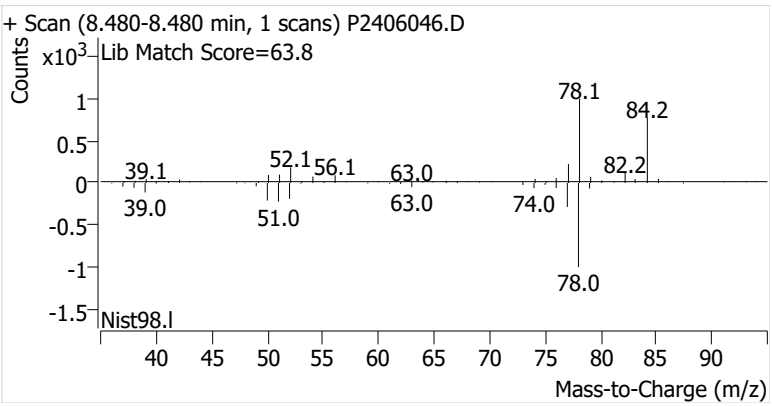
benzene-d6 (IS)



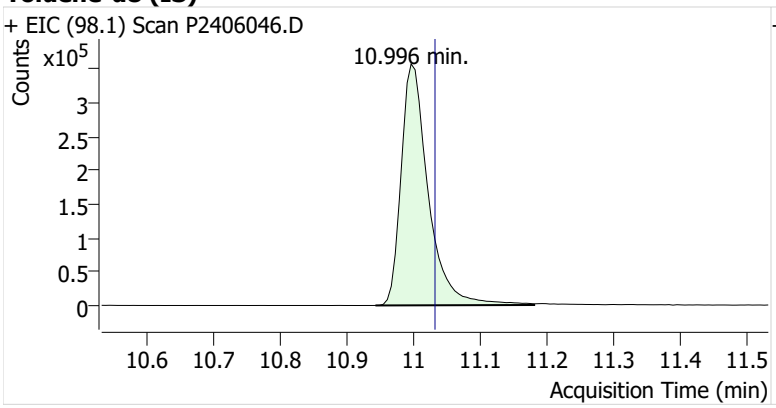


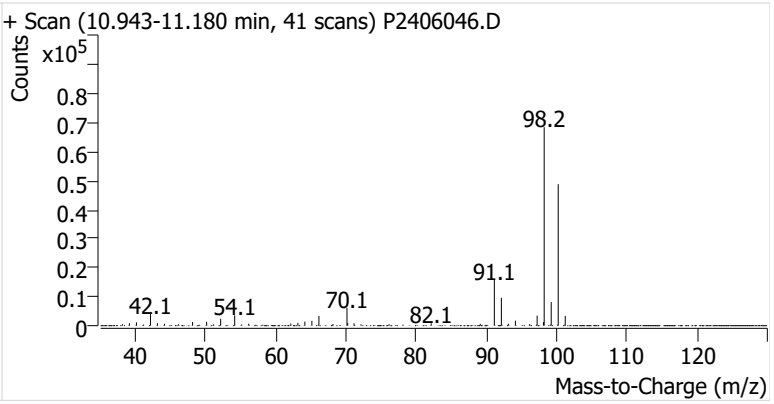
Benzene



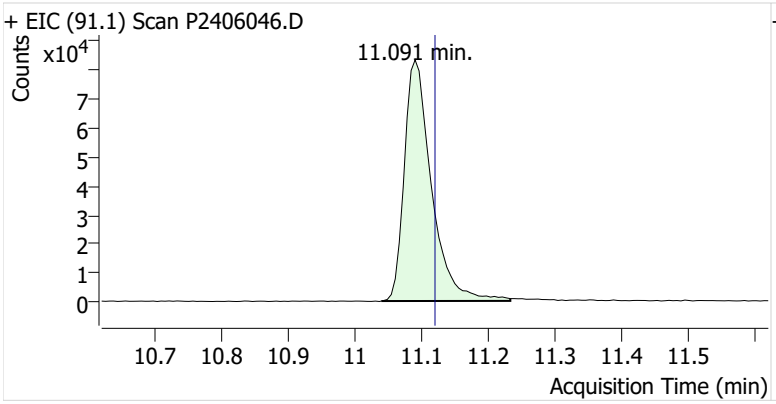


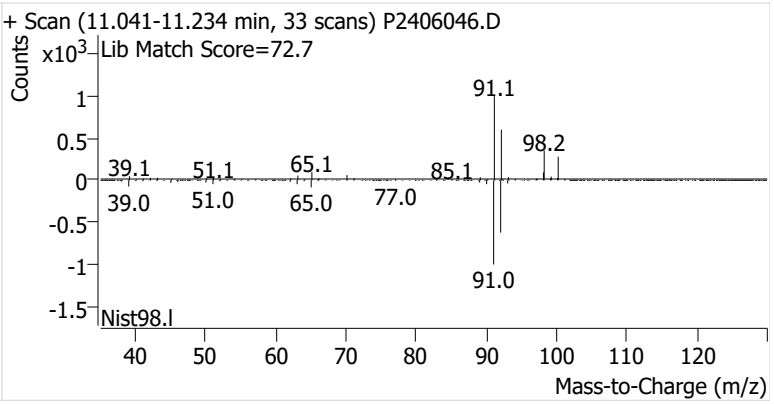
Toluene-d8 (IS)



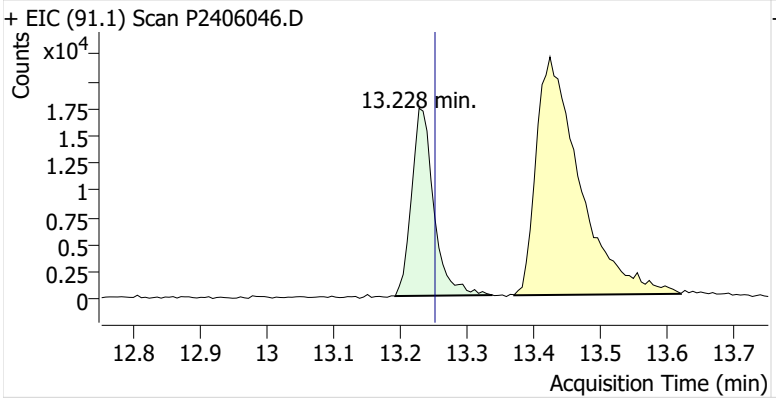


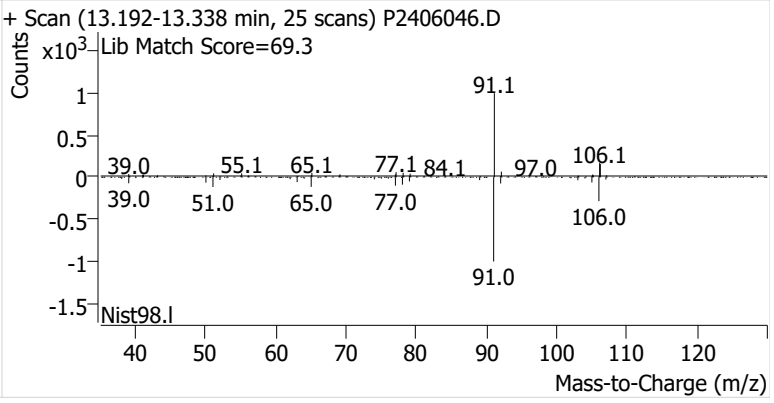
Toluene



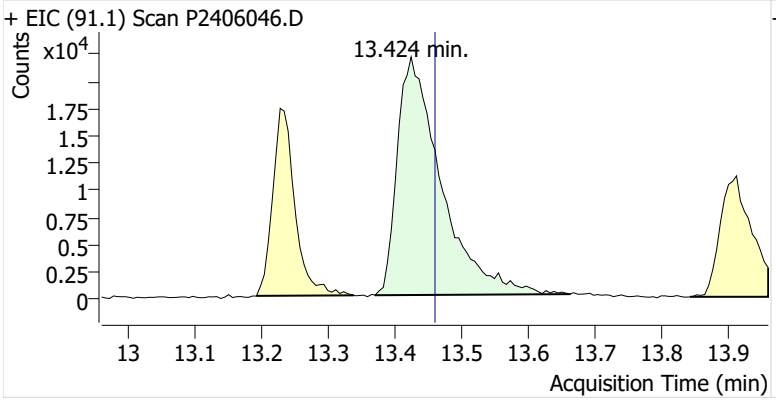


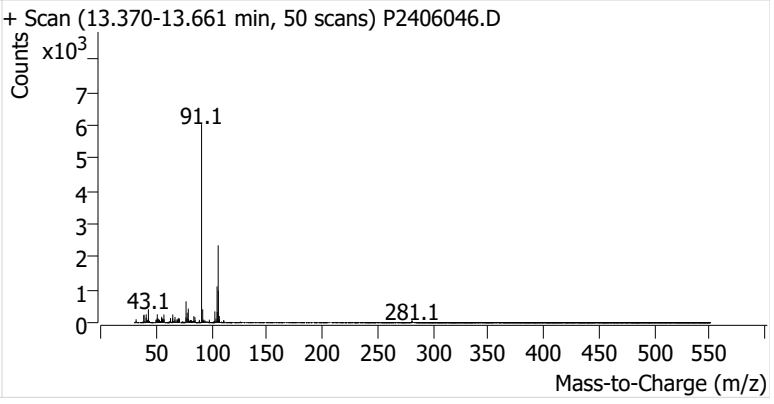
Ethylbenzene



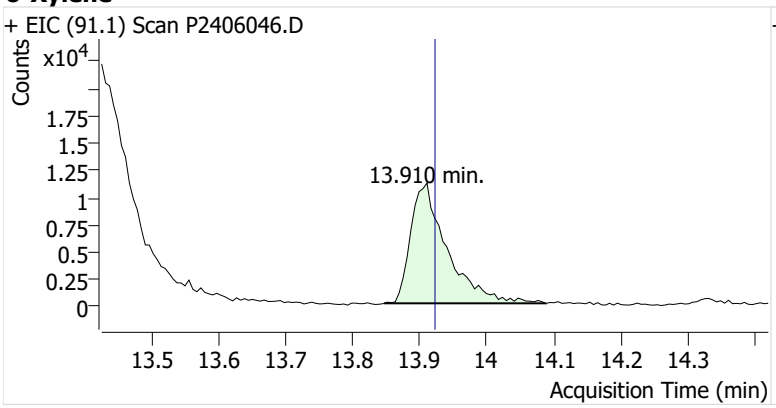


m-/p-Xylene





o-Xylene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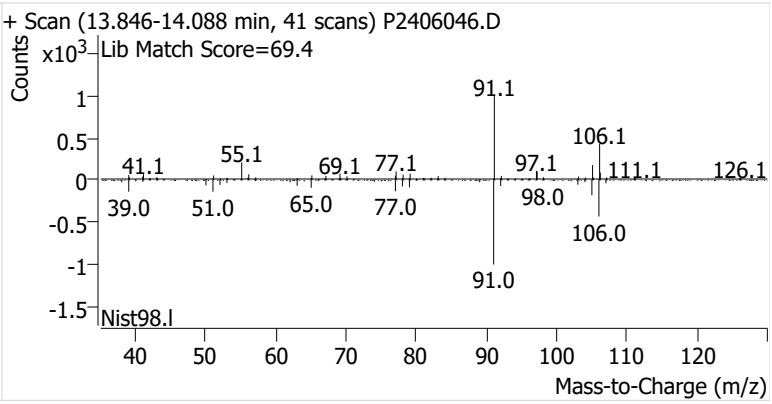
1.25
1
0.75
0.5
0.25
0
13.910 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.846-14.088 min, 41 scans) P2406046.D
Lib Match Score=69.4
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x10^3
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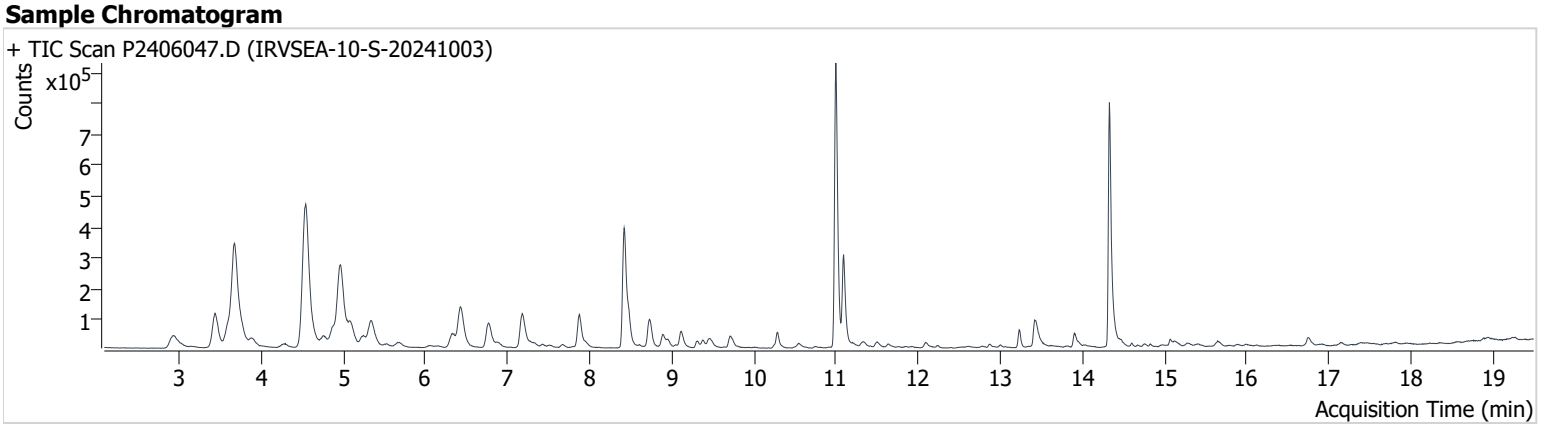
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

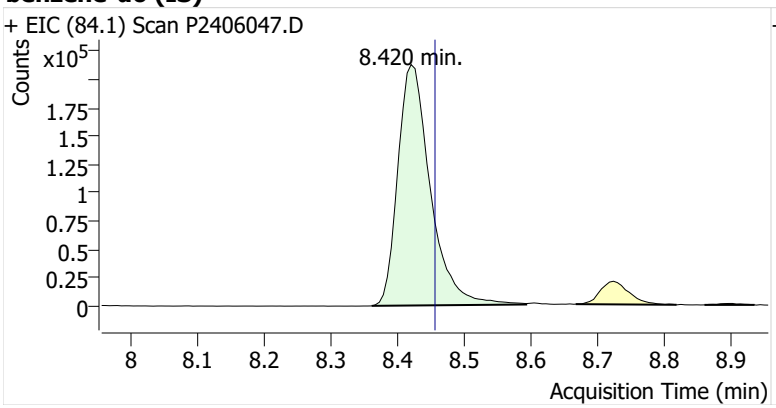
Name	IRVSEA-10-S-20241003
Comment	B20105
Data File	P2406047.D
Acq. Date-Time	10/19/2024 1:42:25 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

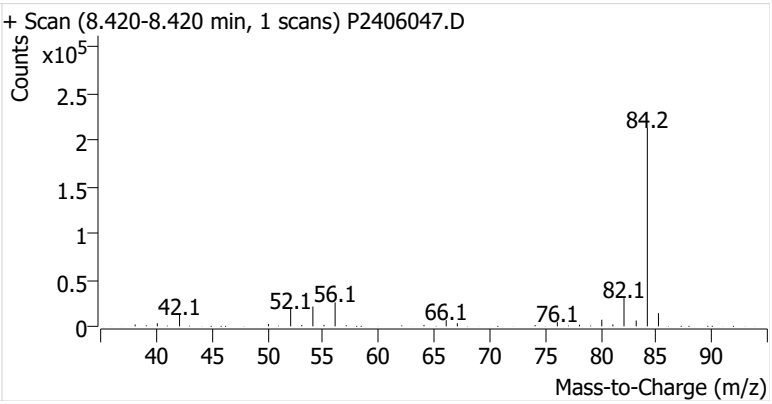
Sample Chromatogram



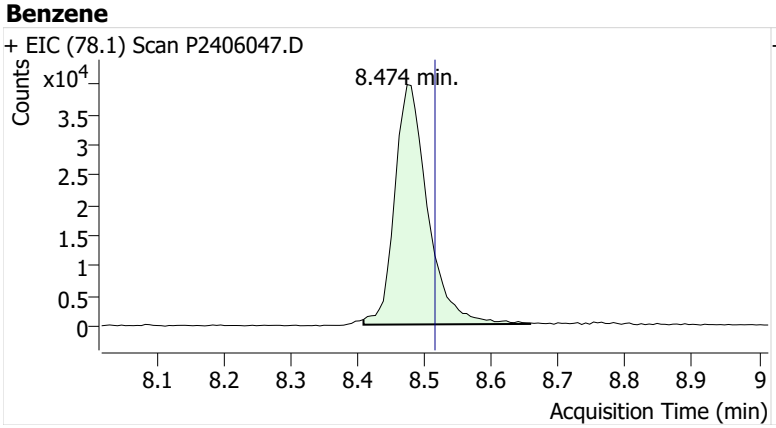
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	718,445	
Benzene	benzene-d6 (IS)	8.474	8.515	136,526	
Toluene-d8 (IS)		10.996	11.032	1,025,851	
Toluene	Toluene-d8 (IS)	11.091	11.121	337,991	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	65,608	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	149,833	
o-Xylene	Toluene-d8 (IS)	13.898	13.922	61,934	

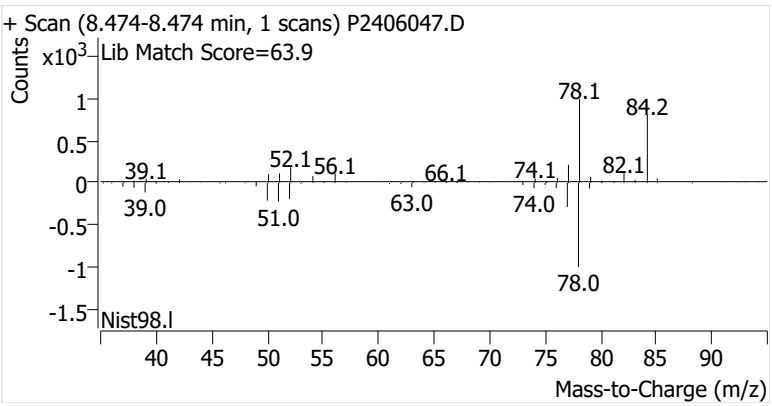
benzene-d6 (IS)



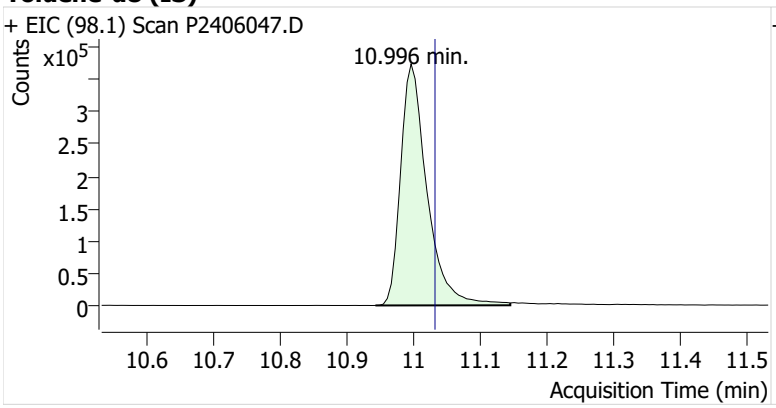


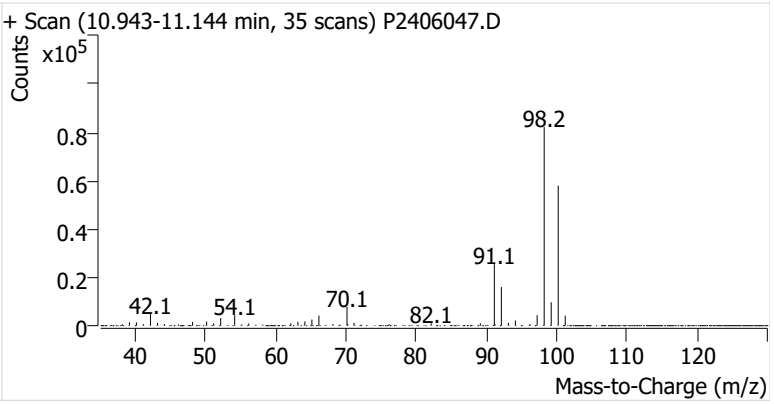
Benzene



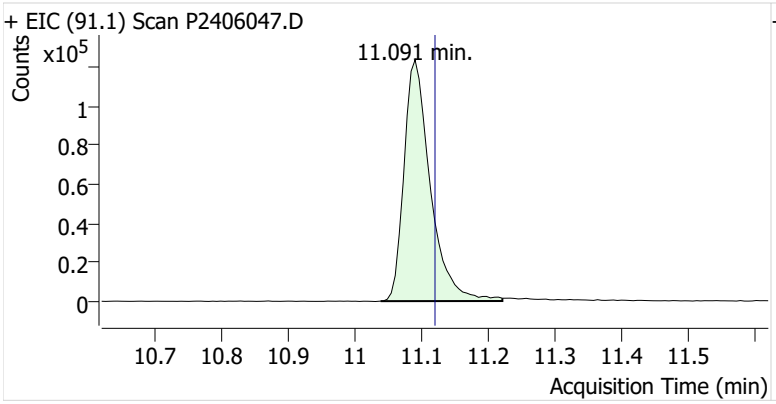


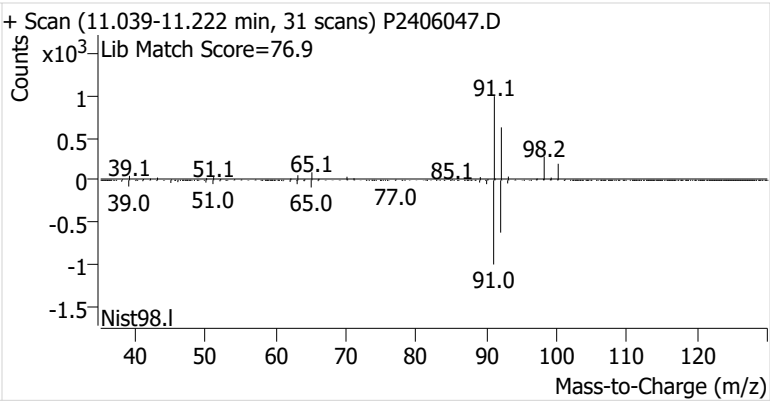
Toluene-d8 (IS)



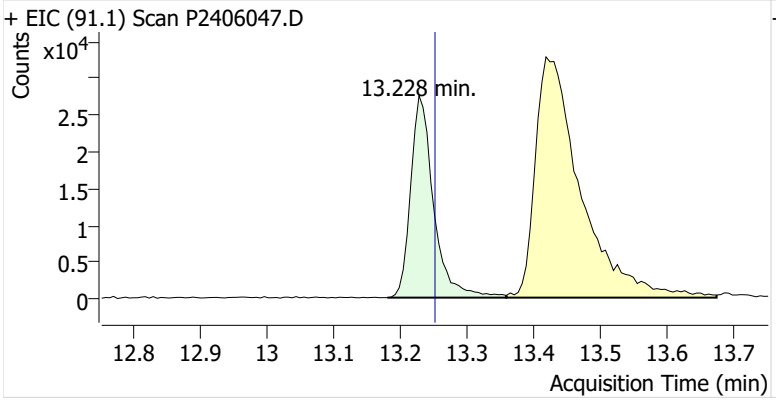


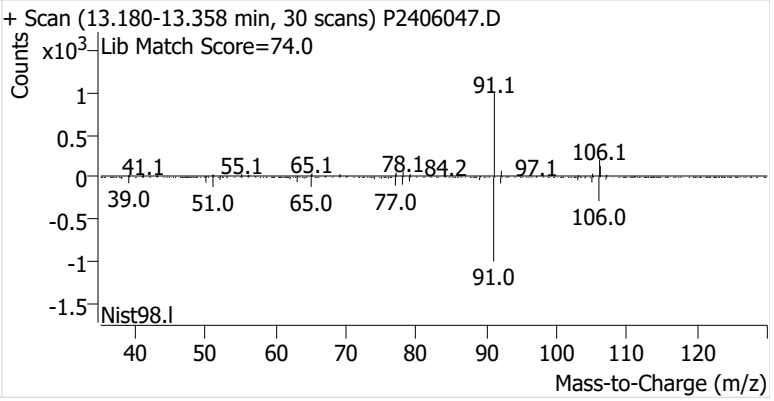
Toluene



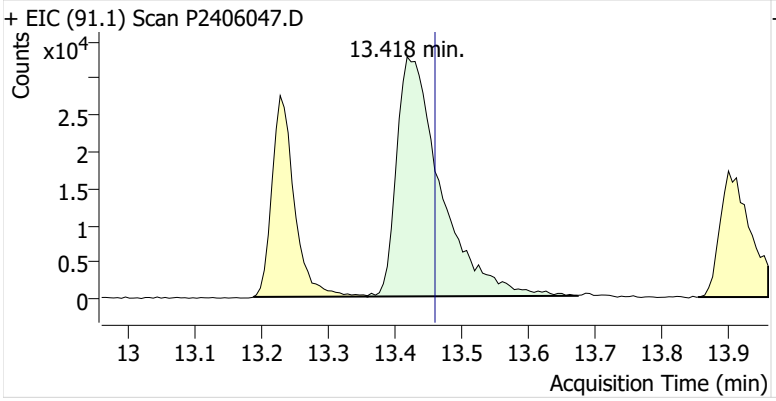


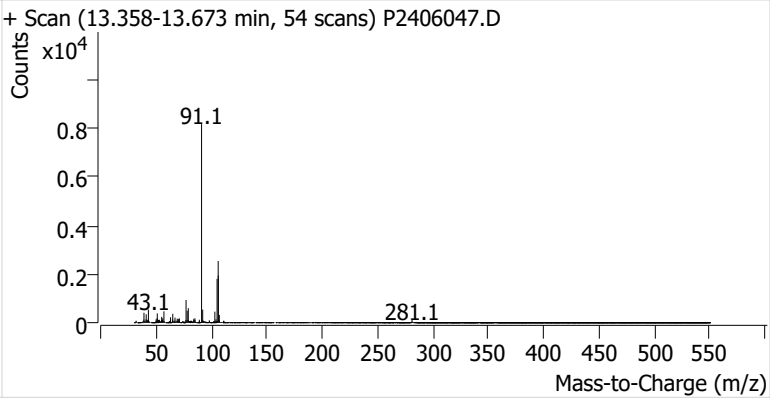
Ethylbenzene



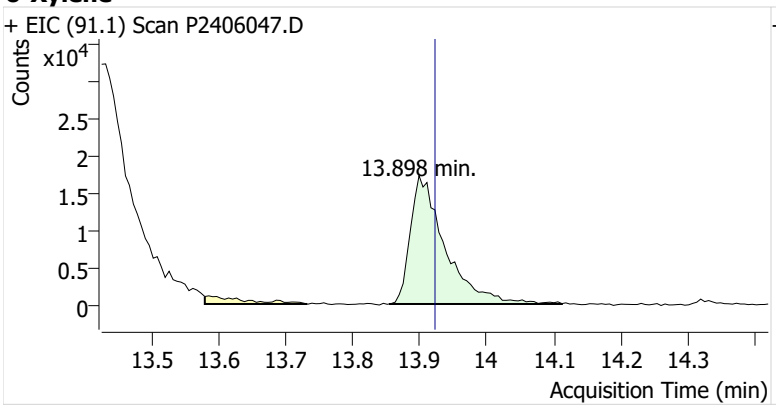


m-/p-Xylene





o-Xylene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Counts
x10^4
2.5
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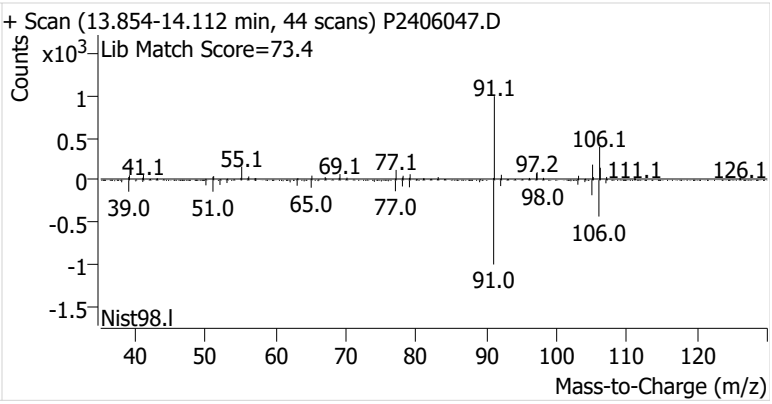
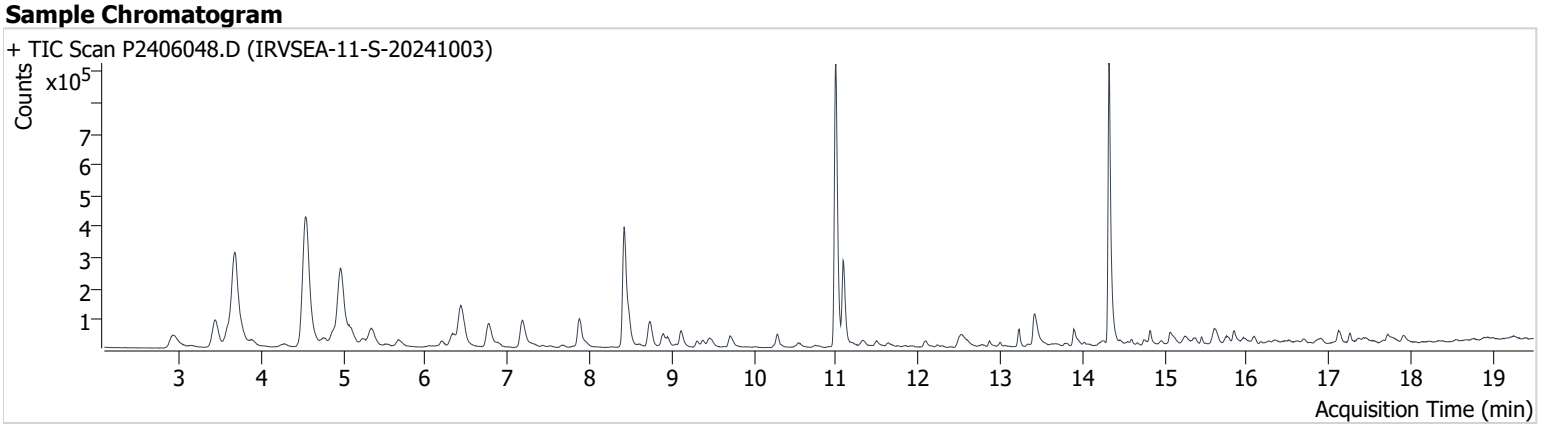
1.5
1
0.5
0
13.898 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.854-14.112 min, 44 scans) P2406047.D
Lib Match Score=73.4
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

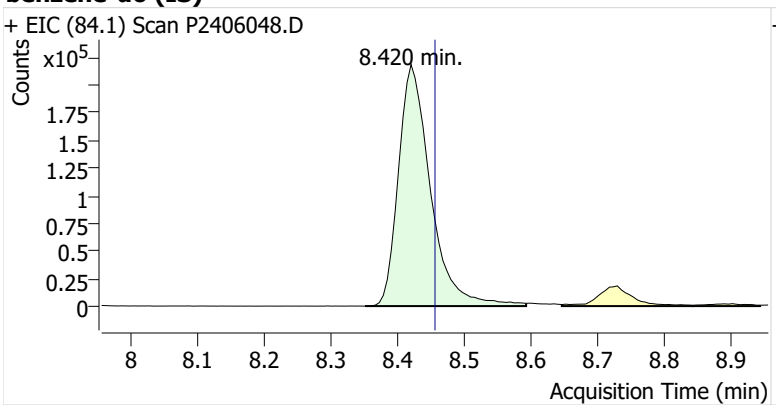
Name	IRVSEA-11-S-20241003
Comment	C43364
Data File	P2406048.D
Acq. Date-Time	10/19/2024 2:19:42 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

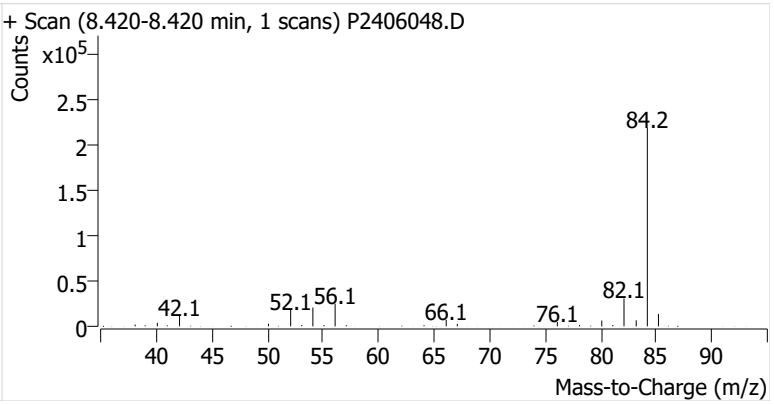
Sample Chromatogram



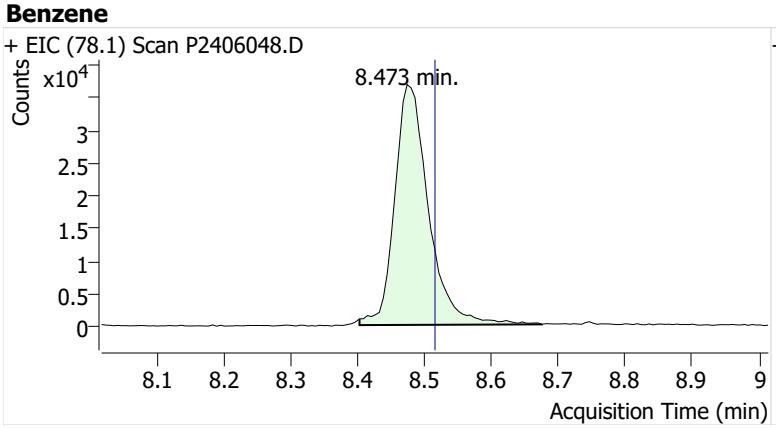
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	728,348	
Benzene	benzene-d6 (IS)	8.473	8.515	129,416	
Toluene-d8 (IS)		10.990	11.032	1,036,414	
Toluene	Toluene-d8 (IS)	11.085	11.121	315,035	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.252	58,749	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.459	165,768	
o-Xylene	Toluene-d8 (IS)	13.892	13.922	66,310	

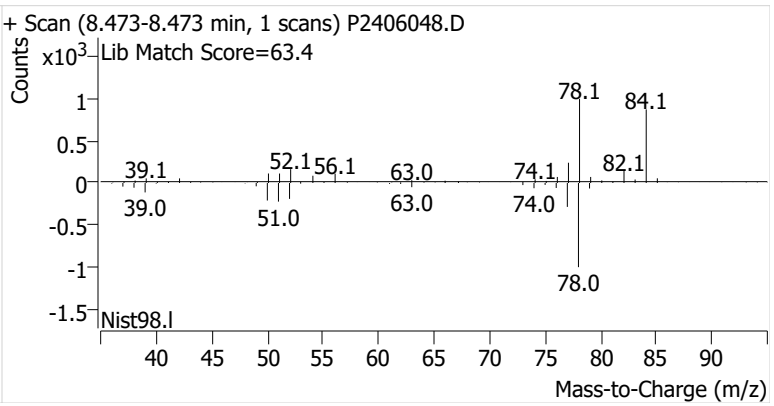
benzene-d6 (IS)



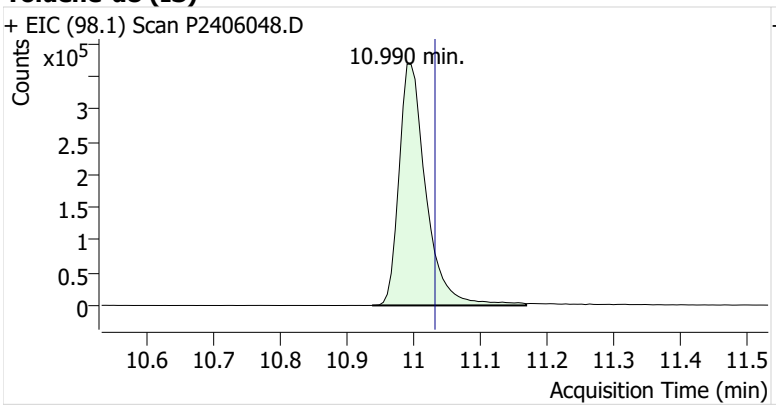


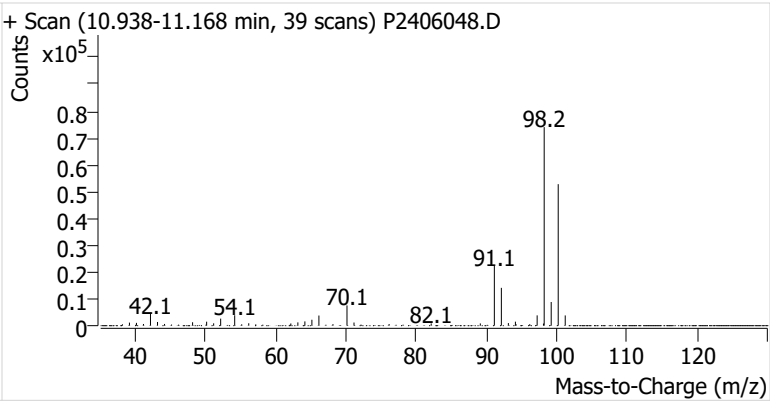
Benzene



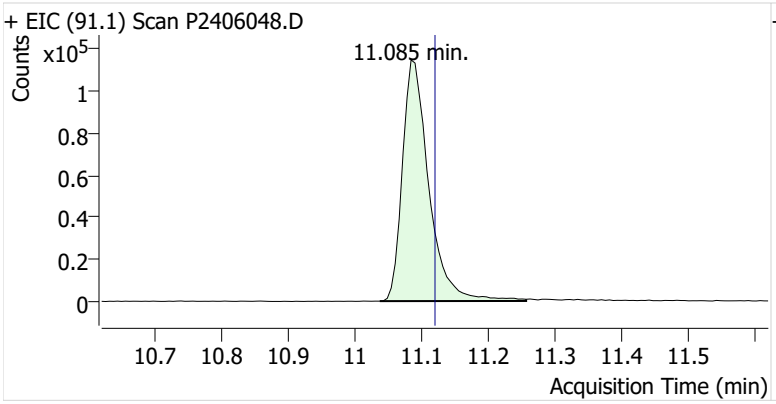


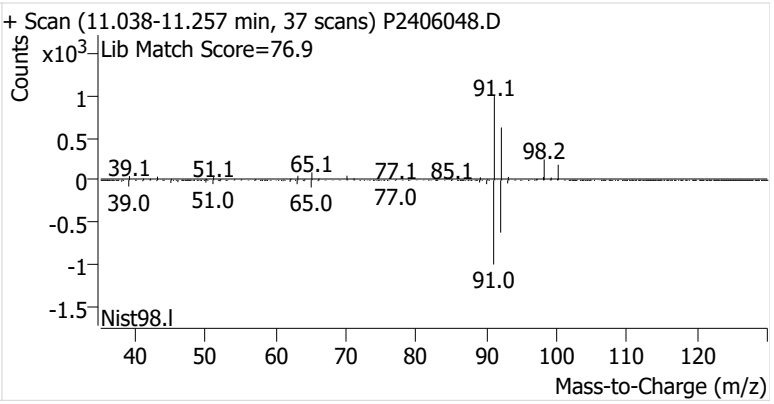
Toluene-d8 (IS)



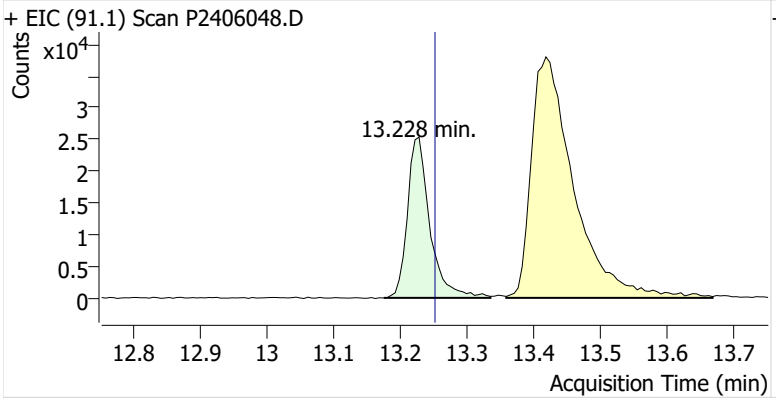


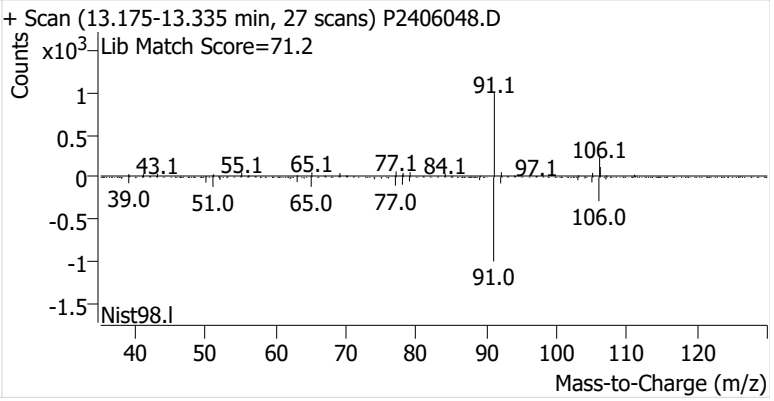
Toluene



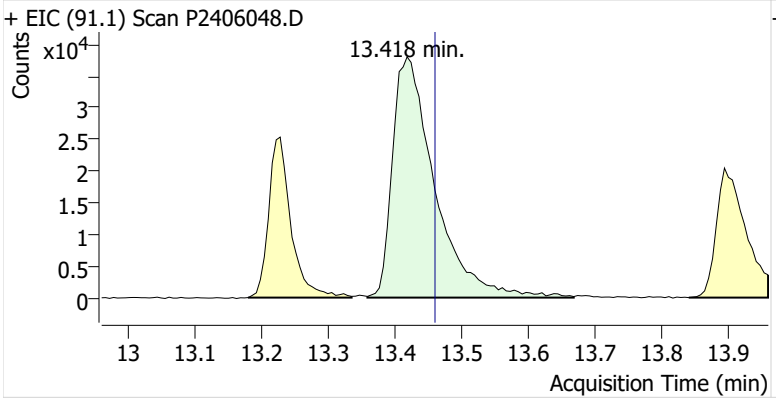


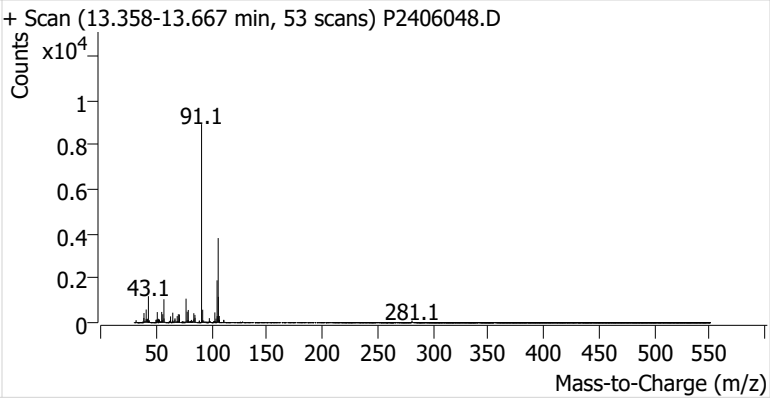
Ethylbenzene



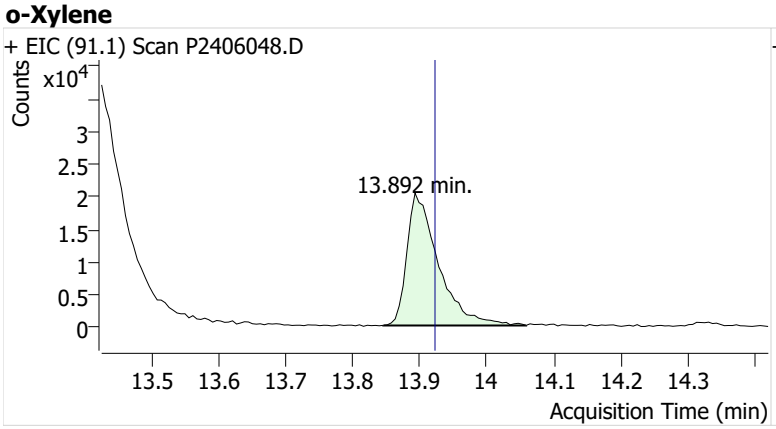


m-/p-Xylene





o-Xylene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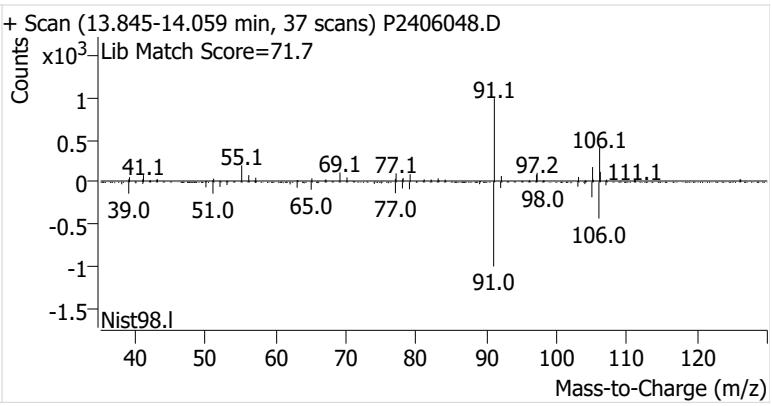
Counts
x10^4
3
2.5
2
1.5
1
0.5
0
13.892 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.845-14.059 min, 37 scans) P2406048.D
Counts
x10^3
Lib Match Score=71.7
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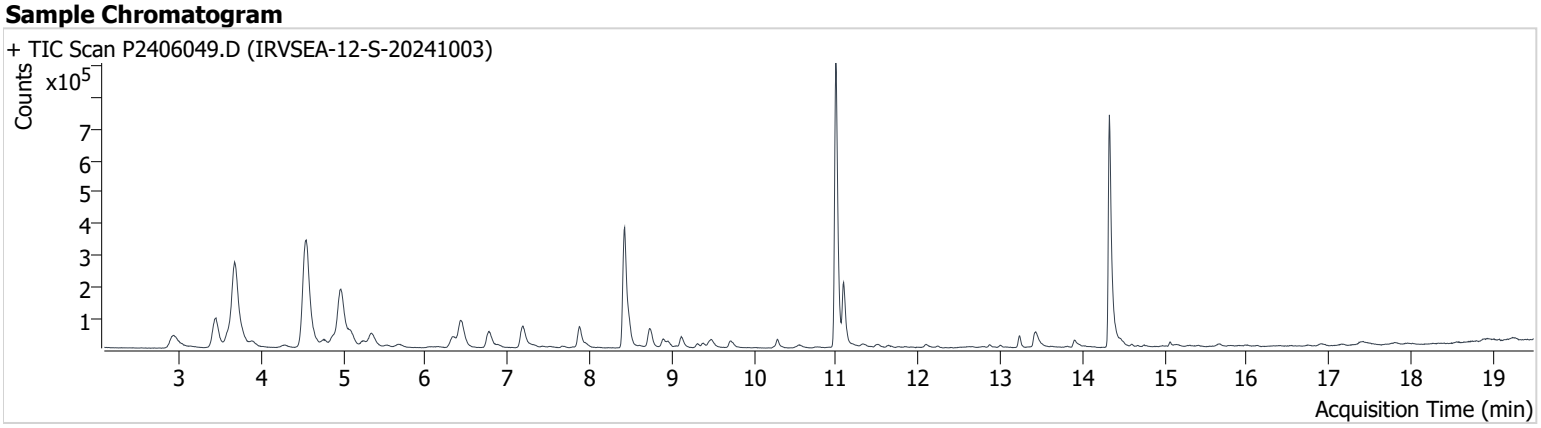
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

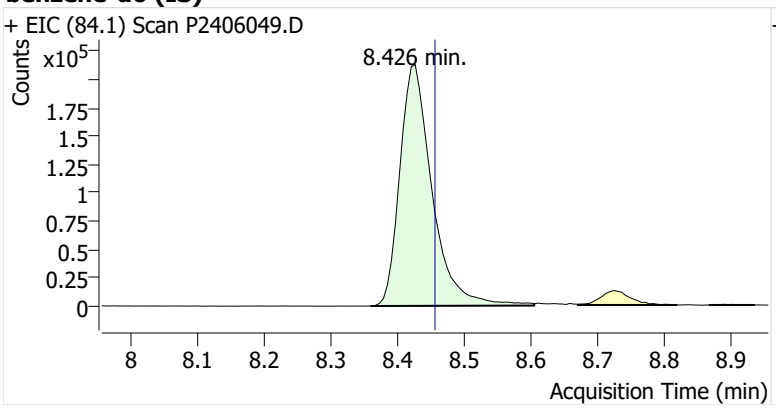
Name	IRVSEA-12-S-20241003
Comment	B21063
Data File	P2406049.D
Acq. Date-Time	10/19/2024 2:57:00 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

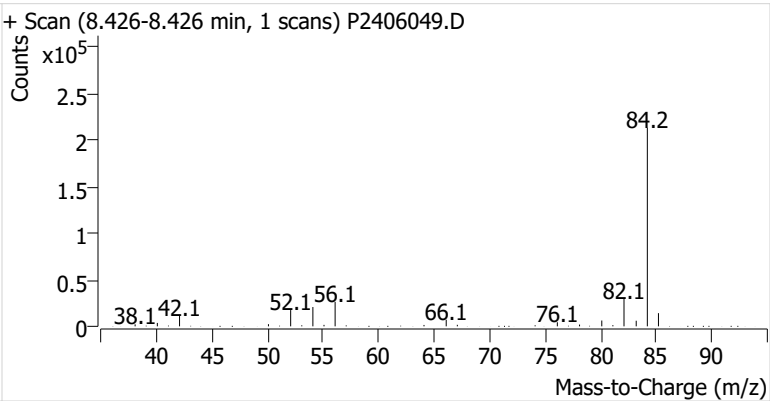
Sample Chromatogram



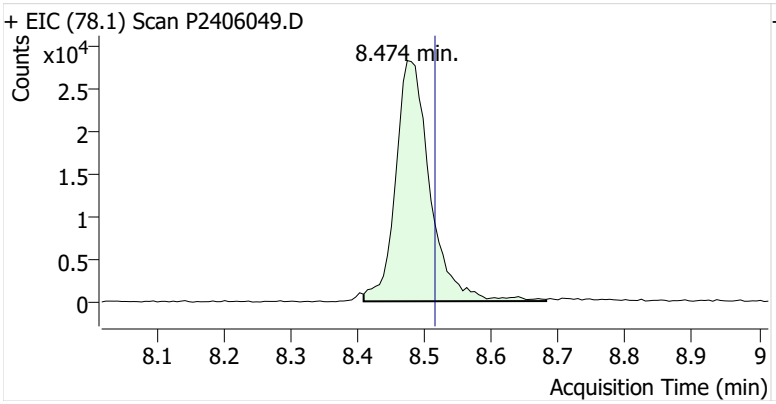
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	712,955	
Benzene	benzene-d6 (IS)	8.474	8.515	101,620	
Toluene-d8 (IS)		10.996	11.032	1,010,080	
Toluene	Toluene-d8 (IS)	11.091	11.121	225,035	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	40,328	
m-/p-Xylene	Toluene-d8 (IS)	13.424	13.459	85,505	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	34,060	

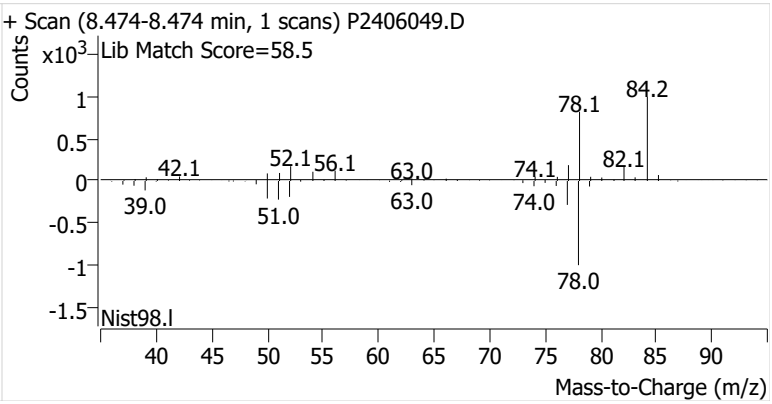
benzene-d6 (IS)



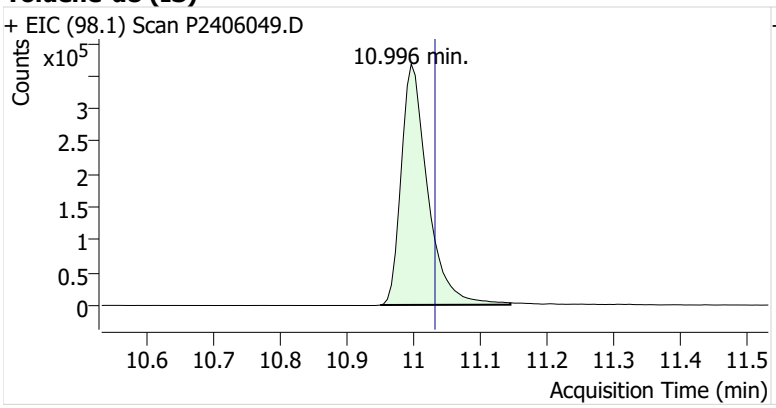


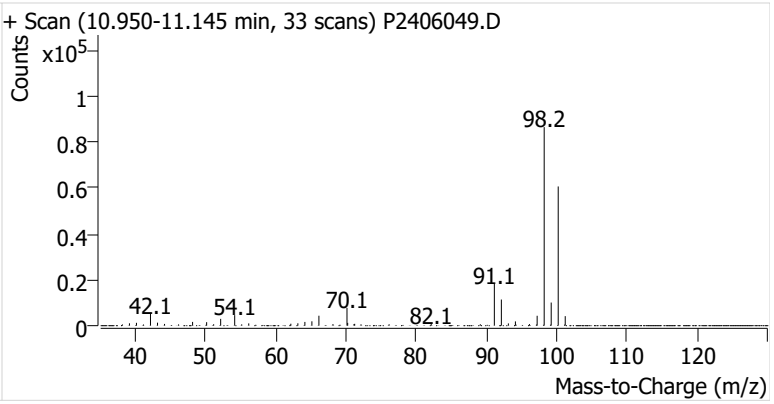
Benzene



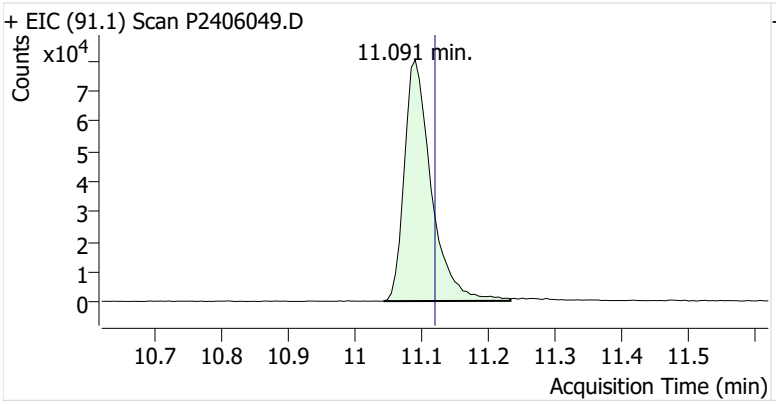


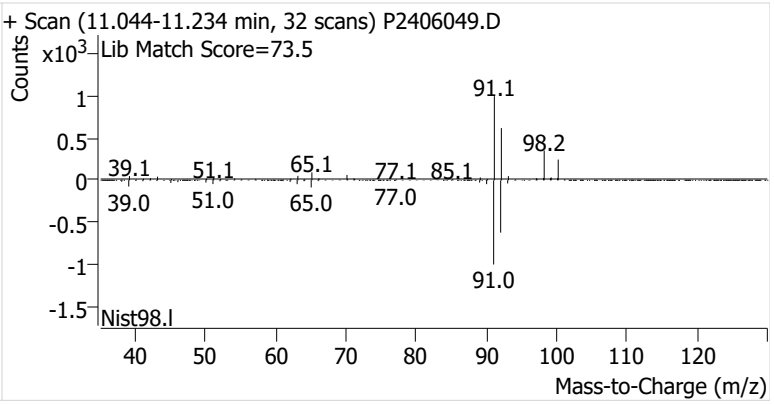
Toluene-d8 (IS)



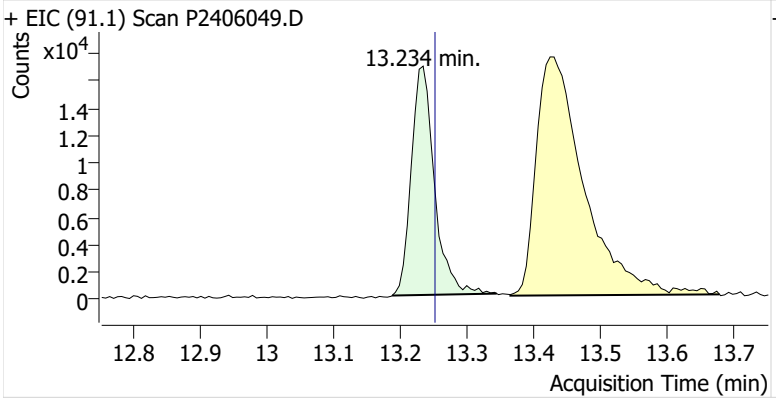


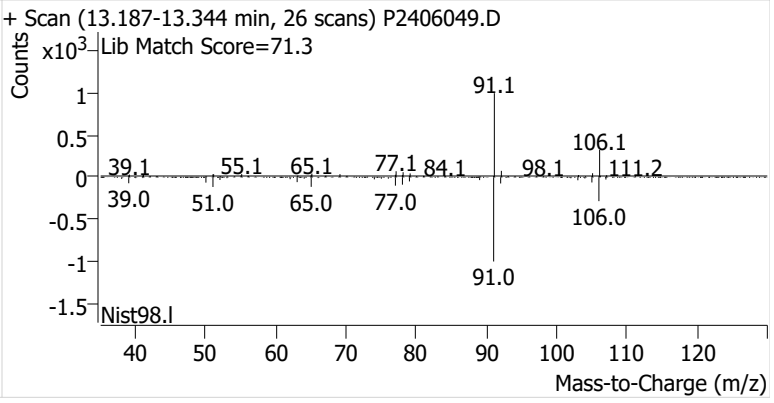
Toluene



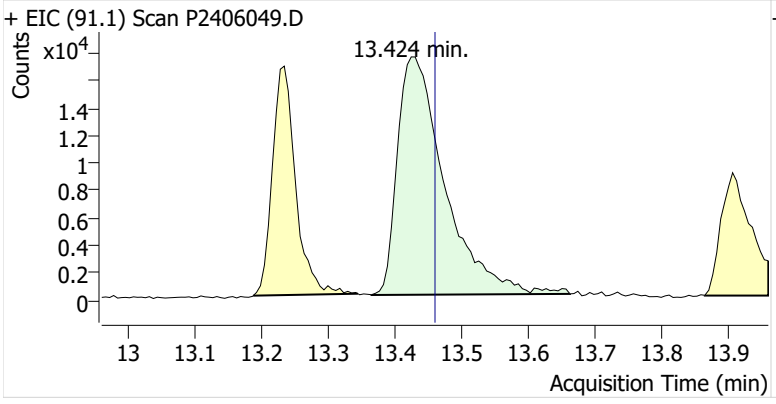


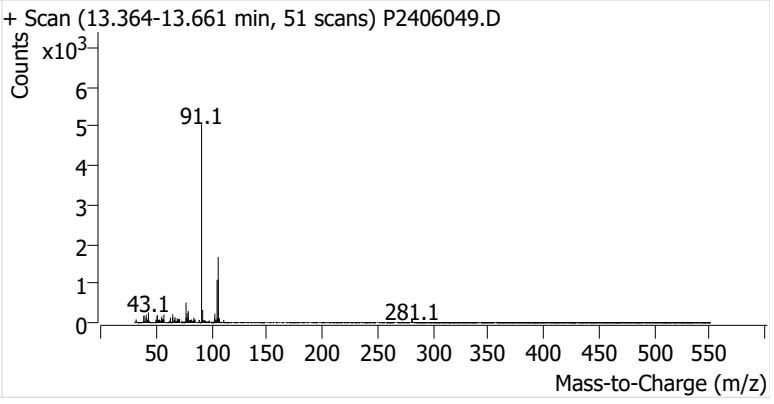
Ethylbenzene



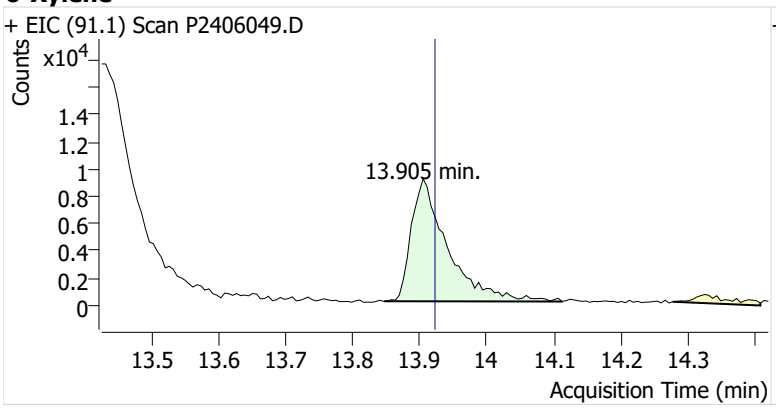


m-/p-Xylene





o-Xylene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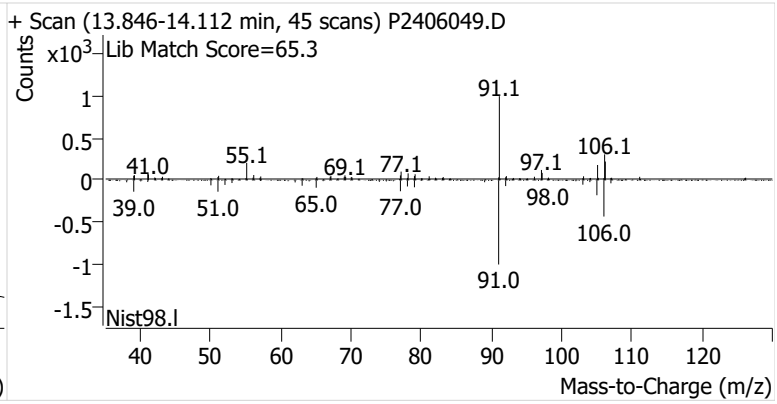
1.2
1
0.8
0.6
0.4
0.2
0
13.905 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Counts
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Lib Match Score=65.3
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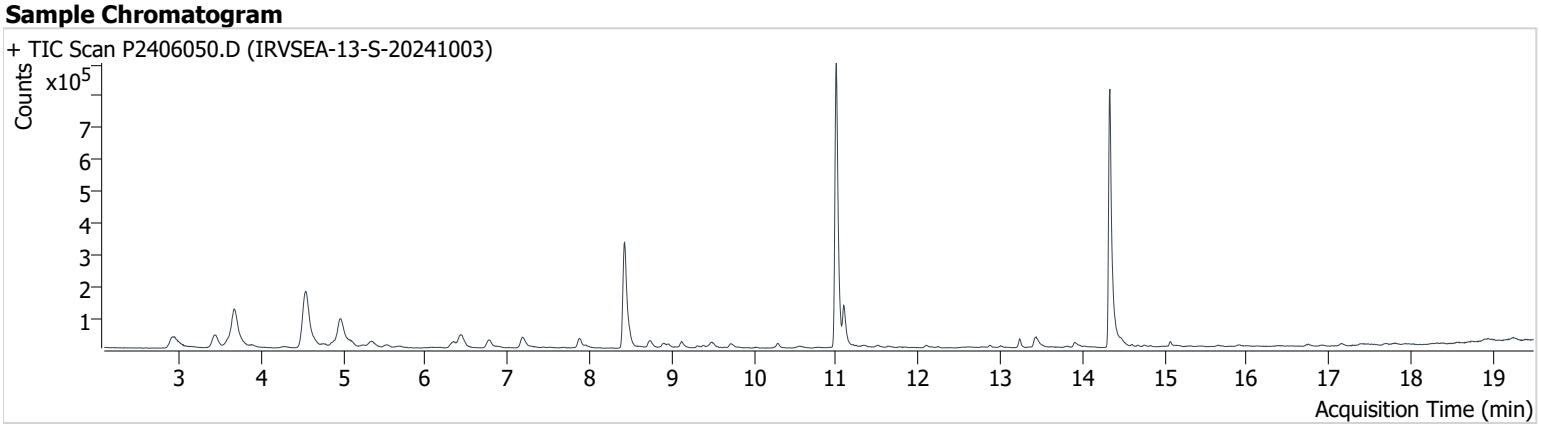
0
-0.5
-1
-1.5
91.1
41.0
55.1
69.1
77.1
97.1
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

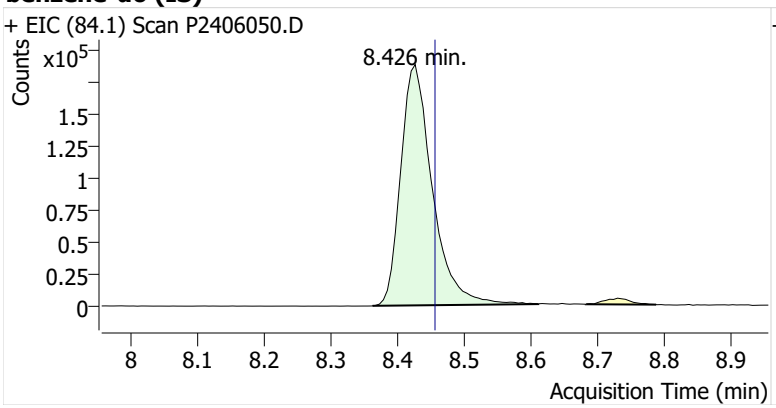
Name	IRVSEA-13-S-20241003
Comment	B34900
Data File	P2406050.D
Acq. Date-Time	10/19/2024 3:34:19 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

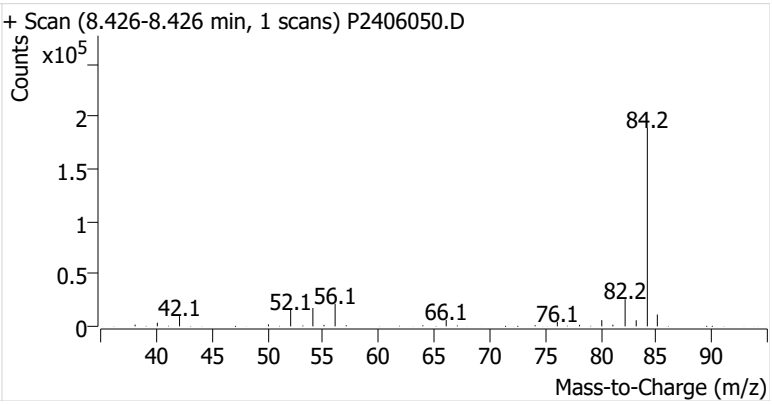
Sample Chromatogram



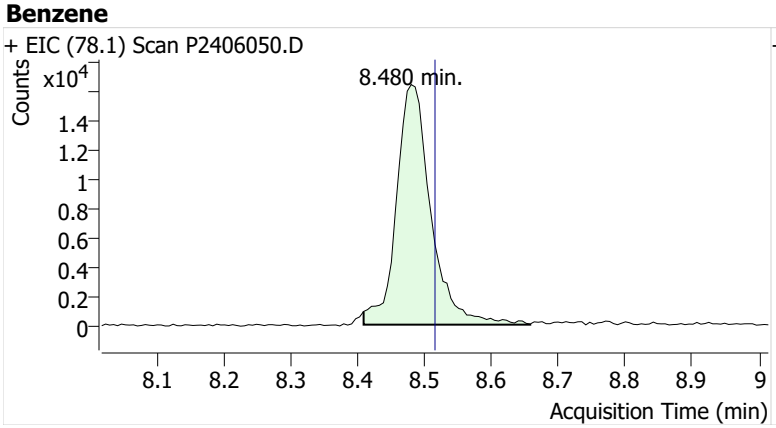
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	619,858	
Benzene	benzene-d6 (IS)	8.480	8.515	58,839	
Toluene-d8 (IS)		11.002	11.032	1,008,118	
Toluene	Toluene-d8 (IS)	11.097	11.121	134,212	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	29,203	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.459	59,827	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	21,004	

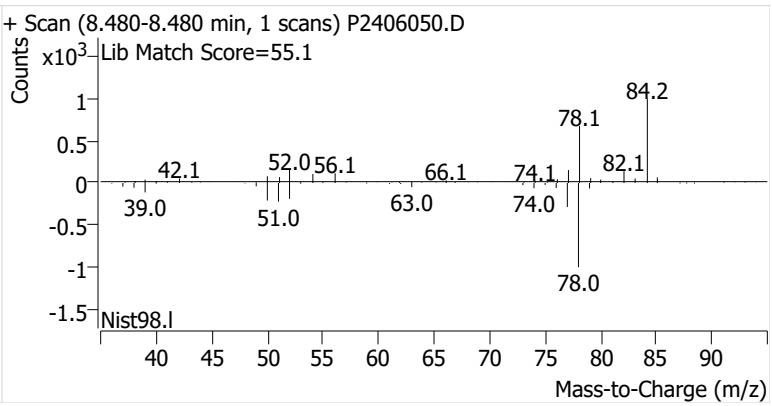
benzene-d6 (IS)



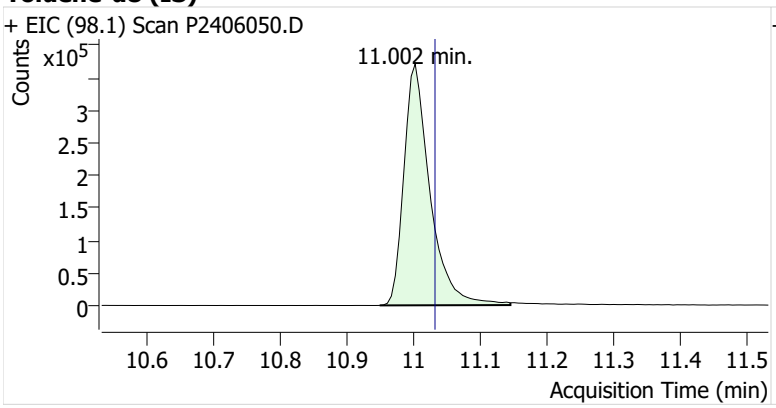


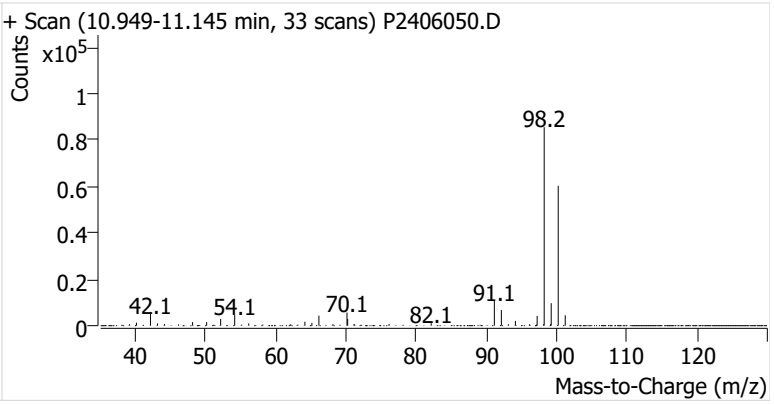
Benzene



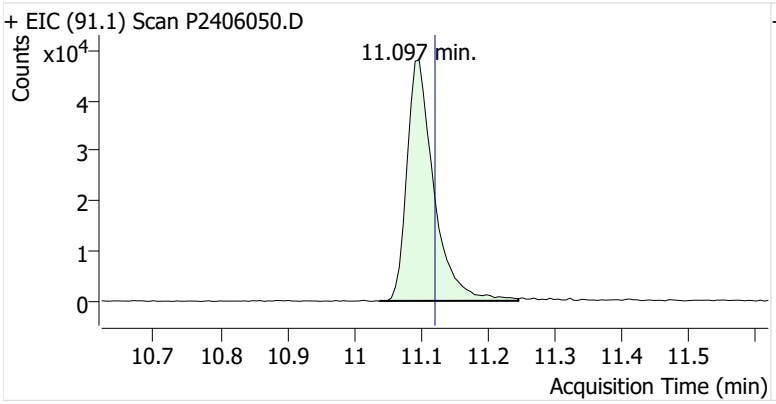


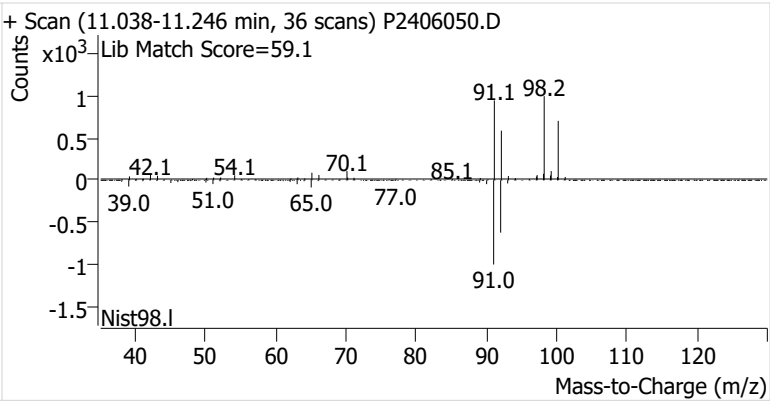
Toluene-d8 (IS)



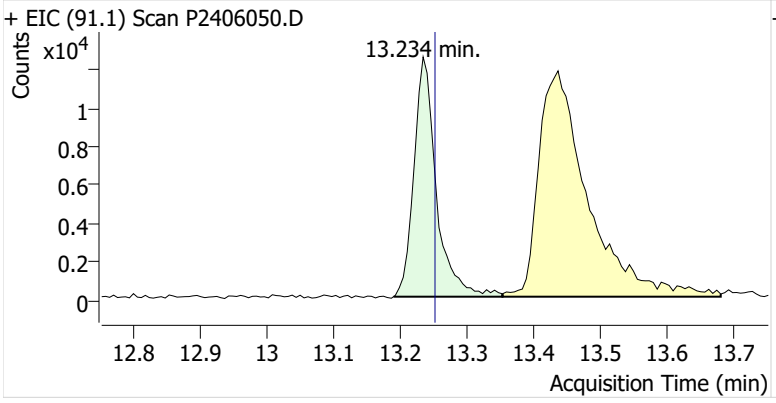


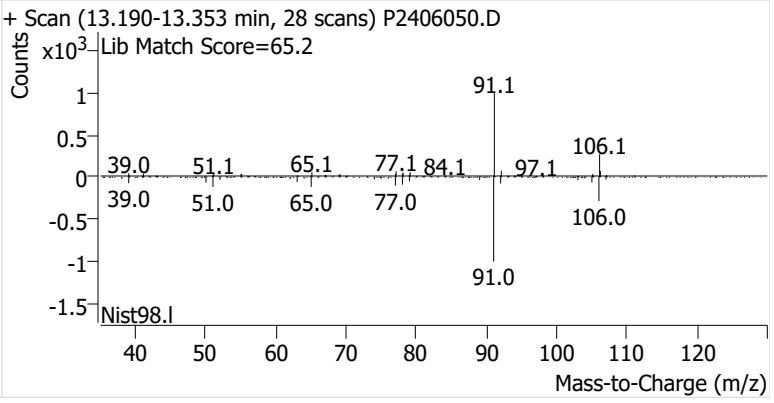
Toluene



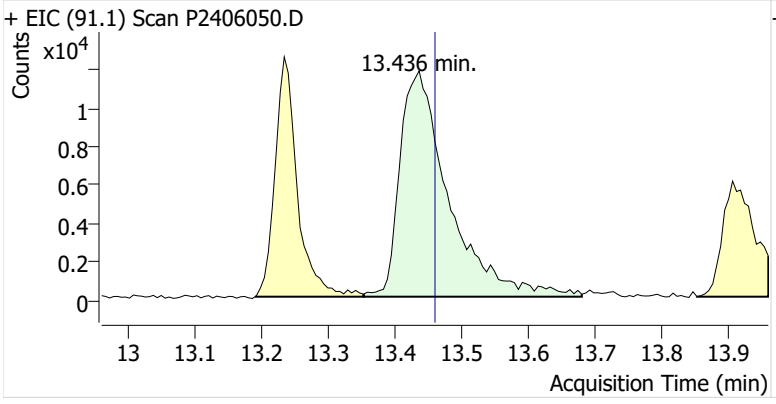


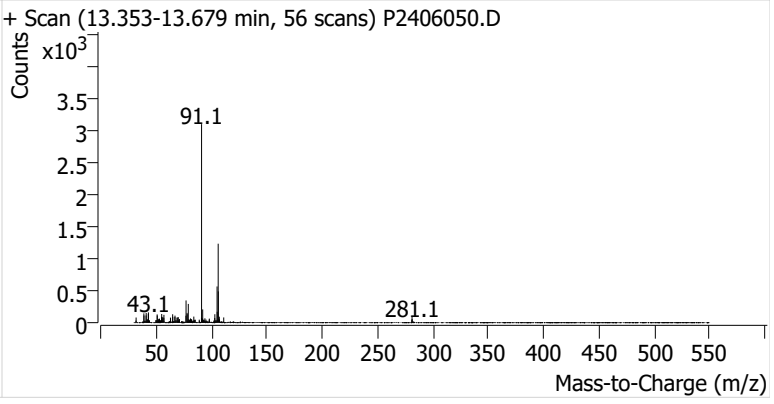
Ethylbenzene



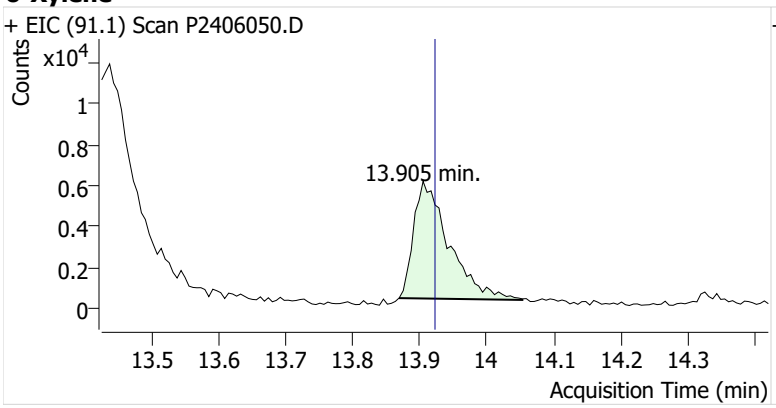


m-/p-Xylene





o-Xylene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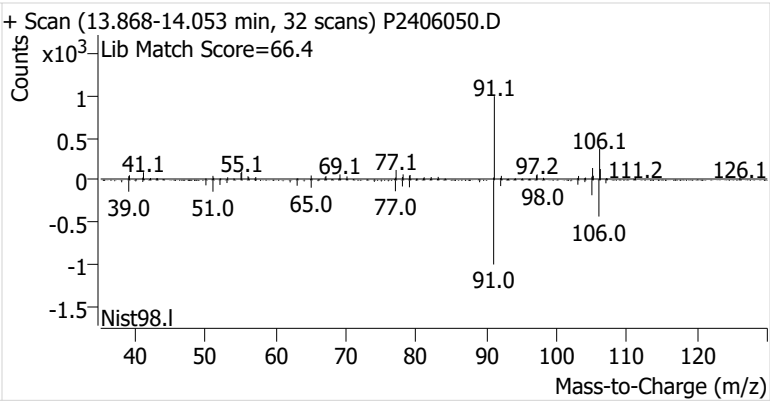
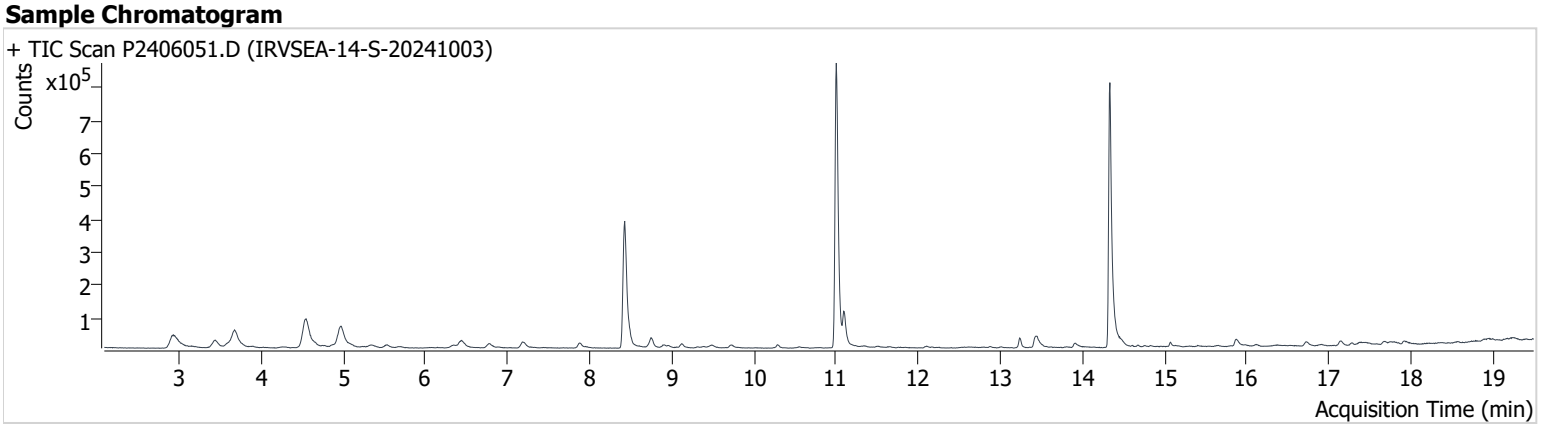
0.6
0.4
0.2
0
13.905 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.868-14.053 min, 32 scans) P2406050.D
Counts
x10^3
Lib Match Score=66.4
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

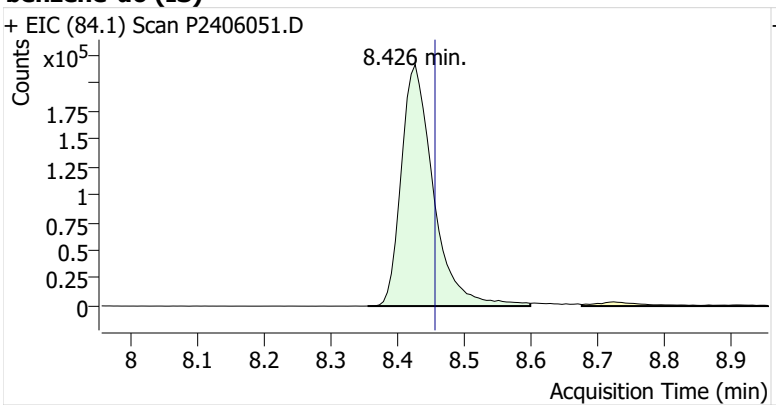
Name	IRVSEA-14-S-20241003
Comment	C33292
Data File	P2406051.D
Acq. Date-Time	10/19/2024 4:11:53 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

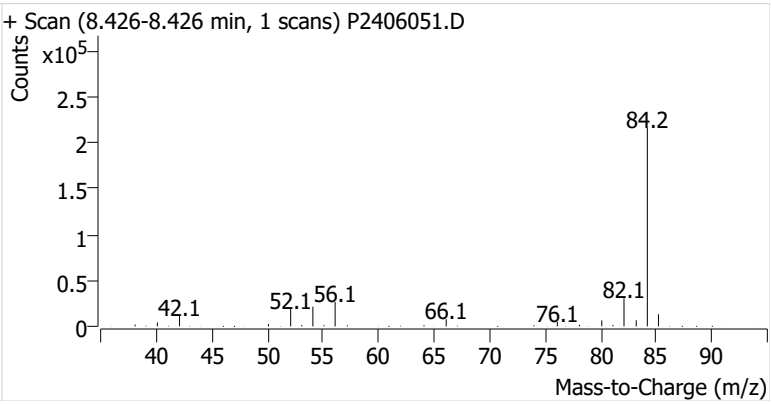
Sample Chromatogram



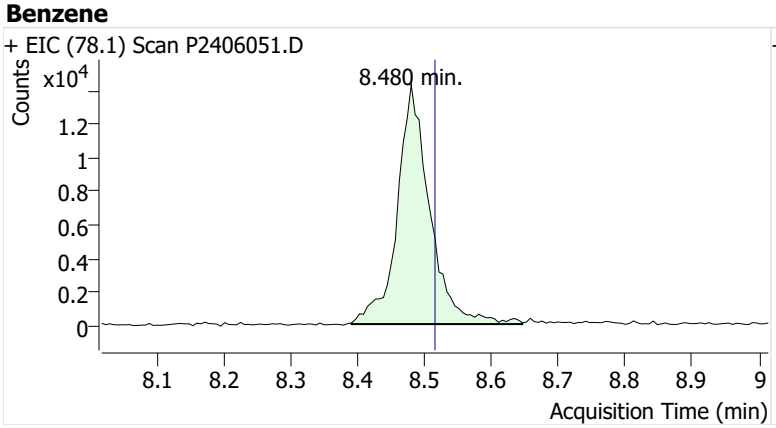
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	720,887	
Benzene	benzene-d6 (IS)	8.480	8.515	48,290	
Toluene-d8 (IS)		11.002	11.032	982,874	
Toluene	Toluene-d8 (IS)	11.097	11.121	114,071	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	31,257	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.459	60,503	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	19,786	

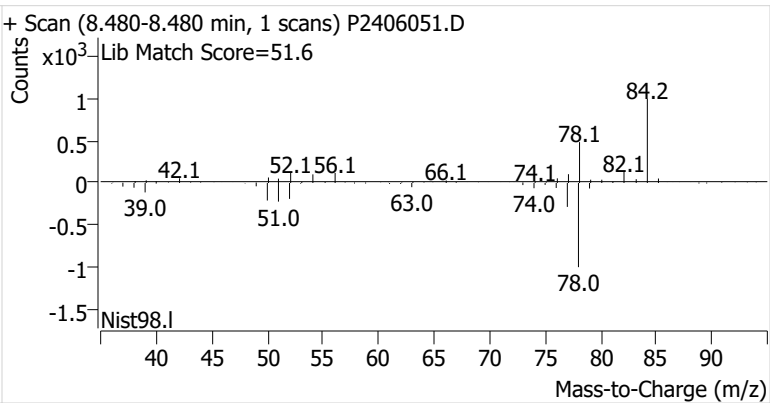
benzene-d6 (IS)



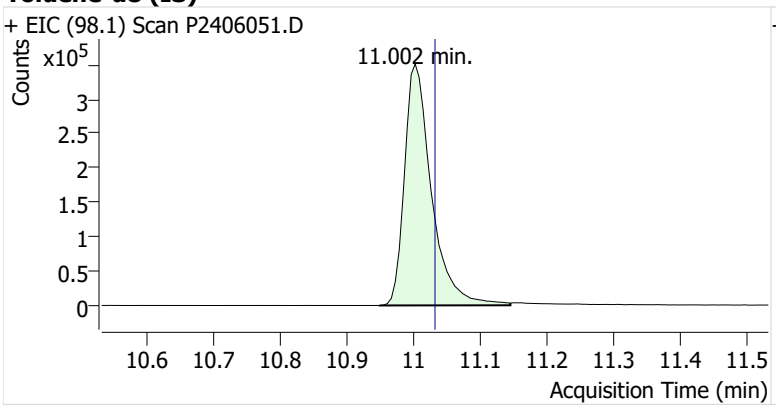


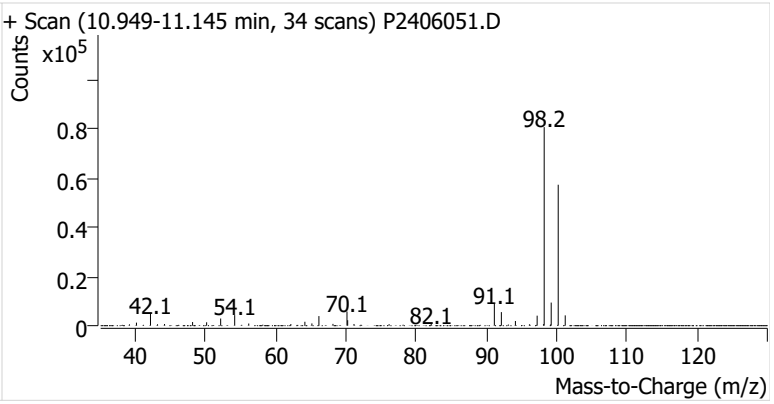
Benzene



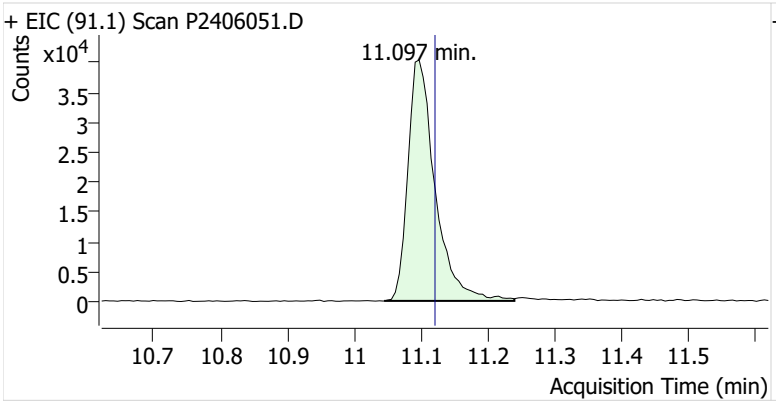


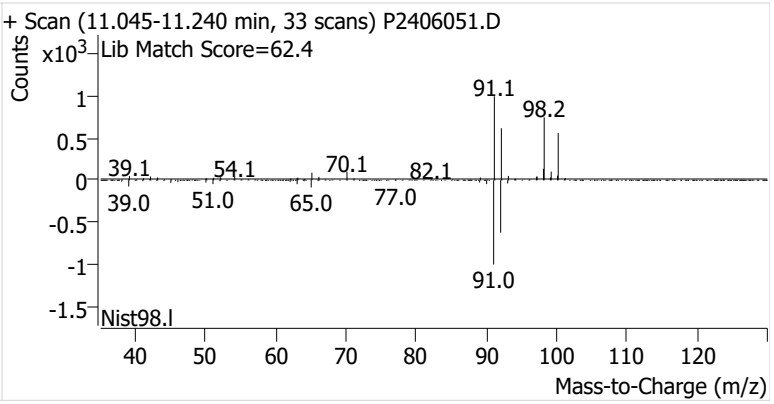
Toluene-d8 (IS)



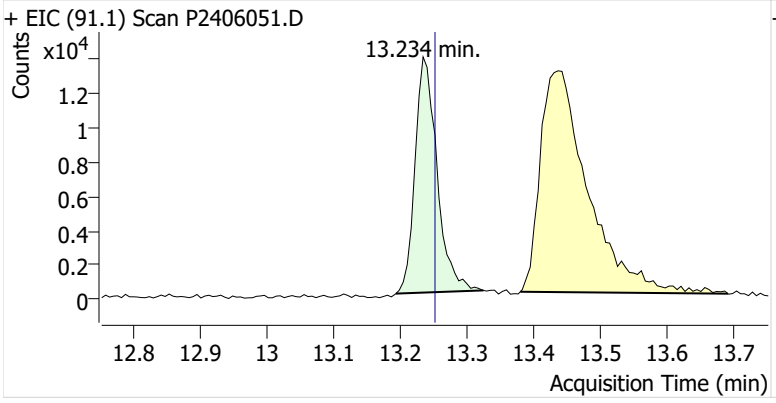


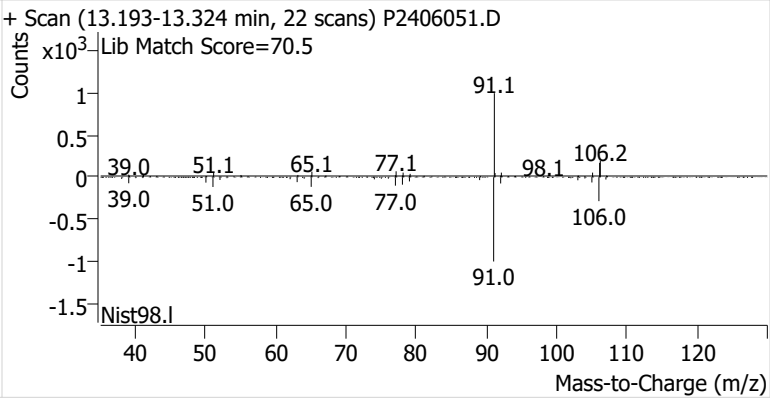
Toluene



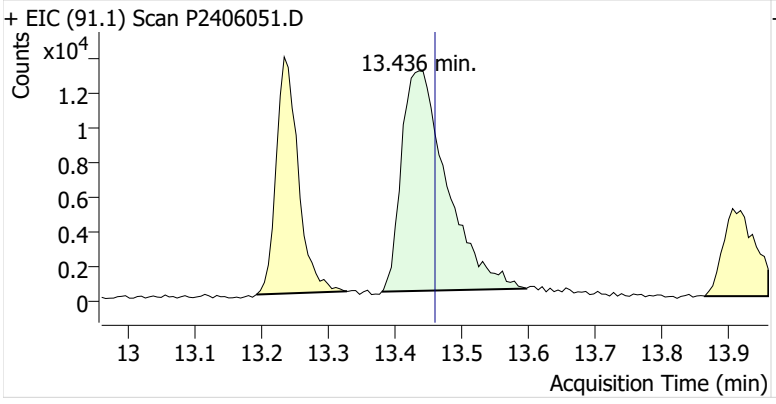


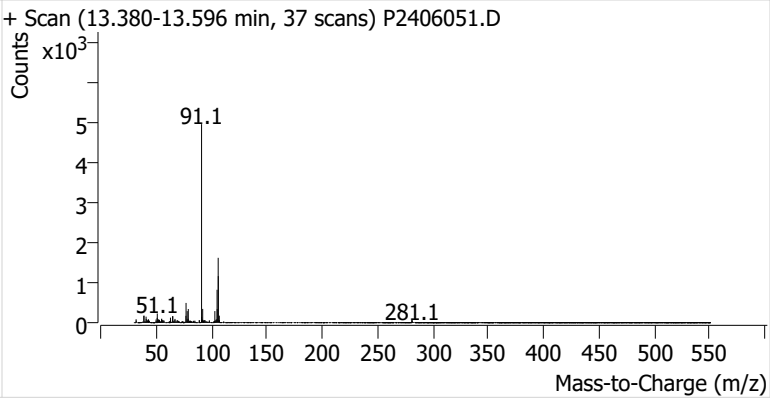
Ethylbenzene



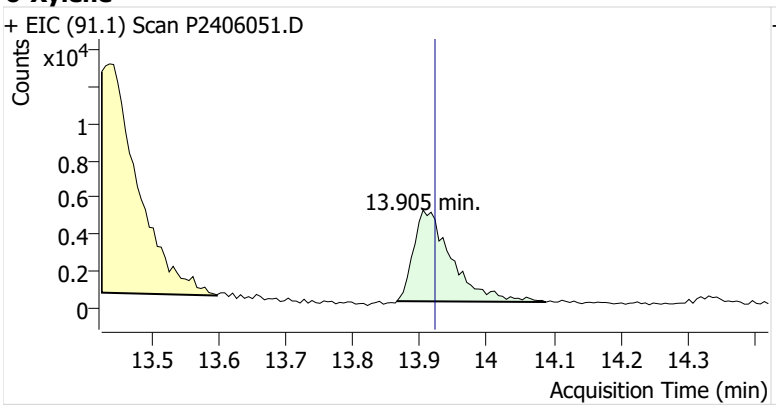


m-/p-Xylene





o-Xylene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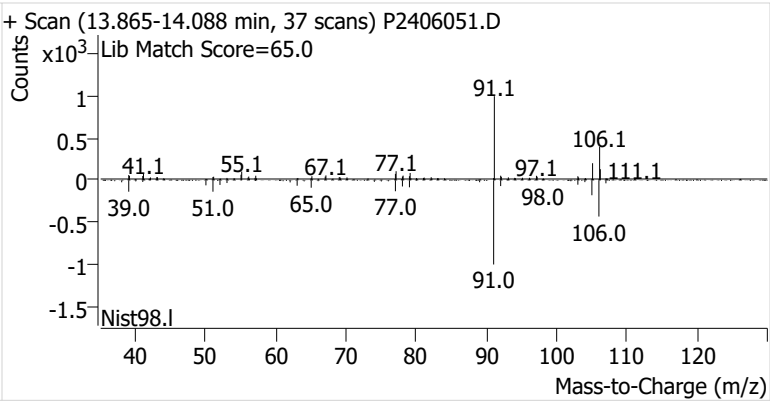
0.8
0.6
0.4
0.2
0
13.905 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.865-14.088 min, 37 scans) P2406051.D
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x10^3
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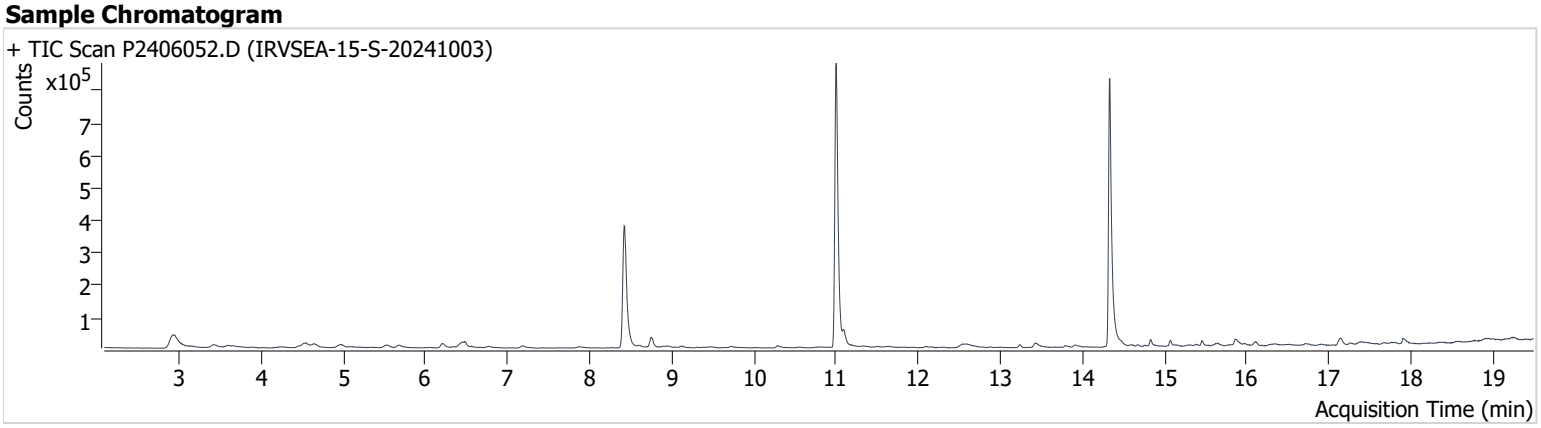
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
67.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

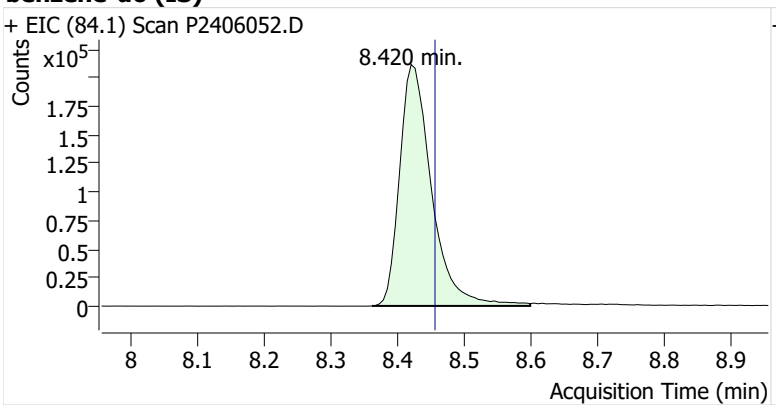
Name	IRVSEA-15-S-20241003
Comment	C43375
Data File	P2406052.D
Acq. Date-Time	10/19/2024 4:49:13 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

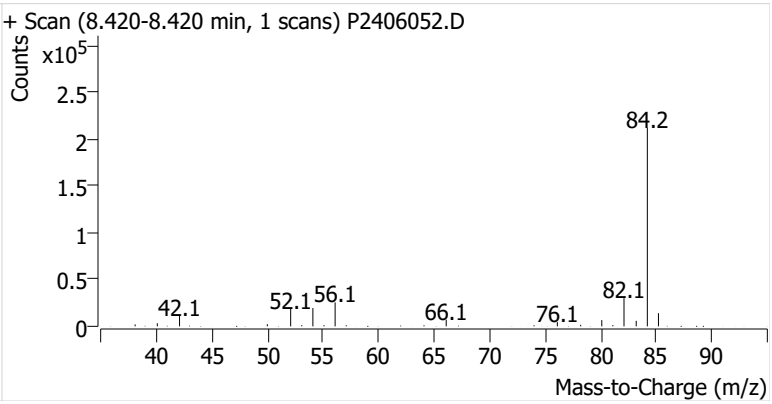
Sample Chromatogram



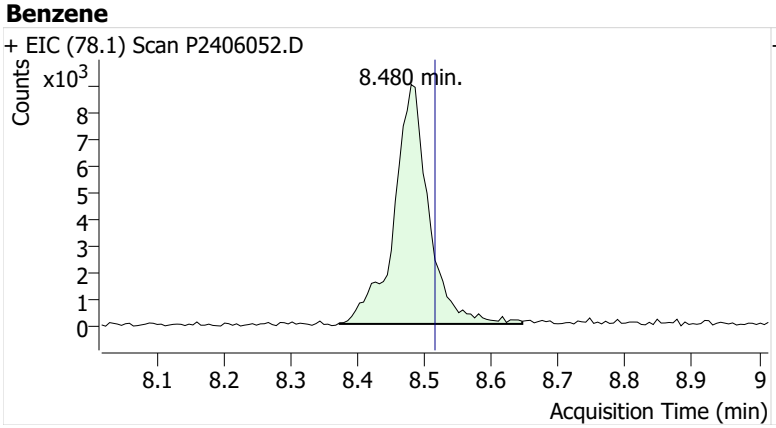
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	703,477	
Benzene	benzene-d6 (IS)	8.480	8.515	32,542	
Toluene-d8 (IS)		10.996	11.032	999,032	
Toluene	Toluene-d8 (IS)	11.097	11.121	43,057	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.252	8,884	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.459	22,723	
o-Xylene	Toluene-d8 (IS)	13.905	13.922	9,210	

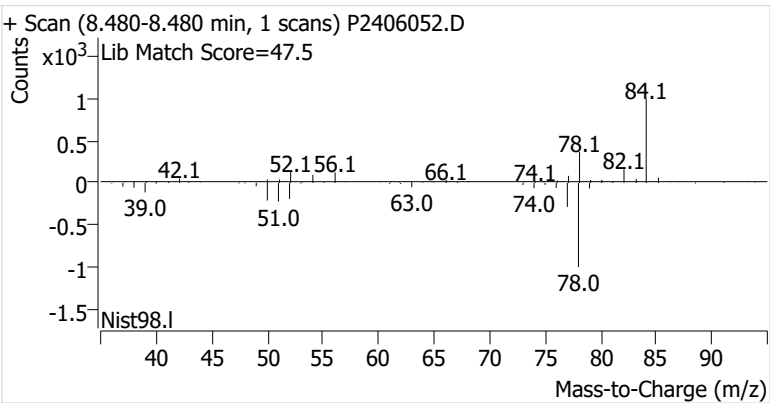
benzene-d6 (IS)



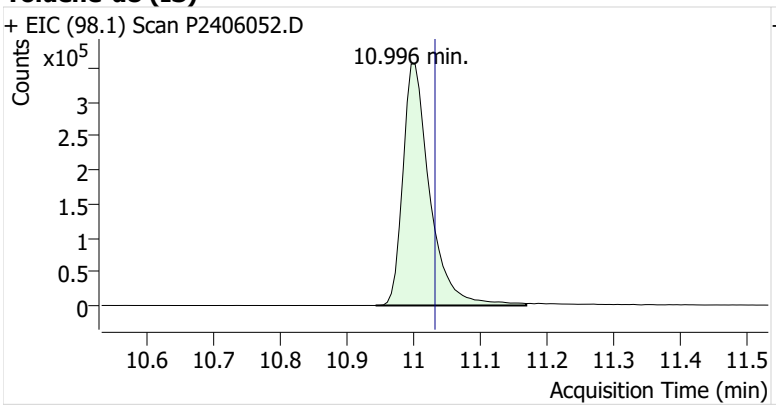


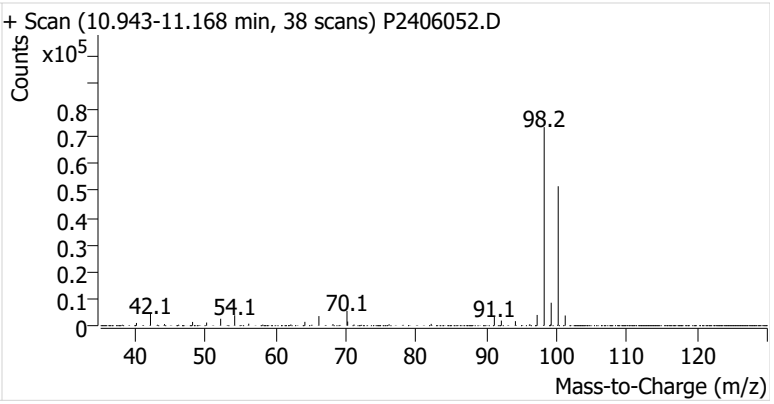
Benzene



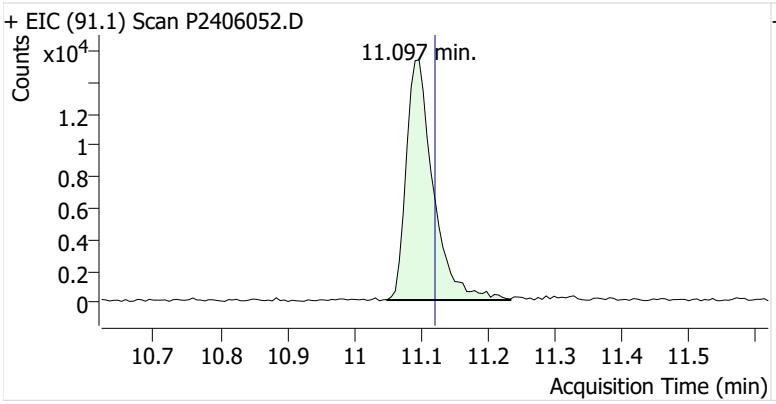


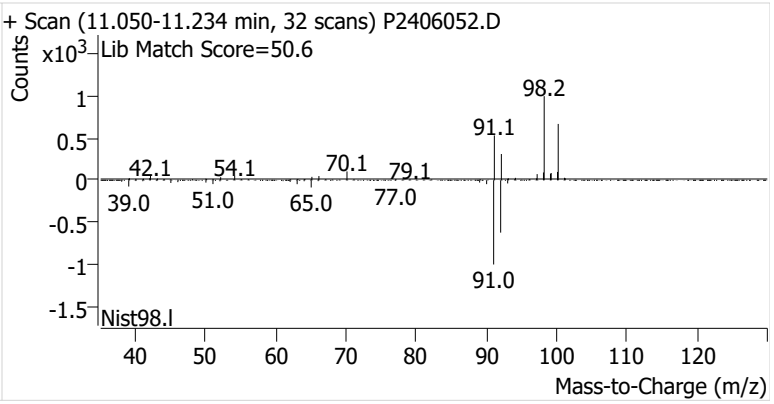
Toluene-d8 (IS)



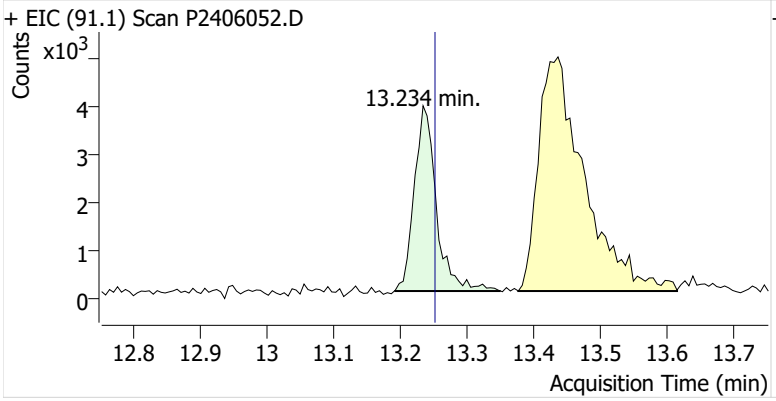


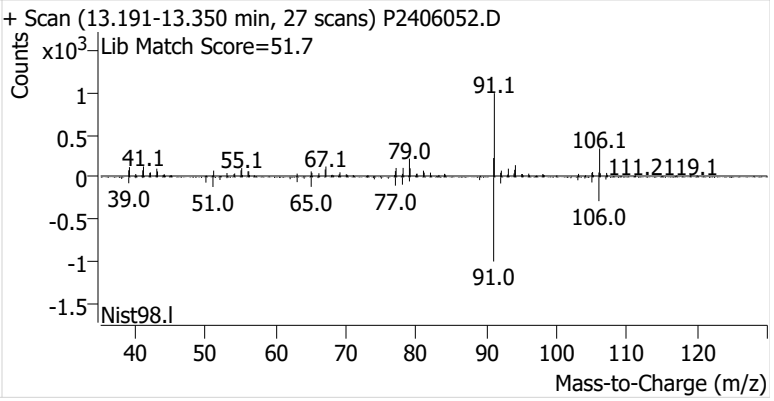
Toluene



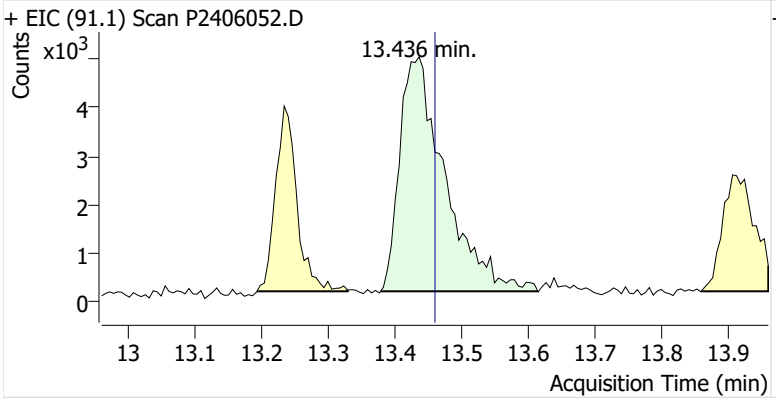


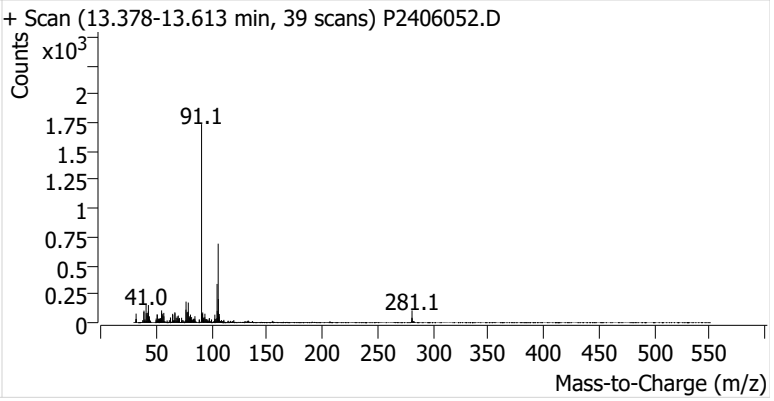
Ethylbenzene



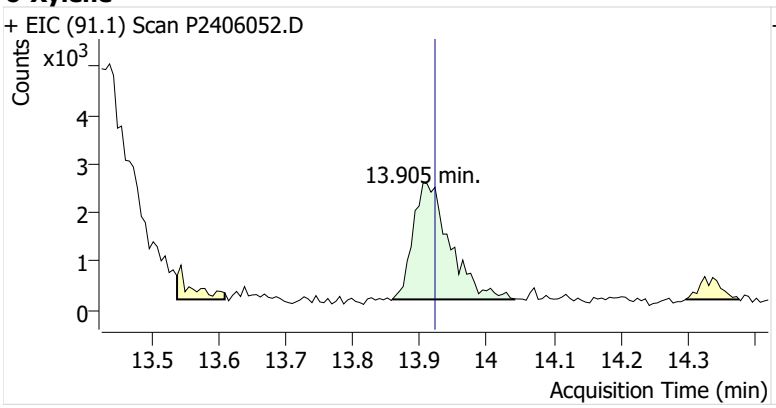


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2406052.D
Counts
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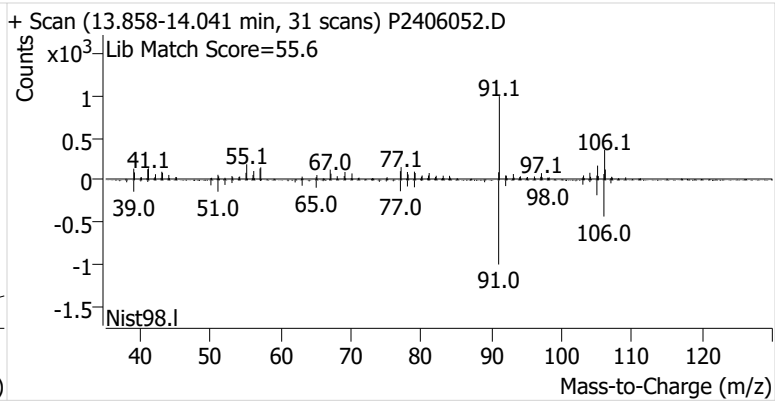
2
1
0
13.905 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.858-14.041 min, 31 scans) P2406052.D
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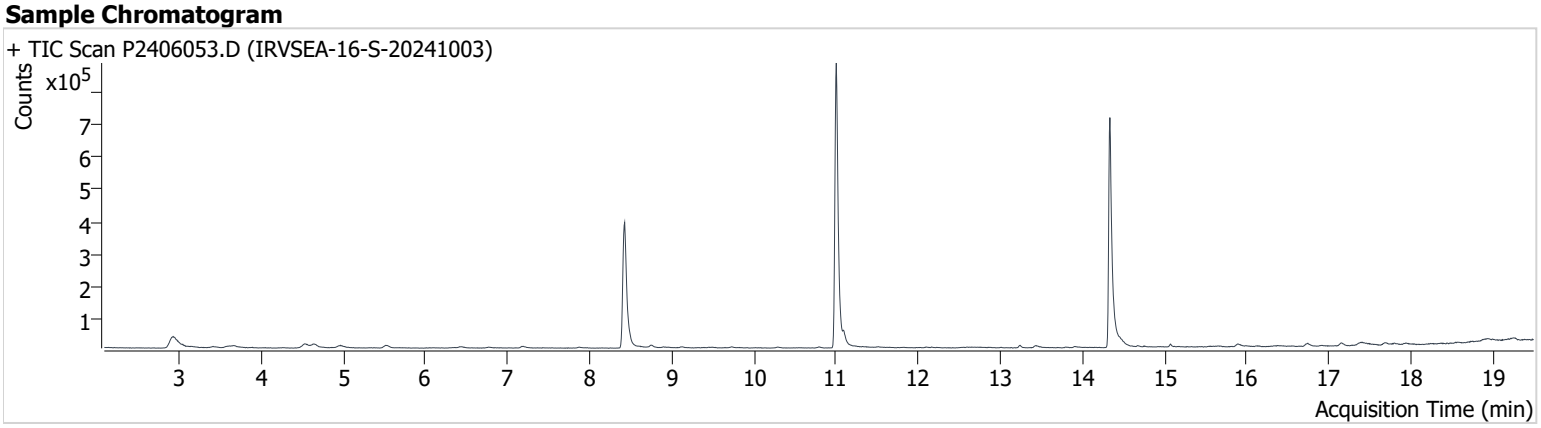
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
67.0
77.1
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

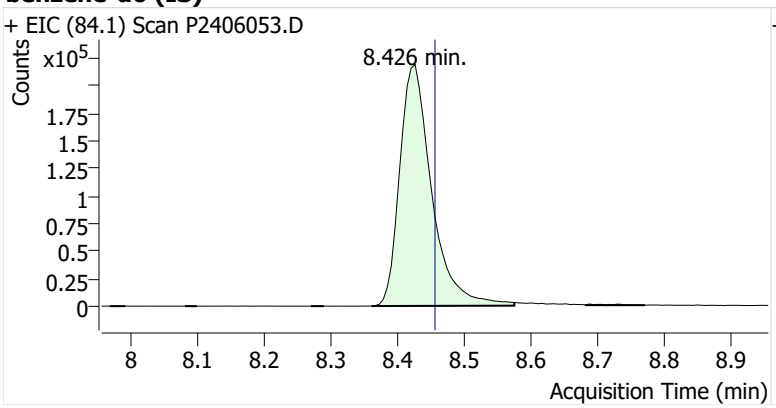
Name	IRVSEA-16-S-20241003
Comment	C00780
Data File	P2406053.D
Acq. Date-Time	10/19/2024 5:26:32 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

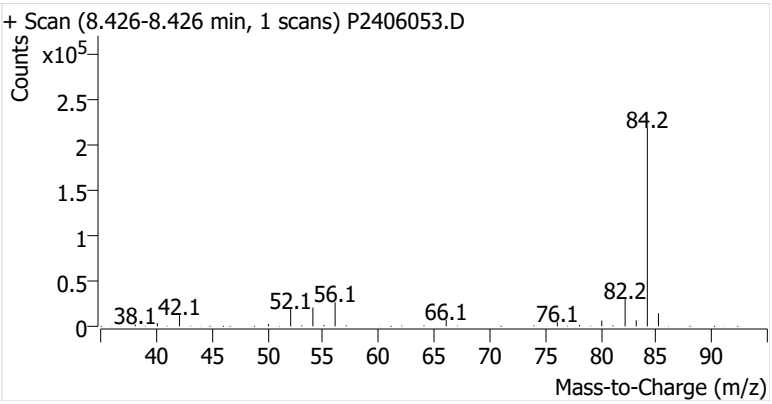
Sample Chromatogram



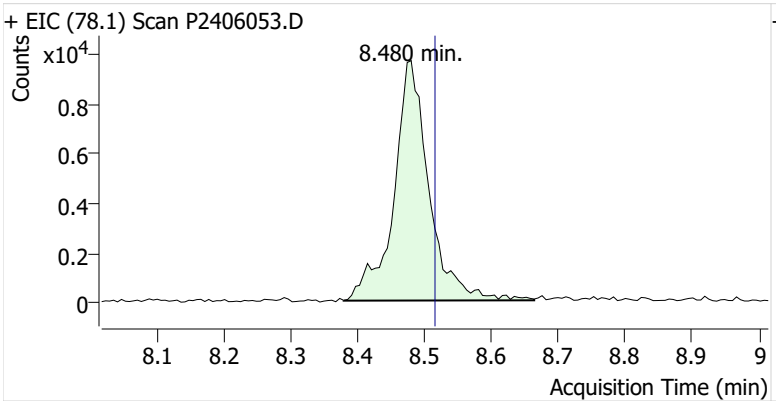
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.456	726,976	
Benzene	benzene-d6 (IS)	8.480	8.515	35,407	
Toluene-d8 (IS)		11.002	11.032	1,011,655	
Toluene	Toluene-d8 (IS)	11.091	11.121	35,335	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.252	8,142	
m-/p-Xylene	Toluene-d8 (IS)	13.430	13.459	11,378	
o-Xylene	Toluene-d8 (IS)	13.904	13.922	4,810	

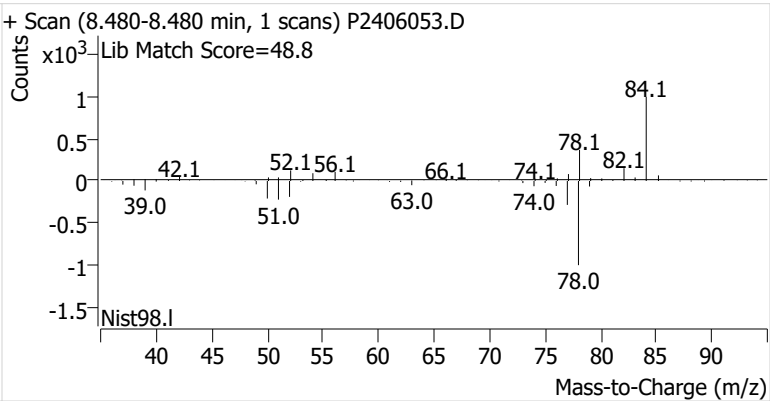
benzene-d6 (IS)



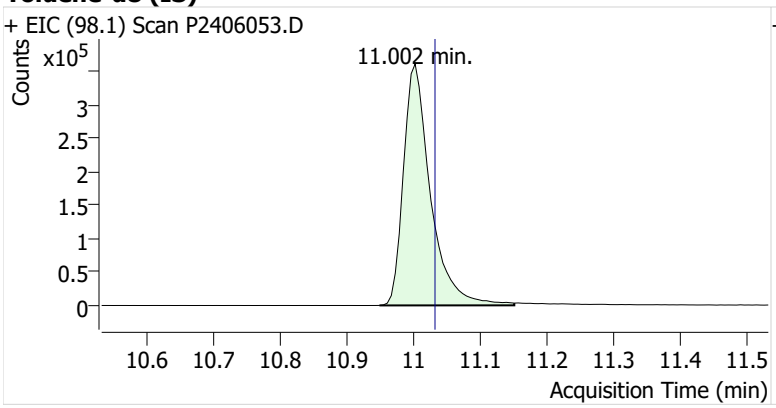


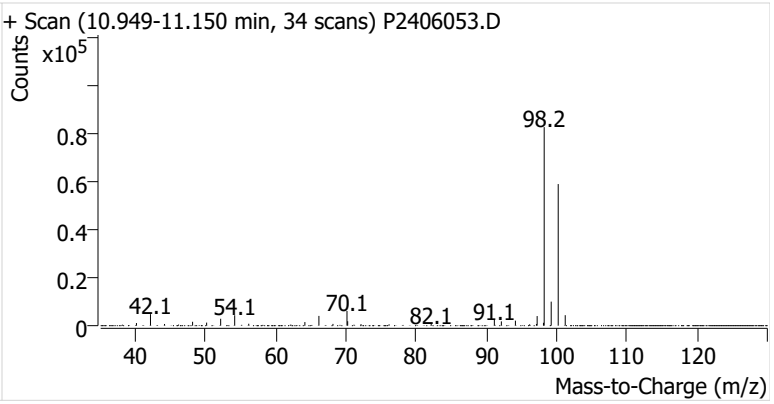
Benzene



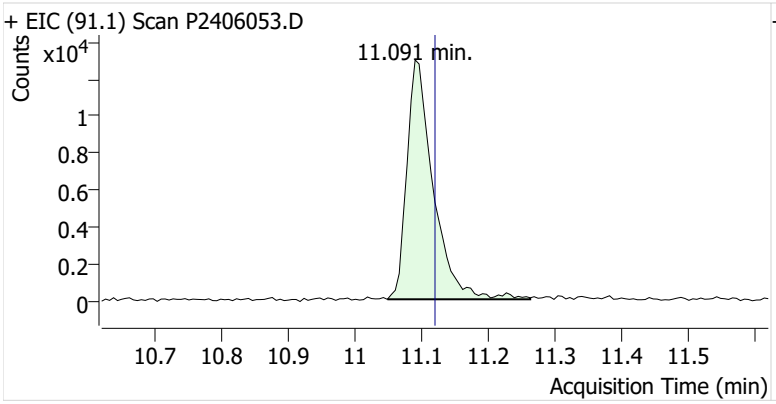


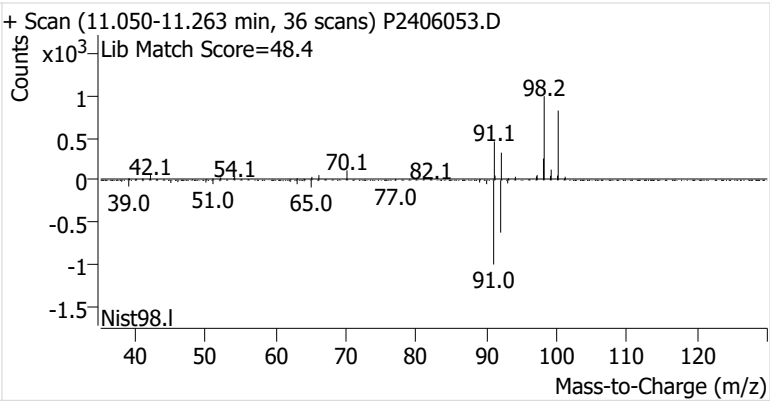
Toluene-d8 (IS)



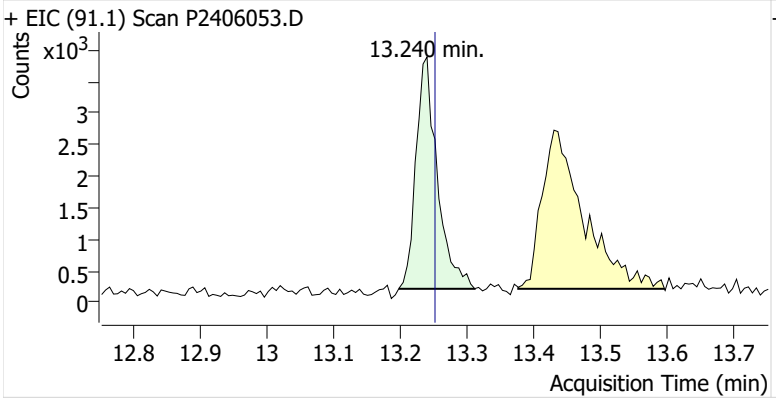


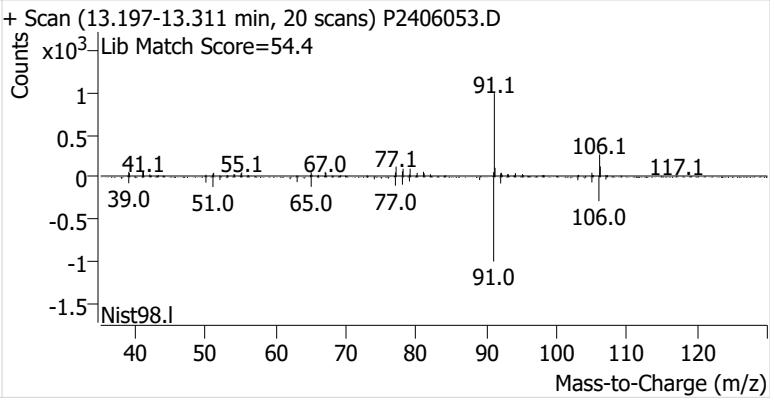
Toluene



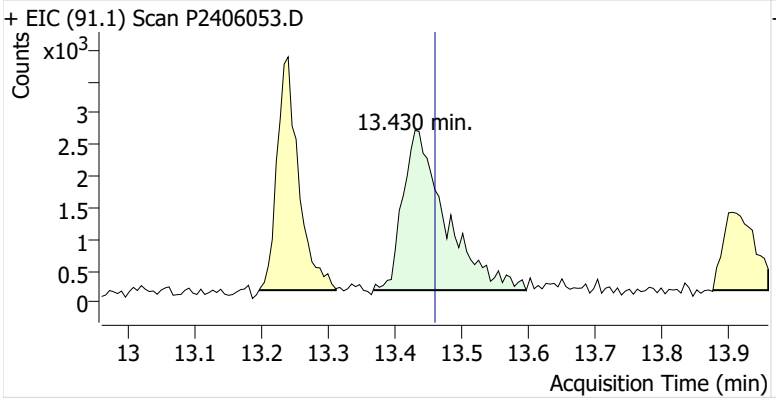


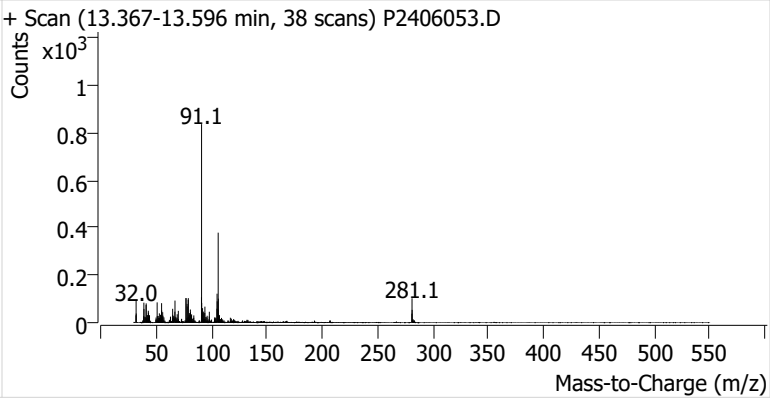
Ethylbenzene



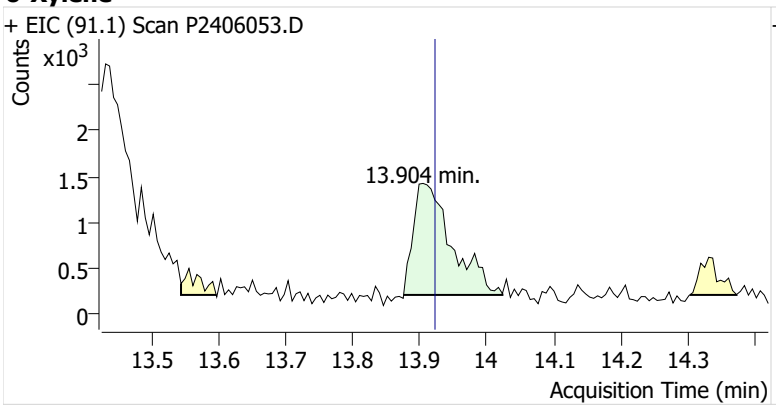


m-/p-Xylene





o-Xylene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x10^3
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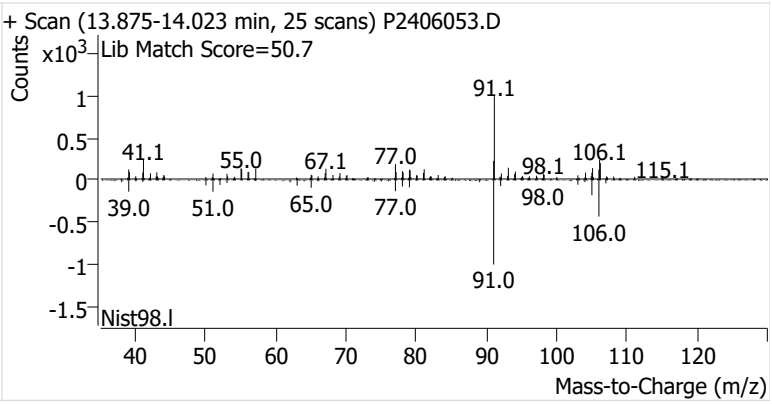
1
0.5
0
13.904 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.875-14.023 min, 25 scans) P2406053.D
Lib Match Score=50.7
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x10^3
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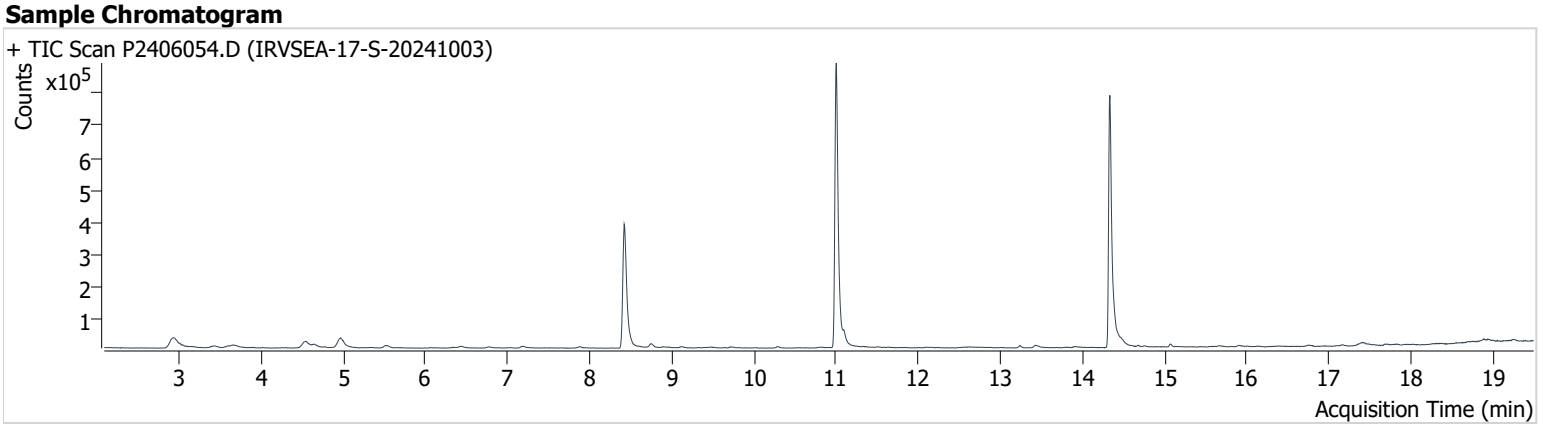
0
-0.5
-1
-1.5
91.1
41.1
55.0
67.1
77.0
98.1
106.1
115.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

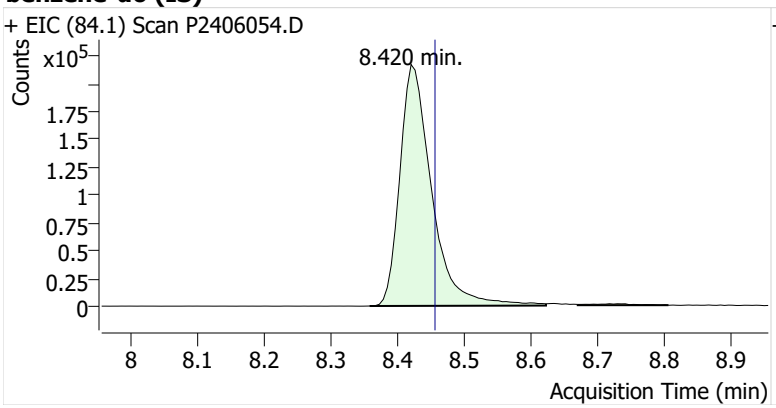
Name	IRVSEA-17-S-20241003
Comment	B18893
Data File	P2406054.D
Acq. Date-Time	10/19/2024 6:03:51 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

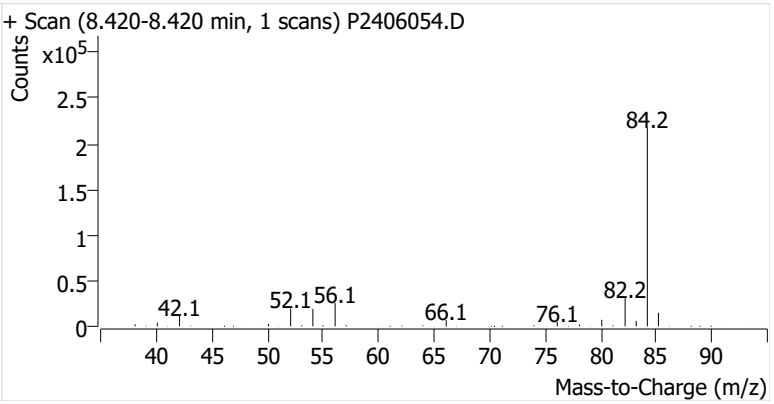
Sample Chromatogram



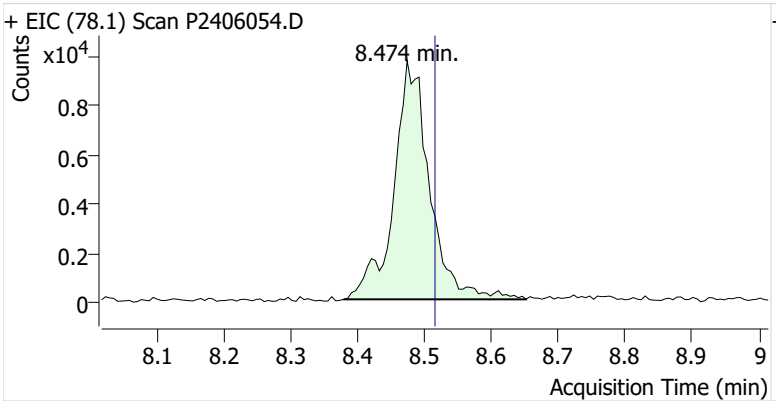
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.456	718,164	
Benzene	benzene-d6 (IS)	8.474	8.515	36,187	
Toluene-d8 (IS)		11.002	11.032	1,022,270	
Toluene	Toluene-d8 (IS)	11.097	11.121	42,080	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.252	8,233	
m-/p-Xylene	Toluene-d8 (IS)	13.424	13.459	13,177	
o-Xylene	Toluene-d8 (IS)	13.904	13.922	5,034	

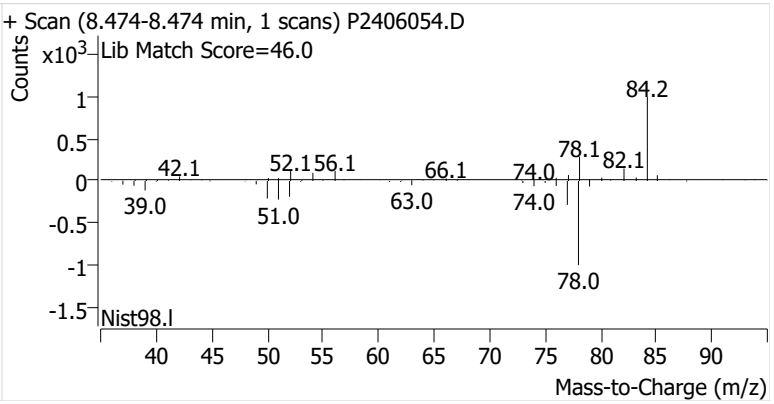
benzene-d6 (IS)



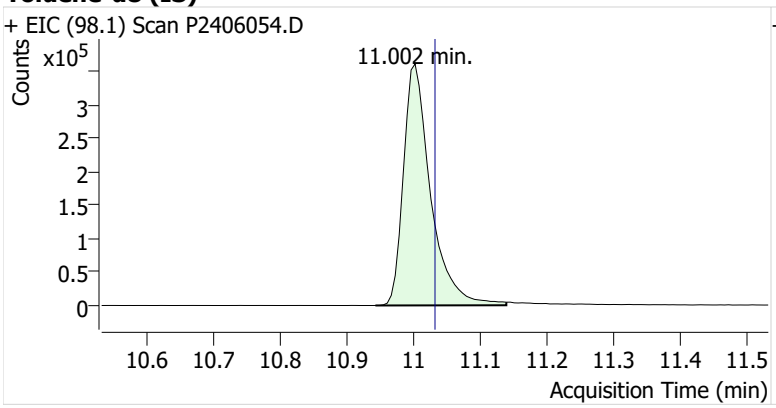


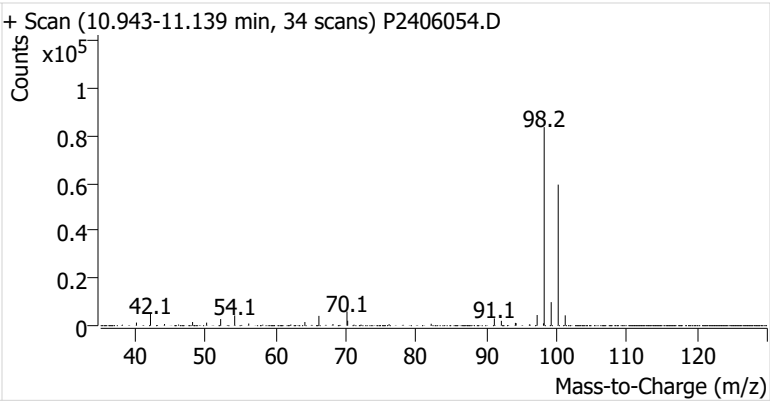
Benzene



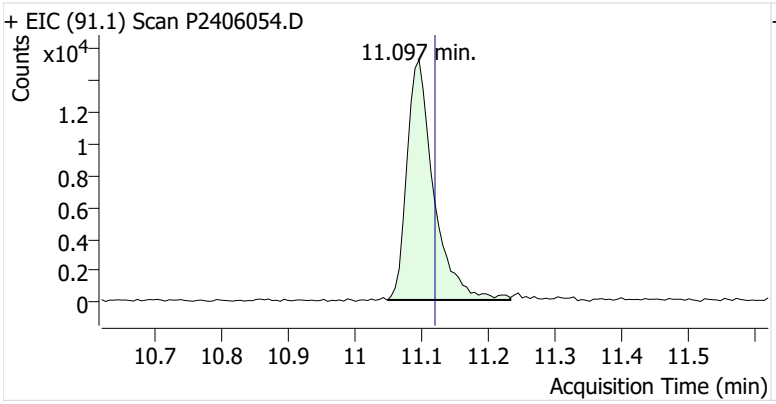


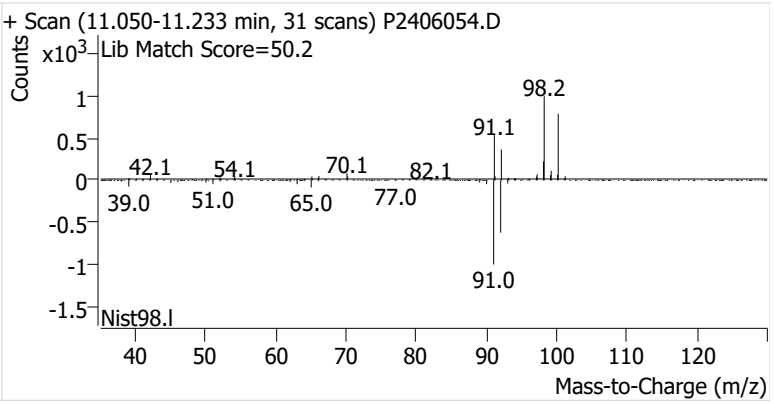
Toluene-d8 (IS)



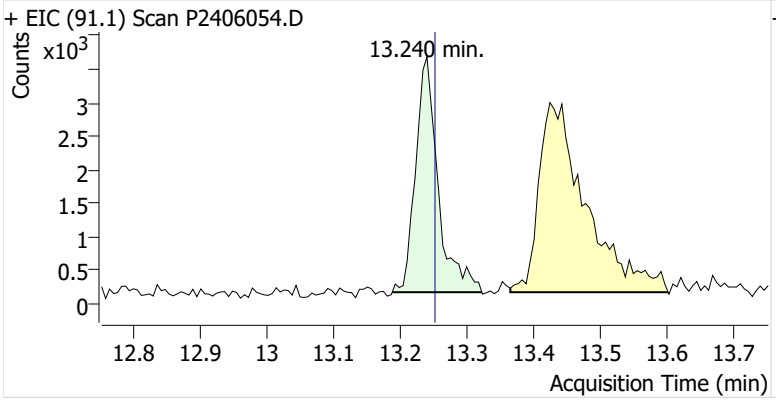


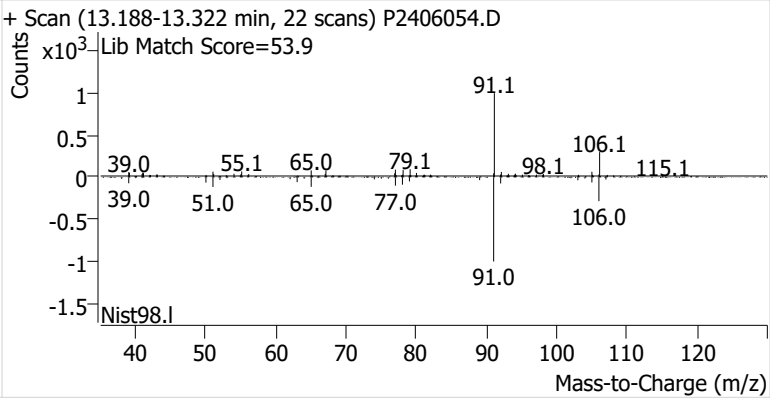
Toluene



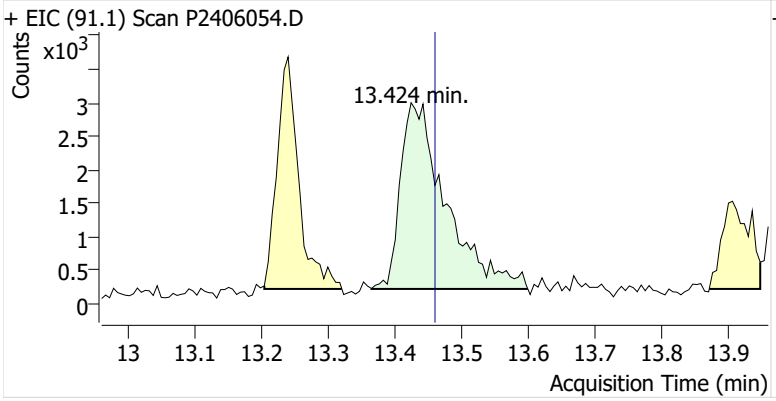


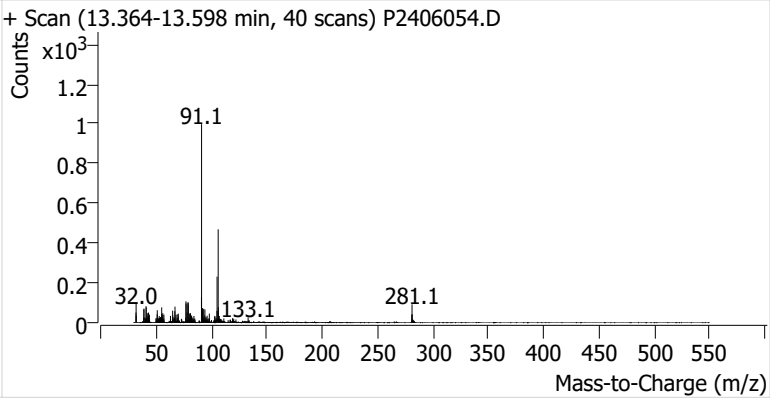
Ethylbenzene



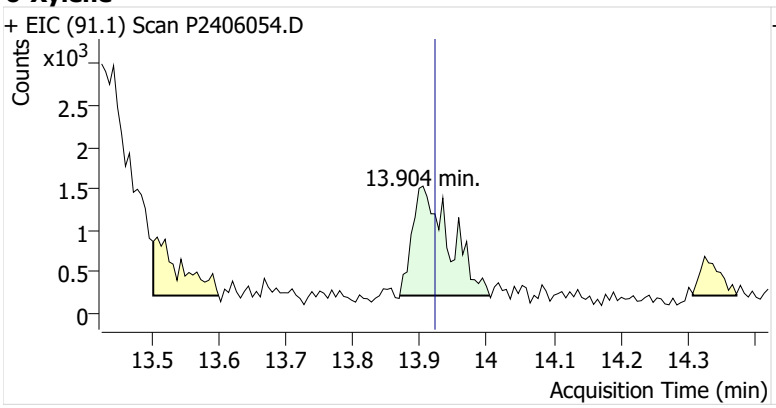


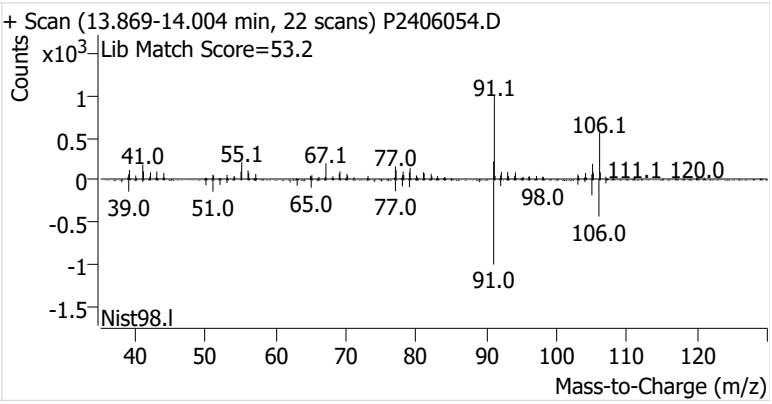
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan P2406054.D
Counts
x10^3
2.5
2
1.5
1
0.5
0
13.904 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.869-14.004 min, 22 scans) P2406054.D
Counts
x10^3
Lib Match Score=53.2
1
0.5
0
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-1
-1.5
91.1
106.1
41.0
55.1
67.1
77.0
111.1
120.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.896	0.979	0.896	-8.5%	-5.6%		Pass	
2024GG402 Method Blank-1	Blank		0.979	0.896			-15%	Pass	ND
M325B CCV 5	Check	0.922	0.979	0.896	-5.9%		-1.7%	Pass	
M325B CCV 5	Check	0.912	0.979	0.896	-6.9%		0.060%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.945	0.951	0.945	-0.56%	-7.2%		Pass	
2024GG402 Method Blank-1	Blank		0.951	0.945			-6.0%	Pass	ND
M325B CCV 5	Check	0.929	0.951	0.945	-2.3%		0.85%	Pass	
M325B CCV 5	Check	0.935	0.951	0.945	-1.7%		1.5%	Pass	

m-/p-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.672	0.677	0.672	-0.67%	-7.2%		Pass	
2024GG402 Method Blank-1	Blank		0.677	0.672			-6.0%	Pass	ND
M325B CCV 5	Check	0.667	0.677	0.672	-1.5%		0.85%	Pass	
M325B CCV 5	Check	0.642	0.677	0.672	-5.2%		1.5%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.756	0.720	0.756	5.0%	-7.2%		Pass	
2024GG402 Method Blank-1	Blank		0.720	0.756			-6.0%	Pass	ND
M325B CCV 5	Check	0.719	0.720	0.756	-0.095%		0.85%	Pass	
M325B CCV 5	Check	0.741	0.720	0.756	2.9%		1.5%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.848	0.898	0.848	-5.6%	-7.2%		Pass	
2024GG402 Method Blank-1	Blank		0.898	0.848			-6.0%	Pass	ND
M325B CCV 5	Check	0.829	0.898	0.848	-7.7%		0.85%	Pass	
M325B CCV 5	Check	0.838	0.898	0.848	-6.7%		1.5%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	Benzene	1	P2404977.D	5.19	53200	91.7	825638	1.138	16%
P090624A BTEX.quantmethod.xml	Benzene	2	P2404978.D	10.38	91845	91.7	790527	1.026	4.8%
P090624A BTEX.quantmethod.xml	Benzene	3	P2404979.D	20.76	168704	91.7	766300	0.972	-0.72%
P090624A BTEX.quantmethod.xml	Benzene	4	P2404980.D	41.51	319641	91.7	739567	0.954	-2.5%
P090624A BTEX.quantmethod.xml	Benzene	5	P2404981.D	103.78	770808	91.7	741300	0.919	-6.2%
P090624A BTEX.quantmethod.xml	Benzene	6	P2404982.D	207.57	1506802	91.7	718096	0.927	-5.4%
P090624A BTEX.quantmethod.xml	Benzene	7	P2404983.D	622.70	4556203	91.7	729727	0.919	-6.1%
						Avg:	758736	0.979	
						%RSD:	5.0%	8.2%	
P090624A BTEX.quantmethod.xml	Ethylbenzene	1	P2404977.D	5.33	56151	108.1	1169254	0.974	2.4%
P090624A BTEX.quantmethod.xml	Ethylbenzene	2	P2404978.D	10.67	105621	108.1	1107038	0.967	1.7%
P090624A BTEX.quantmethod.xml	Ethylbenzene	3	P2404979.D	21.33	219430	108.1	1067634	1.042	9.6%
P090624A BTEX.quantmethod.xml	Ethylbenzene	4	P2404980.D	42.67	414505	108.1	1079066	0.973	2.4%
P090624A BTEX.quantmethod.xml	Ethylbenzene	5	P2404981.D	106.66	889663	108.1	1042115	0.865	-9.0%
P090624A BTEX.quantmethod.xml	Ethylbenzene	6	P2404982.D	213.33	1888178	108.1	1053728	0.908	-4.5%
P090624A BTEX.quantmethod.xml	Ethylbenzene	7	P2404983.D	639.99	5839841	108.1	1066774	0.925	-2.7%
						Avg:	1083659	0.951	
						%RSD:	4.0%	6.0%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	m-/p-Xylene	1	P2404977.D	5.37	41219	108.1	1169254	0.710	4.9%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	2	P2404978.D	10.74	70608	108.1	1107038	0.642	-5.1%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	3	P2404979.D	21.47	173334	108.1	1067634	0.817	21%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	4	P2404980.D	42.95	287337	108.1	1079066	0.670	-0.95%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	5	P2404981.D	107.36	601872	108.1	1042115	0.582	-14%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	6	P2404982.D	214.73	1307488	108.1	1053728	0.625	-7.7%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	7	P2404983.D	644.18	4394447	108.1	1066774	0.691	2.1%
						Avg:	1083659	0.677	
						%RSD:	4.0%	11%	
P090624A BTEX.quantmethod.xml	o-Xylene	1	P2404977.D	5.40	44196	108.1	1169254	0.757	5.1%
P090624A BTEX.quantmethod.xml	o-Xylene	2	P2404978.D	10.80	82293	108.1	1107038	0.745	3.4%
P090624A BTEX.quantmethod.xml	o-Xylene	3	P2404979.D	21.59	162748	108.1	1067634	0.763	6.0%
P090624A BTEX.quantmethod.xml	o-Xylene	4	P2404980.D	43.18	323877	108.1	1079066	0.752	4.4%
P090624A BTEX.quantmethod.xml	o-Xylene	5	P2404981.D	107.95	690821	108.1	1042115	0.664	-7.8%
P090624A BTEX.quantmethod.xml	o-Xylene	6	P2404982.D	215.90	1404667	108.1	1053728	0.668	-7.3%
P090624A BTEX.quantmethod.xml	o-Xylene	7	P2404983.D	647.71	4429477	108.1	1066774	0.693	-3.8%
						Avg:	1083659	0.720	
						%RSD:	4.0%	6.1%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG402-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P090624A BTEX.quantmethod.xml	Toluene	1	P2404977.D	5.39	60242	108.1	1169254	1.034	15%
P090624A BTEX.quantmethod.xml	Toluene	2	P2404978.D	10.78	103782	108.1	1107038	0.940	4.7%
P090624A BTEX.quantmethod.xml	Toluene	3	P2404979.D	21.56	201417	108.1	1067634	0.946	5.3%
P090624A BTEX.quantmethod.xml	Toluene	4	P2404980.D	43.11	378117	108.1	1079066	0.879	-2.2%
P090624A BTEX.quantmethod.xml	Toluene	5	P2404981.D	107.78	866654	108.1	1042115	0.834	-7.1%
P090624A BTEX.quantmethod.xml	Toluene	6	P2404982.D	215.56	1738243	108.1	1053728	0.827	-7.9%
P090624A BTEX.quantmethod.xml	Toluene	7	P2404983.D	646.68	5279870	108.1	1066774	0.828	-7.9%
						Avg:	1083659	0.898	
						%RSD:	4.0%	8.7%	
P090624A BTEX.quantmethod.xml	Benzene	ICV	P2404984.D	63.61	412010	91.7	731399	0.812	-17%
P090624A BTEX.quantmethod.xml	Ethylbenzene	ICV	P2404984.D	85.41	703130	108.1	1042671	0.854	-10%
P090624A BTEX.quantmethod.xml	m-/p-Xylene	ICV	P2404984.D	88.90	563818	108.1	1042671	0.658	-2.8%
P090624A BTEX.quantmethod.xml	o-Xylene	ICV	P2404984.D	87.50	558957	108.1	1042671	0.662	-8%
P090624A BTEX.quantmethod.xml	Toluene	ICV	P2404984.D	75.87	552004	108.1	1042671	0.754	-16%

This Is The Last Page Of This Report.

Irving Oil – Searsport

52 Station Ave
Searsport, ME 04974

Sampling Event 4
PROJ-027957

Analytical Report
(2024GG403)

EPA Method 325B
Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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Report Issued: 11/14/2024

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylene (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
IRVSEA-1-S-20241017	C43649	0.590		0.326	J	1.07		0.374	J	1.42	
IRVSEA-2-S-20241017	B43896	0.715		0.358	J	0.986		0.326	J	1.89	
IRVSEA-2-D-20241017	C43688	0.703		0.315	J	1.14		0.396	J	2.40	
IRVSEA-2-B-20241017	B46929	0.230	J		ND		ND		ND	0.250	J
IRVSEA-3-S-20241017	B46654	0.847		0.412	J	1.21		0.475	J	2.71	
IRVSEA-4-S-20241017	B14191	1.41		0.566	J	2.10		0.743		3.86	
IRVSEA-5-S-20241017	B38540	1.18		0.749		2.54		0.901		4.05	
IRVSEA-6-S-20241017	B33701	1.77		1.29		4.31		1.62		6.32	
IRVSEA-7-S-20241017	C43248	2.74		2.20		8.63		3.06		10.6	
IRVSEA-8-S-20241017	B35017	3.18		2.40		8.52		3.13		12.2	
IRVSEA-8-D-20241017	C43190	3.06		1.93		7.74		2.84		11.5	
IRVSEA-8-B-20241017	B39477		ND		ND		ND		ND		ND
IRVSEA-9-S-20241017	C43726	1.66		1.02		4.08		1.53		5.54	
IRVSEA-10-S-20241017	C38878	1.83		1.27		4.99		1.76		6.59	
IRVSEA-11-S-20241017	C43281	1.73		1.17		4.39		1.58		6.18	
IRVSEA-12-S-20241017	C40107	1.83		1.03		3.95		1.40		6.83	
IRVSEA-13-S-20241017	C32998	1.01		0.637		2.23		0.858		3.39	
IRVSEA-14-S-20241017	B27865	0.704		0.461	J	1.20		0.542	J	1.88	
IRVSEA-15-S-20241017	B11708	0.658		0.341	J	0.908		0.306	J	1.33	
IRVSEA-16-S-20241017	C43678	0.564		0.283	J	1.02		0.359	J	1.35	
IRVSEA-17-S-20241017	B16394	0.566		0.418	J	0.827		0.280	J	1.40	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241017	C43649	0.590	0.185	7.72	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-2-S-20241017	B43896	0.715	0.224	9.35	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-2-D-20241017	C43688	0.703	0.220	9.20	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-2-B-20241017	B46929	0.230	0.0721	3.01	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	J
IRVSEA-3-S-20241017	B46654	0.847	0.265	11.1	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-4-S-20241017	B14191	1.41	0.443	18.5	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-5-S-20241017	B38540	1.18	0.369	15.4	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-6-S-20241017	B33701	1.77	0.554	23.1	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-7-S-20241017	C43248	2.74	0.857	35.8	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-8-S-20241017	B35017	3.18	0.997	41.6	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-8-D-20241017	C43190	3.06	0.958	40.0	48.2	0.652	20,075	0.191	0.401	0.0598	0.126	
IRVSEA-8-B-20241017	B39477				48.2	0.652	20,075	0.191	0.401	0.0598	0.126	ND
IRVSEA-9-S-20241017	C43726	1.66	0.519	21.7	48.2	0.652	20,080	0.191	0.401	0.0598	0.126	
IRVSEA-10-S-20241017	C38878	1.83	0.572	23.9	48.2	0.652	20,080	0.191	0.401	0.0598	0.126	
IRVSEA-11-S-20241017	C43281	1.73	0.542	22.6	48.2	0.652	20,080	0.191	0.401	0.0598	0.126	
IRVSEA-12-S-20241017	C40107	1.83	0.572	23.9	48.2	0.652	20,080	0.191	0.401	0.0598	0.126	
IRVSEA-13-S-20241017	C32998	1.01	0.315	13.2	48.2	0.652	20,080	0.191	0.401	0.0598	0.126	
IRVSEA-14-S-20241017	B27865	0.704	0.220	9.21	48.2	0.652	20,080	0.191	0.401	0.0598	0.126	
IRVSEA-15-S-20241017	B11708	0.658	0.206	8.60	48.2	0.652	20,070	0.191	0.401	0.0599	0.126	
IRVSEA-16-S-20241017	C43678	0.564	0.177	7.38	48.2	0.652	20,070	0.191	0.401	0.0599	0.126	
IRVSEA-17-S-20241017	B16394	0.566	0.177	7.40	48.2	0.652	20,070	0.191	0.401	0.0599	0.126	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241017	C43649	0.326	0.0750	2.92	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	J
IRVSEA-2-S-20241017	B43896	0.358	0.0825	3.22	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	J
IRVSEA-2-D-20241017	C43688	0.315	0.0726	2.83	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	J
IRVSEA-2-B-20241017	B46929				48.2	0.447	20,075	0.278	0.600	0.0641	0.138	ND
IRVSEA-3-S-20241017	B46654	0.412	0.0950	3.70	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	J
IRVSEA-4-S-20241017	B14191	0.566	0.131	5.09	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	J
IRVSEA-5-S-20241017	B38540	0.749	0.173	6.73	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	
IRVSEA-6-S-20241017	B33701	1.29	0.298	11.6	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	
IRVSEA-7-S-20241017	C43248	2.20	0.507	19.8	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	
IRVSEA-8-S-20241017	B35017	2.40	0.553	21.6	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	
IRVSEA-8-D-20241017	C43190	1.93	0.444	17.3	48.2	0.447	20,075	0.278	0.600	0.0641	0.138	
IRVSEA-8-B-20241017	B39477				48.2	0.447	20,075	0.278	0.600	0.0641	0.138	ND
IRVSEA-9-S-20241017	C43726	1.02	0.235	9.14	48.2	0.447	20,080	0.278	0.600	0.0641	0.138	
IRVSEA-10-S-20241017	C38878	1.27	0.293	11.4	48.2	0.447	20,080	0.278	0.600	0.0641	0.138	
IRVSEA-11-S-20241017	C43281	1.17	0.269	10.5	48.2	0.447	20,080	0.278	0.600	0.0641	0.138	
IRVSEA-12-S-20241017	C40107	1.03	0.237	9.23	48.2	0.447	20,080	0.278	0.600	0.0641	0.138	
IRVSEA-13-S-20241017	C32998	0.637	0.147	5.72	48.2	0.447	20,080	0.278	0.600	0.0641	0.138	
IRVSEA-14-S-20241017	B27865	0.461	0.106	4.14	48.2	0.447	20,080	0.278	0.600	0.0641	0.138	J
IRVSEA-15-S-20241017	B11708	0.341	0.0785	3.06	48.2	0.447	20,070	0.278	0.600	0.0641	0.138	J
IRVSEA-16-S-20241017	C43678	0.283	0.0653	2.54	48.2	0.447	20,070	0.278	0.600	0.0641	0.138	J
IRVSEA-17-S-20241017	B16394	0.418	0.0963	3.75	48.2	0.447	20,070	0.278	0.600	0.0641	0.138	J

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

m-/p-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241017	C43649	1.07	0.247	9.62	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-2-S-20241017	B43896	0.986	0.227	8.86	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-2-D-20241017	C43688	1.14	0.262	10.2	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-2-B-20241017	B46929				48.2	0.447	20,075	0.278	0.604	0.0641	0.139	ND
IRVSEA-3-S-20241017	B46654	1.21	0.279	10.9	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-4-S-20241017	B14191	2.10	0.483	18.8	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-5-S-20241017	B38540	2.54	0.584	22.8	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-6-S-20241017	B33701	4.31	0.992	38.7	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-7-S-20241017	C43248	8.63	1.99	77.5	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-8-S-20241017	B35017	8.52	1.96	76.5	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-8-D-20241017	C43190	7.74	1.78	69.6	48.2	0.447	20,075	0.278	0.604	0.0641	0.139	
IRVSEA-8-B-20241017	B39477				48.2	0.447	20,075	0.278	0.604	0.0641	0.139	ND
IRVSEA-9-S-20241017	C43726	4.08	0.941	36.7	48.2	0.447	20,080	0.278	0.604	0.0641	0.139	
IRVSEA-10-S-20241017	C38878	4.99	1.15	44.8	48.2	0.447	20,080	0.278	0.604	0.0641	0.139	
IRVSEA-11-S-20241017	C43281	4.39	1.01	39.4	48.2	0.447	20,080	0.278	0.604	0.0641	0.139	
IRVSEA-12-S-20241017	C40107	3.95	0.911	35.5	48.2	0.447	20,080	0.278	0.604	0.0641	0.139	
IRVSEA-13-S-20241017	C32998	2.23	0.513	20.0	48.2	0.447	20,080	0.278	0.604	0.0641	0.139	
IRVSEA-14-S-20241017	B27865	1.20	0.277	10.8	48.2	0.447	20,080	0.278	0.604	0.0641	0.139	
IRVSEA-15-S-20241017	B11708	0.908	0.209	8.15	48.2	0.447	20,070	0.278	0.604	0.0641	0.139	
IRVSEA-16-S-20241017	C43678	1.02	0.235	9.16	48.2	0.447	20,070	0.278	0.604	0.0641	0.139	
IRVSEA-17-S-20241017	B16394	0.827	0.191	7.43	48.2	0.447	20,070	0.278	0.604	0.0641	0.139	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241017	C43649	0.374	0.0861	3.36	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	J
IRVSEA-2-S-20241017	B43896	0.326	0.0750	2.93	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	J
IRVSEA-2-D-20241017	C43688	0.396	0.0912	3.55	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	J
IRVSEA-2-B-20241017	B46929				48.2	0.447	20,075	0.278	0.608	0.0641	0.140	ND
IRVSEA-3-S-20241017	B46654	0.475	0.109	4.27	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	J
IRVSEA-4-S-20241017	B14191	0.743	0.171	6.67	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	
IRVSEA-5-S-20241017	B38540	0.901	0.208	8.10	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	
IRVSEA-6-S-20241017	B33701	1.62	0.373	14.5	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	
IRVSEA-7-S-20241017	C43248	3.06	0.704	27.4	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	
IRVSEA-8-S-20241017	B35017	3.13	0.721	28.1	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	
IRVSEA-8-D-20241017	C43190	2.84	0.655	25.5	48.2	0.447	20,075	0.278	0.608	0.0641	0.140	
IRVSEA-8-B-20241017	B39477				48.2	0.447	20,075	0.278	0.608	0.0641	0.140	ND
IRVSEA-9-S-20241017	C43726	1.53	0.352	13.7	48.2	0.447	20,080	0.278	0.607	0.0641	0.140	
IRVSEA-10-S-20241017	C38878	1.76	0.406	15.8	48.2	0.447	20,080	0.278	0.607	0.0641	0.140	
IRVSEA-11-S-20241017	C43281	1.58	0.364	14.2	48.2	0.447	20,080	0.278	0.607	0.0641	0.140	
IRVSEA-12-S-20241017	C40107	1.40	0.323	12.6	48.2	0.447	20,080	0.278	0.607	0.0641	0.140	
IRVSEA-13-S-20241017	C32998	0.858	0.198	7.71	48.2	0.447	20,080	0.278	0.607	0.0641	0.140	
IRVSEA-14-S-20241017	B27865	0.542	0.125	4.87	48.2	0.447	20,080	0.278	0.607	0.0641	0.140	J
IRVSEA-15-S-20241017	B11708	0.306	0.0704	2.75	48.2	0.447	20,070	0.278	0.608	0.0641	0.140	J
IRVSEA-16-S-20241017	C43678	0.359	0.0828	3.23	48.2	0.447	20,070	0.278	0.608	0.0641	0.140	J
IRVSEA-17-S-20241017	B16394	0.280	0.0646	2.52	48.2	0.447	20,070	0.278	0.608	0.0641	0.140	J

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241017	C43649	1.42	0.378	14.4	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-2-S-20241017	B43896	1.89	0.502	19.2	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-2-D-20241017	C43688	2.40	0.638	24.4	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-2-B-20241017	B46929	0.250	0.0663	2.54	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	J
IRVSEA-3-S-20241017	B46654	2.71	0.721	27.6	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-4-S-20241017	B14191	3.86	1.02	39.2	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-5-S-20241017	B38540	4.05	1.07	41.1	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-6-S-20241017	B33701	6.32	1.68	64.2	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-7-S-20241017	C43248	10.6	2.80	107	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-8-S-20241017	B35017	12.2	3.25	124	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-8-D-20241017	C43190	11.5	3.06	117	48.2	0.506	20,075	0.246	0.537	0.0654	0.142	
IRVSEA-8-B-20241017	B39477				48.2	0.506	20,075	0.246	0.537	0.0654	0.142	ND
IRVSEA-9-S-20241017	C43726	5.54	1.47	56.2	48.2	0.506	20,080	0.246	0.536	0.0654	0.142	
IRVSEA-10-S-20241017	C38878	6.59	1.75	66.9	48.2	0.506	20,080	0.246	0.536	0.0654	0.142	
IRVSEA-11-S-20241017	C43281	6.18	1.64	62.8	48.2	0.506	20,080	0.246	0.536	0.0654	0.142	
IRVSEA-12-S-20241017	C40107	6.83	1.81	69.3	48.2	0.506	20,080	0.246	0.536	0.0654	0.142	
IRVSEA-13-S-20241017	C32998	3.39	0.899	34.4	48.2	0.506	20,080	0.246	0.536	0.0654	0.142	
IRVSEA-14-S-20241017	B27865	1.88	0.498	19.1	48.2	0.506	20,080	0.246	0.536	0.0654	0.142	
IRVSEA-15-S-20241017	B11708	1.33	0.354	13.5	48.2	0.506	20,070	0.246	0.537	0.0654	0.143	
IRVSEA-16-S-20241017	C43678	1.35	0.360	13.7	48.2	0.506	20,070	0.246	0.537	0.0654	0.143	
IRVSEA-17-S-20241017	B16394	1.40	0.372	14.2	48.2	0.506	20,070	0.246	0.537	0.0654	0.143	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
Blanks (ug/m³)	IRVSEA-2-B-20241017	0.230	Pass	ND	Pass	ND	Pass	ND	Pass	0.250	Pass
	IRVSEA-8-B-20241017	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	IRVSEA-2-D-20241017	1.6%	Pass	13%	Pass	14%	Pass	19%	Pass	24%	Pass
	IRVSEA-8-D-20241017	3.9%	Pass	22%	Pass	9.5%	Pass	9.7%	Pass	6.1%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	Irving Oil - Searsport
Project	PROJ-027957
Report #	2024GG403

Custody	Enthalpy Analytical, LLC received the sample tubes on 11/06/24. The samples were received in good condition at a temperature of 21.3 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD.M) is not included in this report but may be available upon request.
Calibration	All BFB tune criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

ENTHALPY ANALYTICAL

2024GG403

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROJ-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brown	**Sorbent:**	
State	Maine	**Email Address:**	haigbrown@Montrose-env.com		
Zip:	04974	**Telephone #:**	207.441.0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	C43649	S	10/17/24	10:35	10/31/24	9:10	HFS / HFS		
2	B43896	S	10/17/24	10:40	10/31/24	9:15	HFS / HFS		
2	C43688	D	10/17/24	10:40	10/31/24	9:15	HFS / HFS		
2	B46929	B	10/17/24	10:40	10/31/24	9:15	HFS / HFS		
3	B46654	S	10/17/24	10:50	10/31/24	9:25	HFS / HFS		
4	B14191	S	10/17/24	10:55	10/31/24	9:30	HFS / HFS		
5	B38540	S	10/17/24	11:00	10/31/24	9:35	HFS / HFS		
6	B33701	S	10/17/24	11:05	10/31/24	9:40	HFS / HFS		

Relinquished By (printed): Haig Brown	**Relinquished By (signature):**	**Relinquished Date:** 10/31/24	**Relinquished Time:** 14:30
Recieved By (printed): Abby Browning	**Recieved By (signature):** Abby B	**Receipt Date:** 11/6/24	**Receipt Time:** 10:00
Sample Condition Upon Receipt: Good	**Compound List:**	**Custody Seal intact? Y/N:** Yes	**Delivery tracking #**
Ice Temp:	**Blank Temp:** 21.3 Fluke 7A	**Add Custody Seal # below:** 24A00956	

Comments:

ENTHALPY ANALYTICAL

2024GG403

EPA Method 325 A Field Test Data Sheet and Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROJ-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haley Brown	**Sorbent:**	
State	Maine	**Email Address:**	haleybrown@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	C43248	S	10/17/24	11:10	10/31/24	9:45	HBS / HBS		
8	B35017	S	10/17/24	11:15	10/31/24	9:50	HBS / HBS		
8	C43190	D	10/17/24	11:15	10/31/24	9:50	HBS / HBS		
8	B39477	B	10/17/24	11:15	10/31/24	9:50	HBS / HBS		
9	C43726	S	10/17/24	11:20	10/31/24	10:00	HBS / HBS		
10	C38878	S	10/17/24	1125	10/31/24	10:05	HBS / HBS		
11	C43281	S	10/17/24	11:30	10/31/24	10:10	HBS / HBS		
12	C40107	S	10/17/24	11:35	10/31/24	10:15	HBS / HBS		

Relinquished By (printed): Haley Brown	**Relinquished By (signature):**	**Relinquished Date:** 10/31/2024	**Relinquished Time:** 14:30
Recieved By (printed): Abby Browning	**Recieved By (signature):** Abby B	**Receipt Date:** 11/6/24	**Receipt Time:** 10:00
Sample Condition Upon Receipt: Good	**Compound List:**	**Custody Seal intact? Y/N:** Yes	**Delivery tracking #**
Ice Temp:	**Blank Temp:** 21.3 Fluke 7A	**Add Custody Seal # below:** 24A00956	

Comments:

ENTHALPY ANALYTICAL

2024GG403

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROJ-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brown	**Sorbent:**	
State	Maine	**Email Address:**	haigbrown@Montrose-envi.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	C32998	S	10/17/24	11:40	10/31/24	10:20	HBB / HBB		
14	B27865	S	10/17/24	11:45	10/31/24	10:25	HBB / HBB		
15	B11708	S	10/17/24	12:10	10/31/24	10:40	HBB / HBB		
16	C43678	S	10/17/24	12:15	10/31/24	10:45	HBB / HBB		
17	B16394	S	10/17/24	12:20	10/31/24	10:50	HBB / HBB		
							/		
							/		
							/		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brown		10/31/2024	14:30
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Abby Browning	Abby B	11/6/24	10:00

Sample Condition Upon Regeipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Yes	
Ice Temp:	**Blank Temp:** 21.3 Fluke 7A	**Add Custody Seal # below:** 24A00956	

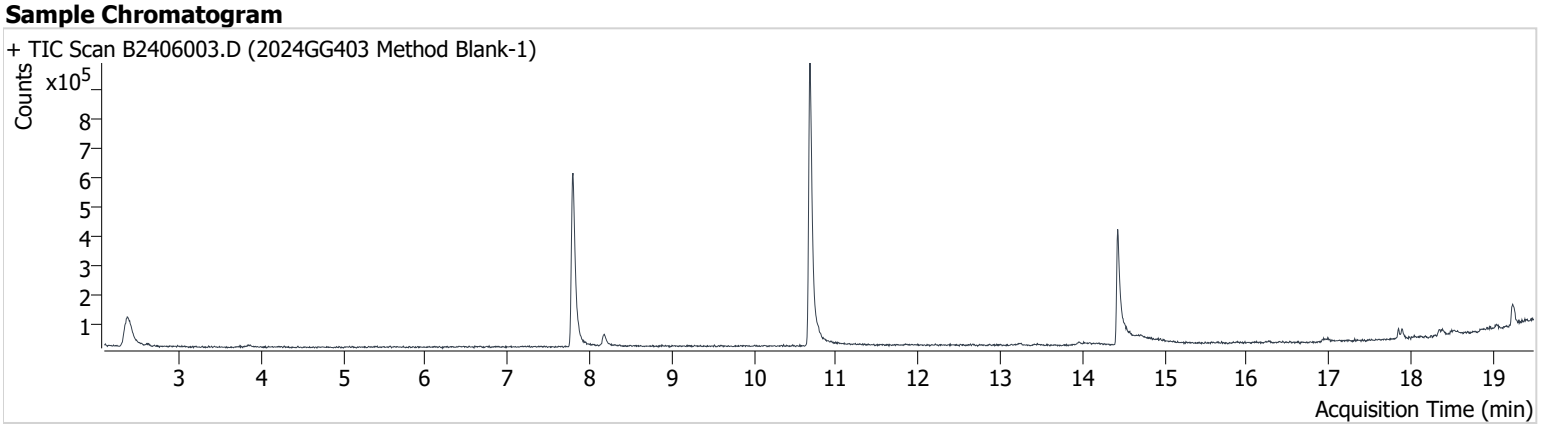
Comments:

Sample Chromatograms

ENTHALPY ANALYTICAL

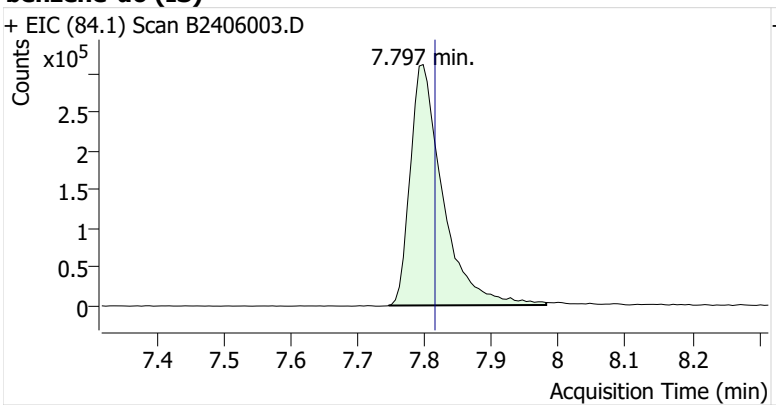
Name	2024GG403 Method Blank-1
Comment	B17592
Data File	B2406003.D
Acq. Date-Time	11/6/2024 10:08:49 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

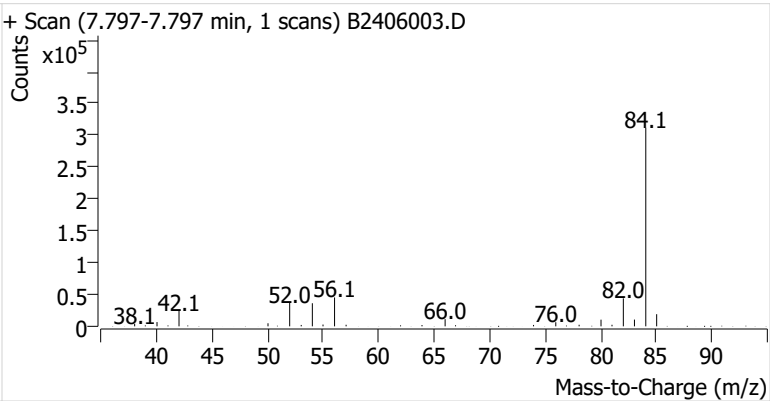
Sample Chromatogram



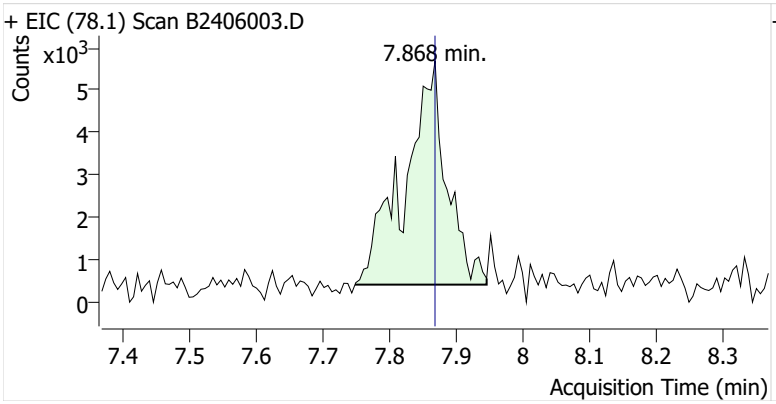
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,050,713	
Benzene	benzene-d6 (IS)	7.868	7.868	23,109	
Toluene-d8 (IS)		10.682	10.693	1,177,720	
Toluene	Toluene-d8 (IS)	10.789	10.794	17,108	
Ethylbenzene	Toluene-d8 (IS)	13.228	13.198	8,577	
m-/p-Xylene	Toluene-d8 (IS)	13.436	13.412	3,428	
o-Xylene	Toluene-d8 (IS)	13.952	13.934	3,211	

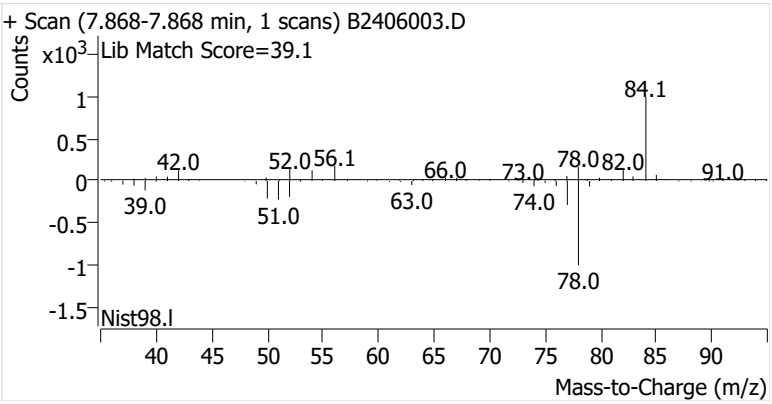
benzene-d6 (IS)



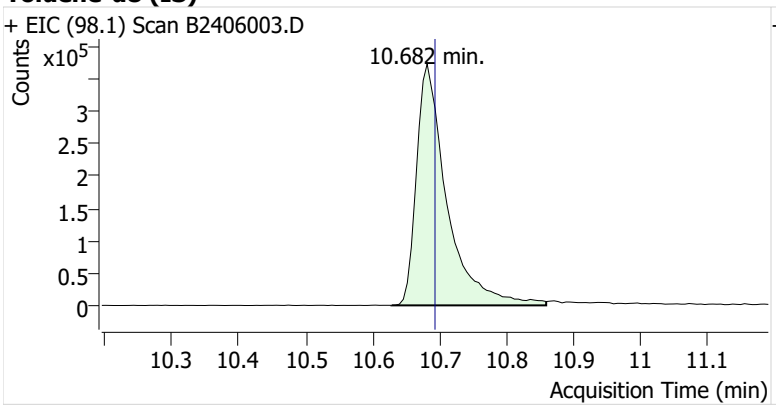


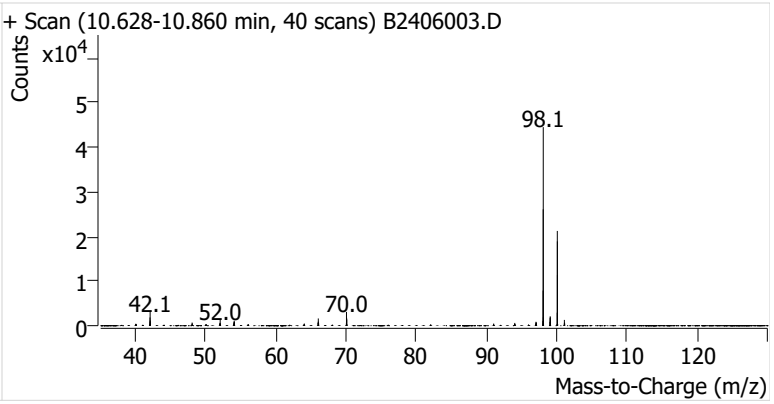
Benzene



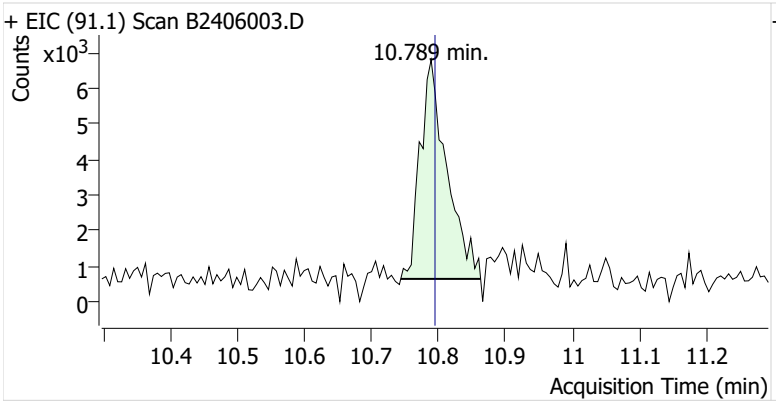


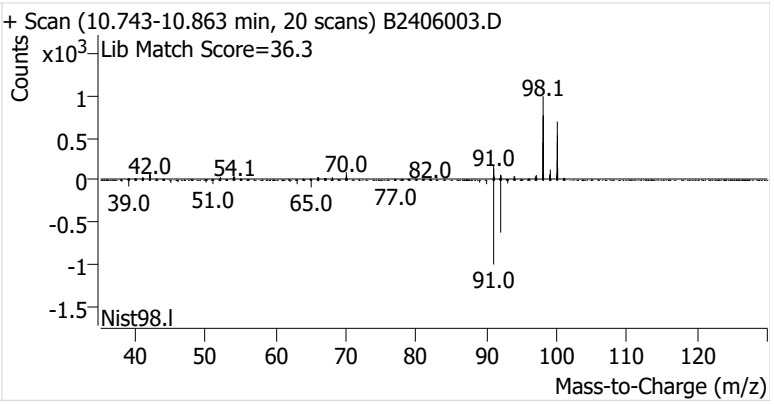
Toluene-d8 (IS)



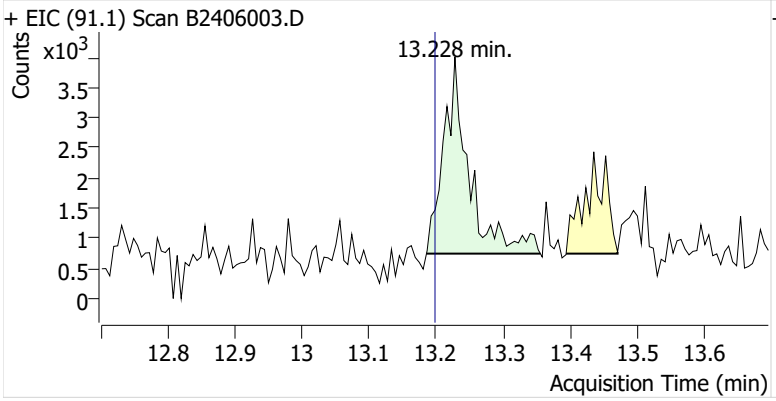


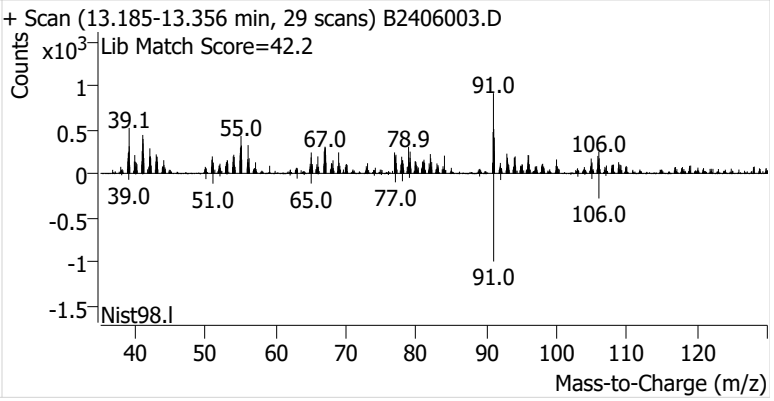
Toluene



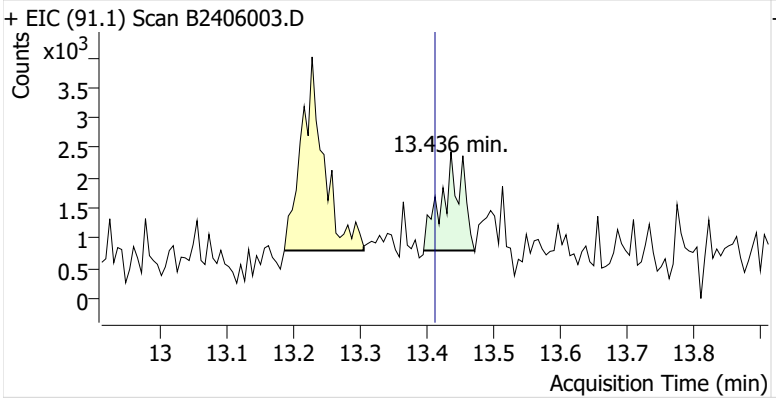


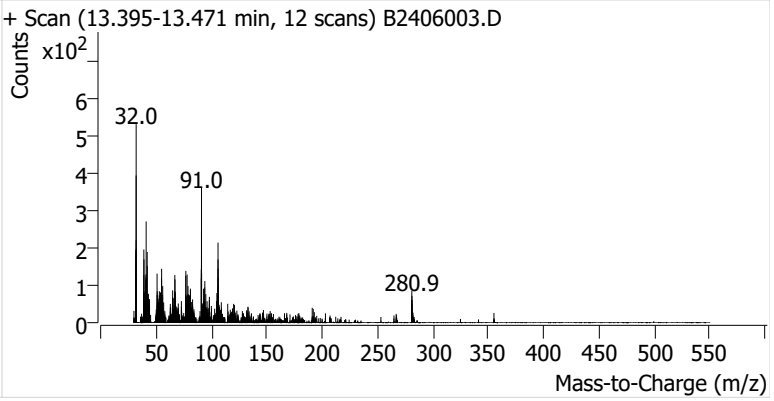
Ethylbenzene



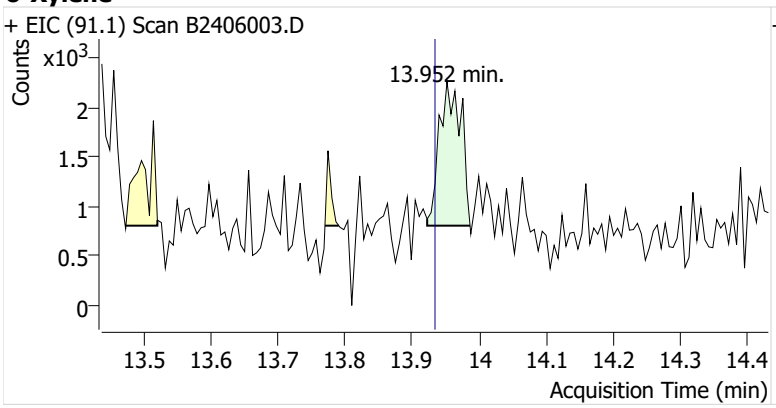


m-/p-Xylene





o-Xylene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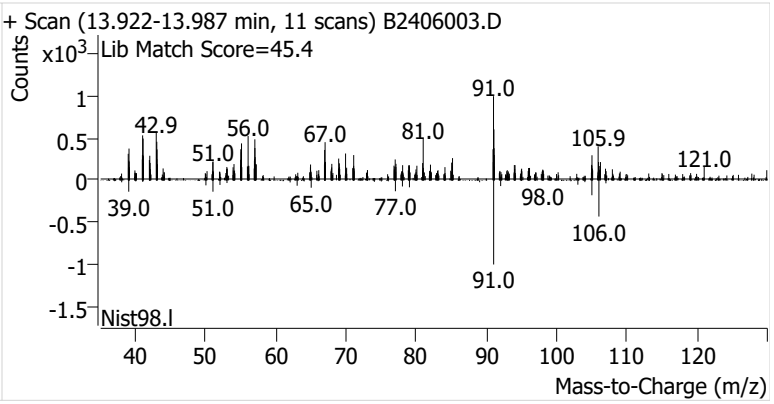
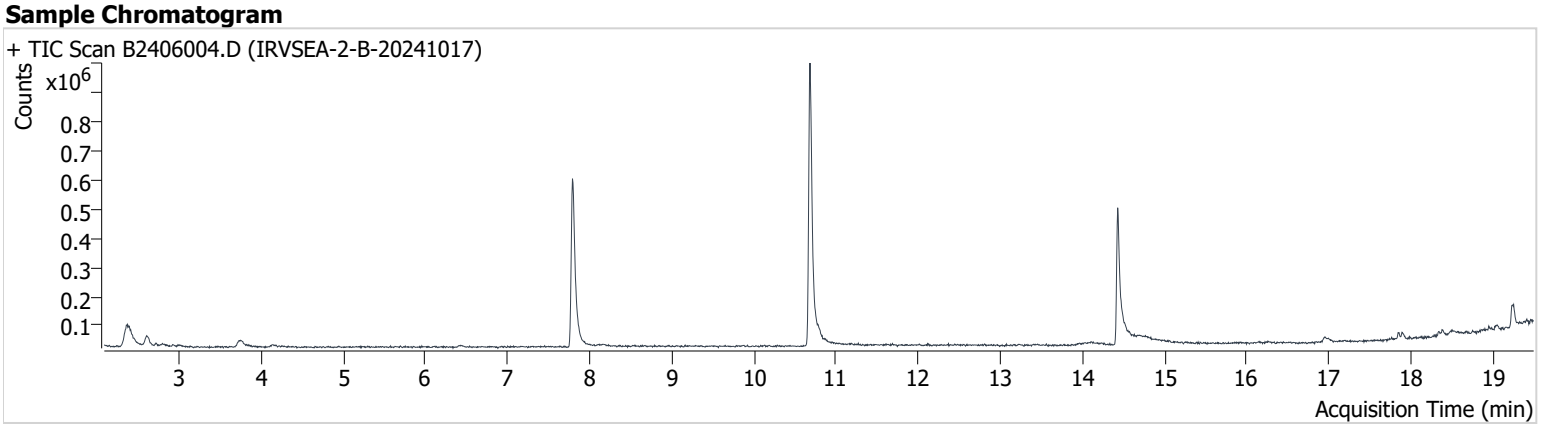
Counts
x10^3
13.952 min.
Acquisition Time (min)


+ Scan (13.922-13.987 min, 11 scans) B2406003.D
Lib Match Score=45.4
Counts
x10^3
Nist98.l
Mass-to-Charge (m/z)

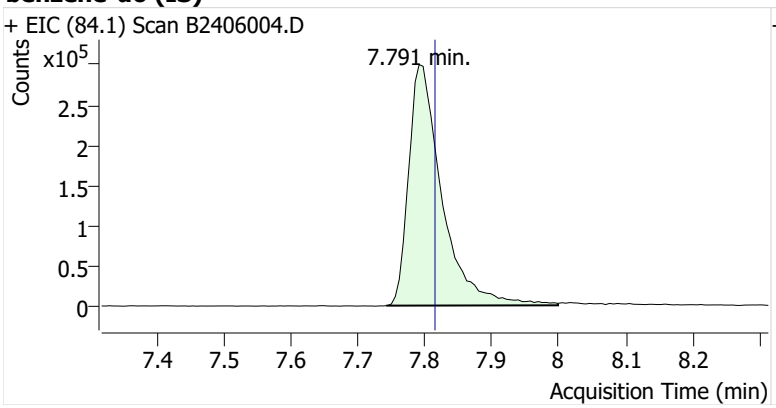
Name	IRVSEA-2-B-20241017
Comment	B46929
Data File	B2406004.D
Acq. Date-Time	11/6/2024 10:46:07 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

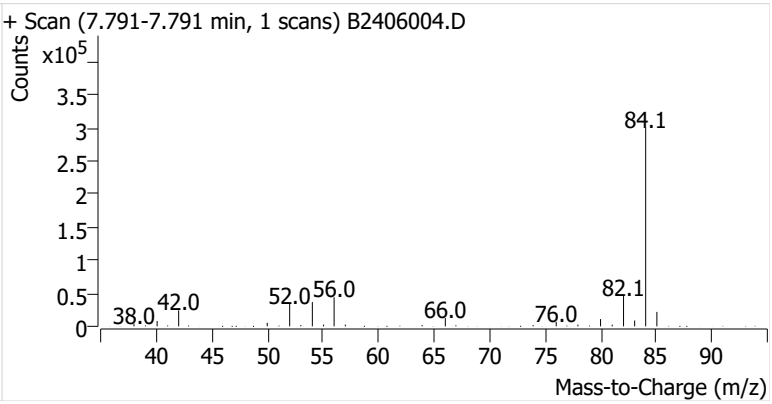
Sample Chromatogram



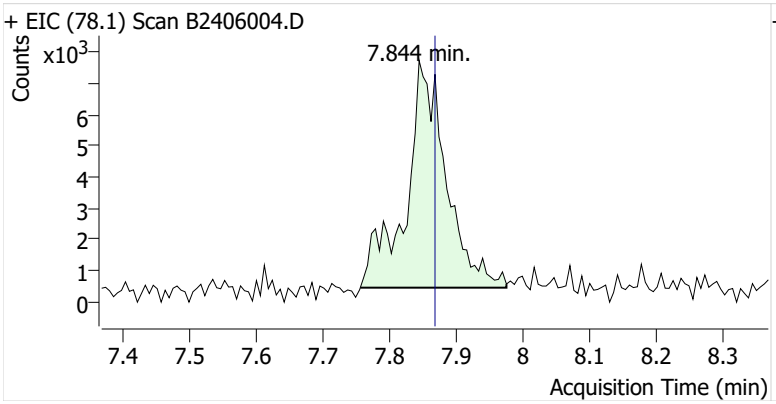
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	1,035,906	
Benzene	benzene-d6 (IS)	7.844	7.868	30,454	
Toluene-d8 (IS)		10.682	10.693	1,172,335	
Toluene	Toluene-d8 (IS)	10.794	10.794	29,023	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.198	3,881	
m-/p-Xylene	Toluene-d8 (IS)	13.406	13.412	6,177	
o-Xylene	Toluene-d8 (IS)	13.958	13.934	2,026	

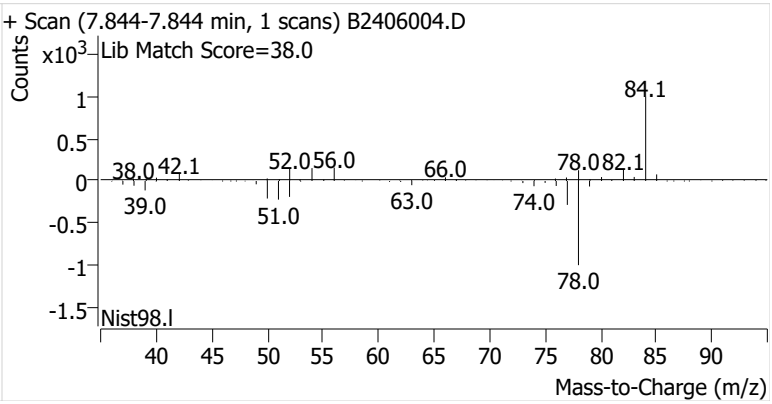
benzene-d6 (IS)



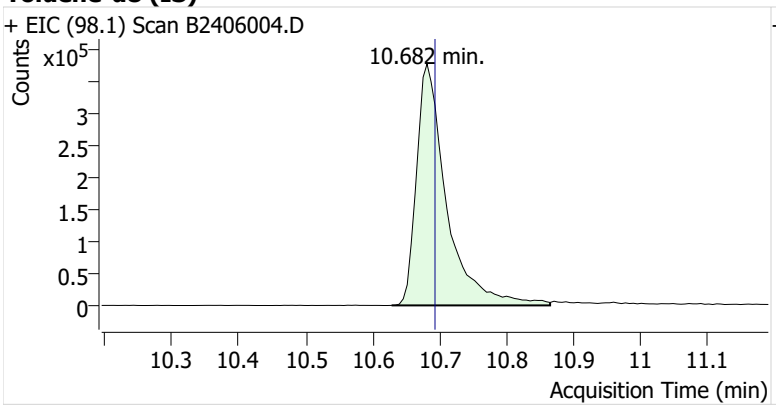


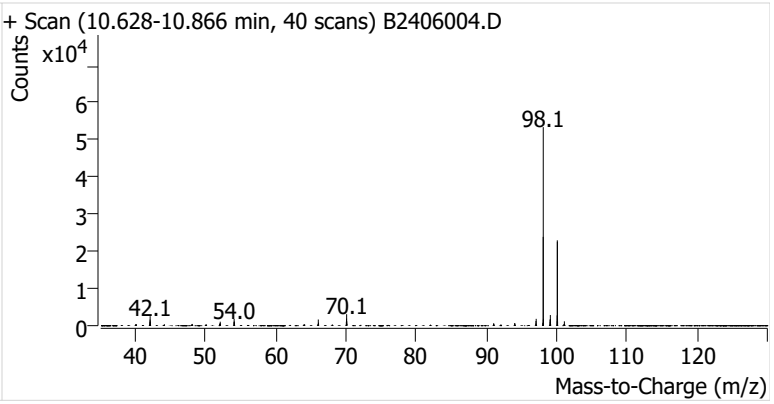
Benzene



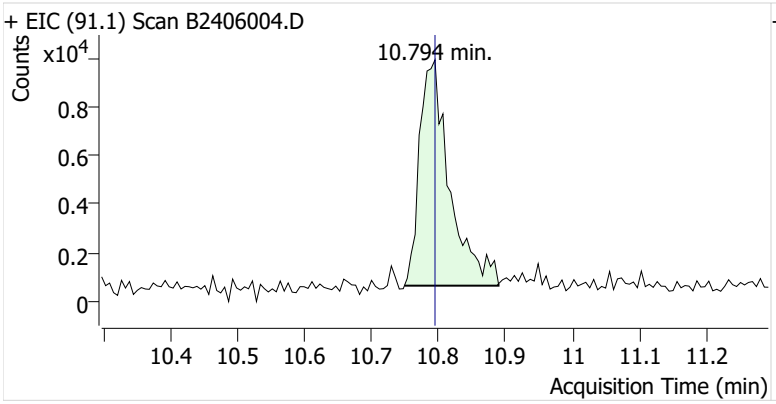


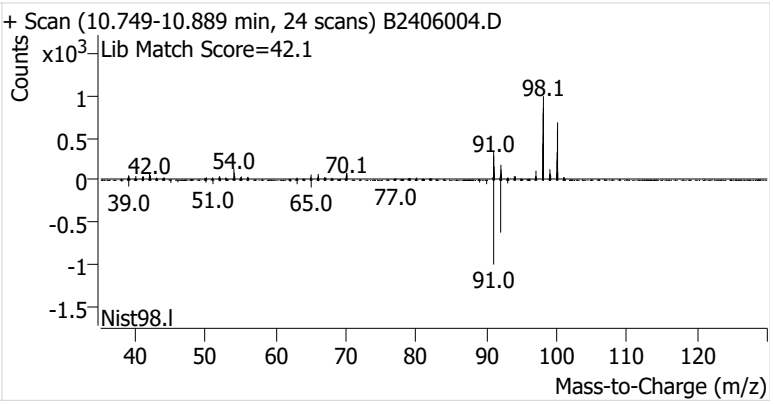
Toluene-d8 (IS)



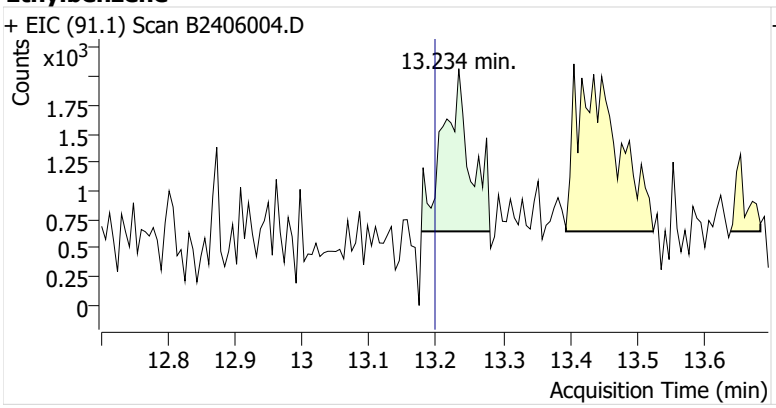


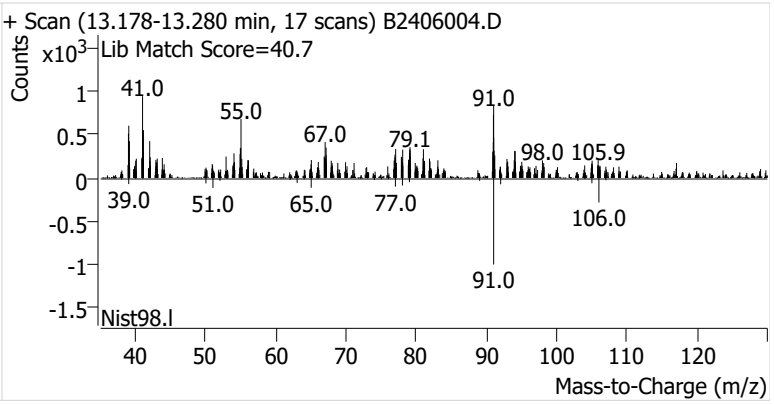
Toluene



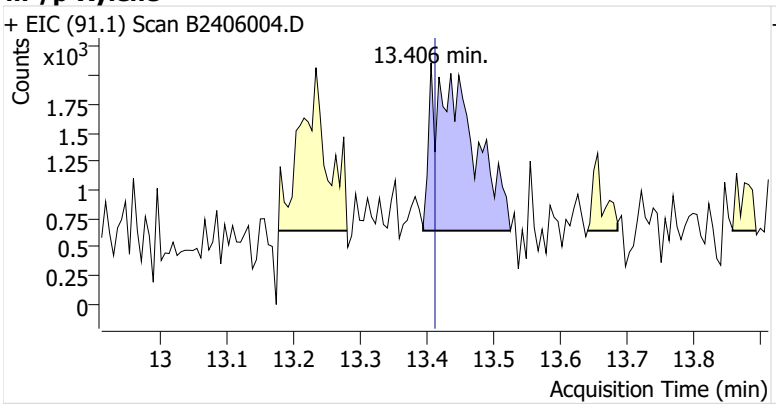


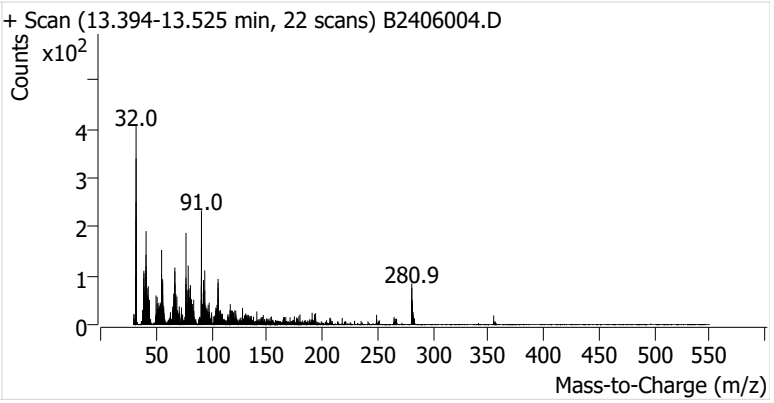
Ethylbenzene



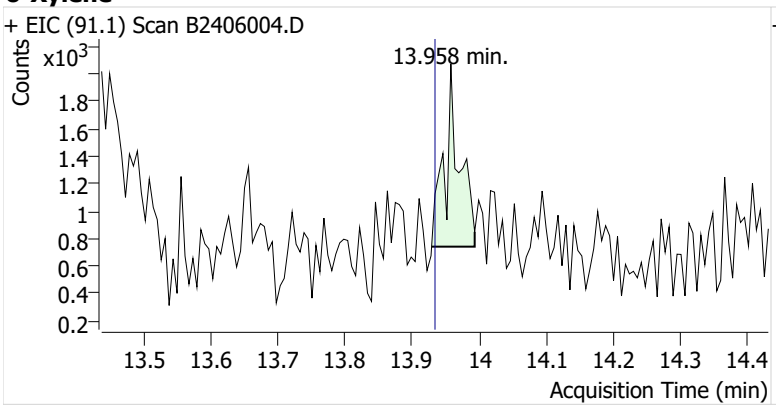


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan B2406004.D
Counts
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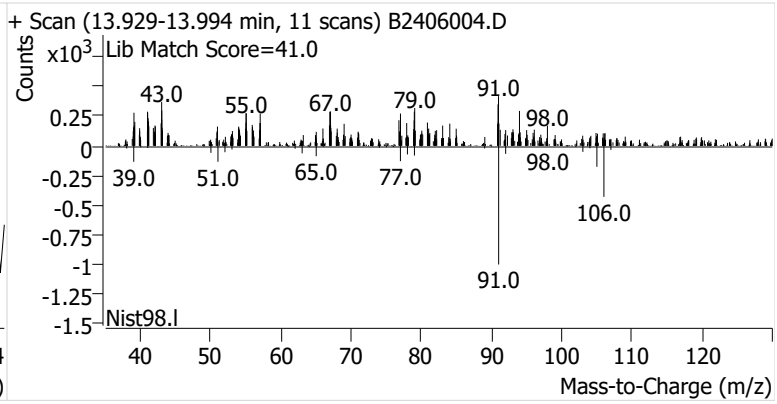
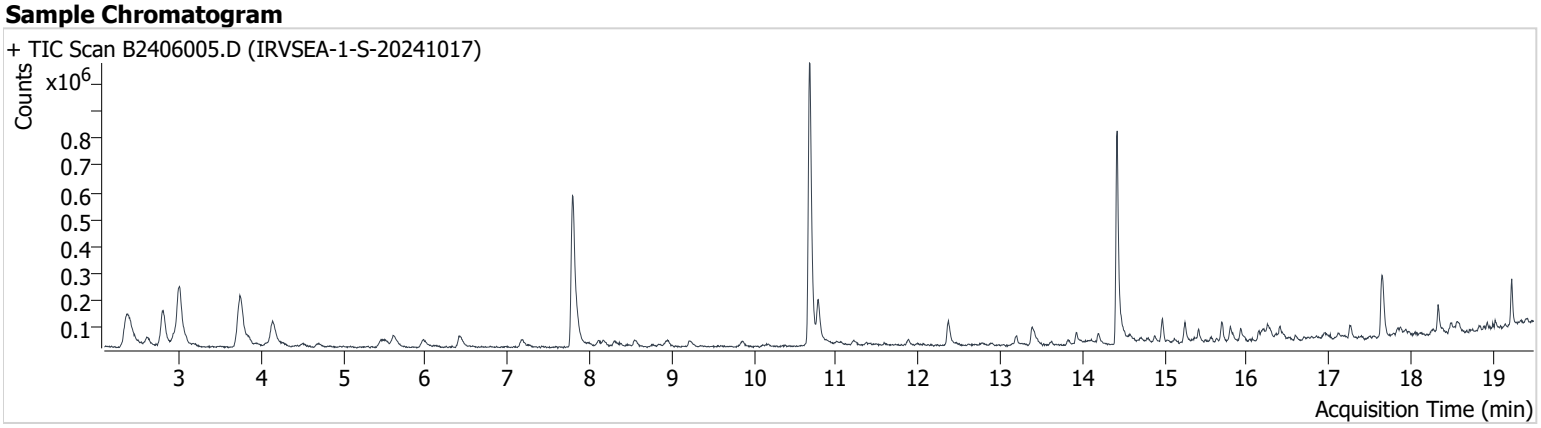
13.958 min.
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.929-13.994 min, 11 scans) B2406004.D
Counts
x10^3
Lib Match Score=41.0
43.0
55.0
67.0
79.0
91.0
98.0
98.0
106.0
39.0
51.0
65.0
77.0
91.0
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

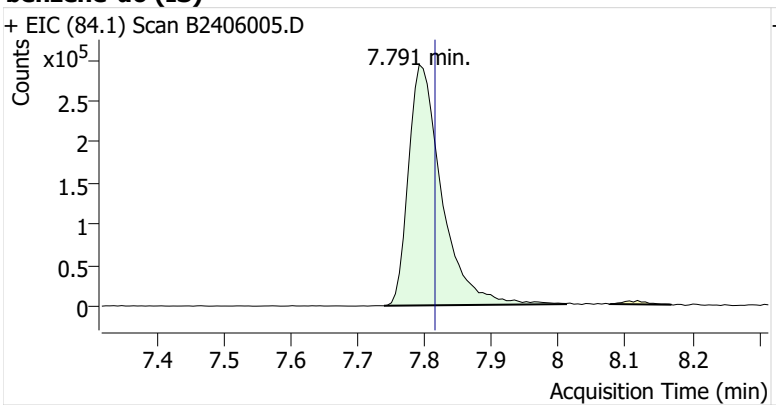
Name	IRVSEA-1-S-20241017
Comment	C43649
Data File	B2406005.D
Acq. Date-Time	11/6/2024 11:23:27 PM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

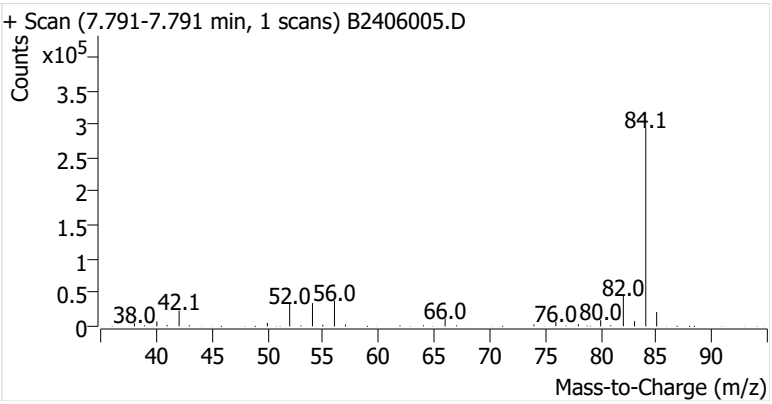
Sample Chromatogram



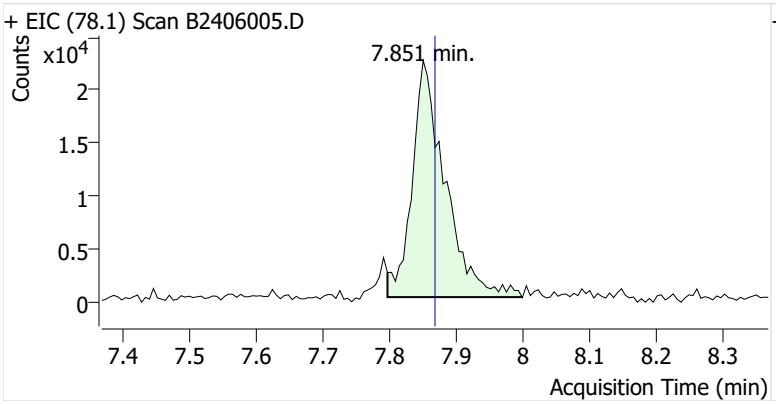
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	1,015,169	
Benzene	benzene-d6 (IS)	7.851	7.868	76,517	
Toluene-d8 (IS)		10.682	10.693	1,154,571	
Toluene	Toluene-d8 (IS)	10.783	10.794	162,843	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	38,406	
m-/p-Xylene	Toluene-d8 (IS)	13.388	13.412	89,446	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	36,271	

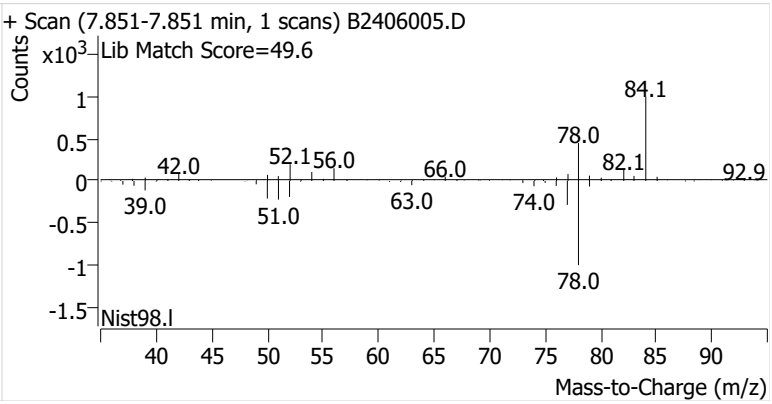
benzene-d6 (IS)



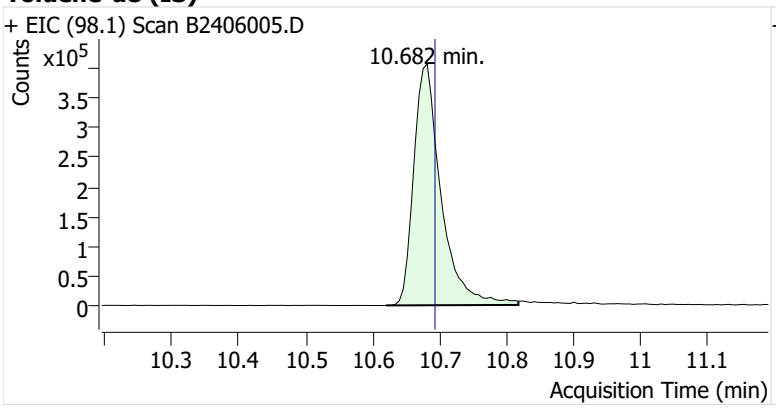


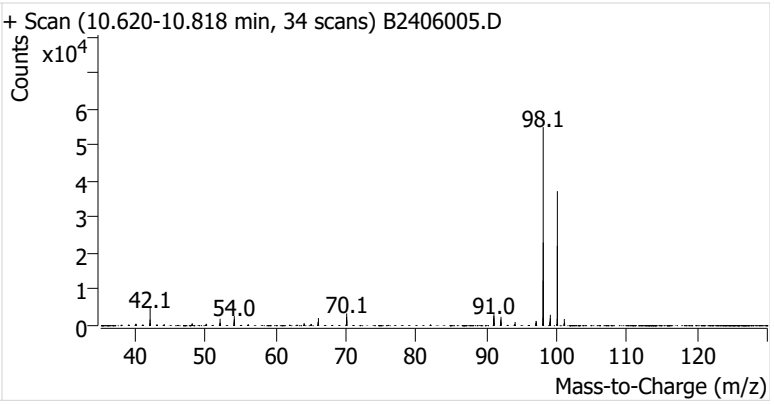
Benzene



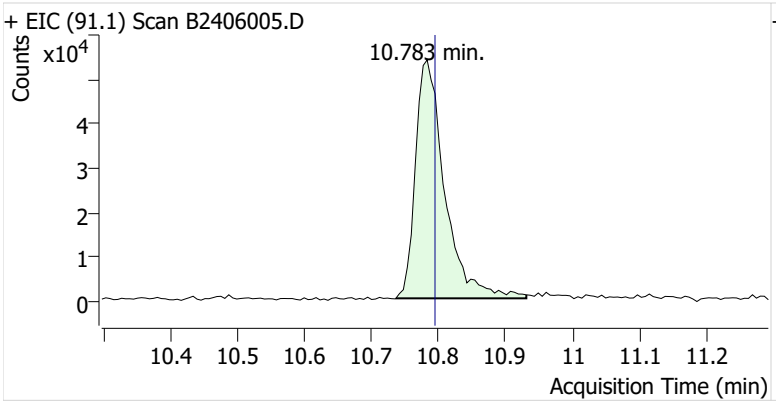


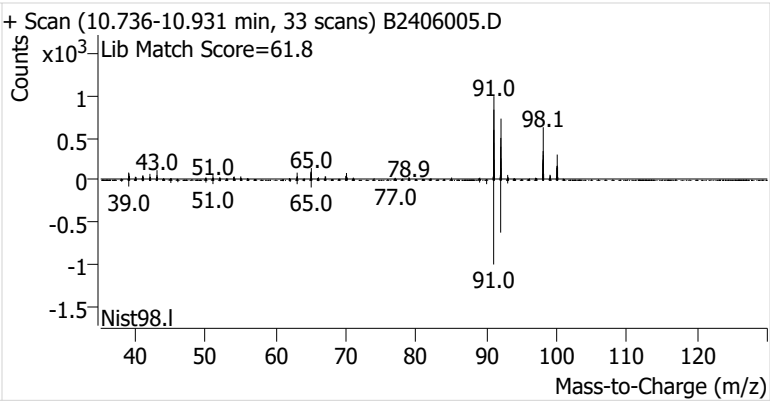
Toluene-d8 (IS)



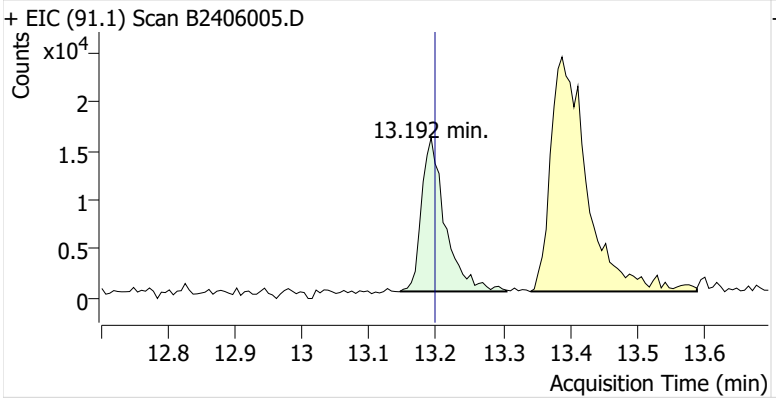


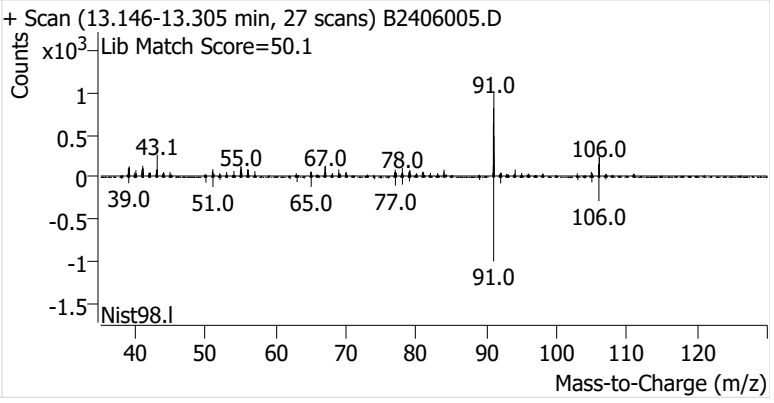
Toluene



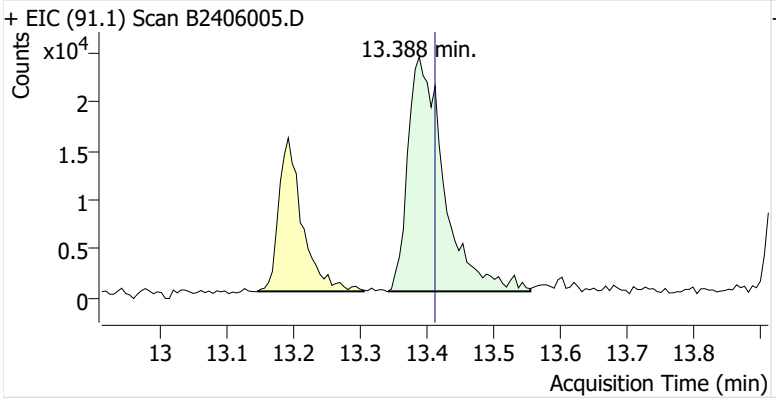


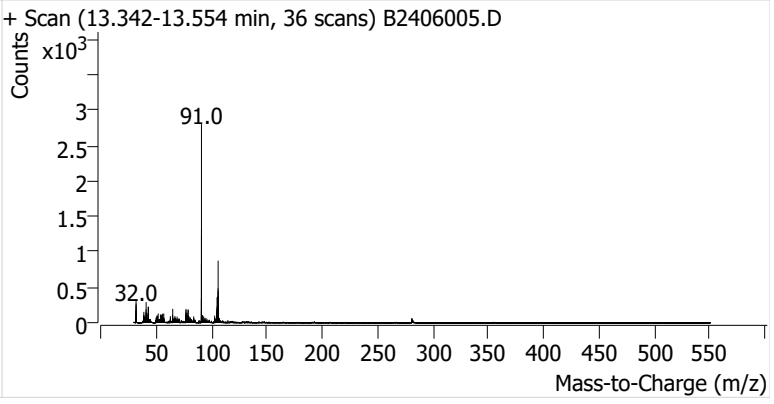
Ethylbenzene



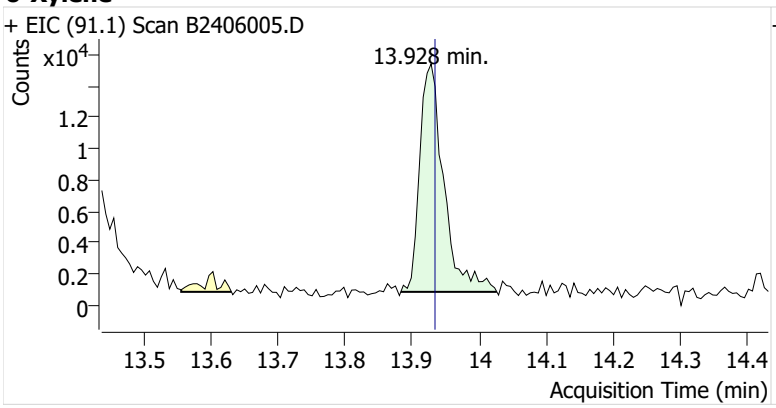


m-/p-Xylene





o-Xylene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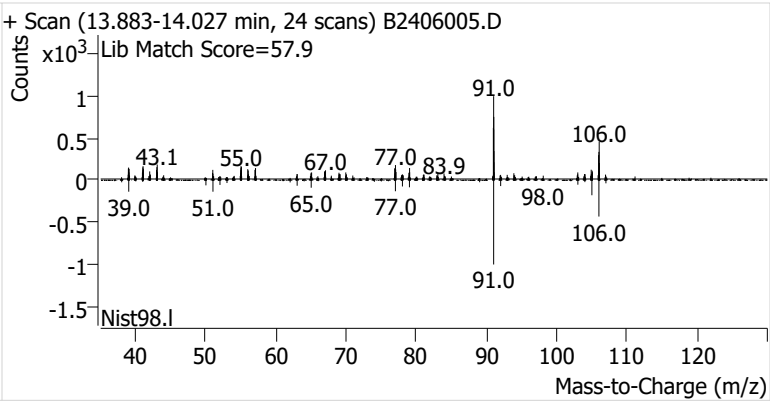
Counts
x10^4
13.928 min.
1.2
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.883-14.027 min, 24 scans) B2406005.D
Counts
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Lib Match Score=57.9
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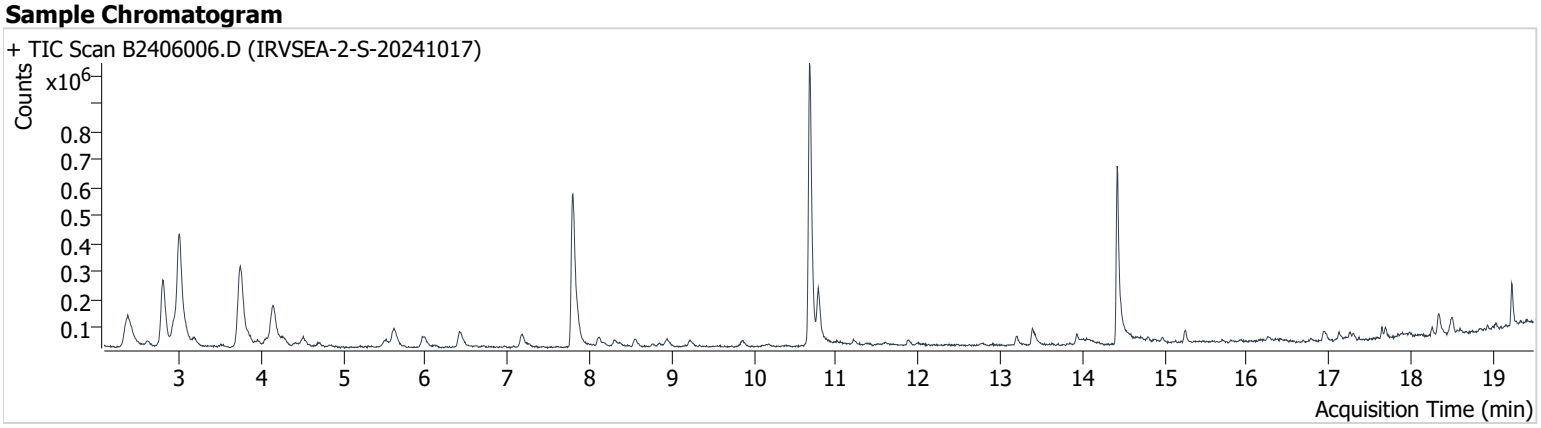
106.0
43.1
55.0
67.0
77.0
83.9
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

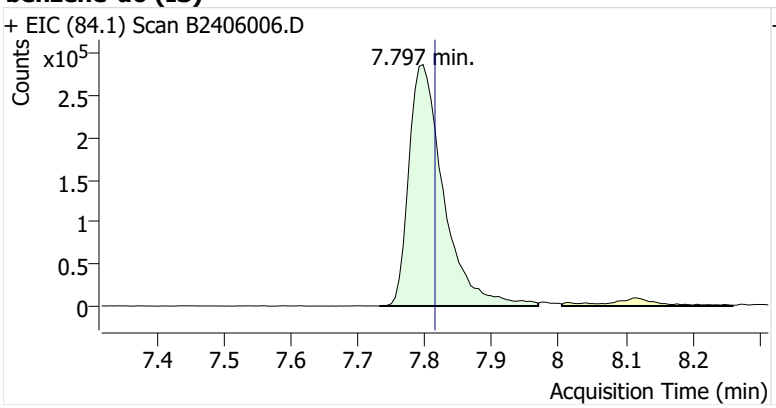
Name	IRVSEA-2-S-20241017
Comment	B43896
Data File	B2406006.D
Acq. Date-Time	11/7/2024 12:00:44 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

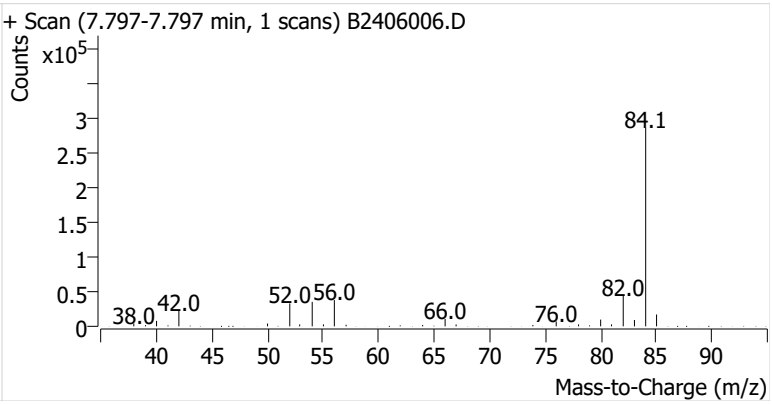
Sample Chromatogram



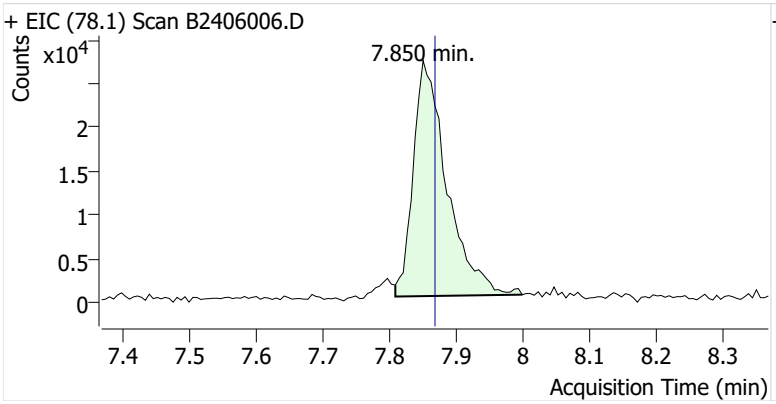
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,031,424	
Benzene	benzene-d6 (IS)	7.850	7.868	94,186	
Toluene-d8 (IS)		10.676	10.693	1,145,166	
Toluene	Toluene-d8 (IS)	10.782	10.794	214,734	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	41,886	
m-/p-Xylene	Toluene-d8 (IS)	13.394	13.412	81,730	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	31,343	

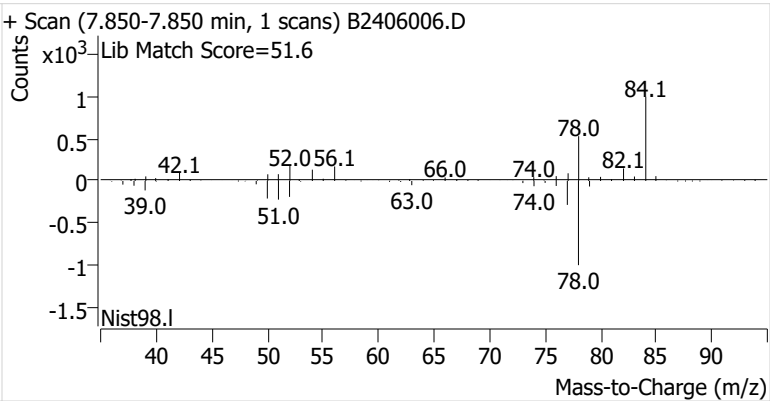
benzene-d6 (IS)



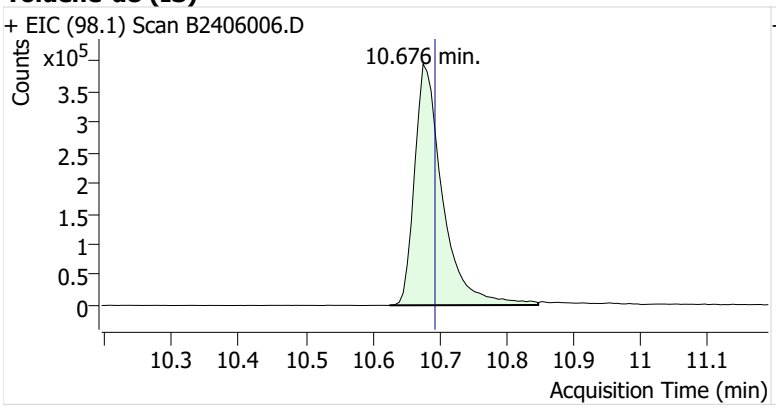


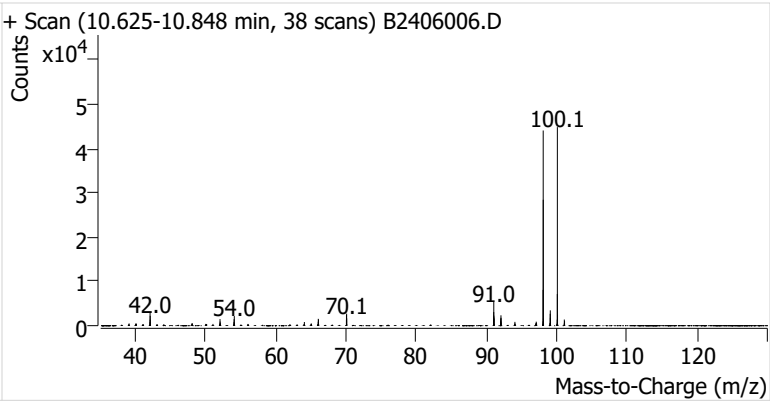
Benzene



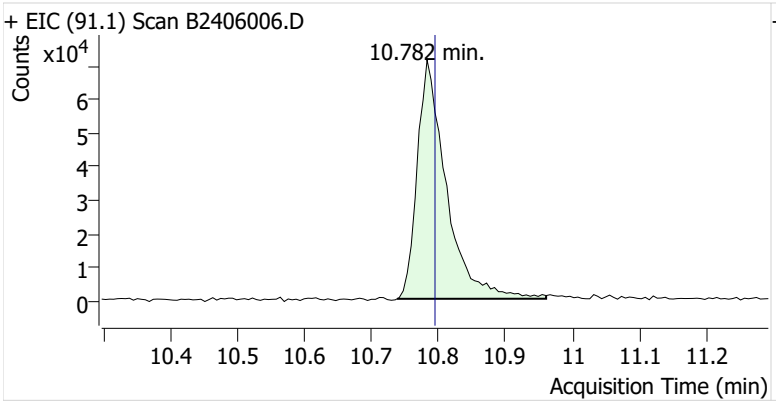


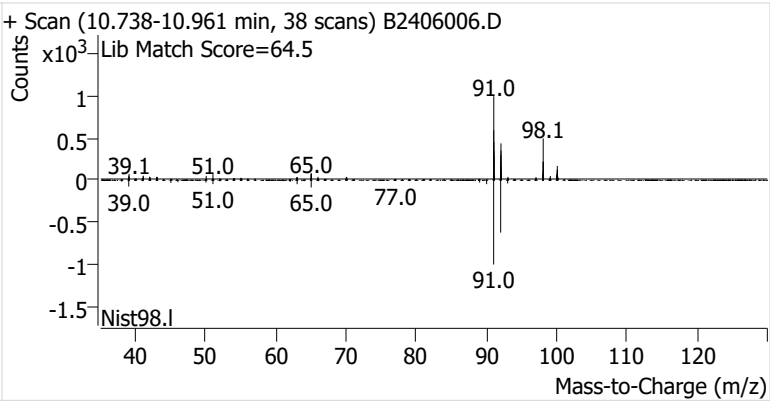
Toluene-d8 (IS)



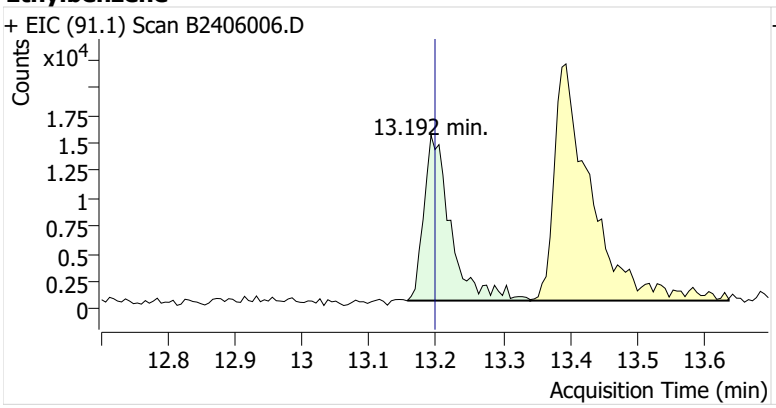


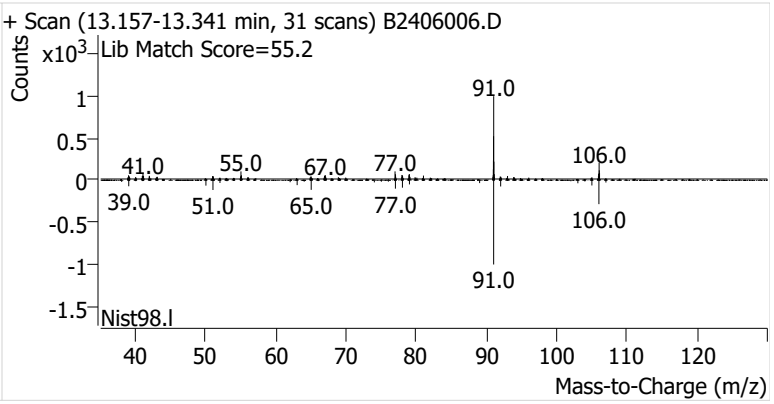
Toluene



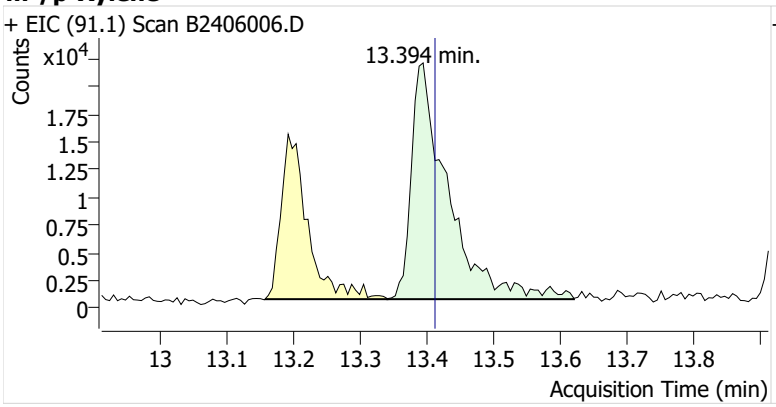


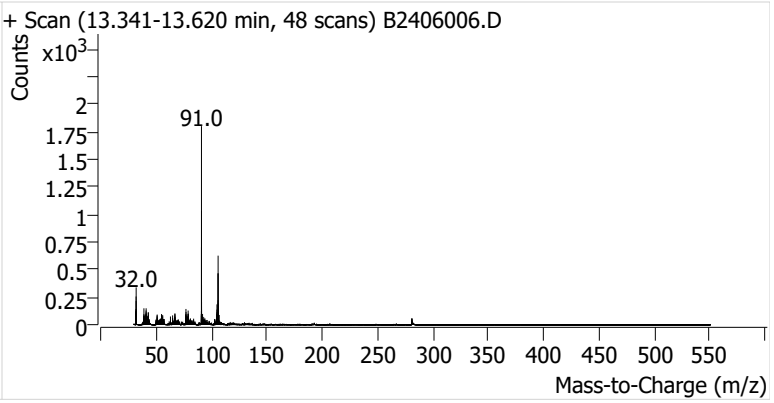
Ethylbenzene



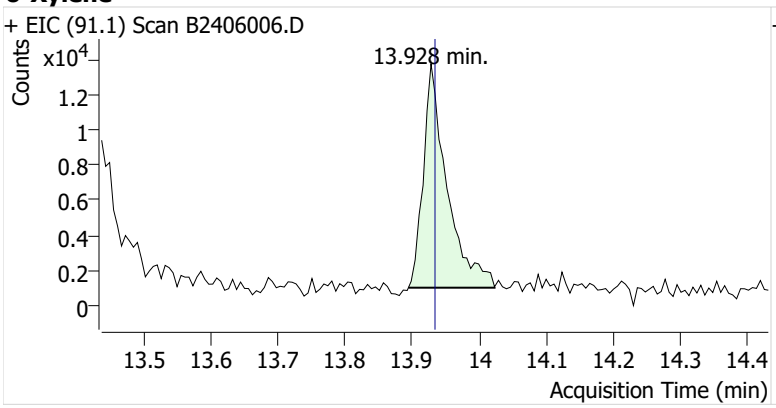


m-/p-Xylene





o-Xylene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13.928 min.
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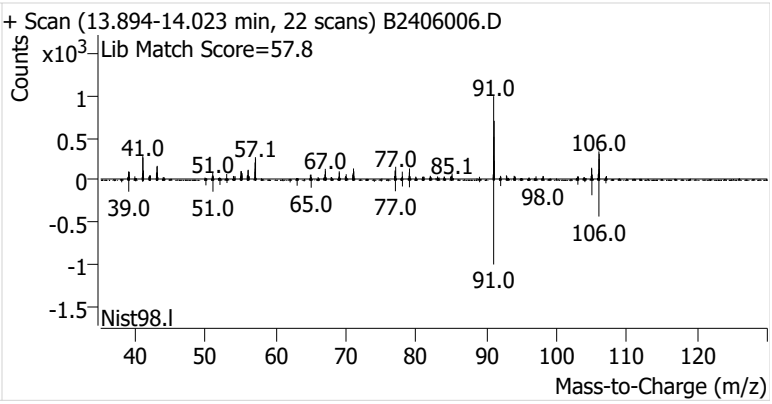
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)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x10^3
Lib Match Score=57.8
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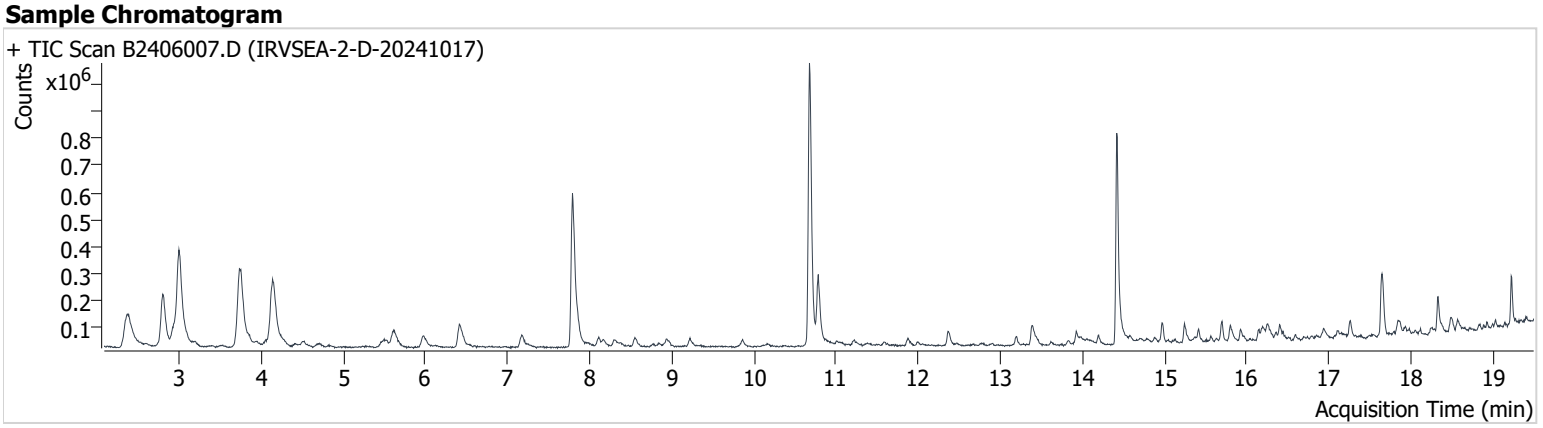
67.0
77.0
85.1
106.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

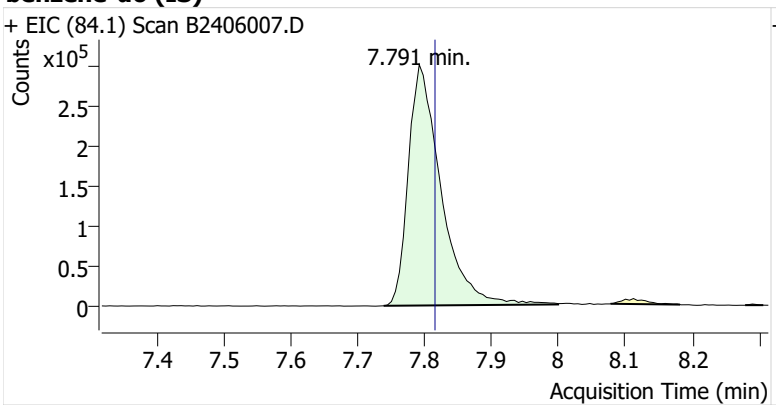
Name	IRVSEA-2-D-20241017
Comment	C43688
Data File	B2406007.D
Acq. Date-Time	11/7/2024 12:38:03 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

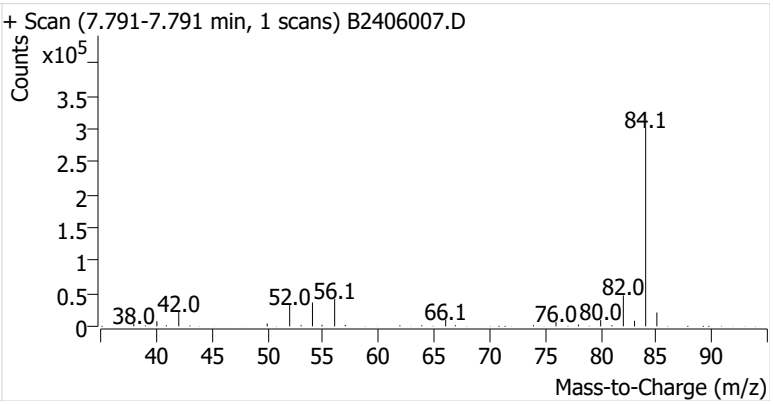
Sample Chromatogram



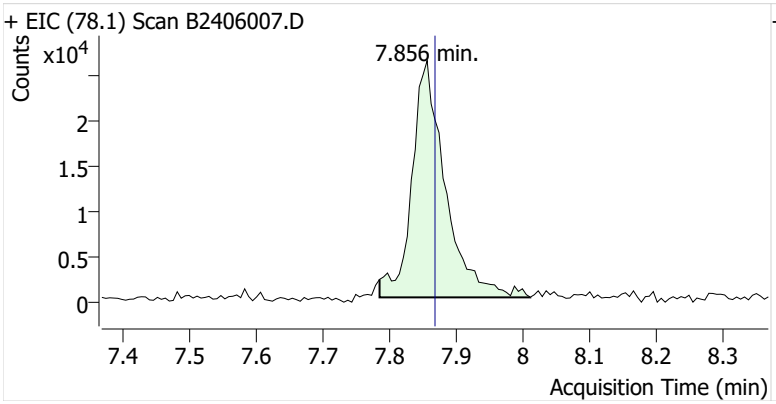
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	1,021,121	
Benzene	benzene-d6 (IS)	7.856	7.868	91,758	
Toluene-d8 (IS)		10.676	10.693	1,151,570	
Toluene	Toluene-d8 (IS)	10.783	10.794	274,216	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	37,092	
m-/p-Xylene	Toluene-d8 (IS)	13.388	13.412	94,811	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	38,293	

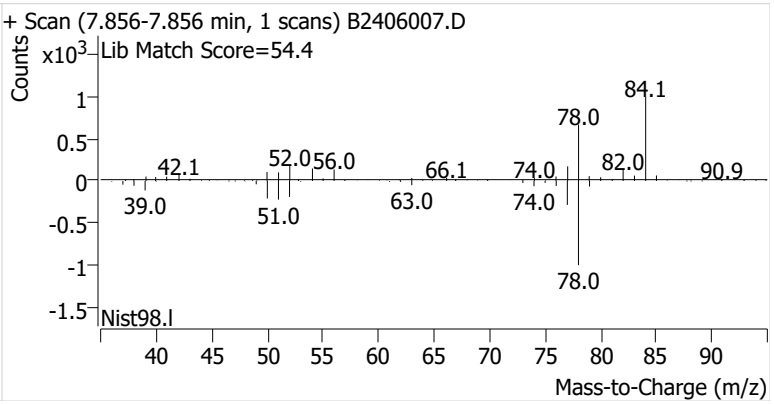
benzene-d6 (IS)



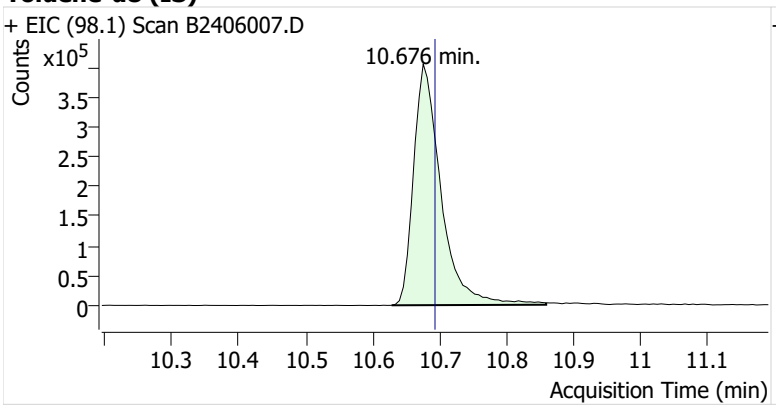


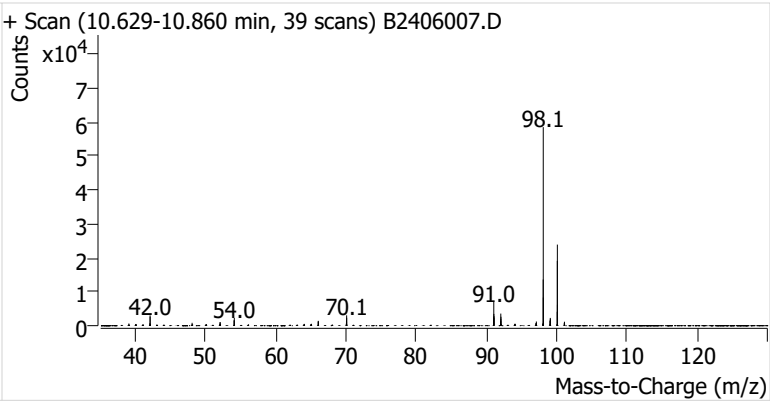
Benzene



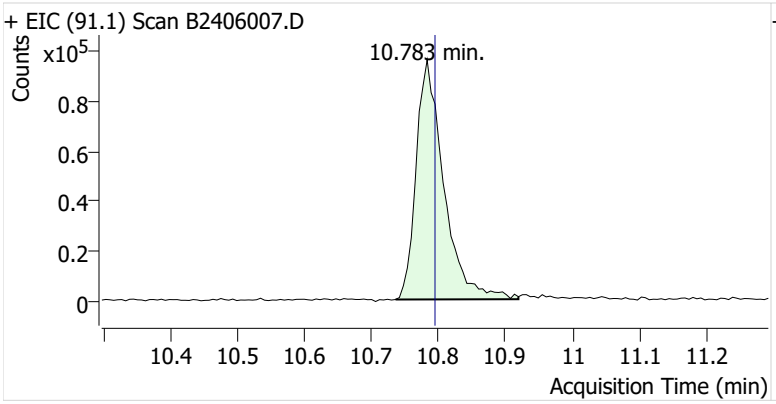


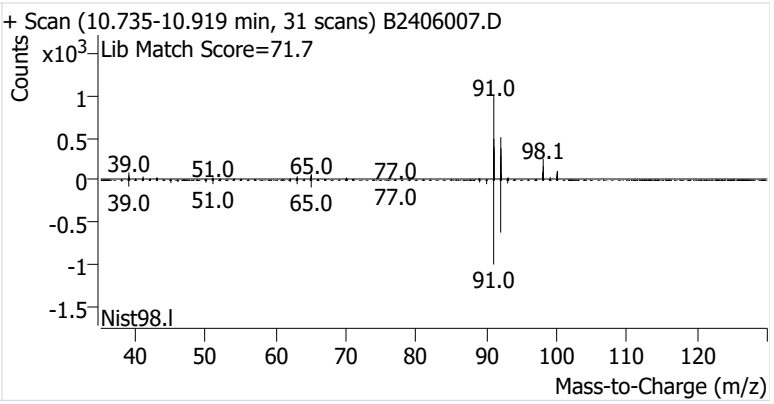
Toluene-d8 (IS)



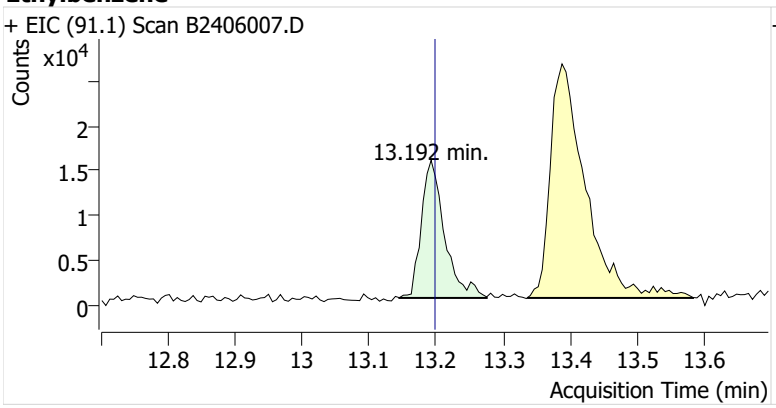


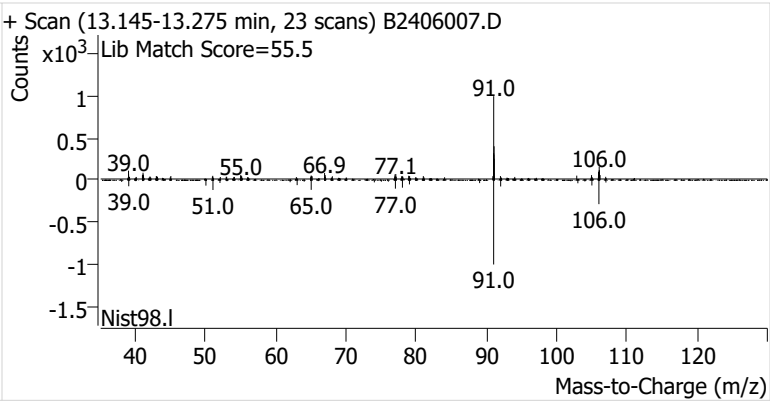
Toluene



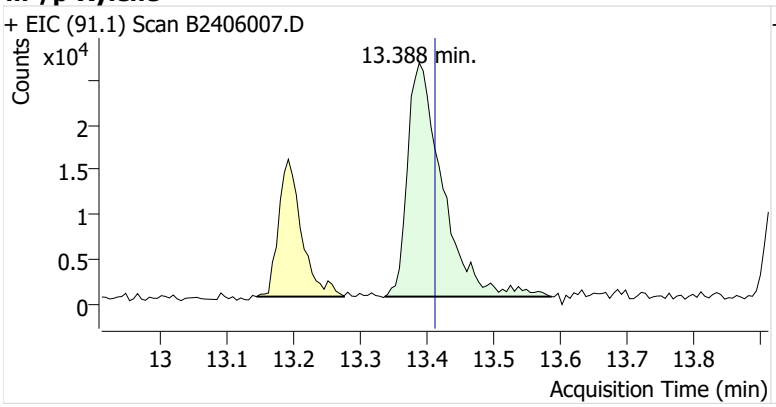


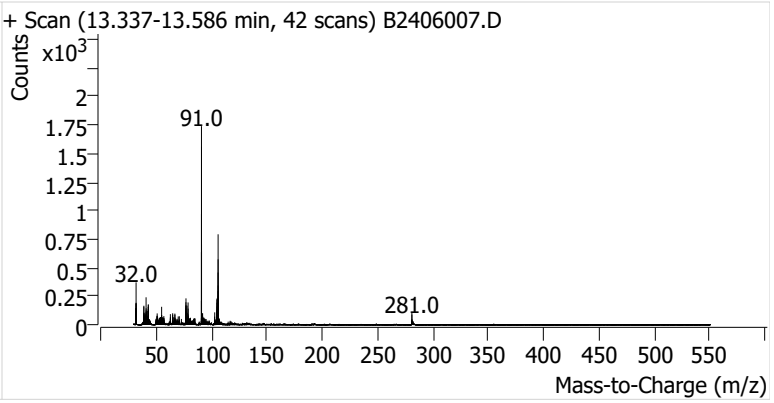
Ethylbenzene



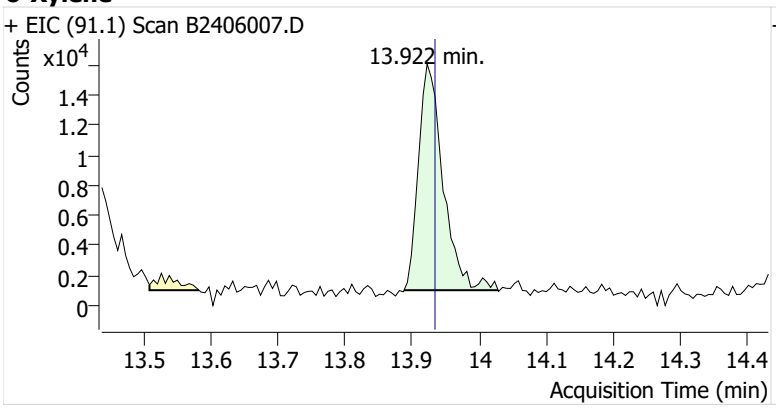


m-/p-Xylene





o-Xylene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Counts
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13.922 min.
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1.2
1
0.8
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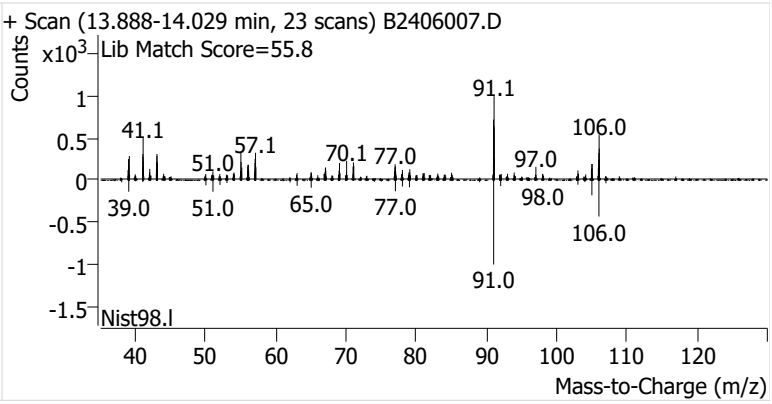
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.888-14.029 min, 23 scans) B2406007.D
Counts
x10^3
Lib Match Score=55.8
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41.1
57.1
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51.0
70.1
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39.0
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65.0
77.0
98.0
106.0
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1
0.5
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-0.5
-1
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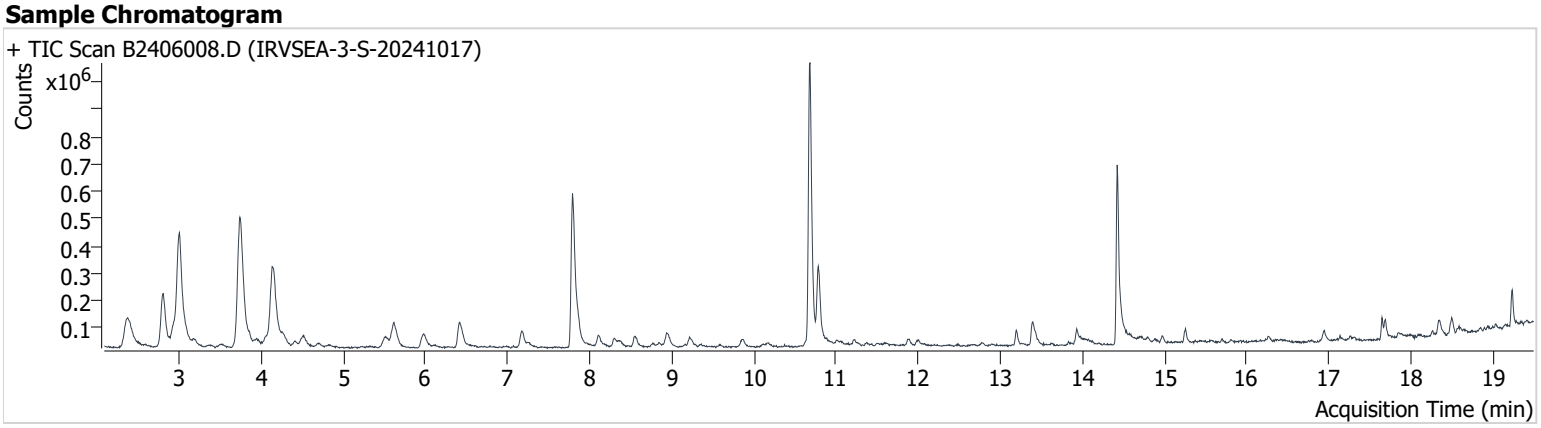
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

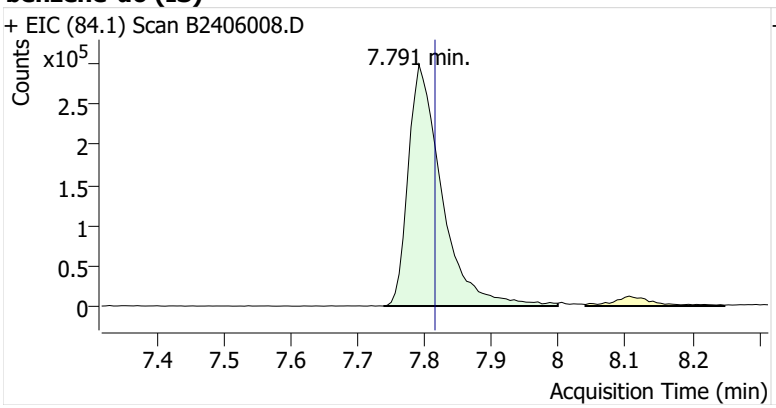
Name	IRVSEA-3-S-20241017
Comment	B46654
Data File	B2406008.D
Acq. Date-Time	11/7/2024 1:15:22 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

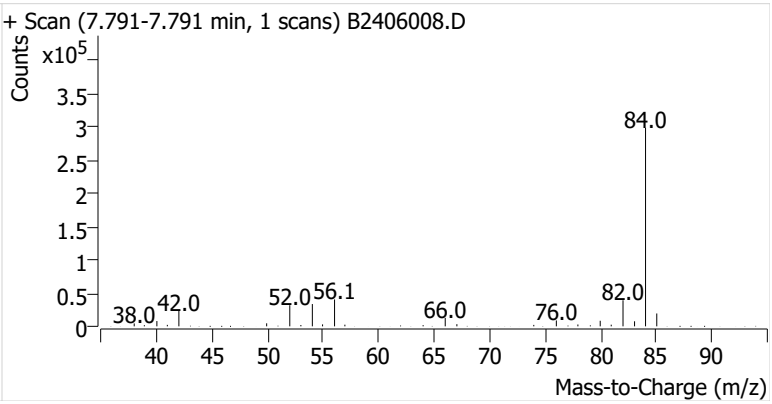
Sample Chromatogram



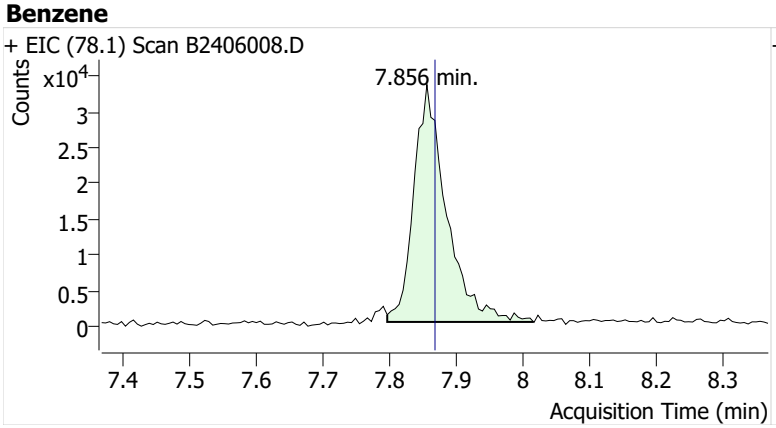
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	1,043,786	
Benzene	benzene-d6 (IS)	7.856	7.868	112,957	
Toluene-d8 (IS)		10.681	10.693	1,174,076	
Toluene	Toluene-d8 (IS)	10.776	10.794	315,963	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	49,433	
m-/p-Xylene	Toluene-d8 (IS)	13.388	13.412	102,960	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	46,875	

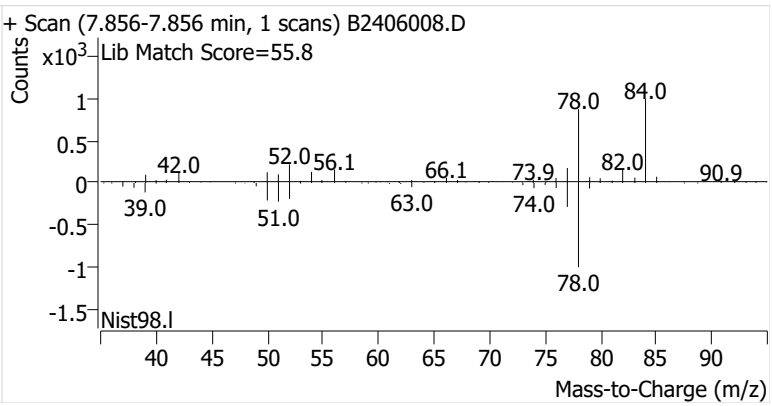
benzene-d6 (IS)



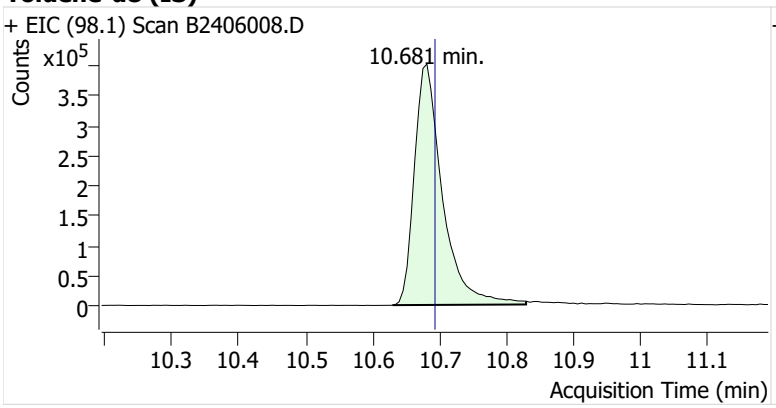


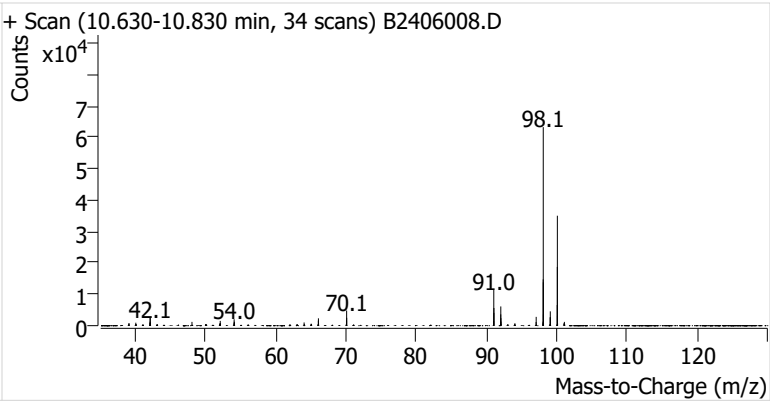
Benzene



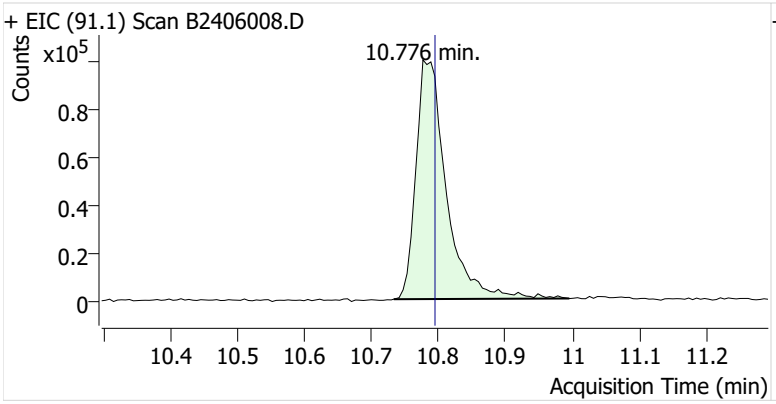


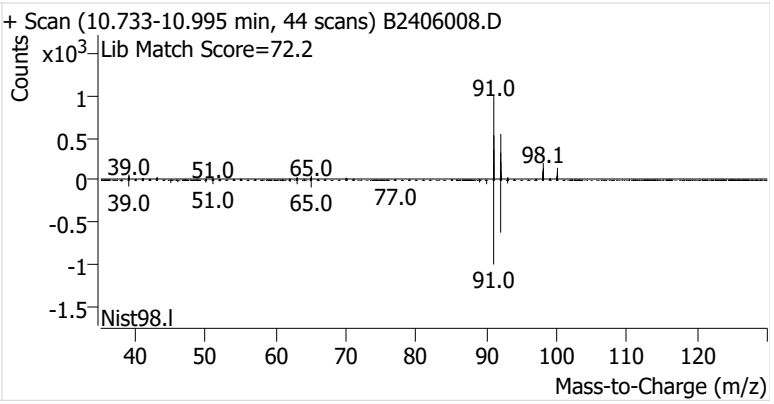
Toluene-d8 (IS)



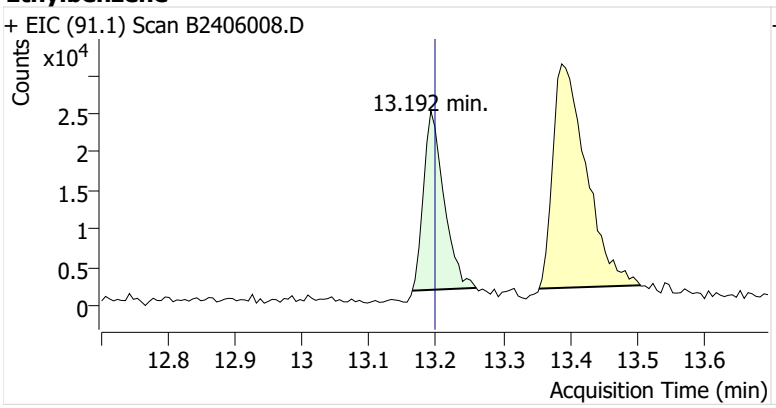


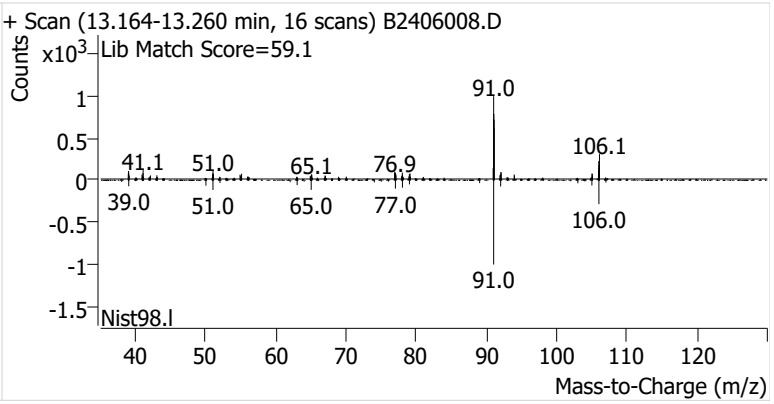
Toluene



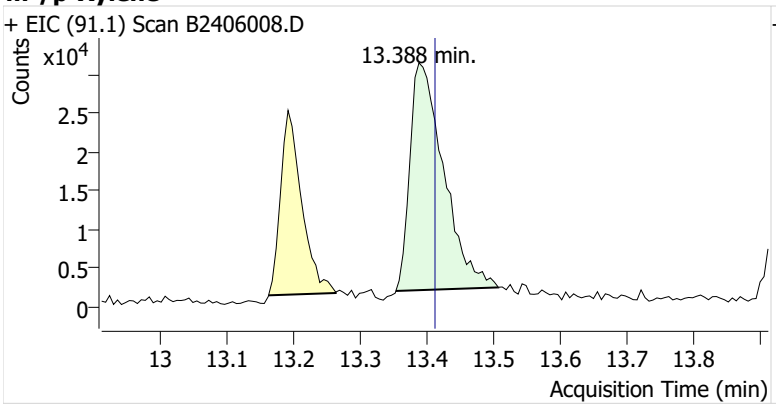


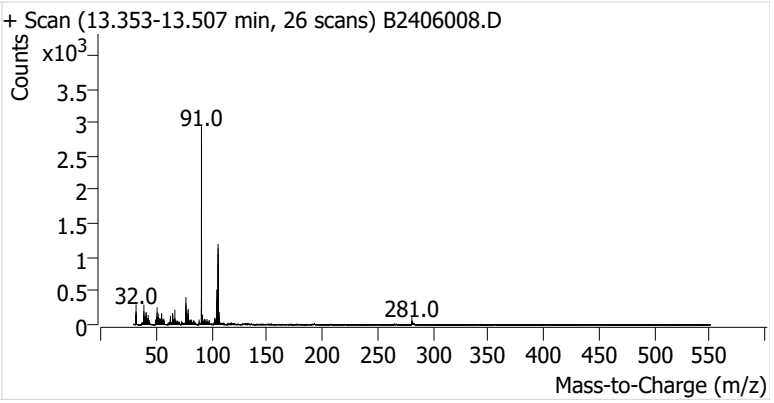
Ethylbenzene



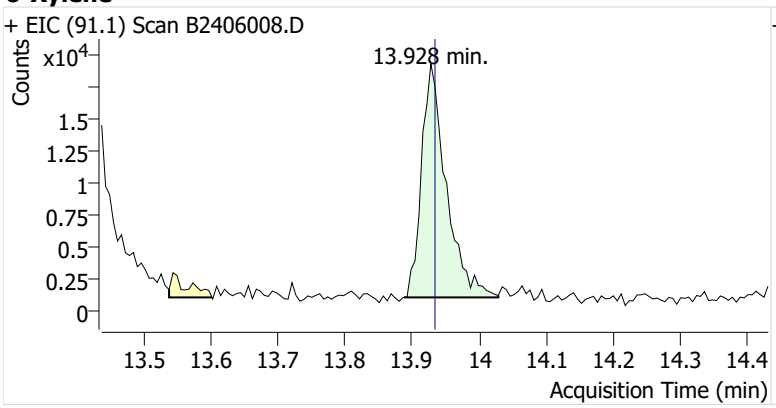


m-/p-Xylene





o-Xylene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13.928 min.
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1.25
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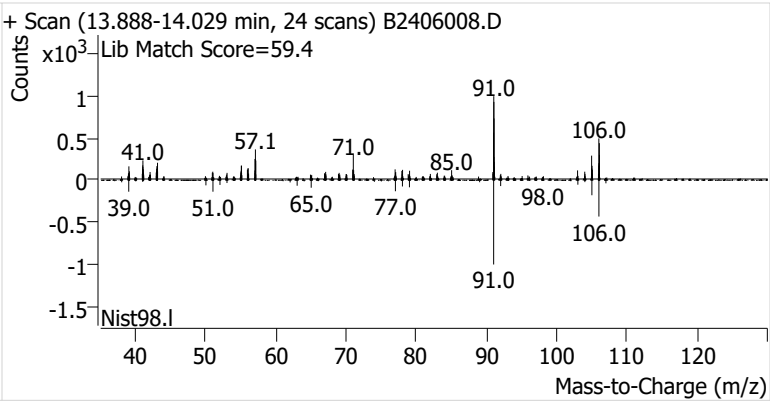
0.75
0.5
0.25
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.888-14.029 min, 24 scans) B2406008.D
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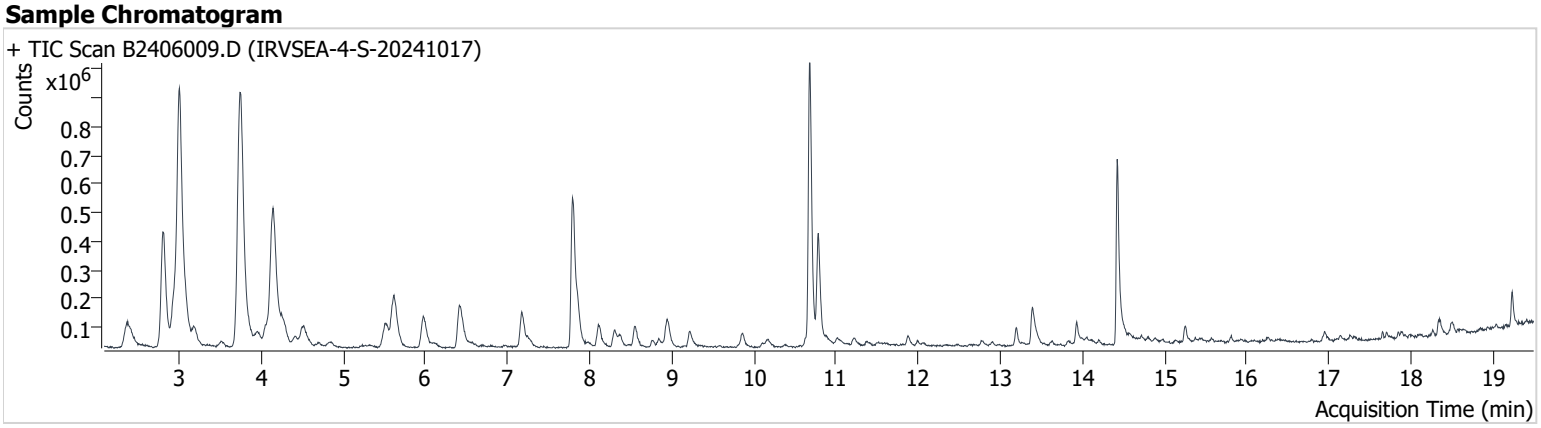
41.0
57.1
71.0
85.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

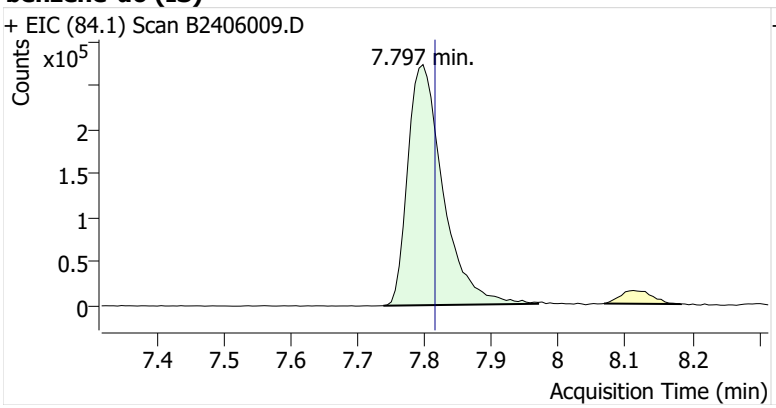
Name	IRVSEA-4-S-20241017
Comment	B14191
Data File	B2406009.D
Acq. Date-Time	11/7/2024 1:52:41 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

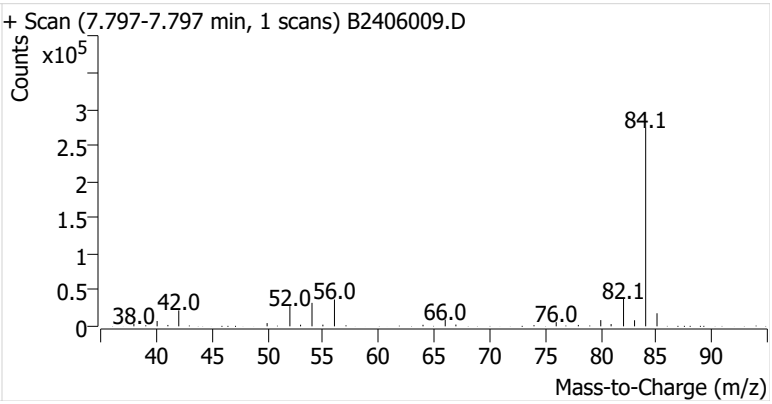
Sample Chromatogram



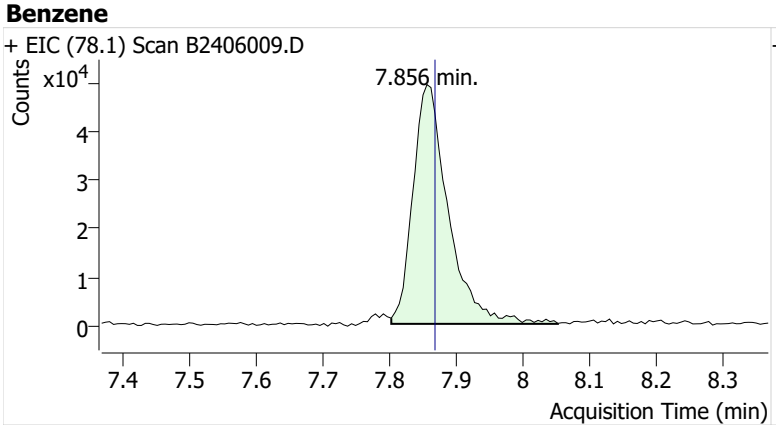
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,001,587	
Benzene	benzene-d6 (IS)	7.856	7.868	180,867	
Toluene-d8 (IS)		10.676	10.693	1,136,048	
Toluene	Toluene-d8 (IS)	10.782	10.794	434,184	
Ethylbenzene	Toluene-d8 (IS)	13.198	13.198	65,741	
m-/p-Xylene	Toluene-d8 (IS)	13.388	13.412	172,190	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	70,947	

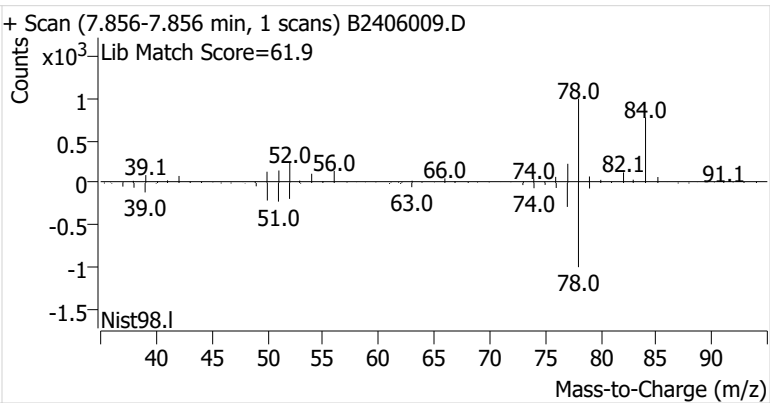
benzene-d6 (IS)



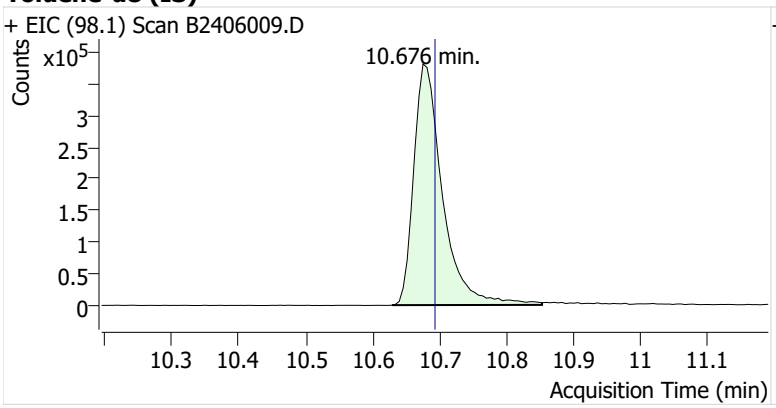


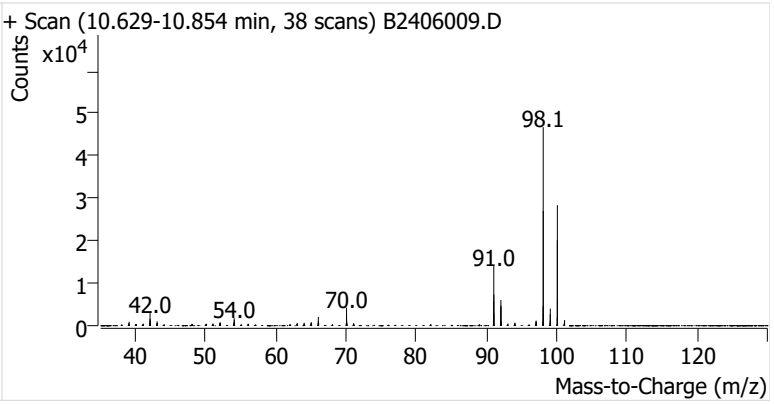
Benzene



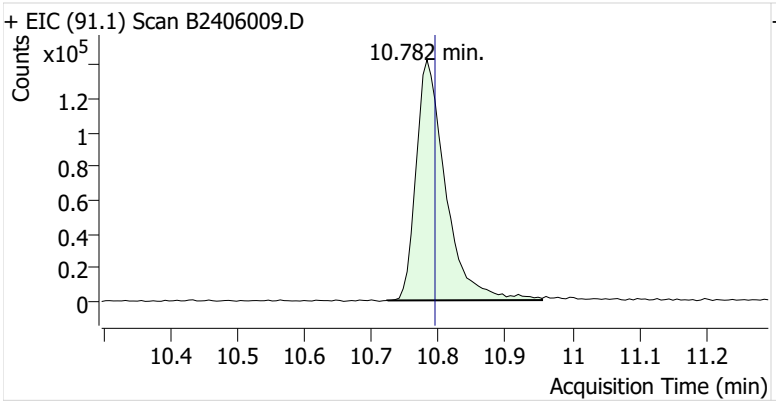


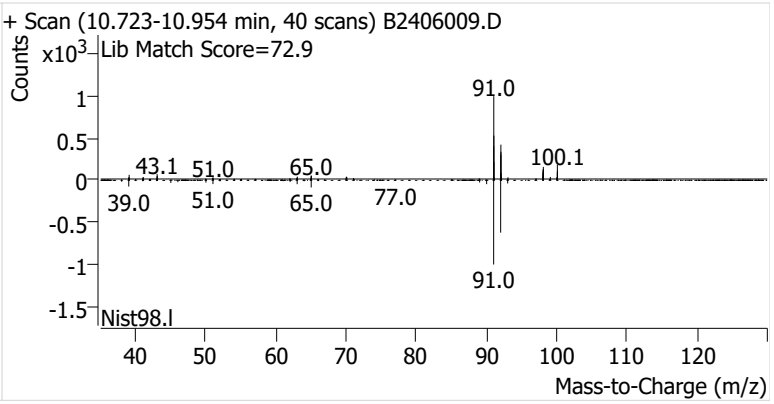
Toluene-d8 (IS)



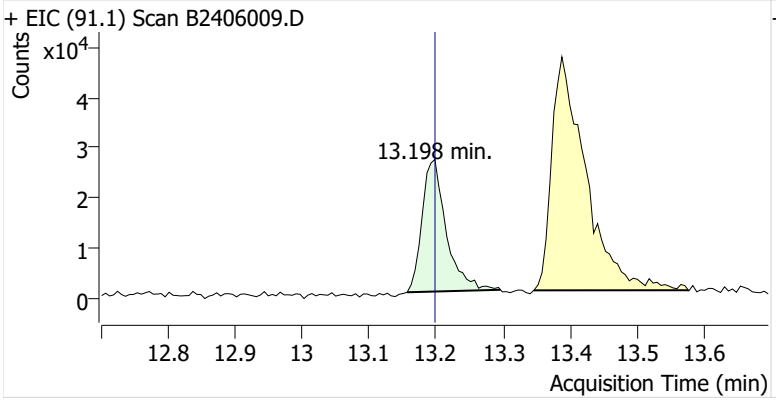


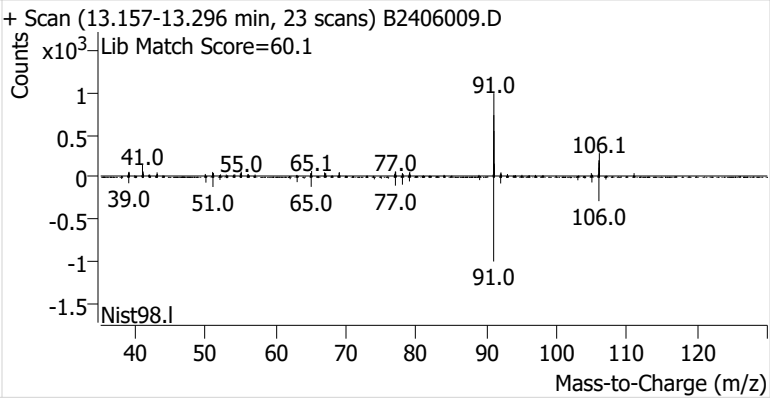
Toluene



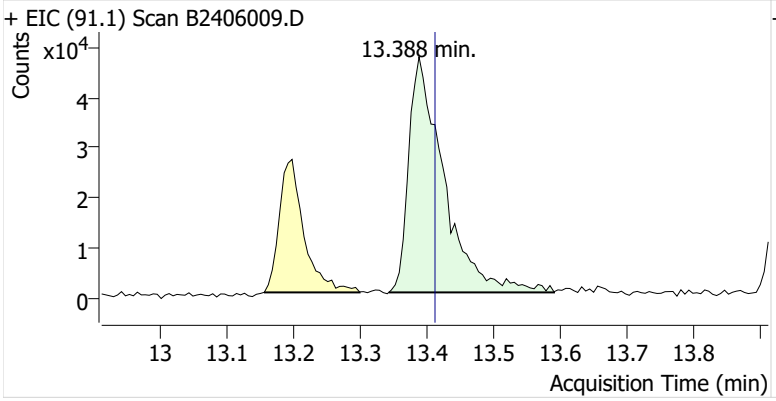


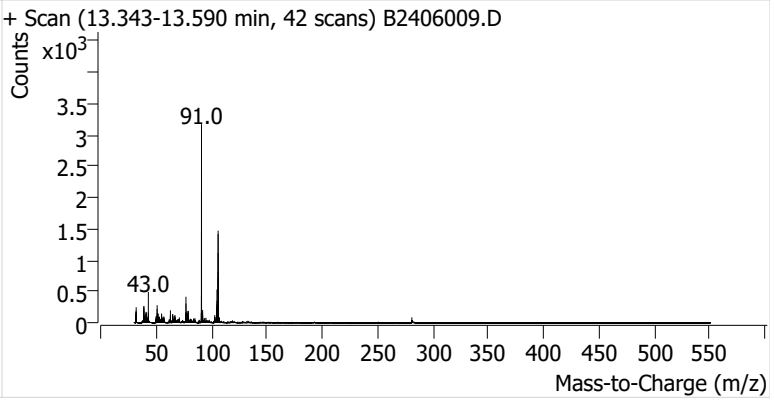
Ethylbenzene



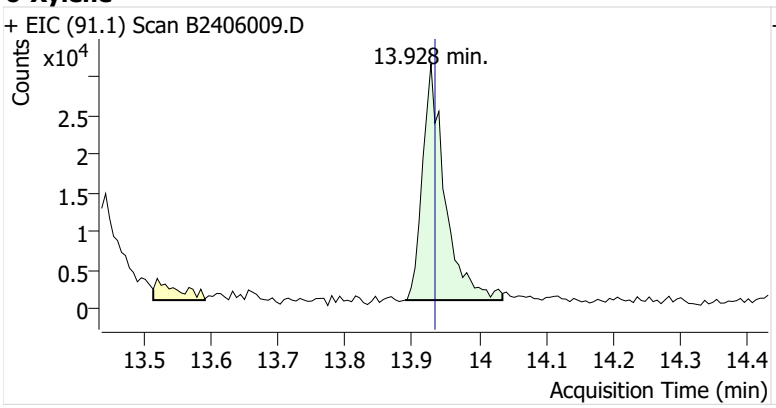


m-/p-Xylene





o-Xylene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13.928 min.
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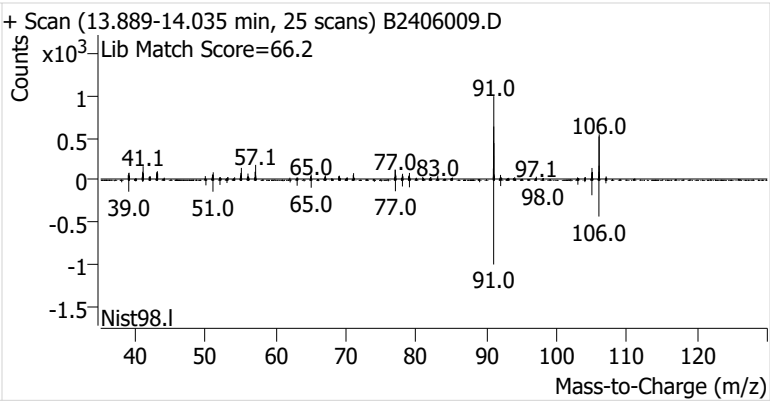
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)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77.0
83.0
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

Name	IRVSEA-5-S-20241017
Comment	B38540
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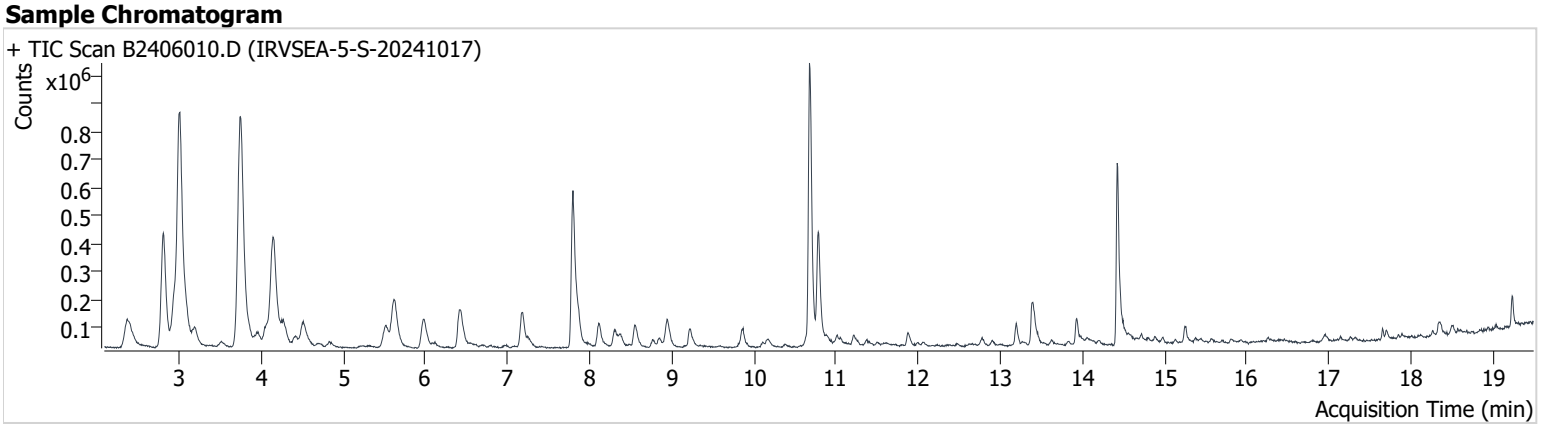
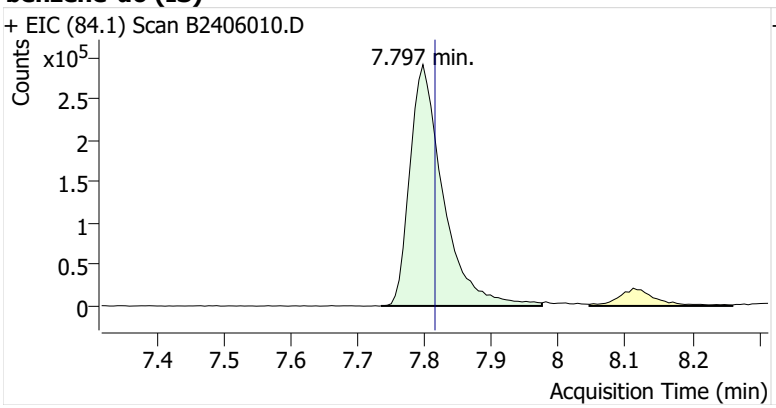
Acq. Date-Time	11/7/2024 2:30:00 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

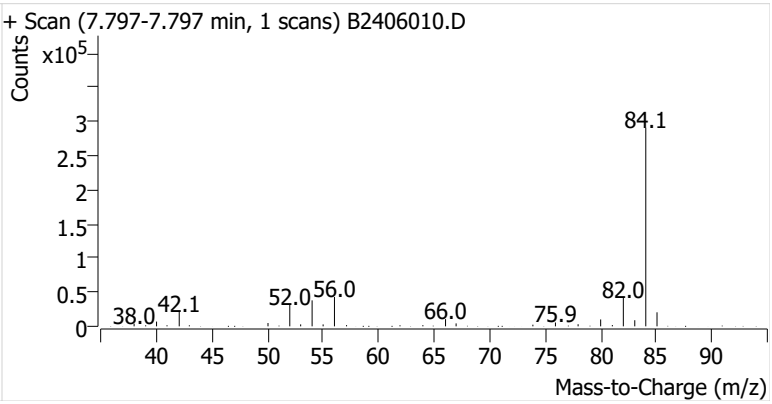
Sample Chromatogram



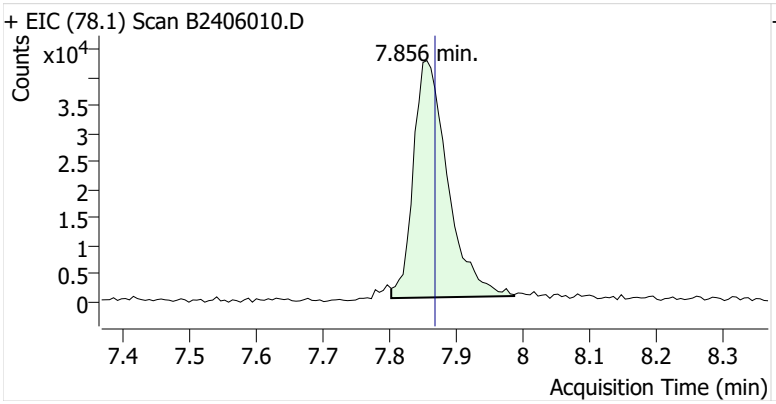
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,005,158	
Benzene	benzene-d6 (IS)	7.856	7.868	151,239	
Toluene-d8 (IS)		10.675	10.693	1,143,959	
Toluene	Toluene-d8 (IS)	10.788	10.794	458,820	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	87,574	
m-/p-Xylene	Toluene-d8 (IS)	13.394	13.412	209,857	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	86,667	

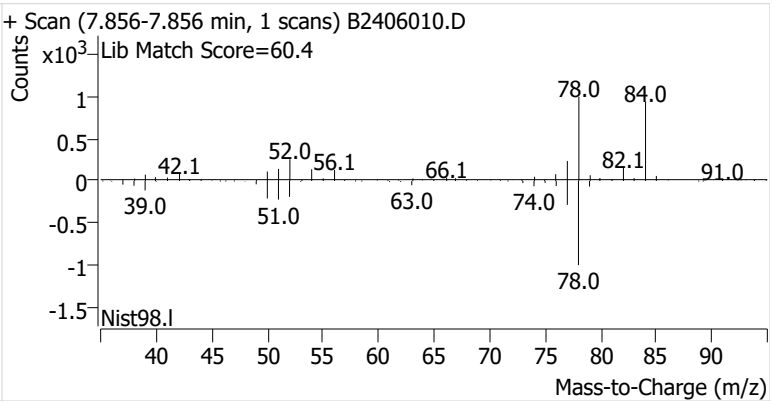
benzene-d6 (IS)



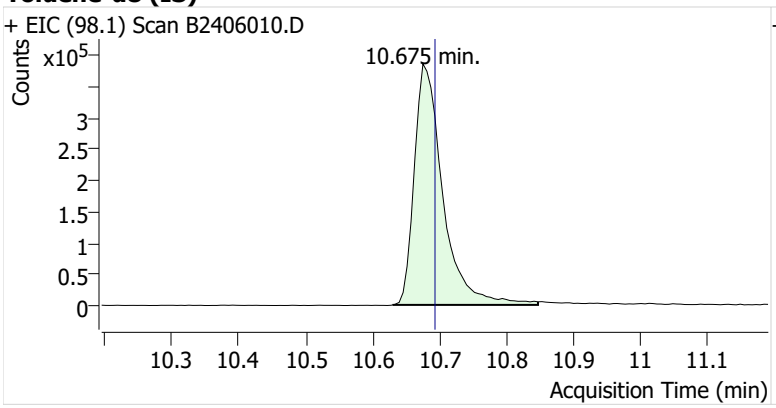


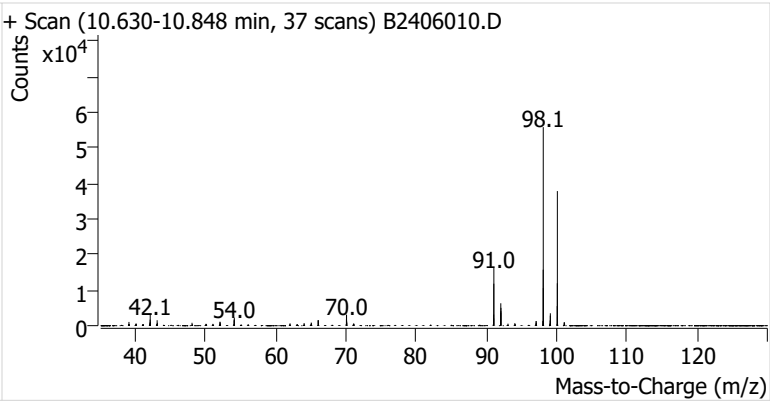
Benzene



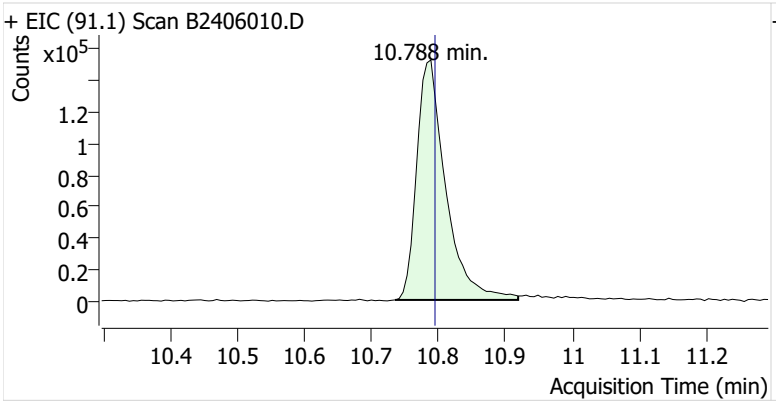


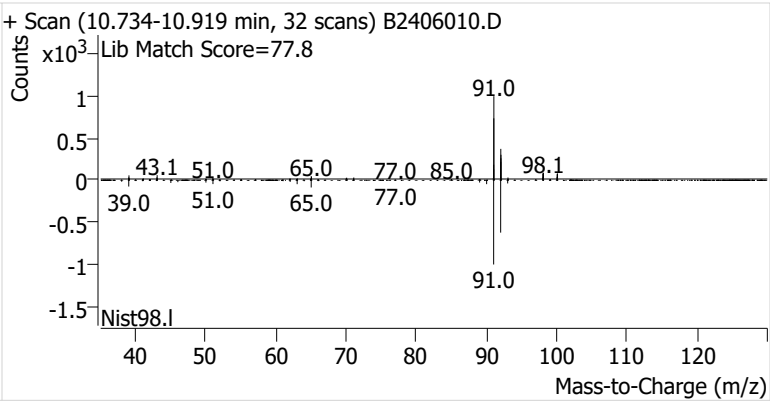
Toluene-d8 (IS)



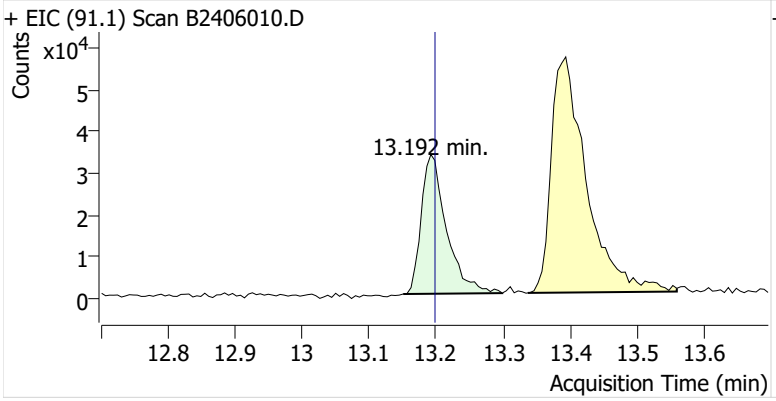


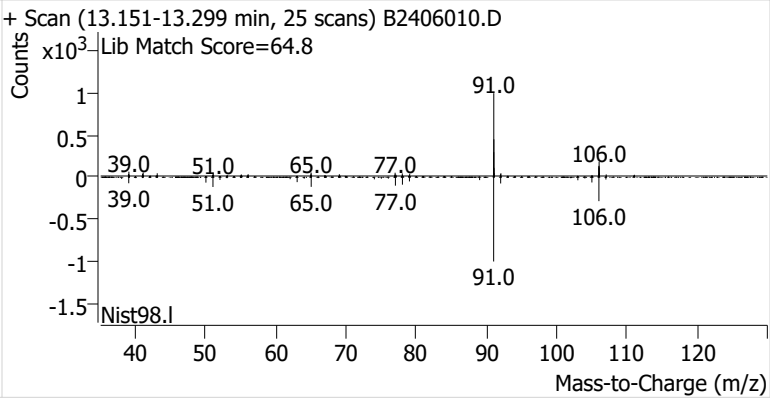
Toluene



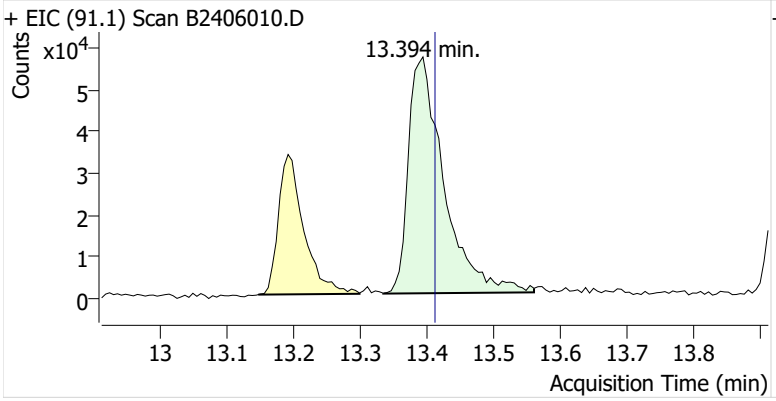


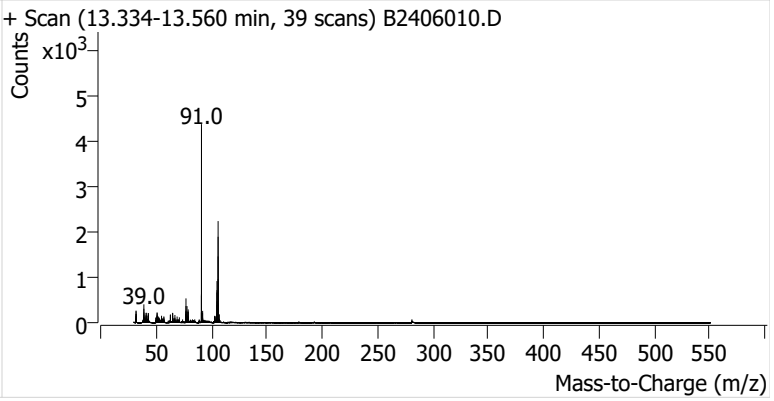
Ethylbenzene



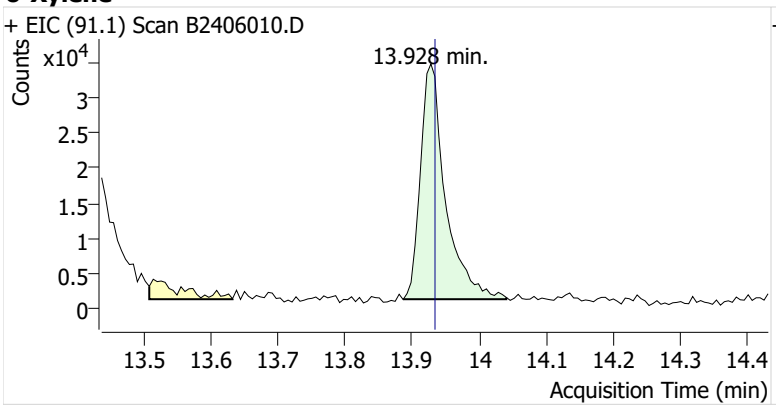


m-/p-Xylene





o-Xylene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x10^4
13.928 min.
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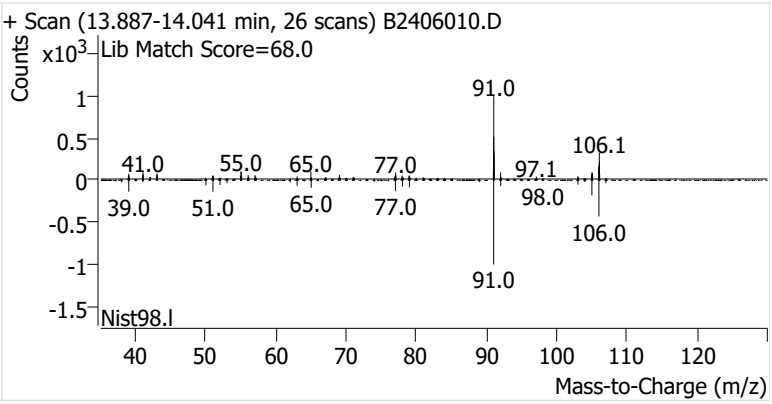
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.887-14.041 min, 26 scans) B2406010.D
Counts
x10^3
Lib Match Score=68.0
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106.1
41.0
55.0
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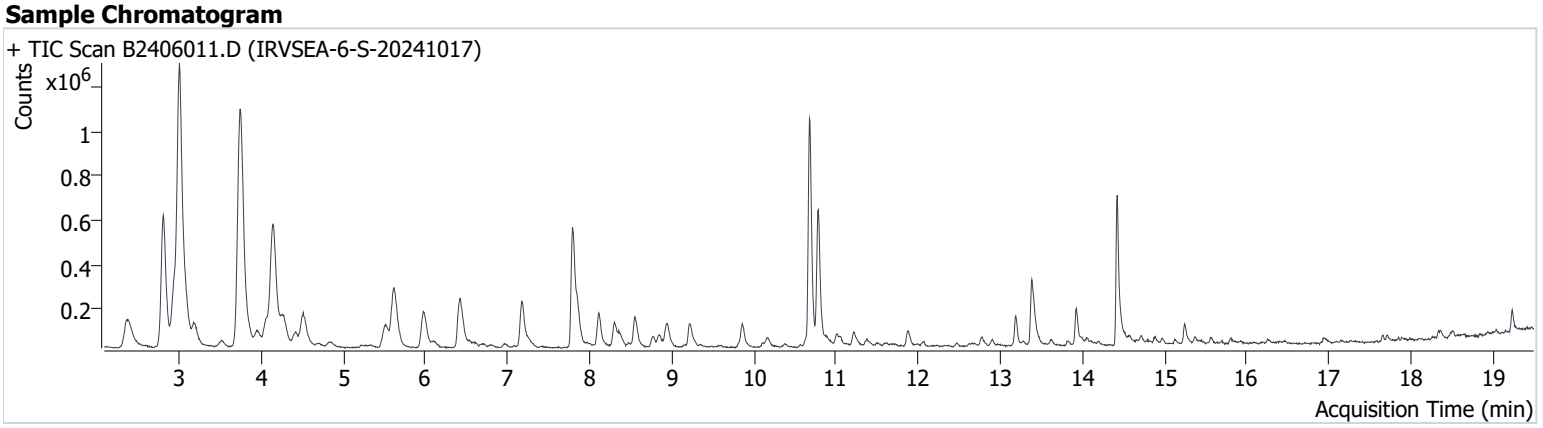
77.0
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

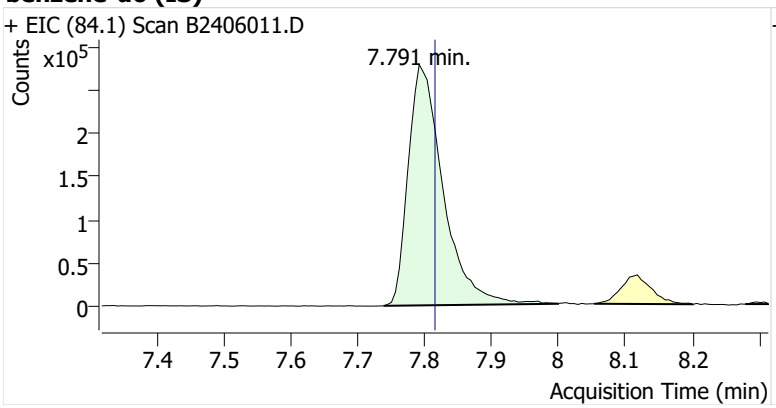
Name	IRVSEA-6-S-20241017
Comment	B33701
Data File	B2406011.D
Acq. Date-Time	11/7/2024 3:07:19 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

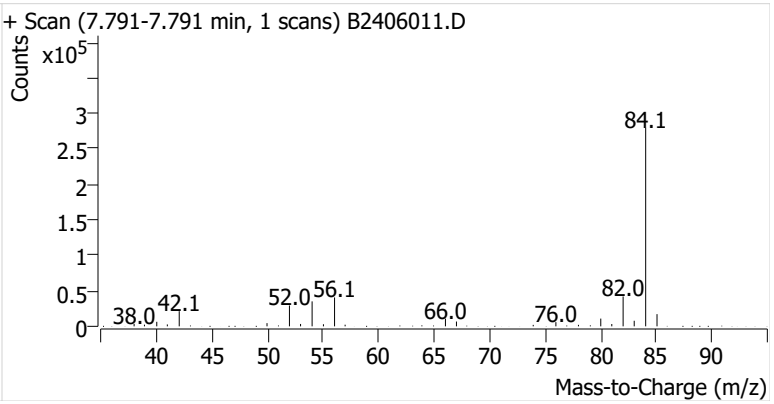
Sample Chromatogram



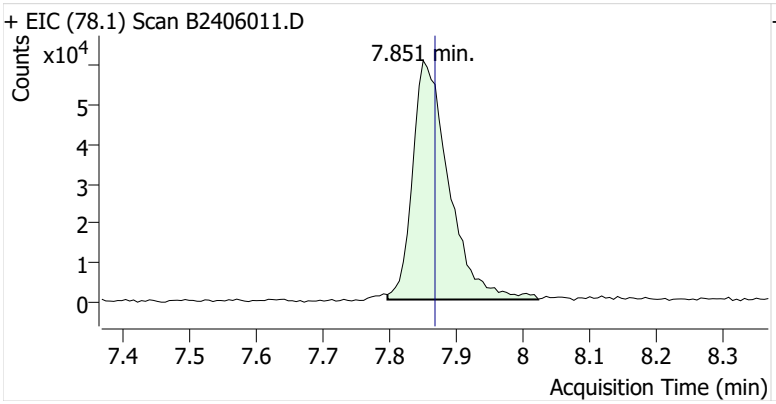
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	1,010,808	
Benzene	benzene-d6 (IS)	7.851	7.868	228,249	
Toluene-d8 (IS)		10.676	10.693	1,151,179	
Toluene	Toluene-d8 (IS)	10.783	10.794	721,673	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	152,112	
m-/p-Xylene	Toluene-d8 (IS)	13.382	13.412	358,572	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	156,622	

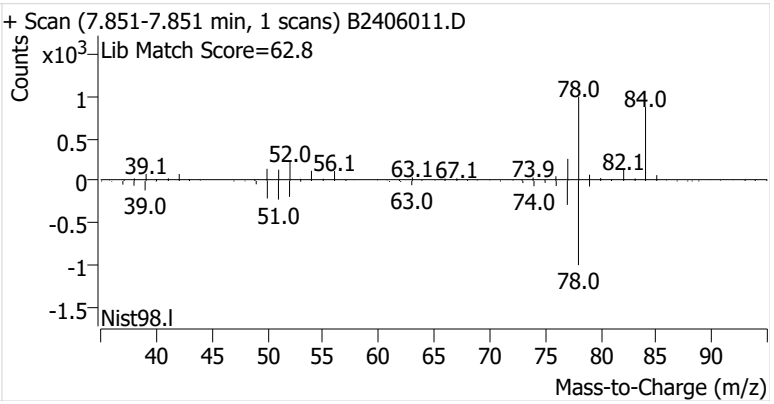
benzene-d6 (IS)



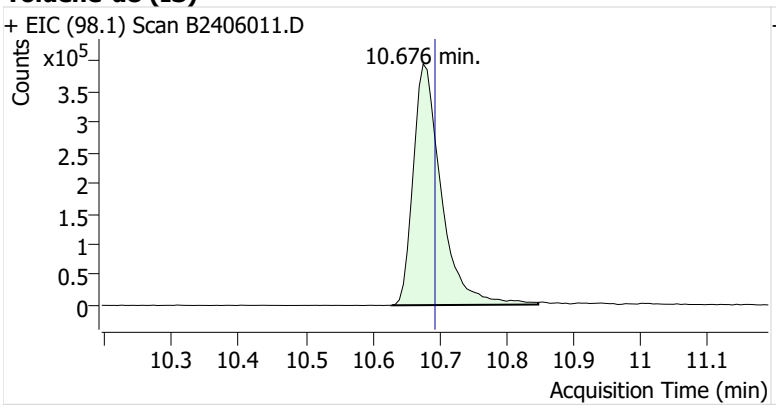


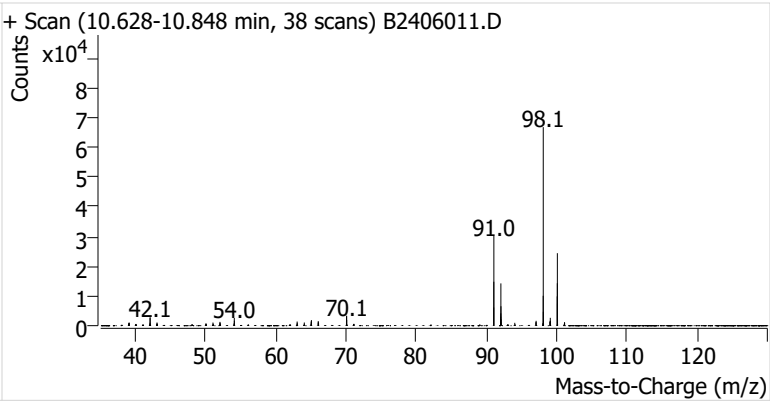
Benzene



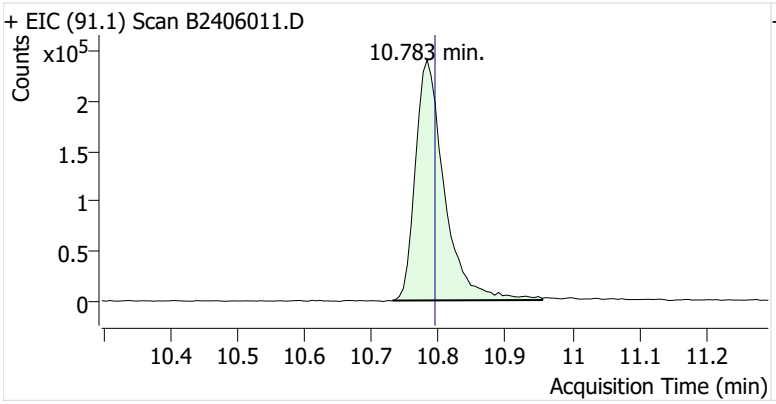


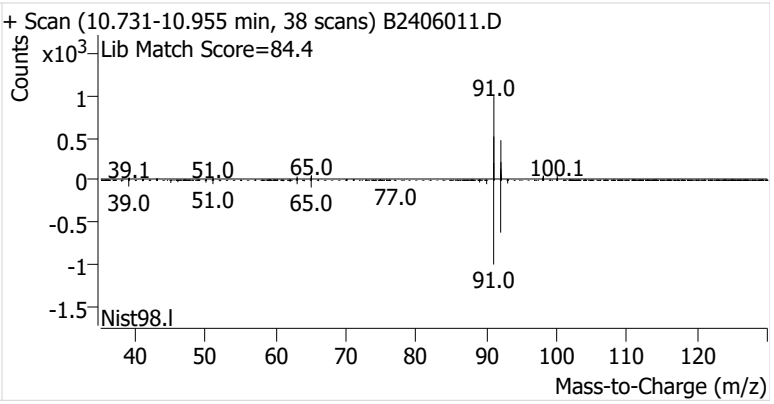
Toluene-d8 (IS)



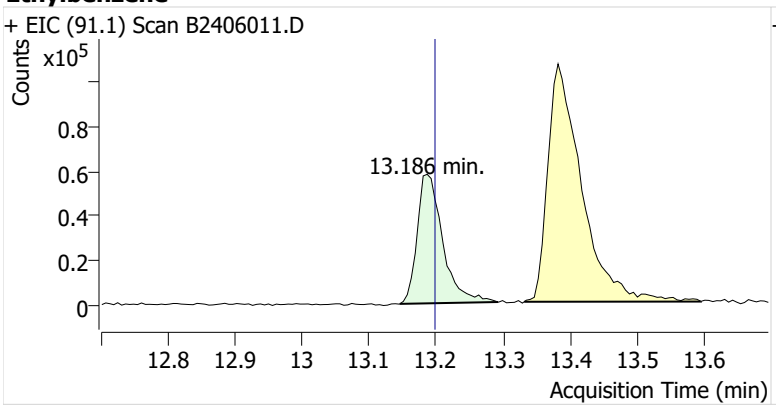


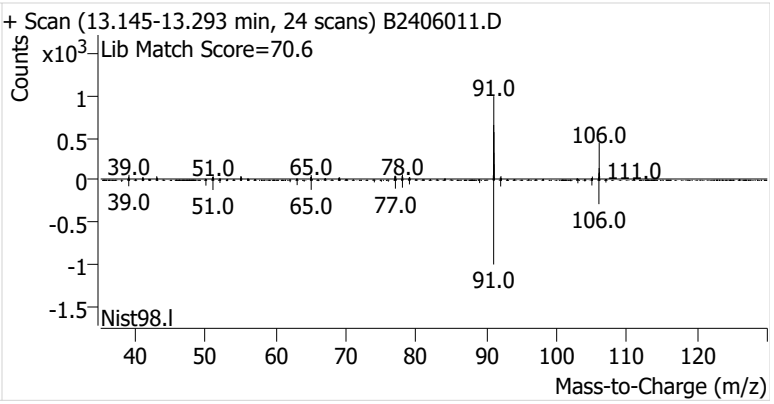
Toluene



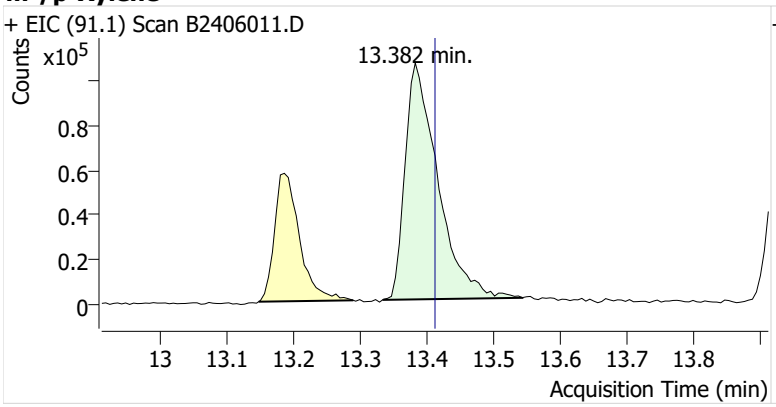


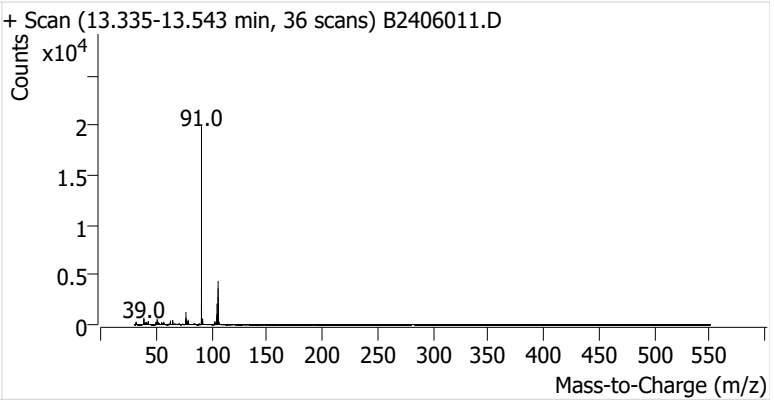
Ethylbenzene



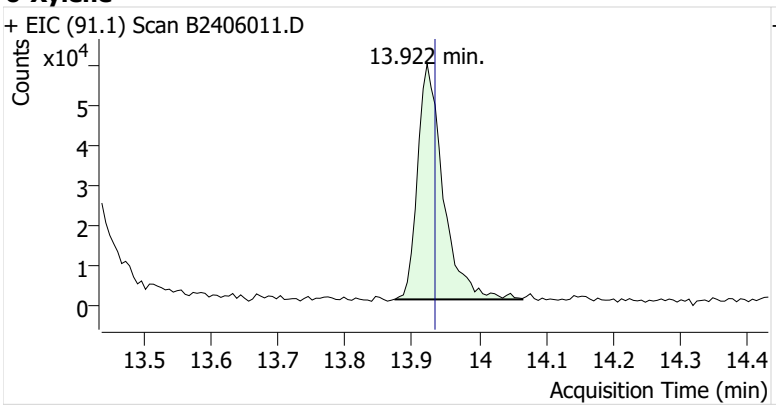


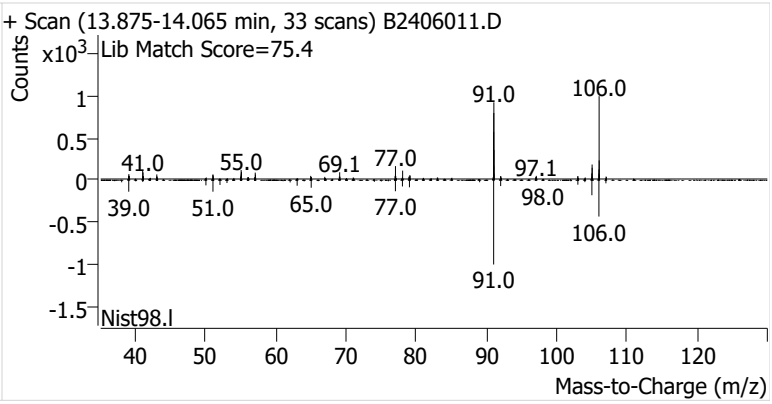
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan B2406011.D
Counts
x10^4
13.922 min.
5
4
3
2
1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.875-14.065 min, 33 scans) B2406011.D
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x10^3
Lib Match Score=75.4
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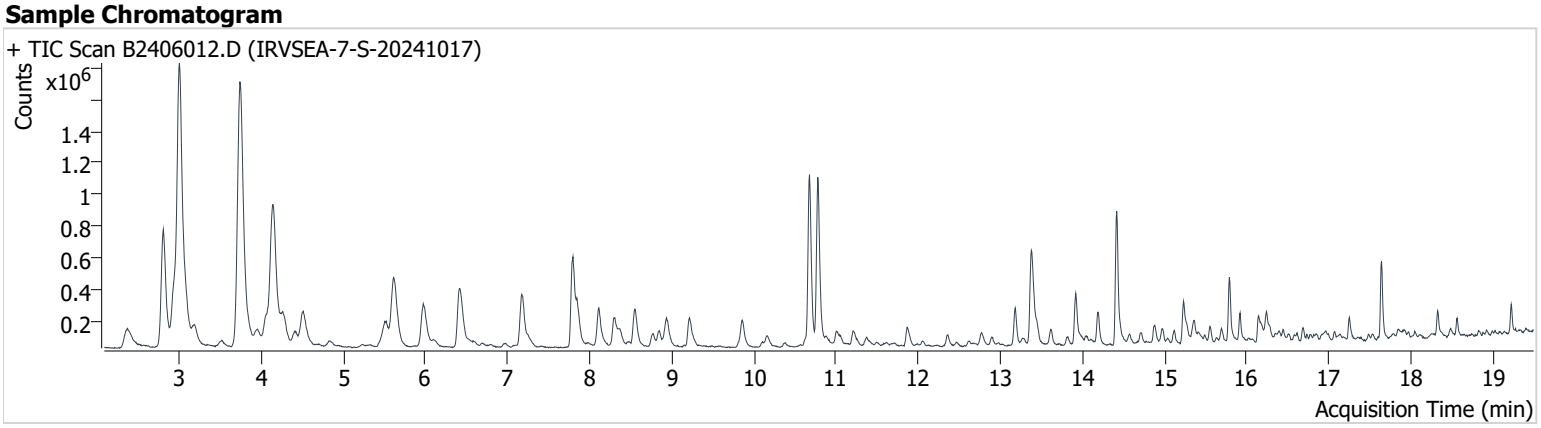
0
-0.5
-1
-1.5
91.0
106.0
41.0
55.0
69.1
77.0
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

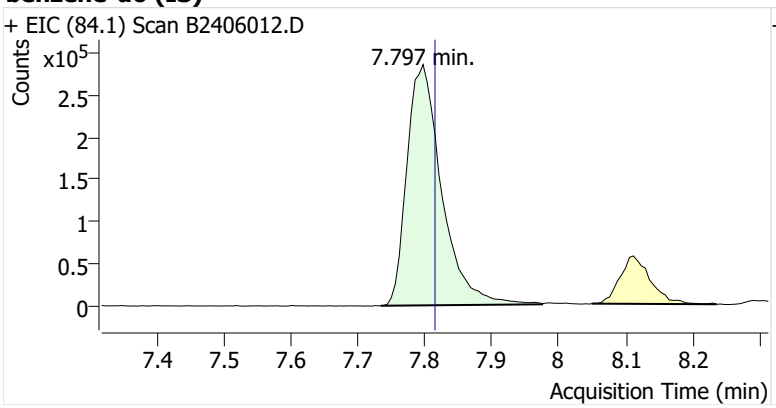
Name	IRVSEA-7-S-20241017
Comment	C43248
Data File	B2406012.D
Acq. Date-Time	11/7/2024 3:44:38 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

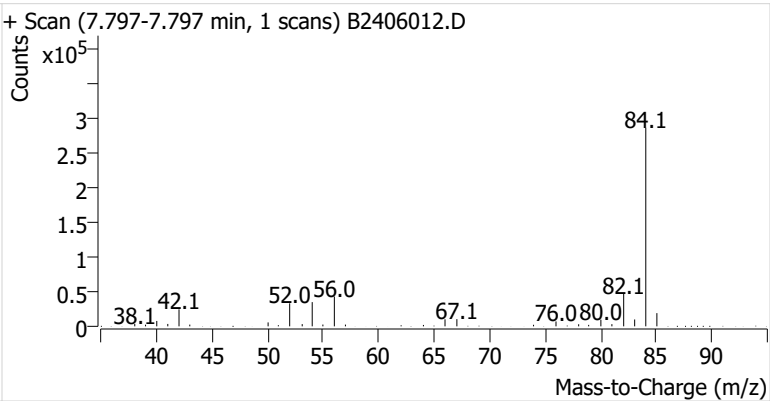
Sample Chromatogram



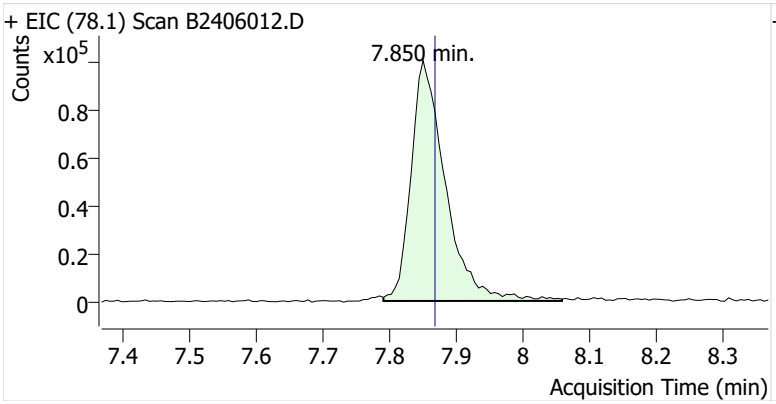
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,028,868	
Benzene	benzene-d6 (IS)	7.850	7.868	359,854	
Toluene-d8 (IS)		10.676	10.693	1,173,430	
Toluene	Toluene-d8 (IS)	10.777	10.794	1,228,233	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	263,929	
m-/p-Xylene	Toluene-d8 (IS)	13.376	13.412	732,808	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	301,330	

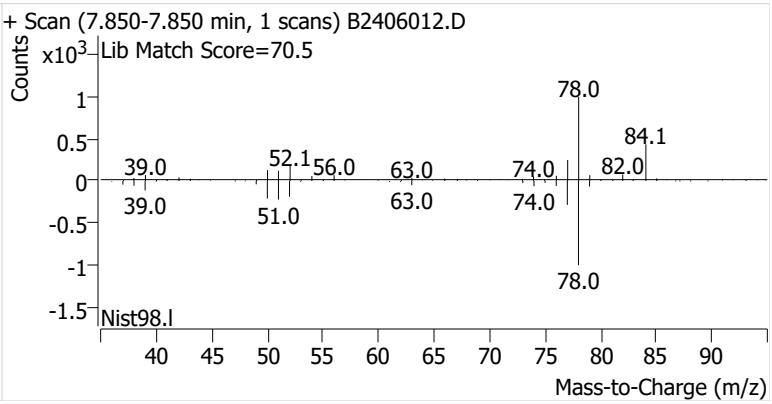
benzene-d6 (IS)



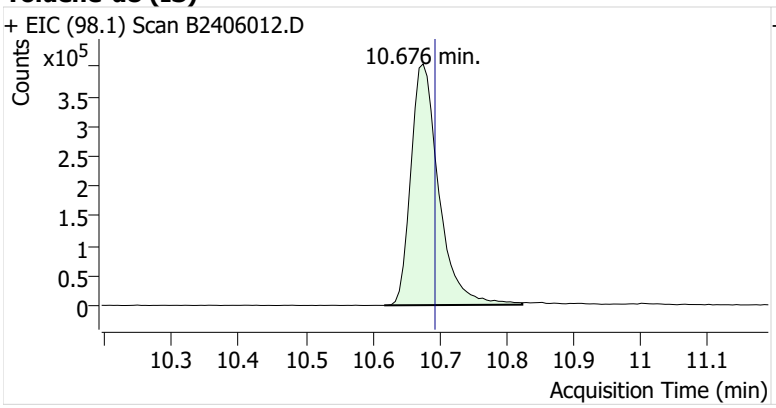


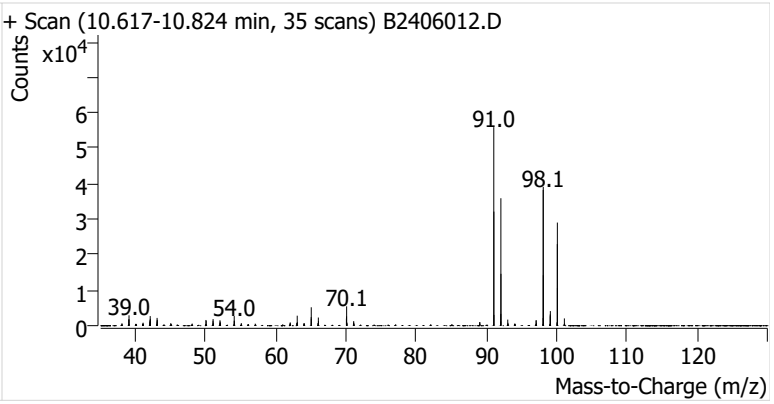
Benzene



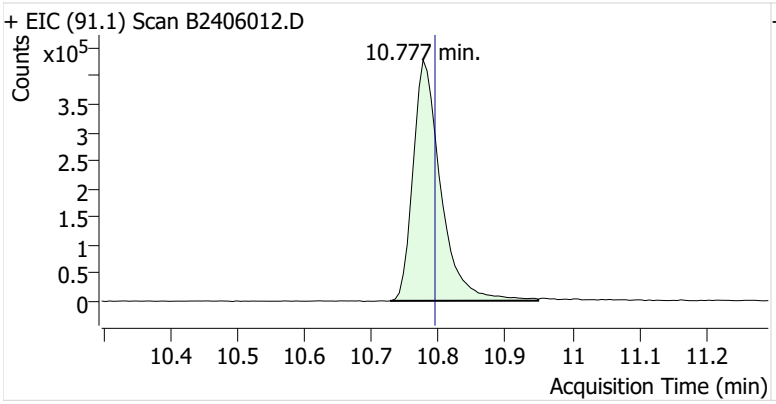


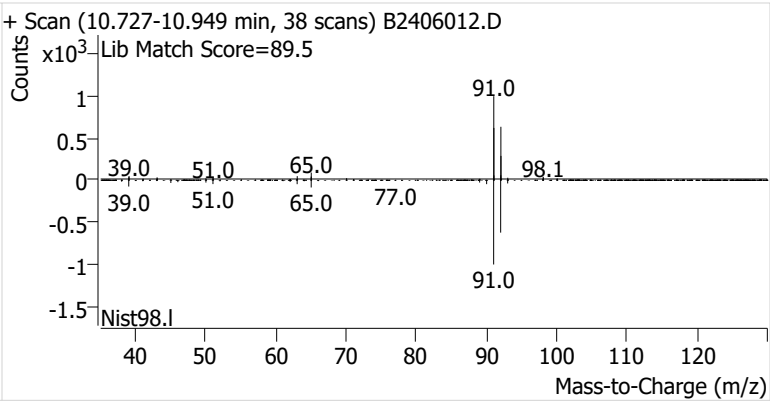
Toluene-d8 (IS)



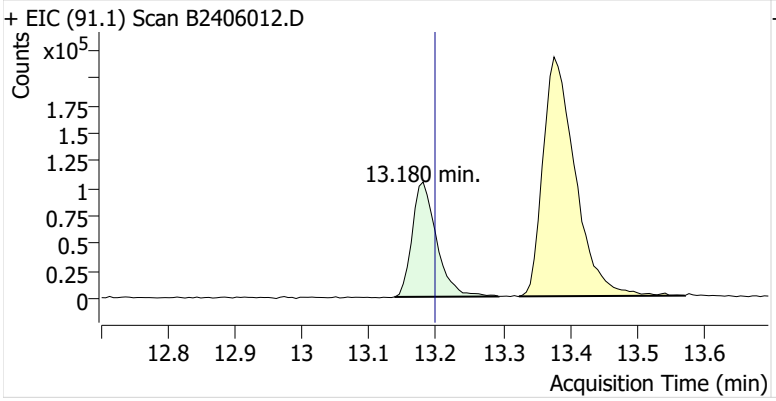


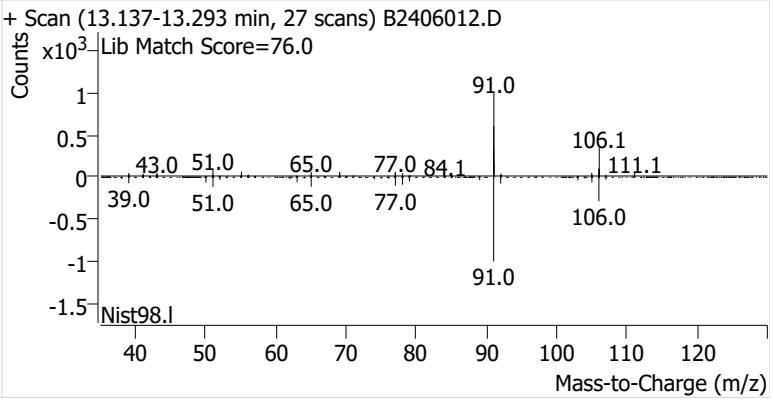
Toluene



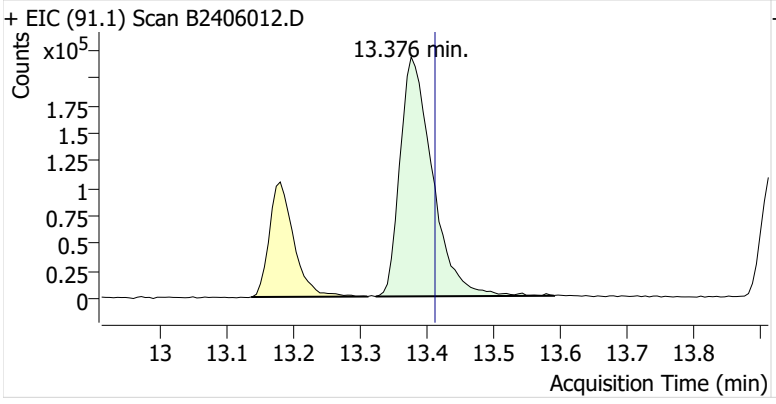


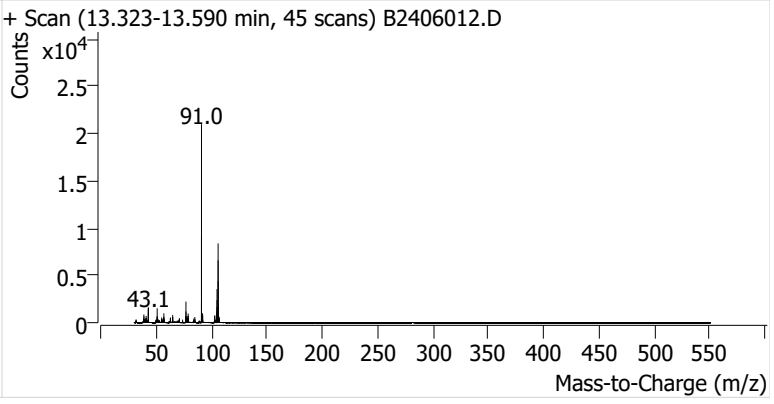
Ethylbenzene



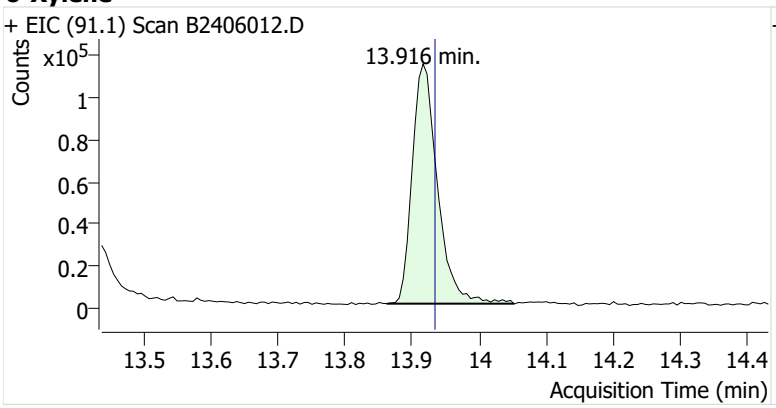


m-/p-Xylene





o-Xylene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13.916 min.
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0.8
0.6
0.4
0.2
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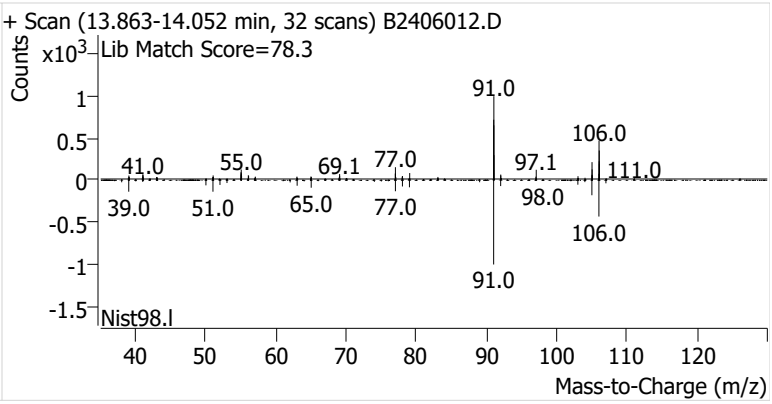
Acquisition Time (min)


+ Scan (13.863-14.052 min, 32 scans) B2406012.D
Counts
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Lib Match Score=78.3
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41.0
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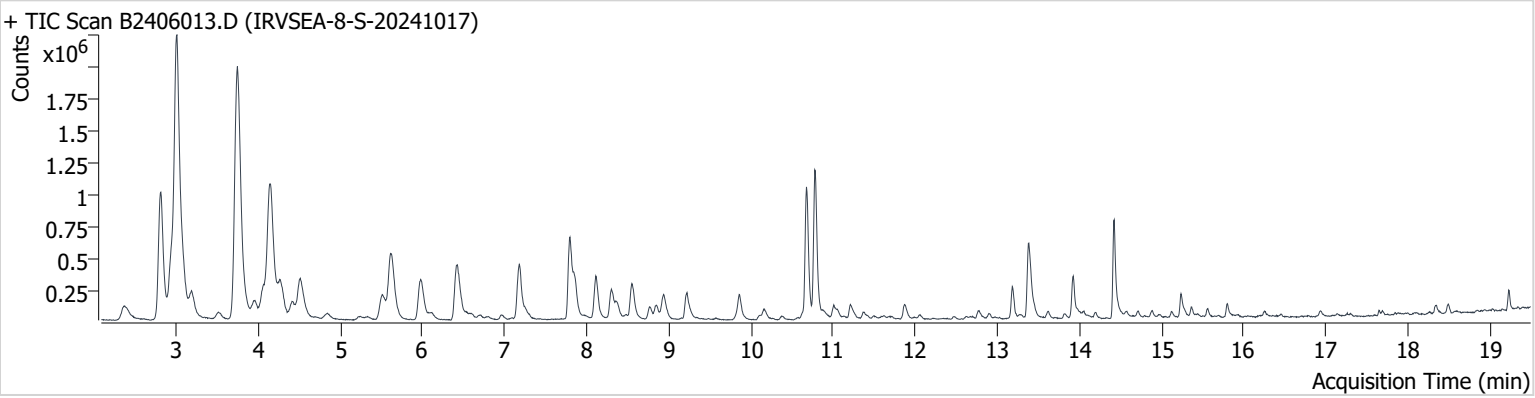
69.1
77.0
97.1
111.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

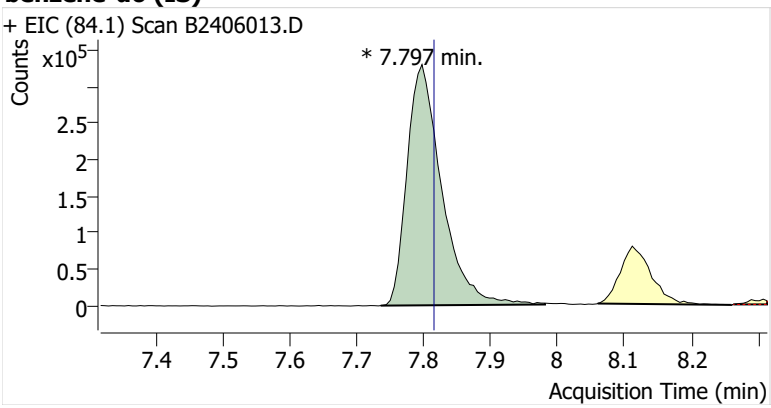
Name	IRVSEA-8-S-20241017
Comment	B35017
Data File	B2406013.D
Acq. Date-Time	11/7/2024 4:21:55 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

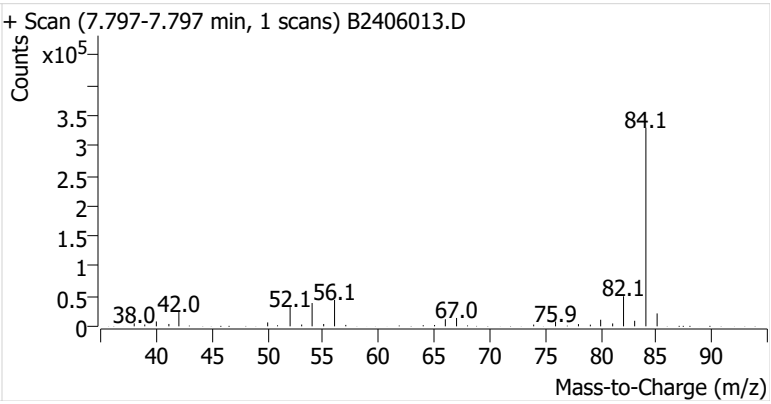
Sample Chromatogram



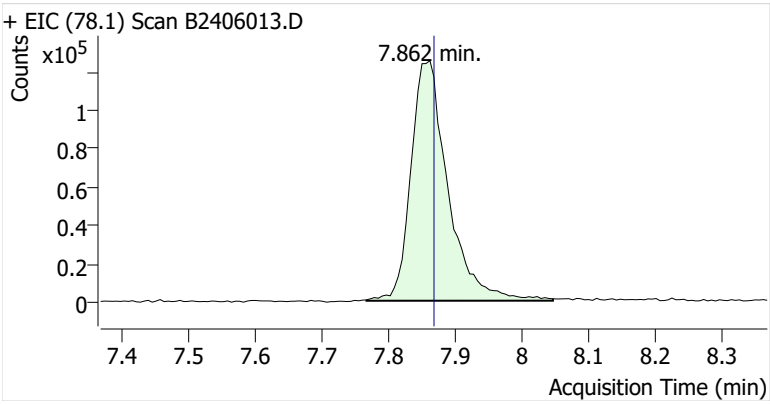
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,182,920	m
Benzene	benzene-d6 (IS)	7.862	7.868	481,134	
Toluene-d8 (IS)		10.676	10.693	1,179,755	
Toluene	Toluene-d8 (IS)	10.782	10.794	1,431,185	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	289,222	
m-/p-Xylene	Toluene-d8 (IS)	13.376	13.412	726,879	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	310,275	

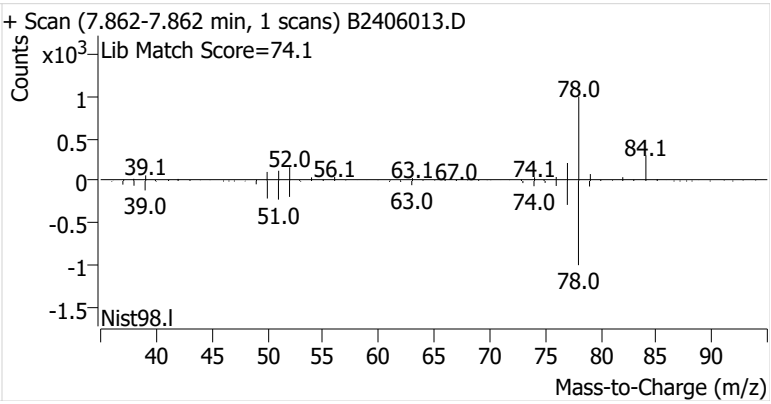
benzene-d6 (IS)



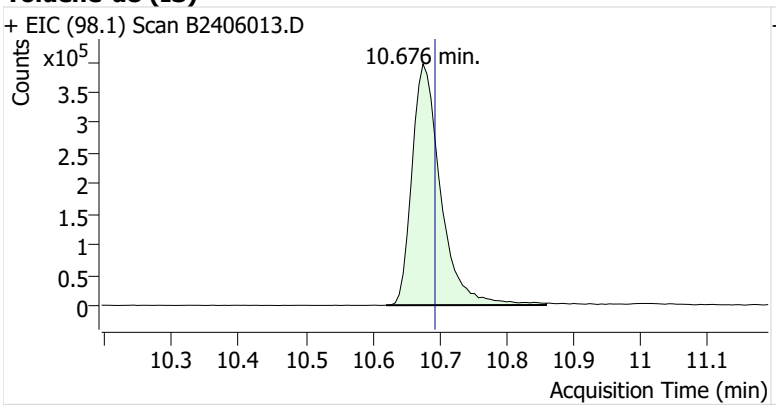


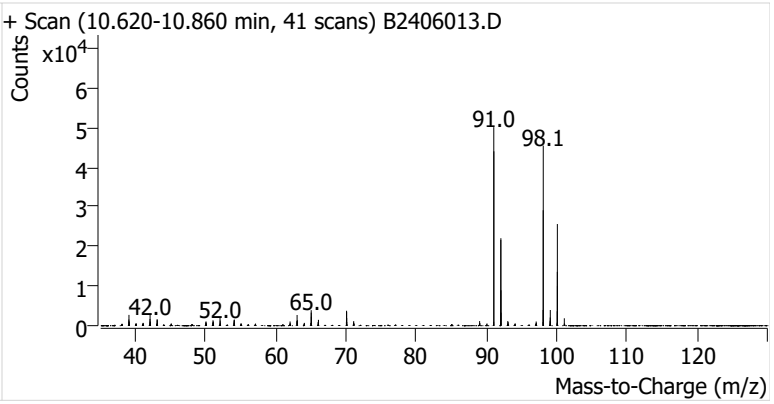
Benzene



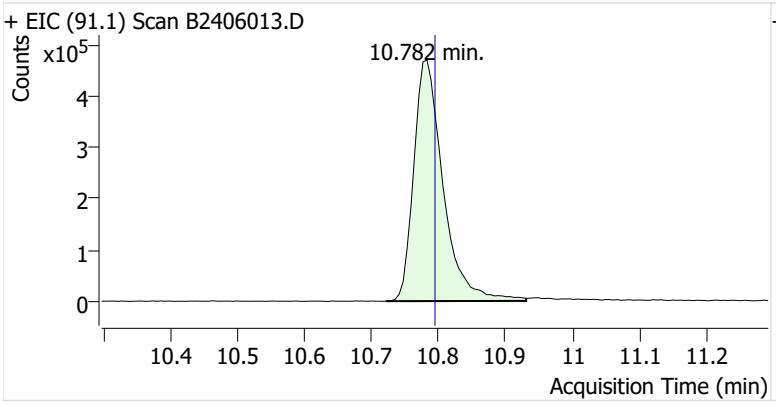


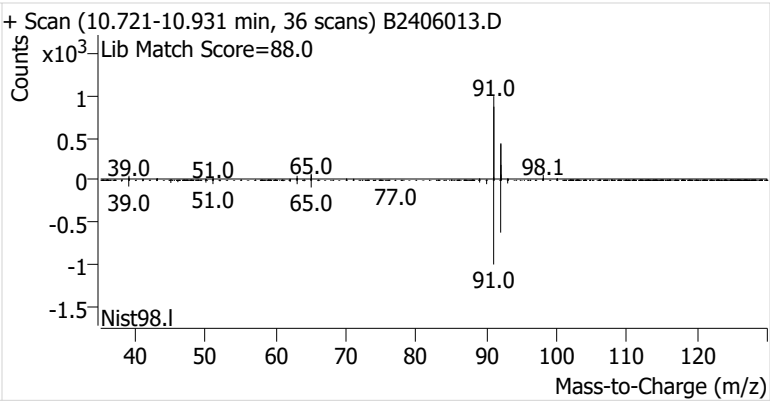
Toluene-d8 (IS)



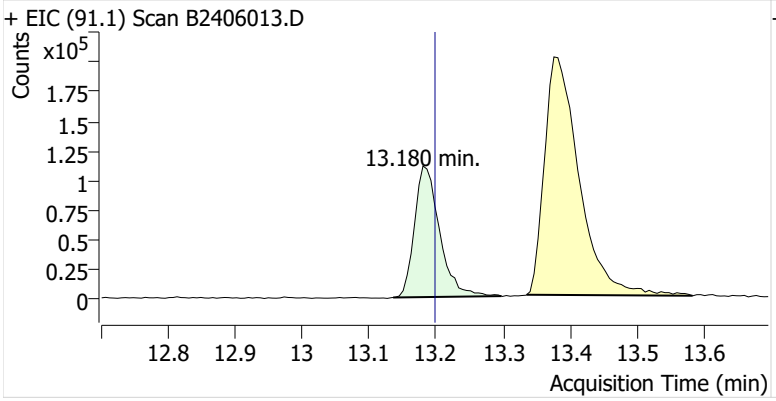


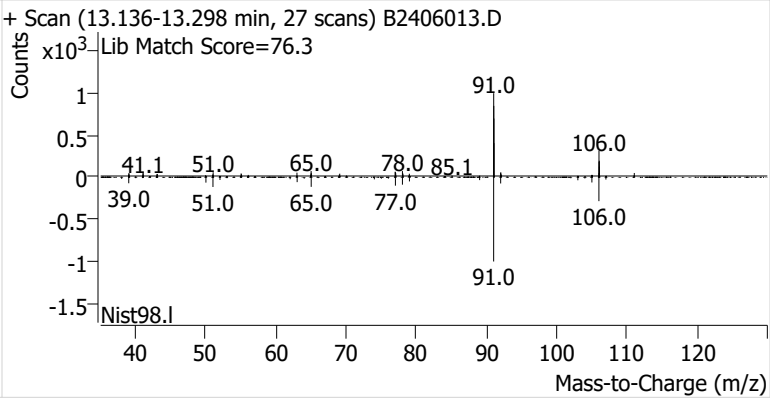
Toluene



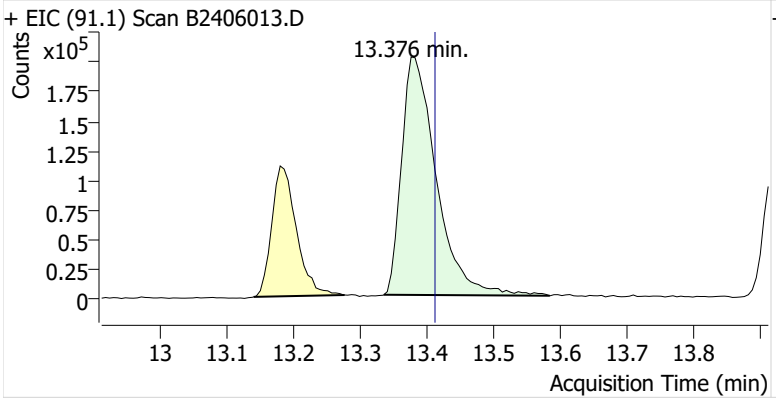


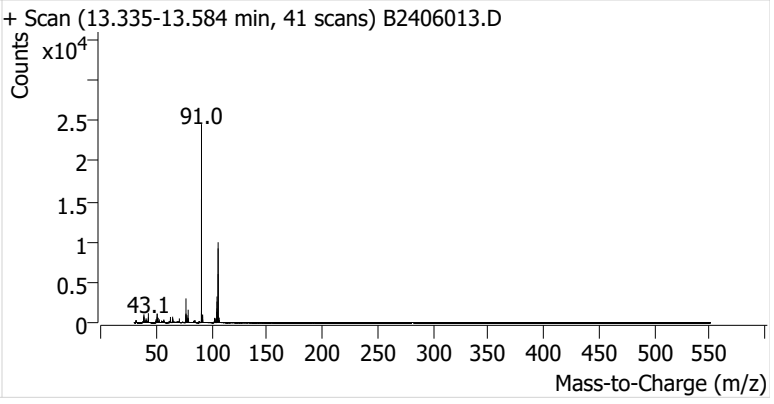
Ethylbenzene



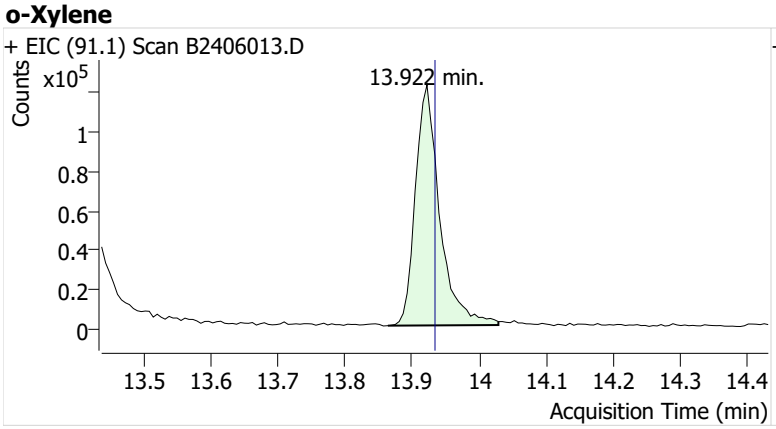


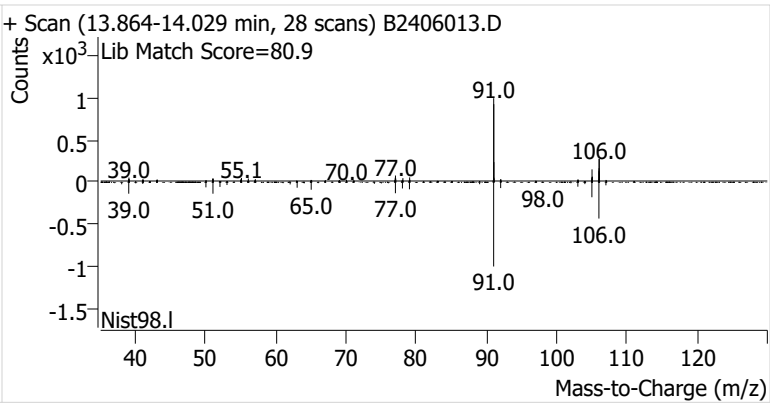
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan B2406013.D
Counts
x10^5
13.922 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.864-14.029 min, 28 scans) B2406013.D
Counts
x10^3
Lib Match Score=80.9
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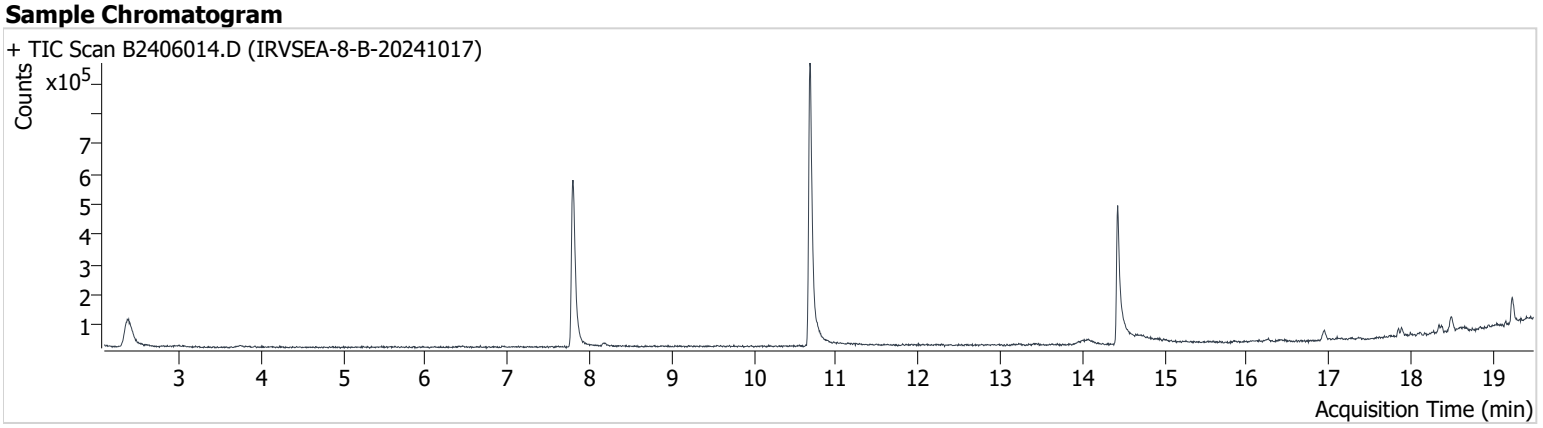
39.0
55.1
70.0
77.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

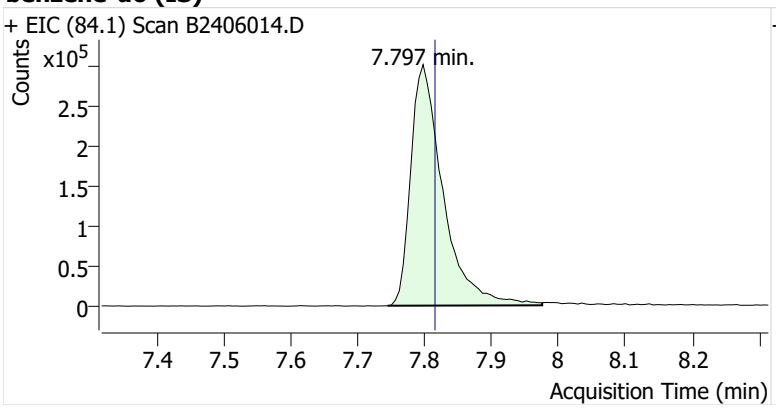
Name	IRVSEA-8-B-20241017
Comment	B39477
Data File	B2406014.D
Acq. Date-Time	11/7/2024 4:59:13 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

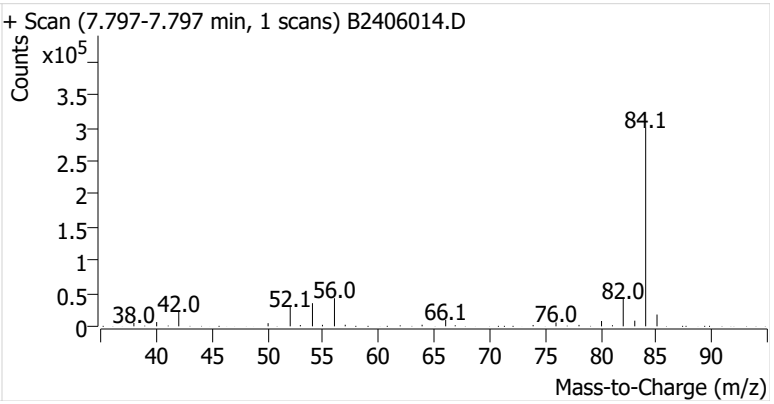
Sample Chromatogram



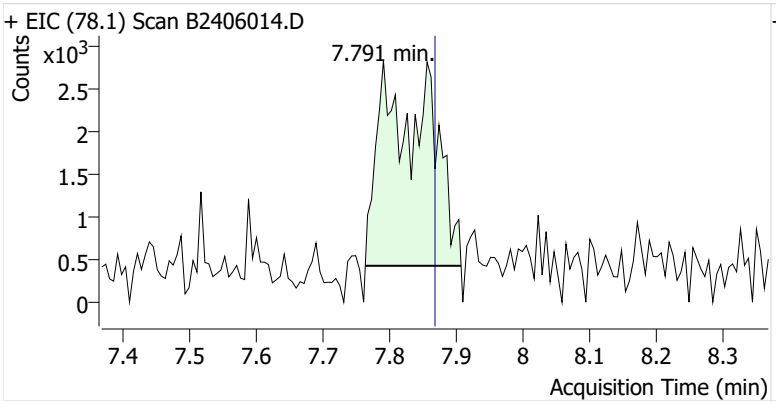
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,007,129	
Benzene	benzene-d6 (IS)	7.791	7.868	11,949	
Toluene-d8 (IS)		10.682	10.693	1,120,889	
Toluene	Toluene-d8 (IS)	10.788	10.794	15,837	
Ethylbenzene	Toluene-d8 (IS)	13.222	13.198	3,288	
m-/p-Xylene	Toluene-d8 (IS)	13.418	13.412	5,852	
o-Xylene	Toluene-d8 (IS)	13.946	13.934	1,770	m

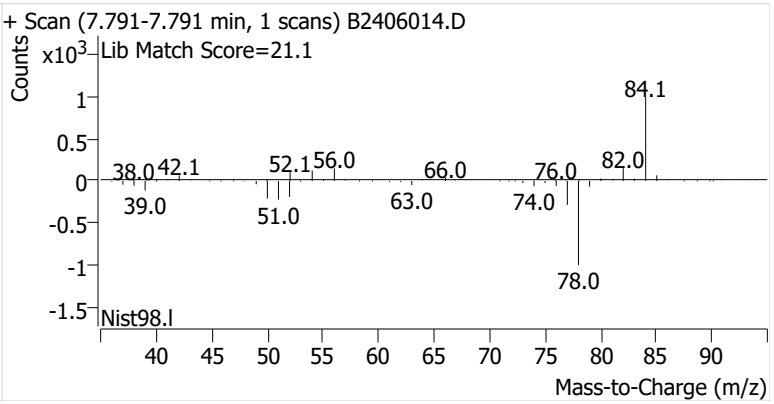
benzene-d6 (IS)



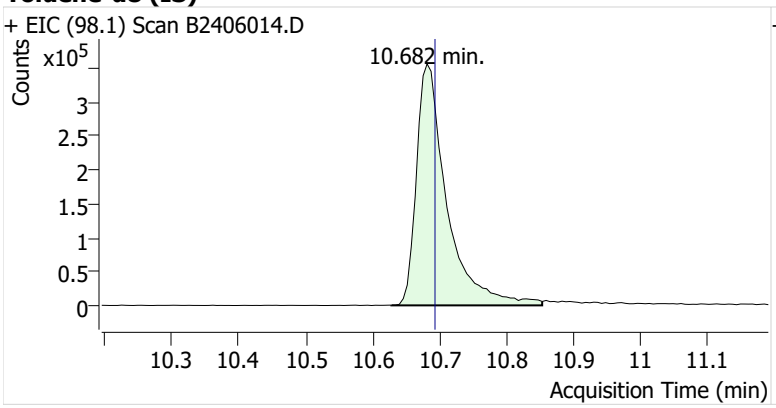


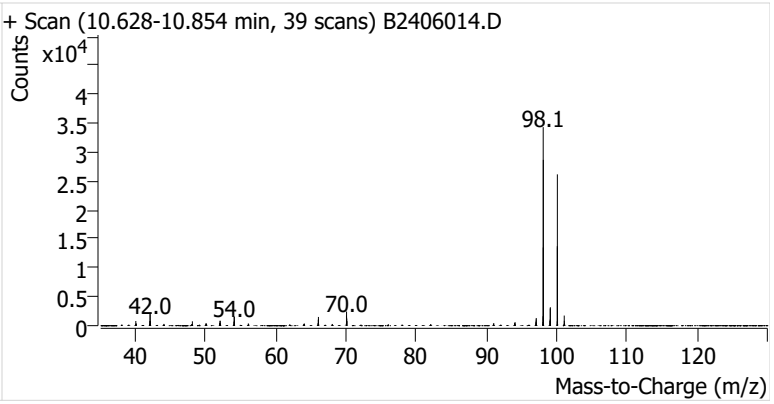
Benzene



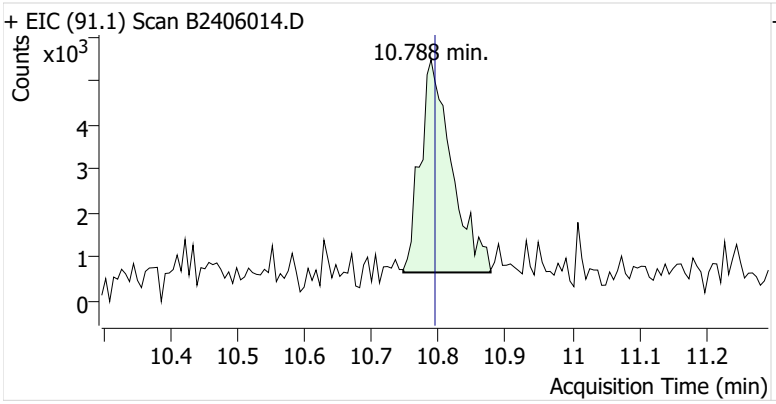


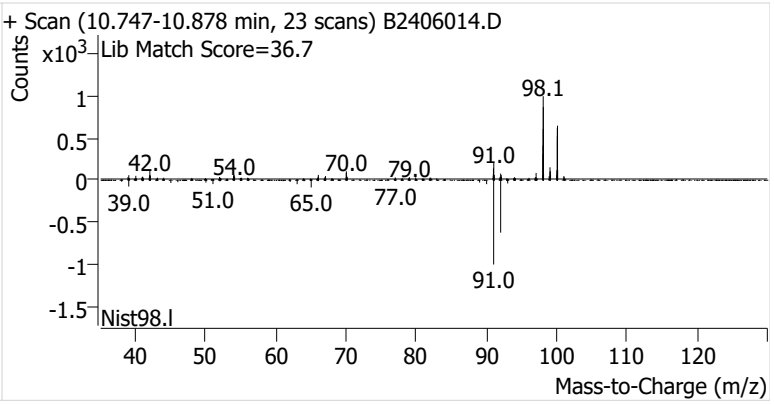
Toluene-d8 (IS)



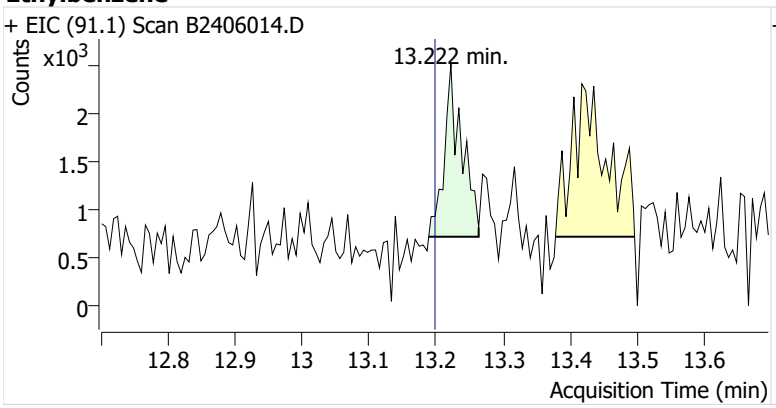


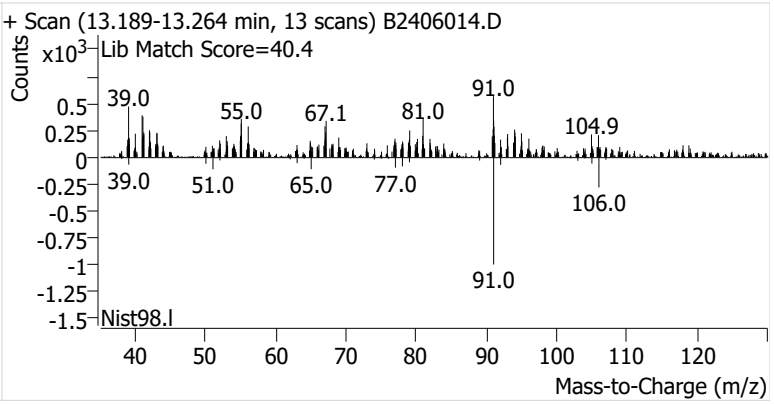
Toluene



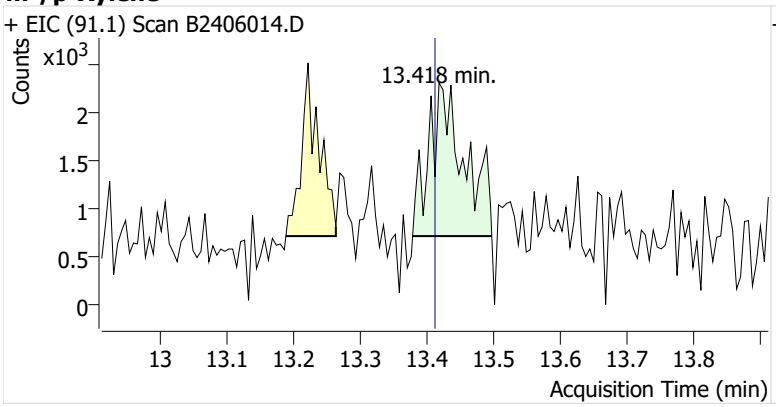


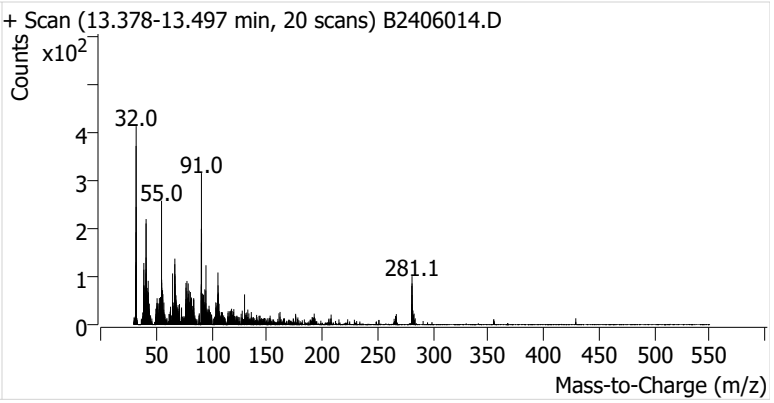
Ethylbenzene



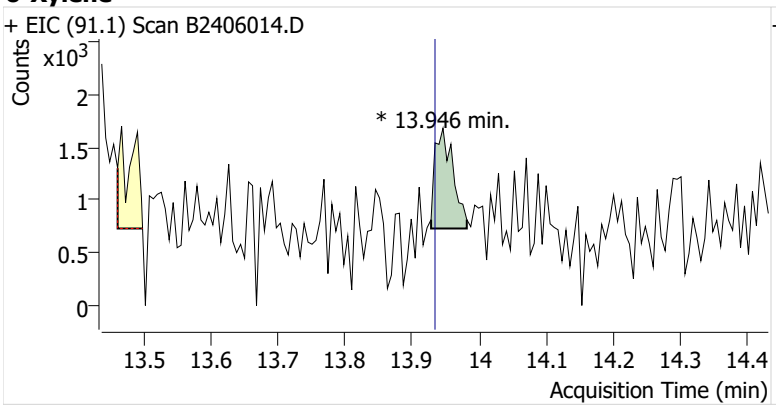


m-/p-Xylene





o-Xylene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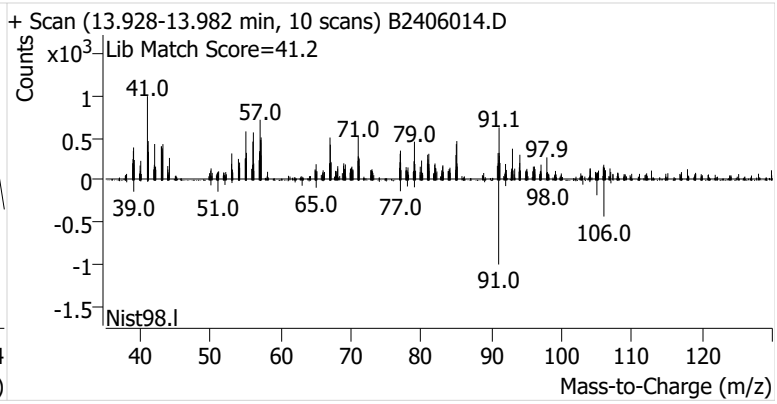
Counts
x10^3
2
1.5
1
0.5
0
* 13.946 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
14.4
Acquisition Time (min)


+ Scan (13.928-13.982 min, 10 scans) B2406014.D
Lib Match Score=41.2
Counts
x10^3
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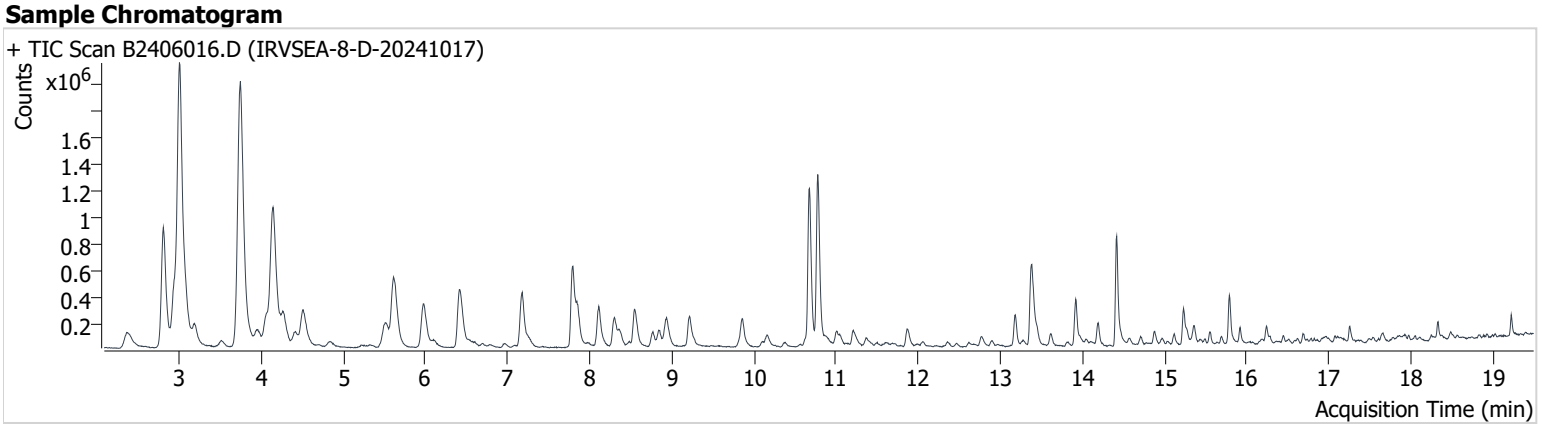
0.5
0
-0.5
-1
-1.5
41.0
57.0
71.0
79.0
91.1
97.9
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

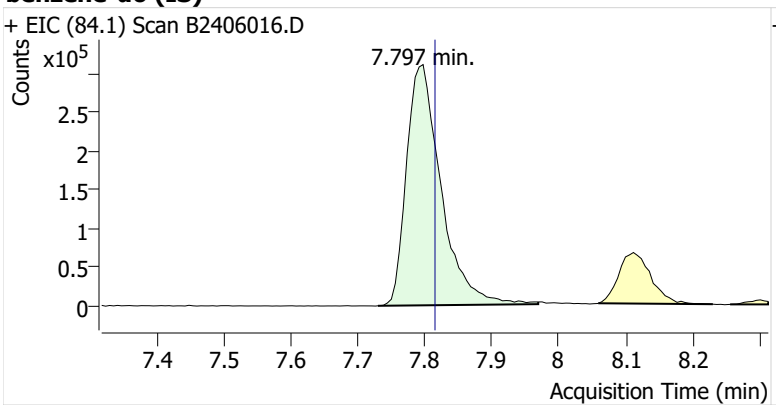
Name	IRVSEA-8-D-20241017
Comment	C43190
Data File	B2406016.D
Acq. Date-Time	11/7/2024 6:13:52 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

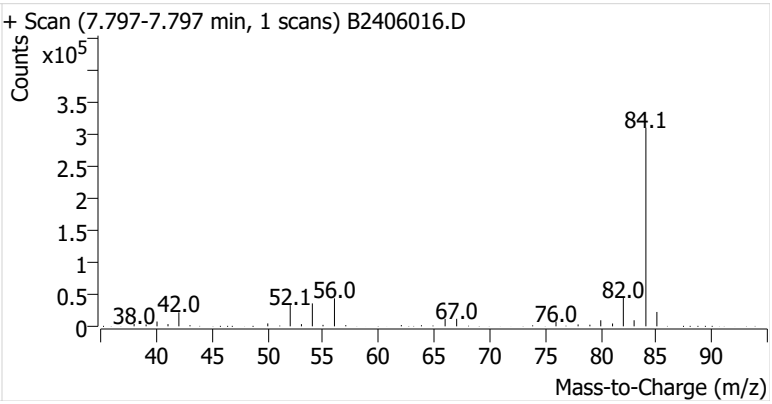
Sample Chromatogram



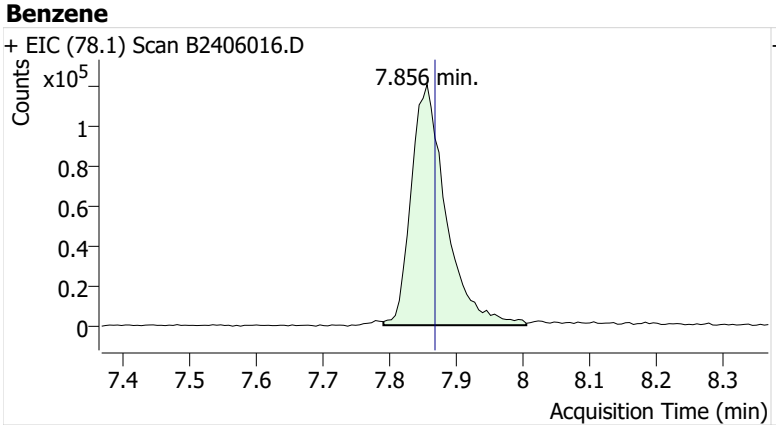
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	1,111,977	
Benzene	benzene-d6 (IS)	7.856	7.868	434,814	
Toluene-d8 (IS)		10.676	10.693	1,346,273	
Toluene	Toluene-d8 (IS)	10.777	10.794	1,535,956	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	264,956	
m-/p-Xylene	Toluene-d8 (IS)	13.382	13.412	754,176	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	321,449	

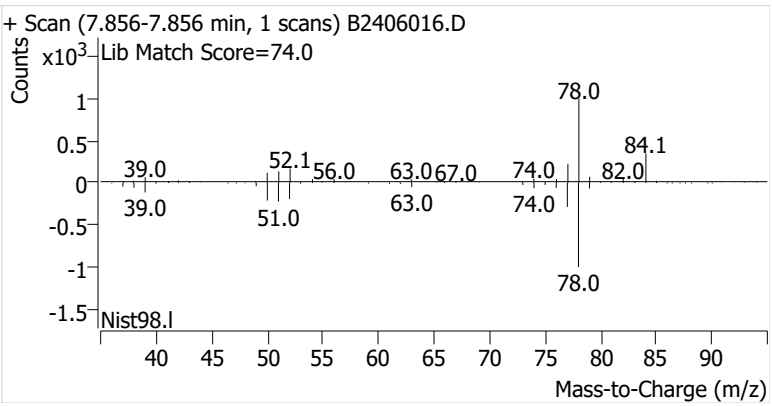
benzene-d6 (IS)



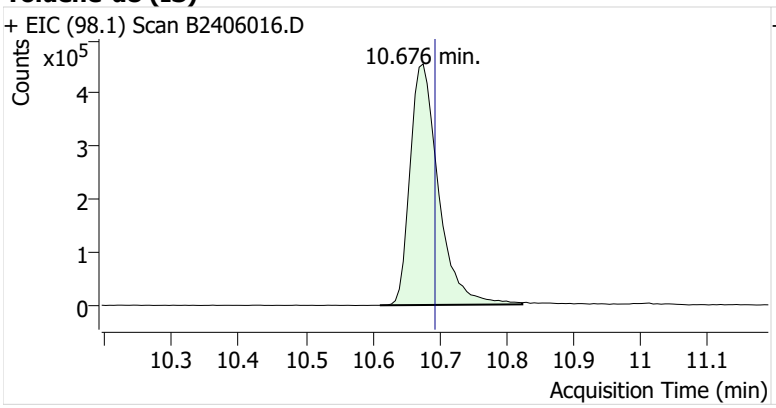


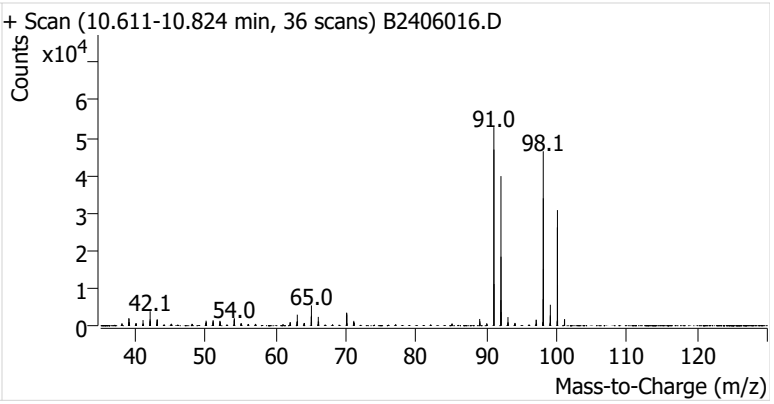
Benzene



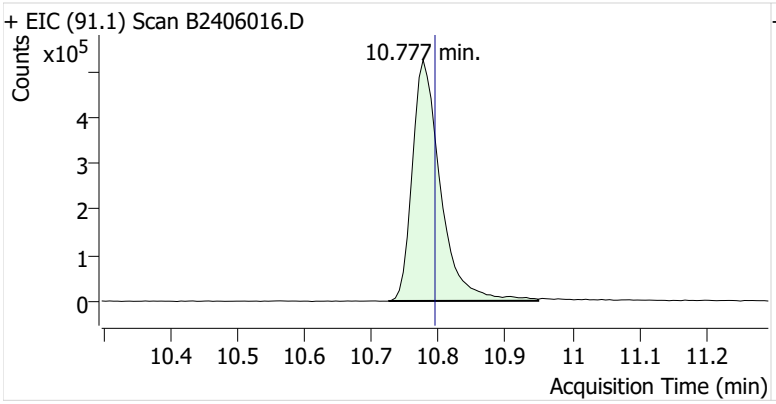


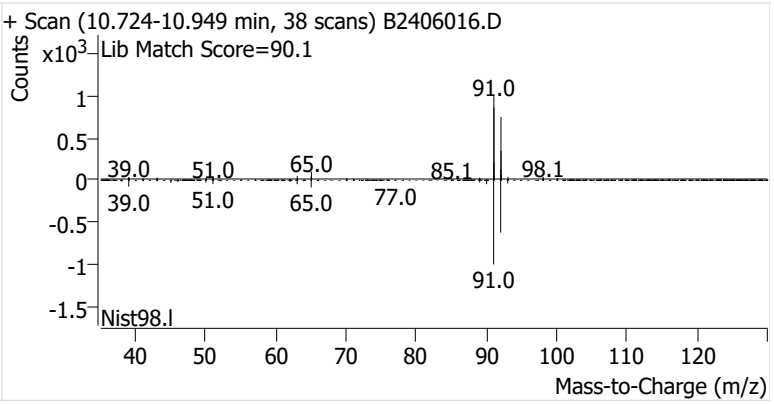
Toluene-d8 (IS)



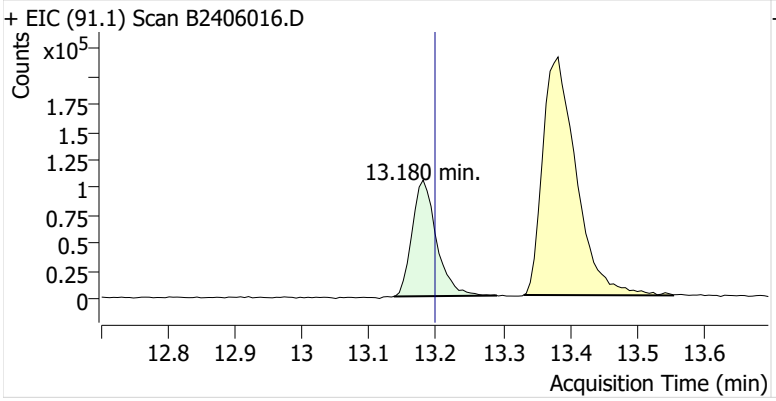


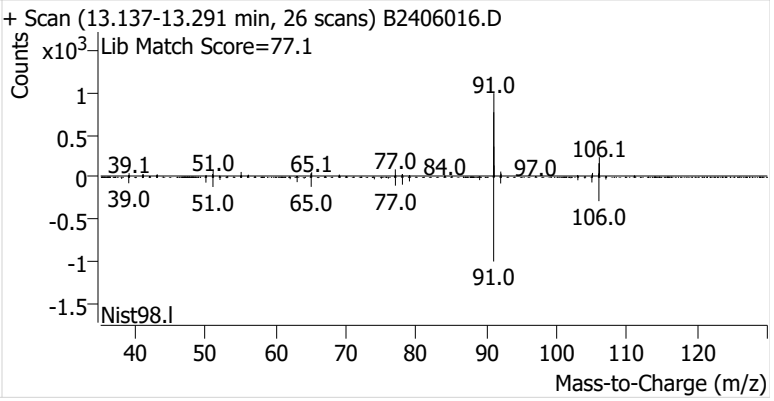
Toluene



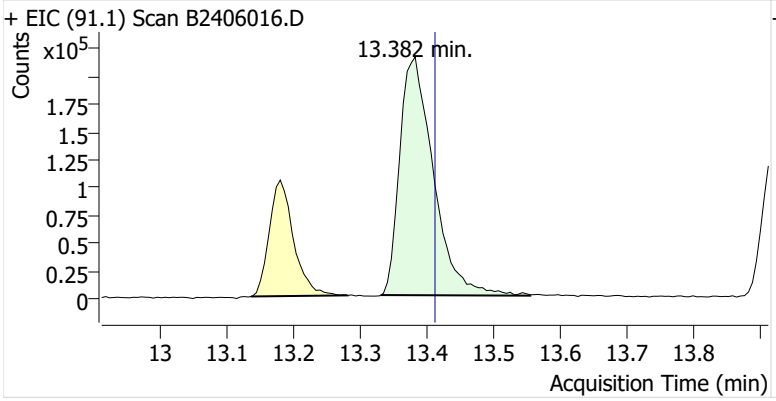


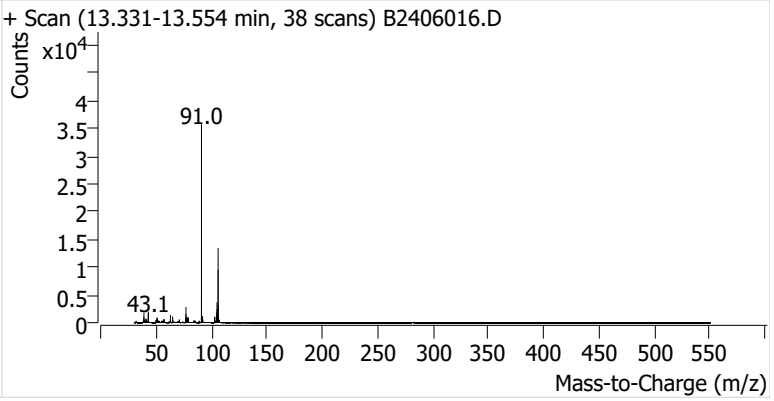
Ethylbenzene



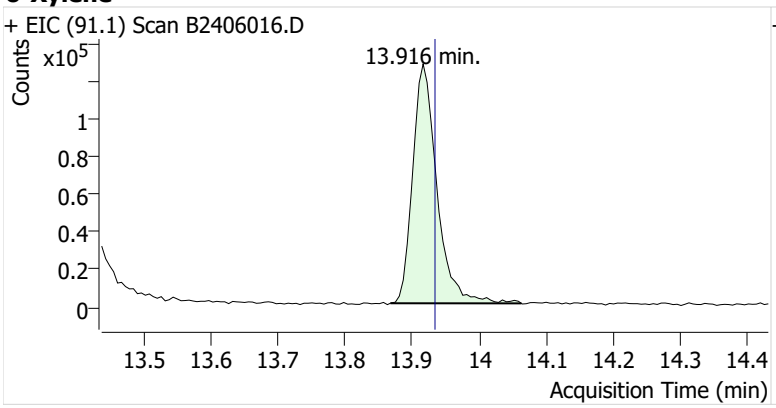


m-/p-Xylene





o-Xylene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0.6
0.4
0.2
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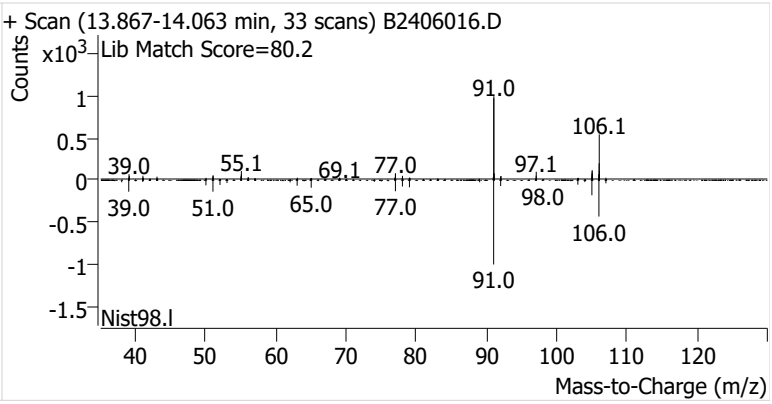
Acquisition Time (min)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Lib Match Score=80.2
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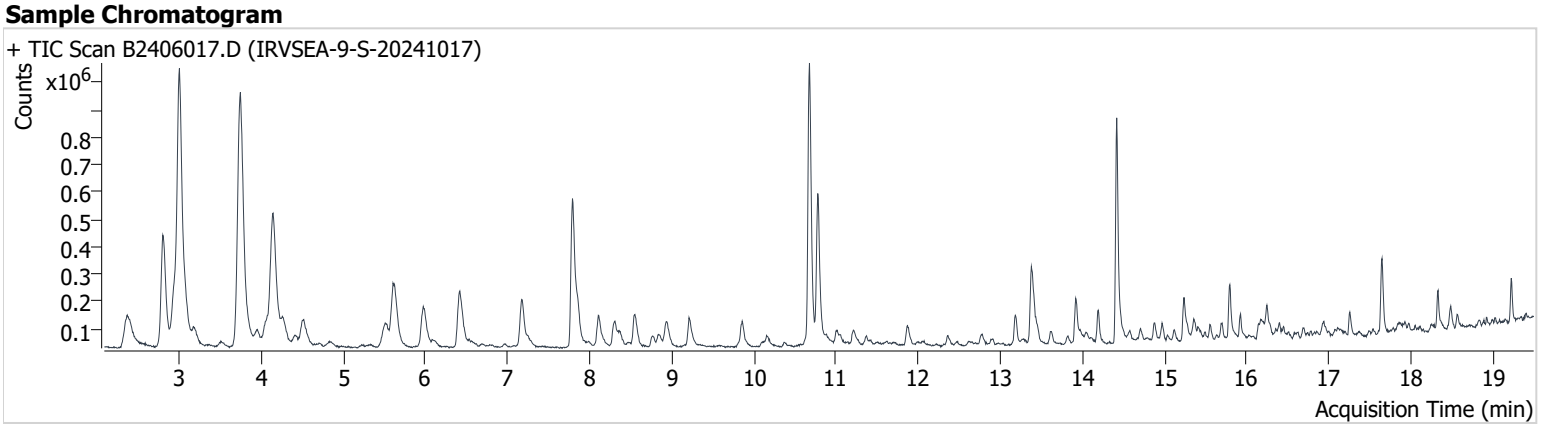
39.0
55.1
69.1
77.0
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

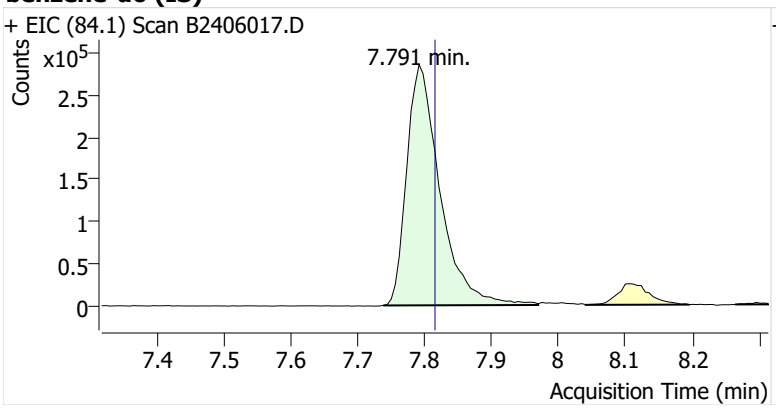
Name	IRVSEA-9-S-20241017
Comment	C43726
Data File	B2406017.D
Acq. Date-Time	11/7/2024 6:51:10 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

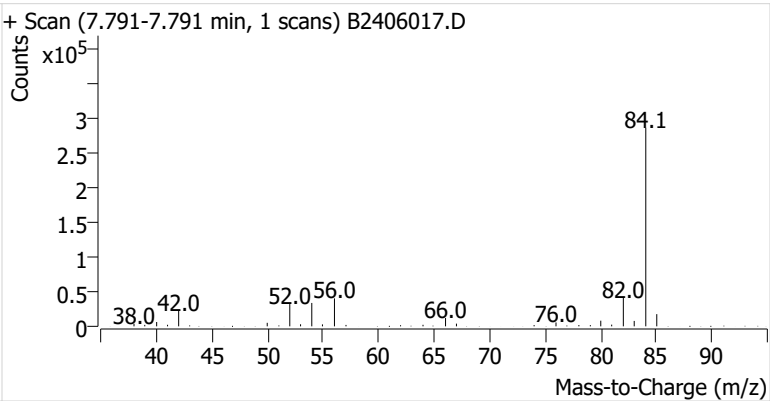
Sample Chromatogram



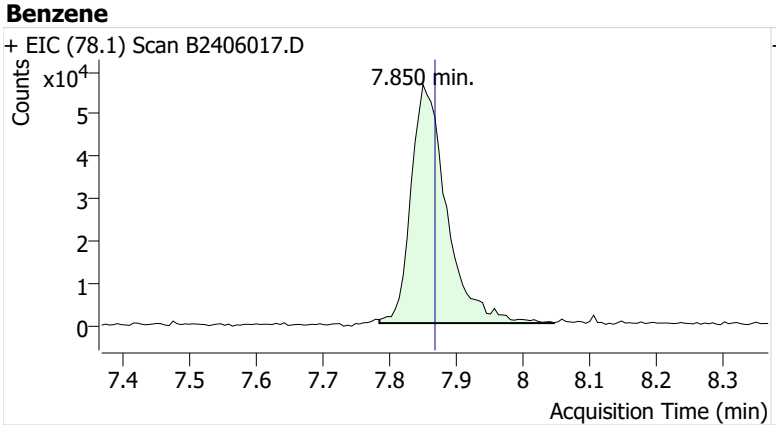
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	984,684	
Benzene	benzene-d6 (IS)	7.850	7.868	208,405	
Toluene-d8 (IS)		10.676	10.693	1,140,079	
Toluene	Toluene-d8 (IS)	10.776	10.794	625,802	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	118,595	
m-/p-Xylene	Toluene-d8 (IS)	13.376	13.412	336,804	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	146,236	

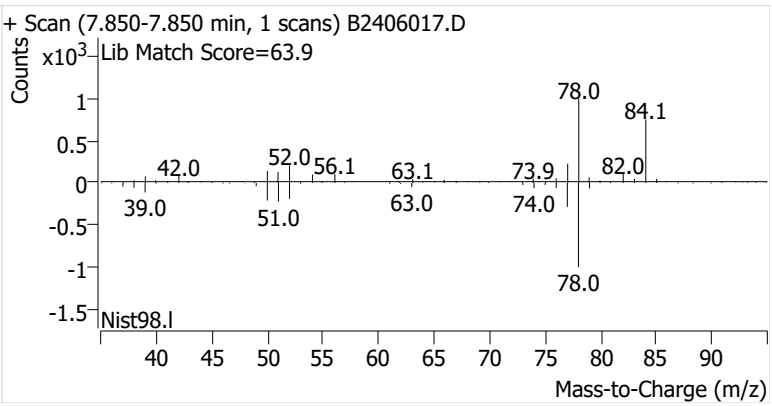
benzene-d6 (IS)



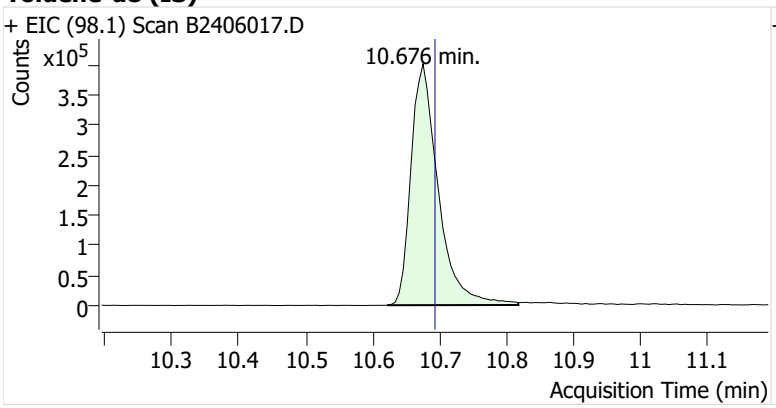


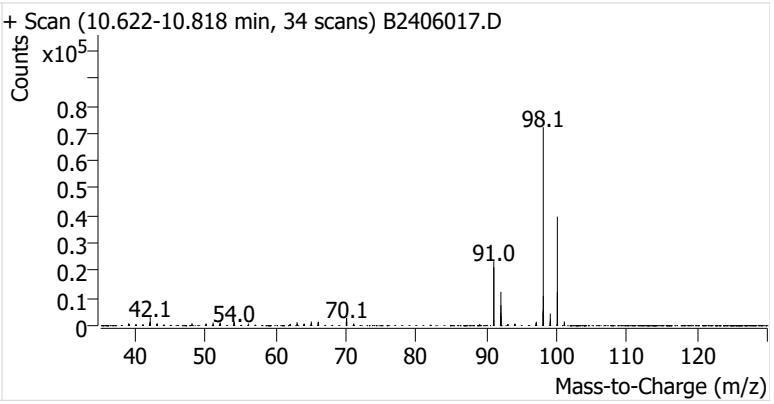
Benzene



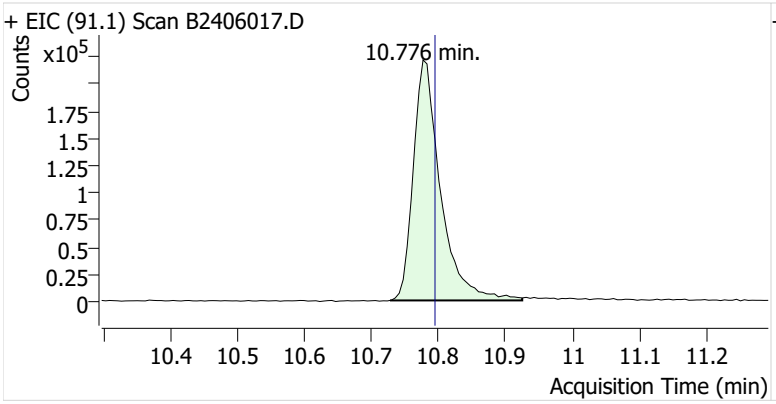


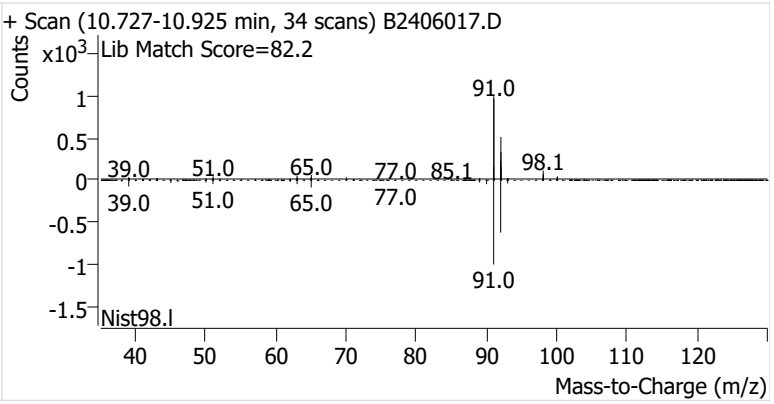
Toluene-d8 (IS)



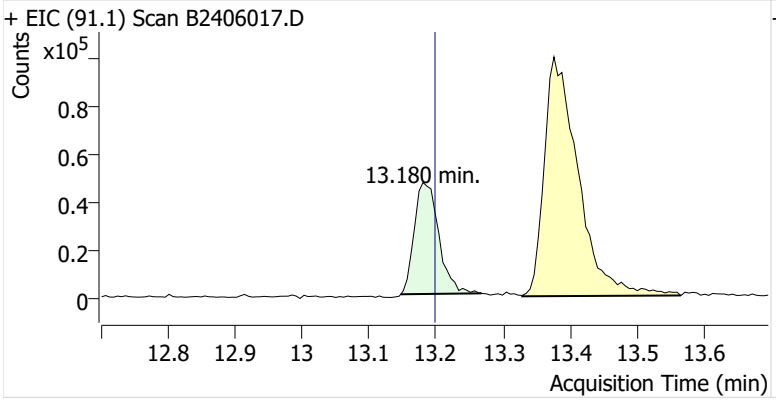


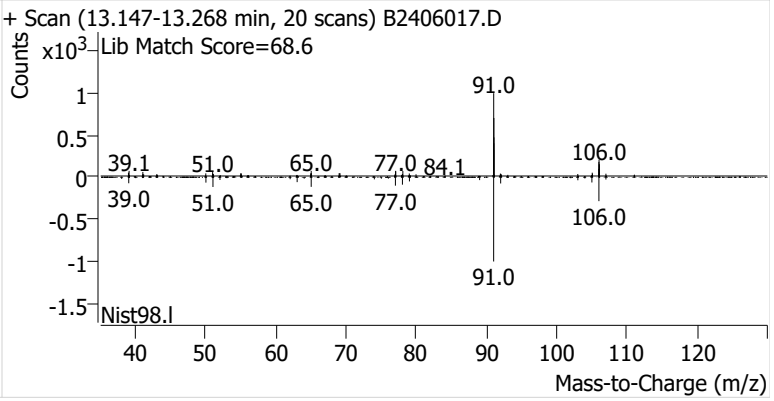
Toluene



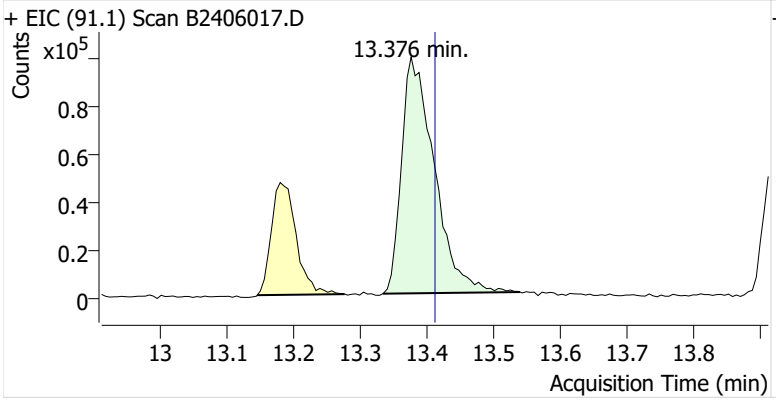


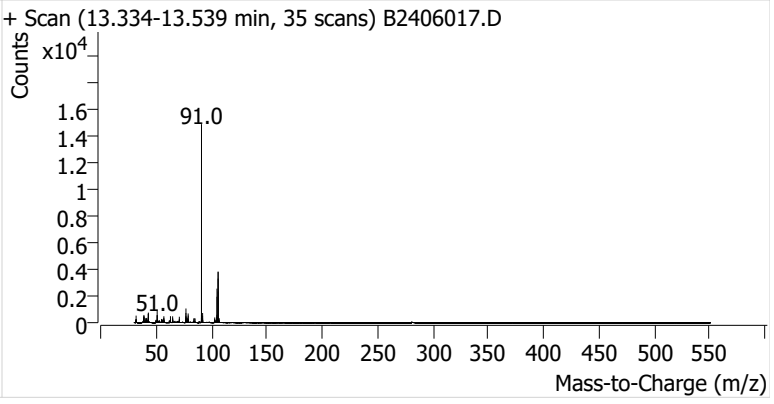
Ethylbenzene



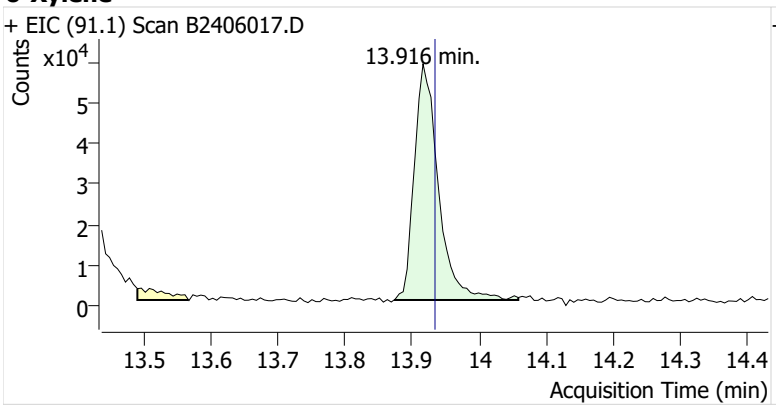


m-/p-Xylene





o-Xylene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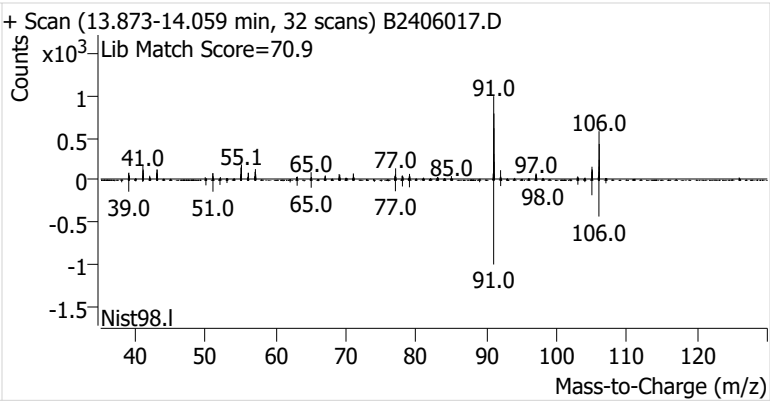
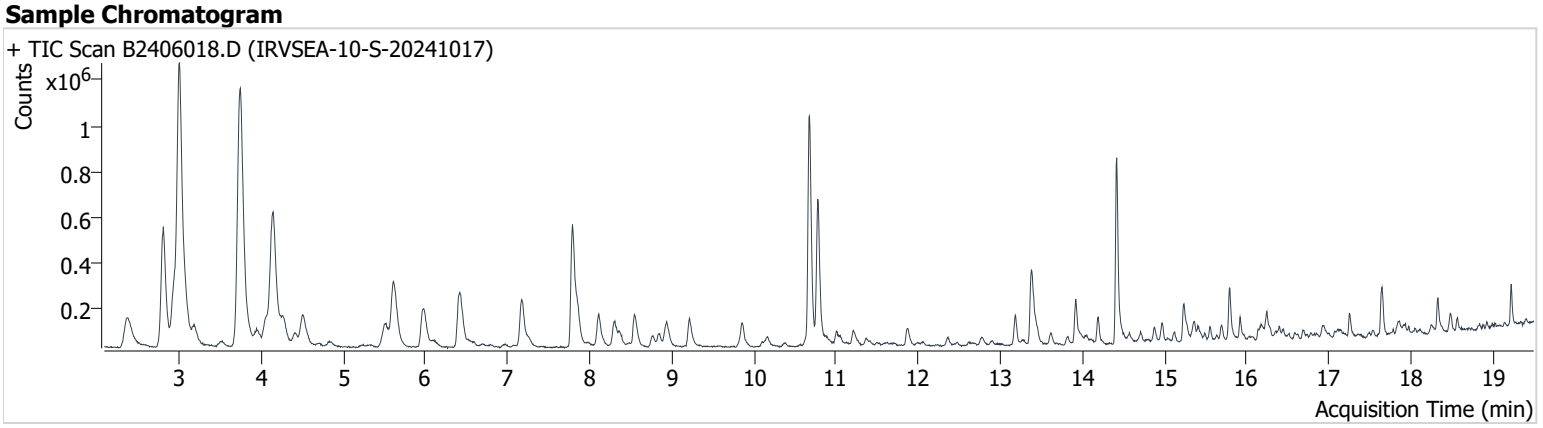
x10^4
13.916 min.
Acquisition Time (min)


+ Scan (13.873-14.059 min, 32 scans) B2406017.D
Counts
x10^3
Lib Match Score=70.9
Nist98.l
Mass-to-Charge (m/z)

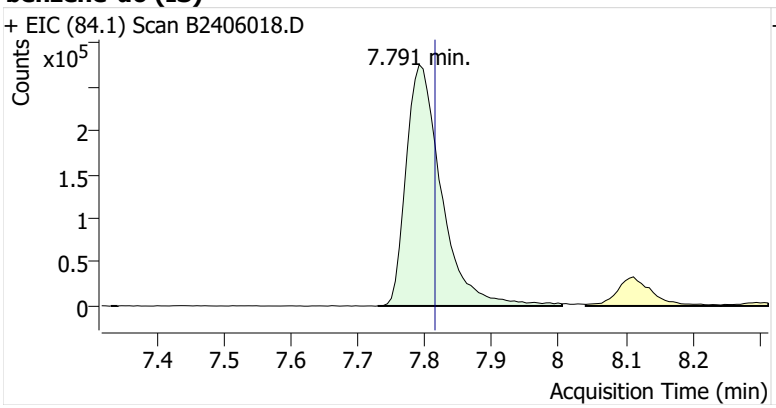
Name	IRVSEA-10-S-20241017
Comment	C38878
Data File	B2406018.D
Acq. Date-Time	11/7/2024 7:28:30 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

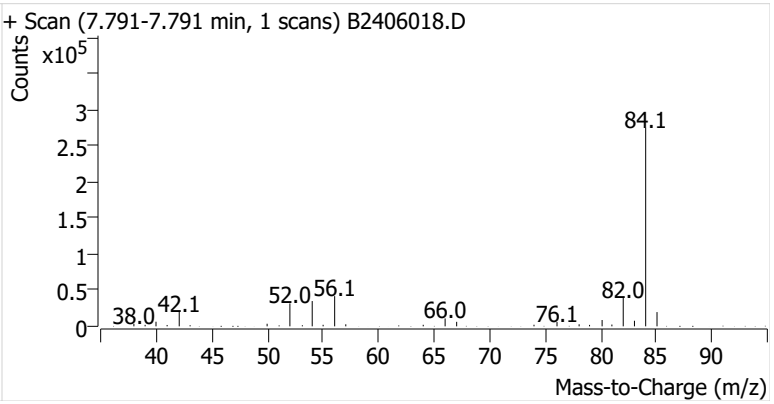
Sample Chromatogram



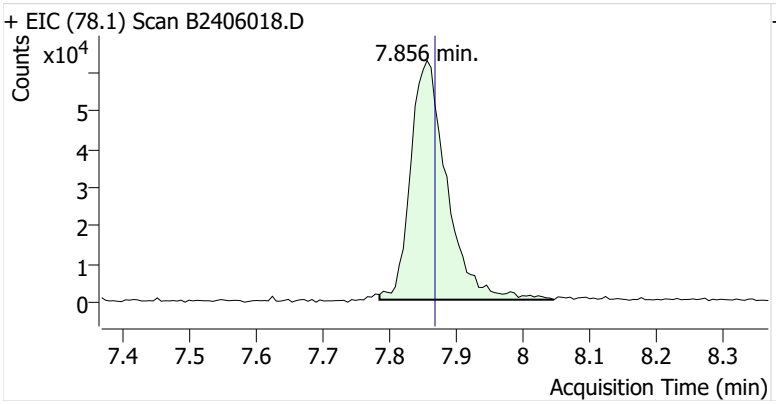
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	1,009,797	
Benzene	benzene-d6 (IS)	7.856	7.868	235,635	
Toluene-d8 (IS)		10.676	10.693	1,131,173	
Toluene	Toluene-d8 (IS)	10.777	10.794	738,728	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	146,774	
m-/p-Xylene	Toluene-d8 (IS)	13.376	13.412	408,088	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	167,375	

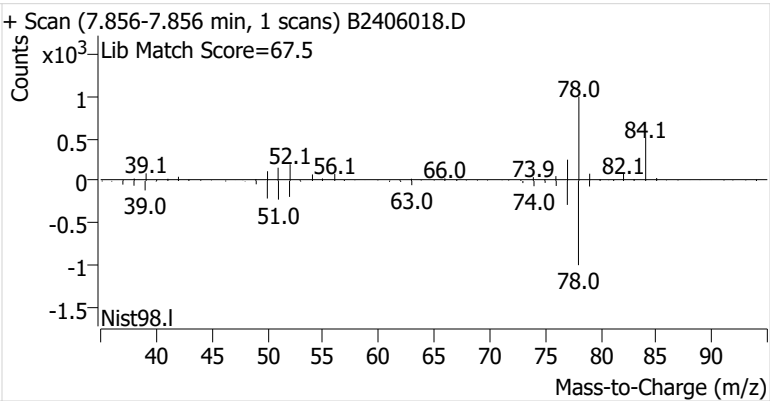
benzene-d6 (IS)



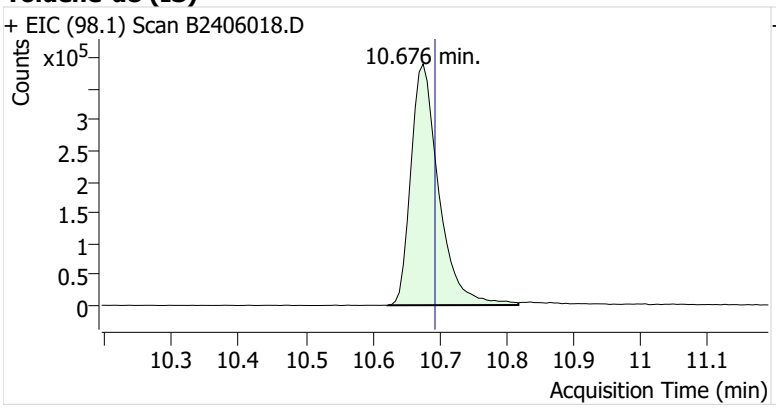


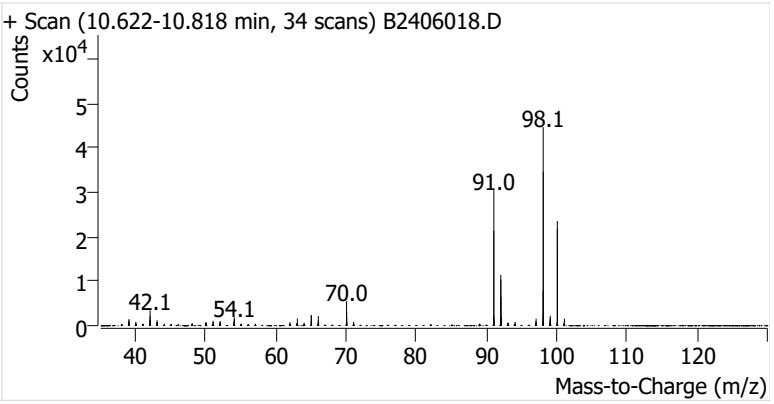
Benzene



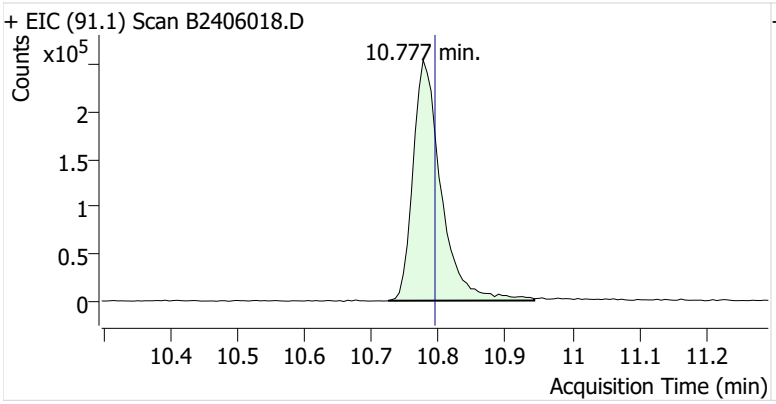


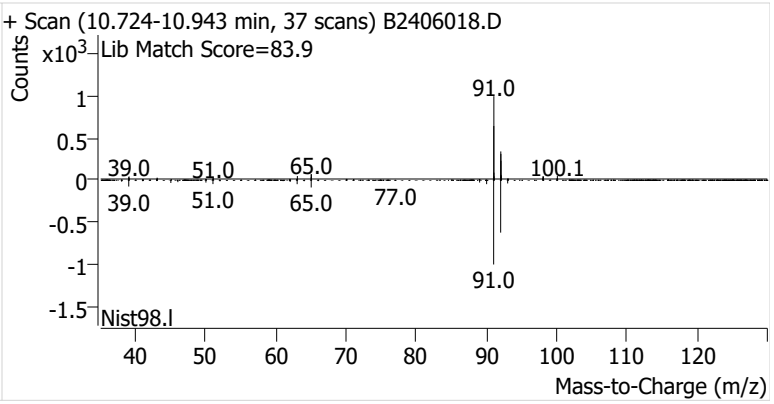
Toluene-d8 (IS)



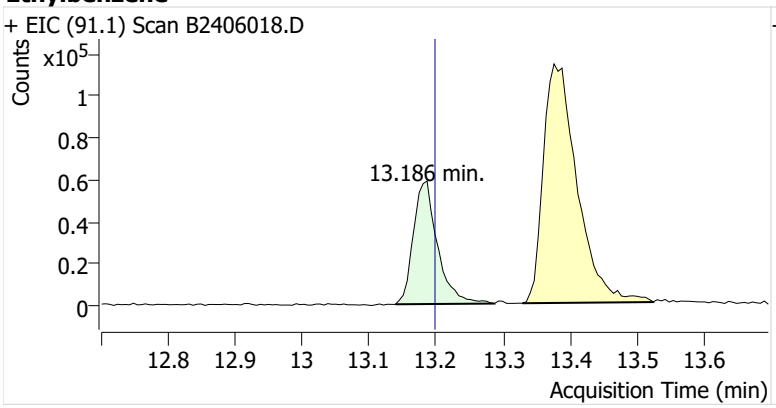


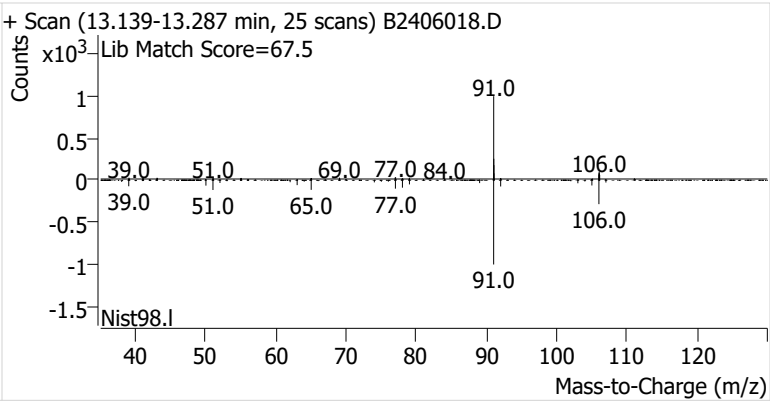
Toluene



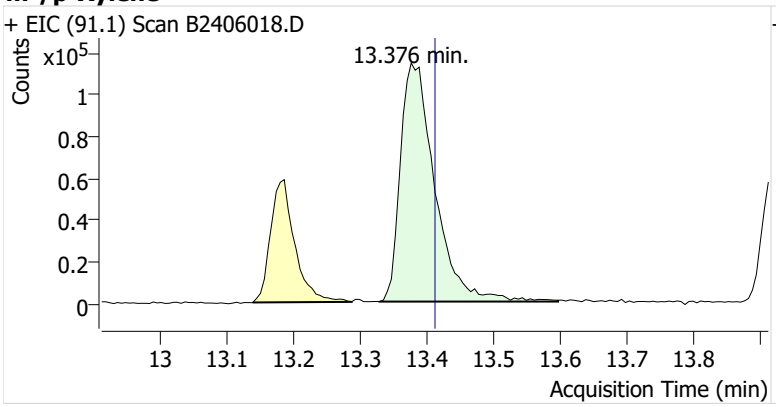


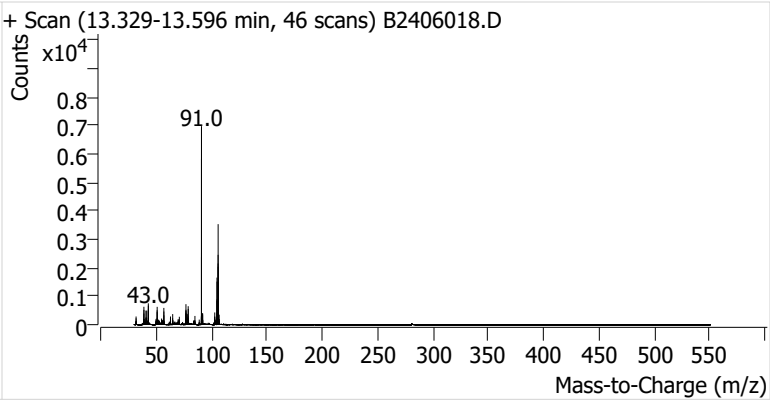
Ethylbenzene



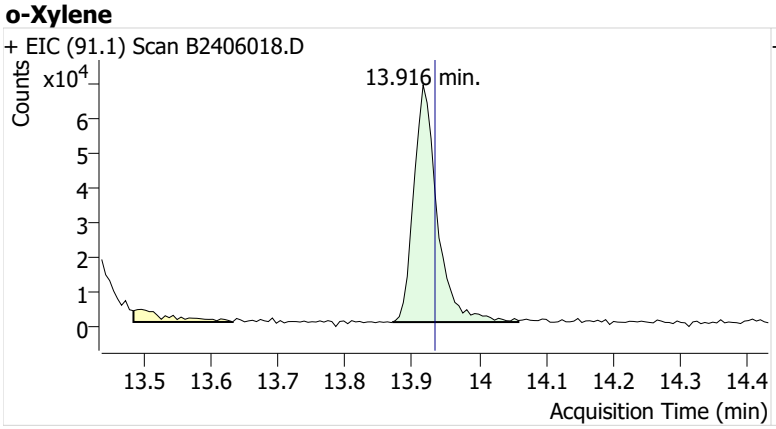


m-/p-Xylene





o-Xylene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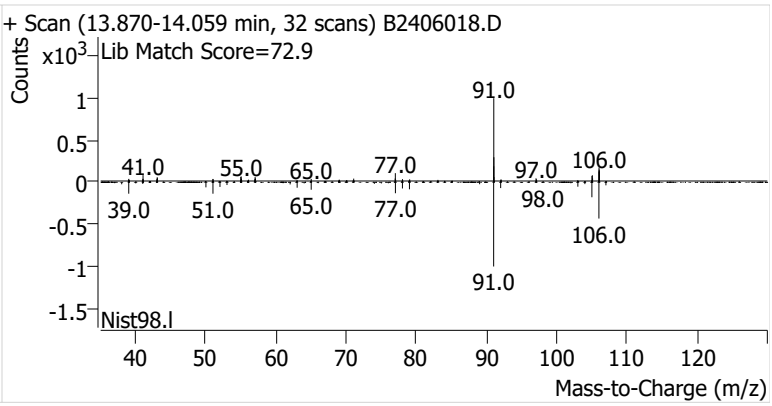
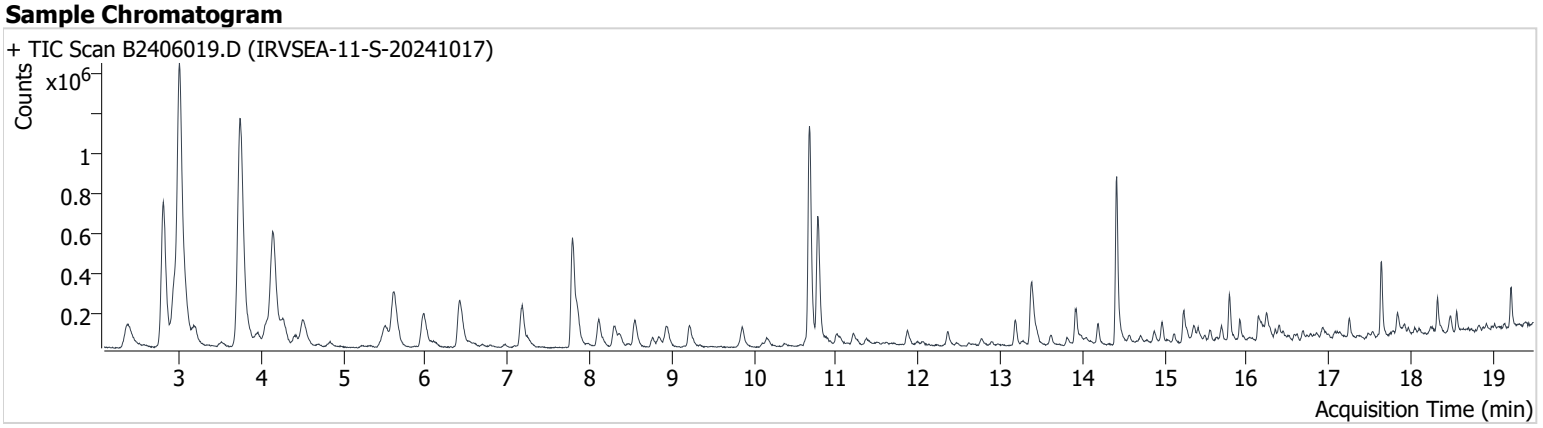
Counts
x10^4
13.916 min.
Acquisition Time (min)


+ Scan (13.870-14.059 min, 32 scans) B2406018.D
Counts
x10^3
Lib Match Score=72.9
Nist98.l
Mass-to-Charge (m/z)

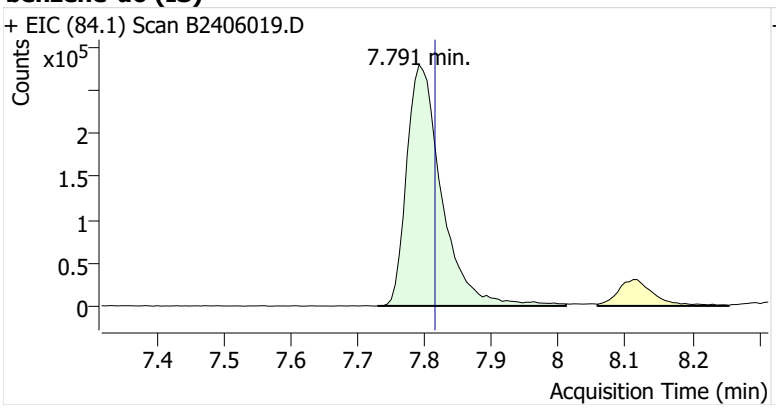
Name	IRVSEA-11-S-20241017
Comment	C43281
Data File	B2406019.D
Acq. Date-Time	11/7/2024 8:05:55 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

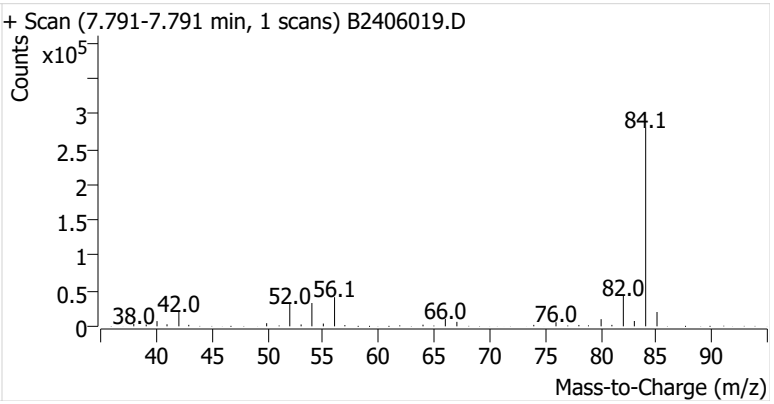
Sample Chromatogram



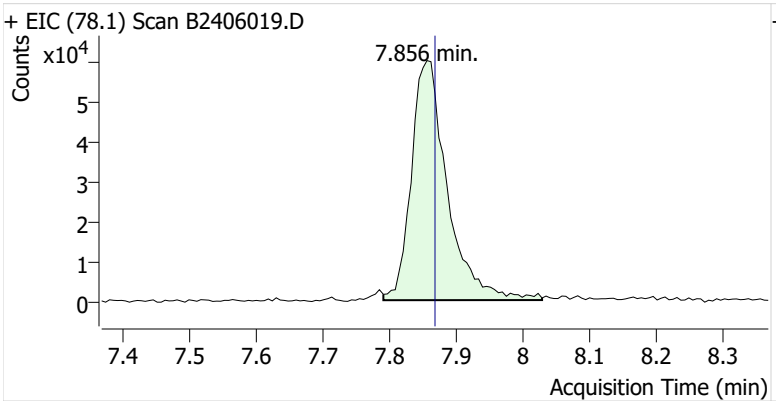
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	1,017,725	
Benzene	benzene-d6 (IS)	7.856	7.868	224,959	
Toluene-d8 (IS)		10.676	10.693	1,233,529	
Toluene	Toluene-d8 (IS)	10.776	10.794	755,961	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	146,974	
m-/p-Xylene	Toluene-d8 (IS)	13.382	13.412	391,765	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	163,900	

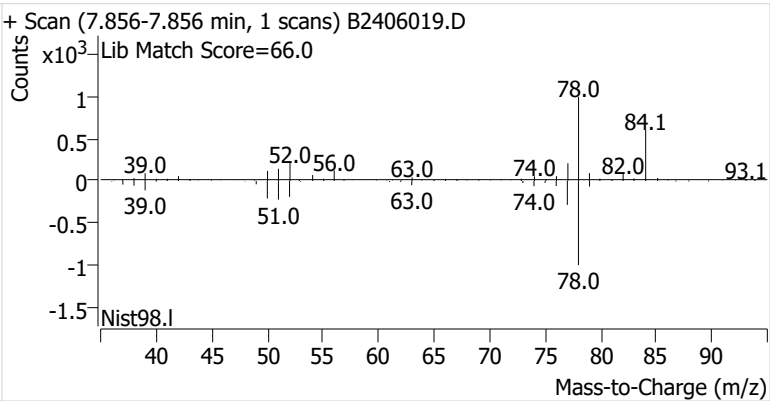
benzene-d6 (IS)



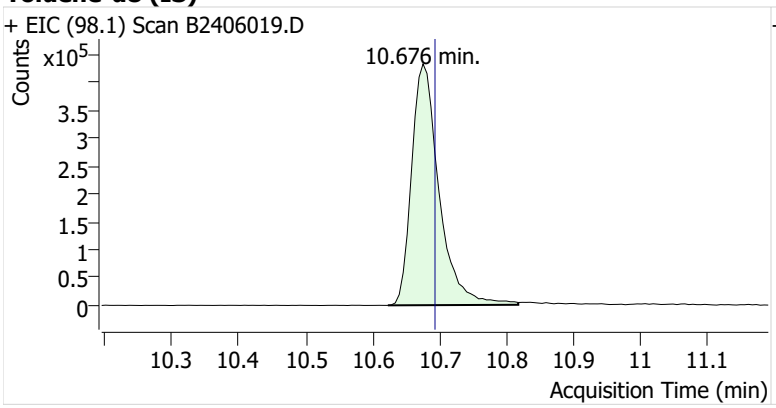


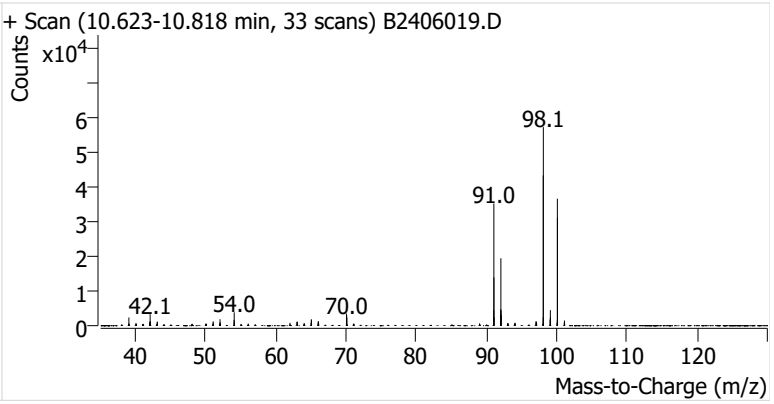
Benzene



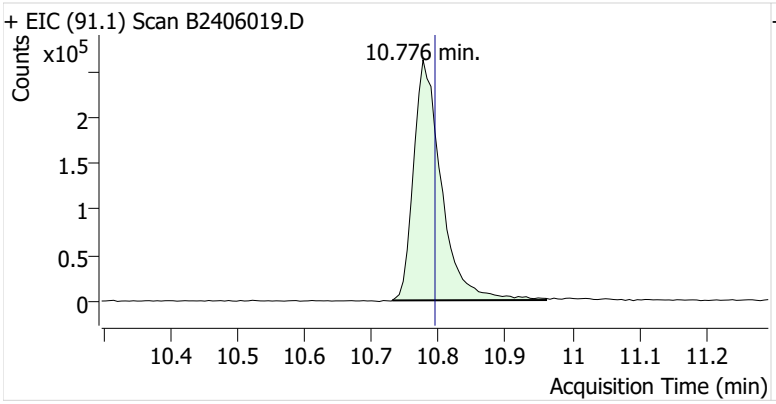


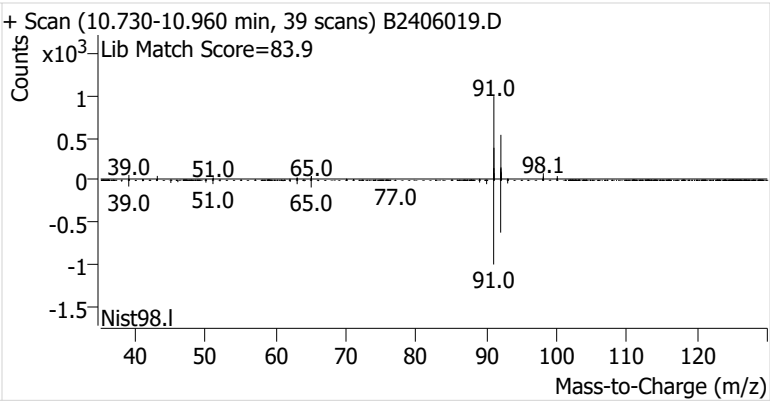
Toluene-d8 (IS)



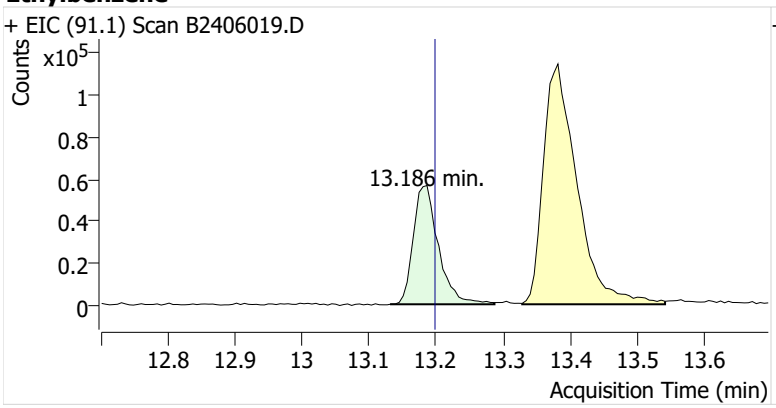


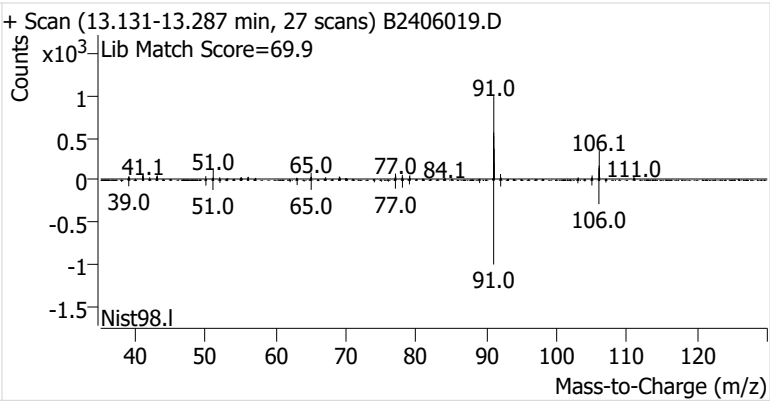
Toluene



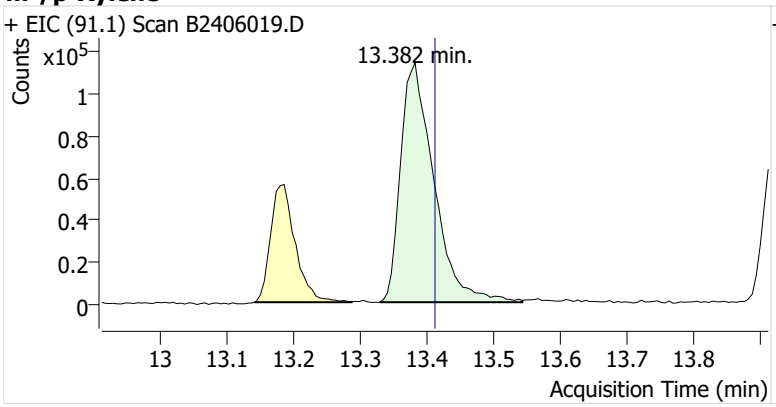


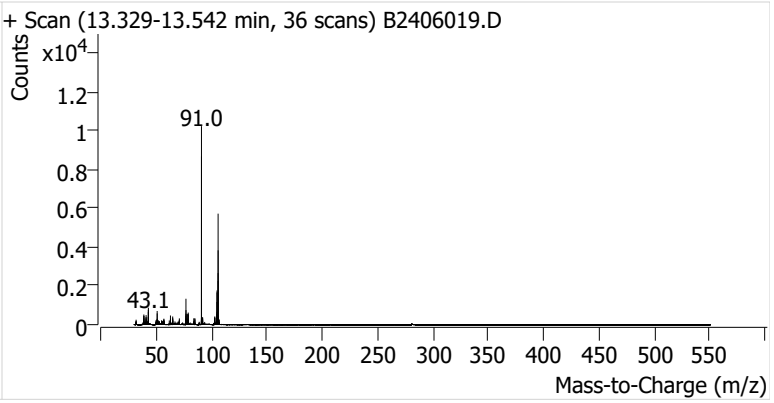
Ethylbenzene



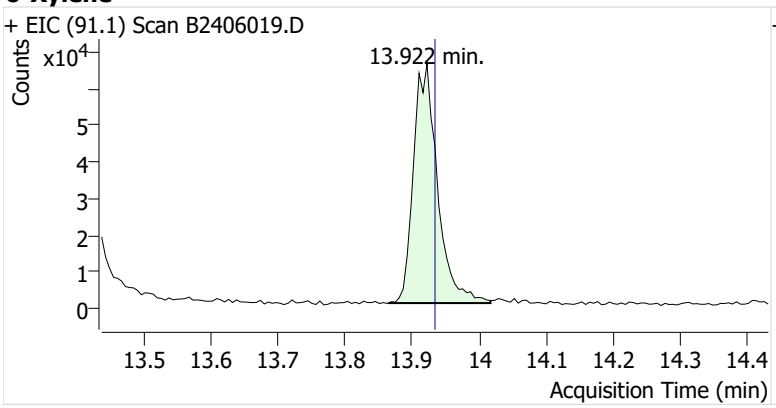


m-/p-Xylene





o-Xylene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13.922 min.
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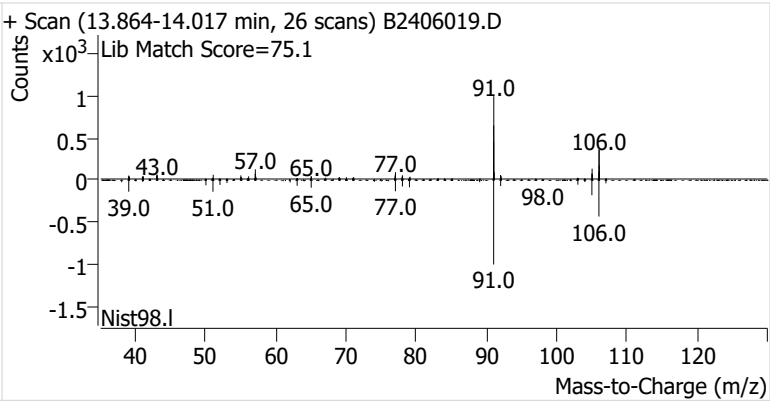
4
3
2
1
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)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Lib Match Score=75.1
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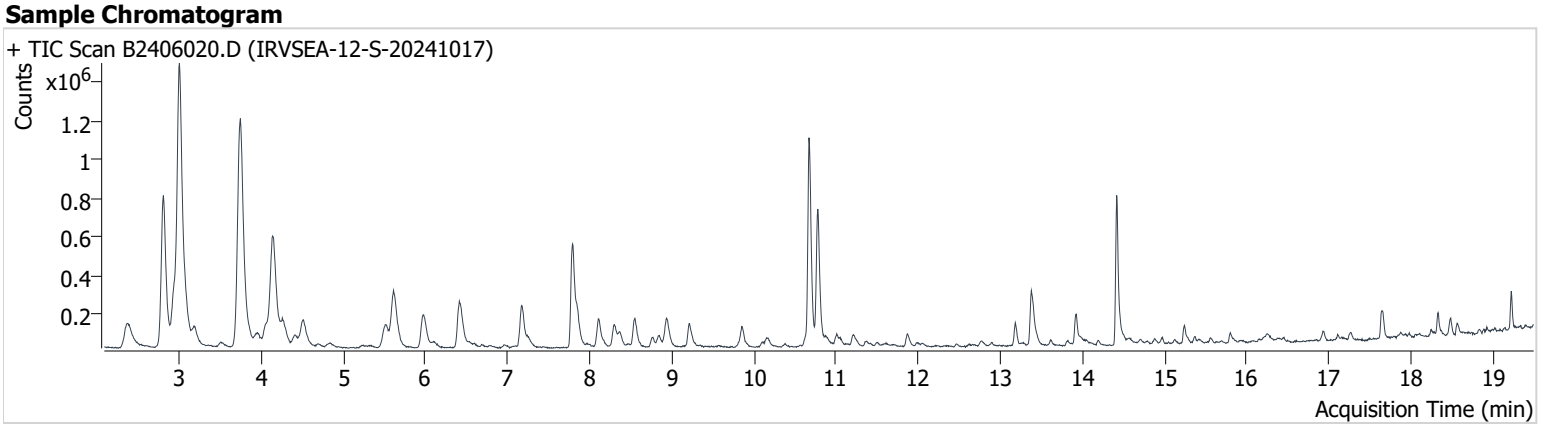
0
-0.5
-1
-1.5
91.0
106.0
43.0
57.0
65.0
77.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

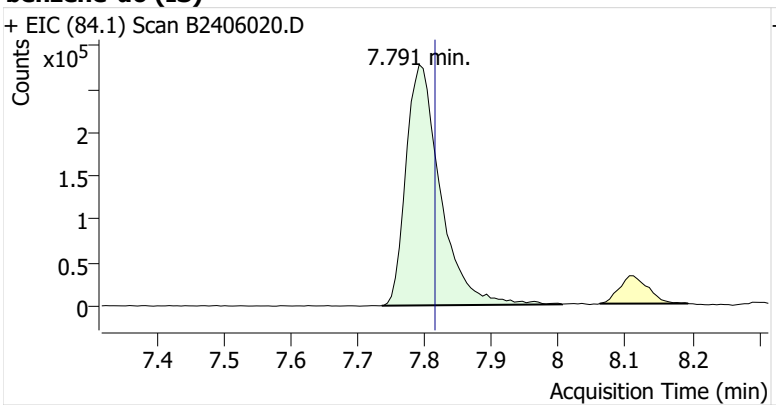
Name	IRVSEA-12-S-20241017
Comment	C40107
Data File	B2406020.D
Acq. Date-Time	11/7/2024 8:43:14 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

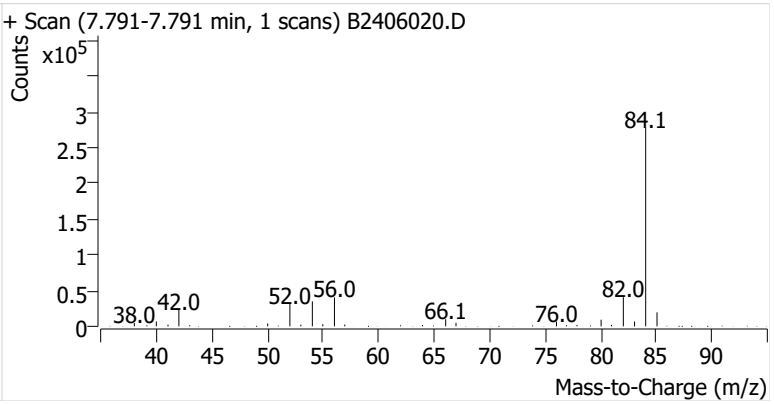
Sample Chromatogram



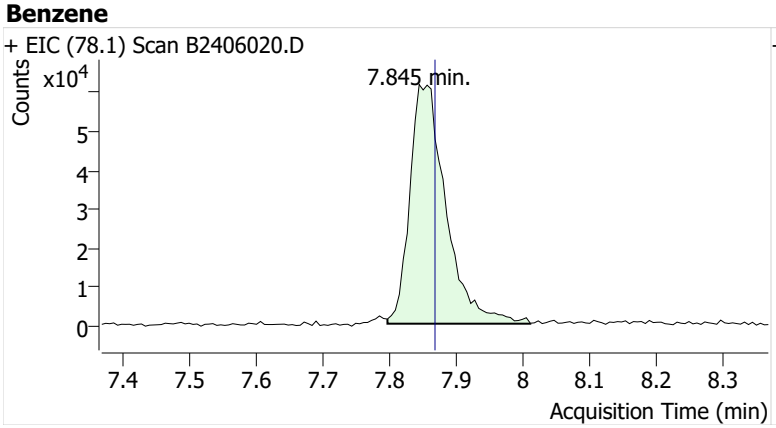
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	992,327	
Benzene	benzene-d6 (IS)	7.845	7.868	231,634	
Toluene-d8 (IS)		10.670	10.693	1,189,383	
Toluene	Toluene-d8 (IS)	10.777	10.794	804,929	
Ethylbenzene	Toluene-d8 (IS)	13.180	13.198	124,863	
m-/p-Xylene	Toluene-d8 (IS)	13.376	13.412	340,136	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	140,273	

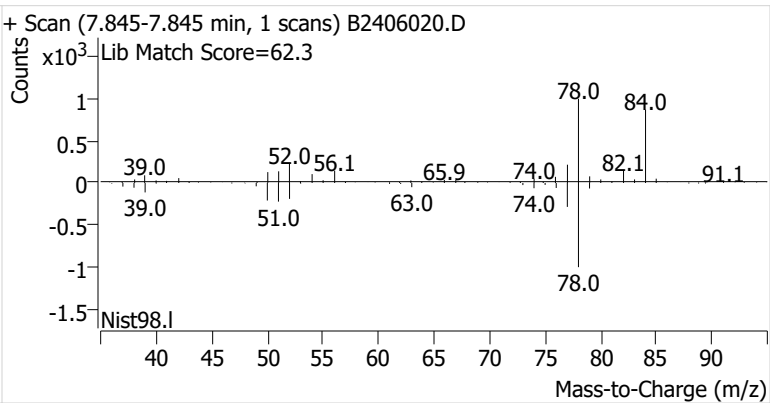
benzene-d6 (IS)



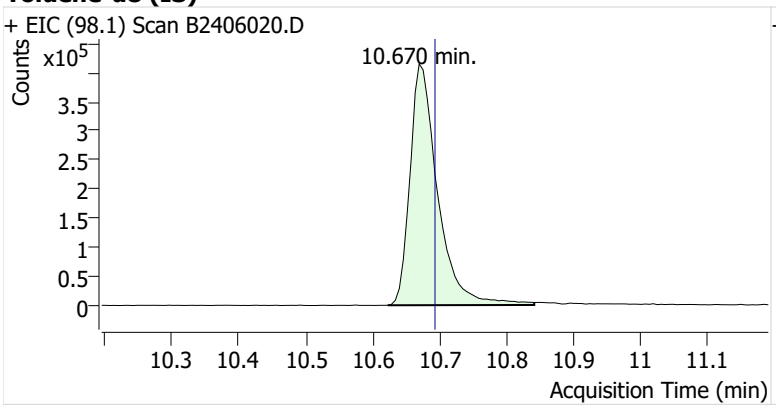


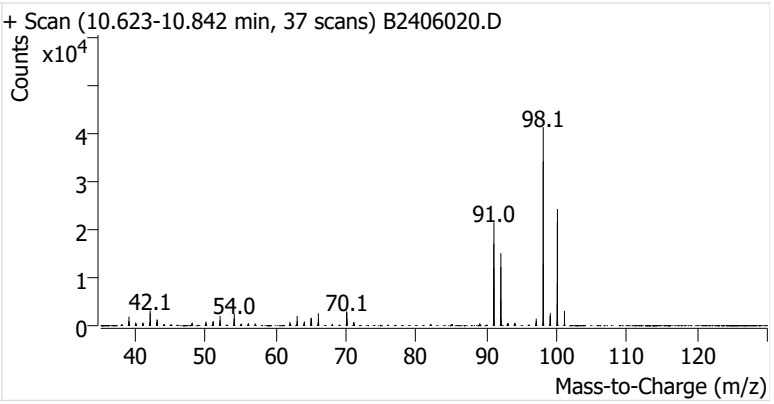
Benzene



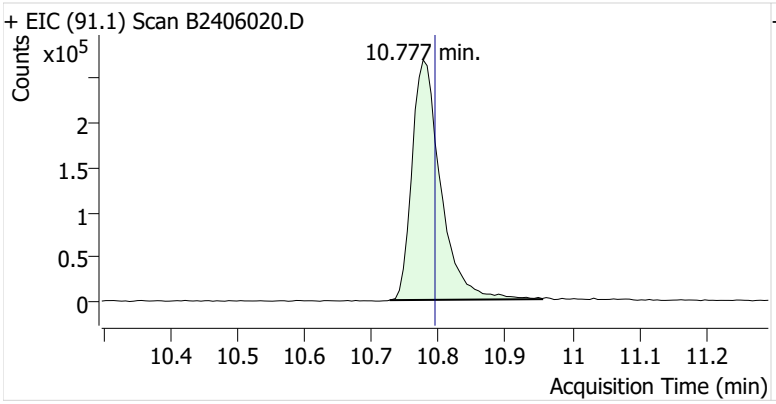


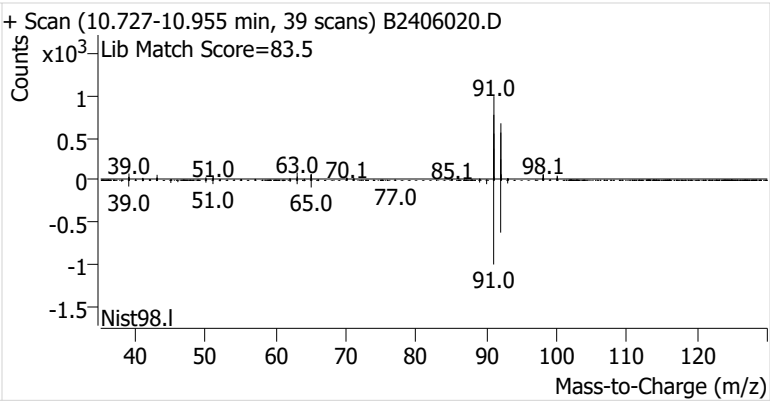
Toluene-d8 (IS)



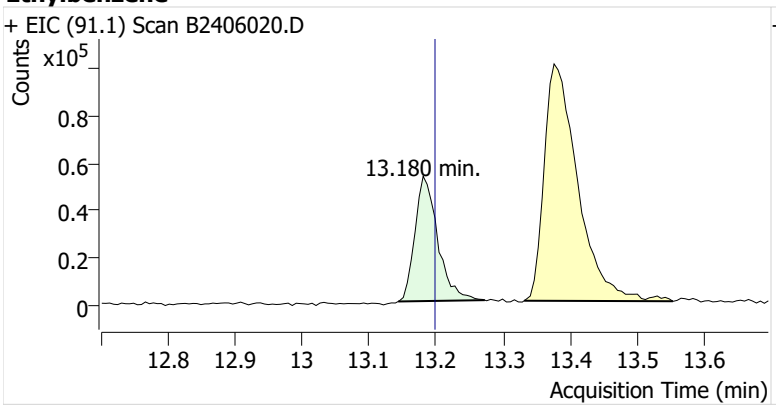


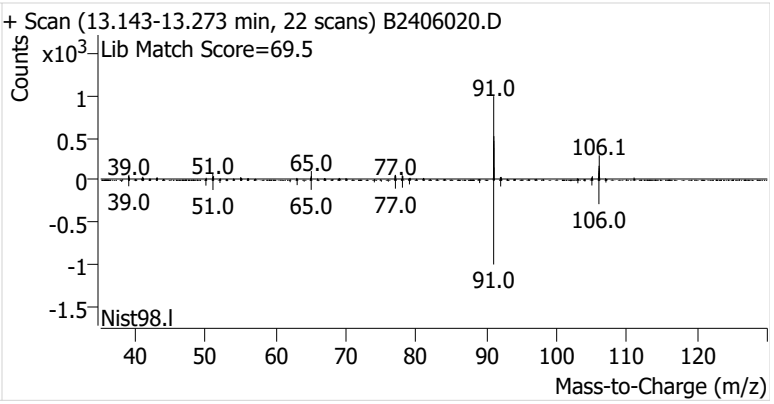
Toluene



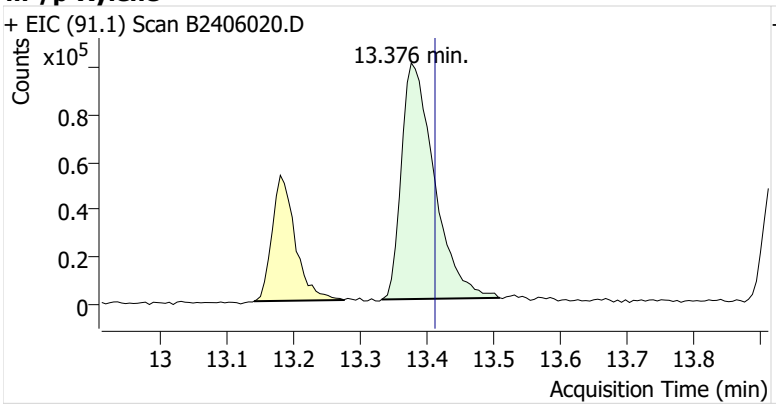


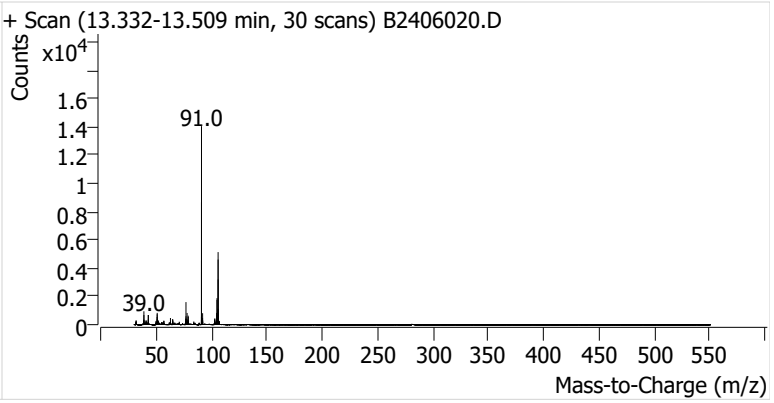
Ethylbenzene



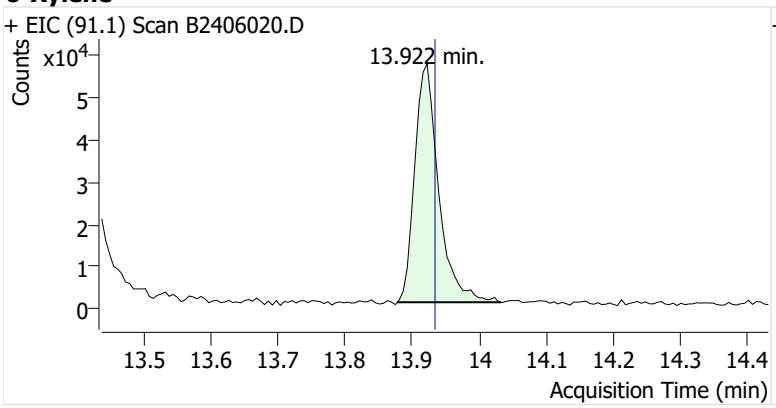


m-/p-Xylene





o-Xylene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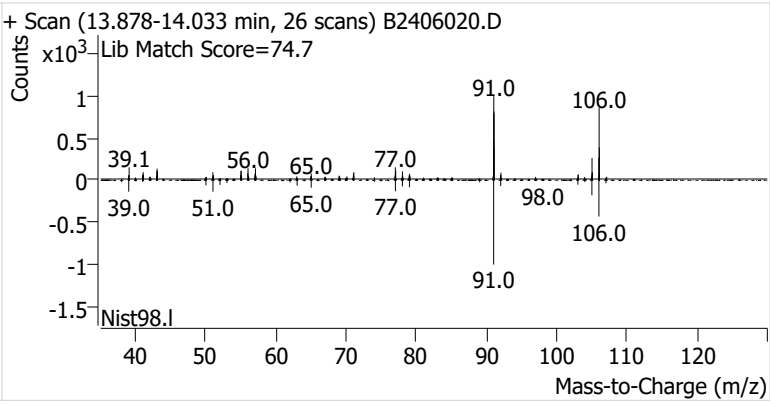
Acquisition Time (min)


+ Scan (13.878-14.033 min, 26 scans) B2406020.D
Counts
x10^3
Lib Match Score=74.7
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106.0
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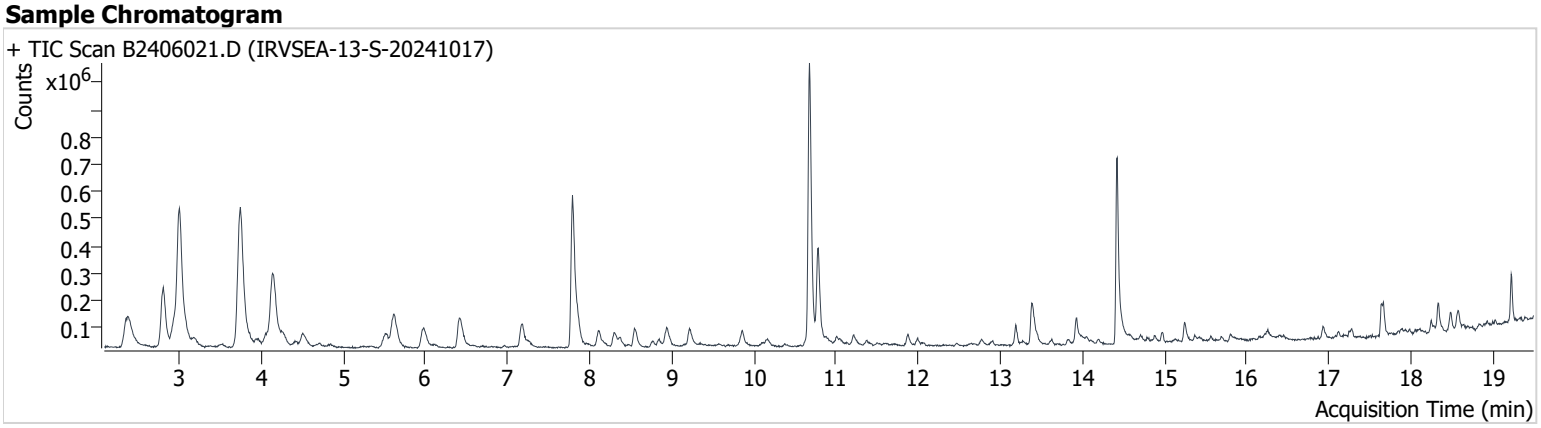
56.0
65.0
77.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

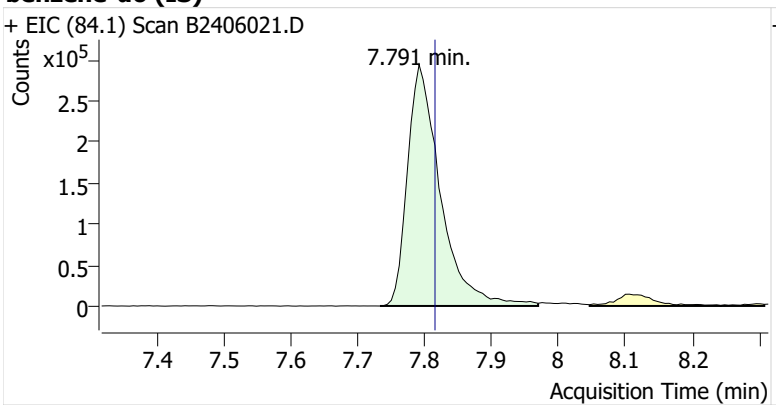
Name	IRVSEA-13-S-20241017
Comment	C32998
Data File	B2406021.D
Acq. Date-Time	11/7/2024 9:20:35 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

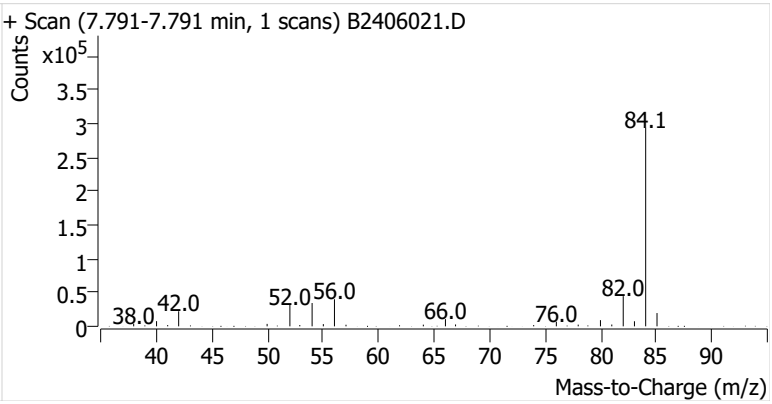
Sample Chromatogram



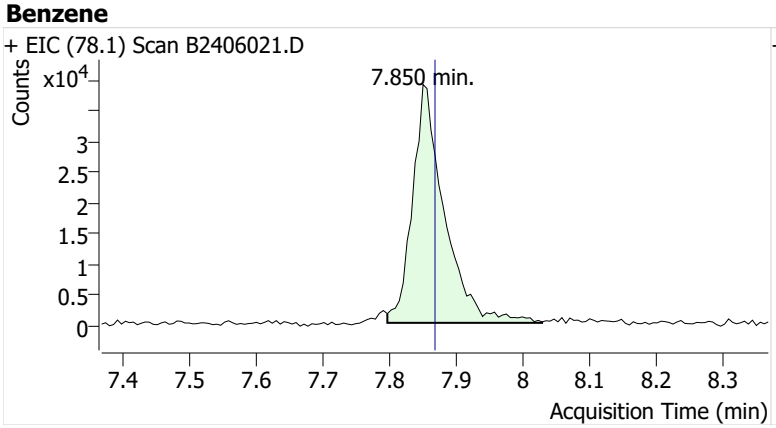
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	1,002,875	
Benzene	benzene-d6 (IS)	7.850	7.868	129,109	
Toluene-d8 (IS)		10.676	10.693	1,140,959	
Toluene	Toluene-d8 (IS)	10.782	10.794	382,963	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	74,248	
m-/p-Xylene	Toluene-d8 (IS)	13.382	13.412	183,908	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	82,291	

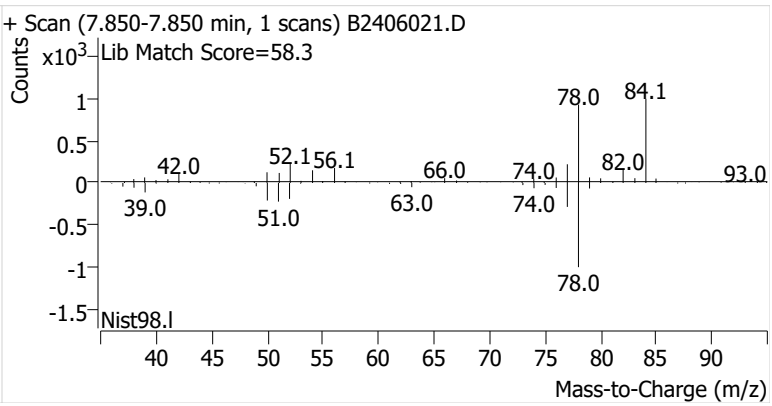
benzene-d6 (IS)



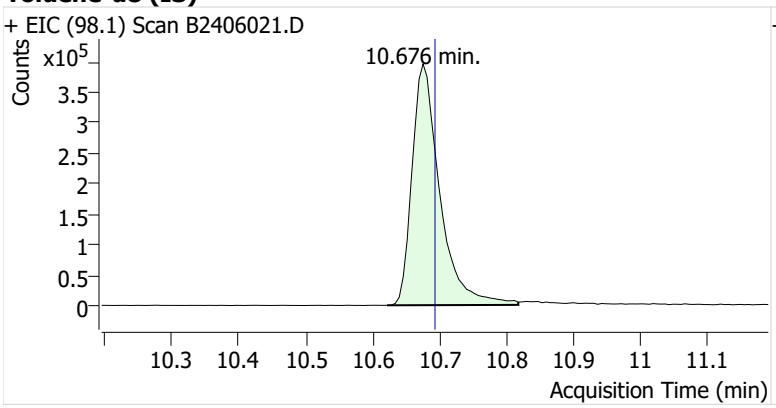


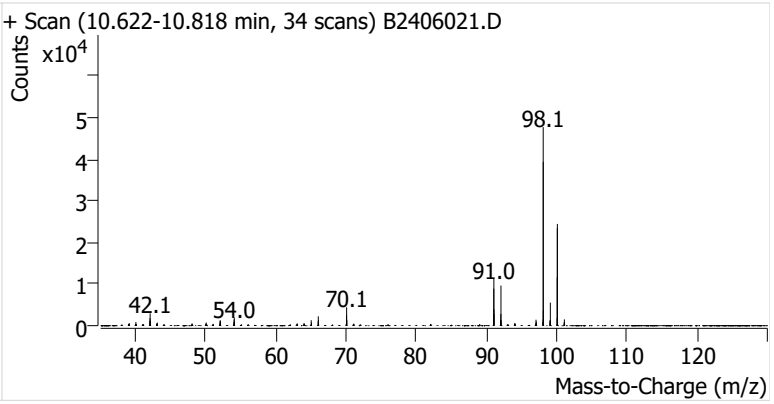
Benzene



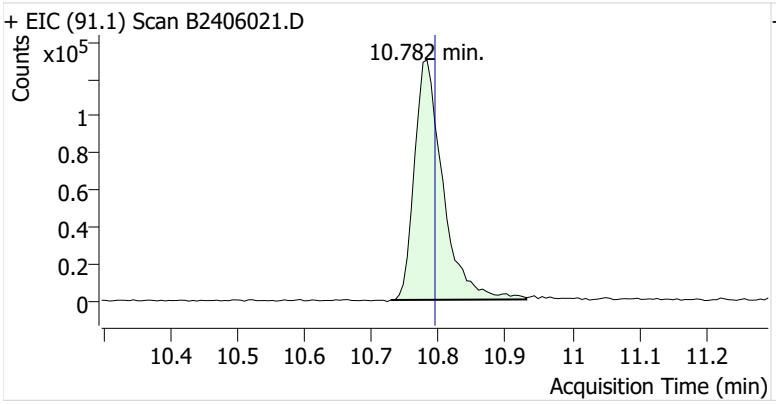


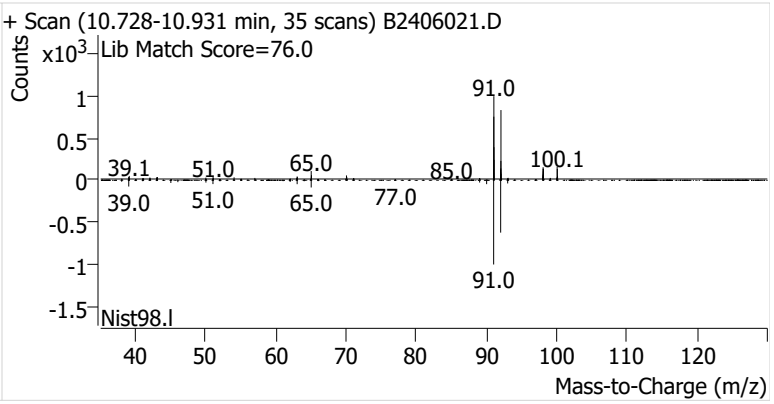
Toluene-d8 (IS)



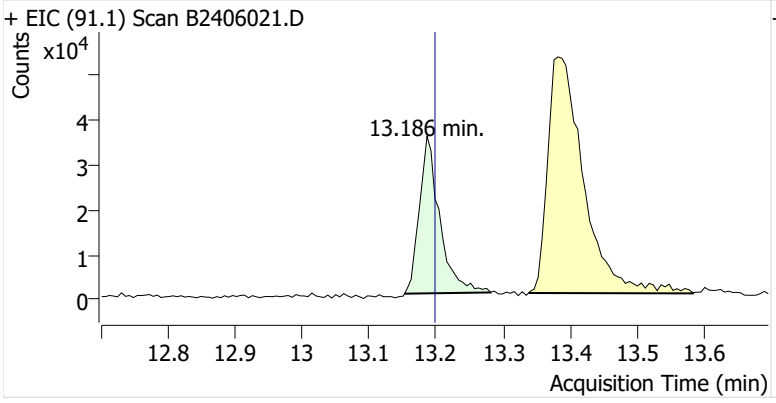


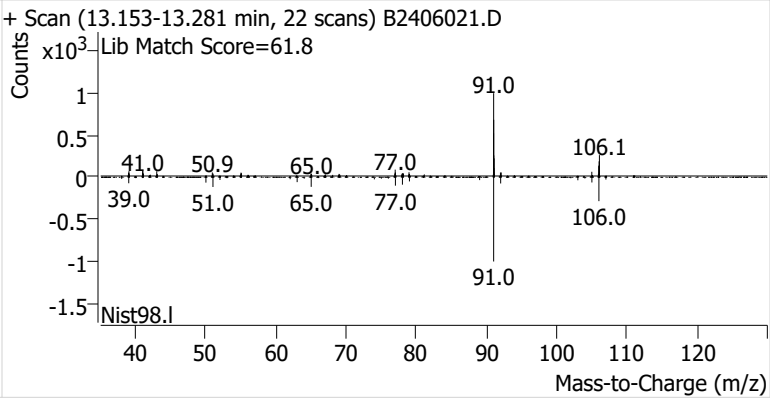
Toluene



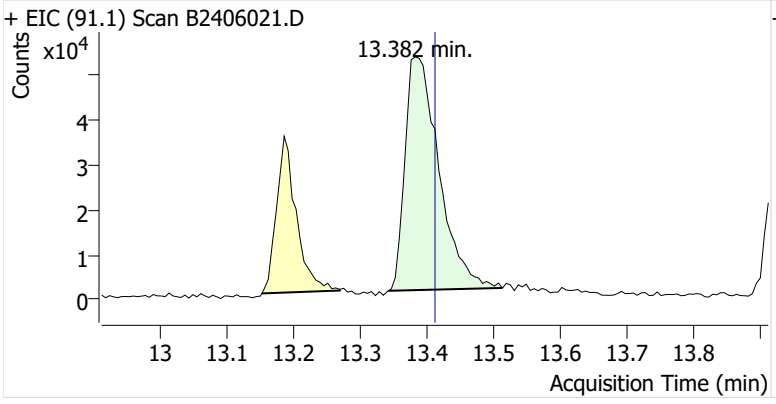


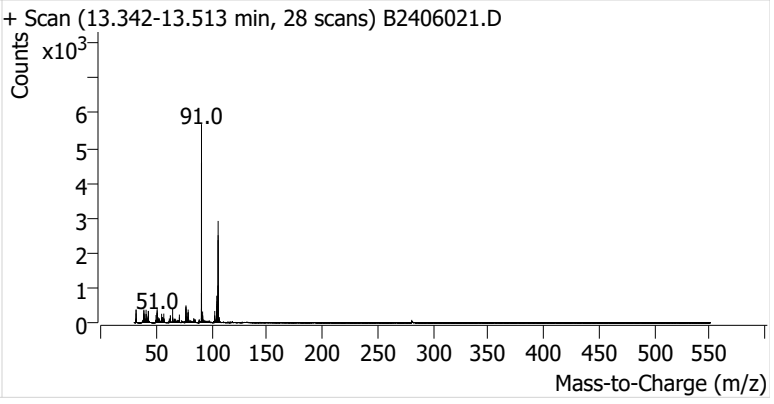
Ethylbenzene



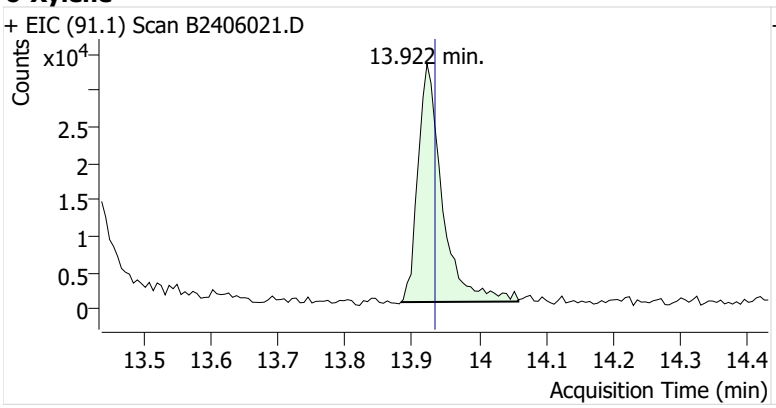


m-/p-Xylene





o-Xylene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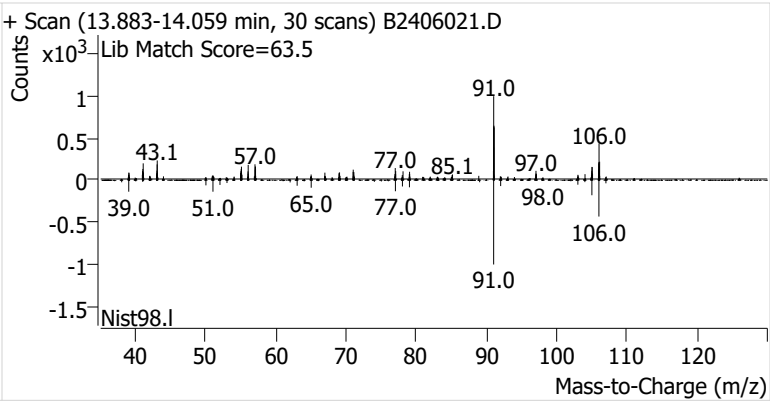
Counts
x10^4
13.922 min.
2.5
2
1.5
1
0.5
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.883-14.059 min, 30 scans) B2406021.D
Counts
x10^3
Lib Match Score=63.5
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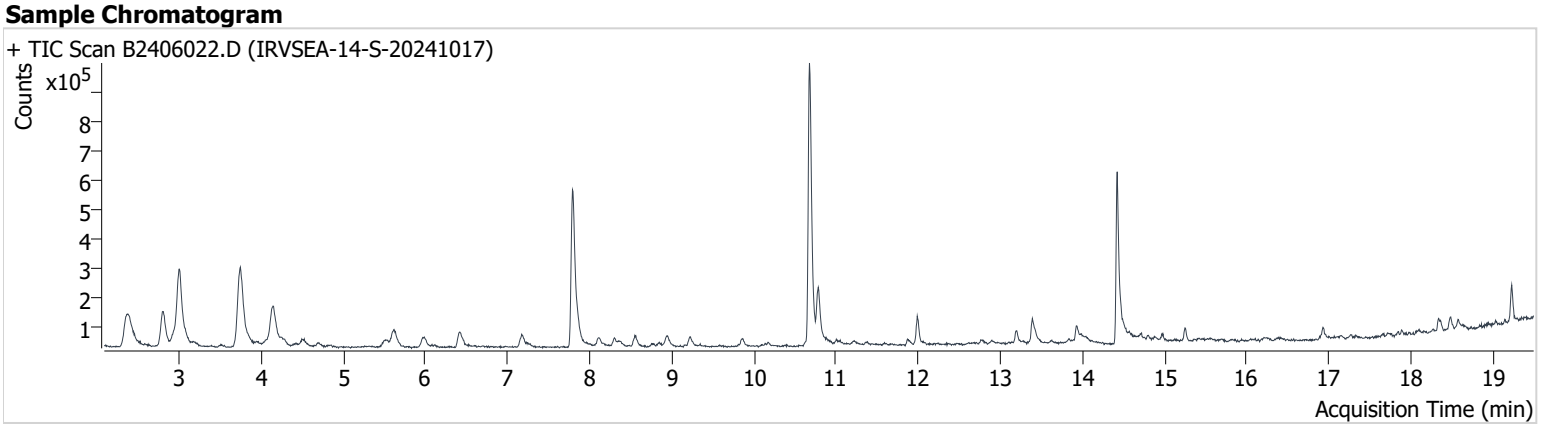
106.0
43.1
57.0
77.0
85.1
97.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

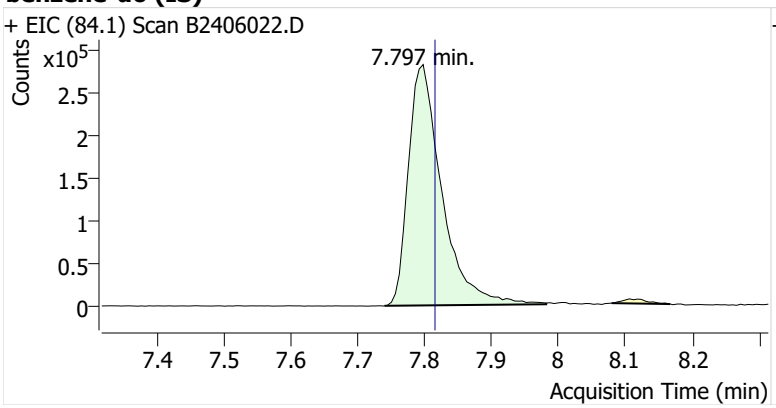
Name	IRVSEA-14-S-20241017
Comment	B27865
Data File	B2406022.D
Acq. Date-Time	11/7/2024 9:57:54 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

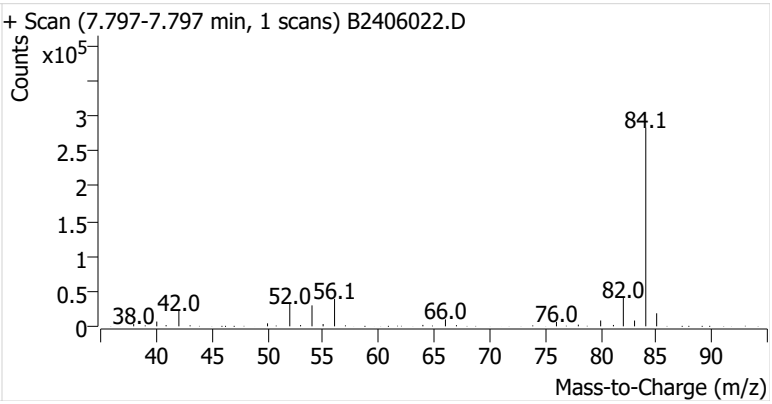
Sample Chromatogram



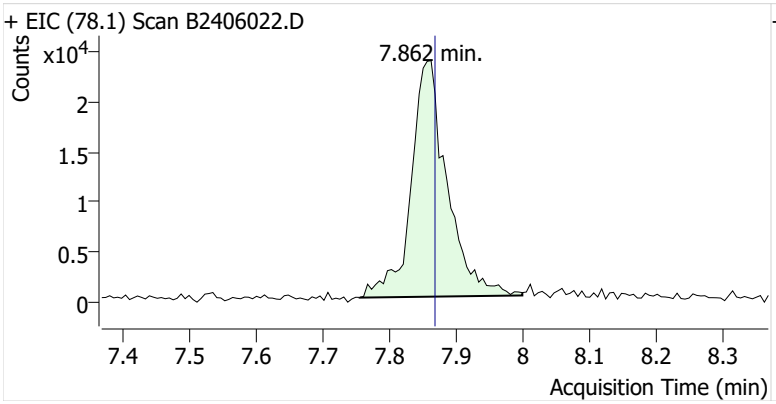
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.797	7.815	982,560	
Benzene	benzene-d6 (IS)	7.862	7.868	88,370	
Toluene-d8 (IS)		10.676	10.693	1,119,765	
Toluene	Toluene-d8 (IS)	10.783	10.794	208,374	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	52,721	
m-/p-Xylene	Toluene-d8 (IS)	13.388	13.412	97,375	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	51,000	m

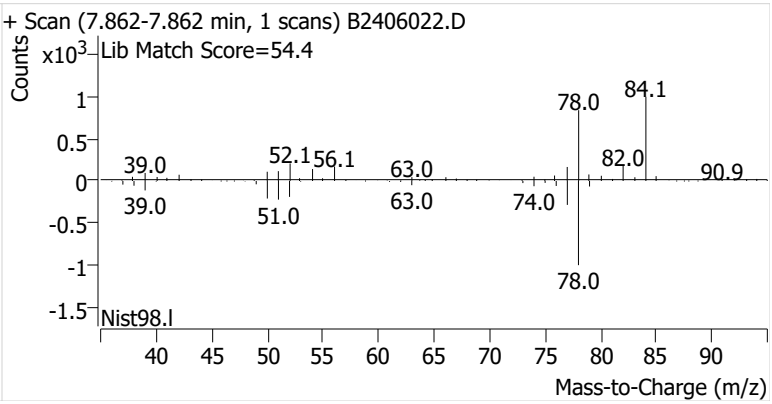
benzene-d6 (IS)



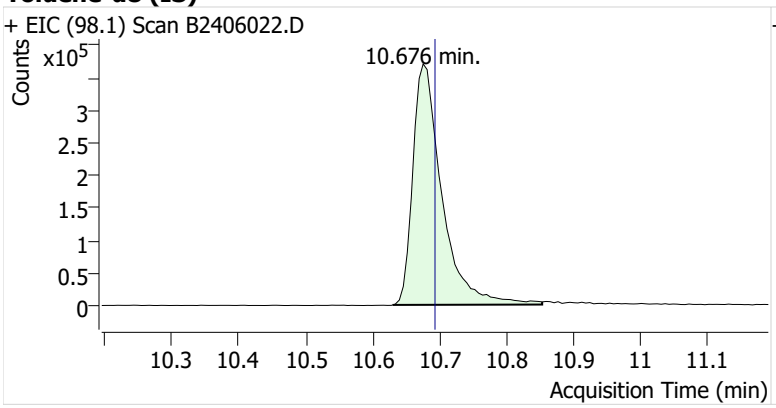


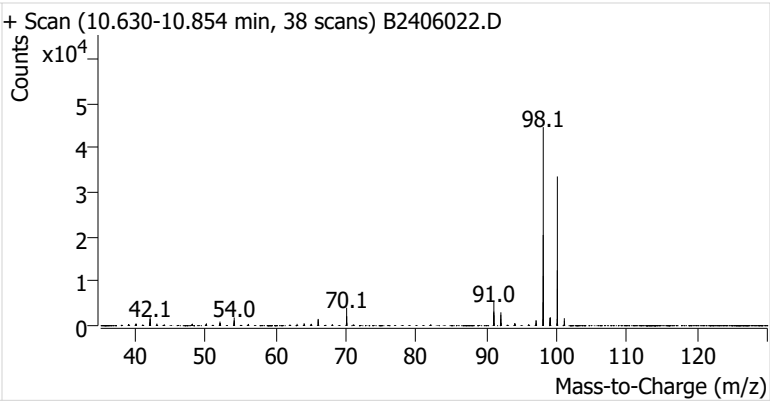
Benzene



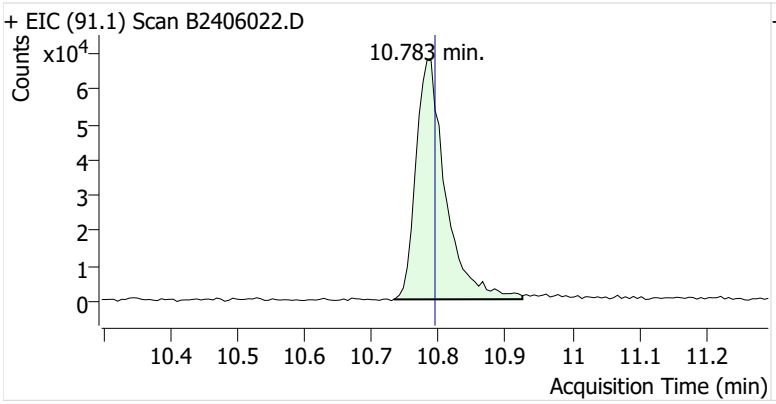


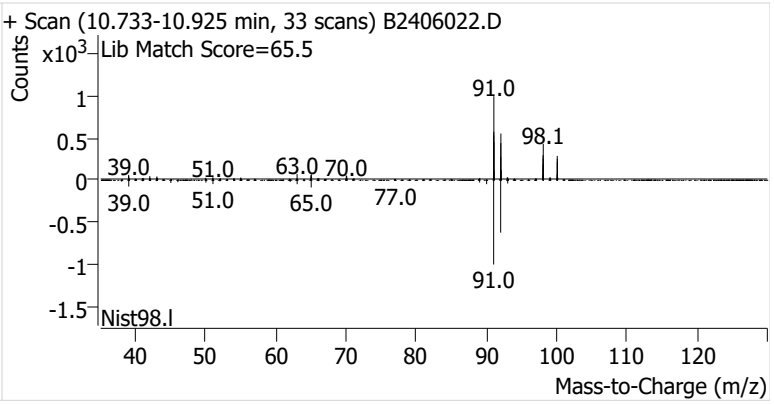
Toluene-d8 (IS)



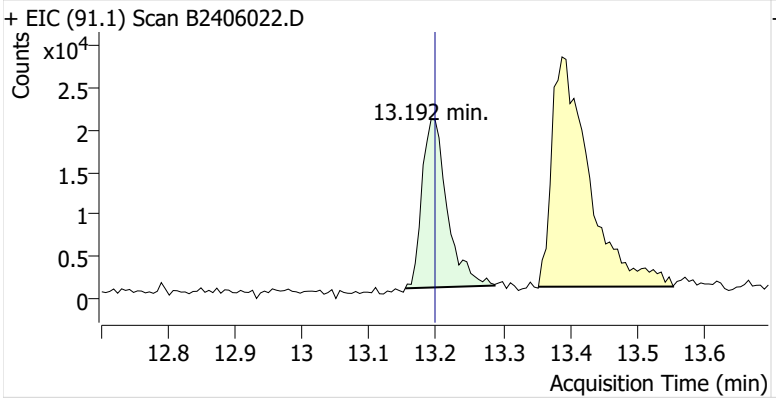


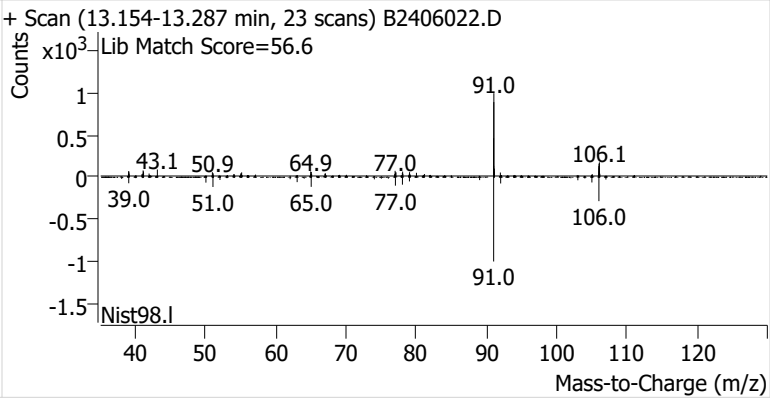
Toluene



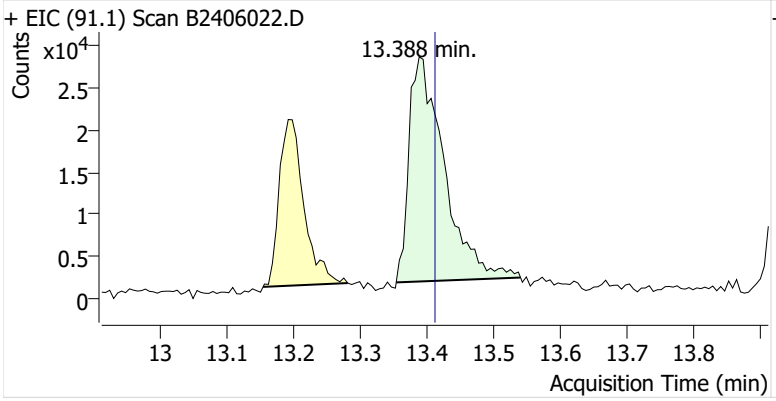


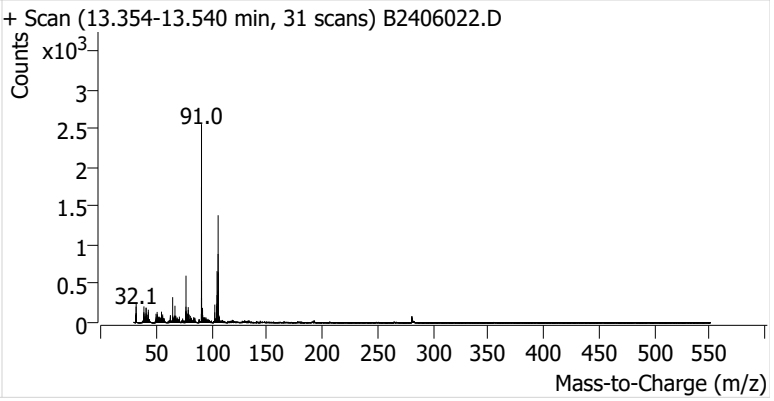
Ethylbenzene



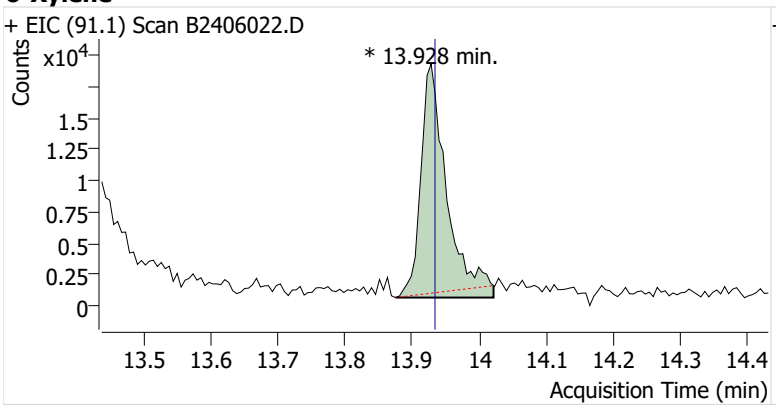


m-/p-Xylene





o-Xylene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* 13.928 min.
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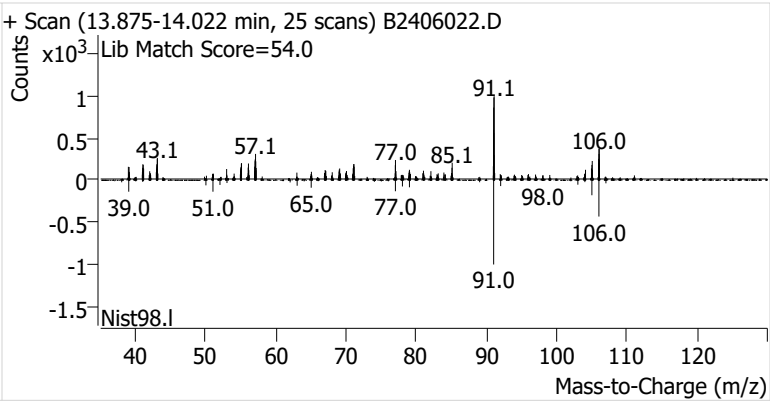
1.25
1
0.75
0.5
0.25
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
14.4
Acquisition Time (min)


+ Scan (13.875-14.022 min, 25 scans) B2406022.D
Counts
x10^3
Lib Match Score=54.0
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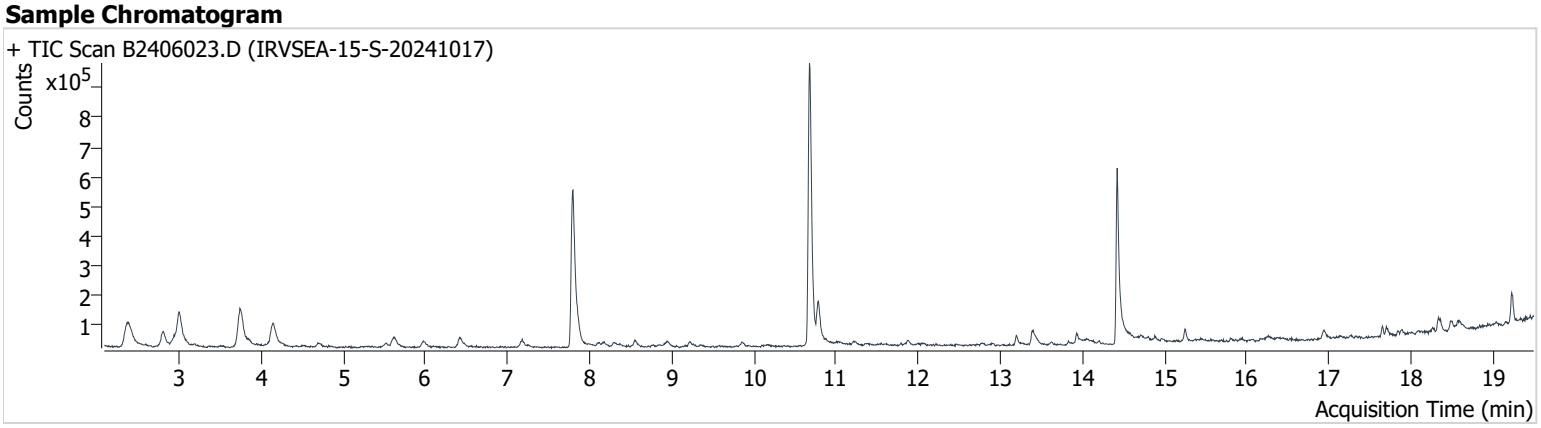
43.1
57.1
77.0
85.1
106.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

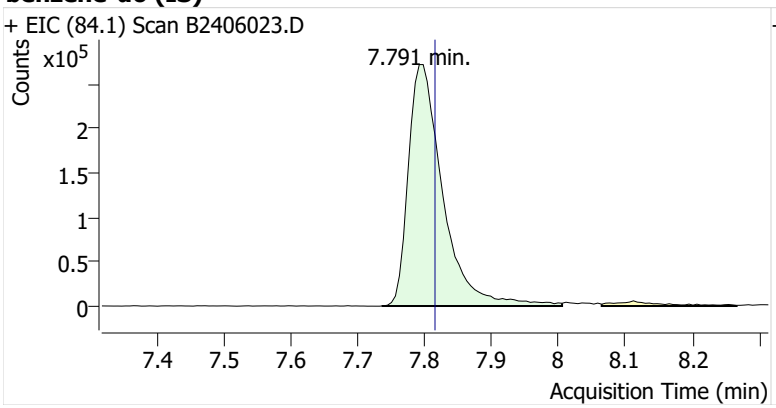
Name	IRVSEA-15-S-20241017
Comment	B11708
Data File	B2406023.D
Acq. Date-Time	11/7/2024 10:35:13 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

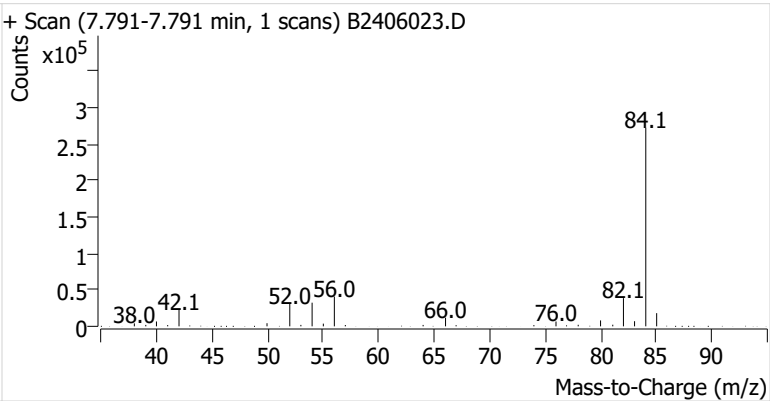
Sample Chromatogram



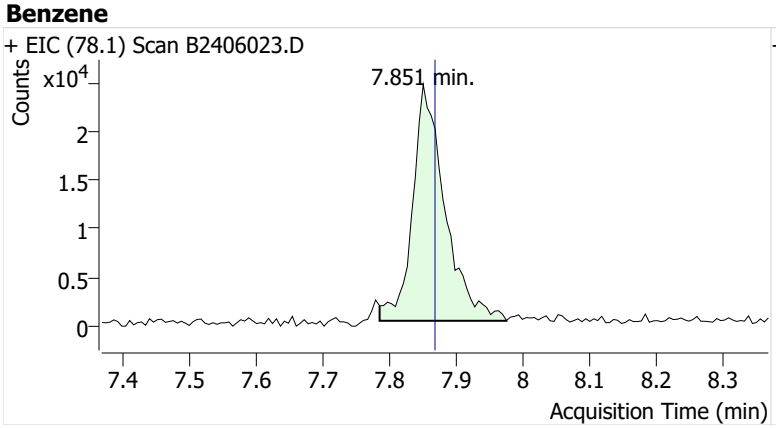
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	973,757	
Benzene	benzene-d6 (IS)	7.851	7.868	81,812	
Toluene-d8 (IS)		10.676	10.693	1,110,228	
Toluene	Toluene-d8 (IS)	10.783	10.794	146,789	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	38,637	
m-/p-Xylene	Toluene-d8 (IS)	13.388	13.412	72,879	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	28,517	

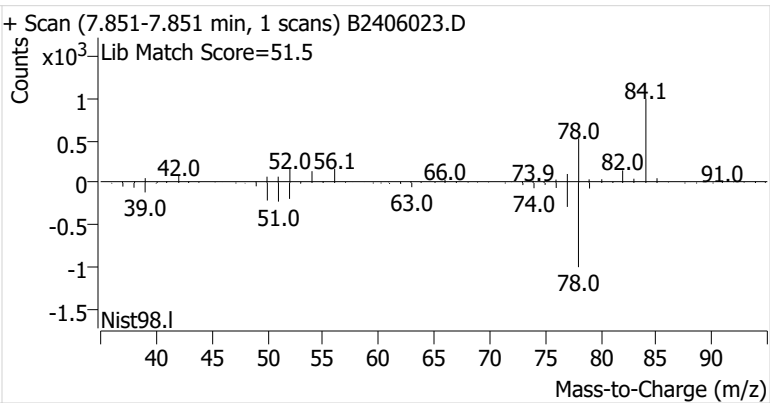
benzene-d6 (IS)



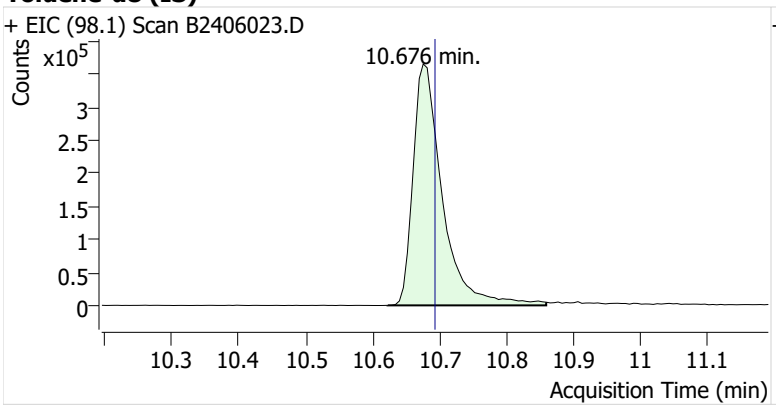


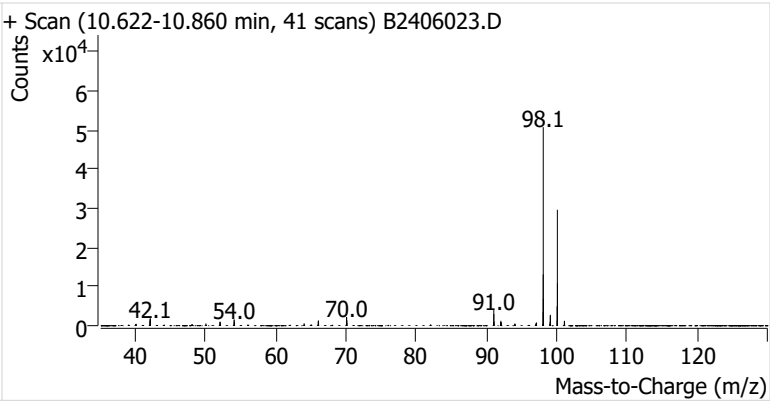
Benzene



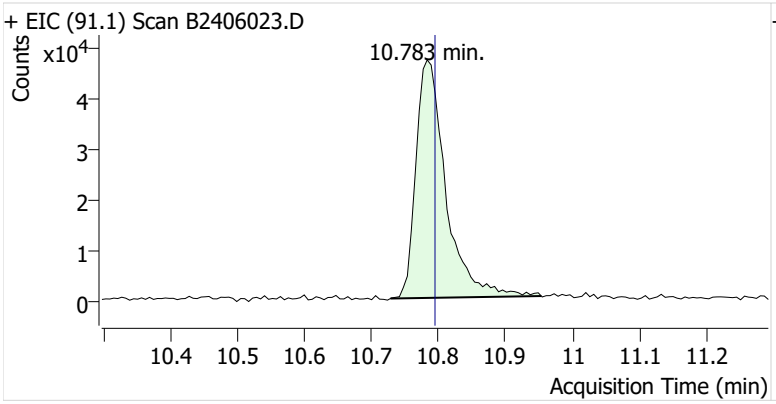


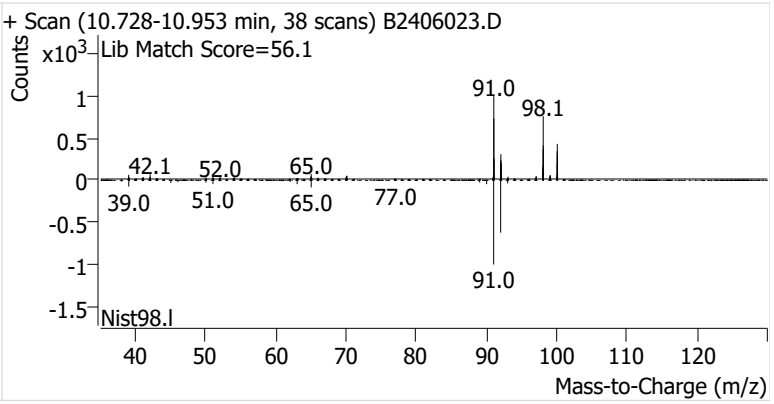
Toluene-d8 (IS)



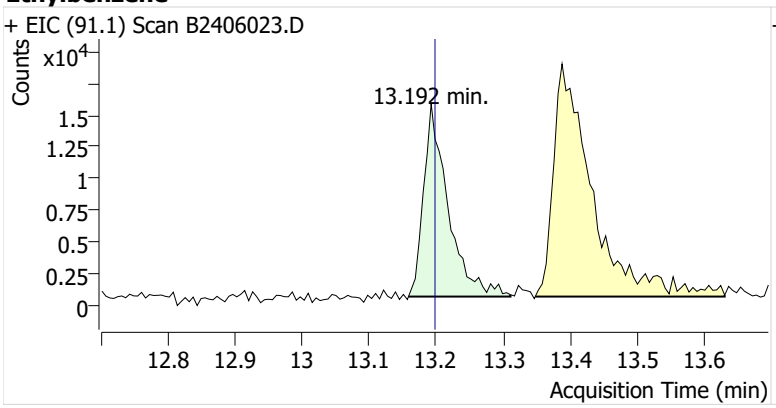


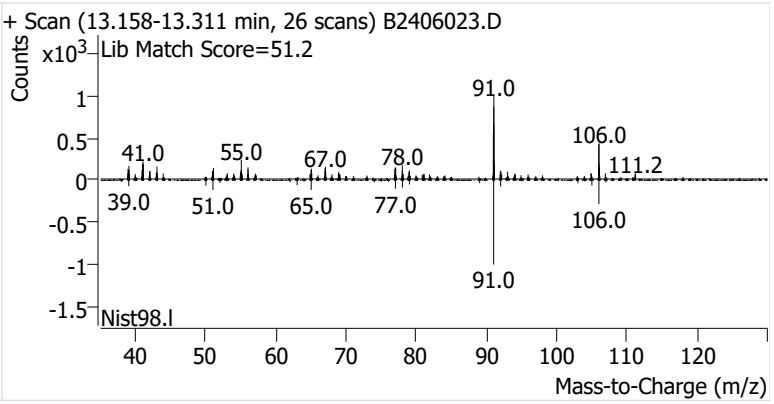
Toluene



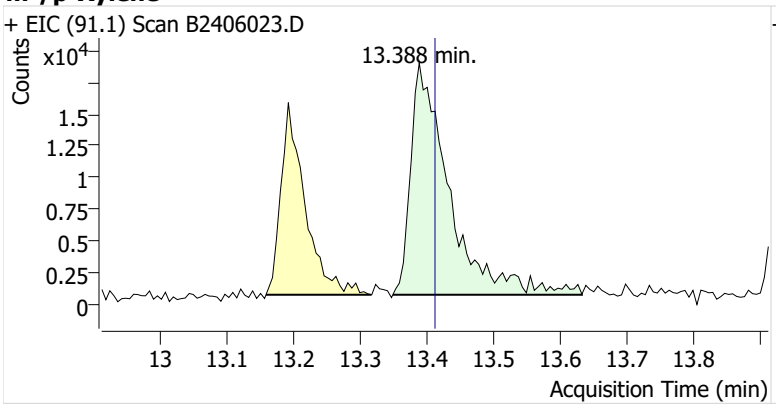


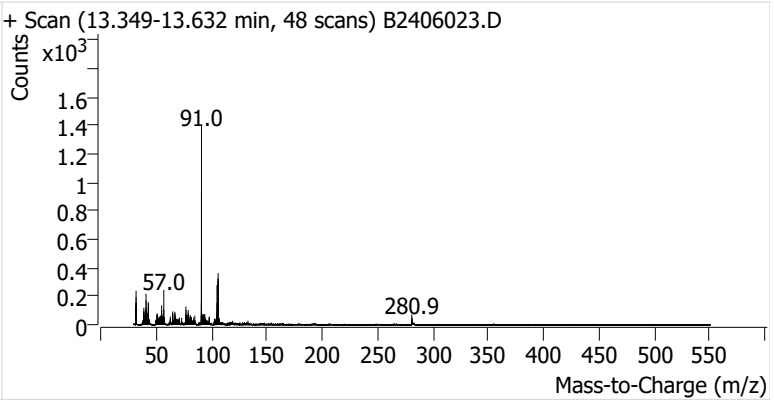
Ethylbenzene



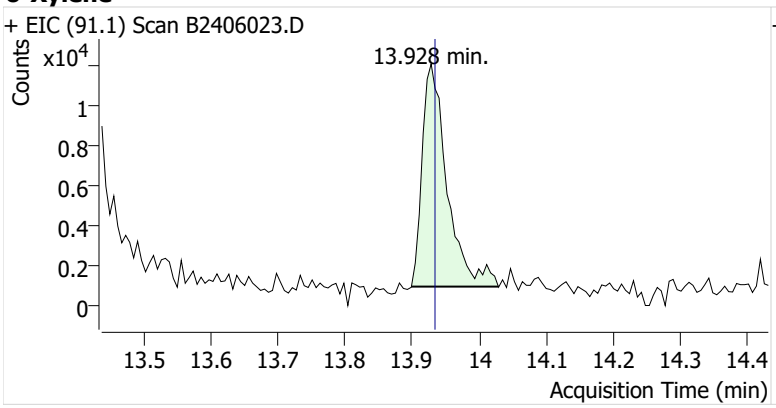


m-/p-Xylene





o-Xylene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x10^4
13.928 min.
1
0.8
0.6
0.4
0.2
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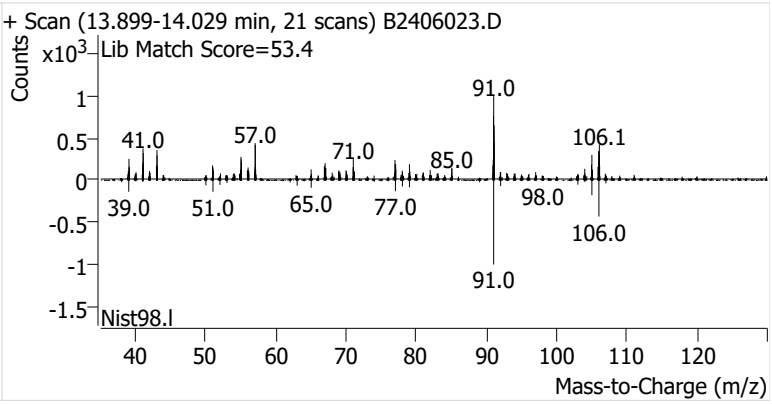
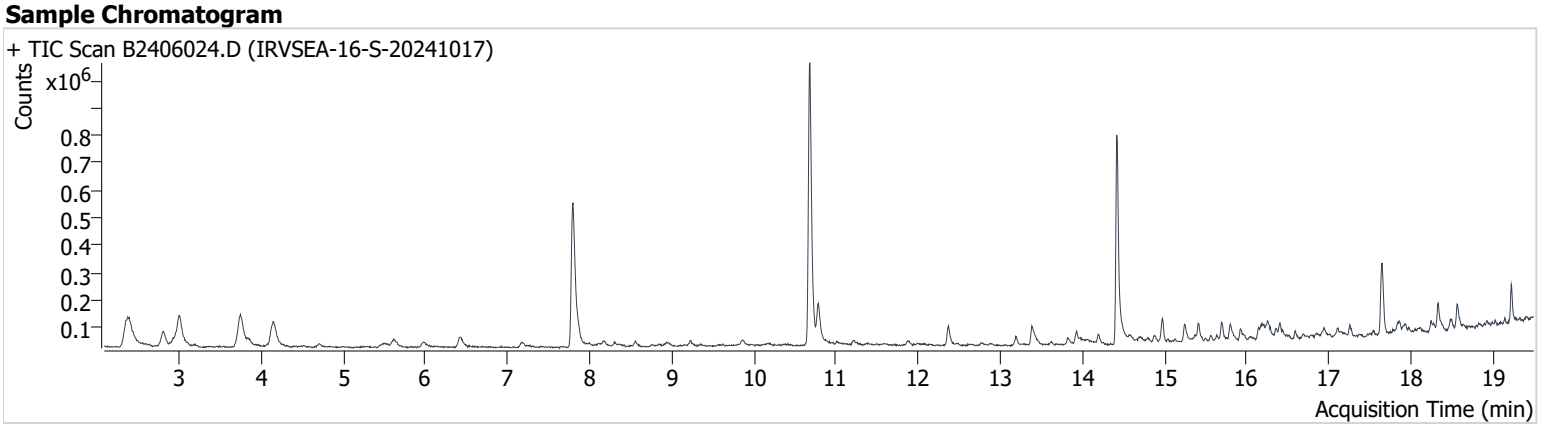
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.899-14.029 min, 21 scans) B2406023.D
Counts
x10^3
Lib Match Score=53.4
91.0
41.0
57.0
71.0
85.0
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

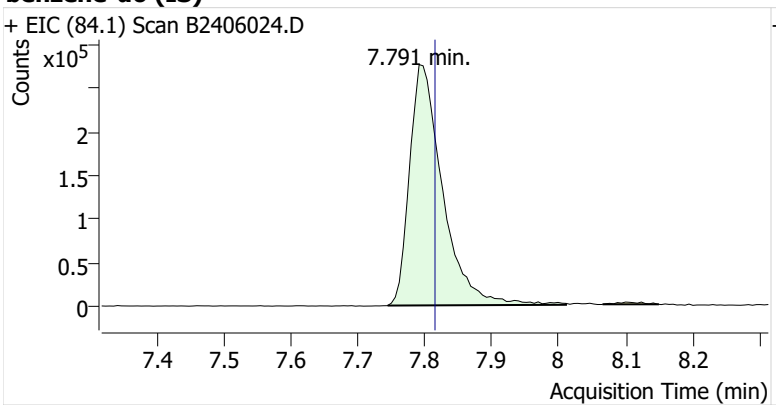
Name	IRVSEA-16-S-20241017
Comment	C43678
Data File	B2406024.D
Acq. Date-Time	11/7/2024 11:12:31 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

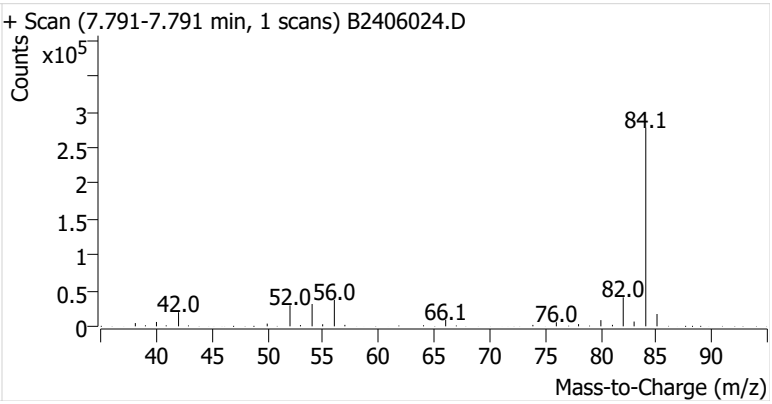
Sample Chromatogram



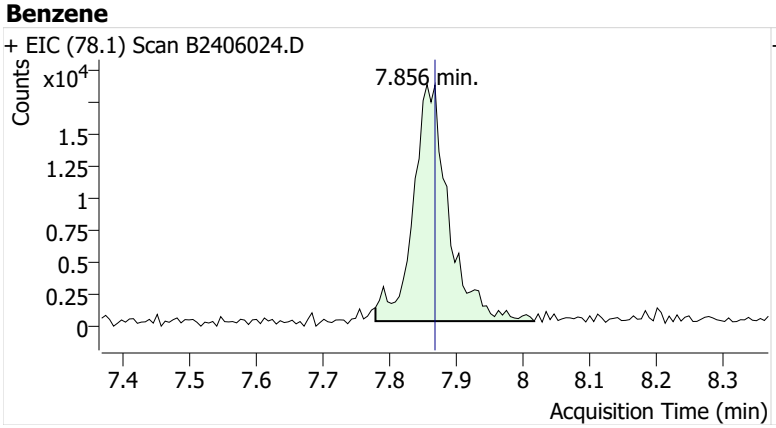
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	953,014	
Benzene	benzene-d6 (IS)	7.856	7.868	68,691	
Toluene-d8 (IS)		10.676	10.693	1,120,902	
Toluene	Toluene-d8 (IS)	10.782	10.794	150,422	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	32,433	
m-/p-Xylene	Toluene-d8 (IS)	13.382	13.412	82,718	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	33,838	

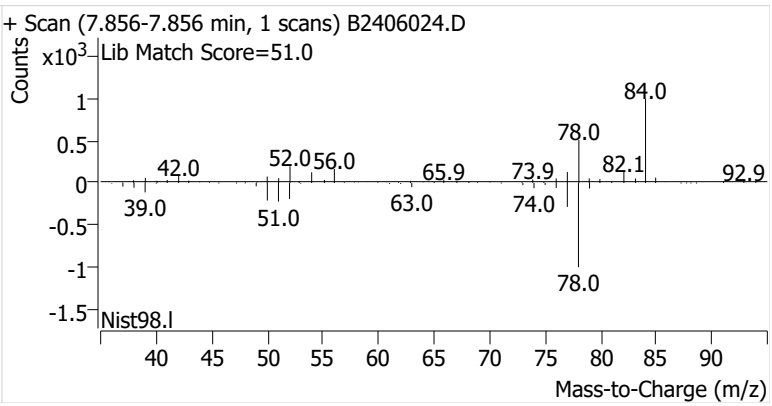
benzene-d6 (IS)



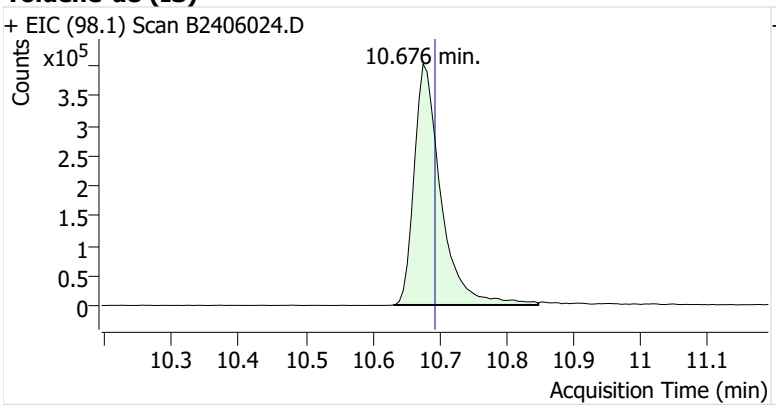


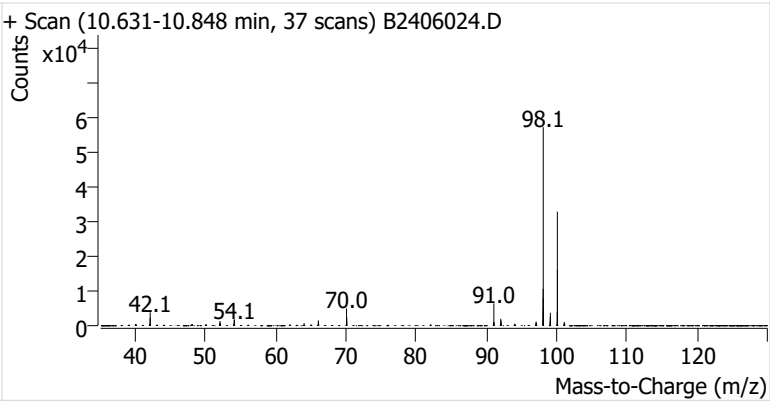
Benzene



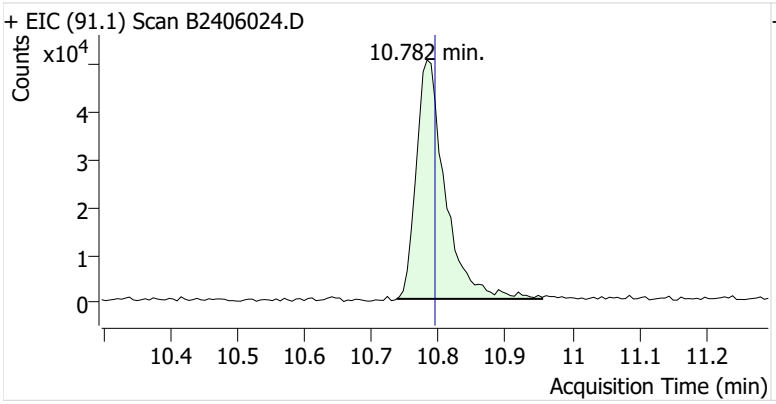


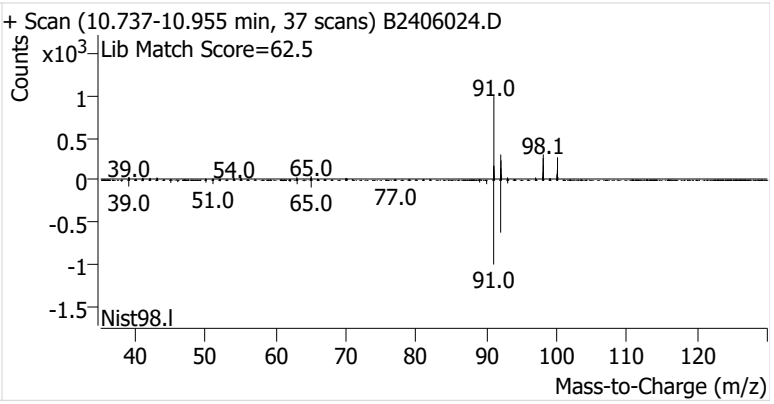
Toluene-d8 (IS)



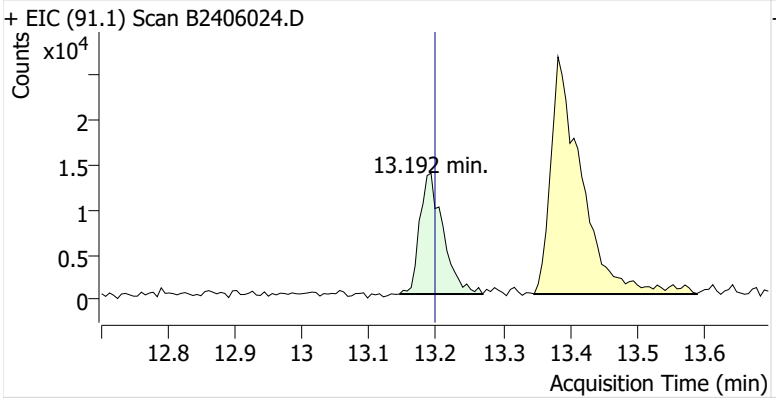


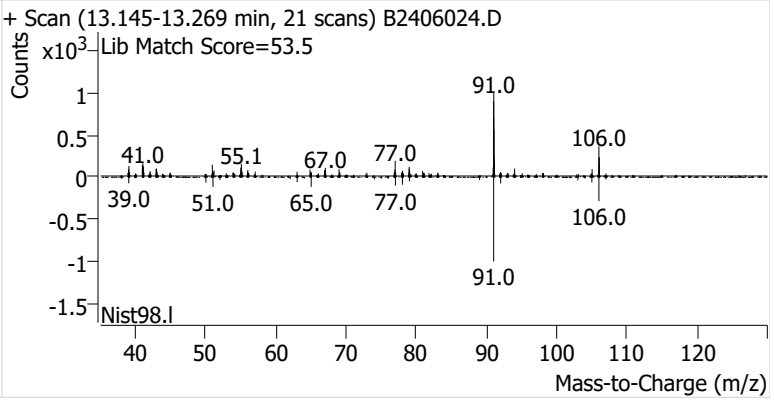
Toluene



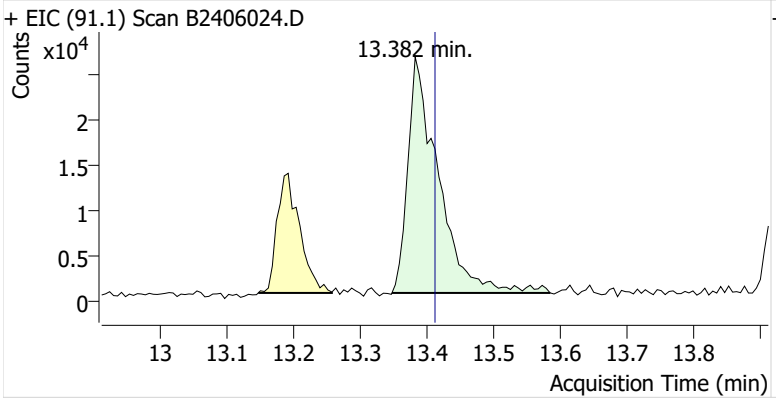


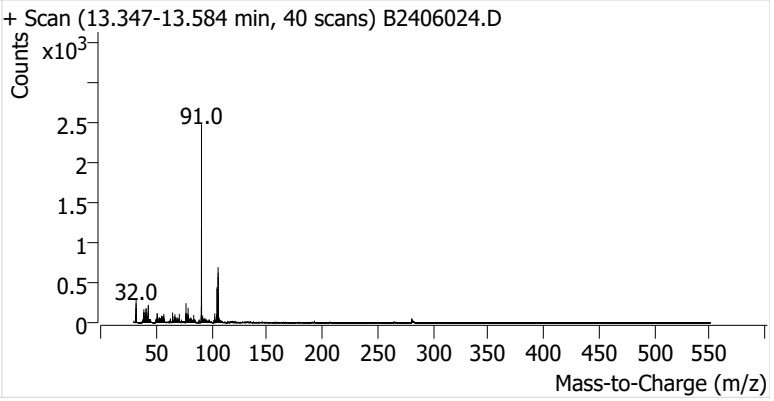
Ethylbenzene



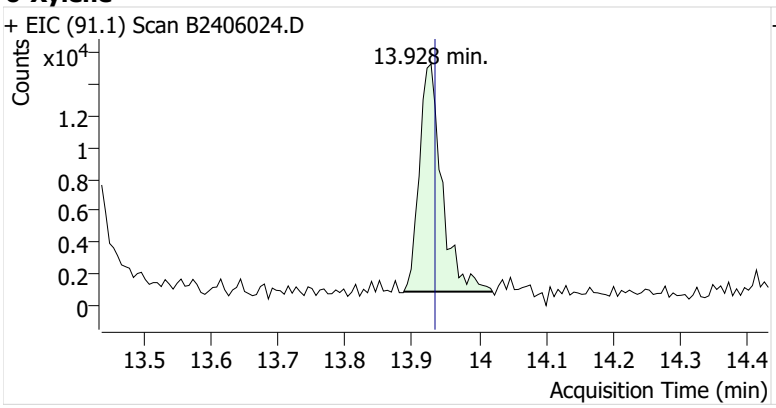


m-/p-Xylene





o-Xylene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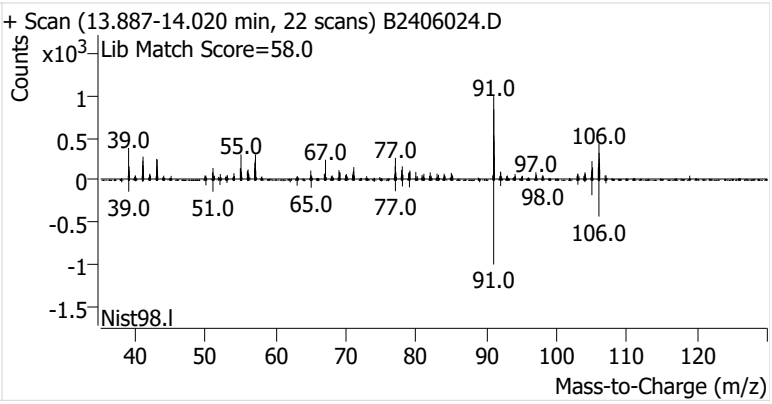
Counts
x10^4
13.928 min.
1.2
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.887-14.020 min, 22 scans) B2406024.D
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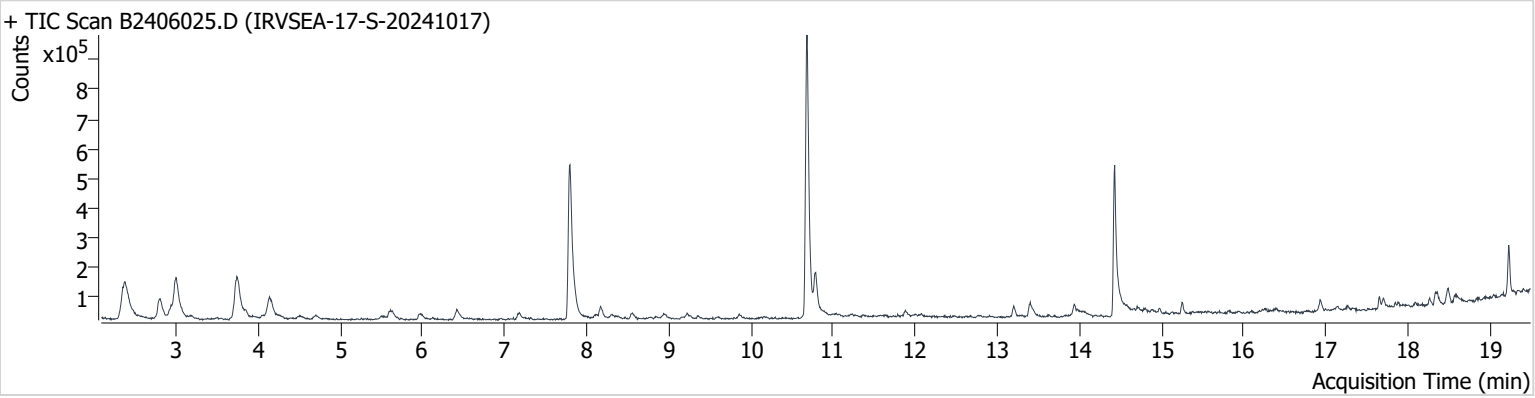
77.0
106.0
97.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

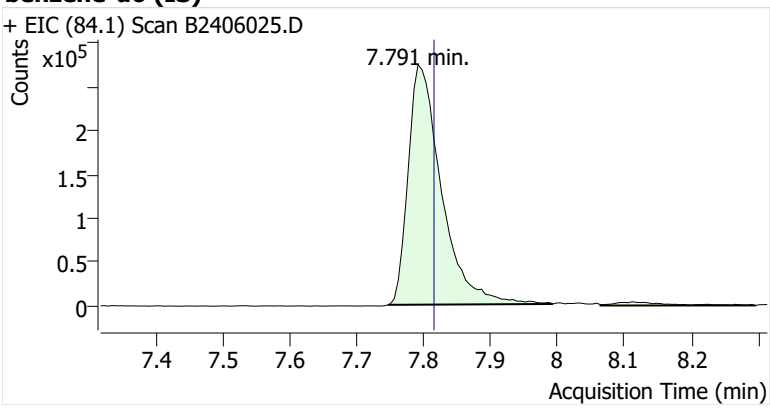
Name	IRVSEA-17-S-20241017
Comment	B16394
Data File	B2406025.D
Acq. Date-Time	11/7/2024 11:49:51 AM
Acq. Method File	M325B-TD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

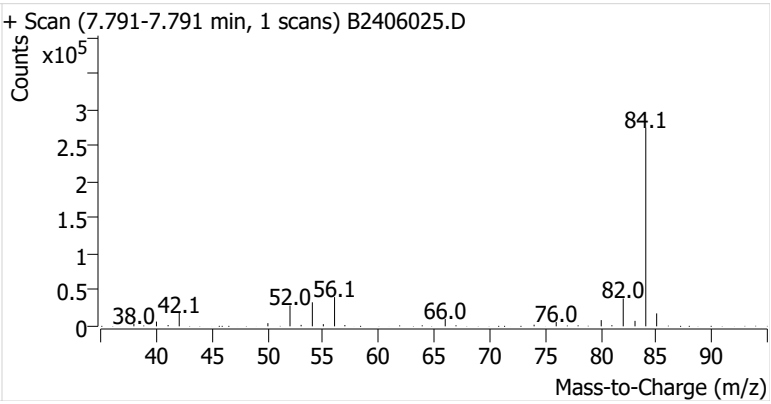
Sample Chromatogram



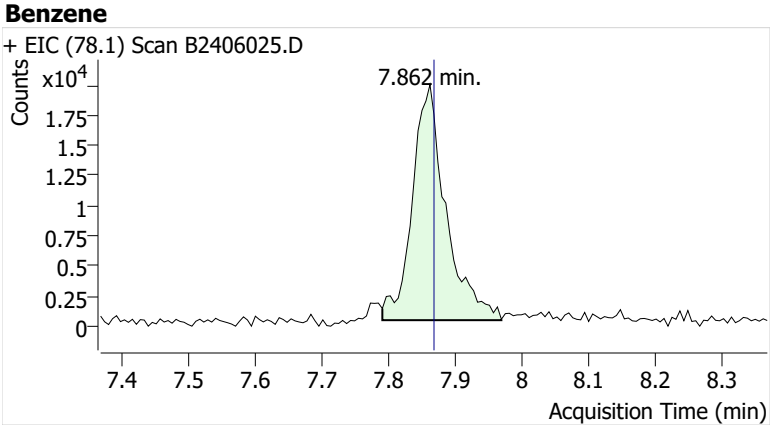
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.791	7.815	946,944	
Benzene	benzene-d6 (IS)	7.862	7.868	68,432	
Toluene-d8 (IS)		10.681	10.693	1,082,110	
Toluene	Toluene-d8 (IS)	10.788	10.794	150,132	
Ethylbenzene	Toluene-d8 (IS)	13.198	13.198	46,185	
m-/p-Xylene	Toluene-d8 (IS)	13.400	13.412	64,727	
o-Xylene	Toluene-d8 (IS)	13.934	13.934	25,506	

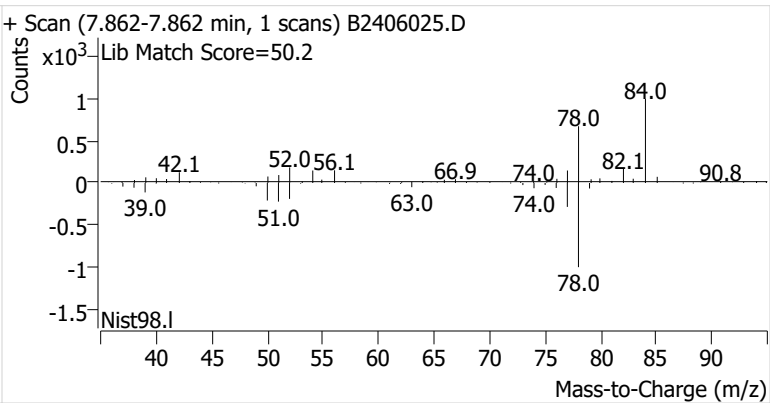
benzene-d6 (IS)



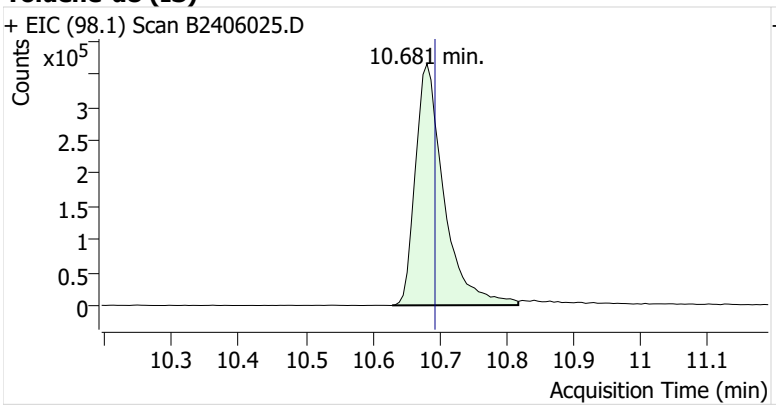


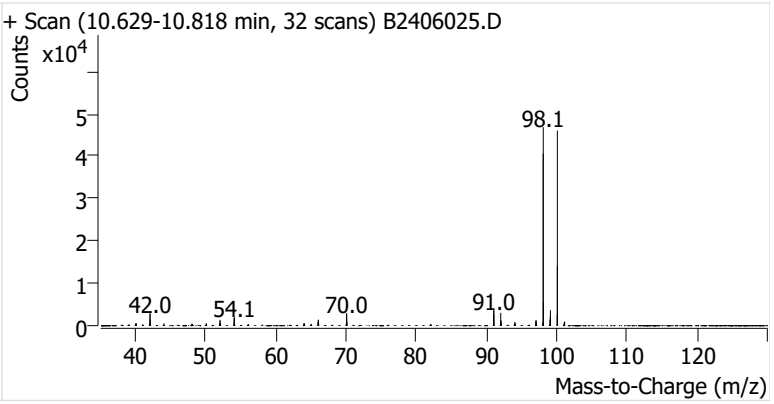
Benzene



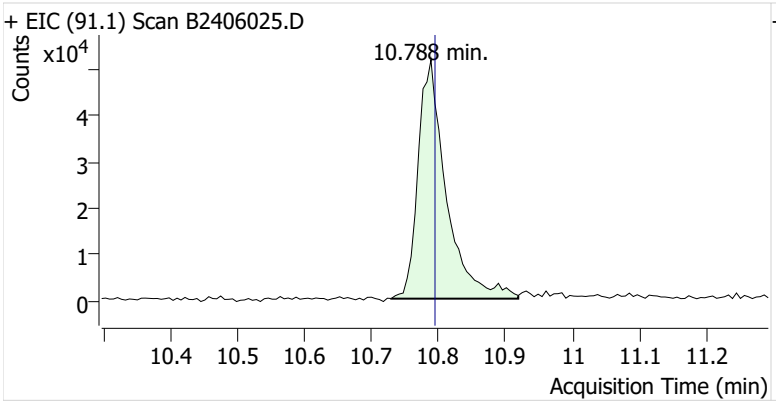


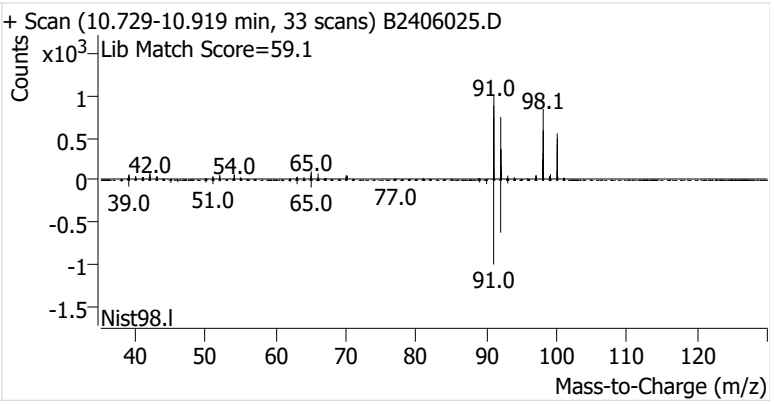
Toluene-d8 (IS)



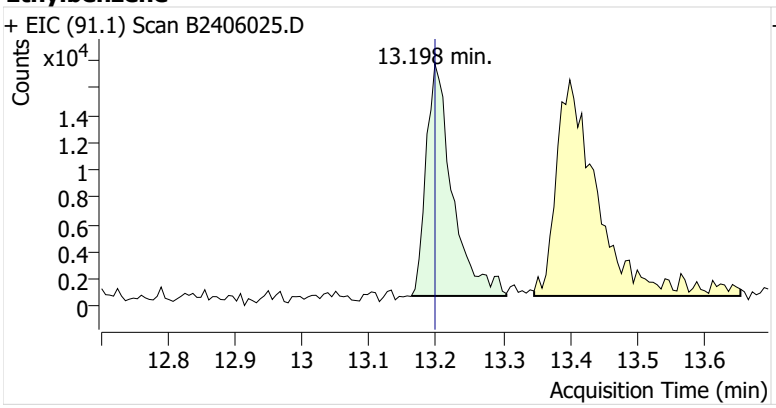


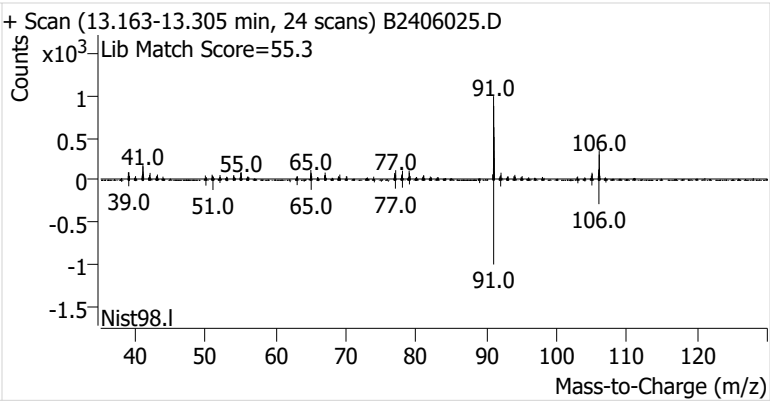
Toluene



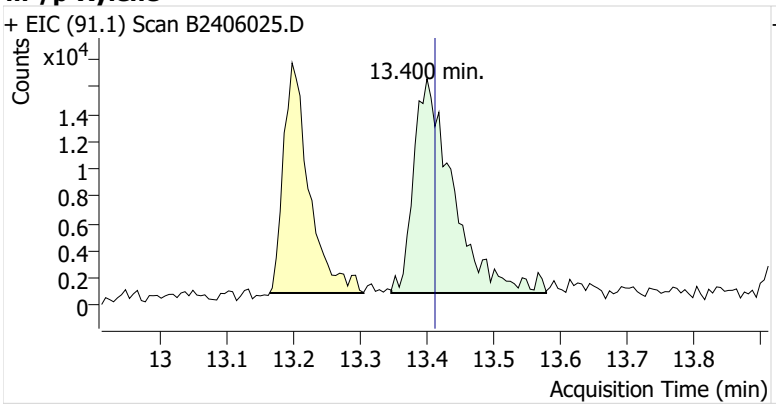


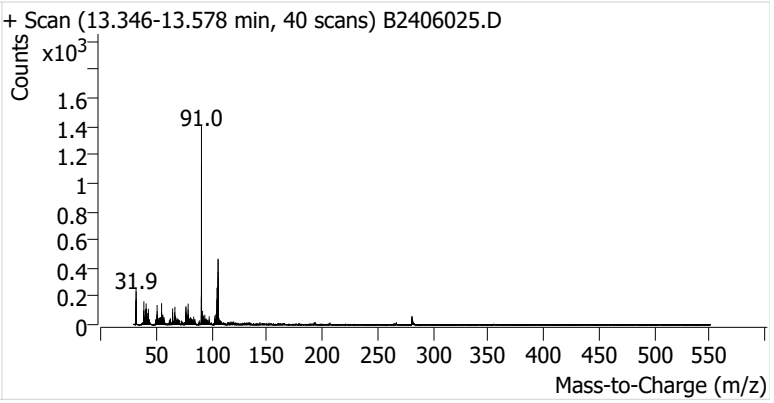
Ethylbenzene



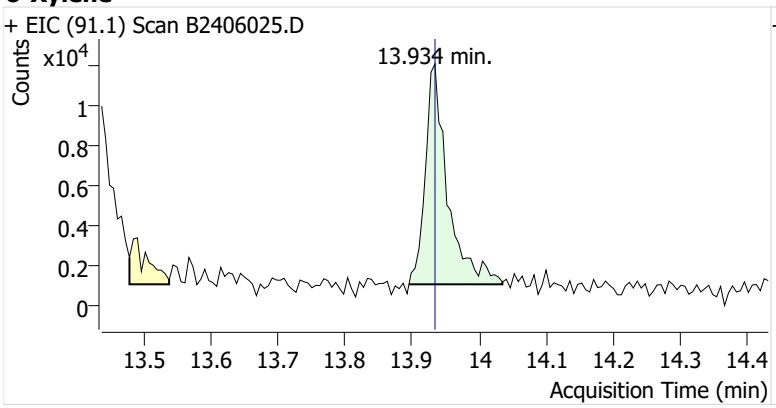


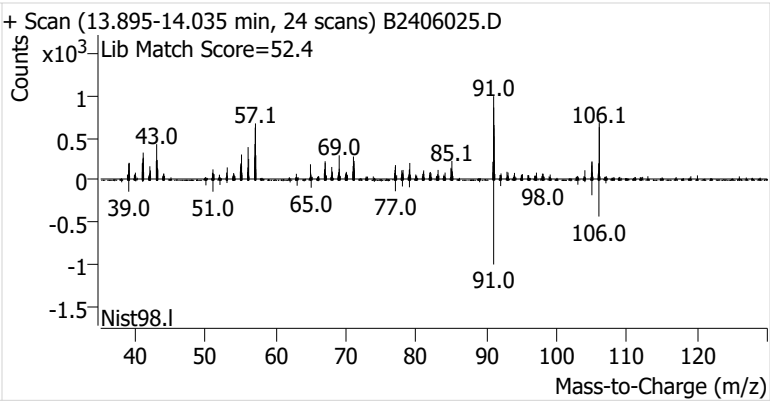
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan B2406025.D
Counts
x10^4
13.934 min.
1
0.8
0.6
0.4
0.2
0
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3 14.4
Acquisition Time (min)


+ Scan (13.895-14.035 min, 24 scans) B2406025.D
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43.0
69.0
85.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.899	0.987	0.899	-8.9%	4.0%		Pass	
2024GG403 Method Blank-1	Blank		0.987	0.899			-1.2%	Pass	ND
M325B CCV 5	Check	0.900	0.987	0.899	-8.8%		-5.2%	Pass	
M325B CCV 5	Check	0.873	0.987	0.899	-11%		-7.3%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.236	1.296	1.236	-4.7%	6.3%		Pass	
2024GG403 Method Blank-1	Blank		1.296	1.236			-2.7%	Pass	ND
M325B CCV 5	Check	1.152	1.296	1.236	-11%		-4.5%	Pass	
M325B CCV 5	Check	1.218	1.296	1.236	-6.1%		-6.3%	Pass	

m-/p-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.875	0.897	0.875	-2.5%	6.3%		Pass	
2024GG403 Method Blank-1	Blank		0.897	0.875			-2.7%	Pass	ND
M325B CCV 5	Check	0.825	0.897	0.875	-8.0%		-4.5%	Pass	
M325B CCV 5	Check	0.872	0.897	0.875	-2.7%		-6.3%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.016	1.019	1.016	-0.22%	6.3%		Pass	
2024GG403 Method Blank-1	Blank		1.019	1.016			-2.7%	Pass	ND
M325B CCV 5	Check	0.947	1.019	1.016	-7.1%		-4.5%	Pass	
M325B CCV 5	Check	0.986	1.019	1.016	-3.2%		-6.3%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.060	1.159	1.060	-8.5%	6.3%		Pass	
2024GG403 Method Blank-1	Blank		1.159	1.060			-2.7%	Pass	ND
M325B CCV 5	Check	1.135	1.159	1.060	-2.1%		-4.5%	Pass	
M325B CCV 5	Check	1.013	1.159	1.060	-13%		-6.3%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	1	B2405433.D	5.25	67834	92.1	1017991	1.169	18%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	2	B2405434.D	10.49	119788	92.1	1002975	1.048	6.2%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	3	B2405435.D	20.99	224542	92.1	1027453	0.959	-2.8%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	4	B2405436.D	41.98	426479	92.1	1001212	0.934	-5.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	5	B2405437.D	104.95	1090357	92.1	1033283	0.926	-6.2%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	6	B2405438.D	209.90	2255330	92.1	1037385	0.954	-3.4%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	7	B2405439.D	629.69	6516173	92.1	1038243	0.918	-7.0%
						Avg:	1022649	0.987	
						%RSD:	1.5%	9.3%	
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	1	B2405433.D	5.39	69407	108.6	1111290	1.258	-3.0%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	2	B2405434.D	10.79	148861	108.6	1123086	1.335	3.0%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	3	B2405435.D	21.57	285927	108.6	1114502	1.292	-0.35%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	4	B2405436.D	43.14	557352	108.6	1103046	1.272	-1.9%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	5	B2405437.D	107.86	1465224	108.6	1158242	1.274	-1.7%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	6	B2405438.D	215.72	3132137	108.6	1166167	1.352	4.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	7	B2405439.D	647.17	9229537	108.6	1199921	1.291	-0.41%
						Avg:	1139465	1.296	
						%RSD:	3.2%	2.7%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	1	B2405433.D	5.43	35940	108.6	1111290	0.647	-28%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	2	B2405434.D	10.86	100559	108.6	1123086	0.896	-0.11%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	3	B2405435.D	21.71	229053	108.6	1114502	1.028	15%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	4	B2405436.D	43.43	383206	108.6	1103046	0.869	-3.1%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	5	B2405437.D	108.57	1008714	108.6	1158242	0.871	-2.8%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	6	B2405438.D	217.14	2286065	108.6	1166167	0.981	9.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	7	B2405439.D	651.41	7093172	108.6	1199921	0.986	9.9%
						Avg:	1139465	0.897	
						%RSD:	3.2%	14%	
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	1	B2405433.D	5.46	44125	108.6	1111290	0.790	-22%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	2	B2405434.D	10.92	115078	108.6	1123086	1.020	0.093%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	3	B2405435.D	21.83	243713	108.6	1114502	1.088	6.8%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	4	B2405436.D	43.67	464539	108.6	1103046	1.048	2.8%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	5	B2405437.D	109.16	1171419	108.6	1158242	1.006	-1.2%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	6	B2405438.D	218.33	2563847	108.6	1166167	1.094	7.4%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	7	B2405439.D	654.98	7849647	108.6	1199921	1.085	6.5%
						Avg:	1139465	1.019	
						%RSD:	3.2%	10%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG403-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	1	B2405433.D	5.45	72719	108.6	1111290	1.304	13%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	2	B2405434.D	10.90	135719	108.6	1123086	1.204	3.9%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	3	B2405435.D	21.80	262769	108.6	1114502	1.175	1.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	4	B2405436.D	43.60	514657	108.6	1103046	1.162	0.28%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	5	B2405437.D	108.99	1244129	108.6	1158242	1.071	-7.7%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	6	B2405438.D	217.98	2631364	108.6	1166167	1.124	-3.0%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	7	B2405439.D	653.93	7759895	108.6	1199921	1.074	-7.3%
						Avg:	1139465	1.159	
						%RSD:	3.2%	7.0%	
B101524A_CC233829_BTEX_R1.quantmethod.xml	Benzene	ICV	B2405440.D	64.23	635831	92.1	1007443	0.905	-8.3%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Ethylbenzene	ICV	B2405440.D	86.24	1135339	108.6	1205392	1.186	-8.5%
B101524A_CC233829_BTEX_R1.quantmethod.xml	m-/p-Xylene	ICV	B2405440.D	89.77	920735	108.6	1205392	0.924	3.1%
B101524A_CC233829_BTEX_R1.quantmethod.xml	o-Xylene	ICV	B2405440.D	88.36	934049	108.6	1205392	0.953	-6.5%
B101524A_CC233829_BTEX_R1.quantmethod.xml	Toluene	ICV	B2405440.D	76.61	843616	108.6	1205392	0.992	-14%

This Is The Last Page Of This Report.

Irving Oil – Searsport

52 Station Ave
Searsport, ME 04974

Sampling Event 5
PROJ-027957

Analytical Report
(2024GG404)

EPA Method 325B
Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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QA Review by Conor Toomey, QA Associate I

Report Issued: 11/27/2024

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
IRVSEA-1-S-20241031	C33726	0.527	P		ND	0.461	J		ND	1.04	P
IRVSEA-2-S-20241031	C38912	0.665	P	0.284	J	0.890		0.368	J	1.83	P
IRVSEA-2-D-20241031	B49578	0.971	P	0.383	J	0.927		0.384	J	2.57	P
IRVSEA-2-B-20241031	C33456		ND,P		ND		ND		ND		ND,P
IRVSEA-3-S-20241031	C39291	0.767	P	0.400	J	1.30		0.508	J	2.42	P
IRVSEA-4-S-20241031	B28078	0.937	P	0.638		1.85		0.663		3.24	P
IRVSEA-5-S-20241031	B47908	1.01	P	0.486	J	1.45		0.612		3.07	P
IRVSEA-6-S-20241031	C32874	1.08	P	0.699		2.15		0.894		3.80	P
IRVSEA-7-S-20241031	B51008	1.88	P	1.48		5.11		2.12		8.15	P
IRVSEA-8-S-20241031	C39286	2.44	P	1.90		6.44		2.67		10.1	P
IRVSEA-8-D-20241031	B30010	2.48	P	1.99		6.63		2.73		10.5	P
IRVSEA-8-B-20241031	C38567		ND,P		ND		ND		ND		ND,P
IRVSEA-9-S-20241031	C01617	1.07	P	0.709		2.23		0.846		3.81	P
IRVSEA-10-S-20241031	B27365	1.02	P	0.626		1.95		0.798		3.73	P
IRVSEA-11-S-20241031	C37039	0.834	P	0.484	J	1.35		0.552	J	2.65	P
IRVSEA-12-S-20241031	B43597	0.675	P		ND	0.728		0.289	J	1.97	P
IRVSEA-13-S-20241031	B14628	0.737	P		ND	0.479	J		ND	2.04	P
IRVSEA-14-S-20241031	B14145	0.592	P		ND	0.374	J		ND	0.995	P
IRVSEA-15-S-20241031	C43709	0.460	P		ND	0.376	J		ND	0.846	P
IRVSEA-16-S-20241031	C01392	0.439	P		ND	0.344	J		ND	0.843	P
IRVSEA-17-S-20241031	B29721	0.499	P		ND	0.389	J		ND	1.77	P

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241031	C33726	0.527	0.165	6.93	46.3	0.651	20,210	0.190	0.383	0.0596	0.120	P
IRVSEA-2-S-20241031	C38912	0.665	0.208	8.75	46.3	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-2-D-20241031	B49578	0.971	0.304	12.8	46.3	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-2-B-20241031	C33456				46.3	0.651	20,215	0.190	0.382	0.0595	0.120	ND,P
IRVSEA-3-S-20241031	C39291	0.767	0.240	10.1	46.2	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-4-S-20241031	B28078	0.937	0.293	12.3	46.2	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-5-S-20241031	B47908	1.01	0.315	13.2	46.2	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-6-S-20241031	C32874	1.08	0.339	14.2	46.2	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-7-S-20241031	B51008	1.88	0.588	24.7	46.2	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-8-S-20241031	C39286	2.44	0.764	32.1	46.2	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-8-D-20241031	B30010	2.48	0.777	32.6	46.2	0.651	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-8-B-20241031	C38567				46.2	0.651	20,215	0.190	0.382	0.0595	0.120	ND,P
IRVSEA-9-S-20241031	C01617	1.07	0.335	14.1	46.2	0.650	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-10-S-20241031	B27365	1.02	0.319	13.4	46.2	0.650	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-11-S-20241031	C37039	0.834	0.261	11.0	46.2	0.650	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-12-S-20241031	B43597	0.675	0.211	8.87	46.2	0.650	20,215	0.190	0.382	0.0595	0.120	P
IRVSEA-13-S-20241031	B14628	0.737	0.231	9.69	46.2	0.650	20,220	0.190	0.382	0.0595	0.120	P
IRVSEA-14-S-20241031	B14145	0.592	0.185	7.79	46.2	0.650	20,220	0.190	0.382	0.0595	0.120	P
IRVSEA-15-S-20241031	C43709	0.460	0.144	6.06	46.2	0.650	20,225	0.190	0.382	0.0595	0.120	P
IRVSEA-16-S-20241031	C01392	0.439	0.137	5.77	46.1	0.650	20,225	0.190	0.382	0.0595	0.120	P
IRVSEA-17-S-20241031	B29721	0.499	0.156	6.56	46.1	0.650	20,225	0.190	0.382	0.0595	0.120	P

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241031	C33726				46.3	0.447	20,210	0.277	0.579	0.0638	0.133	ND
IRVSEA-2-S-20241031	C38912	0.284	0.0655	2.57	46.3	0.447	20,215	0.277	0.579	0.0638	0.133	J
IRVSEA-2-D-20241031	B49578	0.383	0.0882	3.46	46.3	0.447	20,215	0.277	0.579	0.0638	0.133	J
IRVSEA-2-B-20241031	C33456				46.3	0.447	20,215	0.277	0.579	0.0638	0.133	ND
IRVSEA-3-S-20241031	C39291	0.400	0.0923	3.62	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	J
IRVSEA-4-S-20241031	B28078	0.638	0.147	5.76	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	
IRVSEA-5-S-20241031	B47908	0.486	0.112	4.39	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	J
IRVSEA-6-S-20241031	C32874	0.699	0.161	6.31	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	
IRVSEA-7-S-20241031	B51008	1.48	0.342	13.4	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	
IRVSEA-8-S-20241031	C39286	1.90	0.439	17.2	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	
IRVSEA-8-D-20241031	B30010	1.99	0.458	17.9	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	
IRVSEA-8-B-20241031	C38567				46.2	0.447	20,215	0.277	0.579	0.0638	0.133	ND
IRVSEA-9-S-20241031	C01617	0.709	0.163	6.40	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	
IRVSEA-10-S-20241031	B27365	0.626	0.144	5.65	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	
IRVSEA-11-S-20241031	C37039	0.484	0.111	4.37	46.2	0.447	20,215	0.277	0.579	0.0638	0.133	J
IRVSEA-12-S-20241031	B43597				46.2	0.447	20,215	0.277	0.579	0.0638	0.133	ND
IRVSEA-13-S-20241031	B14628				46.2	0.447	20,220	0.277	0.579	0.0638	0.133	ND
IRVSEA-14-S-20241031	B14145				46.2	0.447	20,220	0.277	0.579	0.0638	0.133	ND
IRVSEA-15-S-20241031	C43709				46.2	0.447	20,225	0.277	0.579	0.0638	0.133	ND
IRVSEA-16-S-20241031	C01392				46.1	0.447	20,225	0.277	0.579	0.0638	0.133	ND
IRVSEA-17-S-20241031	B29721				46.1	0.447	20,225	0.277	0.579	0.0638	0.133	ND

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241031	C33726	0.461	0.106	4.16	46.3	0.447	20,210	0.277	0.547	0.0638	0.126	J
IRVSEA-2-S-20241031	C38912	0.890	0.205	8.03	46.3	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-2-D-20241031	B49578	0.927	0.214	8.37	46.3	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-2-B-20241031	C33456				46.3	0.447	20,215	0.277	0.547	0.0638	0.126	ND
IRVSEA-3-S-20241031	C39291	1.30	0.298	11.7	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-4-S-20241031	B28078	1.85	0.426	16.7	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-5-S-20241031	B47908	1.45	0.333	13.1	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-6-S-20241031	C32874	2.15	0.494	19.4	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-7-S-20241031	B51008	5.11	1.18	46.1	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-8-S-20241031	C39286	6.44	1.48	58.1	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-8-D-20241031	B30010	6.63	1.53	59.8	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-8-B-20241031	C38567				46.2	0.447	20,215	0.277	0.547	0.0638	0.126	ND
IRVSEA-9-S-20241031	C01617	2.23	0.515	20.2	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-10-S-20241031	B27365	1.95	0.450	17.6	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-11-S-20241031	C37039	1.35	0.311	12.2	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-12-S-20241031	B43597	0.728	0.168	6.57	46.2	0.447	20,215	0.277	0.547	0.0638	0.126	
IRVSEA-13-S-20241031	B14628	0.479	0.110	4.33	46.2	0.447	20,220	0.277	0.547	0.0638	0.126	J
IRVSEA-14-S-20241031	B14145	0.374	0.0862	3.38	46.2	0.447	20,220	0.277	0.547	0.0638	0.126	J
IRVSEA-15-S-20241031	C43709	0.376	0.0867	3.40	46.2	0.447	20,225	0.277	0.547	0.0638	0.126	J
IRVSEA-16-S-20241031	C01392	0.344	0.0794	3.11	46.1	0.447	20,225	0.277	0.547	0.0638	0.126	J
IRVSEA-17-S-20241031	B29721	0.389	0.0896	3.51	46.1	0.447	20,225	0.277	0.547	0.0638	0.126	J

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241031	C33726				46.3	0.447	20,210	0.277	0.570	0.0638	0.131	ND
IRVSEA-2-S-20241031	C38912	0.368	0.0849	3.32	46.3	0.447	20,215	0.277	0.570	0.0638	0.131	J
IRVSEA-2-D-20241031	B49578	0.384	0.0886	3.47	46.3	0.447	20,215	0.277	0.570	0.0638	0.131	J
IRVSEA-2-B-20241031	C33456				46.3	0.447	20,215	0.277	0.570	0.0638	0.131	ND
IRVSEA-3-S-20241031	C39291	0.508	0.117	4.59	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	J
IRVSEA-4-S-20241031	B28078	0.663	0.153	5.99	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	
IRVSEA-5-S-20241031	B47908	0.612	0.141	5.53	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	
IRVSEA-6-S-20241031	C32874	0.894	0.206	8.07	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	
IRVSEA-7-S-20241031	B51008	2.12	0.489	19.1	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	
IRVSEA-8-S-20241031	C39286	2.67	0.615	24.1	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	
IRVSEA-8-D-20241031	B30010	2.73	0.628	24.6	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	
IRVSEA-8-B-20241031	C38567				46.2	0.447	20,215	0.277	0.570	0.0638	0.131	ND
IRVSEA-9-S-20241031	C01617	0.846	0.195	7.64	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	
IRVSEA-10-S-20241031	B27365	0.798	0.184	7.21	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	
IRVSEA-11-S-20241031	C37039	0.552	0.127	4.98	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	J
IRVSEA-12-S-20241031	B43597	0.289	0.0666	2.61	46.2	0.447	20,215	0.277	0.570	0.0638	0.131	J
IRVSEA-13-S-20241031	B14628				46.2	0.447	20,220	0.277	0.570	0.0638	0.131	ND
IRVSEA-14-S-20241031	B14145				46.2	0.447	20,220	0.277	0.570	0.0638	0.131	ND
IRVSEA-15-S-20241031	C43709				46.2	0.447	20,225	0.277	0.570	0.0638	0.131	ND
IRVSEA-16-S-20241031	C01392				46.1	0.447	20,225	0.277	0.570	0.0638	0.131	ND
IRVSEA-17-S-20241031	B29721				46.1	0.447	20,225	0.277	0.570	0.0638	0.131	ND

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241031	C33726	1.04	0.276	10.6	46.3	0.505	20,210	0.245	0.533	0.0651	0.142	P
IRVSEA-2-S-20241031	C38912	1.83	0.485	18.6	46.3	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-2-D-20241031	B49578	2.57	0.683	26.2	46.3	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-2-B-20241031	C33456				46.3	0.505	20,215	0.245	0.533	0.0650	0.141	ND,P
IRVSEA-3-S-20241031	C39291	2.42	0.642	24.7	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-4-S-20241031	B28078	3.24	0.861	33.1	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-5-S-20241031	B47908	3.07	0.816	31.4	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-6-S-20241031	C32874	3.80	1.01	38.8	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-7-S-20241031	B51008	8.15	2.16	83.2	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-8-S-20241031	C39286	10.1	2.68	103	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-8-D-20241031	B30010	10.5	2.80	108	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-8-B-20241031	C38567				46.2	0.505	20,215	0.245	0.533	0.0650	0.141	ND,P
IRVSEA-9-S-20241031	C01617	3.81	1.01	38.9	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-10-S-20241031	B27365	3.73	0.989	38.0	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-11-S-20241031	C37039	2.65	0.705	27.1	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-12-S-20241031	B43597	1.97	0.524	20.1	46.2	0.505	20,215	0.245	0.533	0.0650	0.141	P
IRVSEA-13-S-20241031	B14628	2.04	0.541	20.8	46.2	0.505	20,220	0.245	0.533	0.0650	0.141	P
IRVSEA-14-S-20241031	B14145	0.995	0.264	10.2	46.2	0.505	20,220	0.245	0.533	0.0650	0.141	P
IRVSEA-15-S-20241031	C43709	0.846	0.225	8.64	46.2	0.505	20,225	0.245	0.533	0.0650	0.141	P
IRVSEA-16-S-20241031	C01392	0.843	0.224	8.61	46.1	0.505	20,225	0.245	0.533	0.0650	0.141	P
IRVSEA-17-S-20241031	B29721	1.77	0.469	18.0	46.1	0.505	20,225	0.245	0.533	0.0650	0.141	P

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	IRVSEA-2-B-20241031	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
	IRVSEA-8-B-20241031	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	IRVSEA-2-D-20241031	37%	P	30%	Pass	4.1%	Pass	4.3%	Pass	34%	P
	IRVSEA-8-D-20241031	1.7%	Pass	4.2%	Pass	2.9%	Pass	2.2%	Pass	4.3%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	Irving Oil - Searsport
Project	PROJ-027957
Report #	2024GG404

Custody	Enthalpy Analytical, LLC received the sample tubes on 11/15/24. The samples were received in good condition at a temperature of 19.7 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	The BFB tune associated with the initial calibration and the daily BFB check failed to meet method criteria for the relative response of m/z 175. Because m/z 175 is not near the tuning region of the quant ions for the analytes and the continuing calibration checks met the 30% difference criteria, the deviation is not expected to have an effect on the data. All other BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. One of the primary samples IRVSEA-2-S-20241031 (tube ID C38912) and its corresponding duplicate IRVSEA-2-D-20241031 (tube ID B49578) failed to meet the 30% difference criterion specified by the method for Benzene and Toluene only. All samples in the data set for Benzene and Toluene have been flagged "P" to denote this failure.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv.

Enthalpy Analytical Narrative Summary
(continued)

The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

ENTHALPY ANALYTICAL

2024GG404

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose AIR	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROJ-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	C33726	S	10/31/24	9:10	11/14/24	9:00	HFB / HFB		
2	C38912	S	10/31/24	9:15	11/14/24	9:10	HFB / HFB		
2	B49578	D	10/31/24	9:15	11/14/24	9:10	HFB / HFB		
2	C33456	B	10/31/24	9:15	11/14/24	9:10	HFB / HFB		
3	C39291	S	10/31/24	9:25	11/14/24	9:20	HFB / HFB		
4	B28078	S	10/31/24	9:30	11/14/24	9:25	HFB / HFB		
5	B47908	S	10/31/24	9:35	11/14/24	9:30	HFB / HFB		
6	C32874	S	10/31/24	9:40	11/14/24	9:35	HFB / HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu		11/14/2024	15:10
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Daniel Simpson		11/15/24	10:00

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Y	

Ice Temp:	Blank Temp:		Add Custody Seal # below:
—	19.7	Fluke 7A	24A08869

Comments:

ENTHALPY ANALYTICAL

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROJ-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haig.brochu@montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	B51008	S	10/31/24	9:45	11/14/24	9:40	HEB / HEB		
8	C39286	S	10/31/24	9:50	11/14/24	9:45	HEB / HEB		
8	B30010	D	10/31/24	9:50	11/14/24	9:45	HEB / HEB		
8	C38567	B	10/31/24	9:50	11/14/24	9:45	HEB / HEB		
9	C01617	S	10/31/24	10:00	11/14/24	9:55	HEB / HEB		
10	B27365	S	10/31/24	10:05	11/14/24	10:00	HEB / HEB		
11	C37039	S	10/31/24	10:10	11/14/24	10:05	HEB / HEB		
12	B43597	S	10/31/24	10:15	11/14/24	10:10	HEB / HEB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu		11/14/2024	15:10
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Daniel Simpson		11/15/24	10:00

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Y	
Ice Temp: — / **Blank Temp:** 19.7 / Fluke 7A		Add Custody Seal # below: 24A08869	

Comments:

EPA Method 325 A/B
Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, LLC
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: Irving Oil Searsport	Client Name: Montrose Air	PO#:	
Site Address: 52 Station Ave	Project Number: PROJ-027957	Sample Event #	
City: Searsport	Project Manager: Haig Brown	Sorbent:	
State Maine	Email Address: haigbrown@Montrose-env.com		
Zip: 04974	Telephone #: 207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	B14628	S	10/31/24	10:20	11/14/24	10:20	HFB / HFB		
14	B14145	S	10/31/24	10:25	11/14/24	10:25	HFB / HFB		
15	C43709	S	10/31/24	10:40	11/14/24	10:45	HFB / HFB		
16	C01392	S	10/31/24	10:45	11/14/24	10:50	HFB / HFB		
17	B29721	S	10/31/24	10:50	11/14/24	10:55	HFB / HFB		
							/		
							/		
							/		

Relinquished By (printed): Haig Brown	Relinquished By (signature):	Relinquished Date: 11/14/2024	Relinquished Time: 15:10
Recieved By (printed): Daniel Simpson	Recieved By (signature):	Receipt Date: 11/15/24	Receipt Time: 10:00

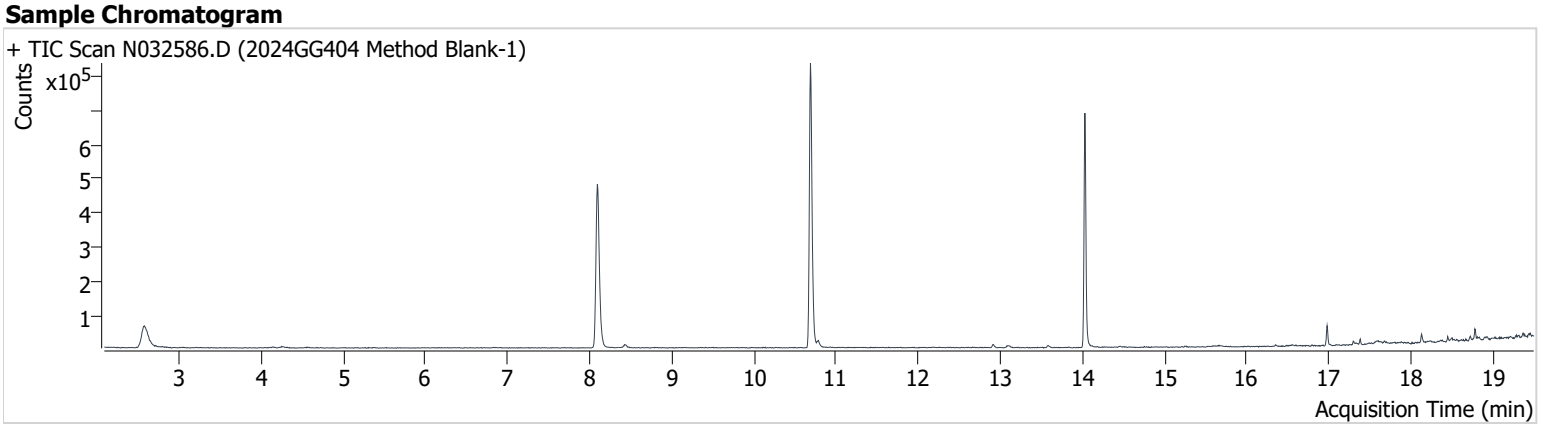
Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Y	
Ice Temp: — / Blank Temp: 19.7 / Fluke 7A		Add Custody Seal # below: 24A05869	

Comments:

Sample Chromatograms

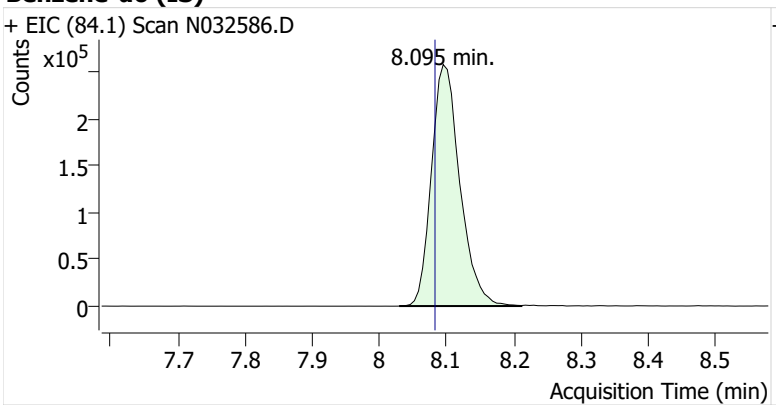
Name	2024GG404 Method Blank-1
Comment	B35930
Data File	N032586.D
Acq. Date-Time	11/18/2024 3:08:30 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

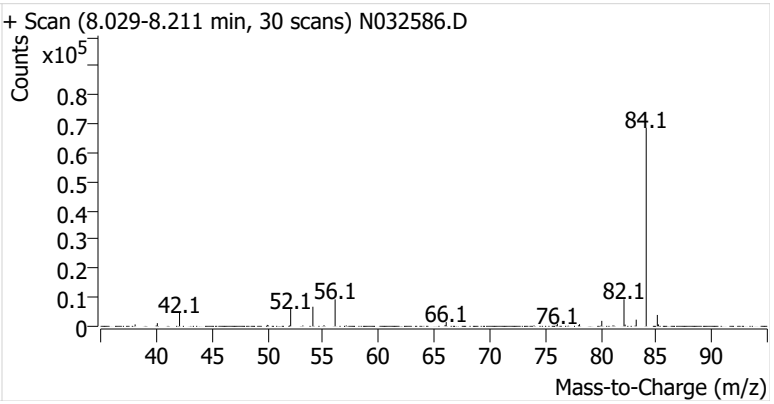
Sample Chromatogram



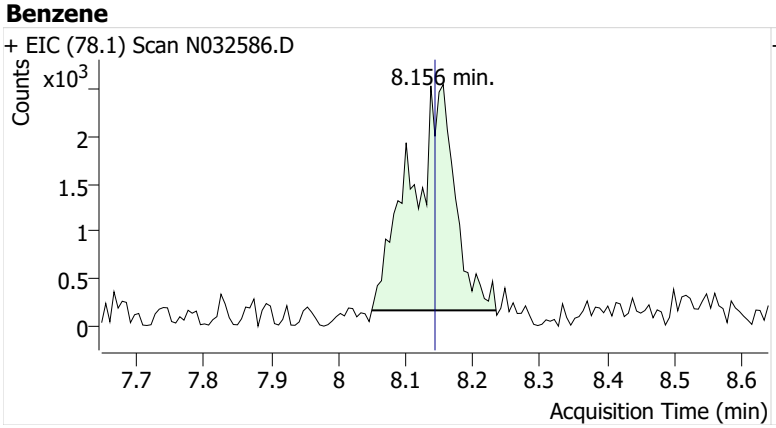
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	756,070	
Benzene	Benzene-d6 (IS)	8.156	8.144	10,916	
Toluene-d8 (IS)		10.689	10.689	749,606	
Toluene	Toluene-d8 (IS)	10.780	10.781	15,841	
Ethylbenzene	Toluene-d8 (IS)	12.916	12.922	7,904	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	6,049	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	4,439	

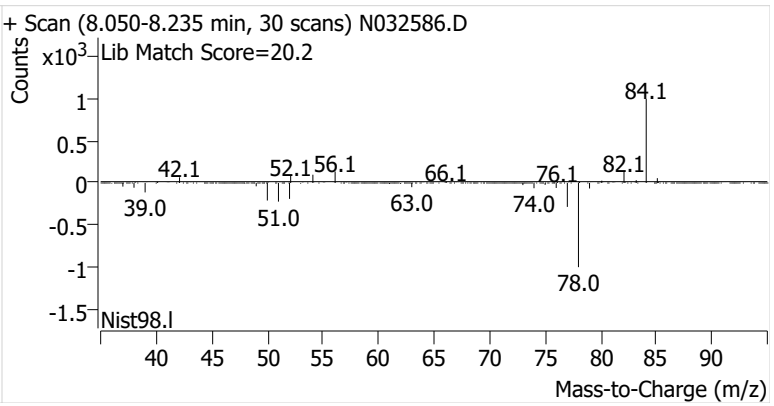
Benzene-d6 (IS)



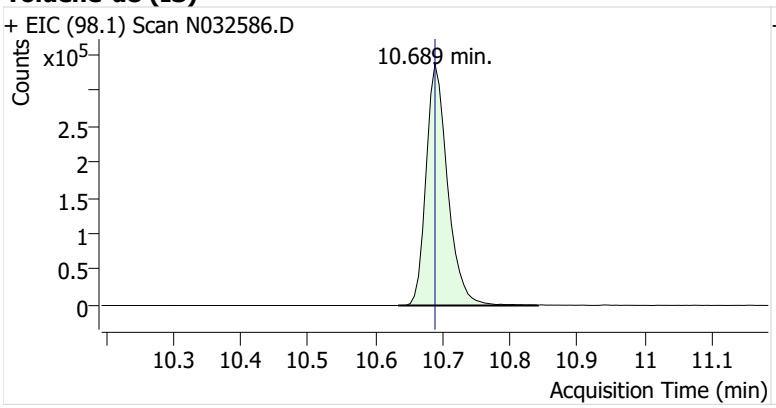


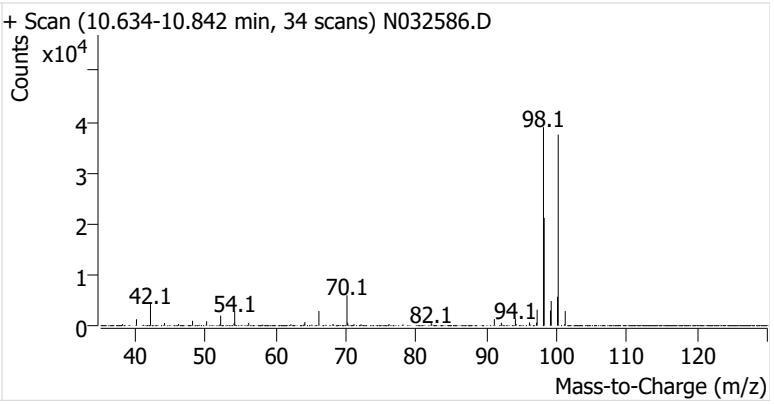
Benzene



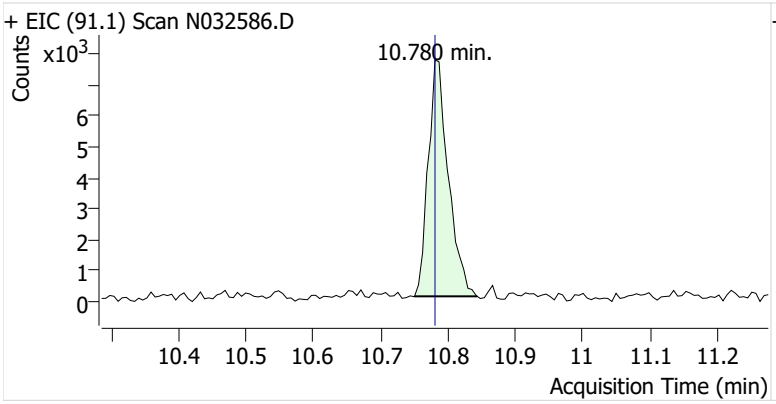


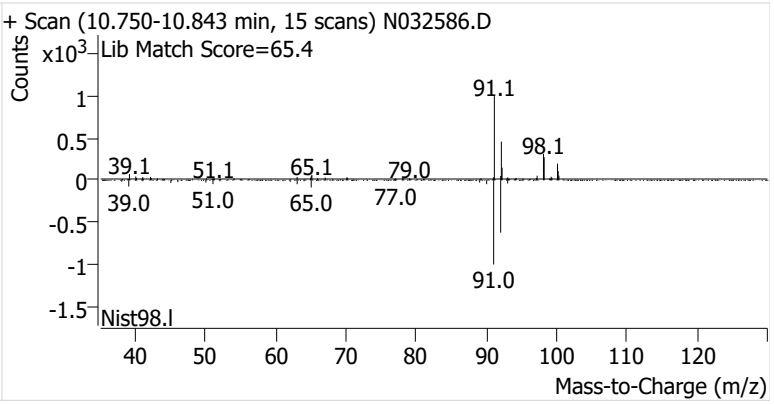
Toluene-d8 (IS)



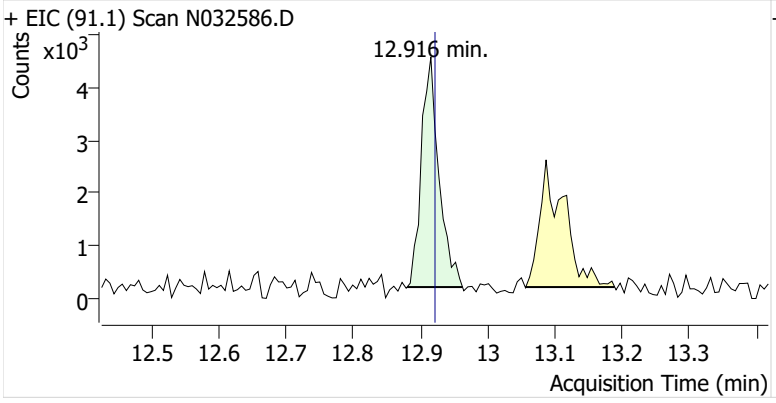


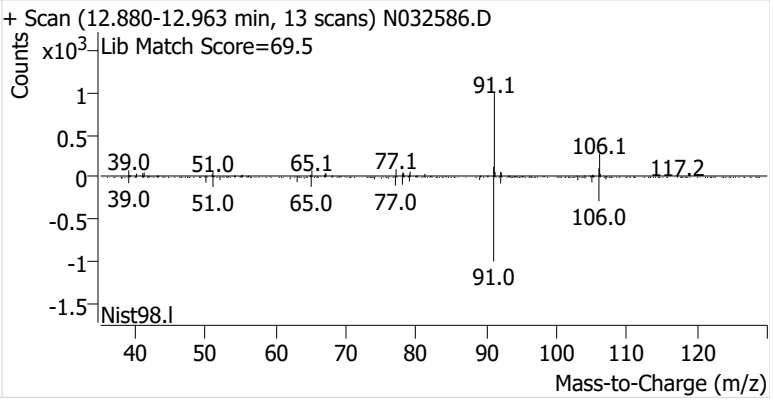
Toluene



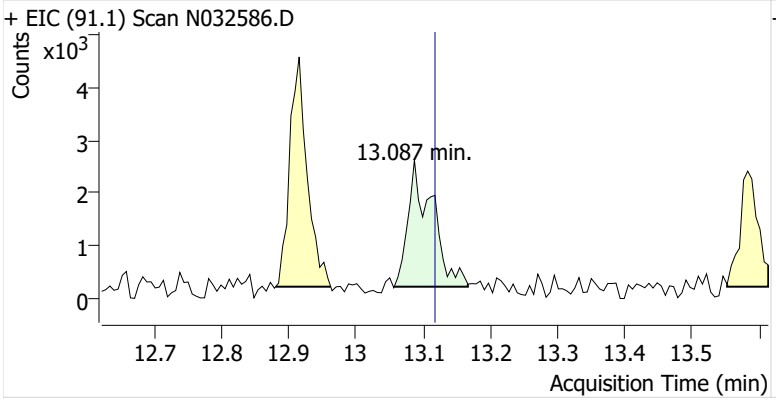


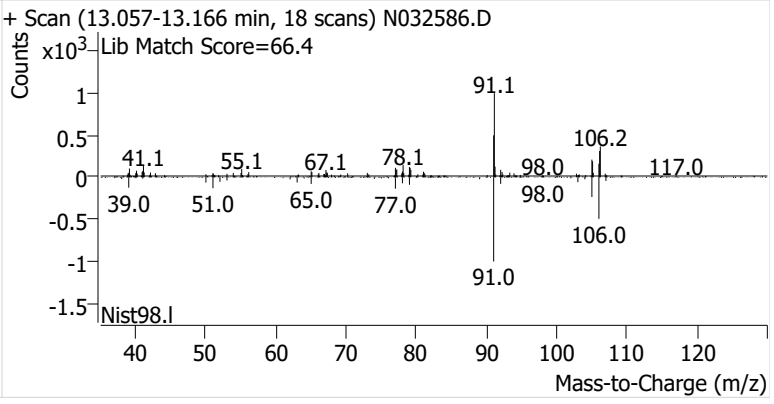
Ethylbenzene



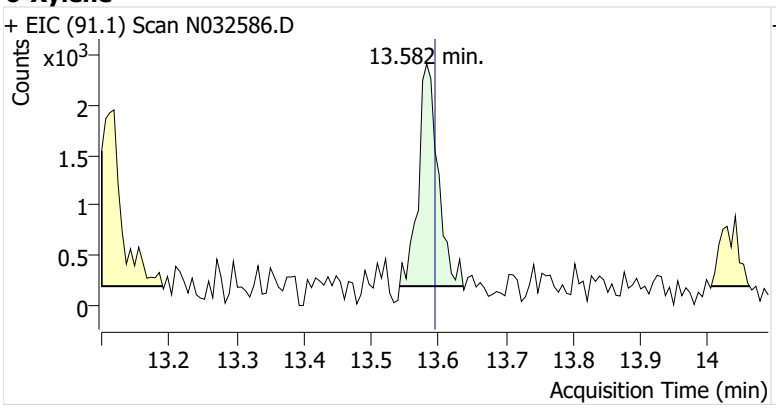


m-/p-Xylenes





o-Xylene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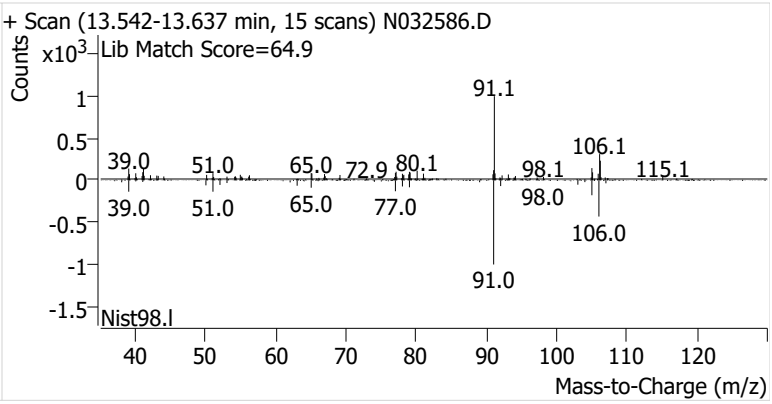
Counts
x10^3
13.582 min.
2
1.5
1
0.5
0
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.542-13.637 min, 15 scans) N032586.D
Counts
x10^3
Lib Match Score=64.9
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106.1
39.0
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65.0
72.9
80.1
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98.0
106.0
91.0
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0.5
0
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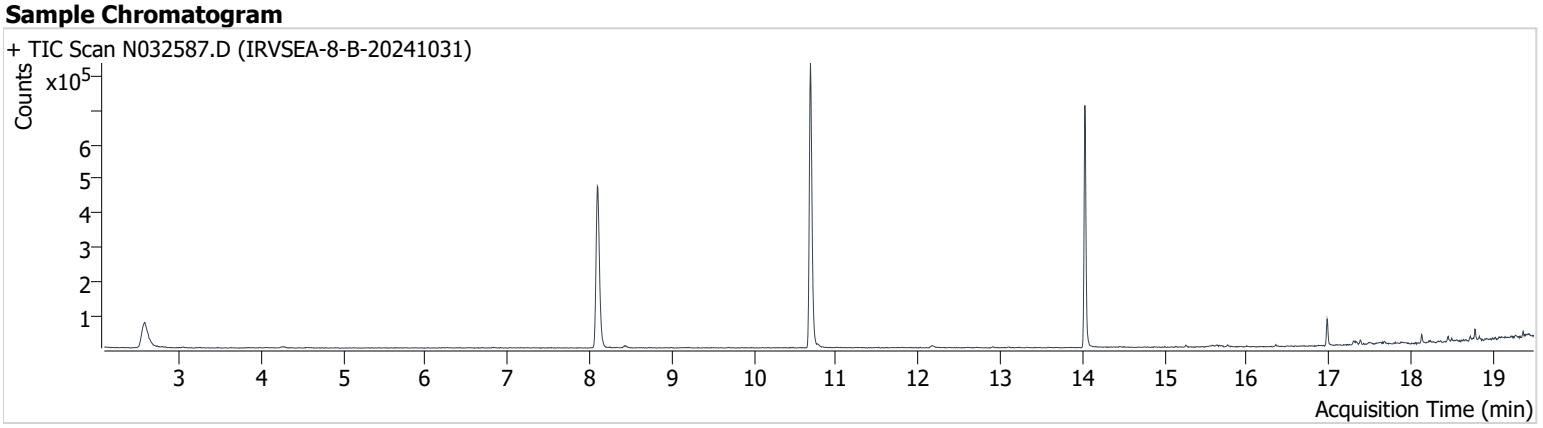
-1
-1.5
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

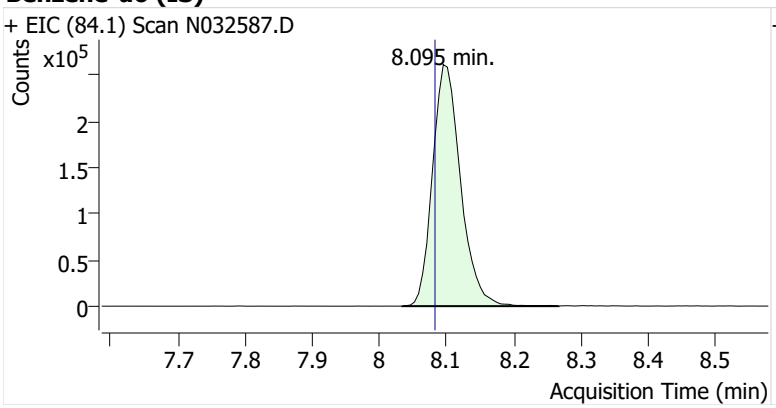
Name	IRVSEA-8-B-20241031
Comment	C38567
Data File	N032587.D
Acq. Date-Time	11/18/2024 3:48:26 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

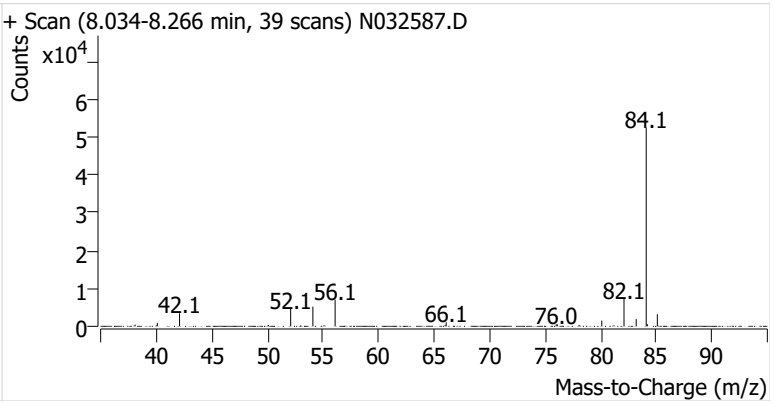
Sample Chromatogram



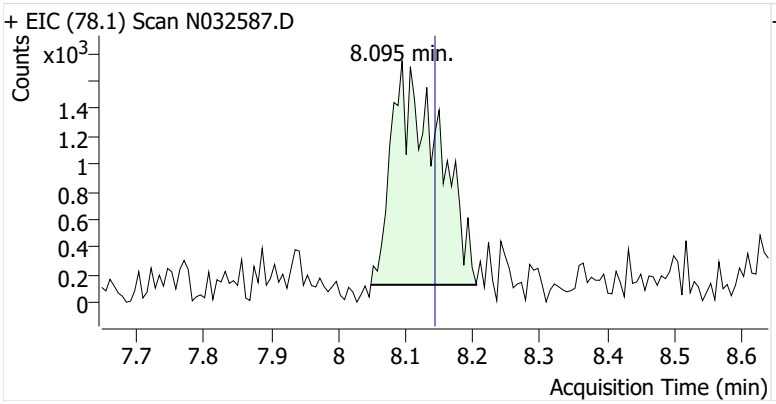
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	760,081	
Benzene	Benzene-d6 (IS)	8.095	8.144	7,850	
Toluene-d8 (IS)		10.689	10.689	739,534	
Toluene	Toluene-d8 (IS)	10.787	10.781	5,463	
Ethylbenzene	Toluene-d8 (IS)	12.916	12.922	1,694	
m-/p-Xylenes	Toluene-d8 (IS)	13.099	13.118	1,196	
o-Xylene	Toluene-d8 (IS)	13.589	13.595	822	

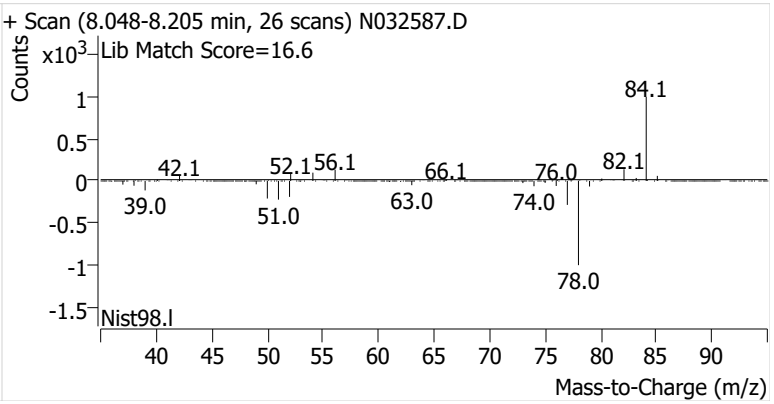
Benzene-d6 (IS)



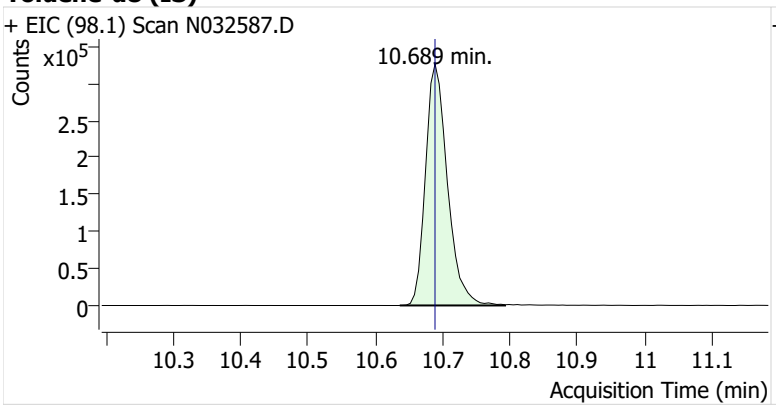


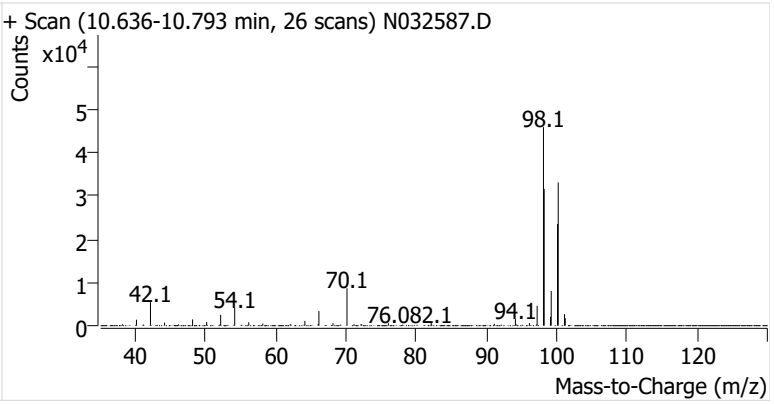
Benzene



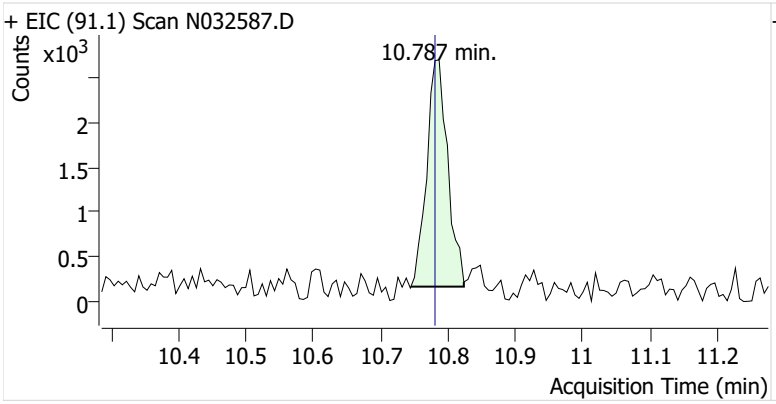


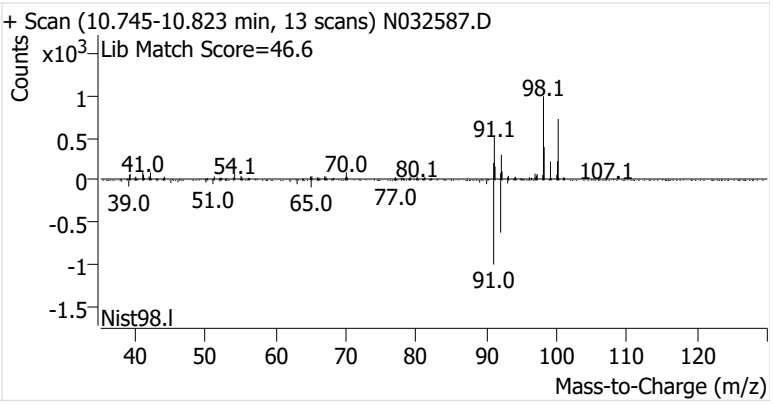
Toluene-d8 (IS)



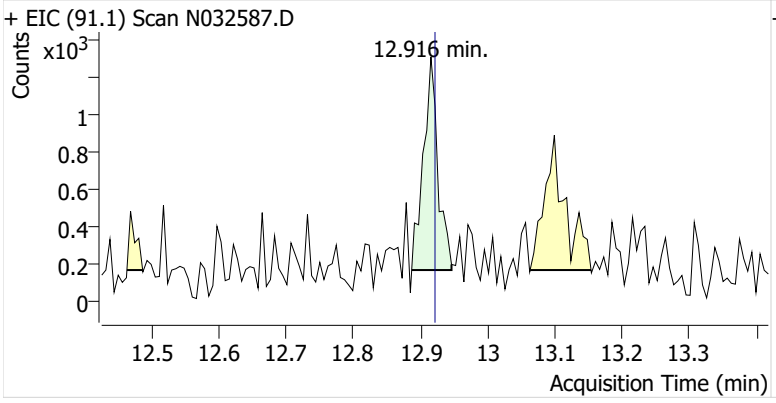


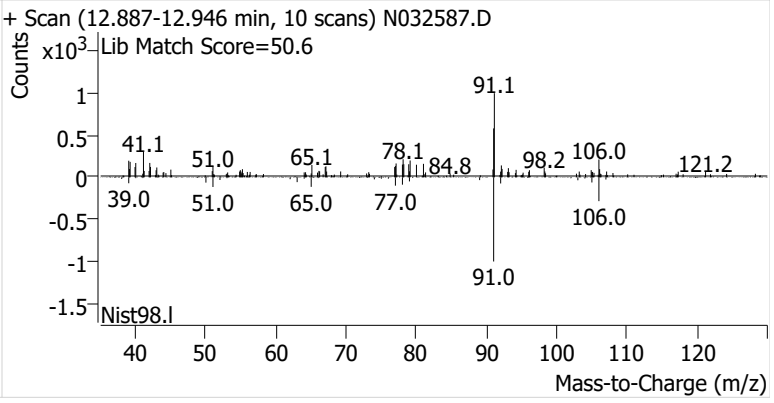
Toluene



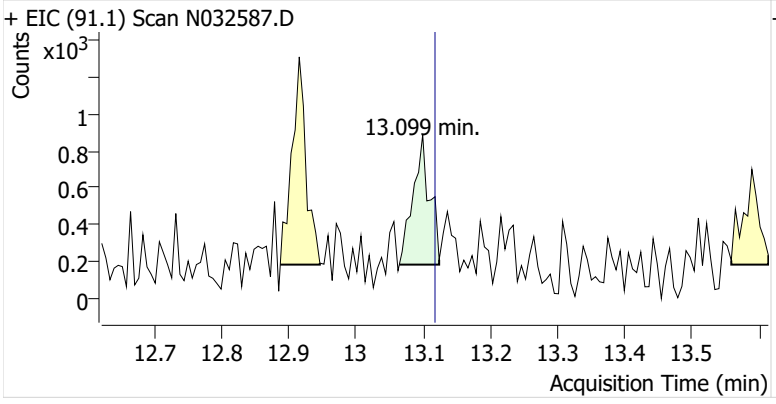


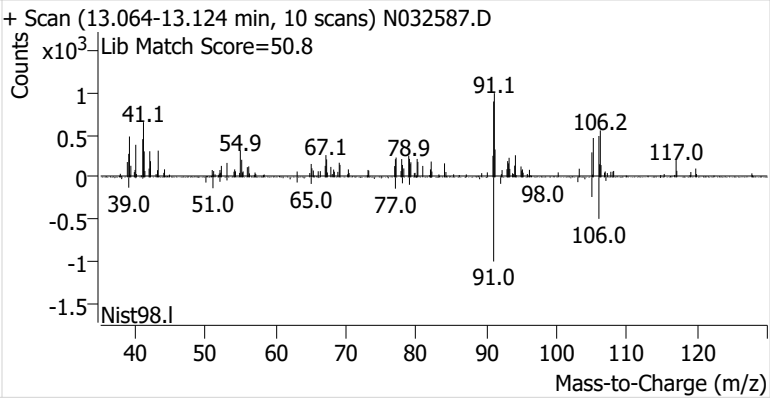
Ethylbenzene



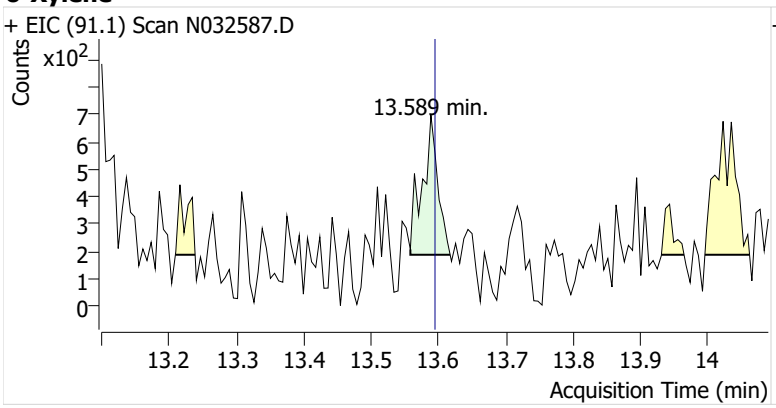


m-/p-Xylenes





o-Xylene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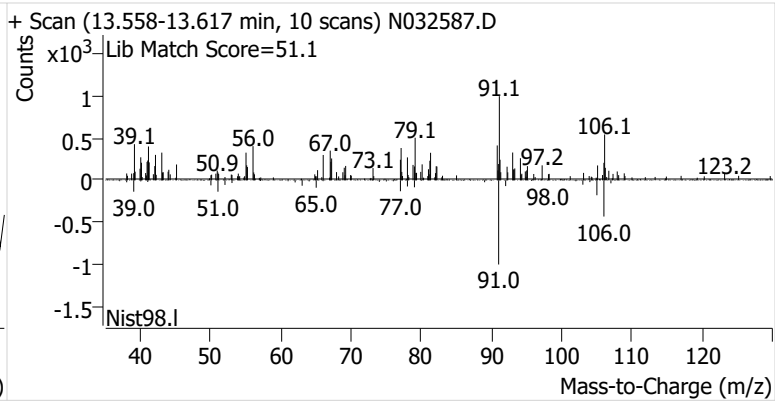
Counts
x10^2
13.589 min.
13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.558-13.617 min, 10 scans) N032587.D
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39.1
56.0
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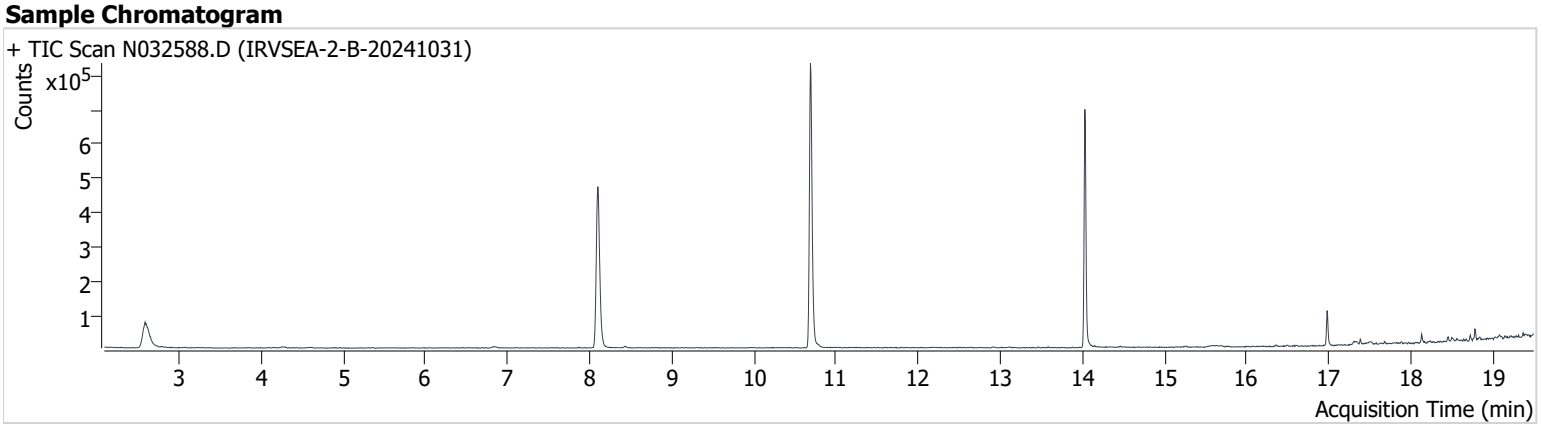
79.1
106.1
50.9
73.1
97.2
123.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

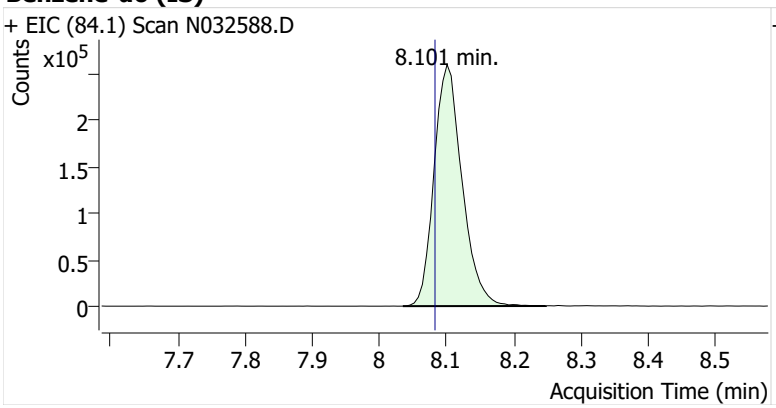
Name	IRVSEA-2-B-20241031
Comment	C33456
Data File	N032588.D
Acq. Date-Time	11/18/2024 4:28:20 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

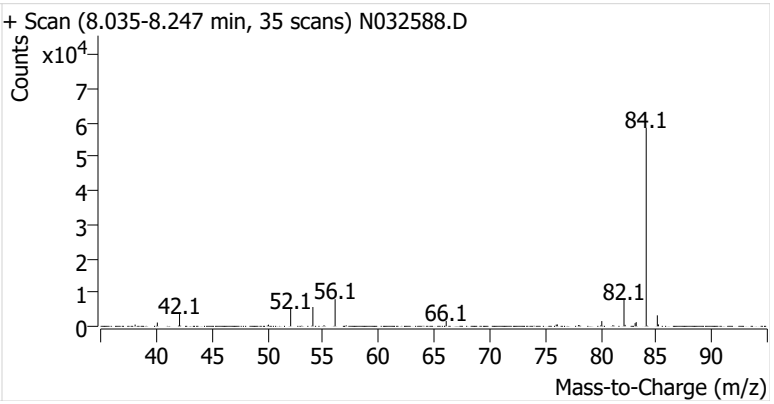
Sample Chromatogram



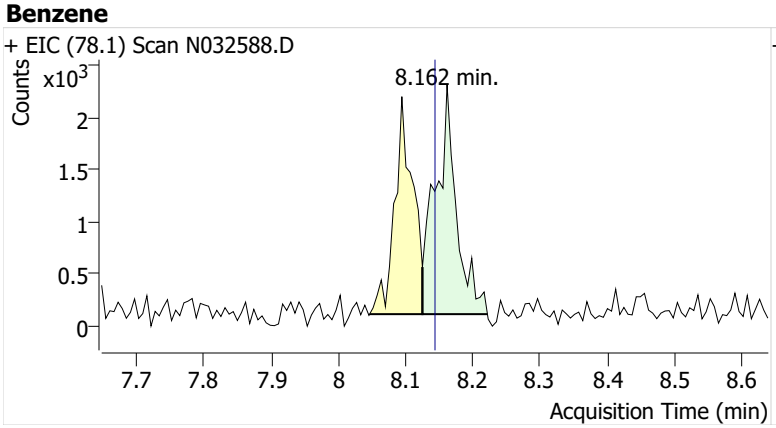
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.101	8.083	754,854	
Benzene	Benzene-d6 (IS)	8.162	8.144	4,823	
Toluene-d8 (IS)		10.688	10.689	751,335	
Toluene	Toluene-d8 (IS)	10.786	10.781	5,851	
Ethylbenzene	Toluene-d8 (IS)	12.915	12.922	1,455	
m-/p-Xylenes	Toluene-d8 (IS)	13.105	13.118	1,210	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	435	m

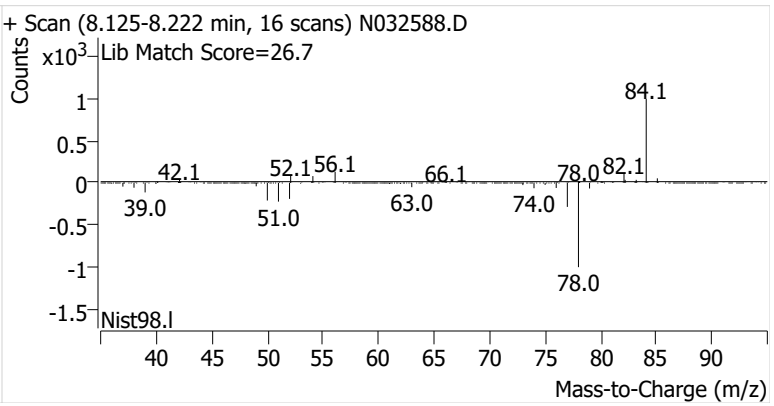
Benzene-d6 (IS)



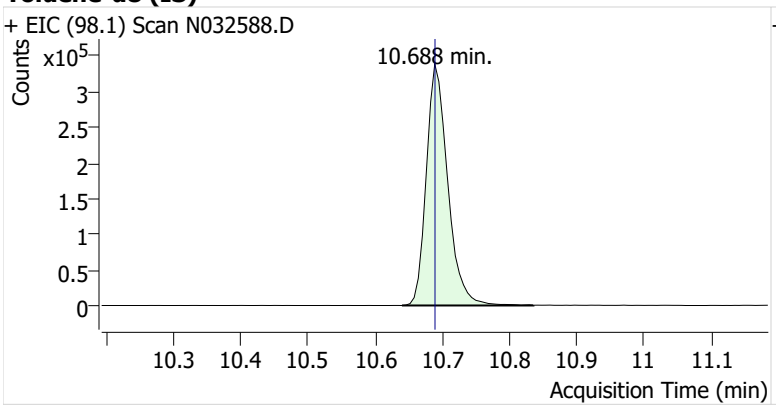


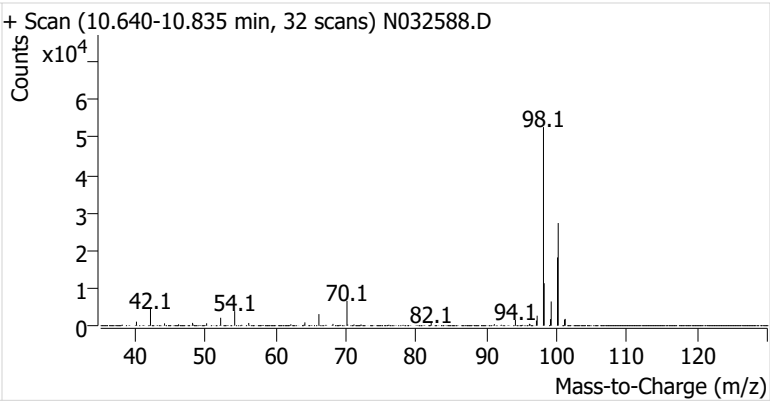
Benzene



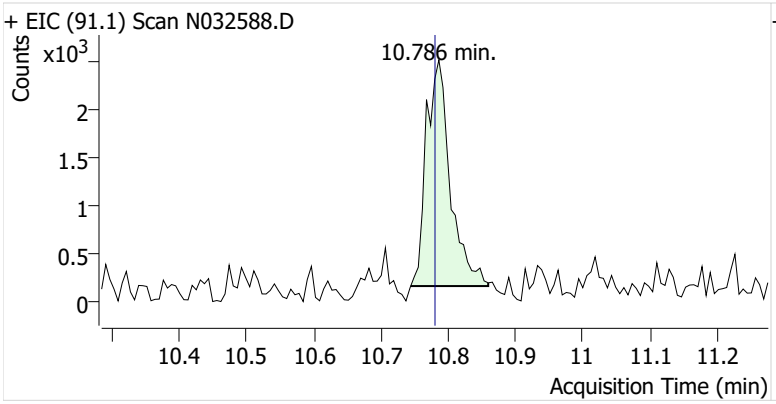


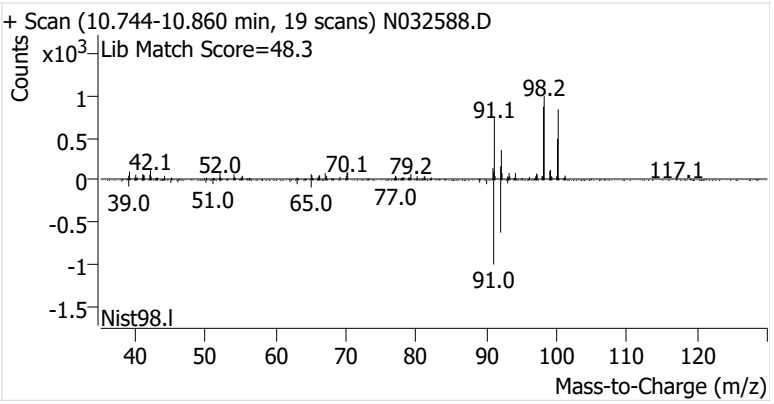
Toluene-d8 (IS)



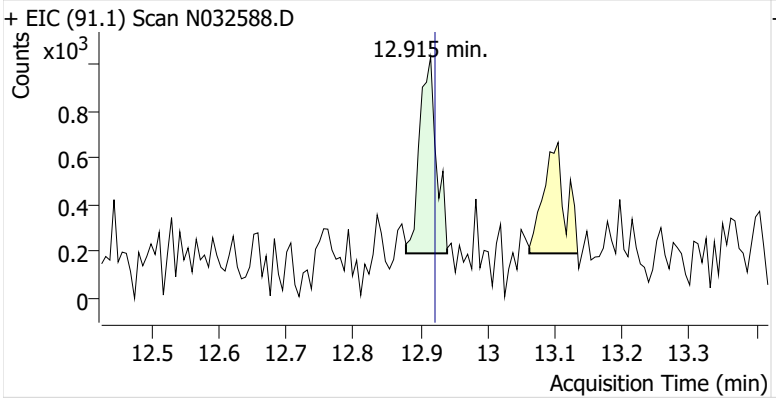


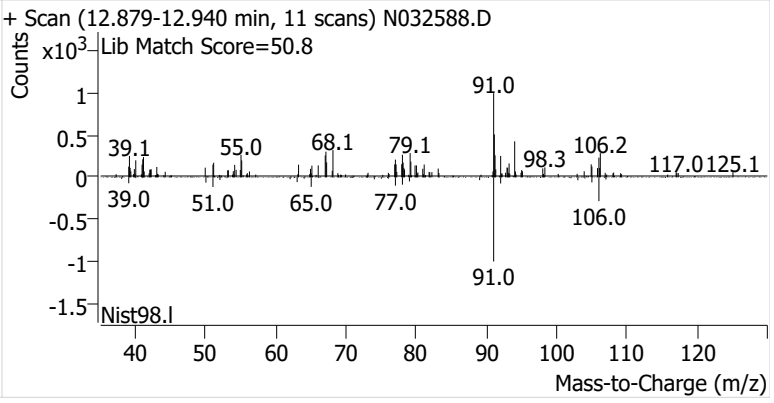
Toluene



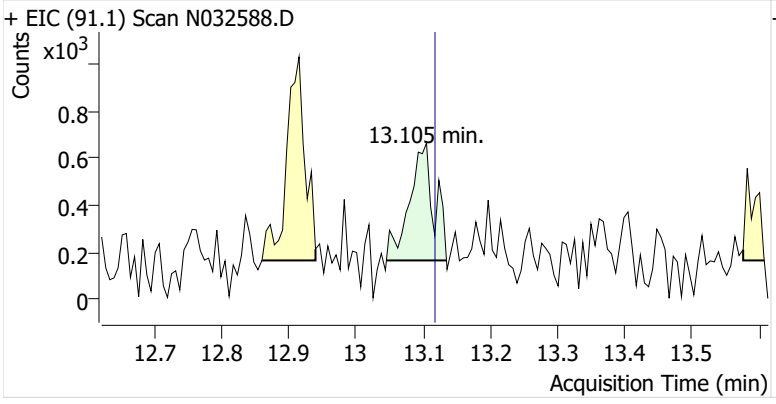


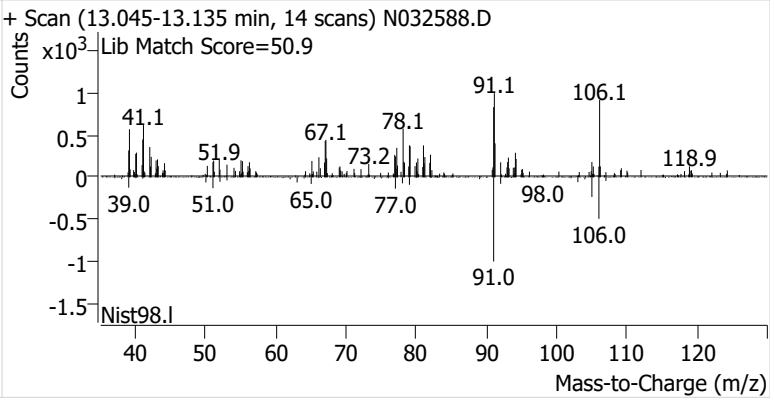
Ethylbenzene



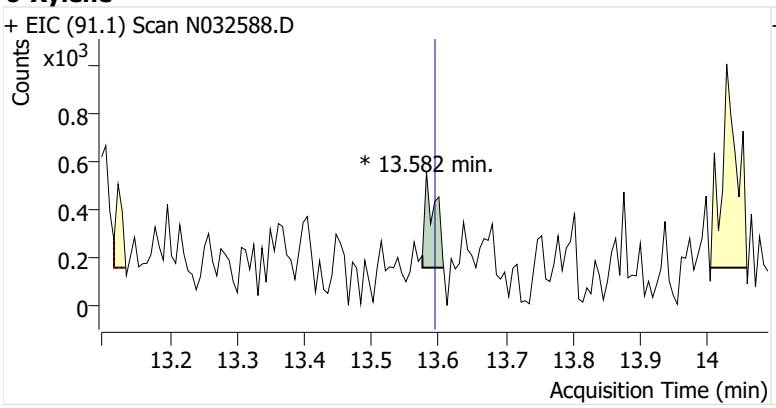


m-/p-Xylenes





o-Xylene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Counts
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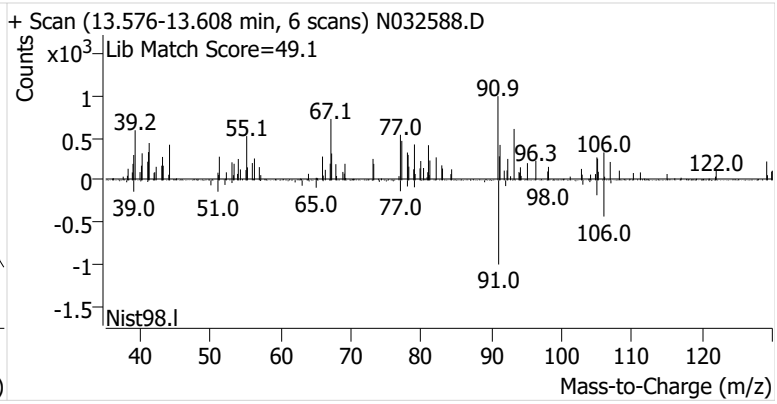
0.4
0.2
0
* 13.582 min.
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.576-13.608 min, 6 scans) N032588.D
Lib Match Score=49.1
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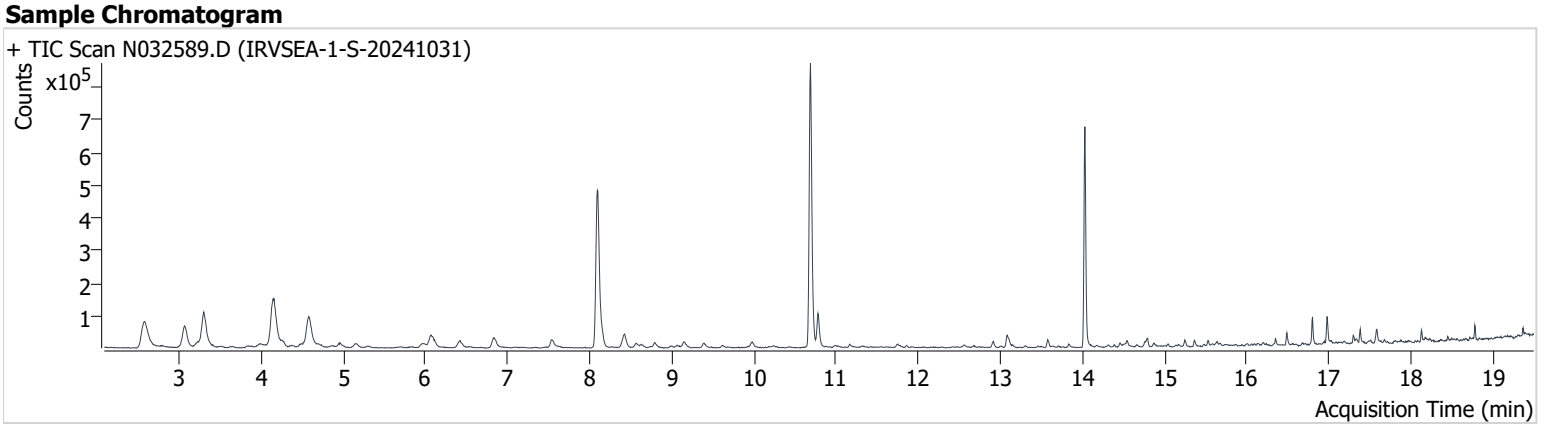
0.5
0
-0.5
-1
-1.5
39.2
55.1
67.1
77.0
90.9
96.3
106.0
122.0
39.0
51.0
65.0
77.0
91.0
98.0
106.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

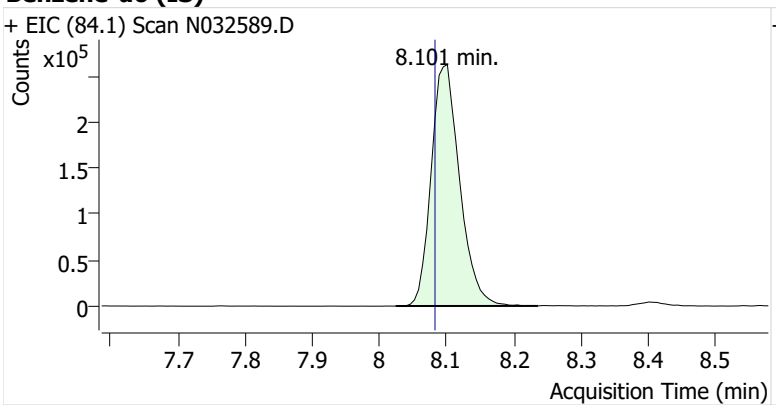
Name	IRVSEA-1-S-20241031
Comment	C33726
Data File	N032589.D
Acq. Date-Time	11/18/2024 5:08:15 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

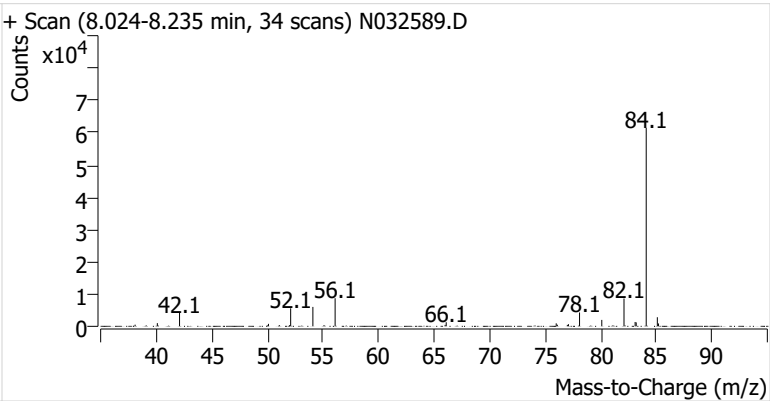
Sample Chromatogram



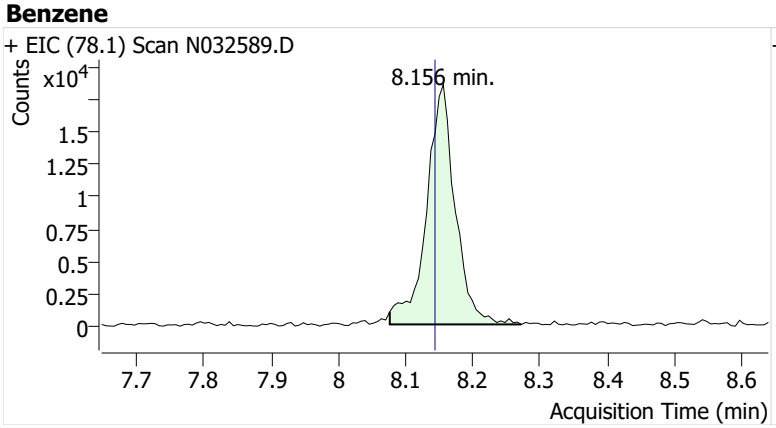
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.101	8.083	769,832	
Benzene	Benzene-d6 (IS)	8.156	8.144	54,967	
Toluene-d8 (IS)		10.689	10.689	767,480	
Toluene	Toluene-d8 (IS)	10.781	10.781	88,034	
Ethylbenzene	Toluene-d8 (IS)	12.916	12.922	14,244	
m-/p-Xylenes	Toluene-d8 (IS)	13.081	13.118	34,680	
o-Xylene	Toluene-d8 (IS)	13.583	13.595	15,696	

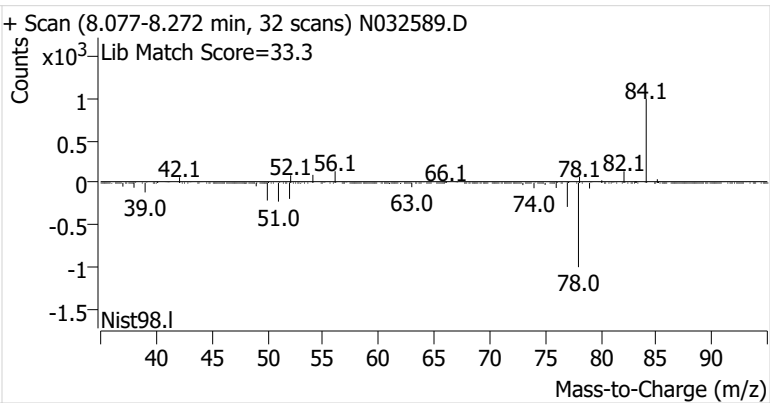
Benzene-d6 (IS)



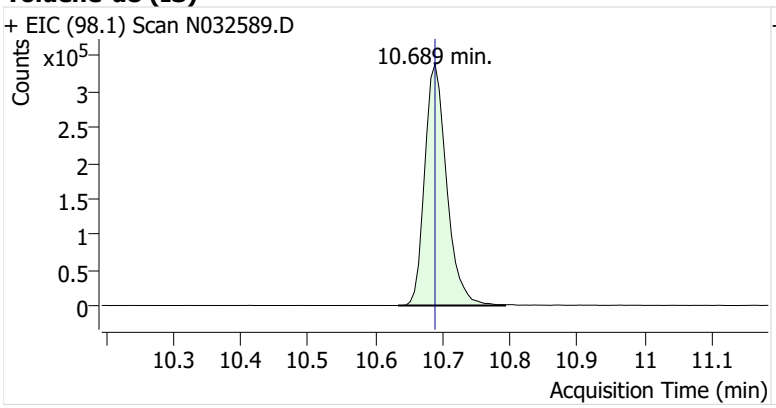


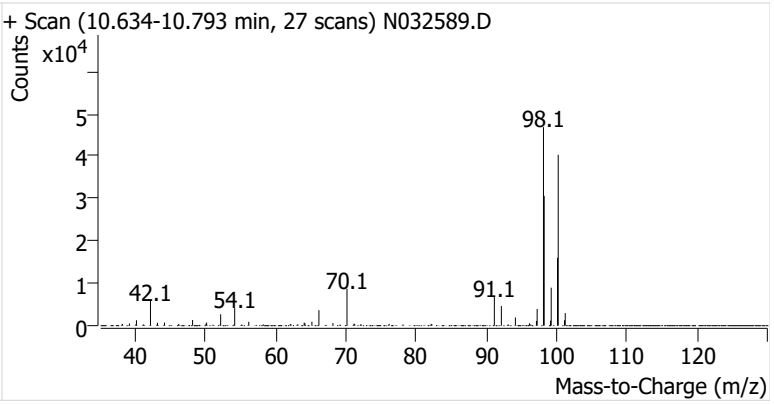
Benzene



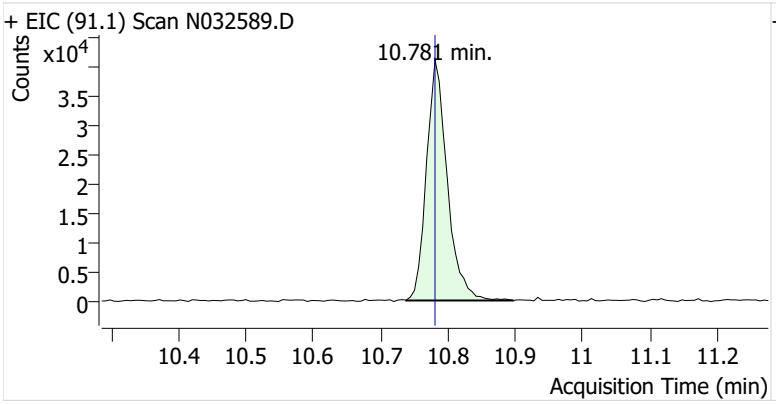


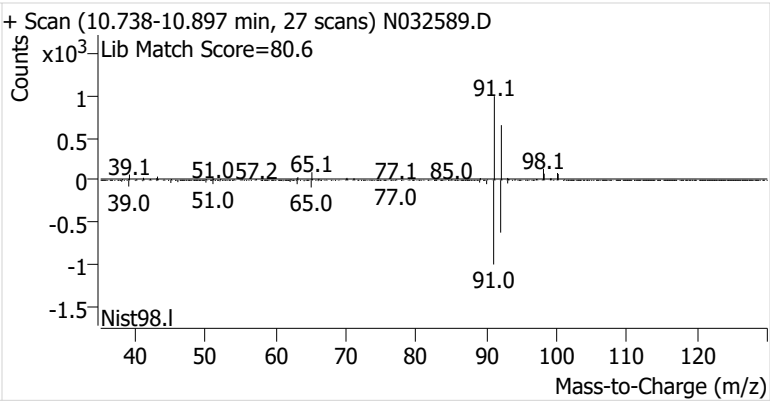
Toluene-d8 (IS)



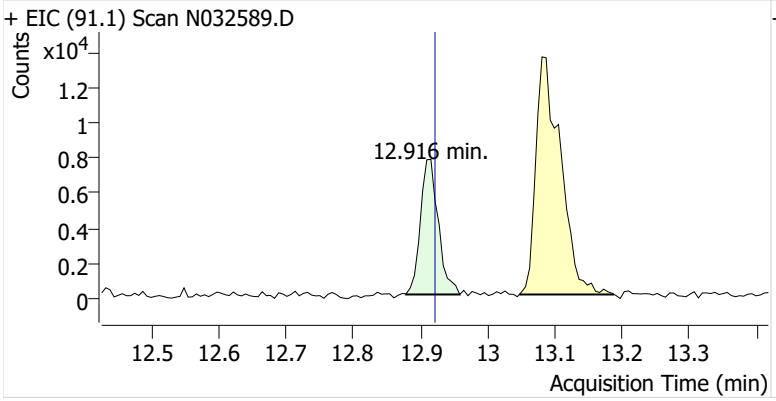


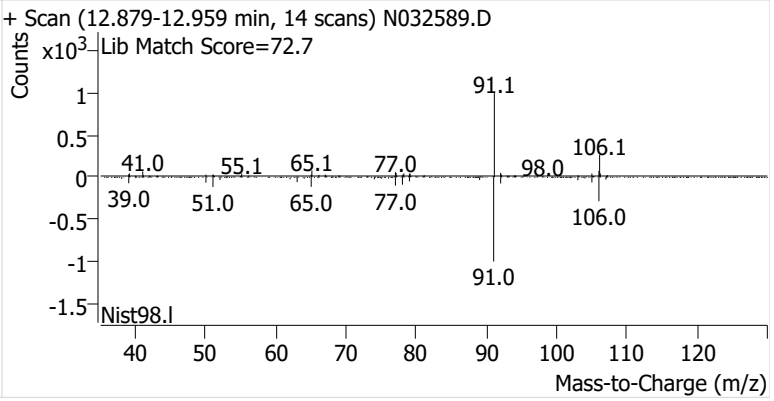
Toluene



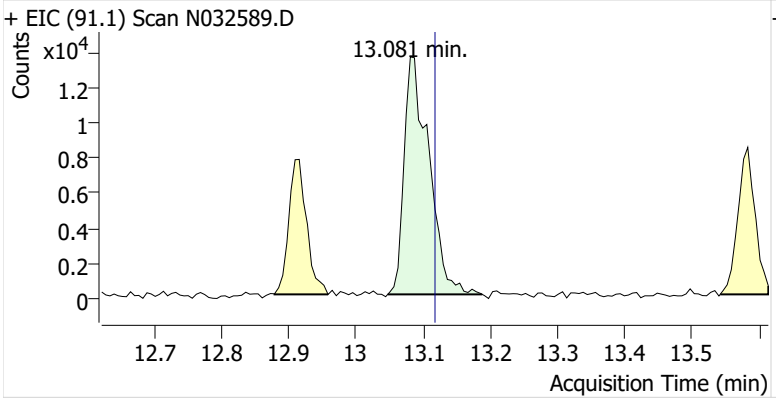


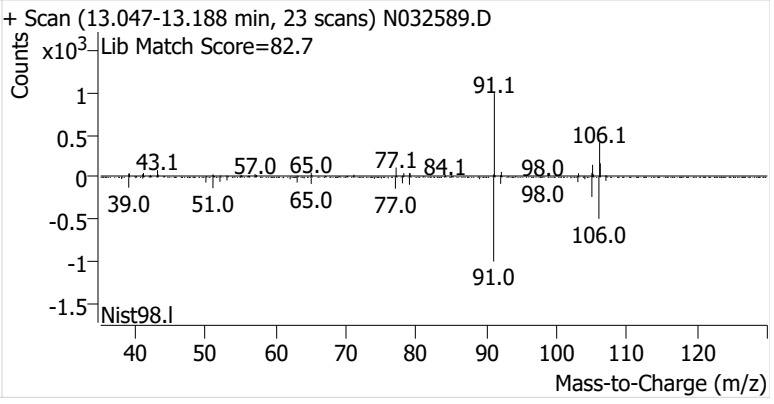
Ethylbenzene



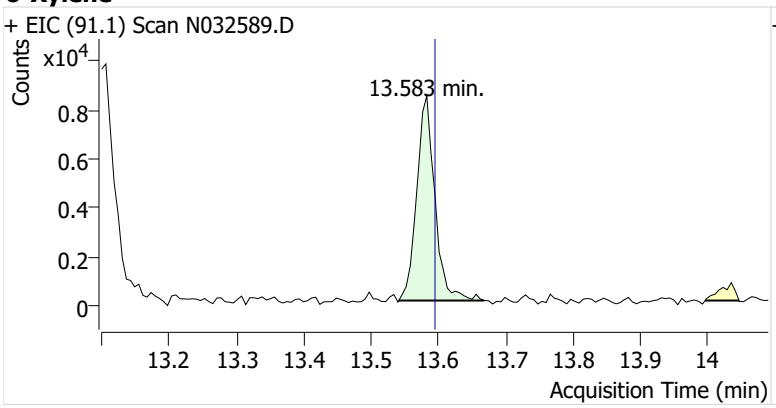


m-/p-Xylenes





o-Xylene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0.4
0.2
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13.583 min.
13.2
13.3
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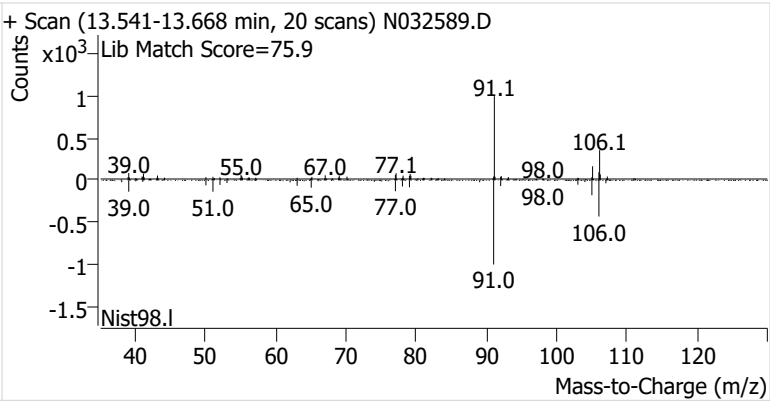
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)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Lib Match Score=75.9
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-0.5
-1
-1.5
91.1
106.1
39.0
55.0
67.0
77.1
98.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
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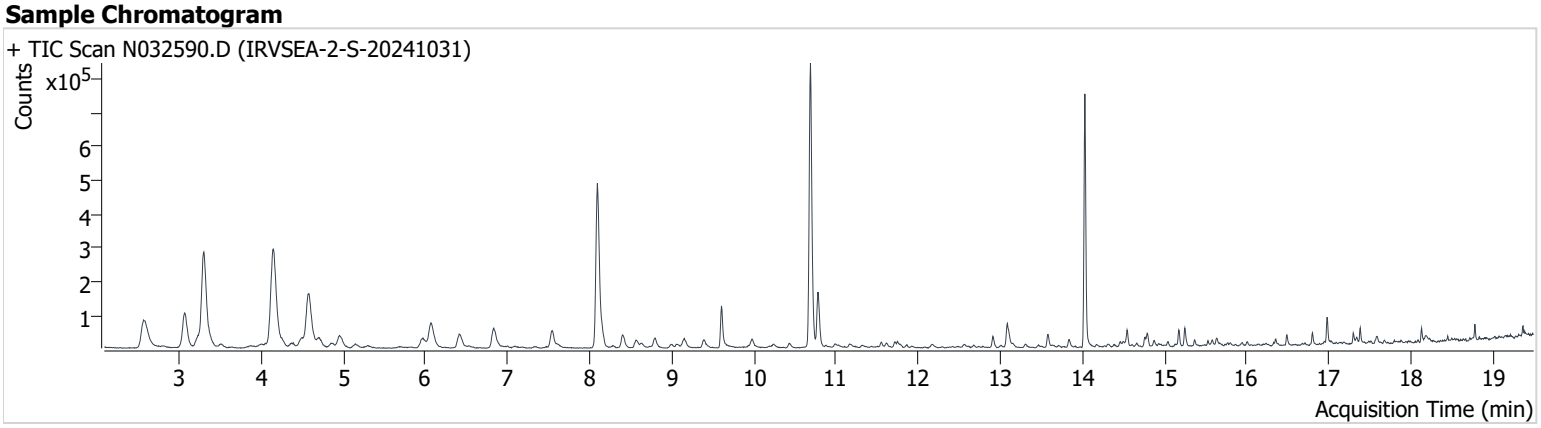
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

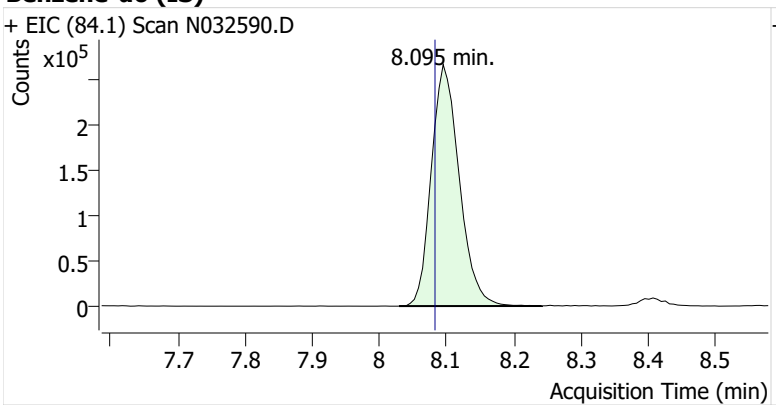
Name	IRVSEA-2-S-20241031
Comment	C38912
Data File	N032590.D
Acq. Date-Time	11/18/2024 5:48:10 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

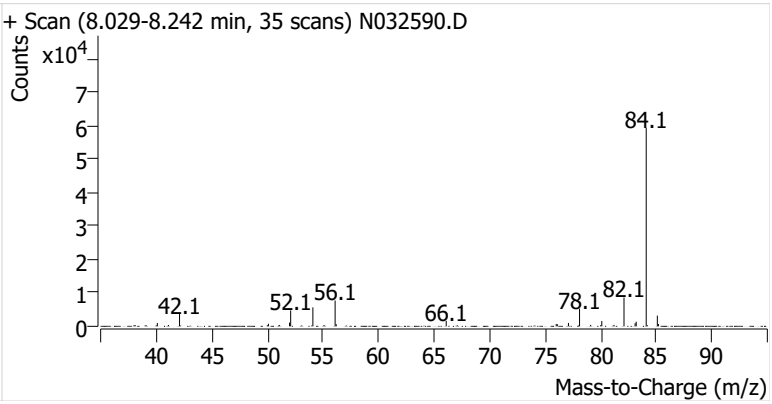
Sample Chromatogram



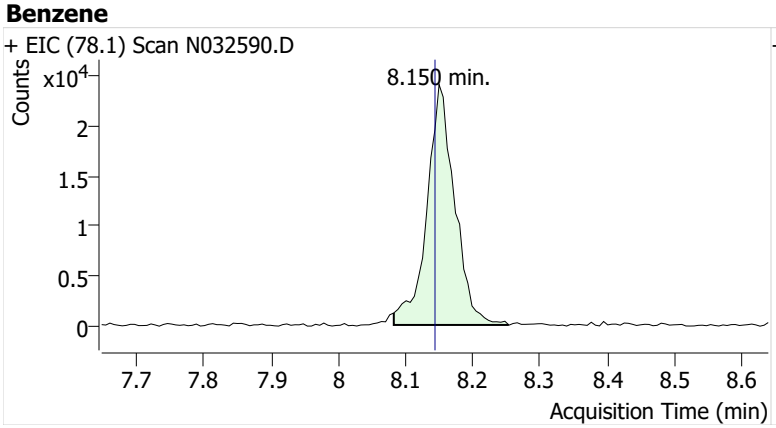
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	766,536	
Benzene	Benzene-d6 (IS)	8.150	8.144	69,115	
Toluene-d8 (IS)		10.689	10.689	746,349	
Toluene	Toluene-d8 (IS)	10.780	10.781	150,763	
Ethylbenzene	Toluene-d8 (IS)	12.909	12.922	25,032	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	65,158	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	26,806	

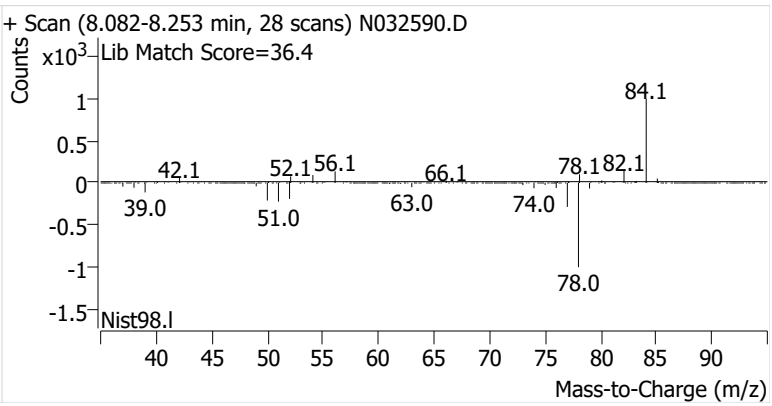
Benzene-d6 (IS)



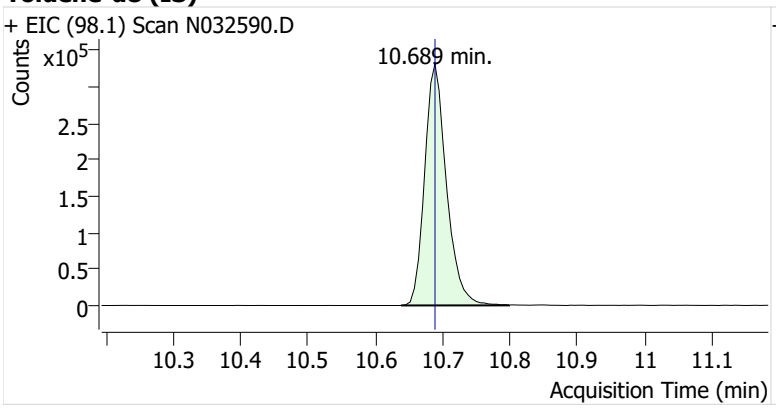


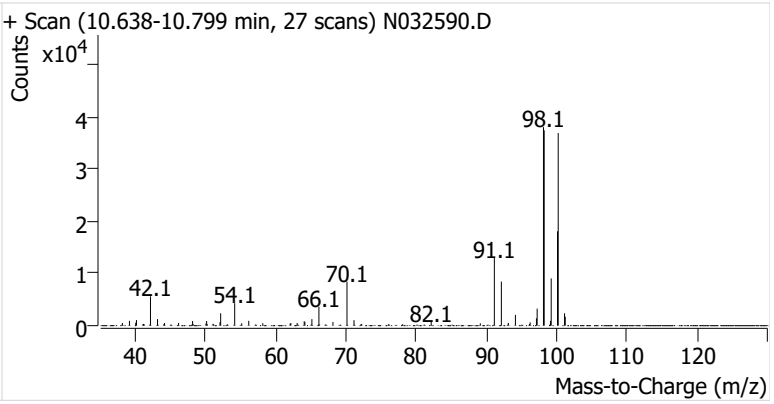
Benzene



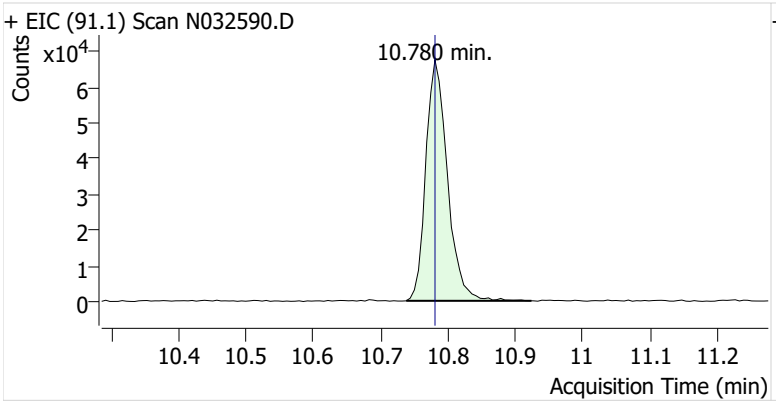


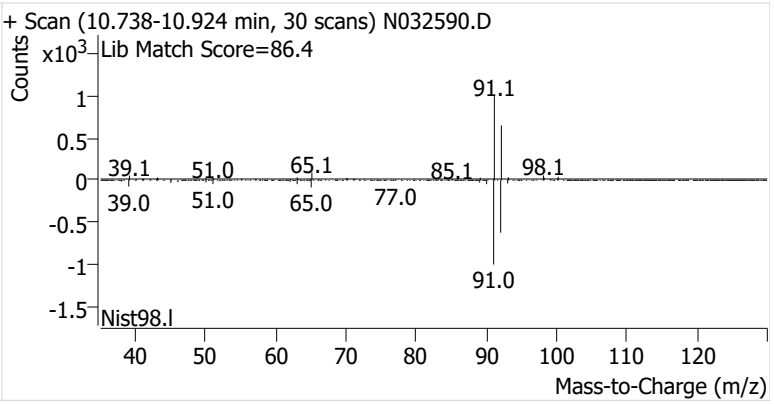
Toluene-d8 (IS)



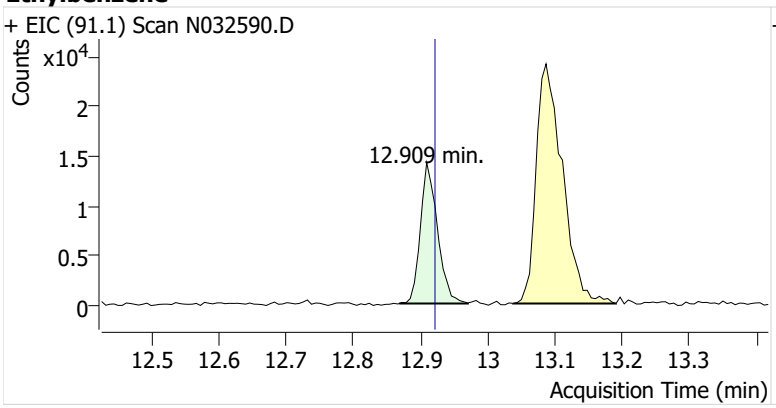


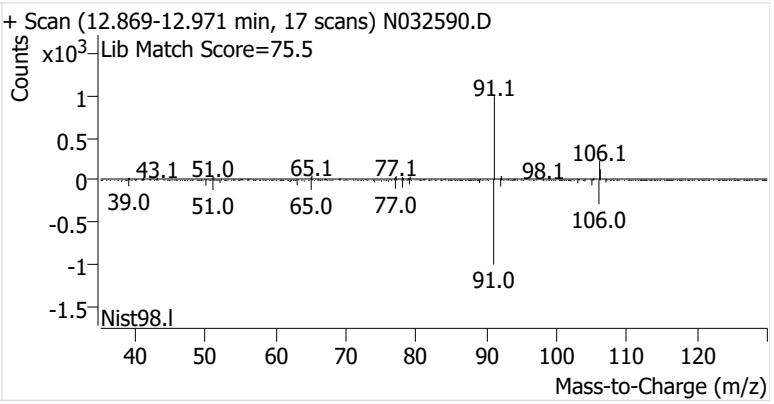
Toluene



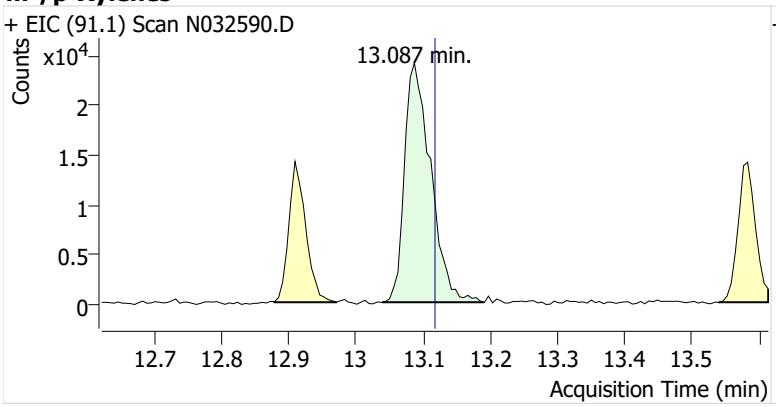


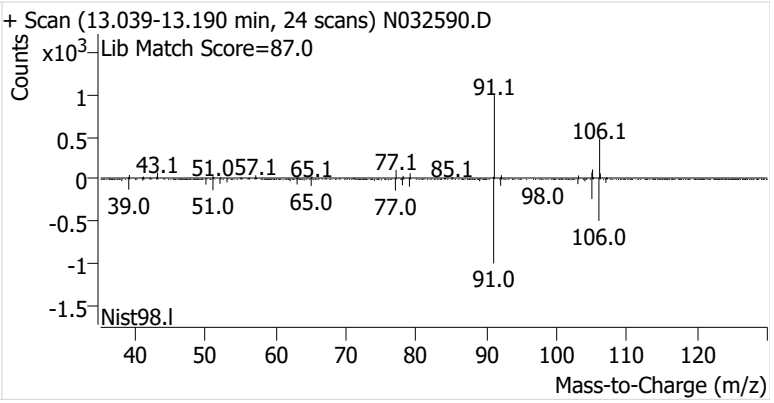
Ethylbenzene



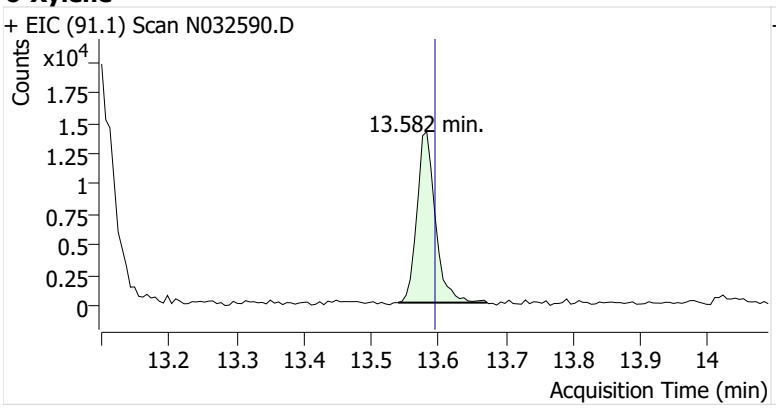


m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan N032590.D
Counts
x10^4
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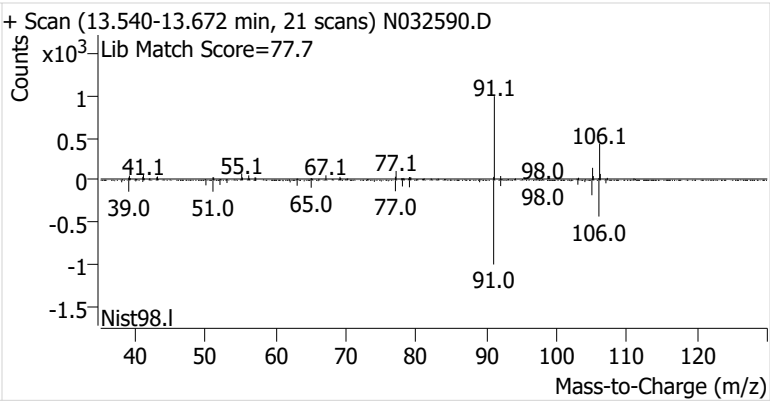
1.5
1.25
1
0.75
0.5
0.25
0
13.582 min.
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.540-13.672 min, 21 scans) N032590.D
Lib Match Score=77.7
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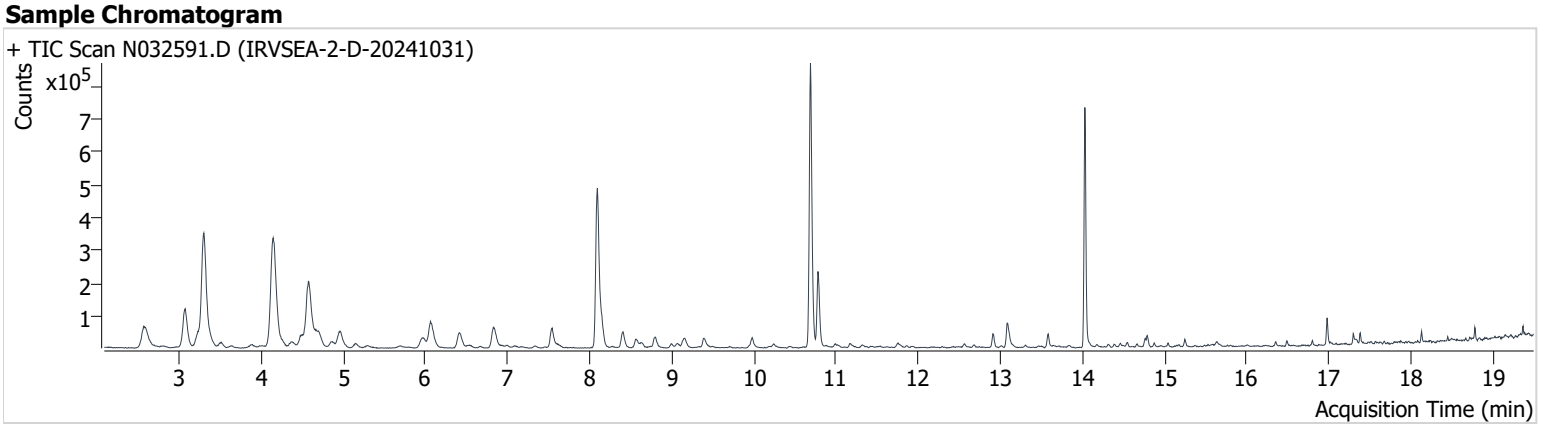
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
67.1
77.1
98.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

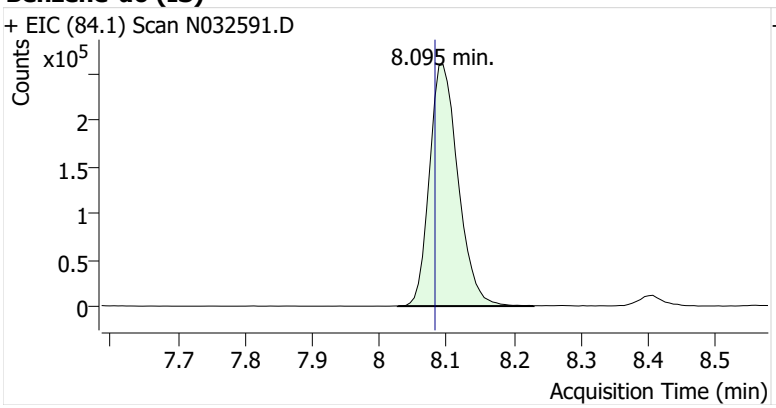
Name	IRVSEA-2-D-20241031
Comment	B49578
Data File	N032591.D
Acq. Date-Time	11/18/2024 6:28:04 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

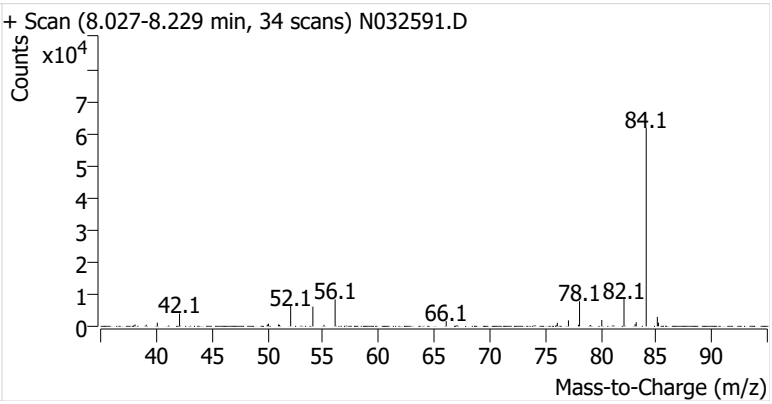
Sample Chromatogram



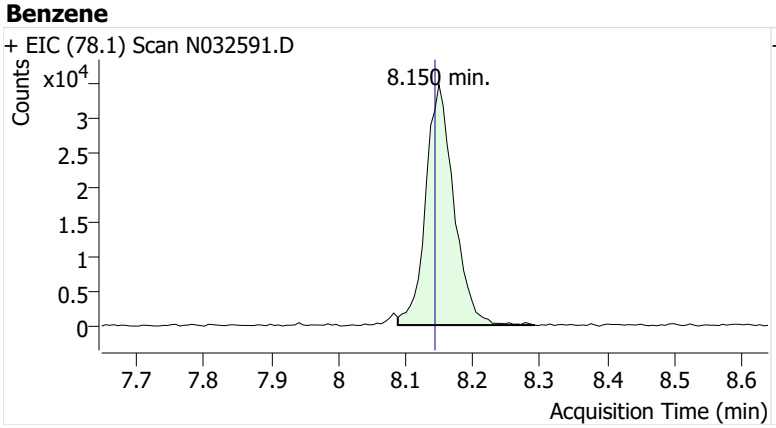
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	769,894	
Benzene	Benzene-d6 (IS)	8.150	8.144	101,313	
Toluene-d8 (IS)		10.689	10.689	754,842	
Toluene	Toluene-d8 (IS)	10.780	10.781	214,605	
Ethylbenzene	Toluene-d8 (IS)	12.909	12.922	34,110	
m-/p-Xylenes	Toluene-d8 (IS)	13.093	13.118	68,666	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	28,303	

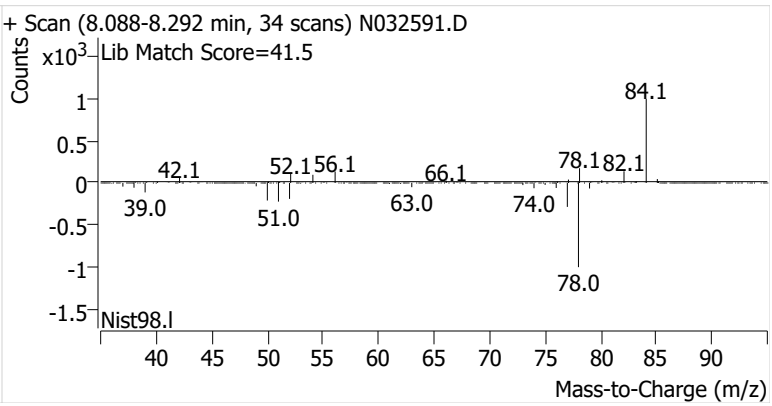
Benzene-d6 (IS)



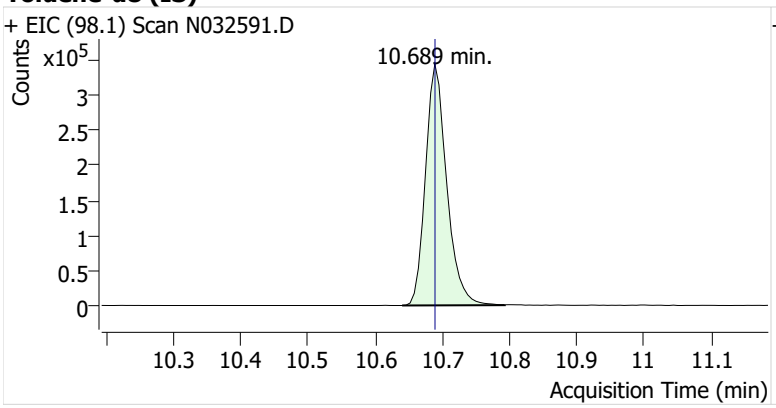


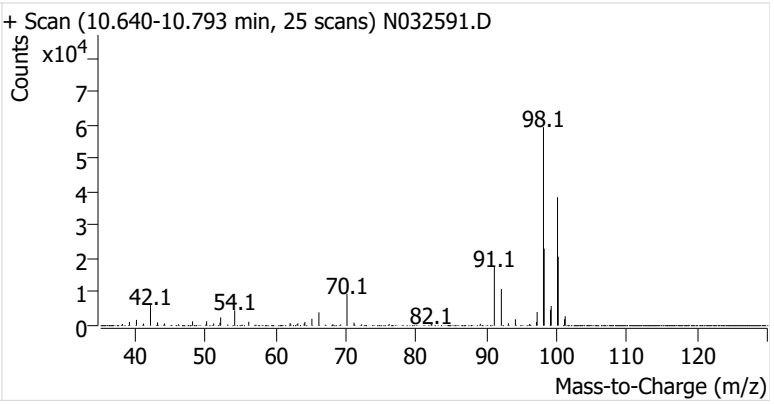
Benzene



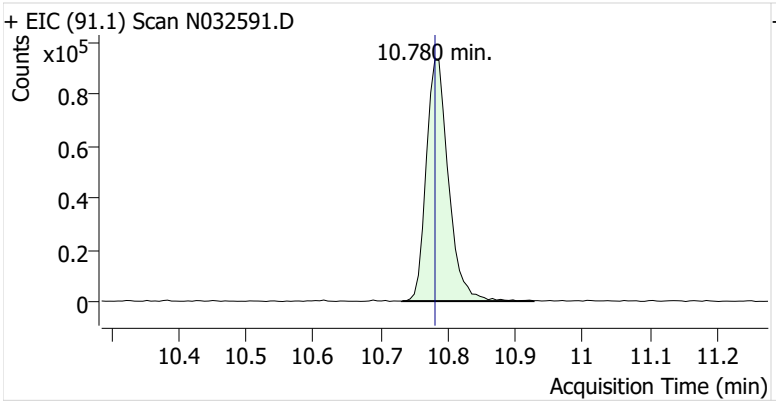


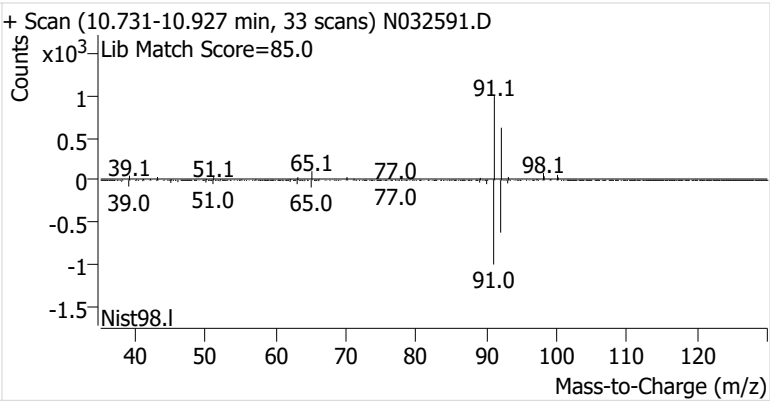
Toluene-d8 (IS)



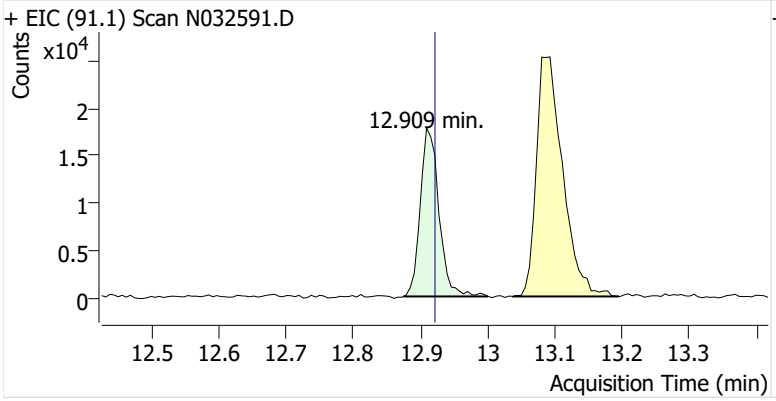


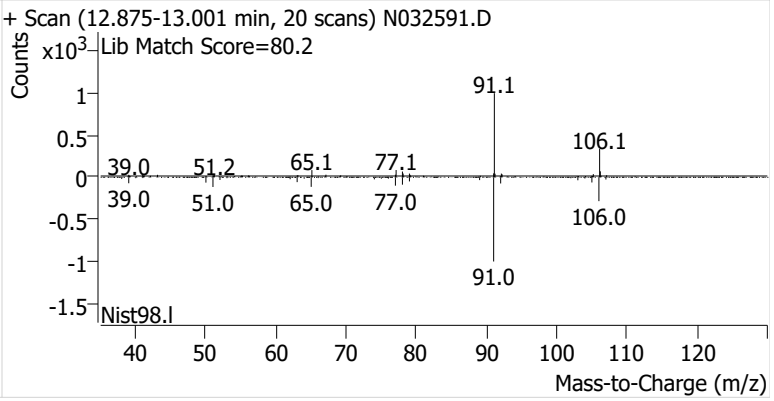
Toluene



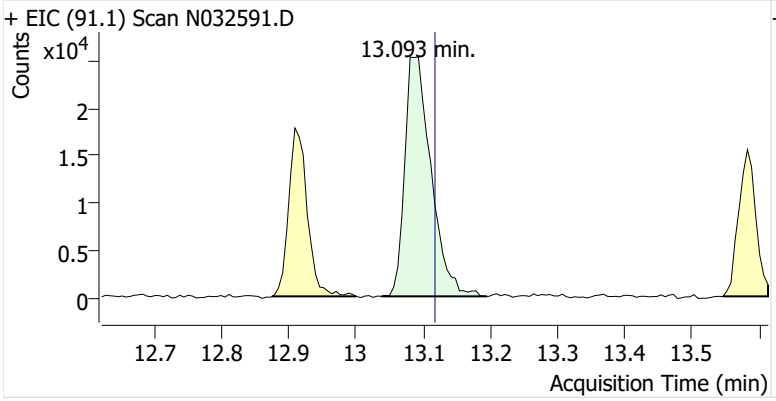


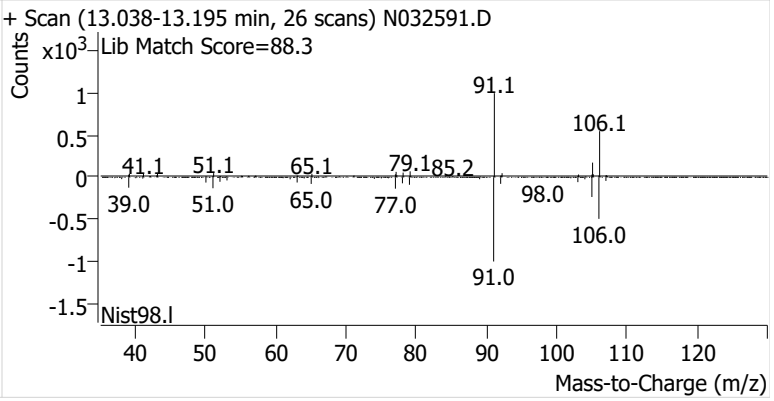
Ethylbenzene



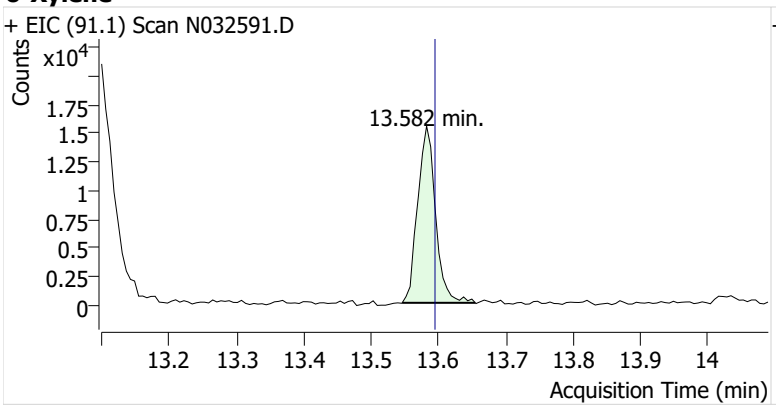


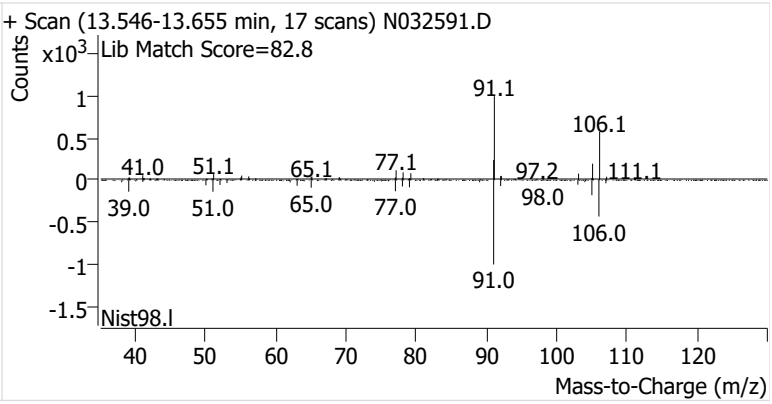
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan N032591.D
Counts
x10^4
1.75
1.5
1.25
1
0.75
0.5
0.25
0
13.582 min.
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)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Lib Match Score=82.8
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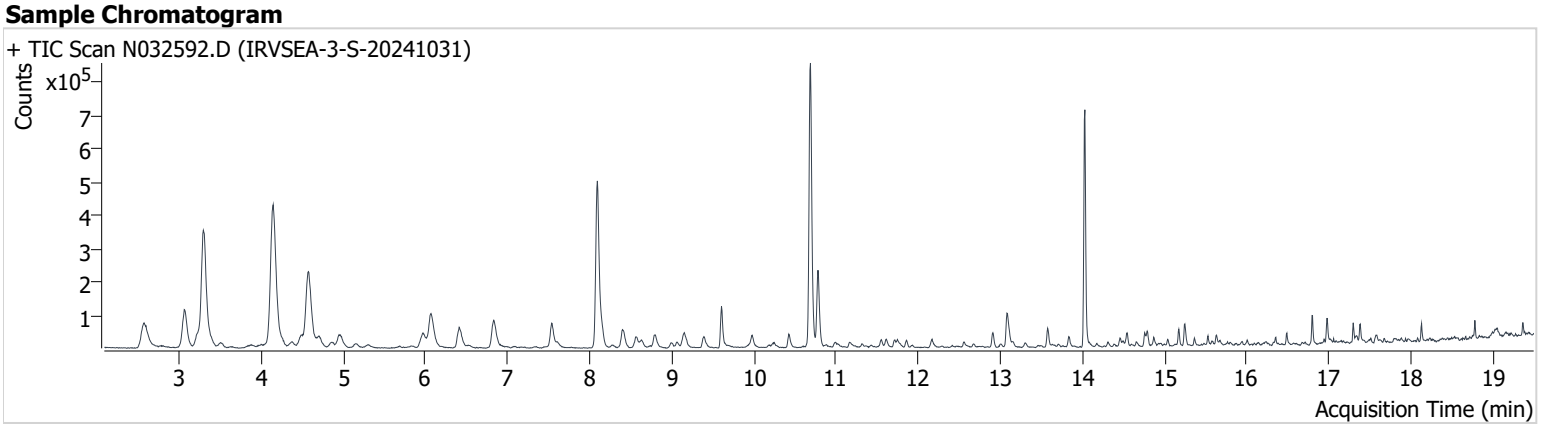
0
-0.5
-1
-1.5
91.1
106.1
41.0
51.1
65.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

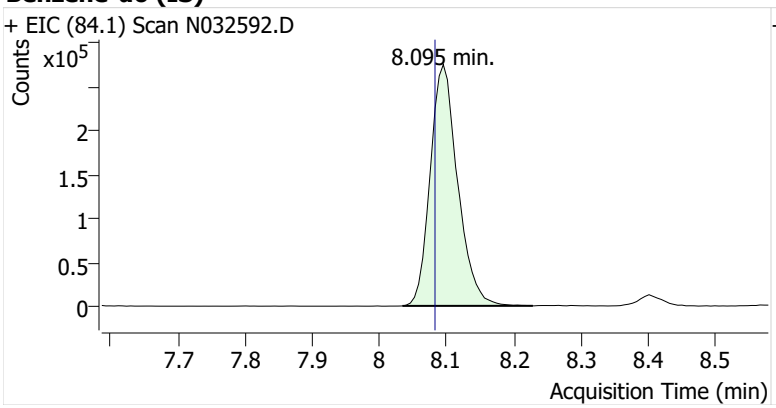
Name	IRVSEA-3-S-20241031
Comment	C39291
Data File	N032592.D
Acq. Date-Time	11/18/2024 7:08:00 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

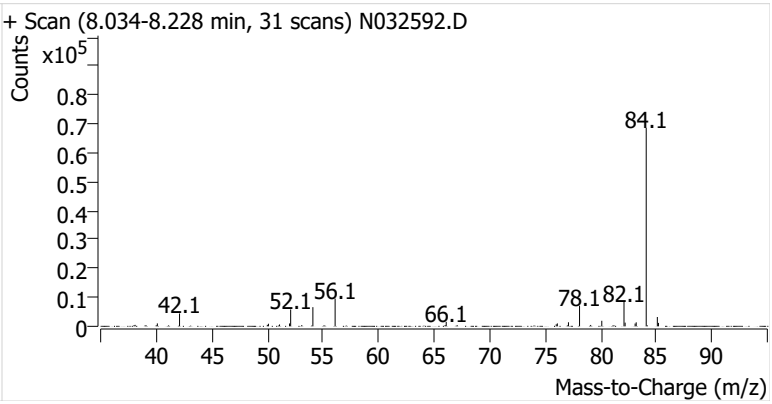
Sample Chromatogram



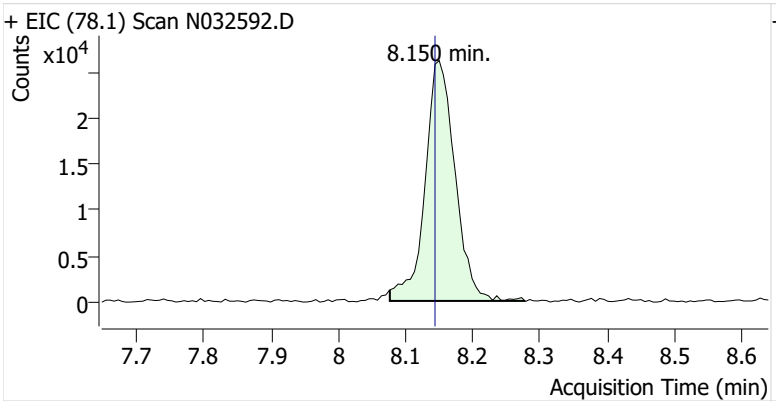
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	780,915	
Benzene	Benzene-d6 (IS)	8.150	8.144	81,178	
Toluene-d8 (IS)		10.689	10.689	772,508	
Toluene	Toluene-d8 (IS)	10.781	10.781	206,513	
Ethylbenzene	Toluene-d8 (IS)	12.910	12.922	36,512	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	98,150	
o-Xylene	Toluene-d8 (IS)	13.576	13.595	38,284	

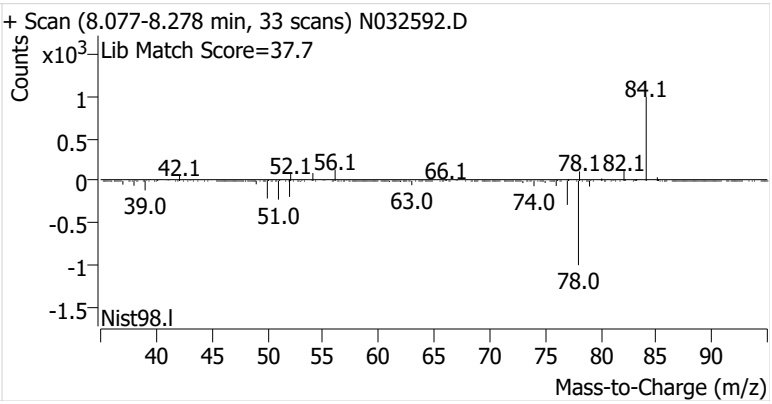
Benzene-d6 (IS)



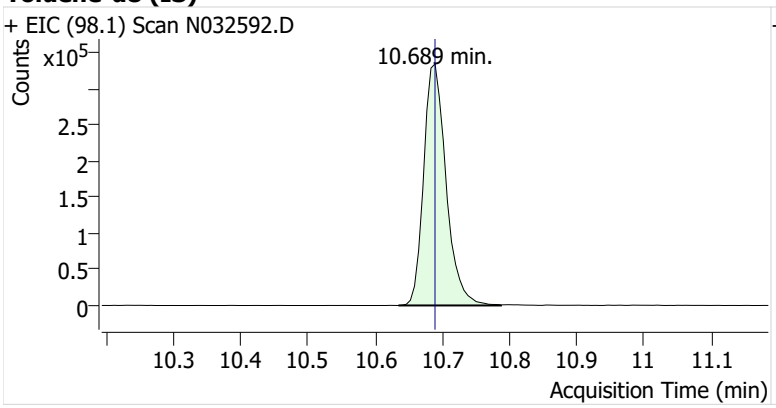


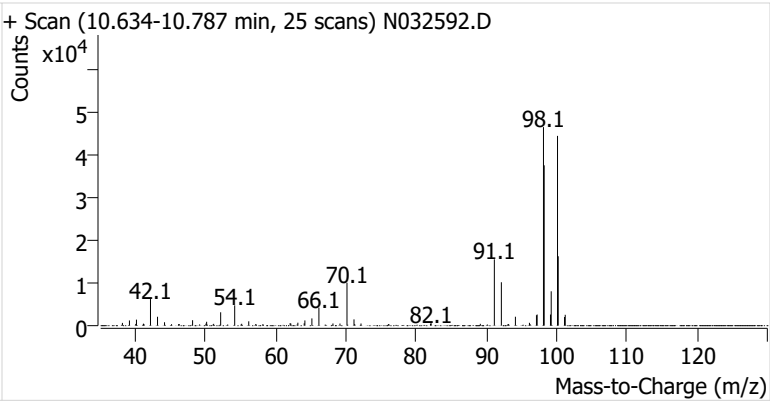
Benzene



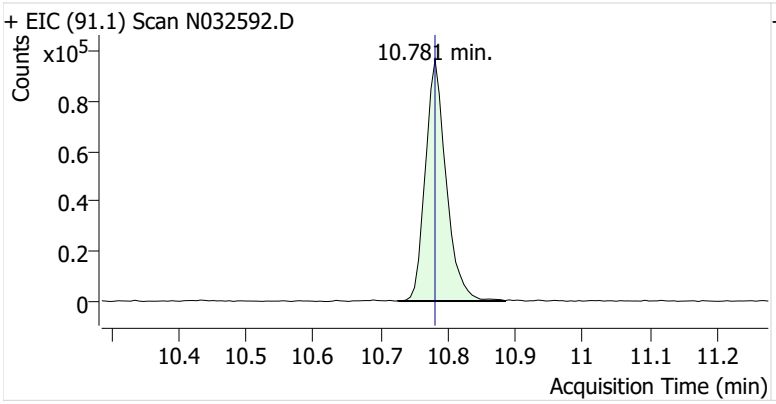


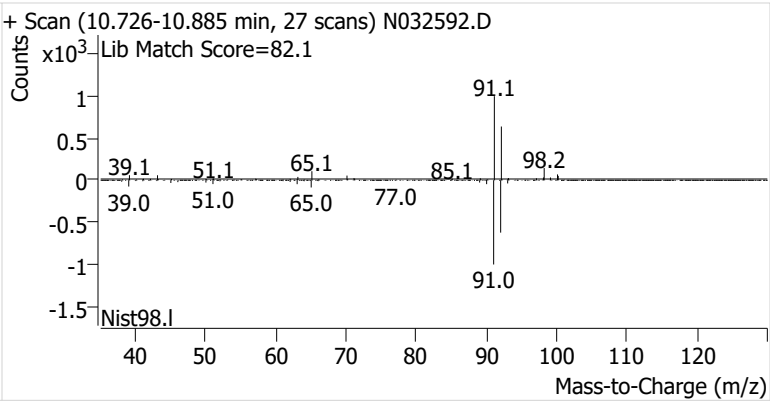
Toluene-d8 (IS)



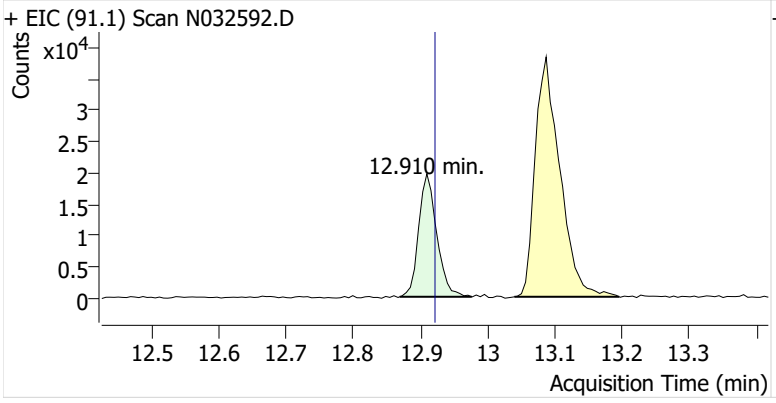


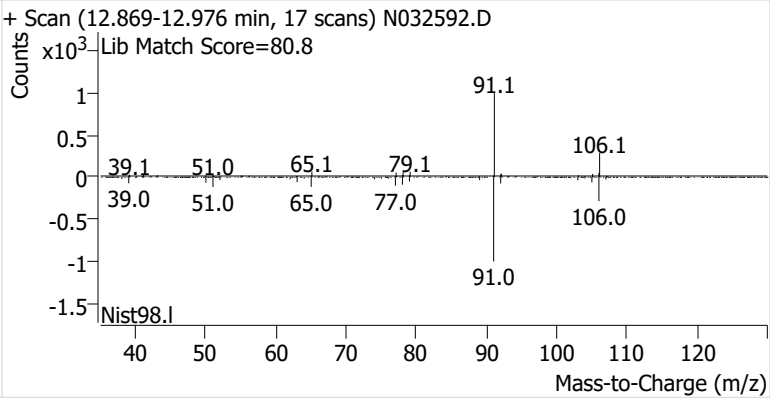
Toluene



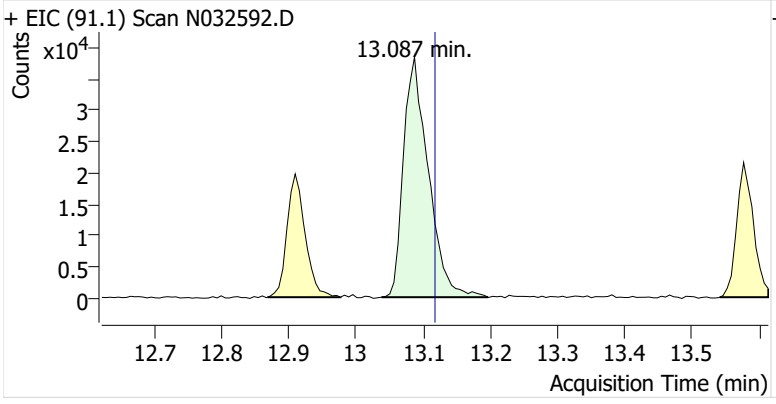


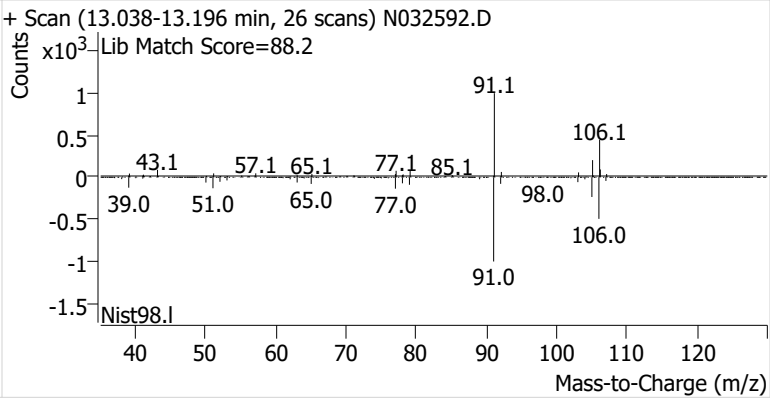
Ethylbenzene



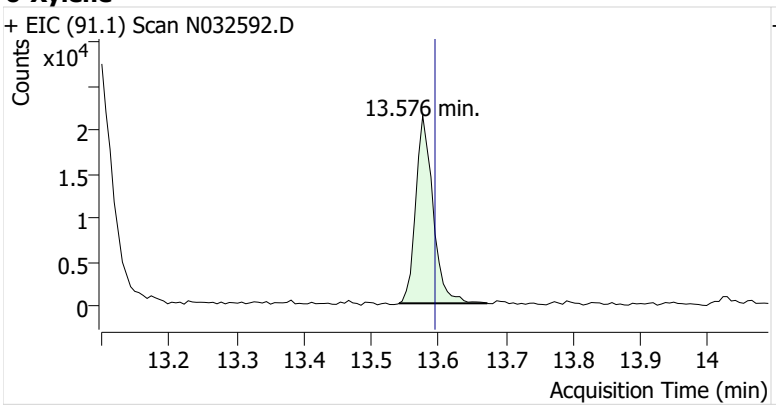


m-/p-Xylenes





o-Xylene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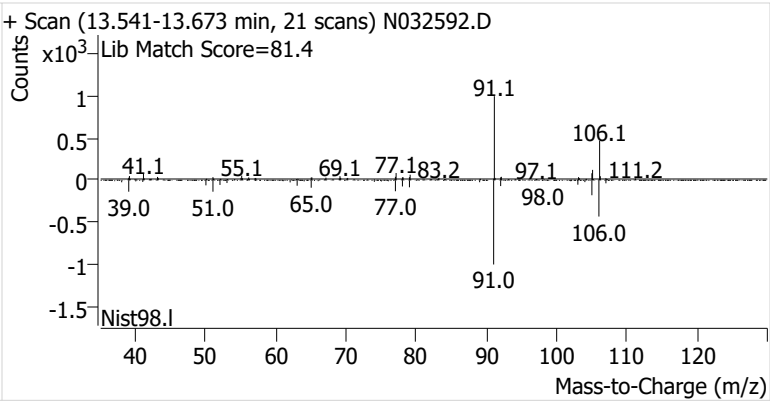
Acquisition Time (min)


+ Scan (13.541-13.673 min, 21 scans) N032592.D
Lib Match Score=81.4
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x10^3
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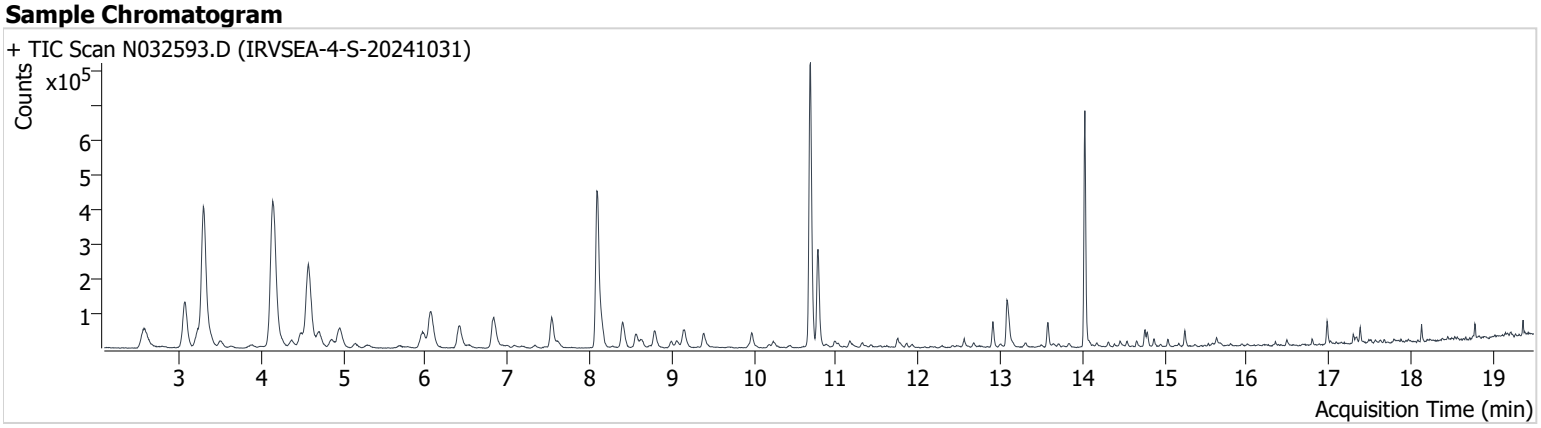
106.1
41.1
55.1
69.1
77.1
83.2
97.1
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

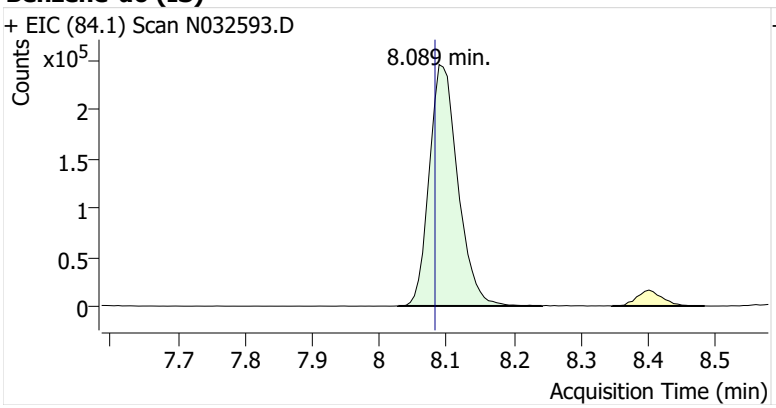
Name	IRVSEA-4-S-20241031
Comment	B28078
Data File	N032593.D
Acq. Date-Time	11/18/2024 7:47:54 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

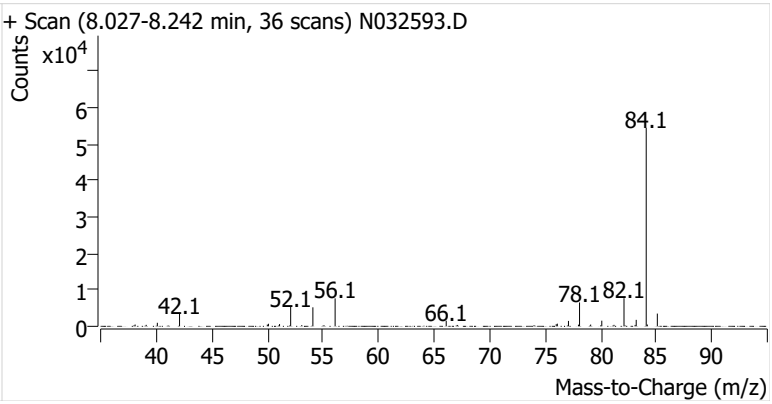
Sample Chromatogram



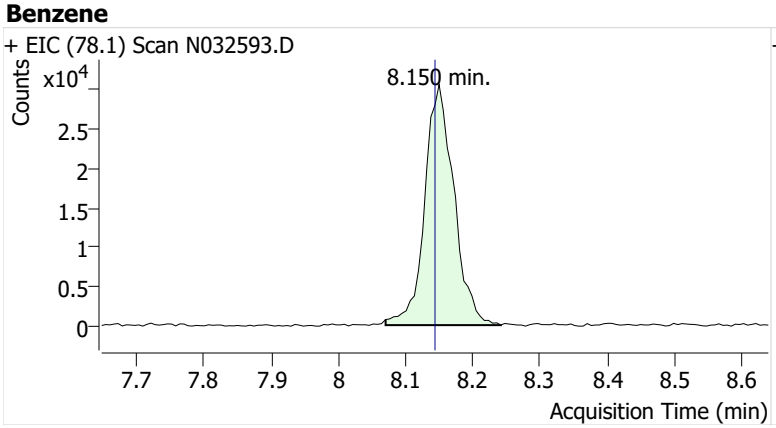
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.089	8.083	725,995	
Benzene	Benzene-d6 (IS)	8.150	8.144	92,146	
Toluene-d8 (IS)		10.689	10.689	731,401	
Toluene	Toluene-d8 (IS)	10.780	10.781	262,376	
Ethylbenzene	Toluene-d8 (IS)	12.909	12.922	55,097	
m-/p-Xylenes	Toluene-d8 (IS)	13.081	13.118	132,518	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	47,317	

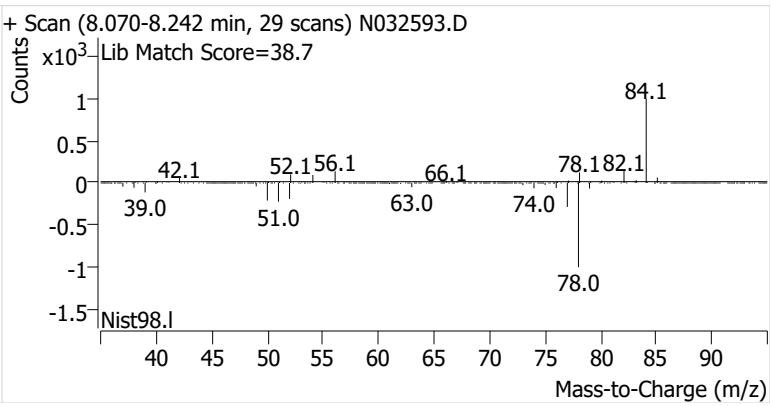
Benzene-d6 (IS)



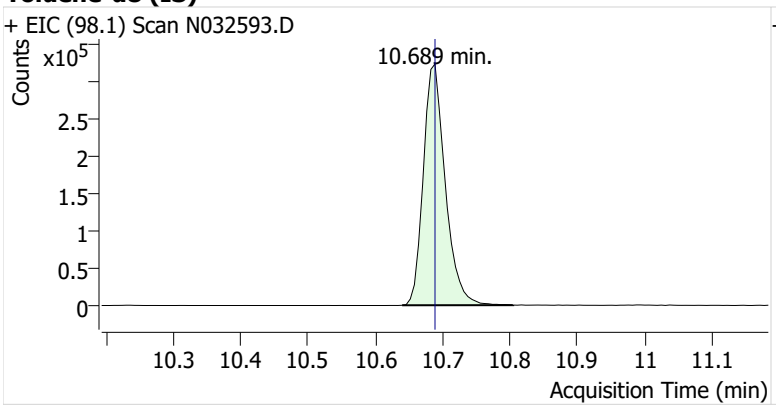


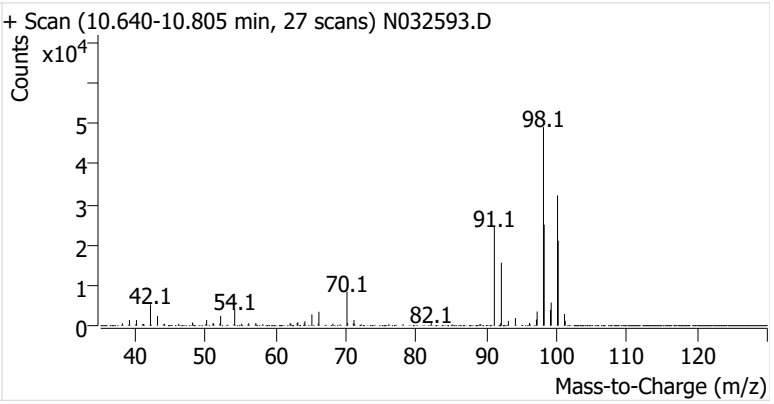
Benzene



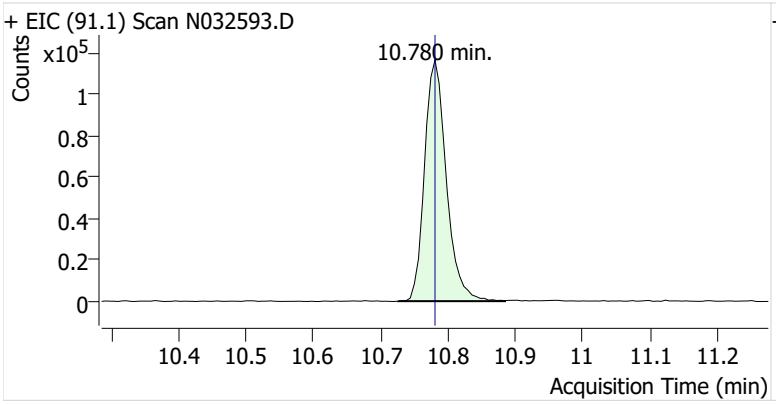


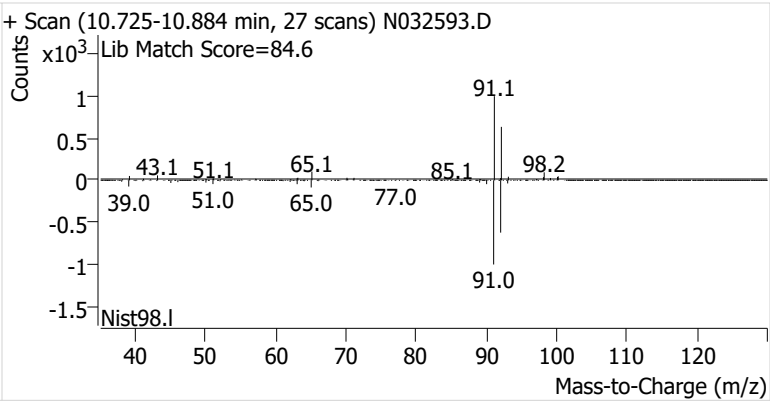
Toluene-d8 (IS)



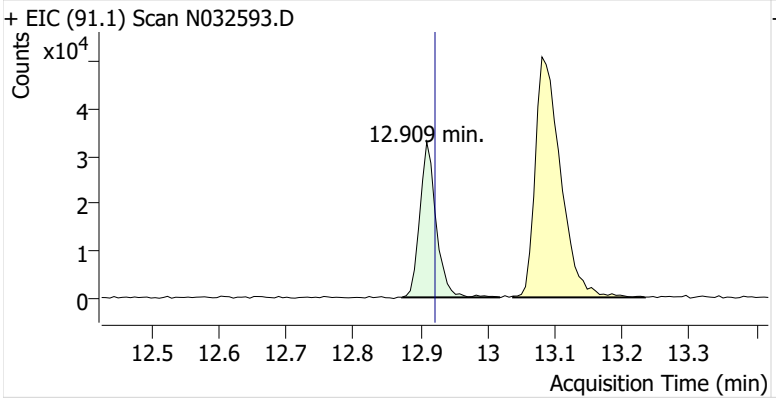


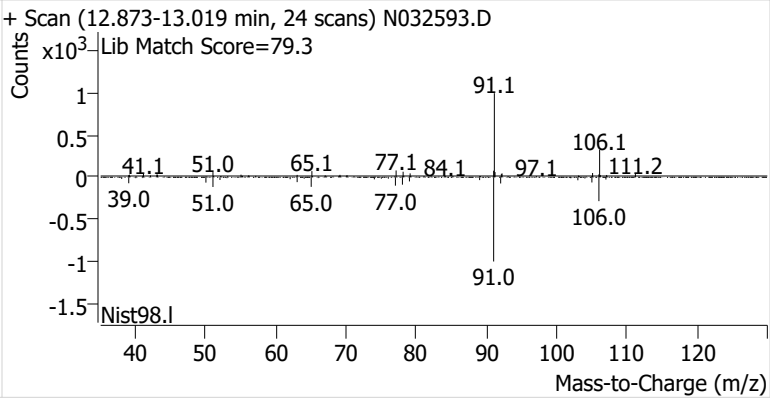
Toluene



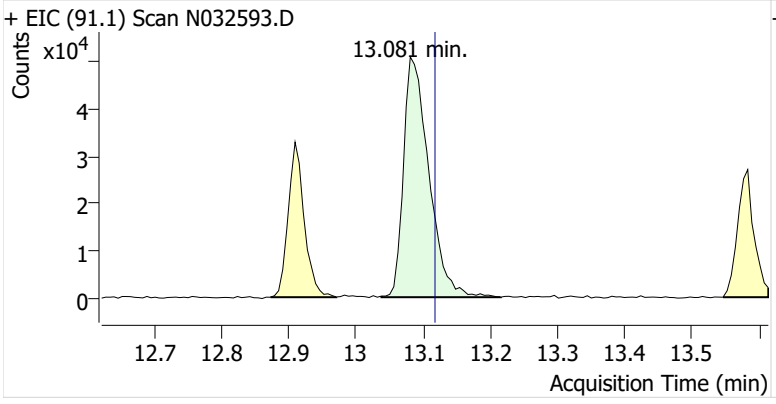


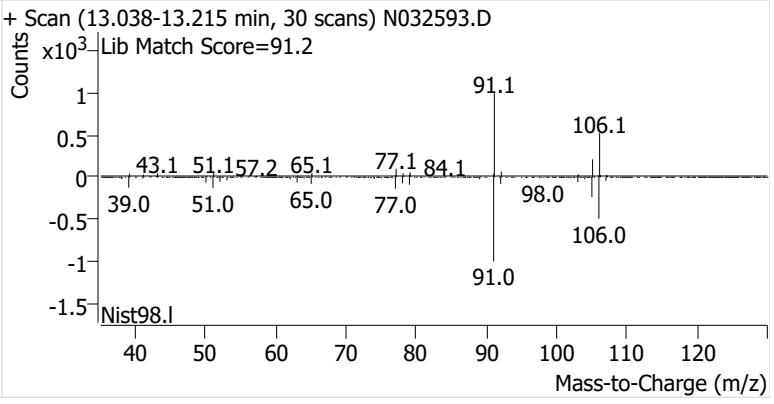
Ethylbenzene



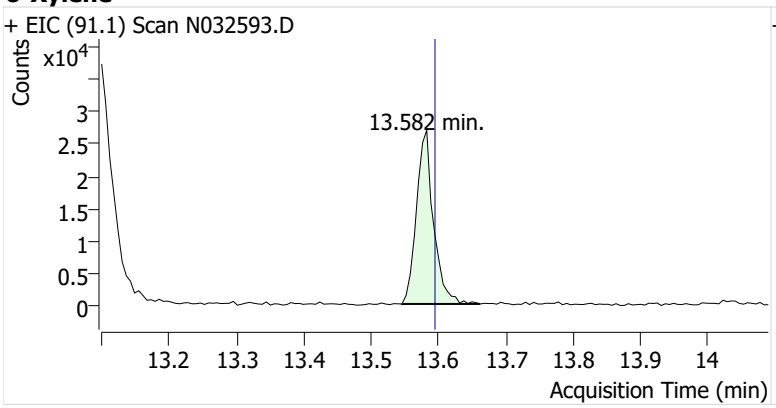


m-/p-Xylenes





o-Xylene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Counts
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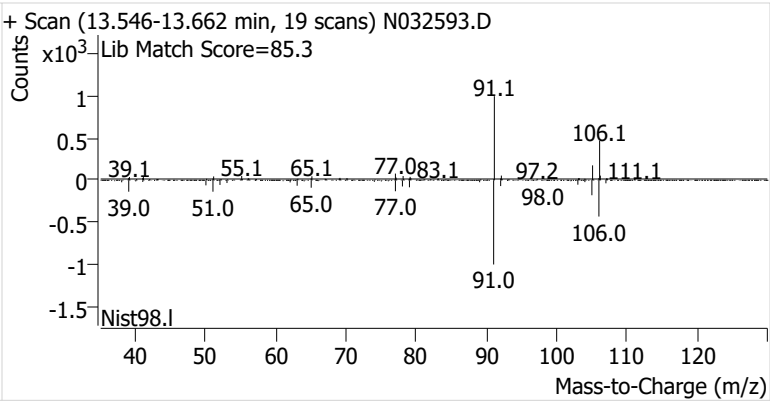
13.582 min.
Acquisition Time (min)


+ Scan (13.546-13.662 min, 19 scans) N032593.D
Counts
x10^3
Lib Match Score=85.3
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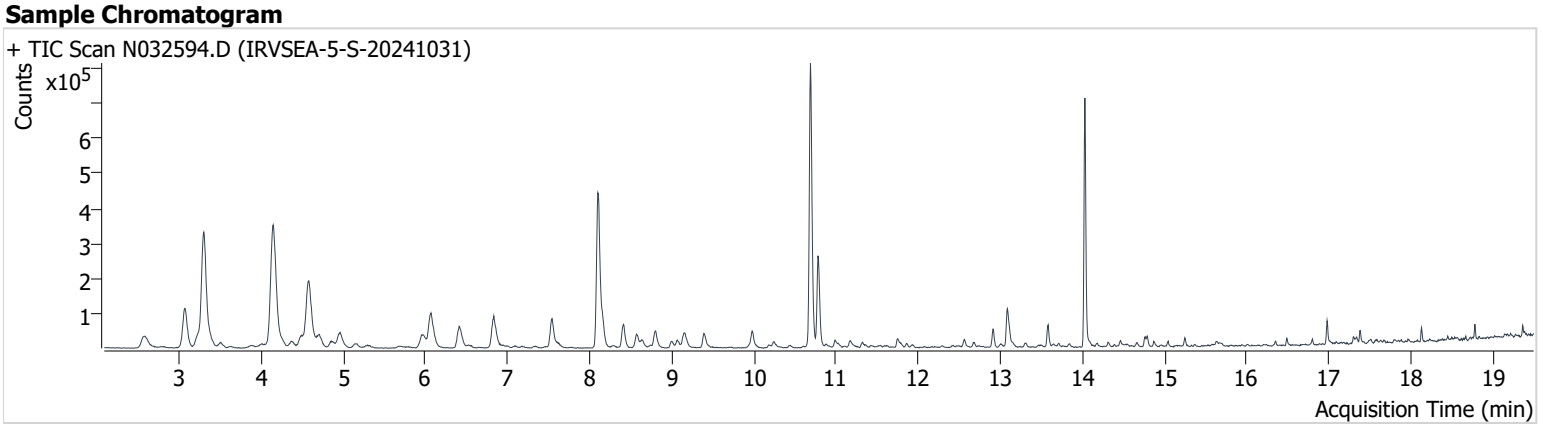
106.1
39.1
55.1
65.1
77.0
83.1
97.2
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

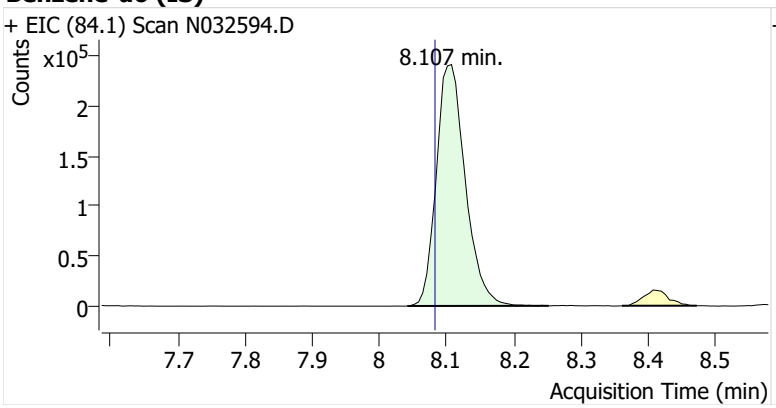
Name	IRVSEA-5-S-20241031
Comment	B47908
Data File	N032594.D
Acq. Date-Time	11/18/2024 8:27:48 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

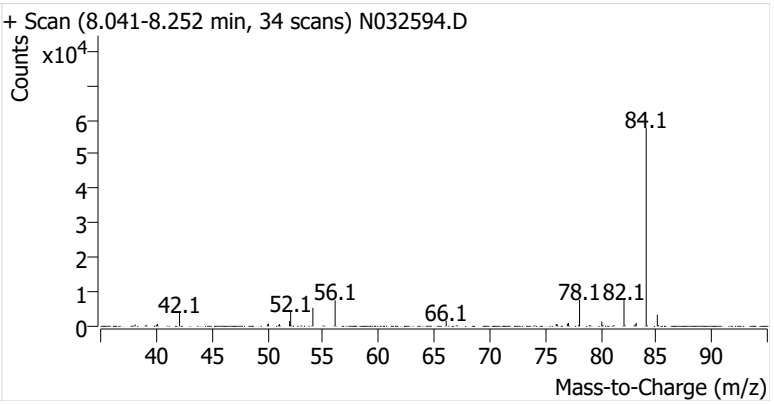
Sample Chromatogram



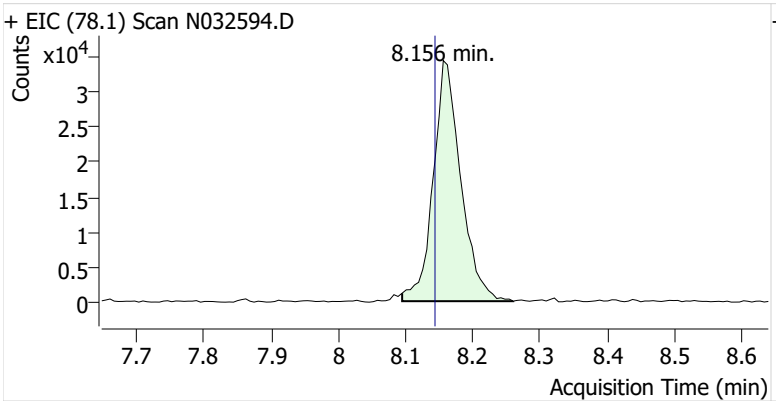
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.107	8.083	721,383	
Benzene	Benzene-d6 (IS)	8.156	8.144	98,234	
Toluene-d8 (IS)		10.689	10.689	717,435	
Toluene	Toluene-d8 (IS)	10.781	10.781	243,794	
Ethylbenzene	Toluene-d8 (IS)	12.916	12.922	41,166	
m-/p-Xylenes	Toluene-d8 (IS)	13.081	13.118	101,734	
o-Xylene	Toluene-d8 (IS)	13.583	13.595	42,848	

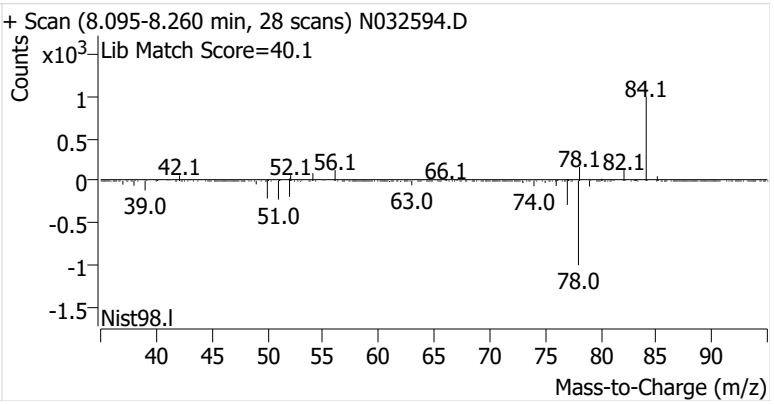
Benzene-d6 (IS)



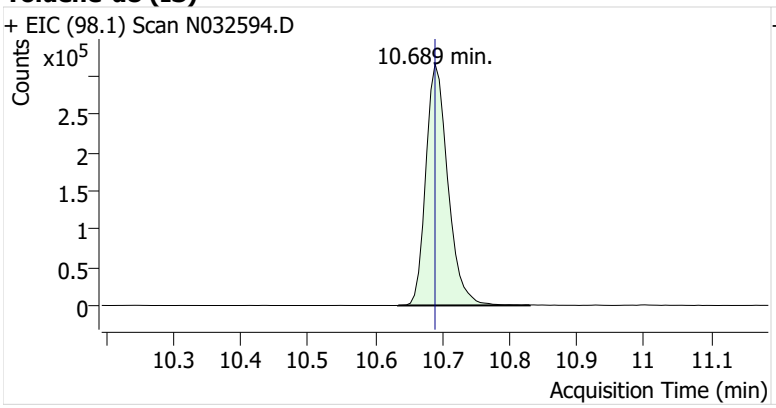


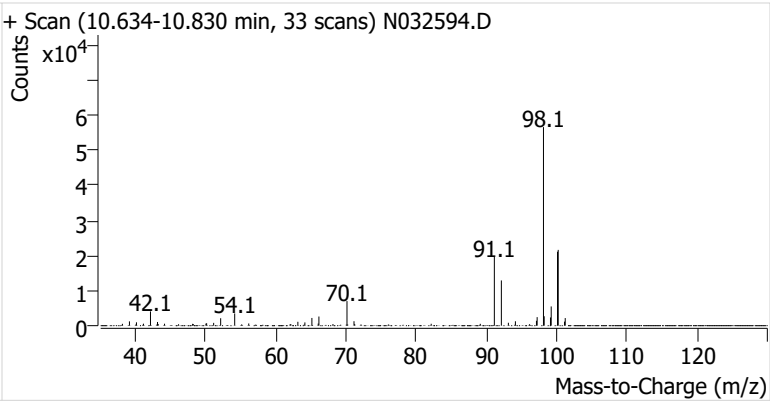
Benzene



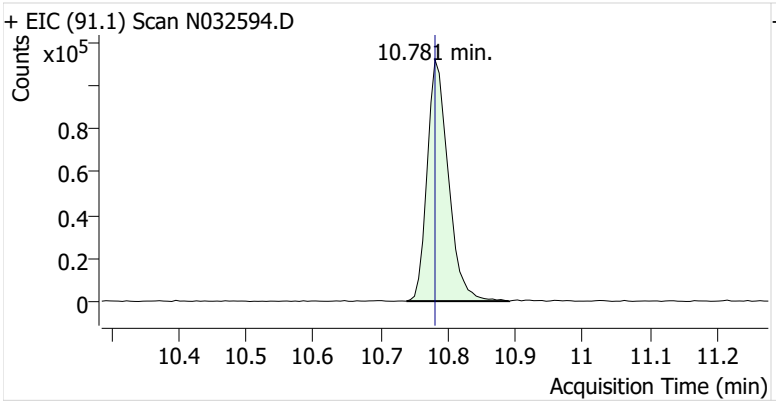


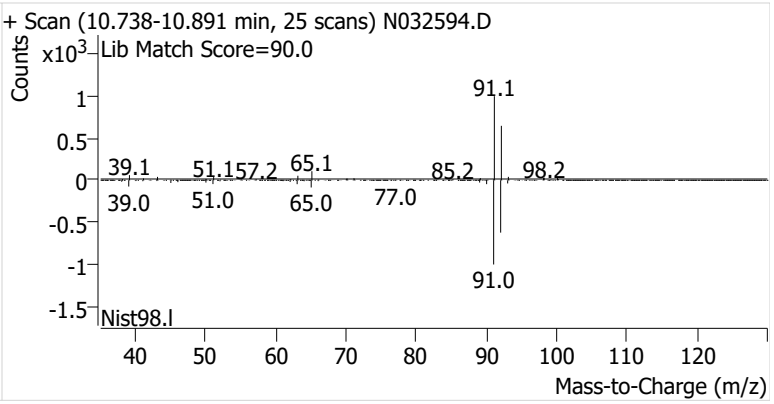
Toluene-d8 (IS)



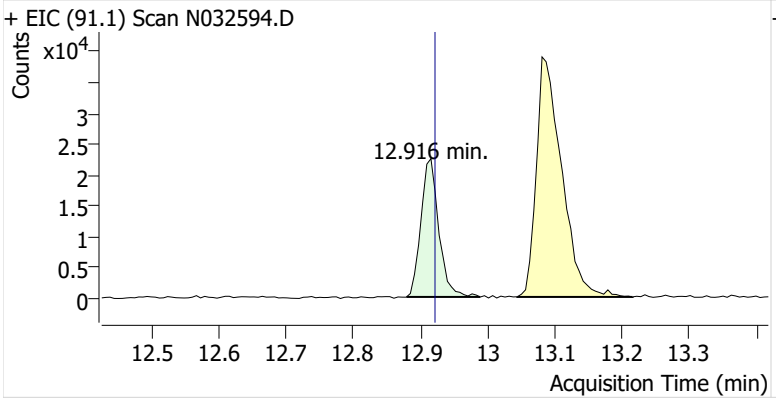


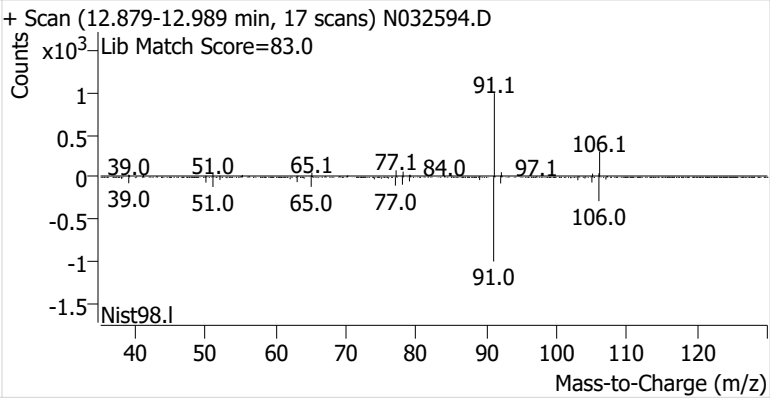
Toluene



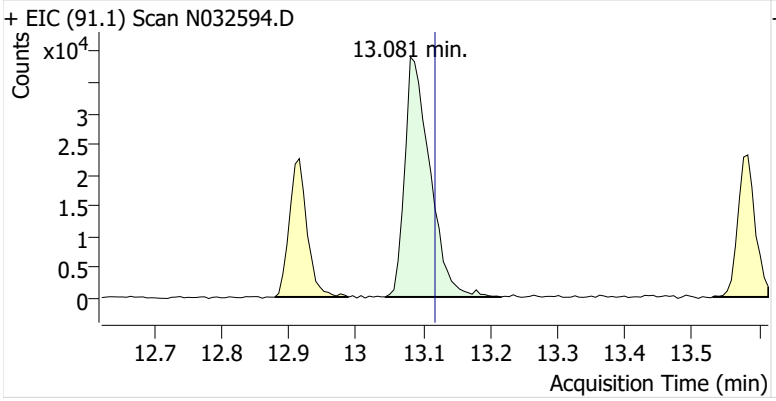


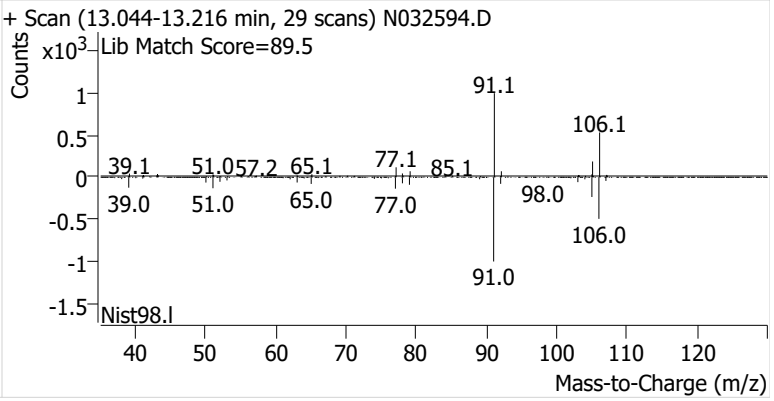
Ethylbenzene



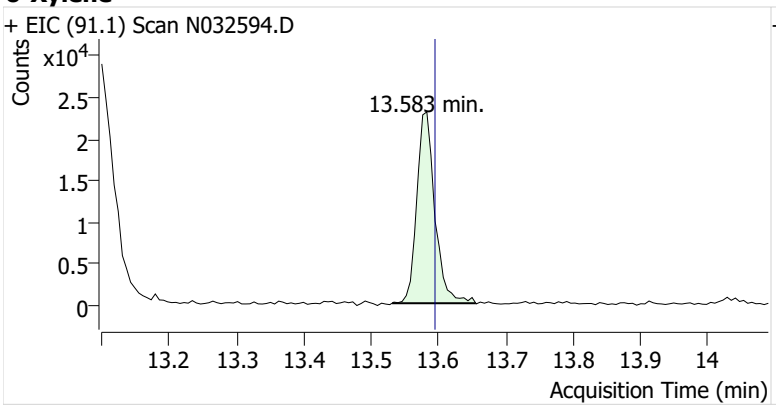


m-/p-Xylenes





o-Xylene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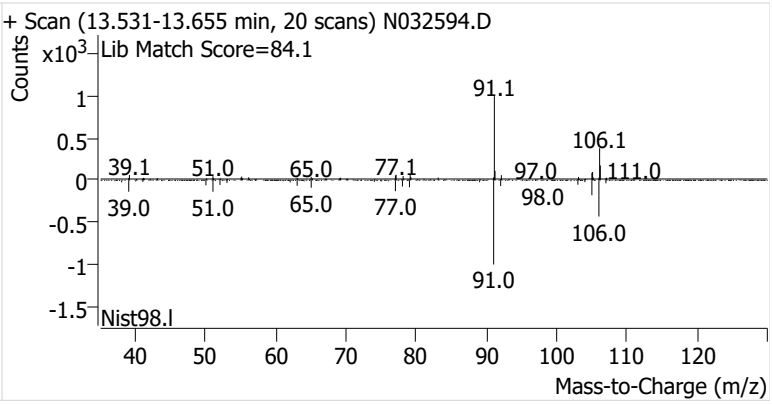
1.5
1
0.5
0
13.583 min.
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.531-13.655 min, 20 scans) N032594.D
Lib Match Score=84.1
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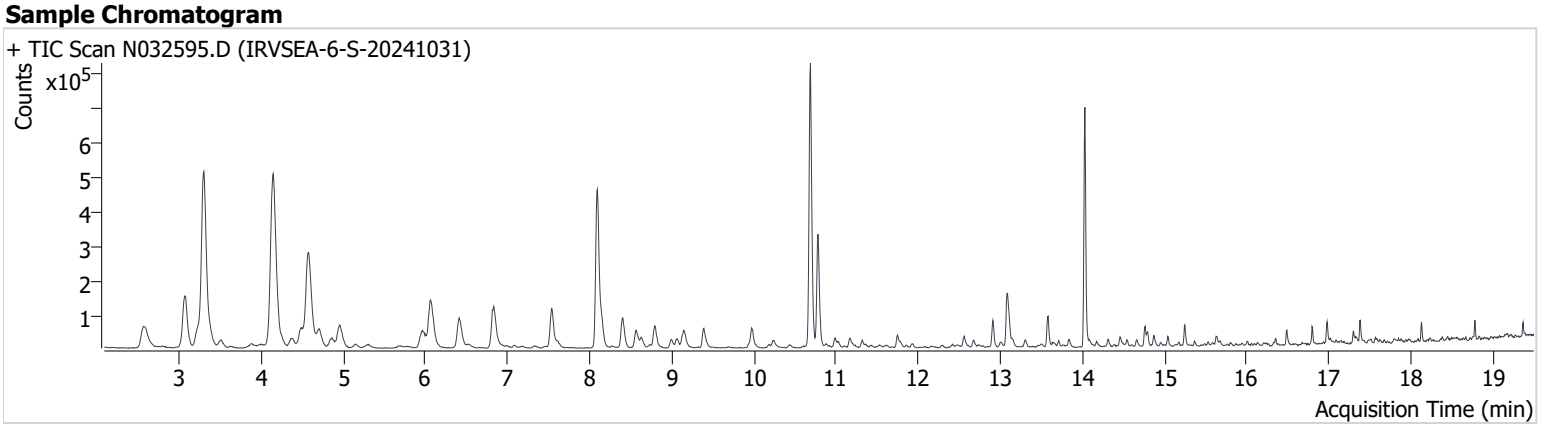
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.0
65.0
77.1
97.0
111.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

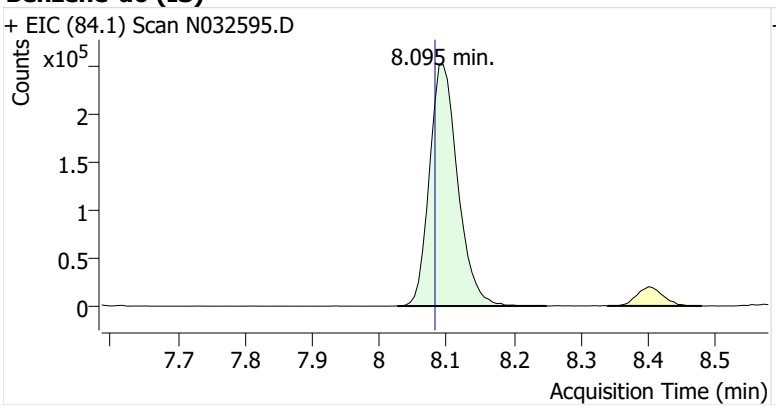
Name	IRVSEA-6-S-20241031
Comment	C32874
Data File	N032595.D
Acq. Date-Time	11/18/2024 9:07:43 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

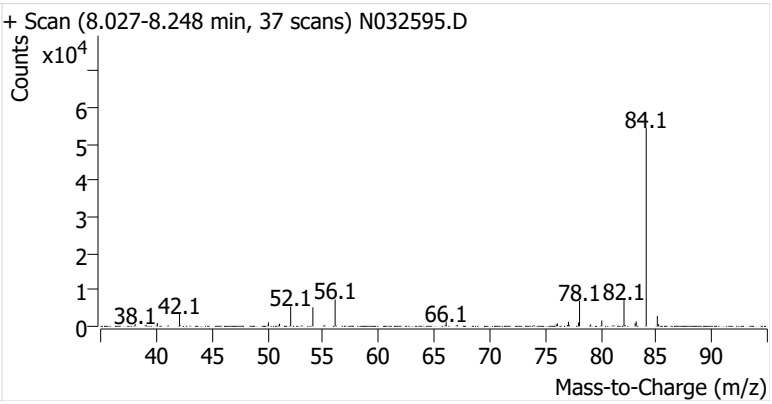
Sample Chromatogram



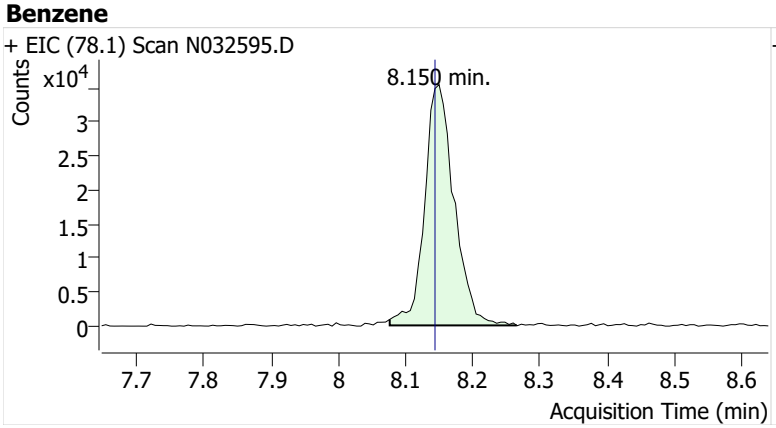
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	739,319	
Benzene	Benzene-d6 (IS)	8.150	8.144	108,347	
Toluene-d8 (IS)		10.689	10.689	736,381	
Toluene	Toluene-d8 (IS)	10.780	10.781	309,748	
Ethylbenzene	Toluene-d8 (IS)	12.909	12.922	60,744	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	155,012	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	64,192	

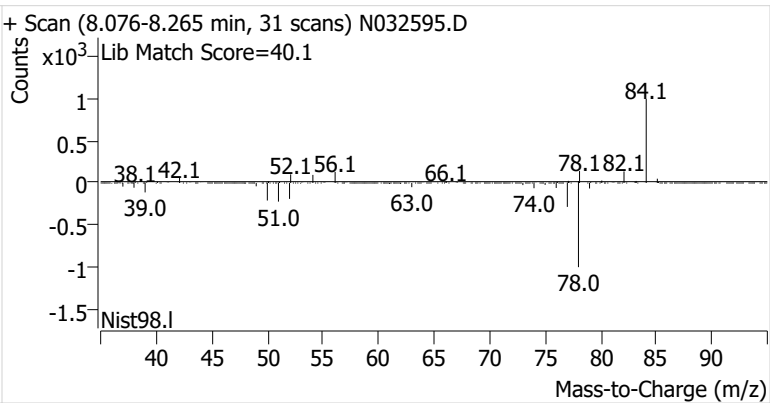
Benzene-d6 (IS)



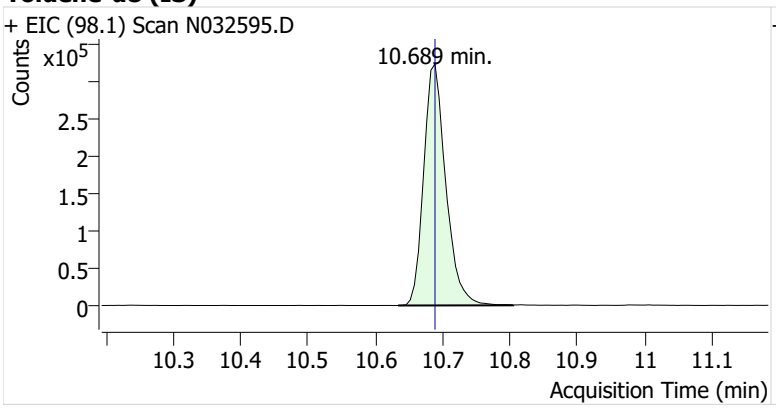


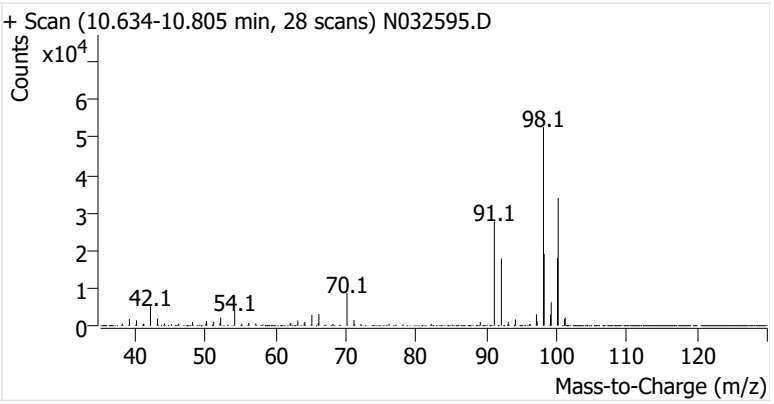
Benzene



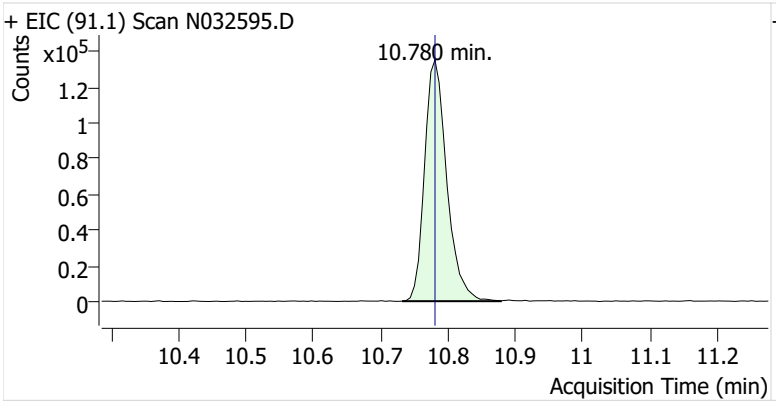


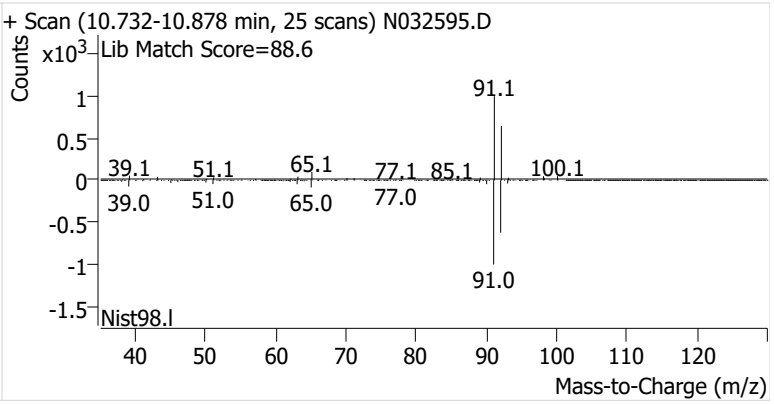
Toluene-d8 (IS)



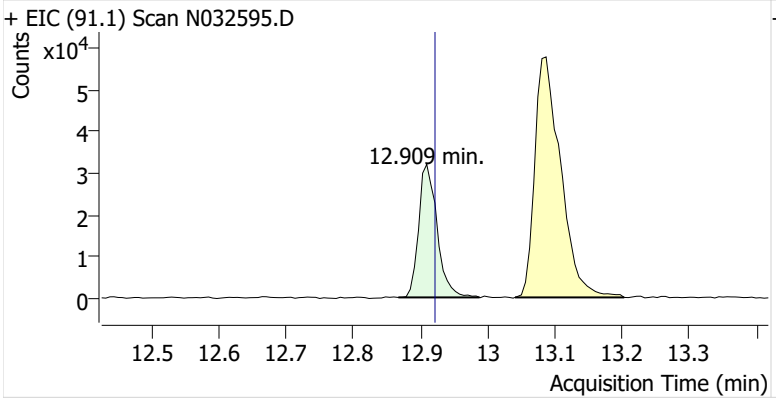


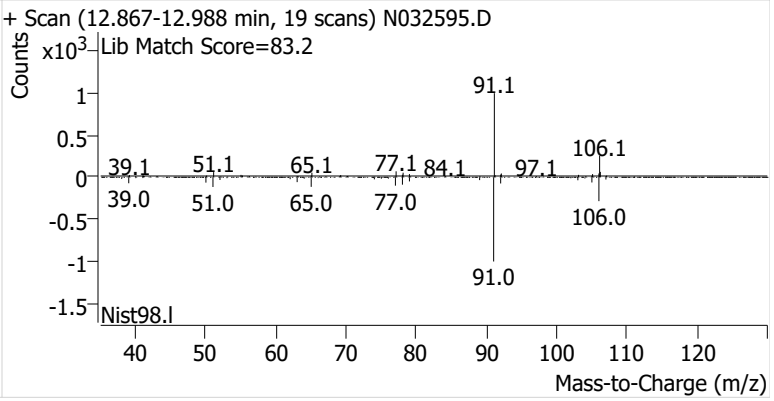
Toluene



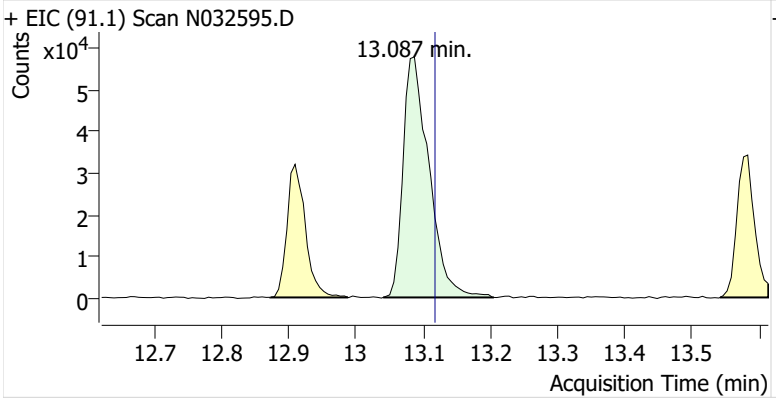


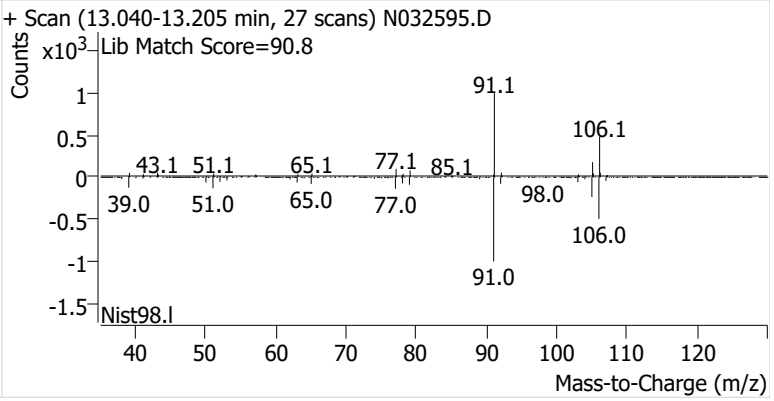
Ethylbenzene



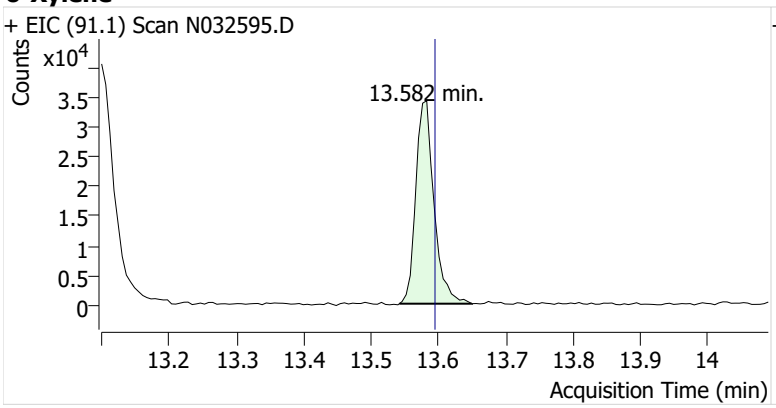


m-/p-Xylenes





o-Xylene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2
1.5
1
0.5
0
13.582 min.
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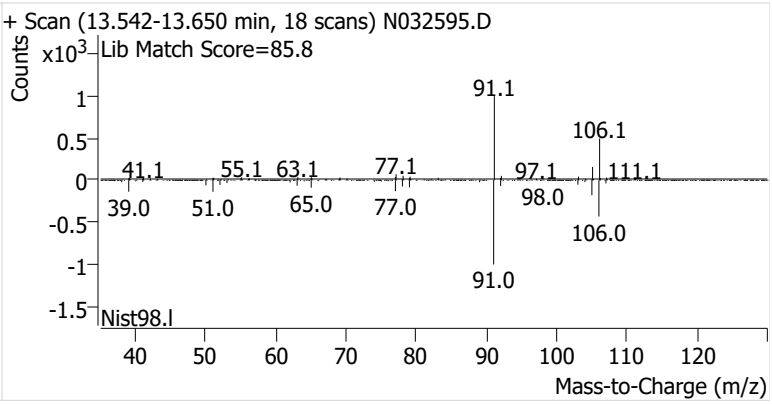
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.542-13.650 min, 18 scans) N032595.D
Lib Match Score=85.8
Counts
x10^3
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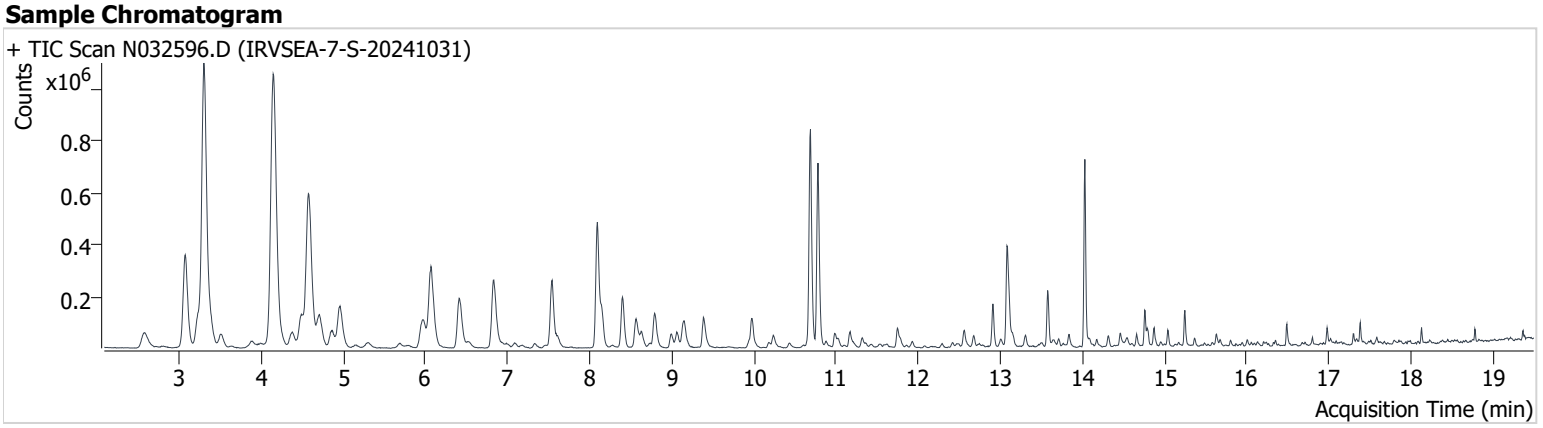
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
63.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

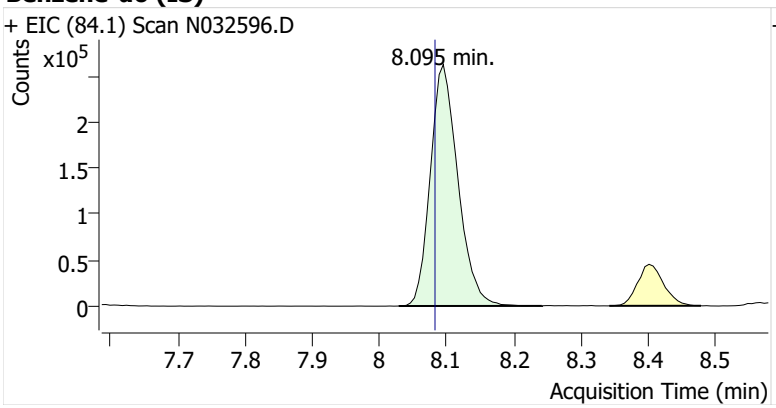
Name	IRVSEA-7-S-20241031
Comment	B51008
Data File	N032596.D
Acq. Date-Time	11/18/2024 9:47:38 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

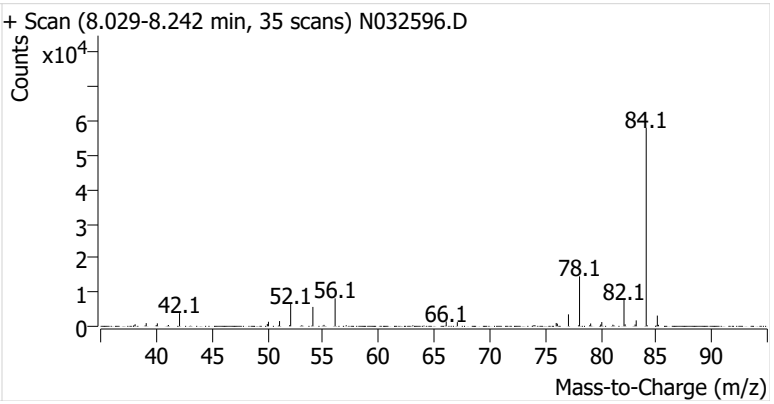
Sample Chromatogram



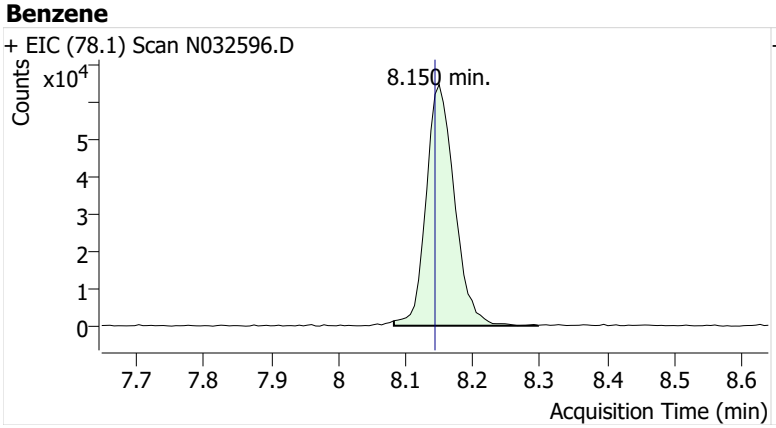
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	748,286	
Benzene	Benzene-d6 (IS)	8.150	8.144	190,414	
Toluene-d8 (IS)		10.689	10.689	736,237	
Toluene	Toluene-d8 (IS)	10.781	10.781	663,365	
Ethylbenzene	Toluene-d8 (IS)	12.910	12.922	128,889	
m-/p-Xylenes	Toluene-d8 (IS)	13.081	13.118	369,066	
o-Xylene	Toluene-d8 (IS)	13.576	13.595	152,248	

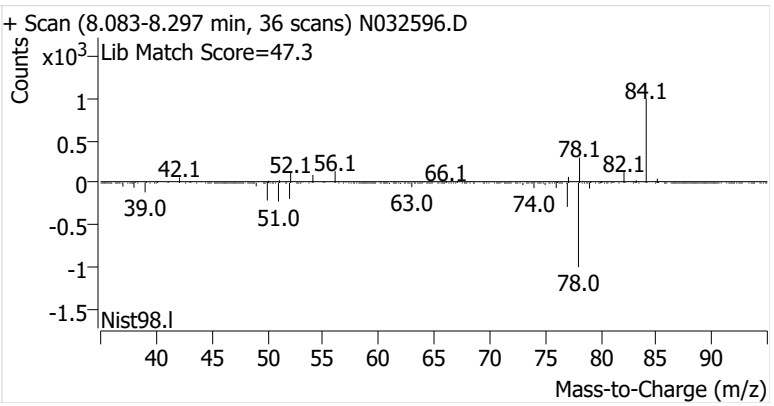
Benzene-d6 (IS)



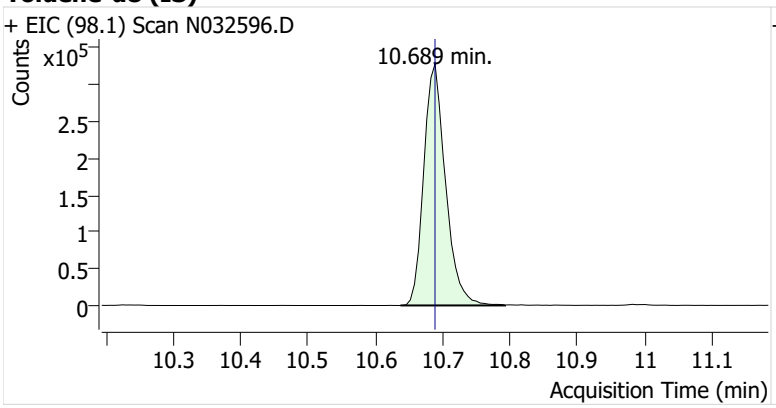


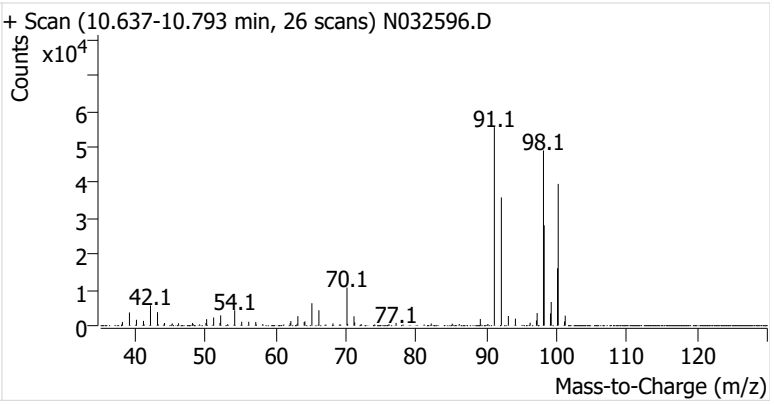
Benzene



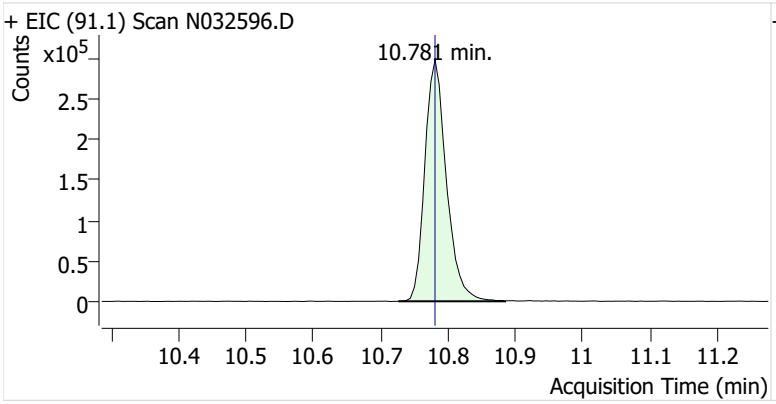


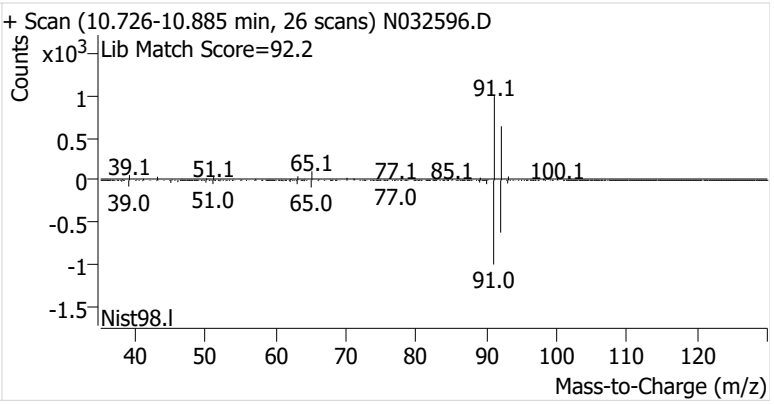
Toluene-d8 (IS)



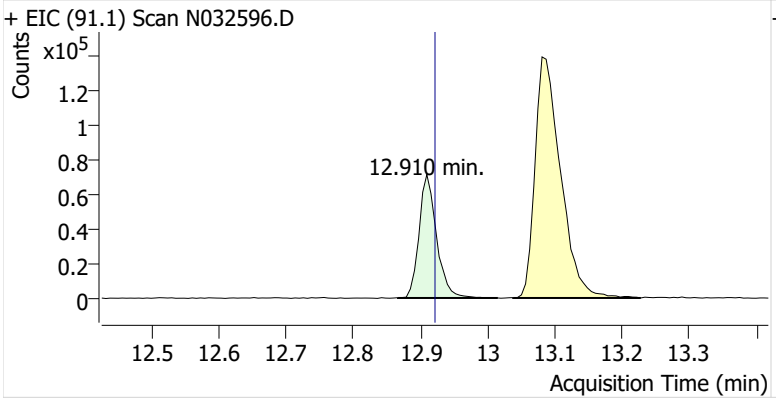


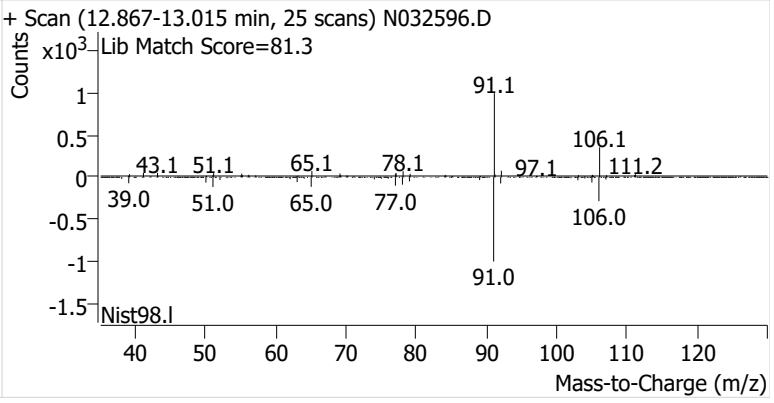
Toluene



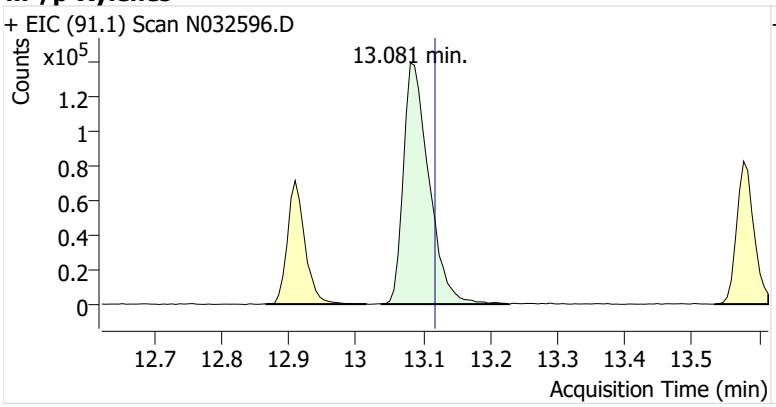


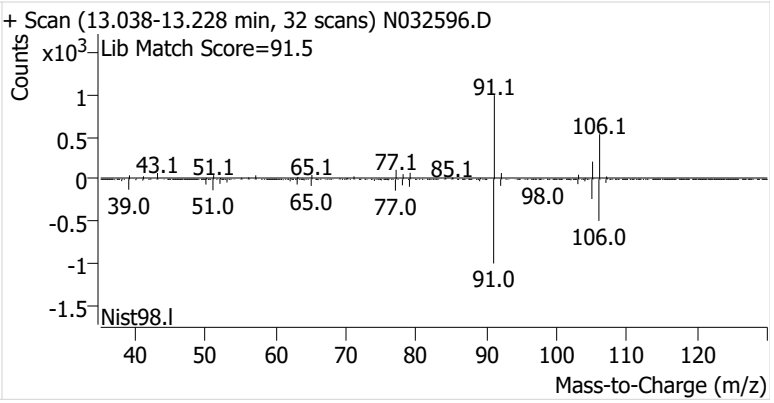
Ethylbenzene



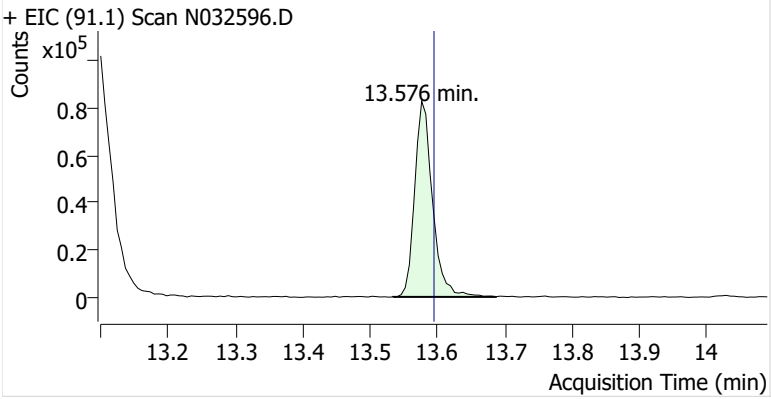


m-/p-Xylenes





o-Xylene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13.576 min.
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0.4
0.2
0
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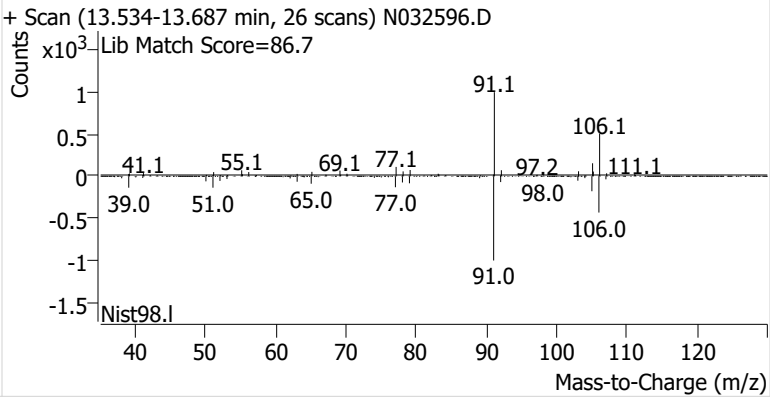
Acquisition Time (min)


+ Scan (13.534-13.687 min, 26 scans) N032596.D
Lib Match Score=86.7
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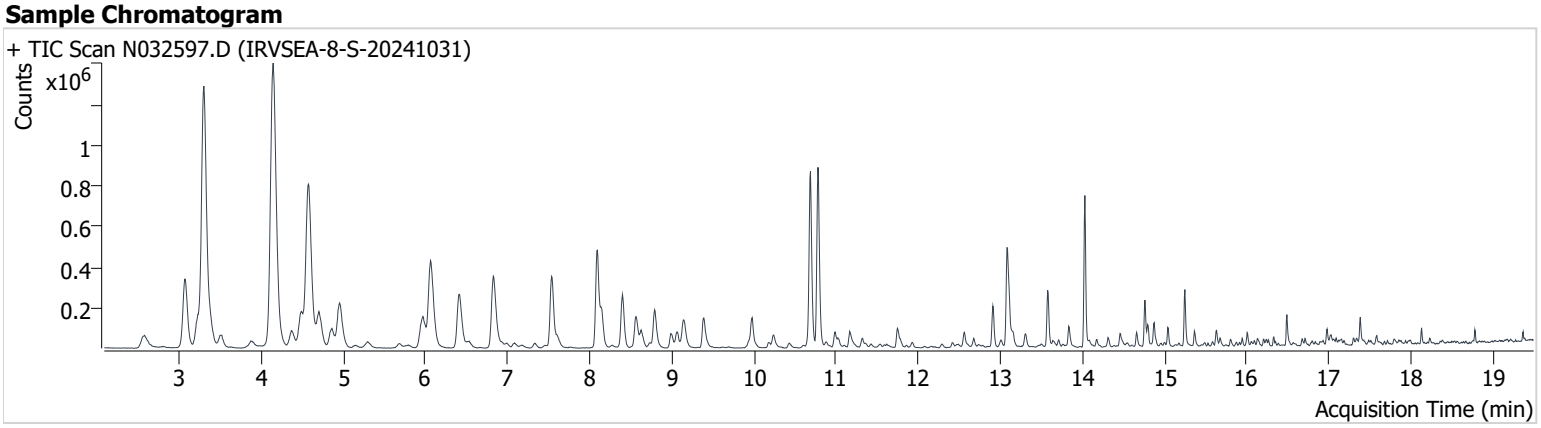
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

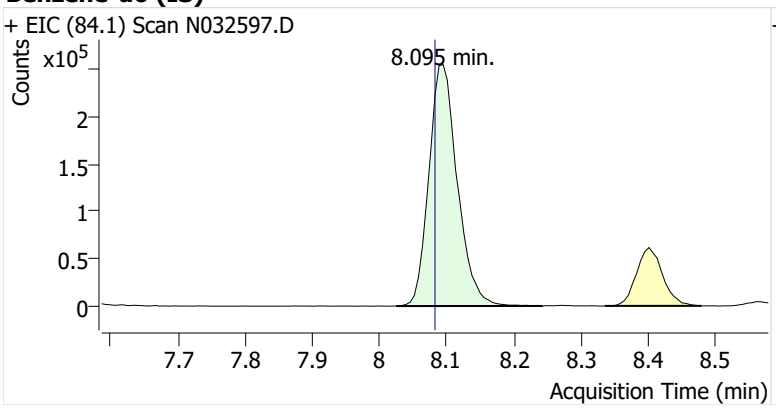
Name	IRVSEA-8-S-20241031
Comment	C39286
Data File	N032597.D
Acq. Date-Time	11/18/2024 10:27:30 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

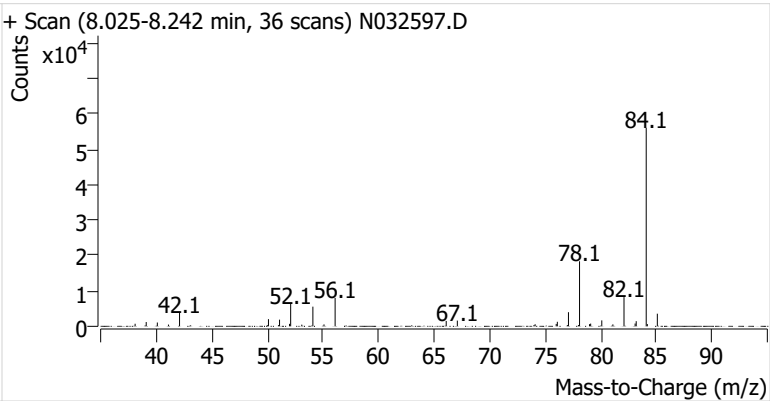
Sample Chromatogram



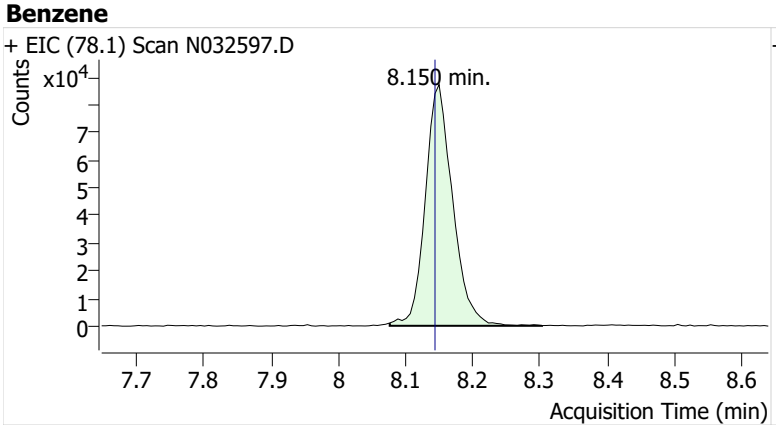
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	746,526	
Benzene	Benzene-d6 (IS)	8.150	8.144	246,653	
Toluene-d8 (IS)		10.689	10.689	750,450	
Toluene	Toluene-d8 (IS)	10.780	10.781	837,897	
Ethylbenzene	Toluene-d8 (IS)	12.909	12.922	168,708	
m-/p-Xylenes	Toluene-d8 (IS)	13.081	13.118	473,875	
o-Xylene	Toluene-d8 (IS)	13.576	13.595	195,325	

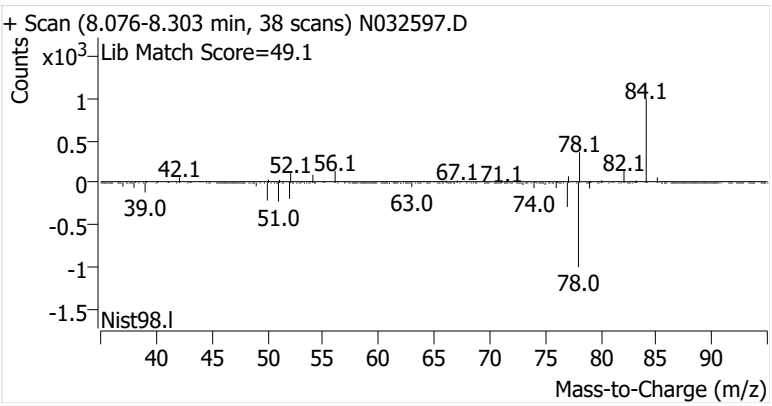
Benzene-d6 (IS)



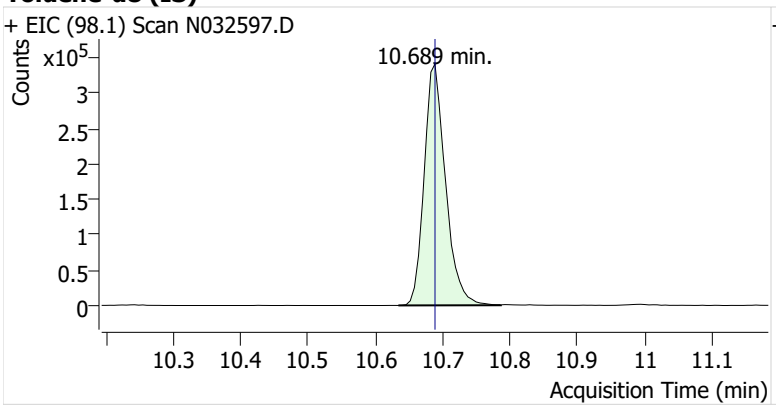


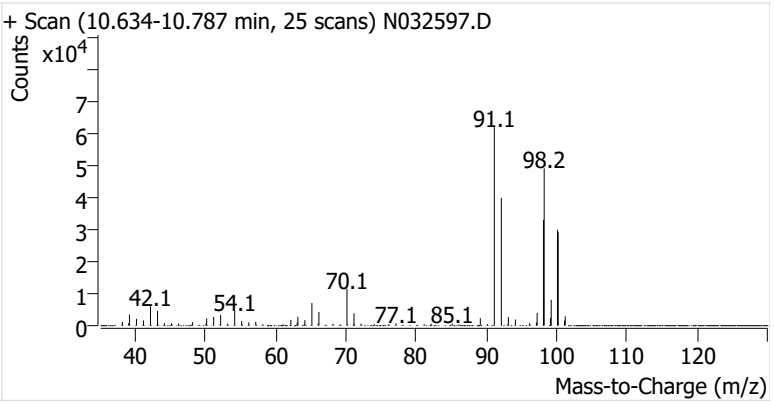
Benzene



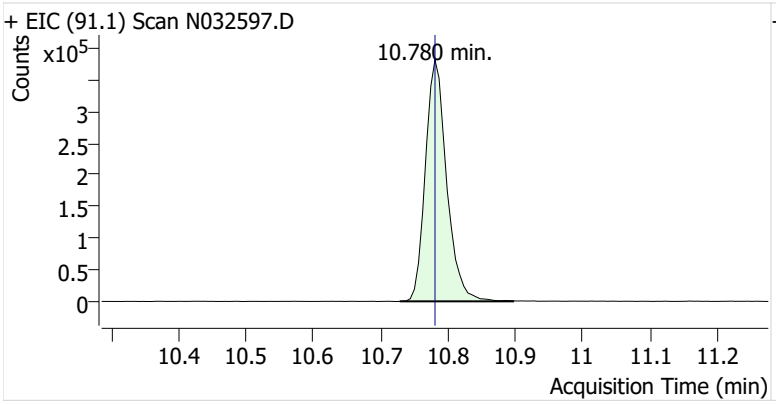


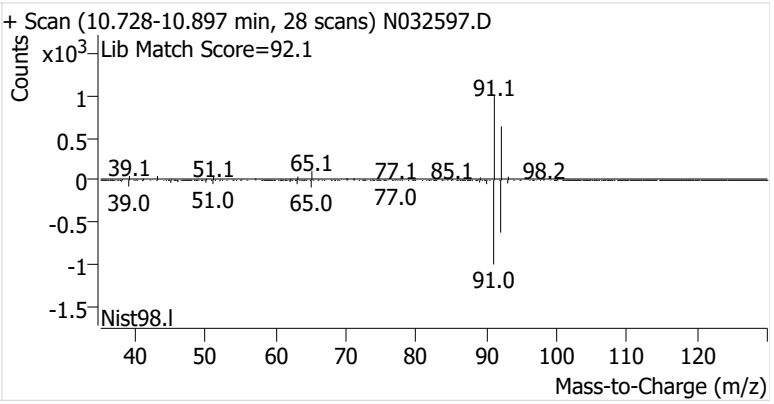
Toluene-d8 (IS)



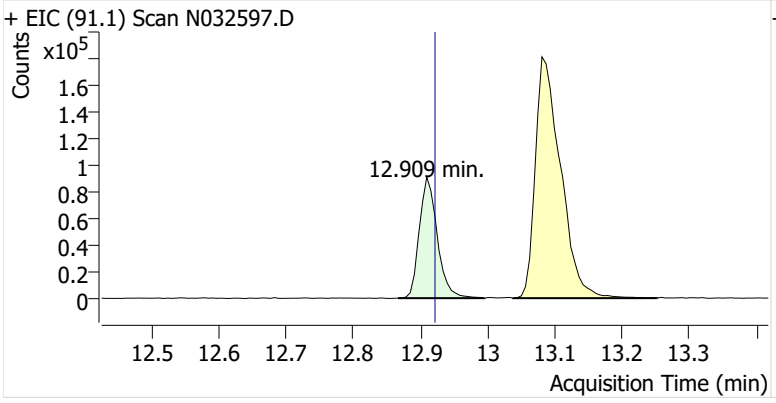


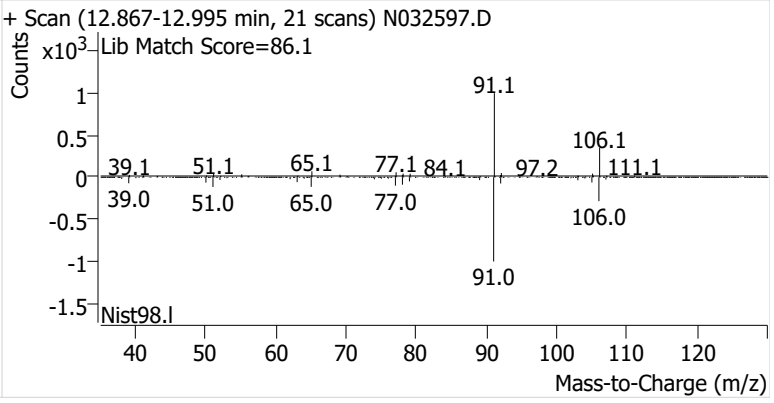
Toluene



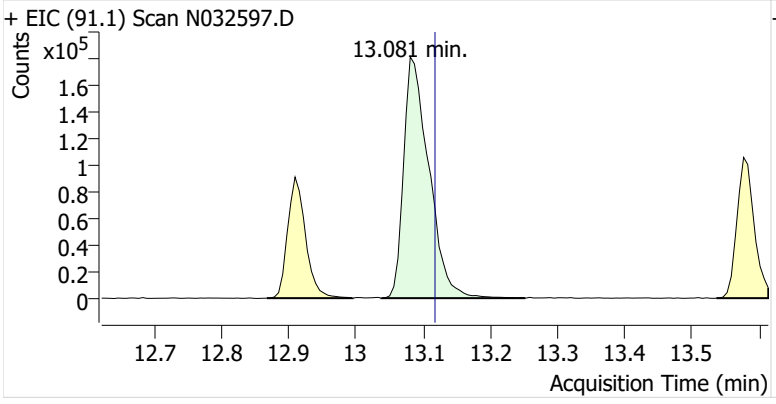


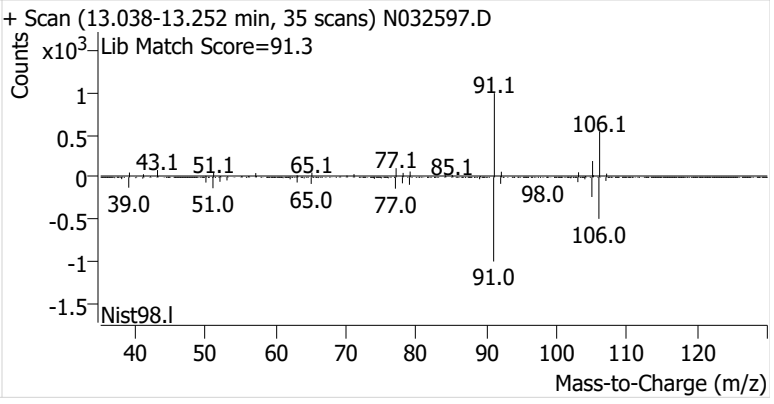
Ethylbenzene



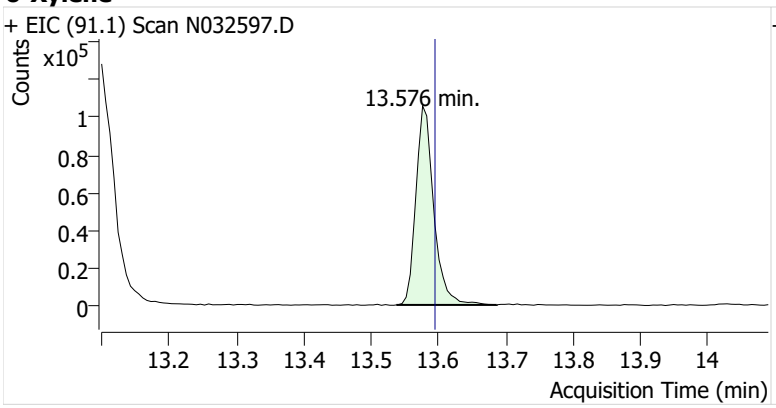


m-/p-Xylenes





o-Xylene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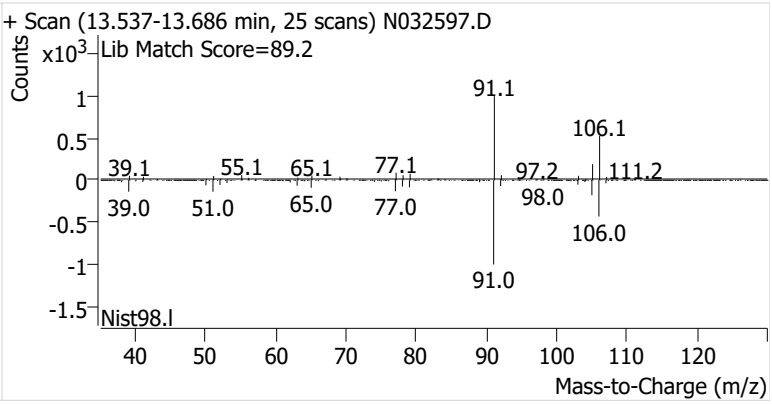
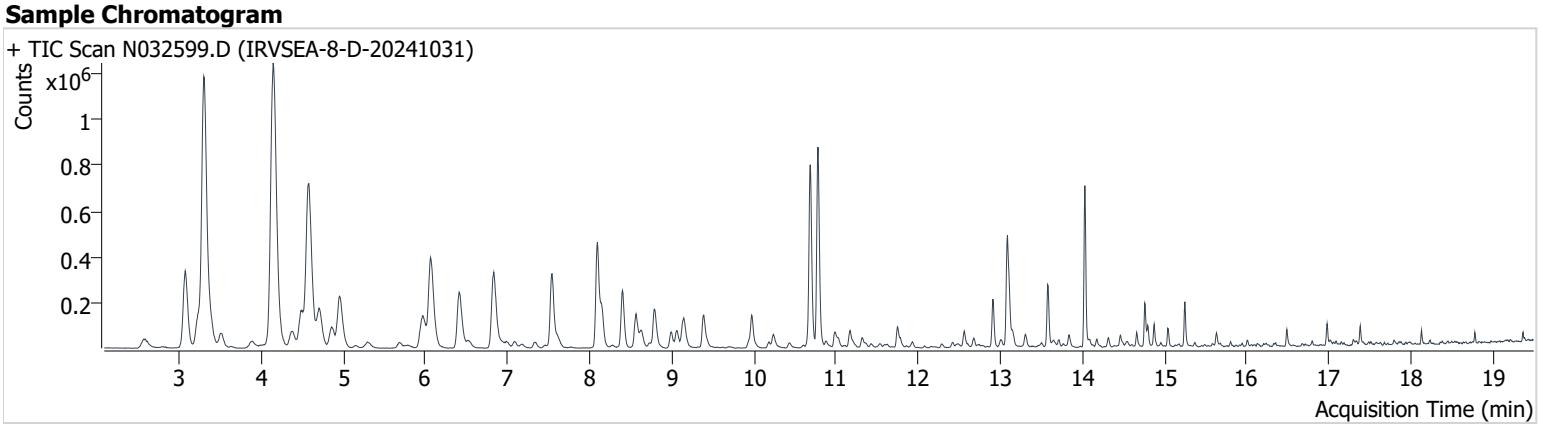
Counts
x10^5
13.576 min.
Acquisition Time (min)


+ Scan (13.537-13.686 min, 25 scans) N032597.D
Counts
x10^3
Lib Match Score=89.2
91.1
106.1
39.1
55.1
65.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

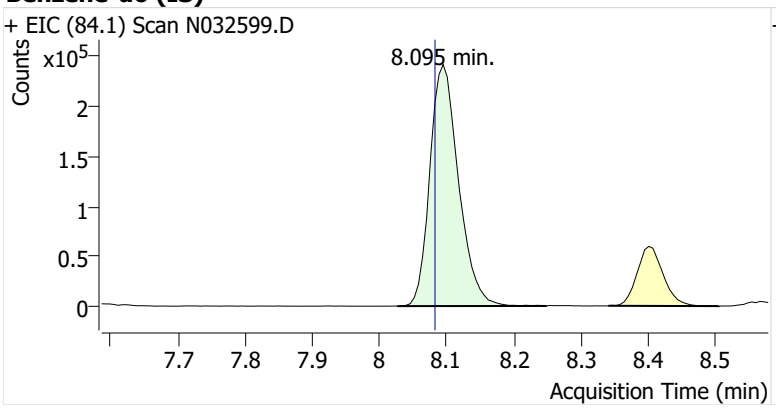
Name	IRVSEA-8-D-20241031
Comment	B30010
Data File	N032599.D
Acq. Date-Time	11/18/2024 11:47:20 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

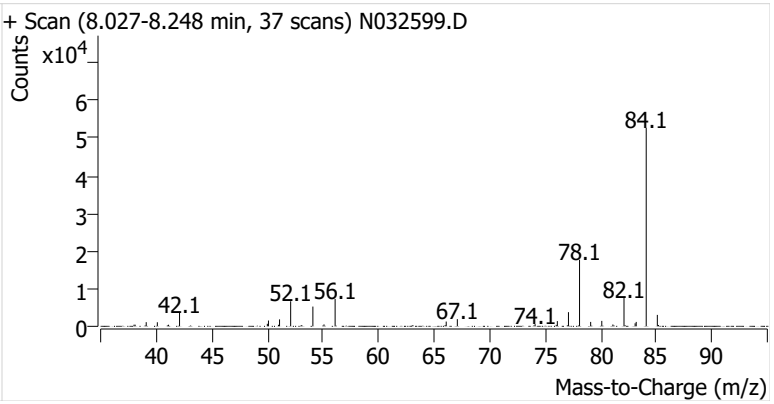
Sample Chromatogram



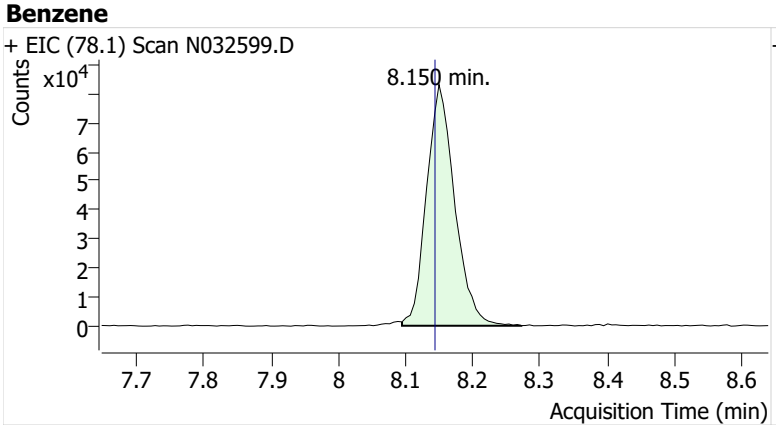
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	717,654	
Benzene	Benzene-d6 (IS)	8.150	8.144	241,132	
Toluene-d8 (IS)		10.683	10.689	726,880	
Toluene	Toluene-d8 (IS)	10.780	10.781	847,656	
Ethylbenzene	Toluene-d8 (IS)	12.909	12.922	170,341	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	472,488	
o-Xylene	Toluene-d8 (IS)	13.576	13.595	193,308	

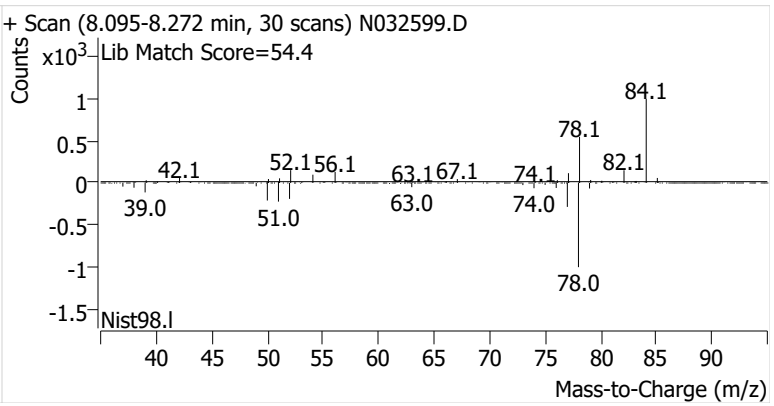
Benzene-d6 (IS)



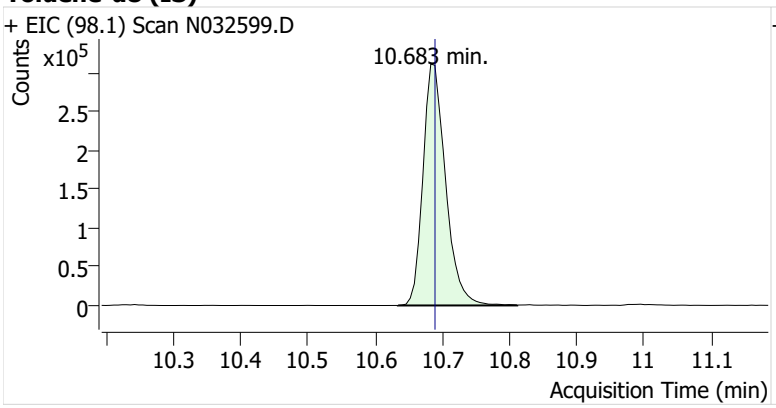


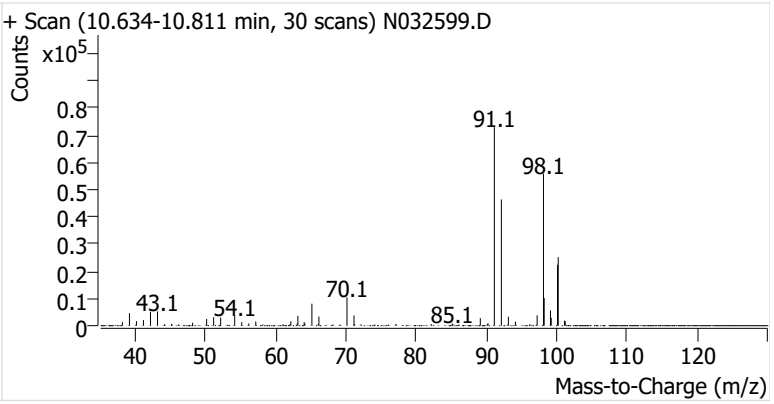
Benzene



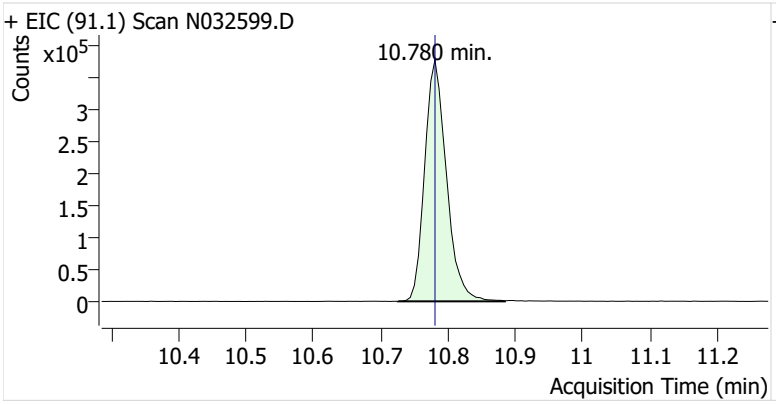


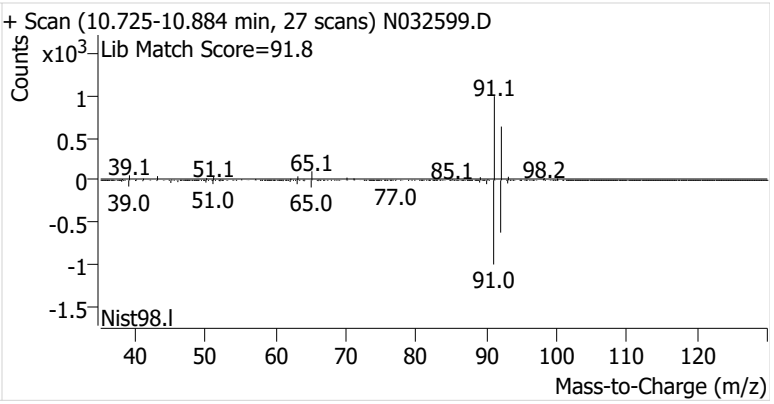
Toluene-d8 (IS)



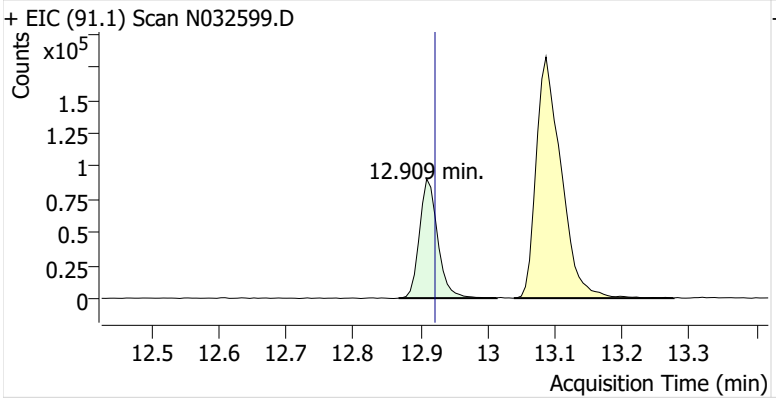


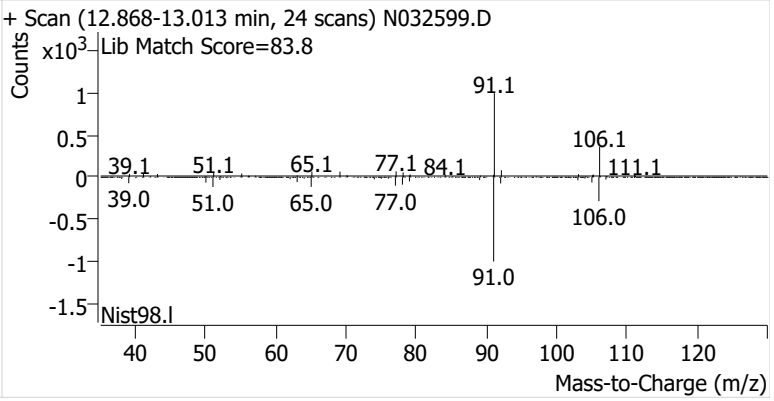
Toluene



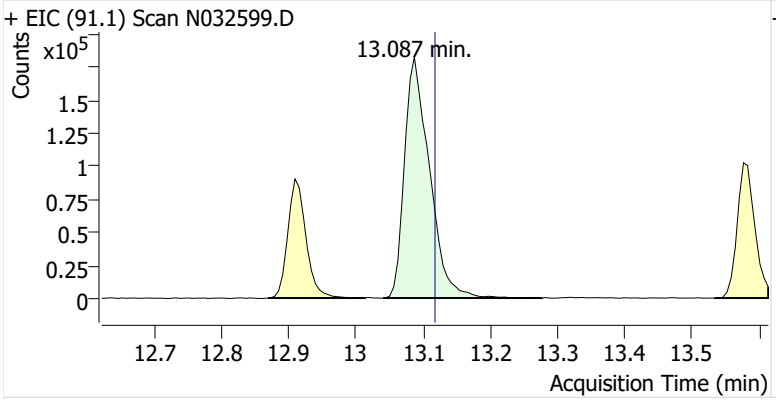


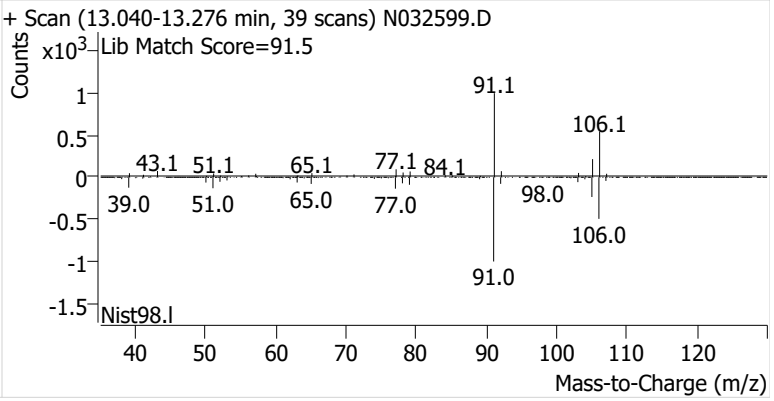
Ethylbenzene



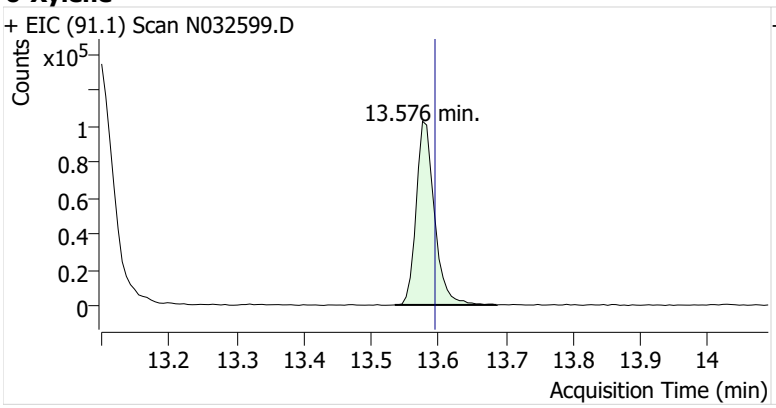


m-/p-Xylenes





o-Xylene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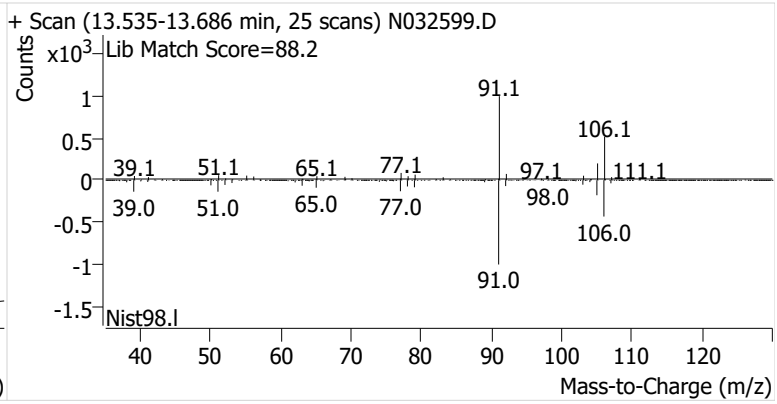
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.535-13.686 min, 25 scans) N032599.D
Lib Match Score=88.2
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-0.5
-1
-1.5
91.1
106.1
39.1
51.1
65.1
77.1
97.1
111.1
98.0
39.0
51.0
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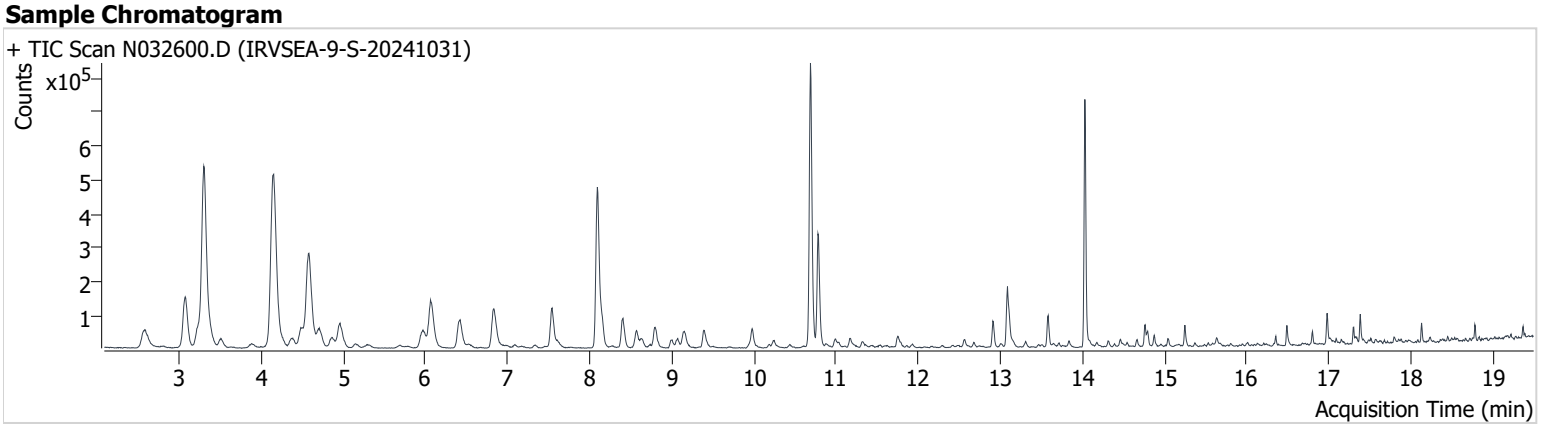
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

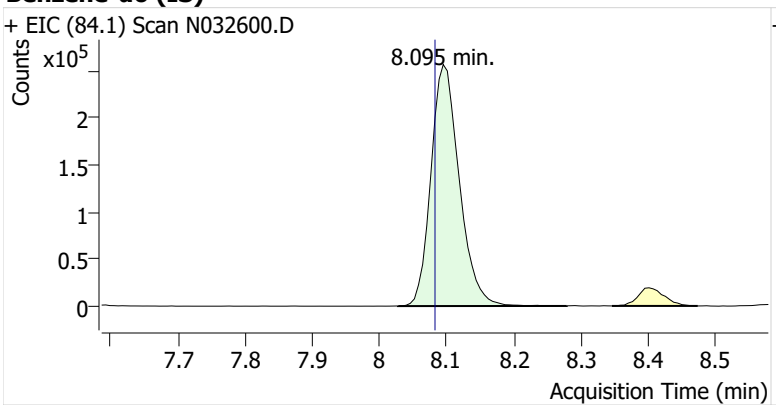
Name	IRVSEA-9-S-20241031
Comment	C01617
Data File	N032600.D
Acq. Date-Time	11/19/2024 12:27:14 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

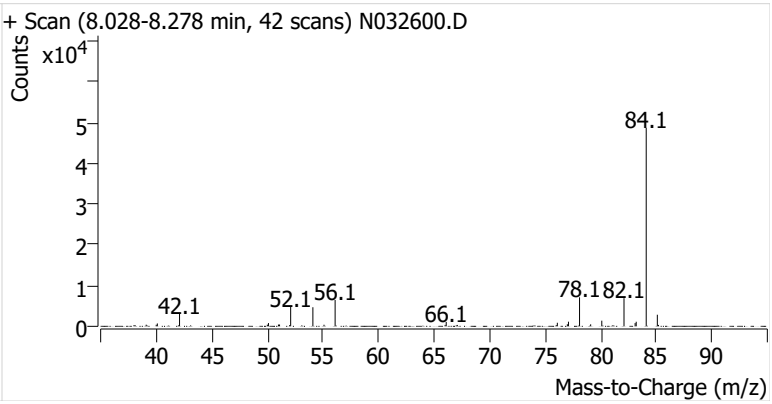
Sample Chromatogram



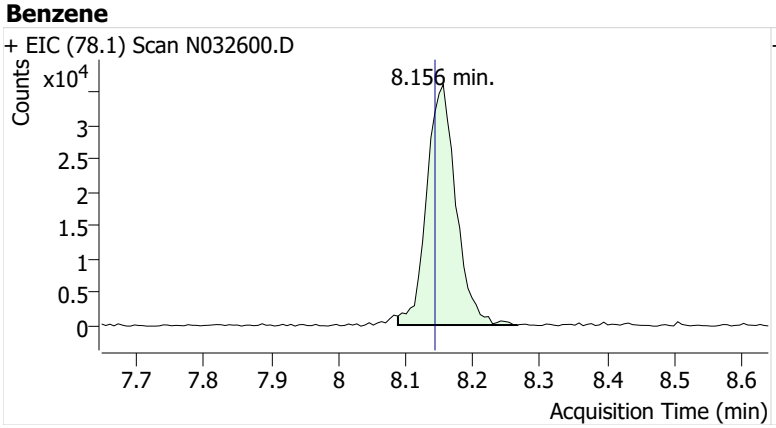
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	752,994	
Benzene	Benzene-d6 (IS)	8.156	8.144	109,252	
Toluene-d8 (IS)		10.689	10.689	744,200	
Toluene	Toluene-d8 (IS)	10.781	10.781	313,714	
Ethylbenzene	Toluene-d8 (IS)	12.916	12.922	62,269	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	163,010	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	61,412	

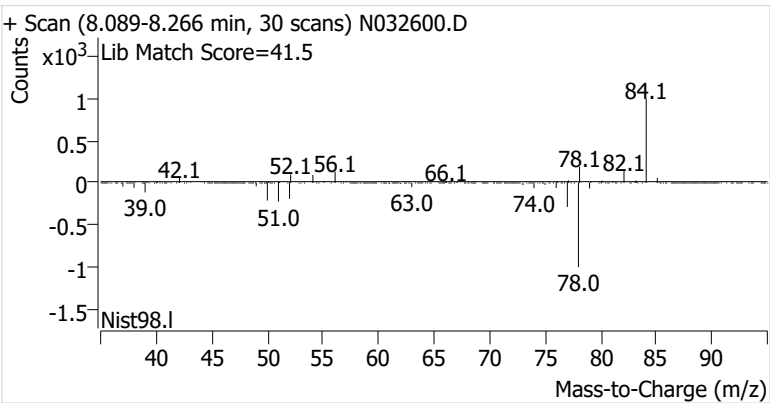
Benzene-d6 (IS)



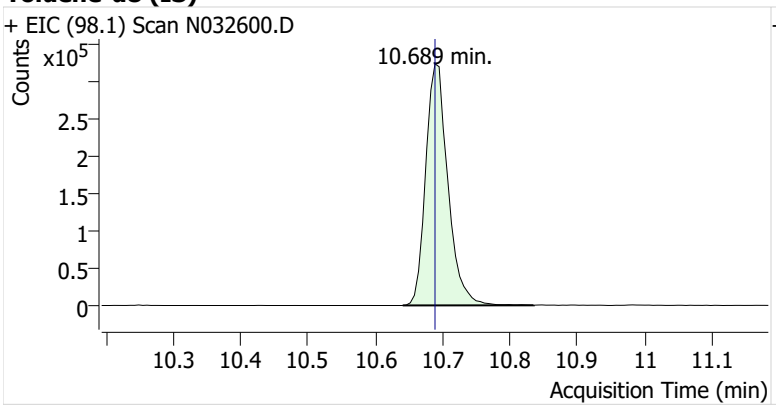


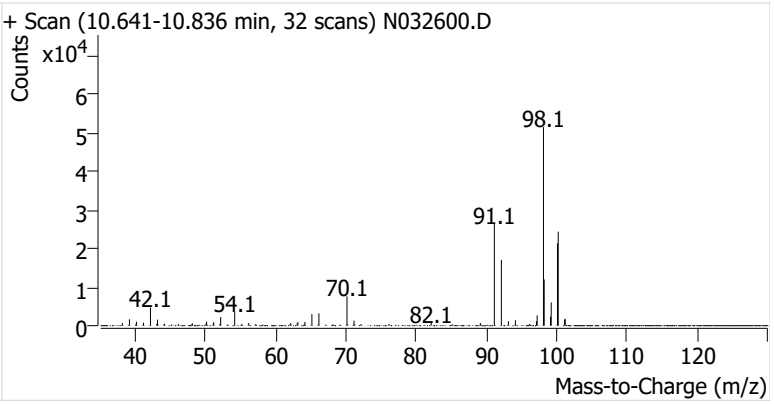
Benzene



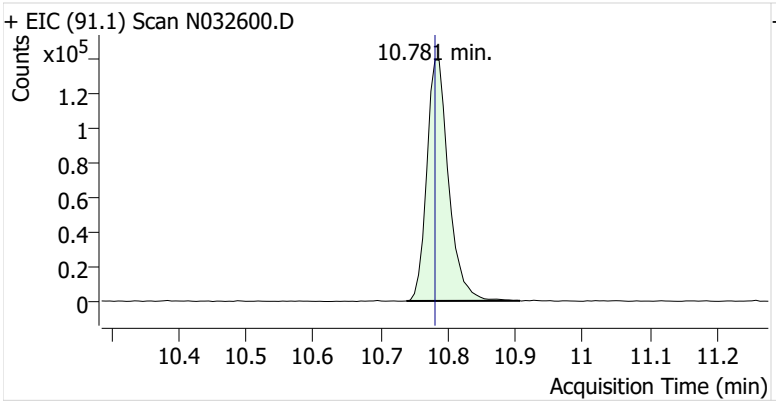


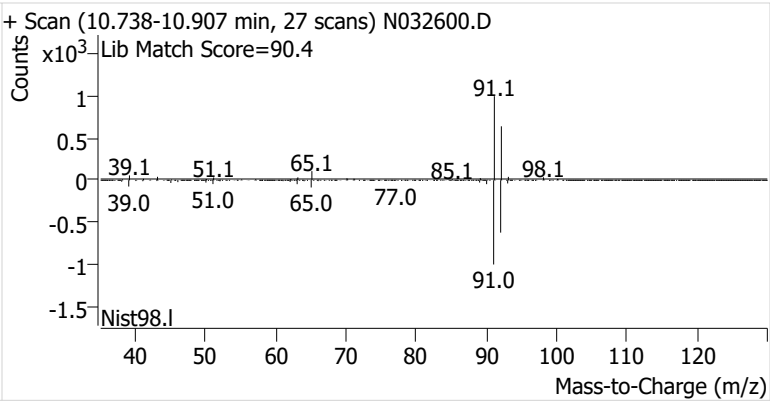
Toluene-d8 (IS)



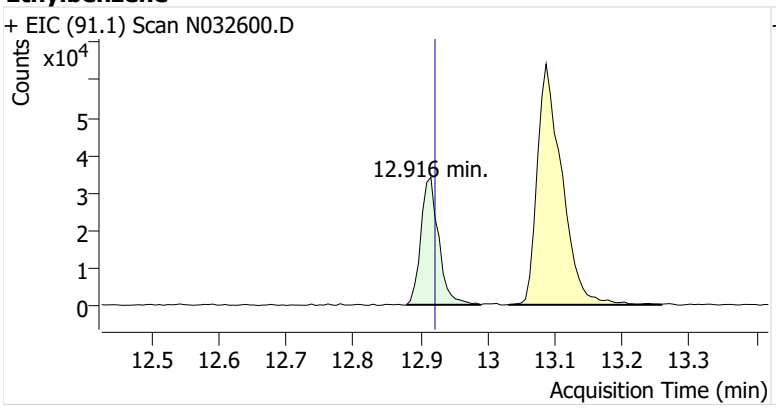


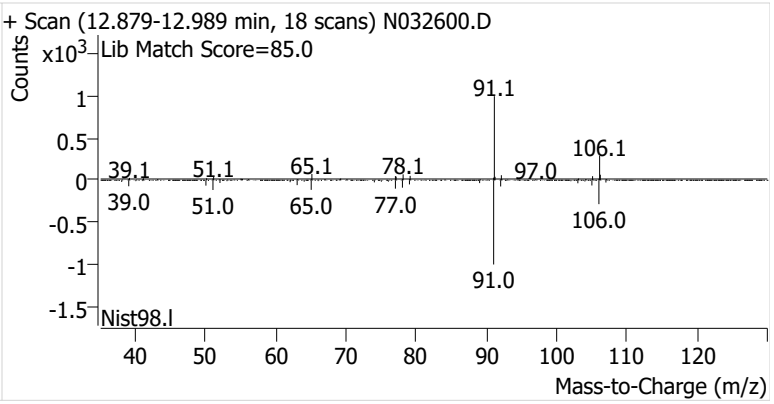
Toluene



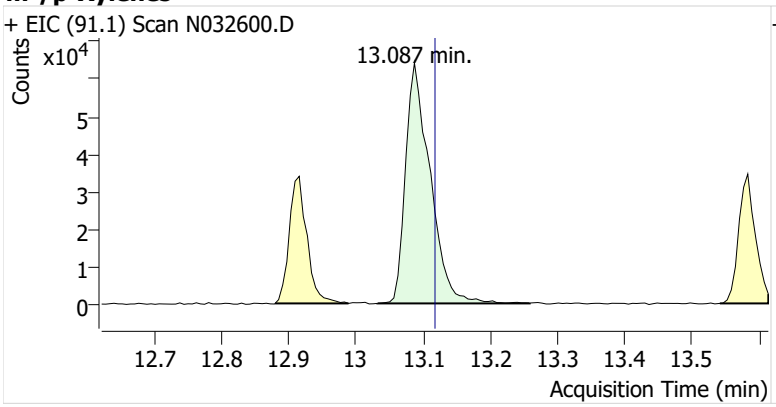


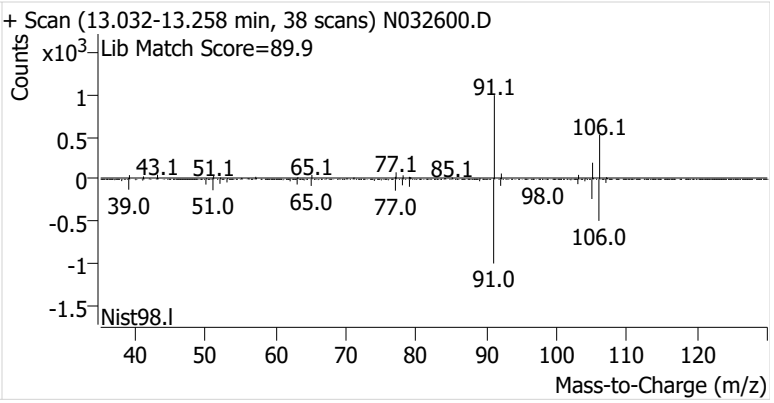
Ethylbenzene



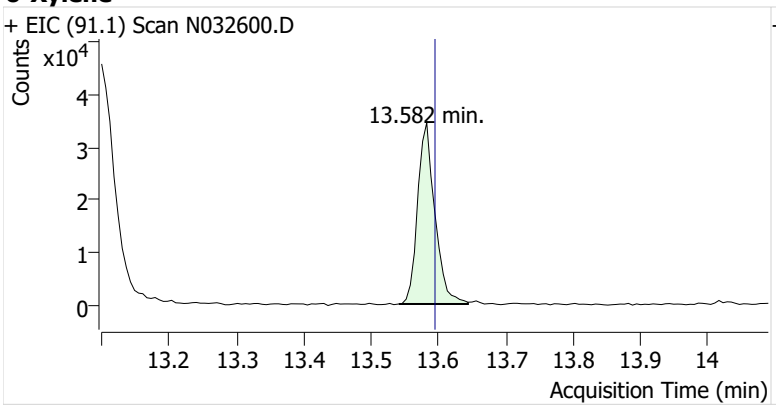


m-/p-Xylenes





o-Xylene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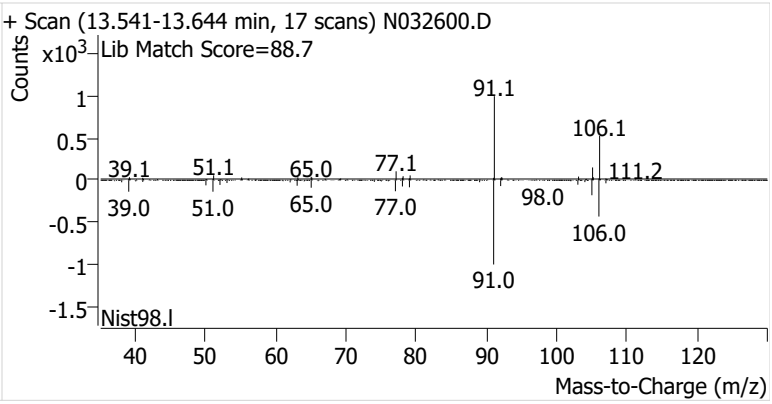
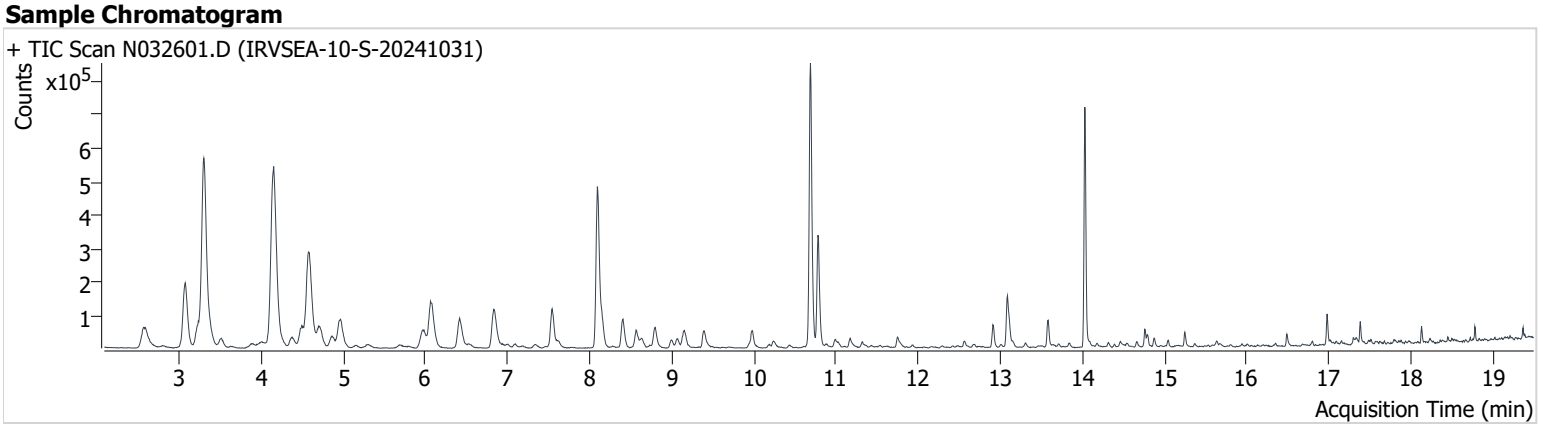
Counts
x10^4
13.582 min.
Acquisition Time (min)


+ Scan (13.541-13.644 min, 17 scans) N032600.D
Lib Match Score=88.7
Counts
x10^3
91.1
106.1
39.1
51.1
65.0
77.1
111.2
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

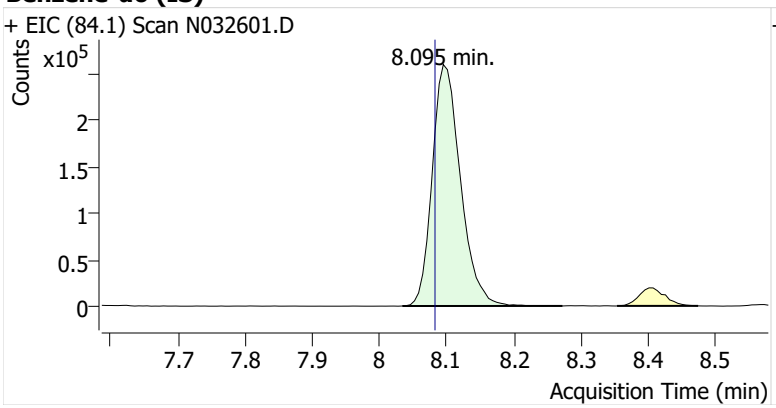
Name	IRVSEA-10-S-20241031
Comment	B27365
Data File	N032601.D
Acq. Date-Time	11/19/2024 1:07:07 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

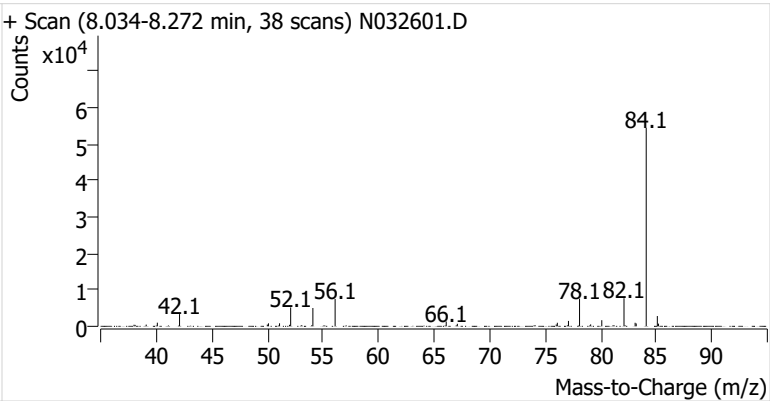
Sample Chromatogram



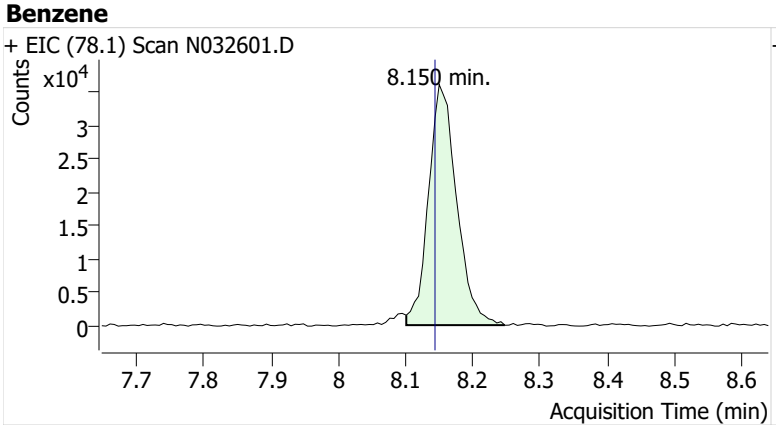
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	759,169	
Benzene	Benzene-d6 (IS)	8.150	8.144	104,653	
Toluene-d8 (IS)		10.689	10.689	757,755	
Toluene	Toluene-d8 (IS)	10.781	10.781	312,121	
Ethylbenzene	Toluene-d8 (IS)	12.910	12.922	55,988	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	145,063	
o-Xylene	Toluene-d8 (IS)	13.583	13.595	58,984	

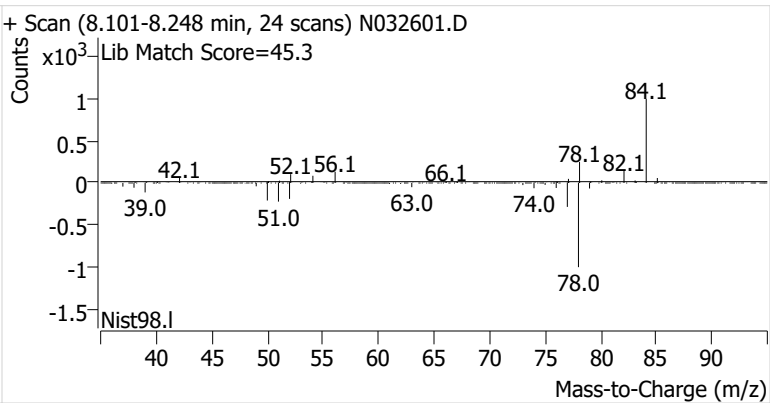
Benzene-d6 (IS)



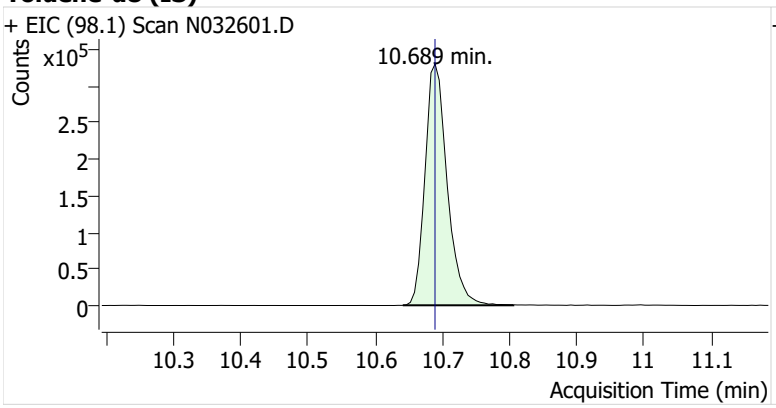


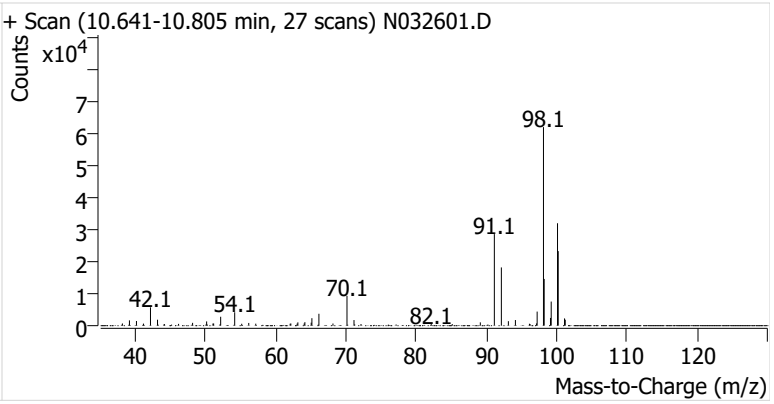
Benzene



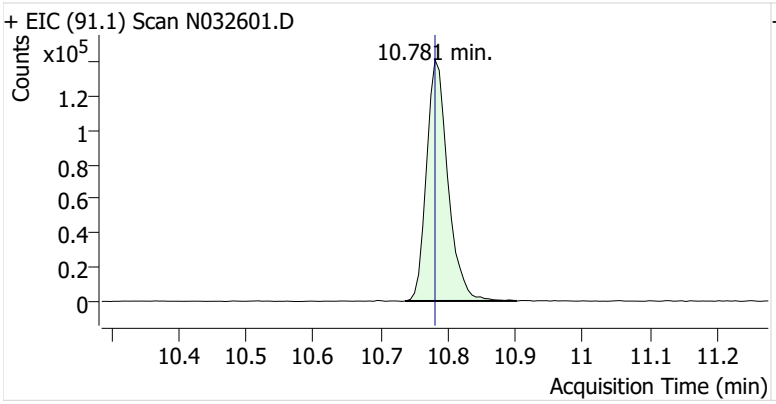


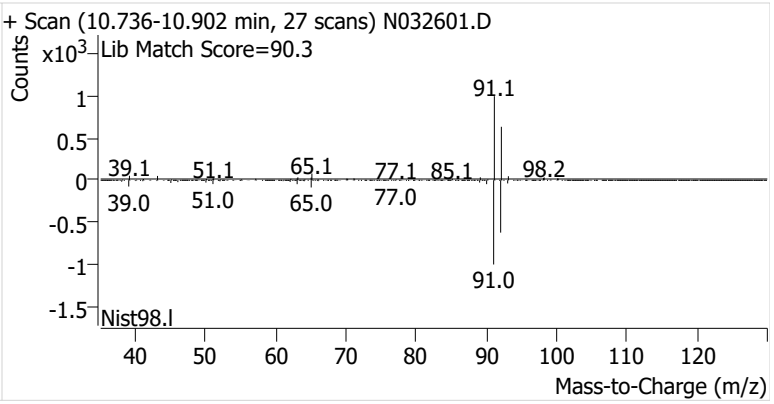
Toluene-d8 (IS)



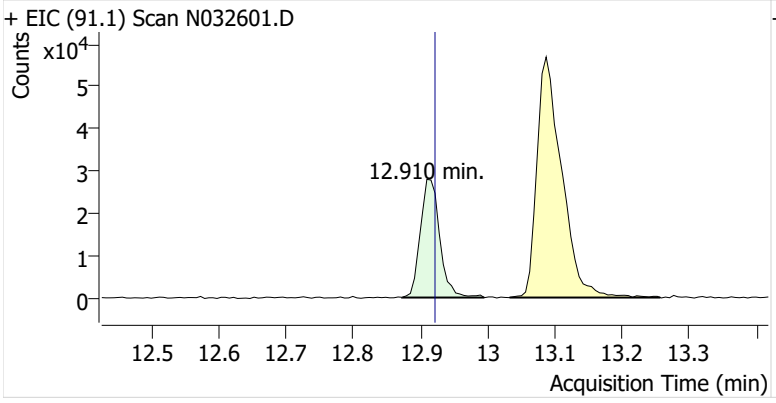


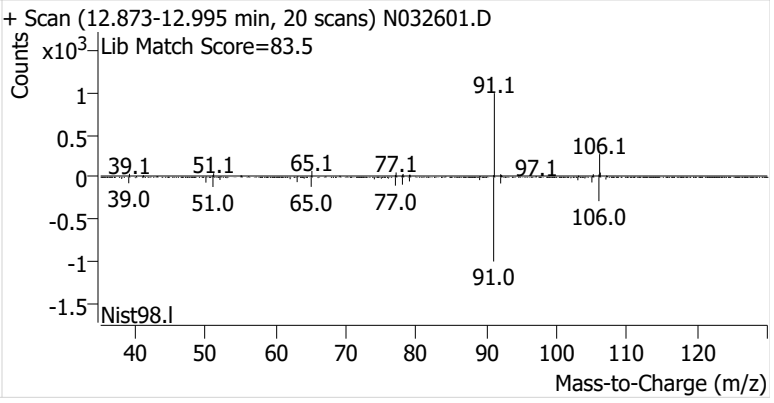
Toluene



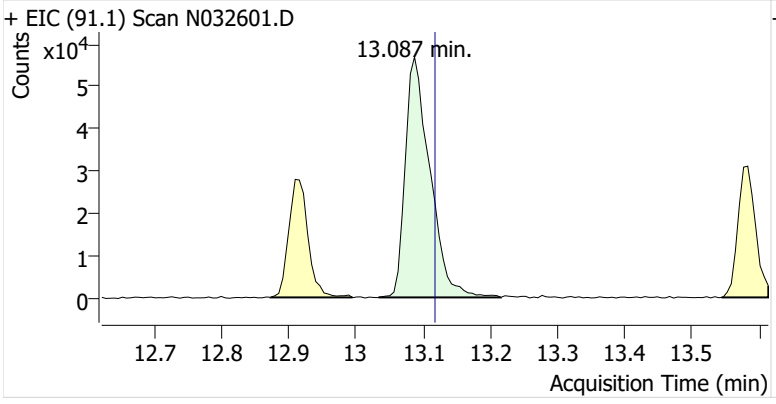


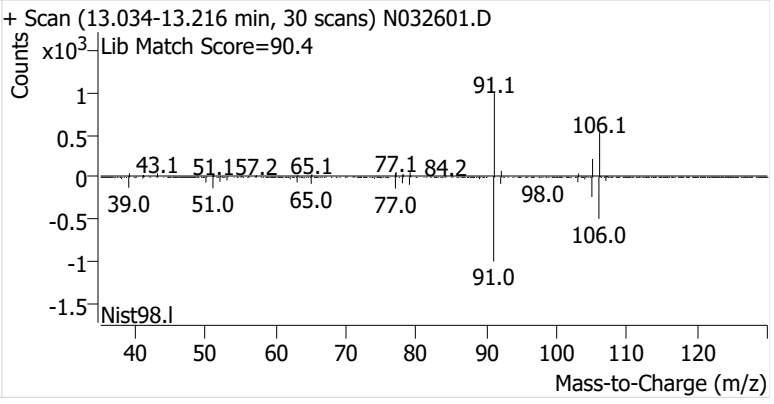
Ethylbenzene



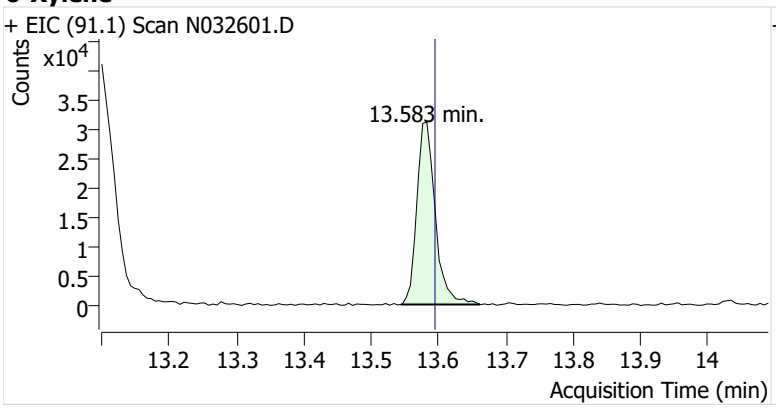


m-/p-Xylenes





o-Xylene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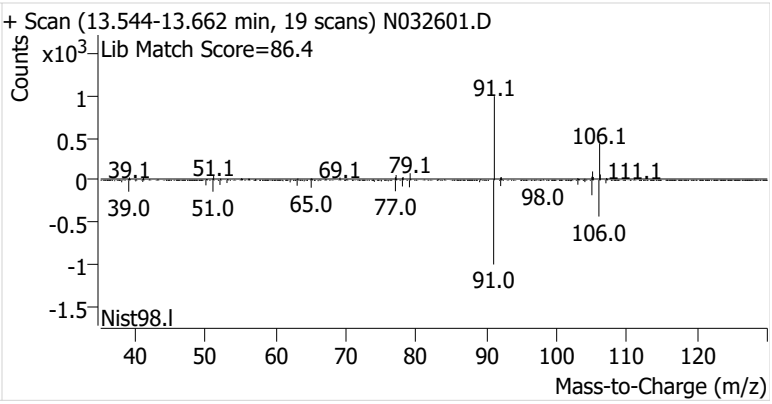
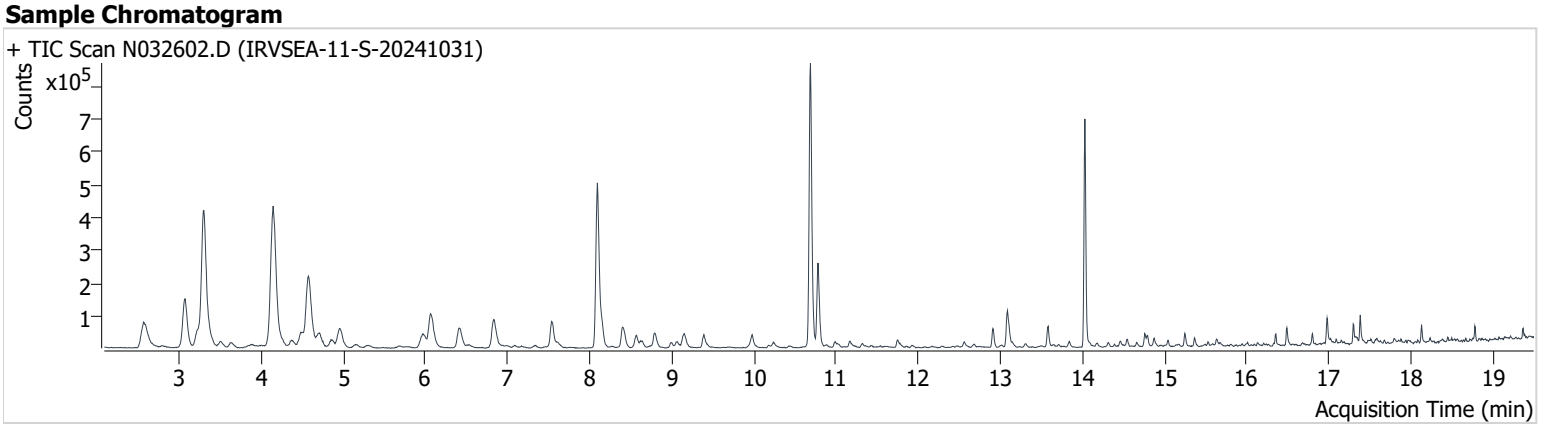
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
13.583 min.
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.544-13.662 min, 19 scans) N032601.D
Lib Match Score=86.4
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.1
69.1
79.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

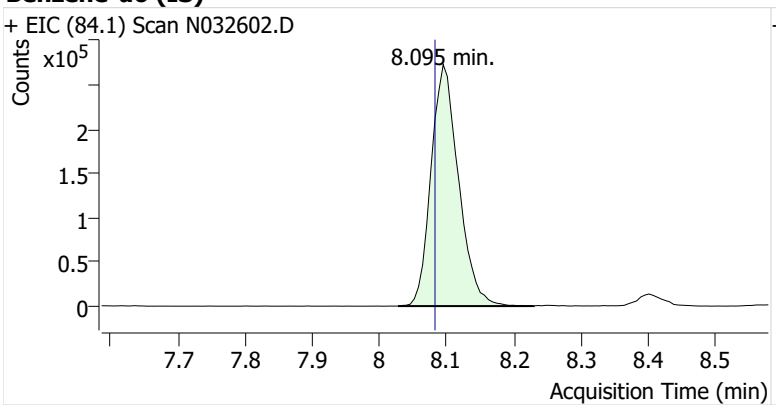
Name	IRVSEA-11-S-20241031
Comment	C37039
Data File	N032602.D
Acq. Date-Time	11/19/2024 1:47:02 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

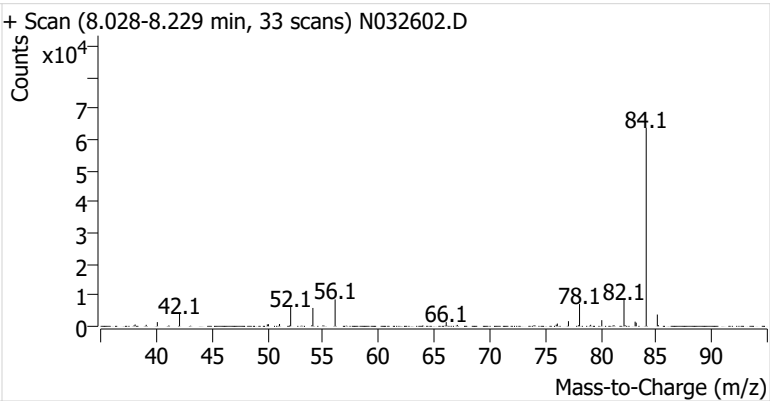
Sample Chromatogram



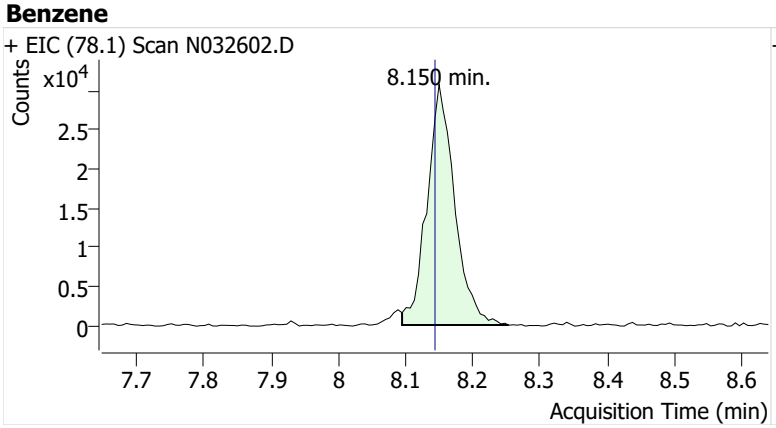
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	775,163	
Benzene	Benzene-d6 (IS)	8.150	8.144	87,551	
Toluene-d8 (IS)		10.689	10.689	771,241	
Toluene	Toluene-d8 (IS)	10.780	10.781	226,310	
Ethylbenzene	Toluene-d8 (IS)	12.909	12.922	44,030	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	102,239	
o-Xylene	Toluene-d8 (IS)	13.576	13.595	41,515	

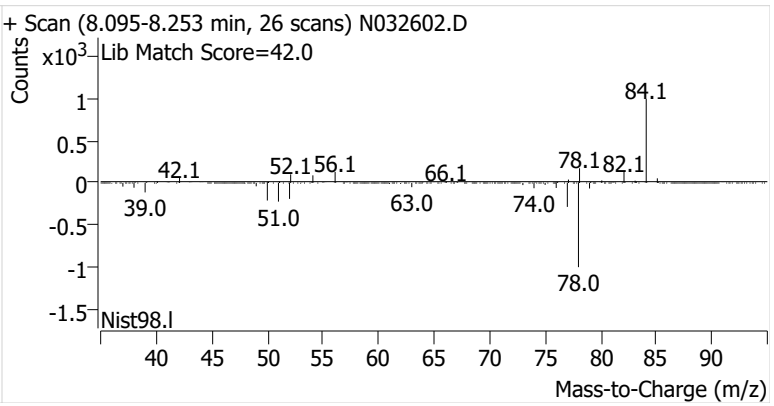
Benzene-d6 (IS)



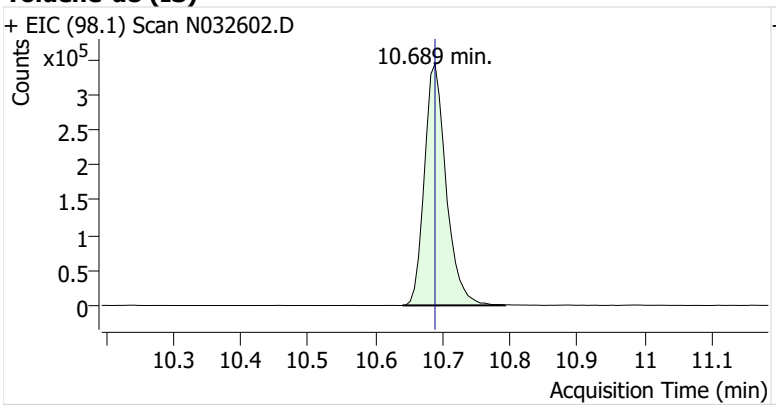


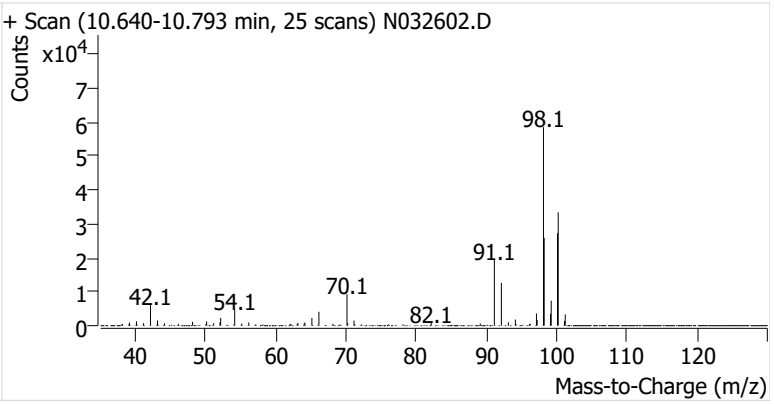
Benzene



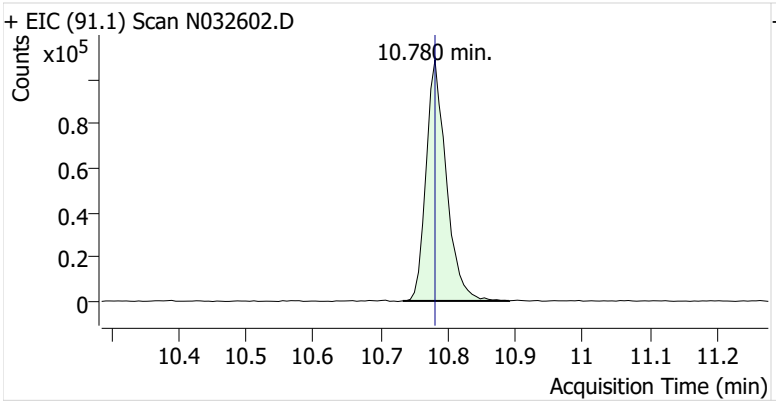


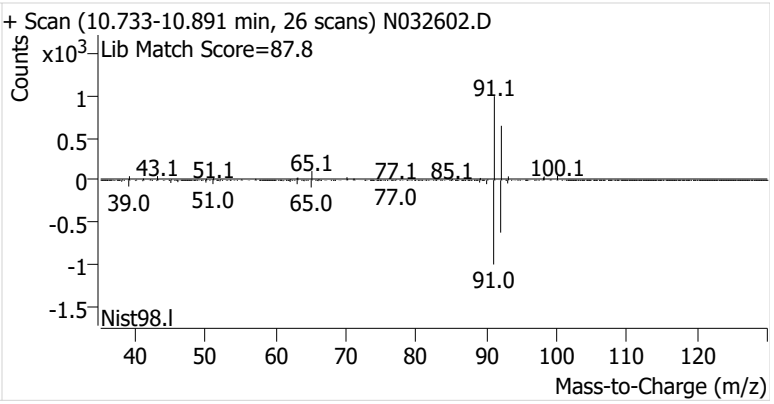
Toluene-d8 (IS)



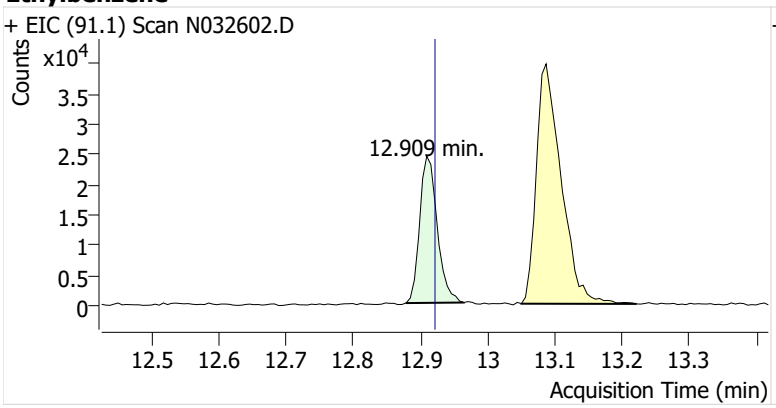


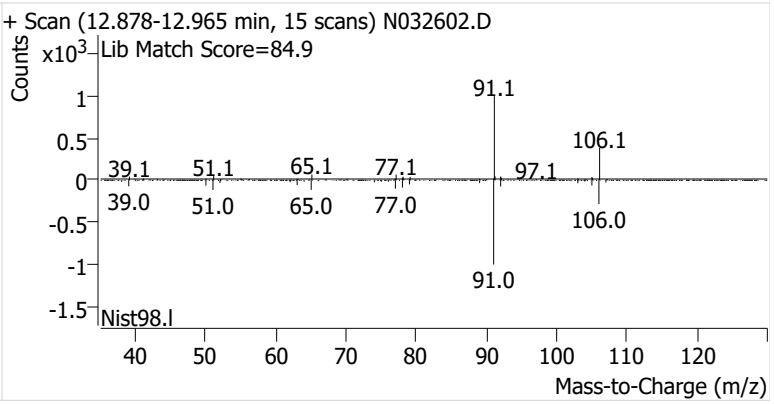
Toluene



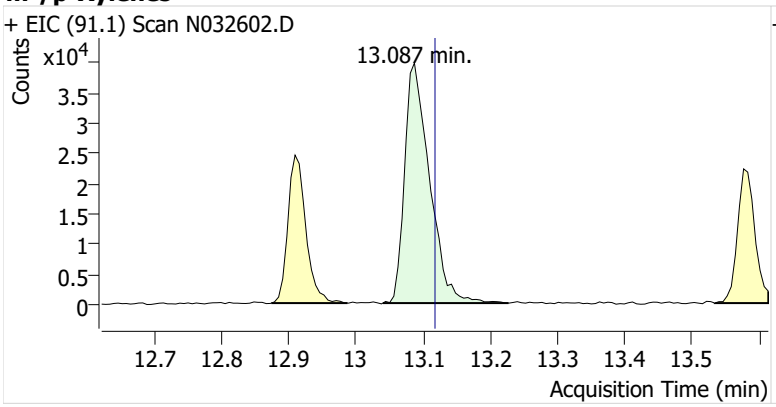


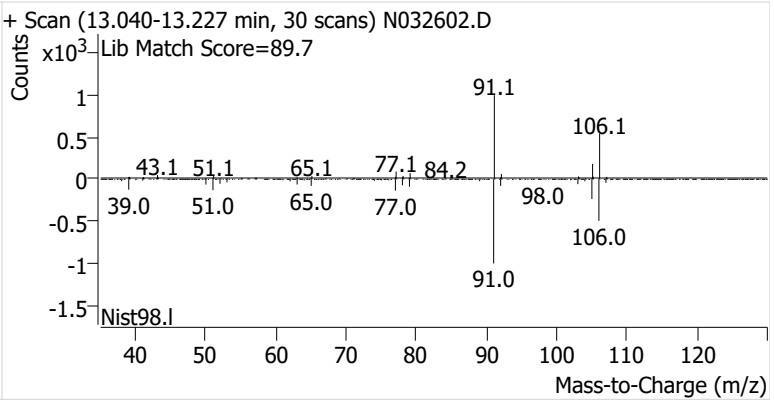
Ethylbenzene



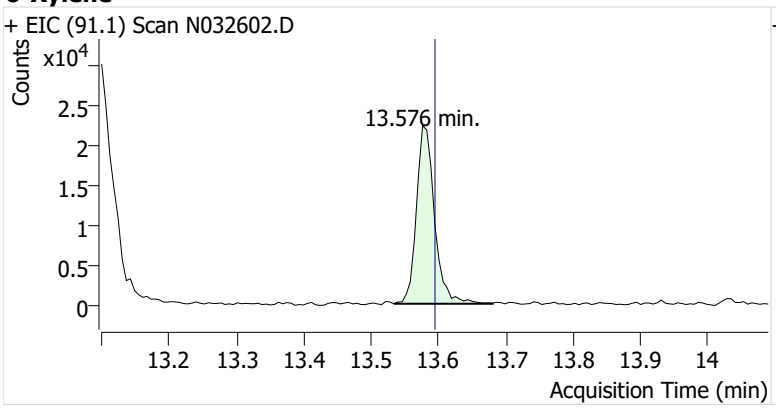


m-/p-Xylenes





o-Xylene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Counts
x10^4
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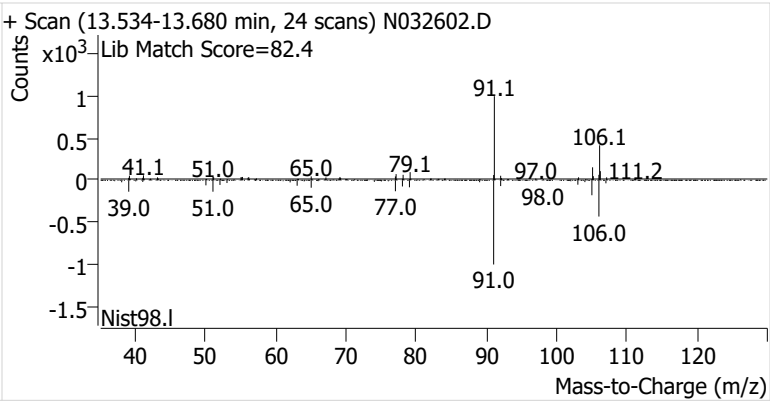
1.5
1
0.5
0
13.576 min.
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.534-13.680 min, 24 scans) N032602.D
Lib Match Score=82.4
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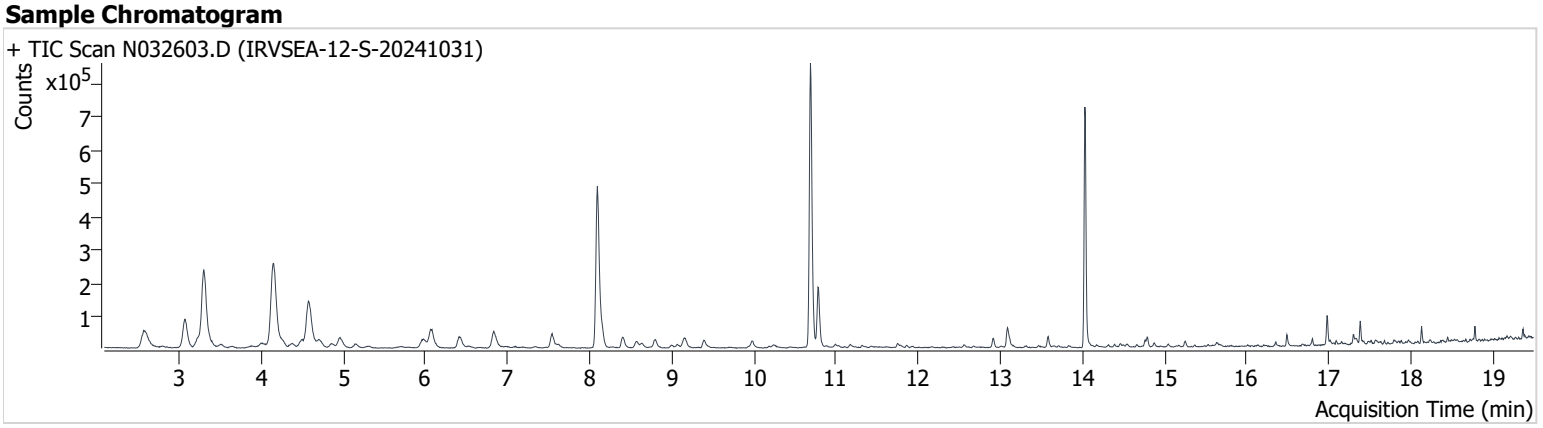
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
51.0
65.0
79.1
97.0
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

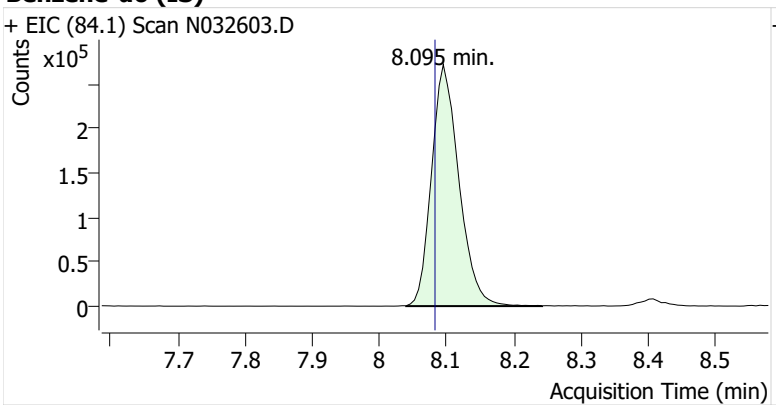
Name	IRVSEA-12-S-20241031
Comment	B43597
Data File	N032603.D
Acq. Date-Time	11/19/2024 2:26:56 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

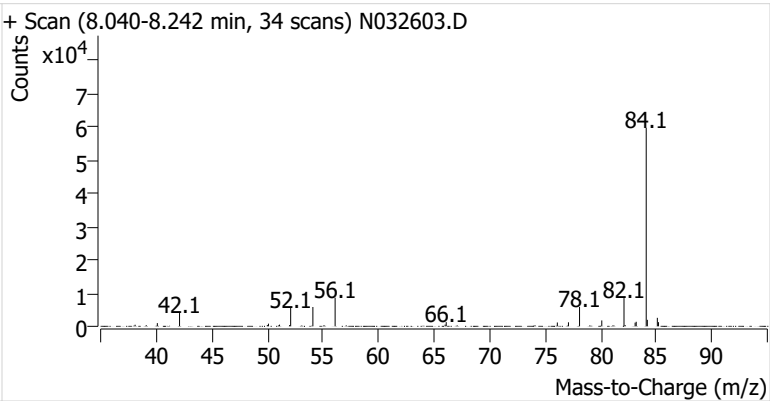
Sample Chromatogram



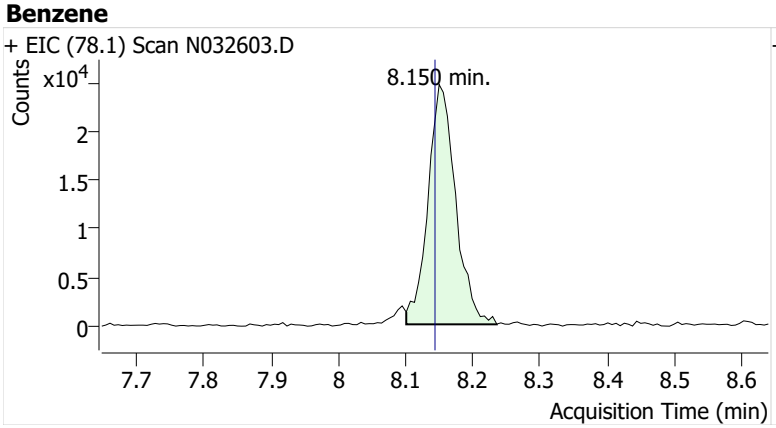
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	769,139	
Benzene	Benzene-d6 (IS)	8.150	8.144	70,299	
Toluene-d8 (IS)		10.689	10.689	761,935	
Toluene	Toluene-d8 (IS)	10.781	10.781	166,205	
Ethylbenzene	Toluene-d8 (IS)	12.910	12.922	24,130	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	54,419	
o-Xylene	Toluene-d8 (IS)	13.583	13.595	21,476	

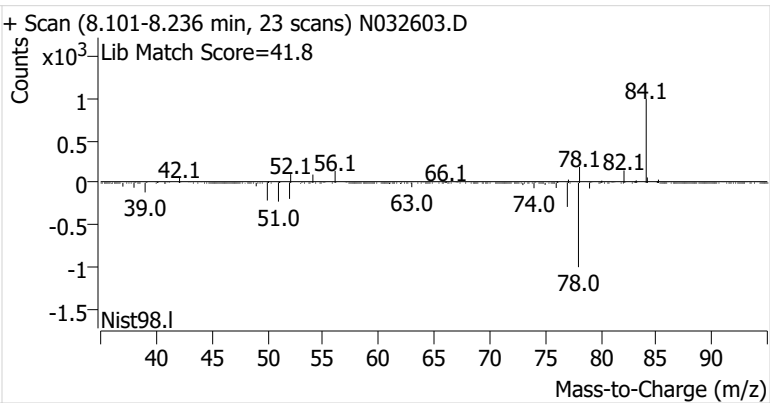
Benzene-d6 (IS)



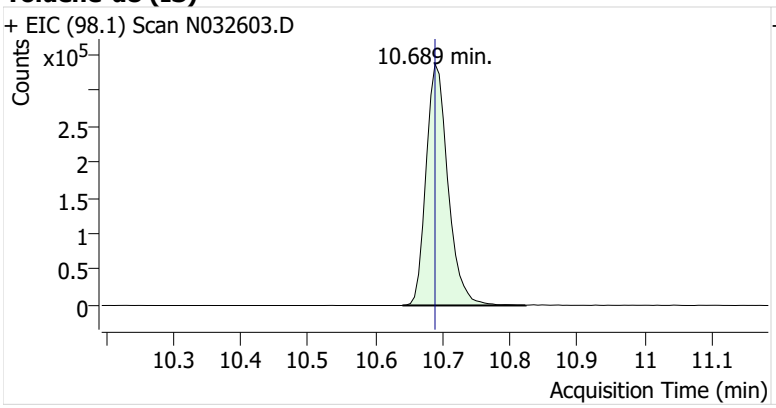


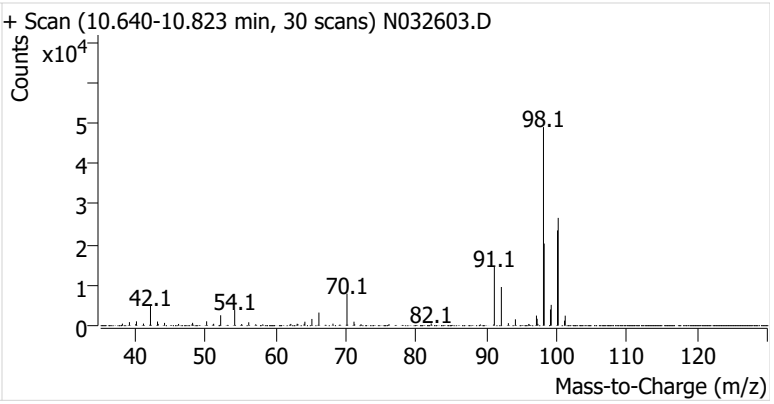
Benzene



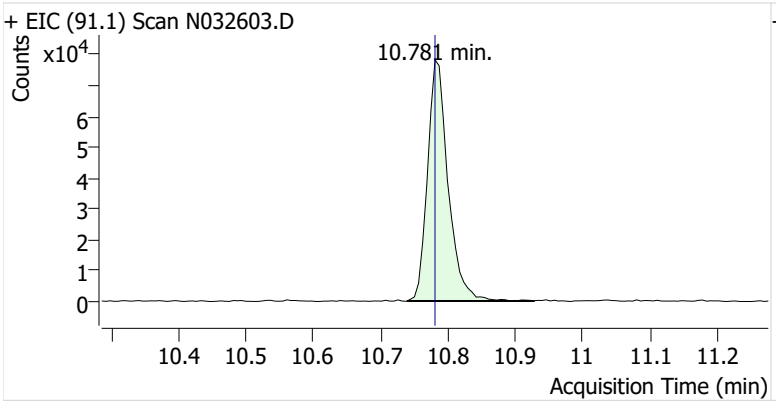


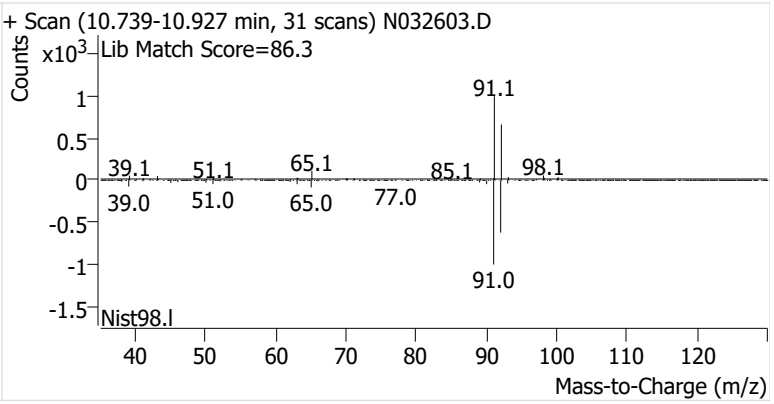
Toluene-d8 (IS)



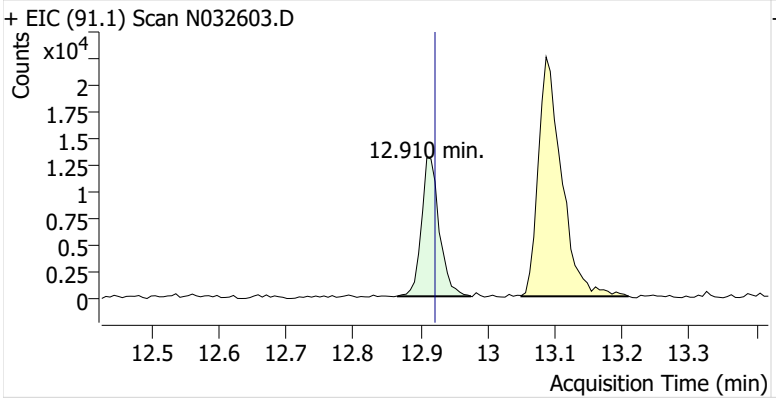


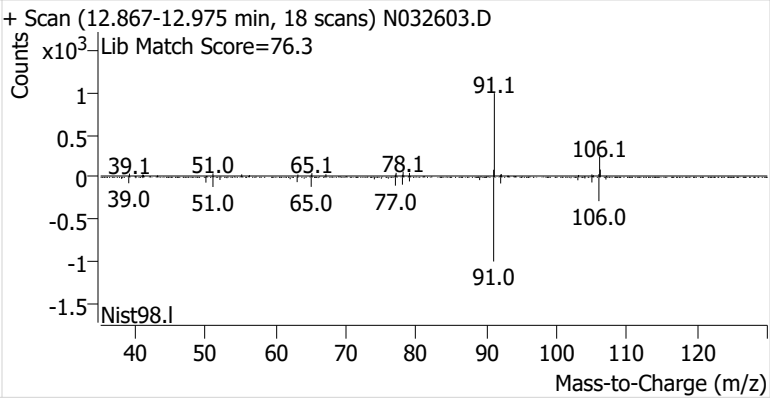
Toluene



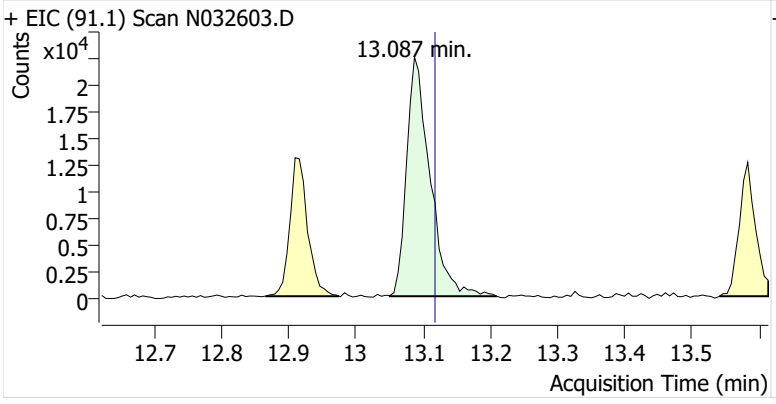


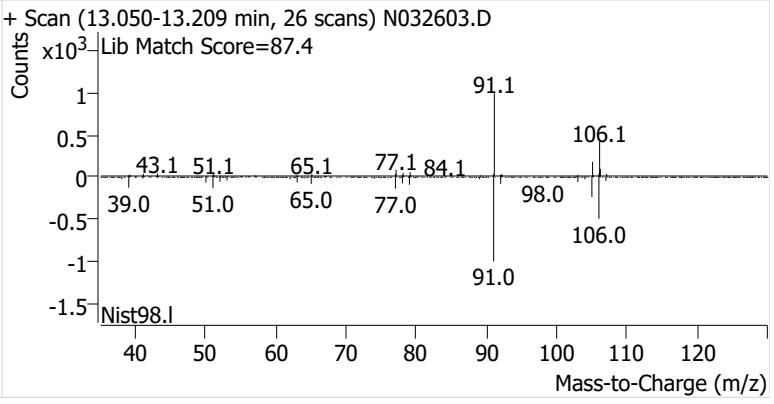
Ethylbenzene



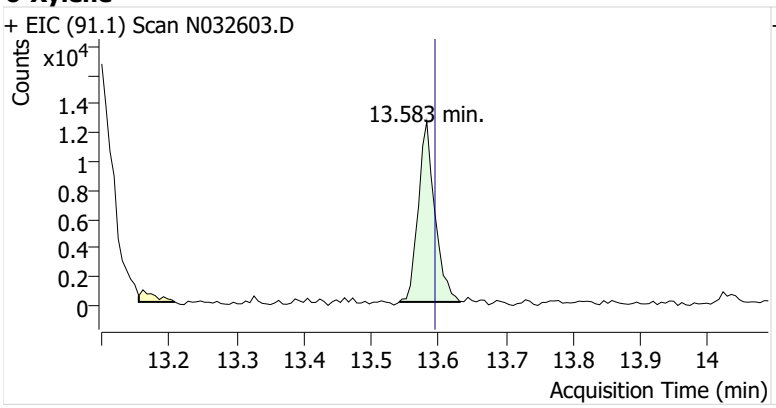


m-/p-Xylenes





o-Xylene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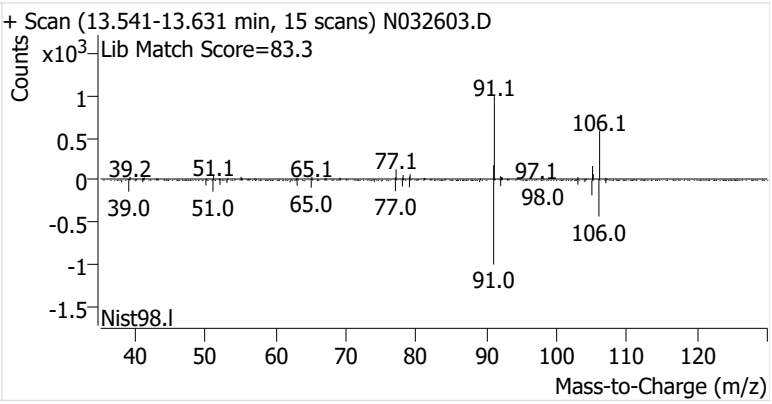
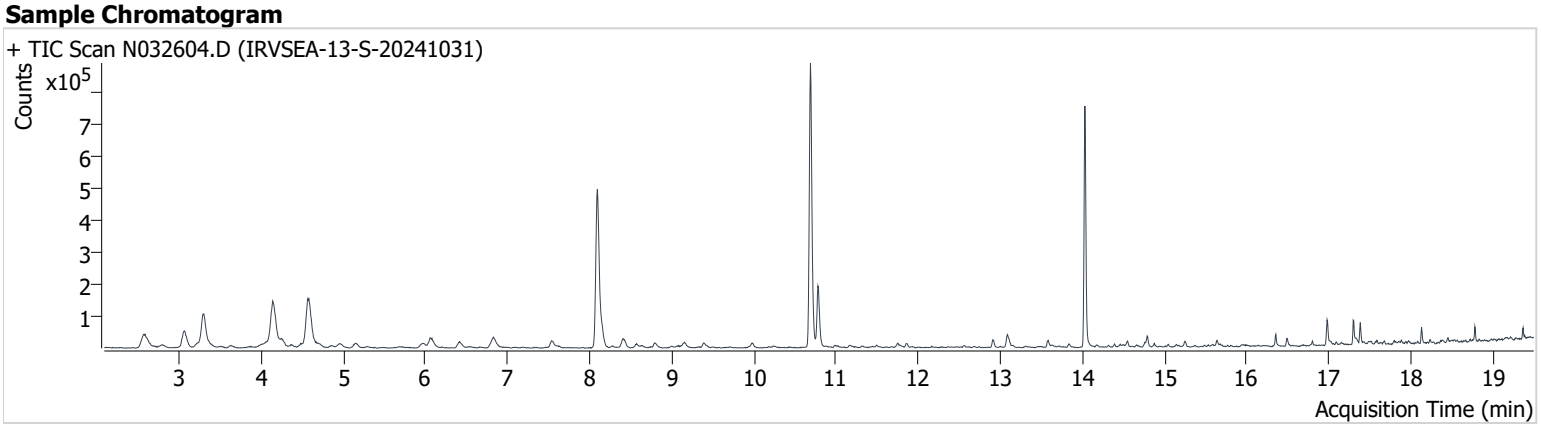
Counts
x10^4
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13.583 min.
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.541-13.631 min, 15 scans) N032603.D
Lib Match Score=83.3
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.2
51.1
65.1
77.1
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

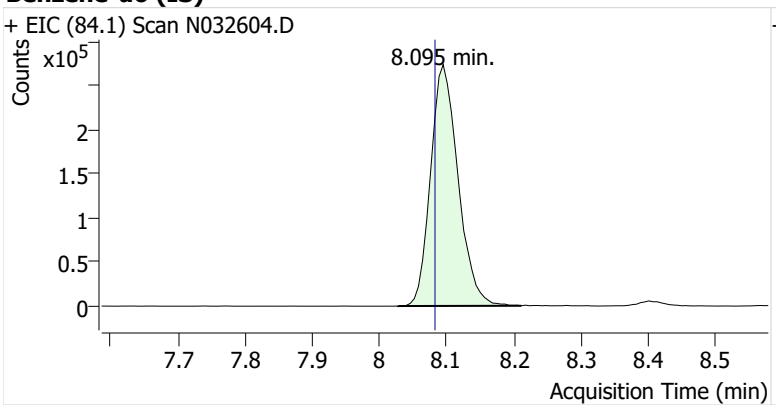
Name	IRVSEA-13-S-20241031
Comment	B14628
Data File	N032604.D
Acq. Date-Time	11/19/2024 3:06:51 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

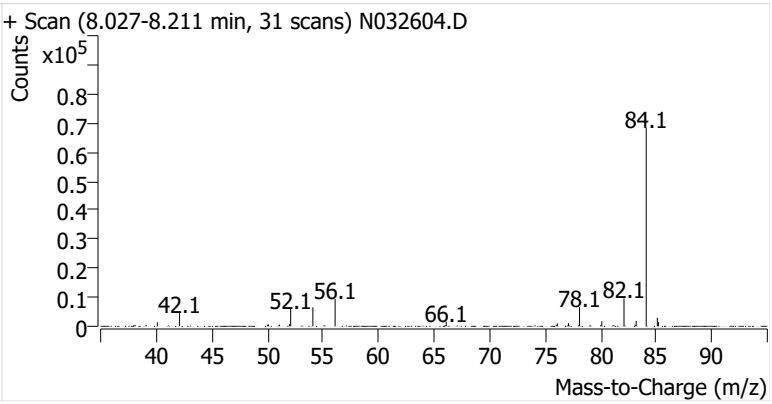
Sample Chromatogram



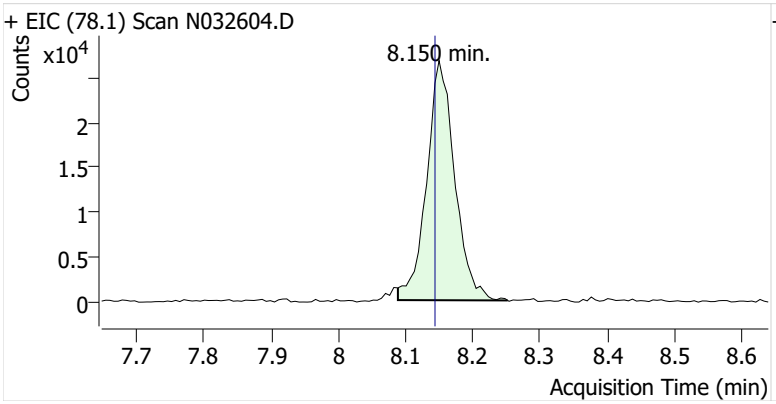
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	776,542	
Benzene	Benzene-d6 (IS)	8.150	8.144	77,521	
Toluene-d8 (IS)		10.689	10.689	775,765	
Toluene	Toluene-d8 (IS)	10.780	10.781	174,763	
Ethylbenzene	Toluene-d8 (IS)	12.909	12.922	19,516	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	36,474	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	15,067	

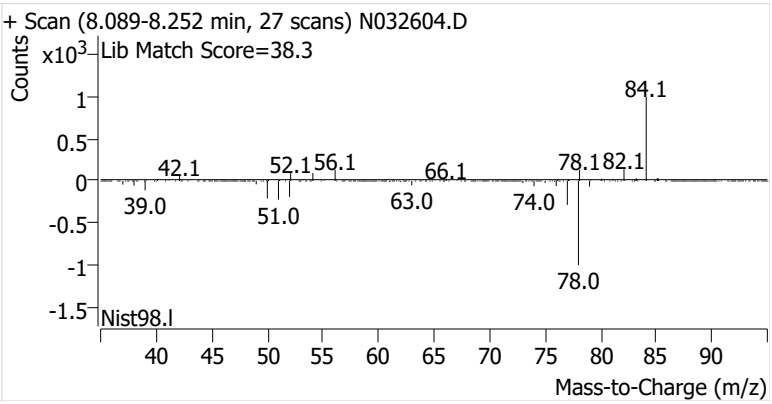
Benzene-d6 (IS)



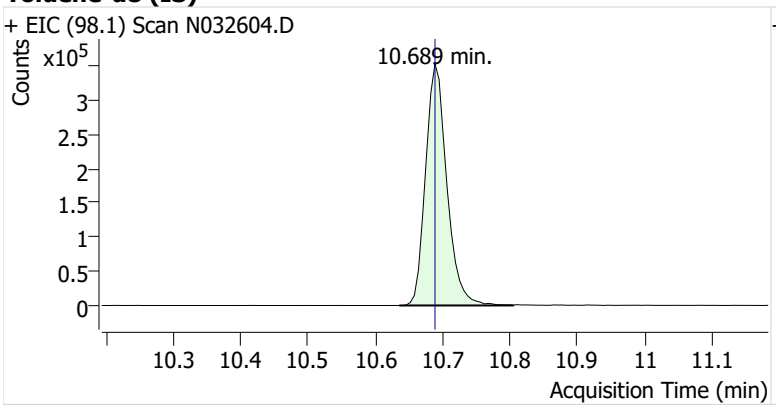


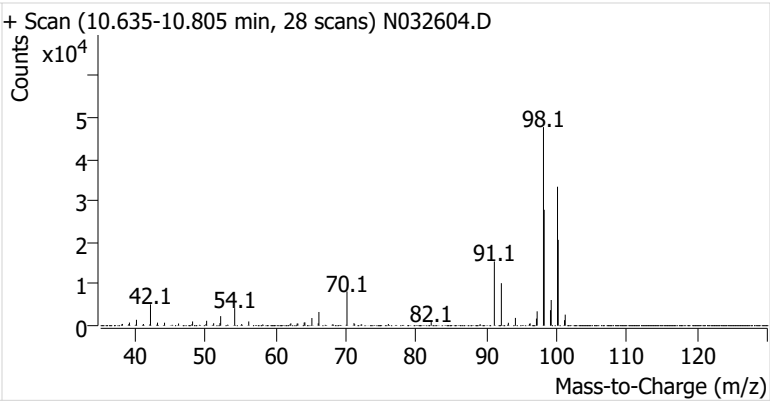
Benzene



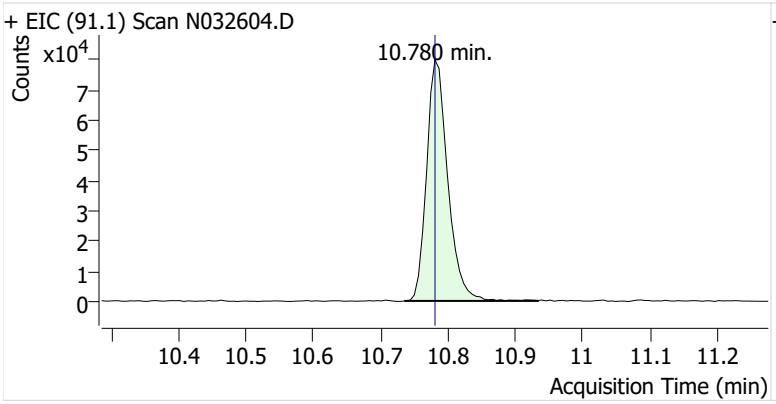


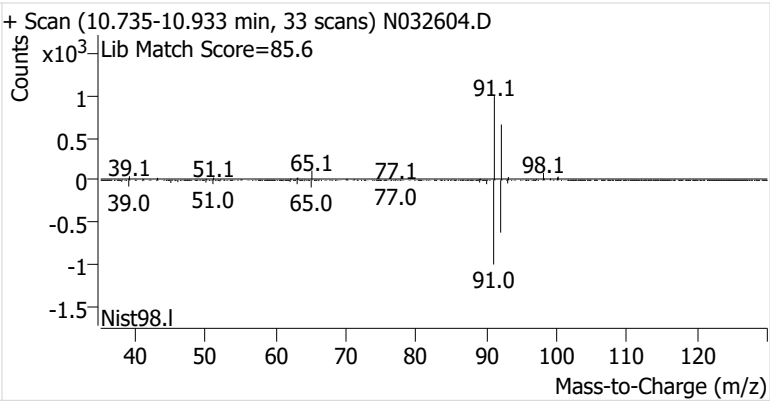
Toluene-d8 (IS)



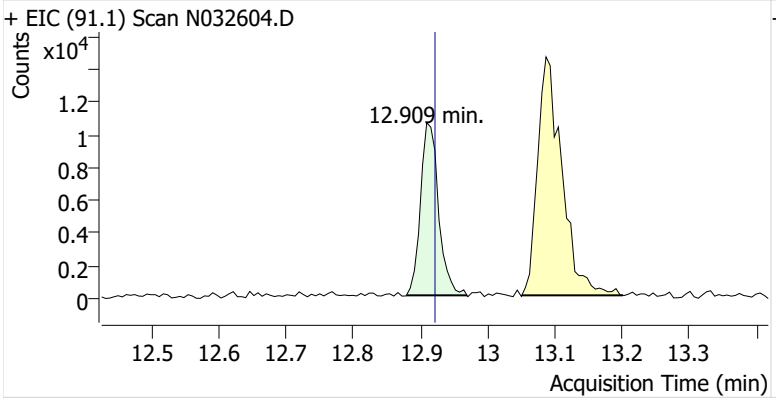


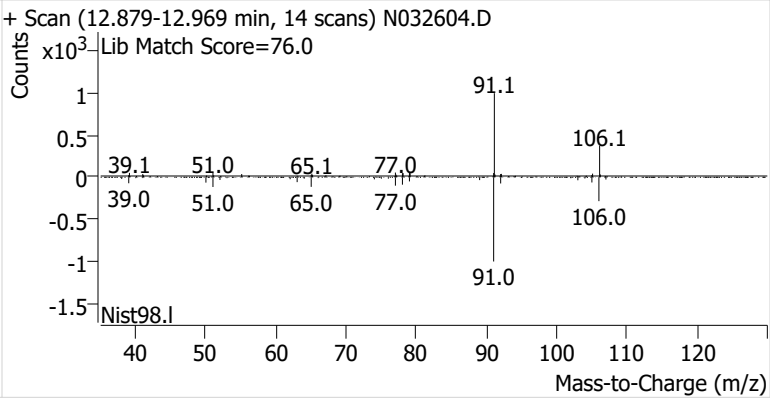
Toluene



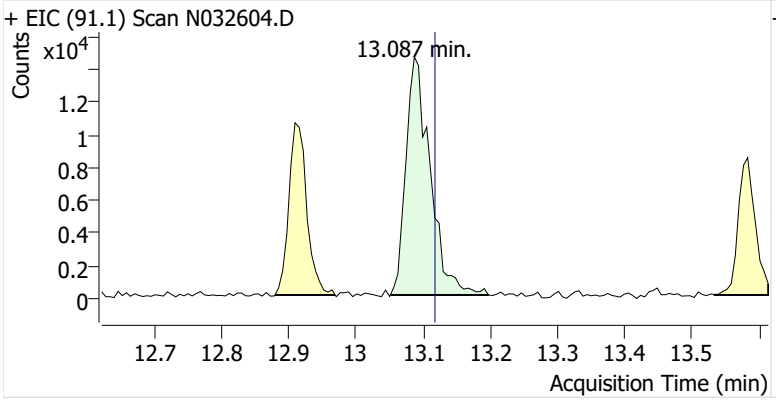


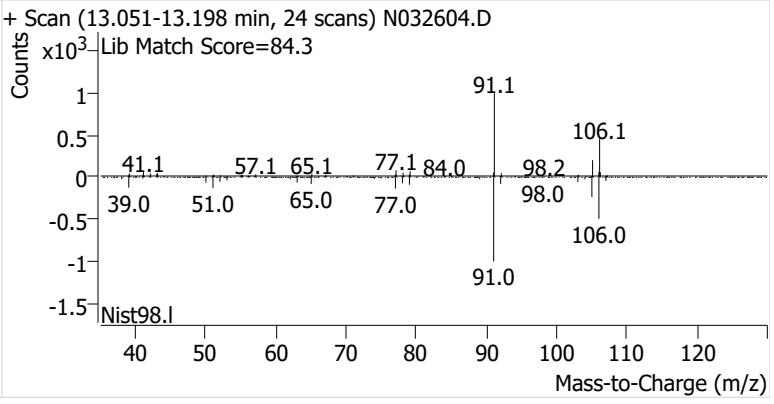
Ethylbenzene



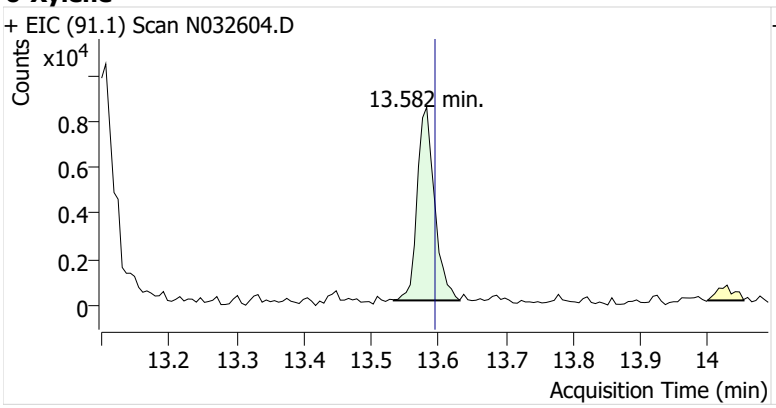


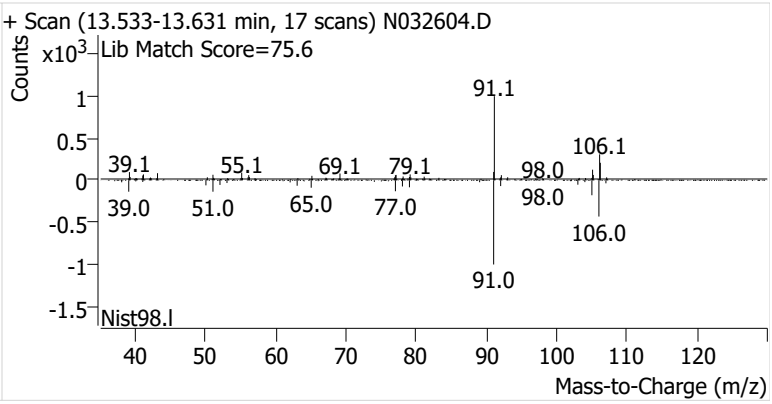
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan N032604.D
Counts
x10^4
13.582 min.
0.8
0.6
0.4
0.2
0
13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.533-13.631 min, 17 scans) N032604.D
Lib Match Score=75.6
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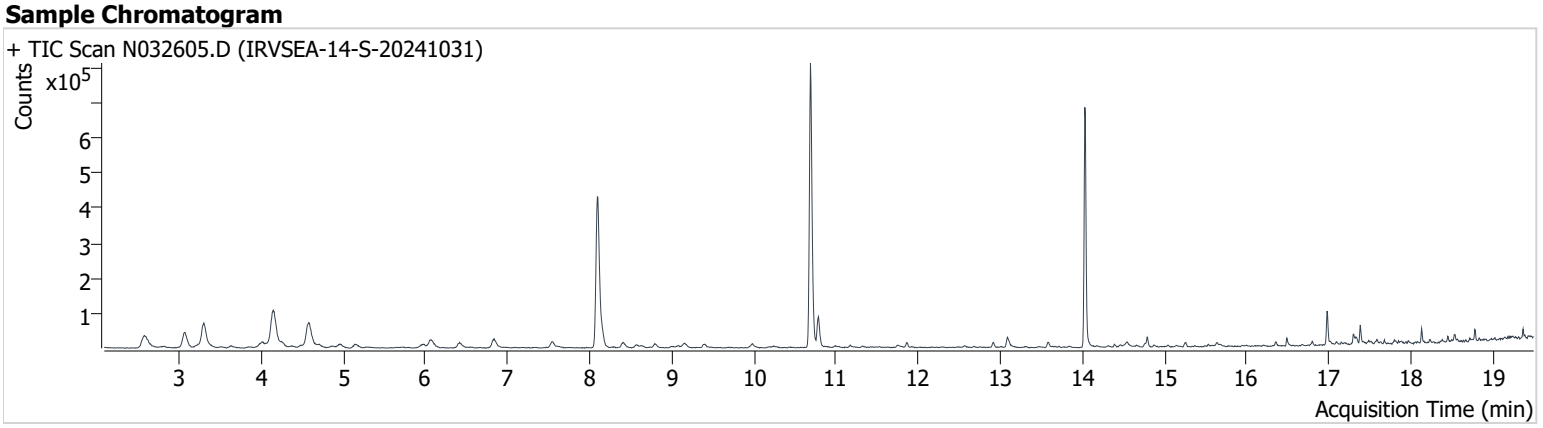
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
79.1
98.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

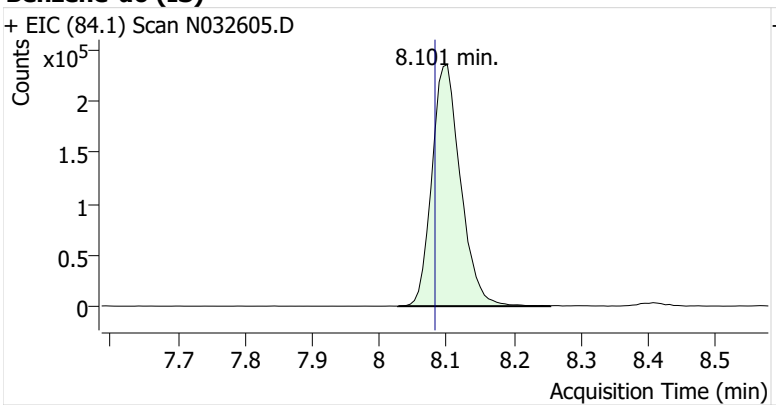
Name	IRVSEA-14-S-20241031
Comment	B14145
Data File	N032605.D
Acq. Date-Time	11/19/2024 3:46:45 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

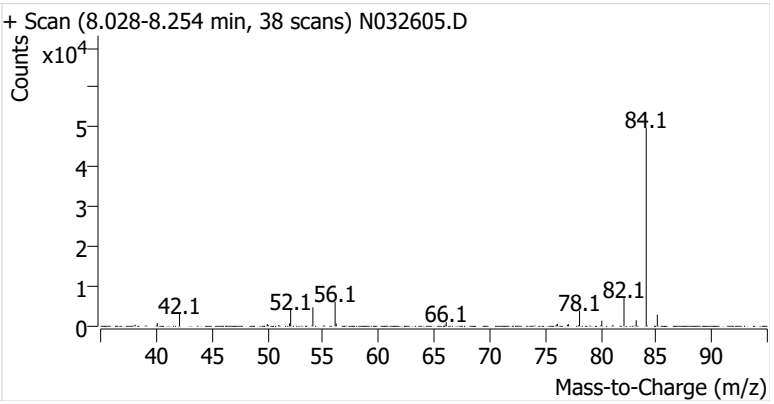
Sample Chromatogram



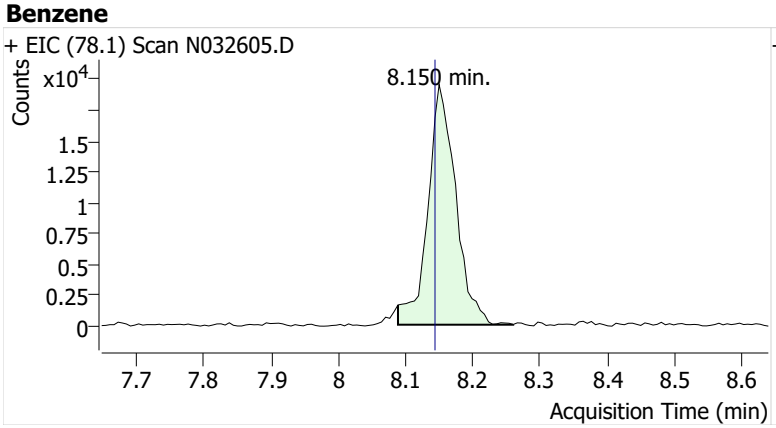
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.101	8.083	699,827	
Benzene	Benzene-d6 (IS)	8.150	8.144	56,135	
Toluene-d8 (IS)		10.689	10.689	703,832	
Toluene	Toluene-d8 (IS)	10.787	10.781	77,463	
Ethylbenzene	Toluene-d8 (IS)	12.916	12.922	11,308	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	25,830	
o-Xylene	Toluene-d8 (IS)	13.576	13.595	9,584	

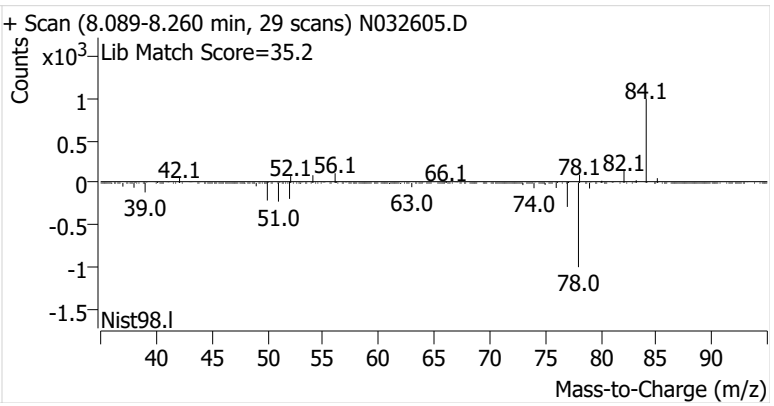
Benzene-d6 (IS)



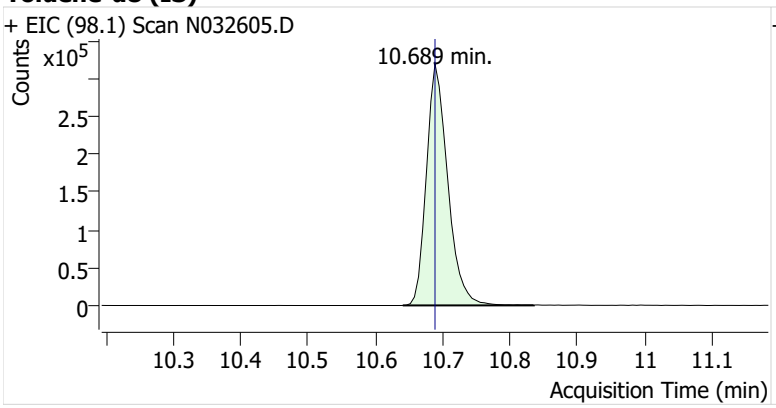


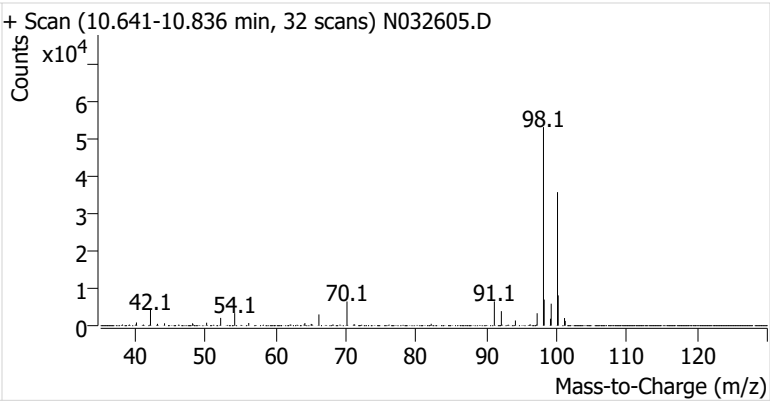
Benzene



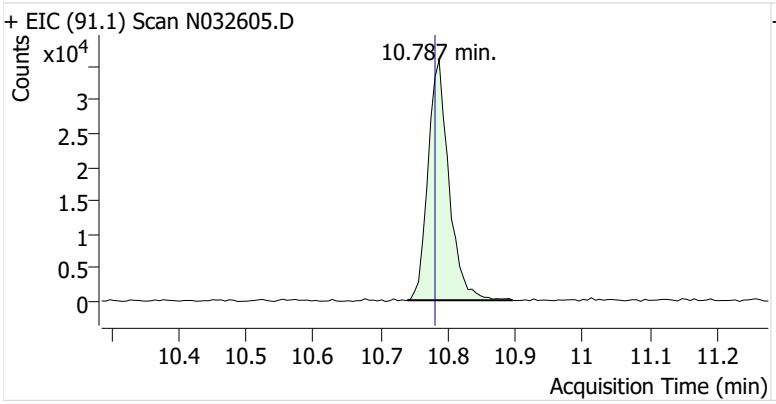


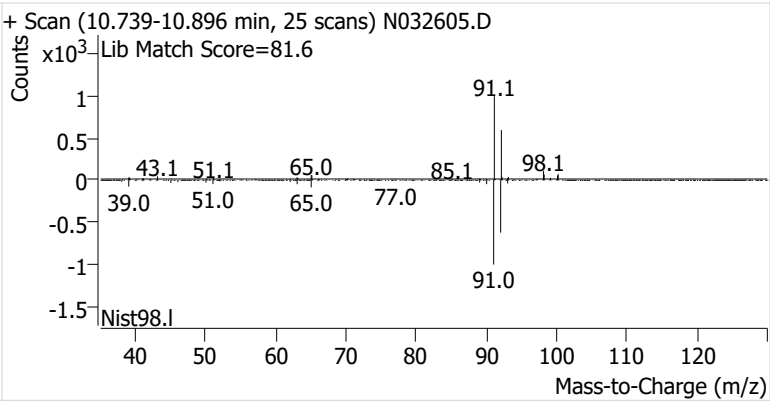
Toluene-d8 (IS)



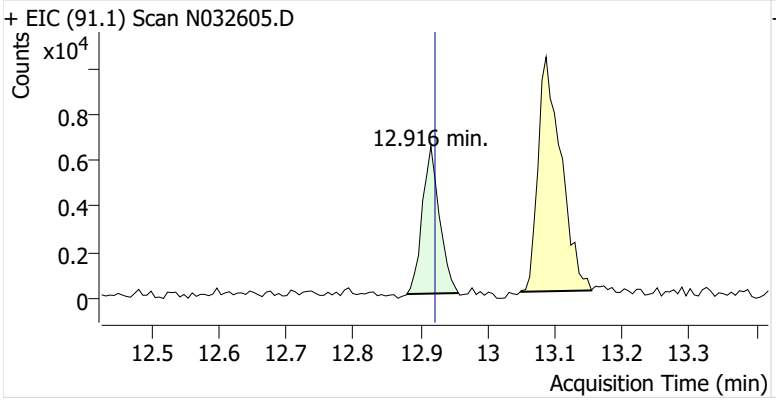


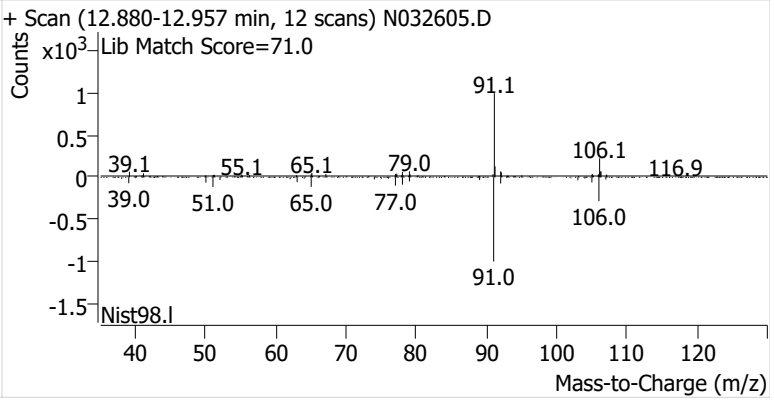
Toluene



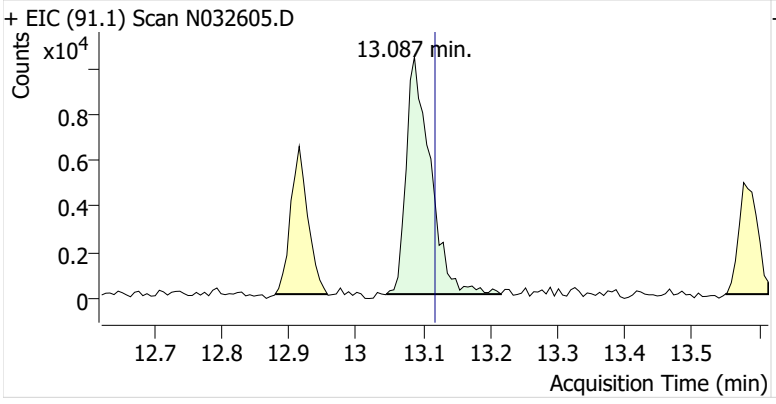


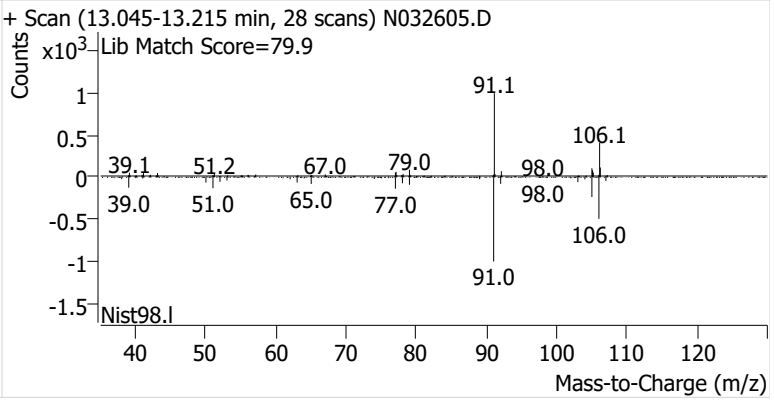
Ethylbenzene



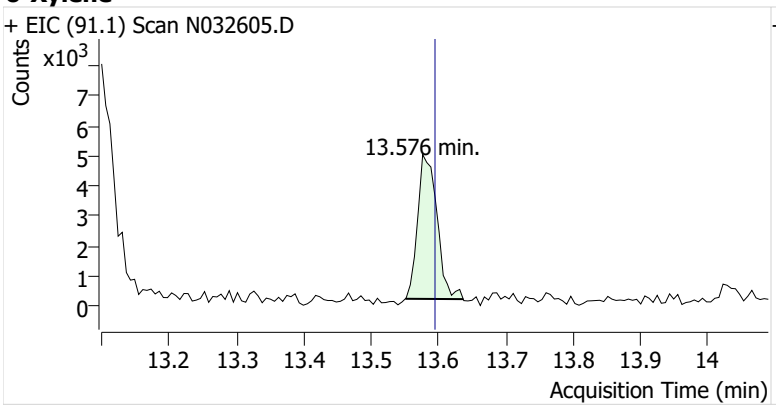


m-/p-Xylenes





o-Xylene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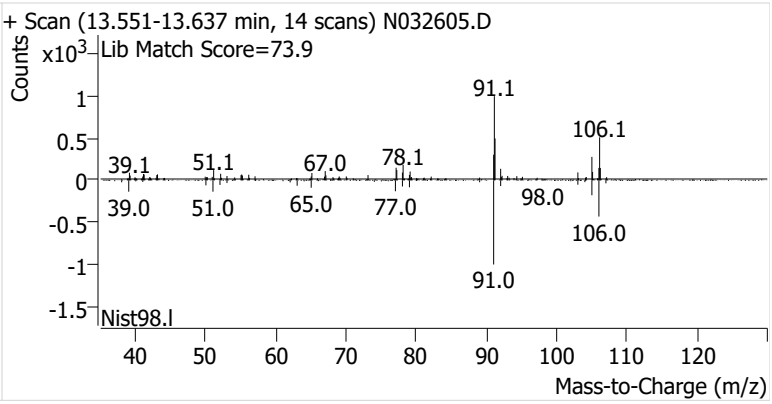
Counts
x10^3
13.576 min.
Acquisition Time (min)


+ Scan (13.551-13.637 min, 14 scans) N032605.D
Lib Match Score=73.9
Counts
x10^3
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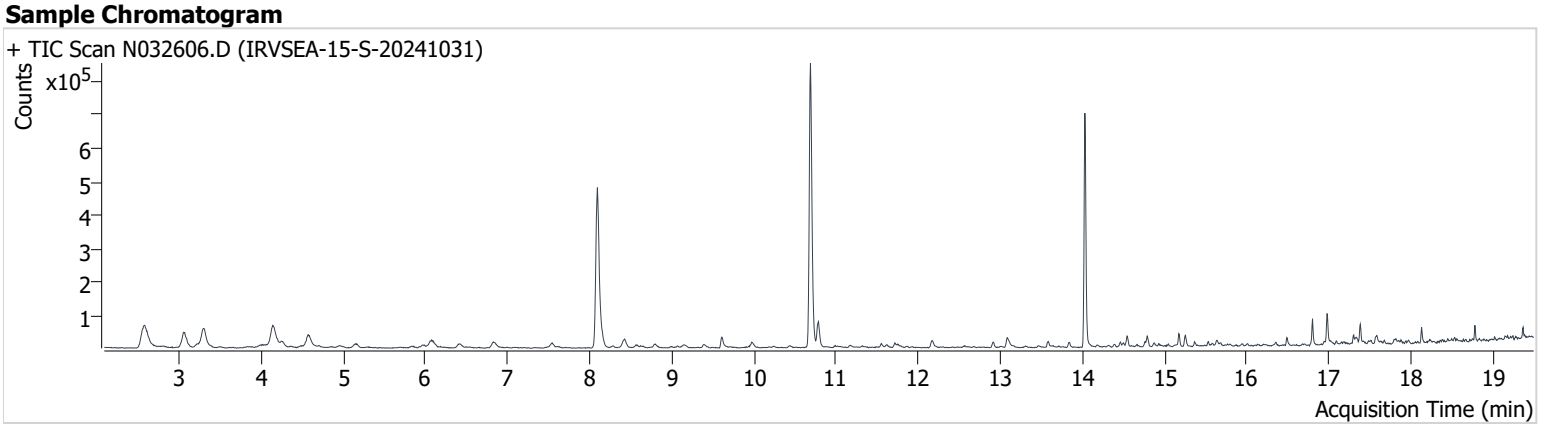
106.1
39.1
51.1
67.0
78.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

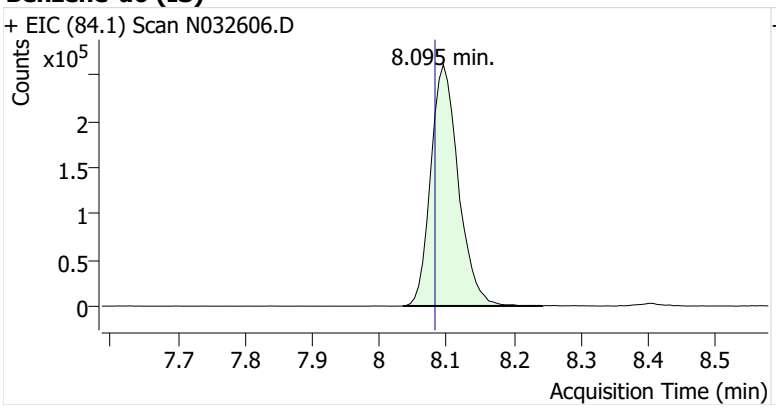
Name	IRVSEA-15-S-20241031
Comment	C43709
Data File	N032606.D
Acq. Date-Time	11/19/2024 4:26:40 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

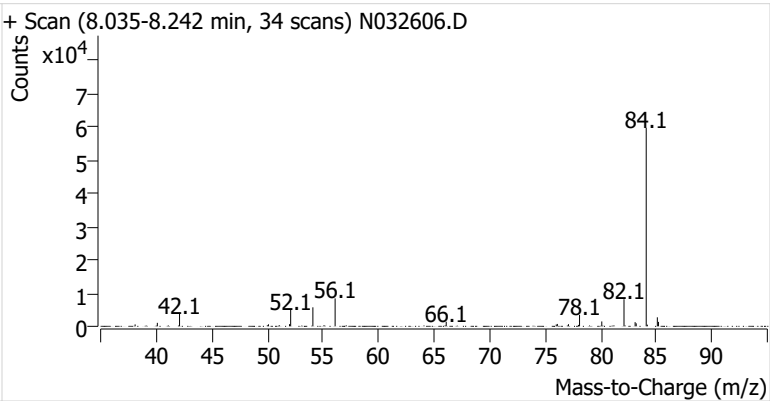
Sample Chromatogram



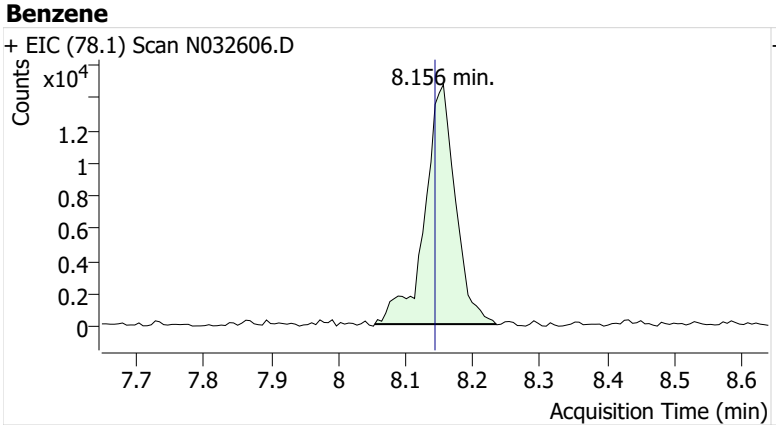
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	747,984	
Benzene	Benzene-d6 (IS)	8.156	8.144	46,670	
Toluene-d8 (IS)		10.689	10.689	753,064	
Toluene	Toluene-d8 (IS)	10.787	10.781	70,479	
Ethylbenzene	Toluene-d8 (IS)	12.910	12.922	13,277	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	27,793	
o-Xylene	Toluene-d8 (IS)	13.583	13.595	12,270	

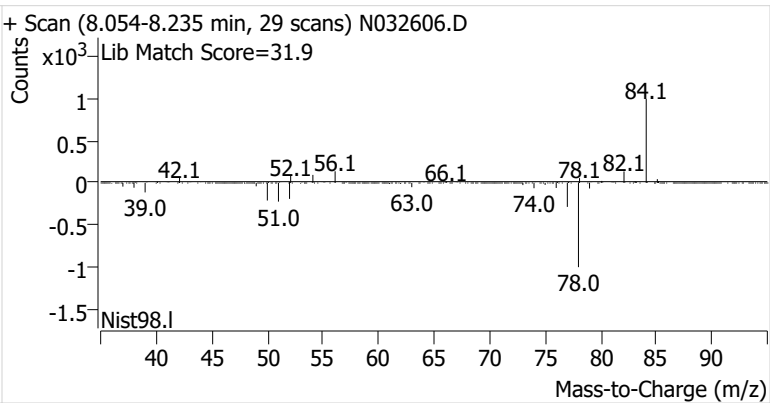
Benzene-d6 (IS)



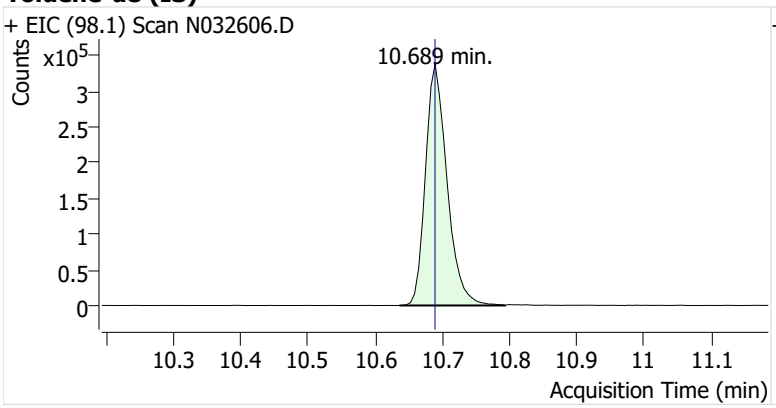


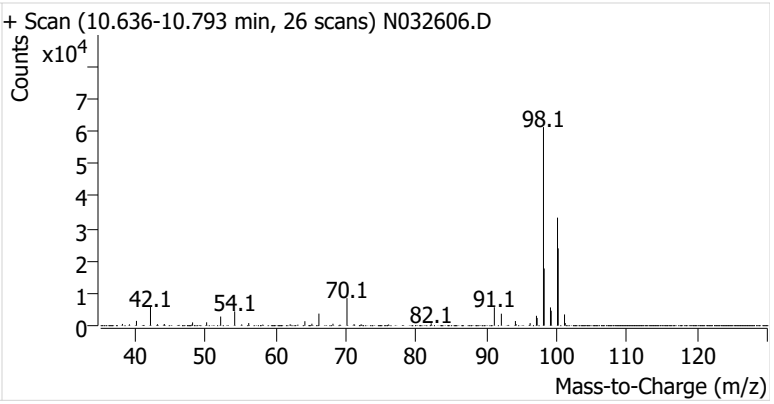
Benzene



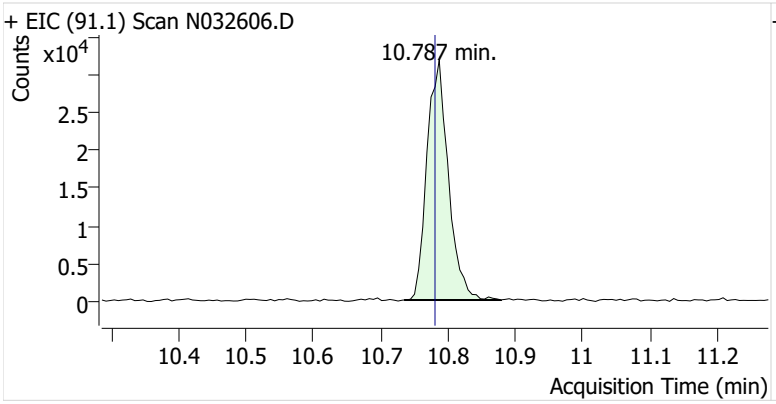


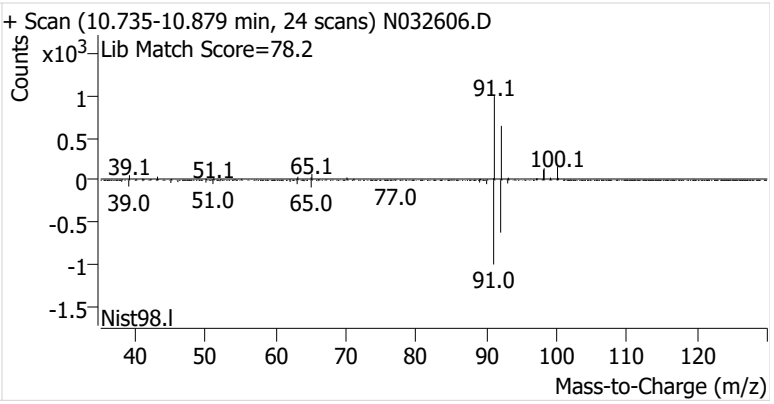
Toluene-d8 (IS)



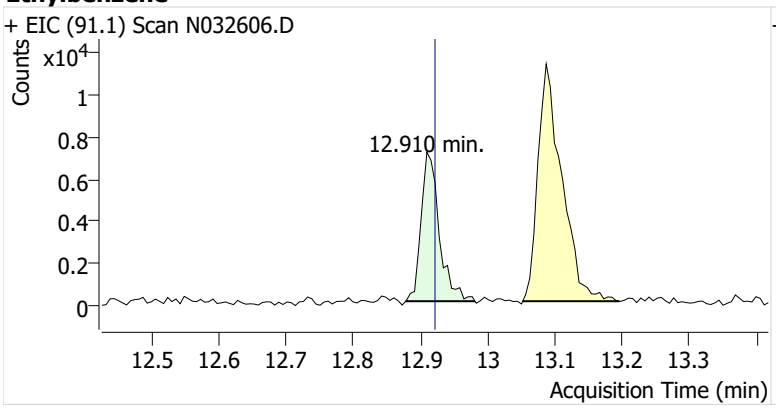


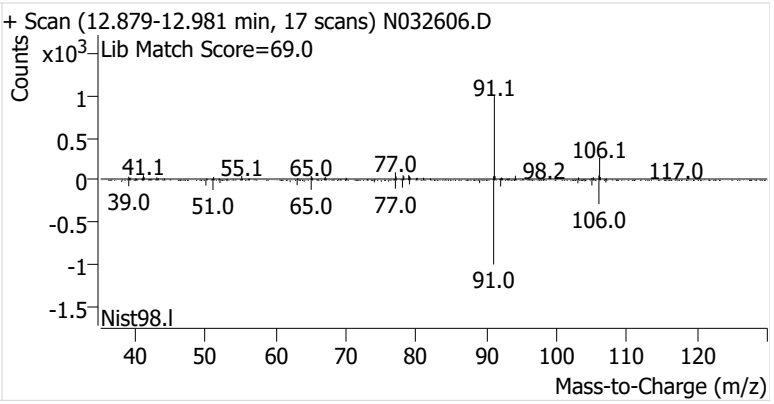
Toluene



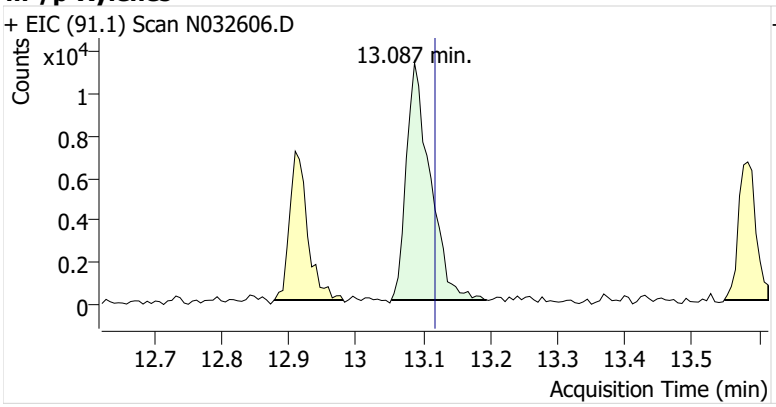


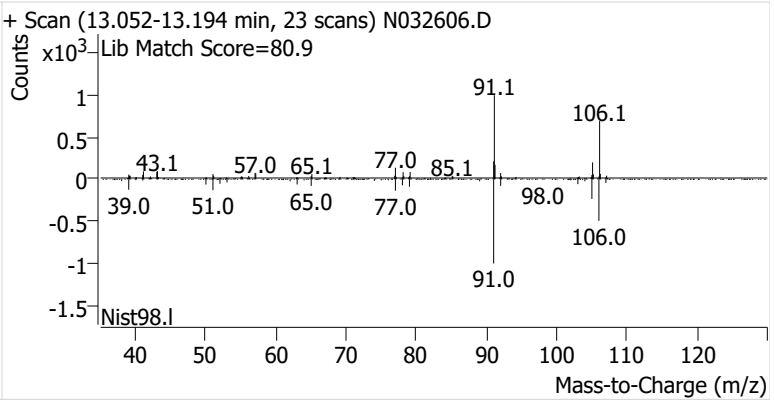
Ethylbenzene



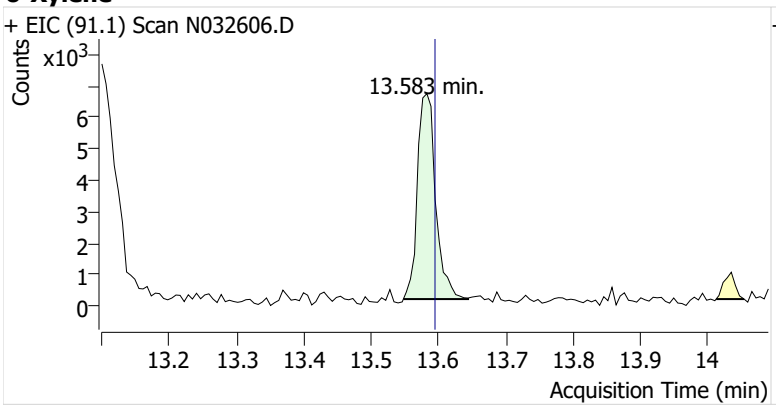


m-/p-Xylenes





o-Xylene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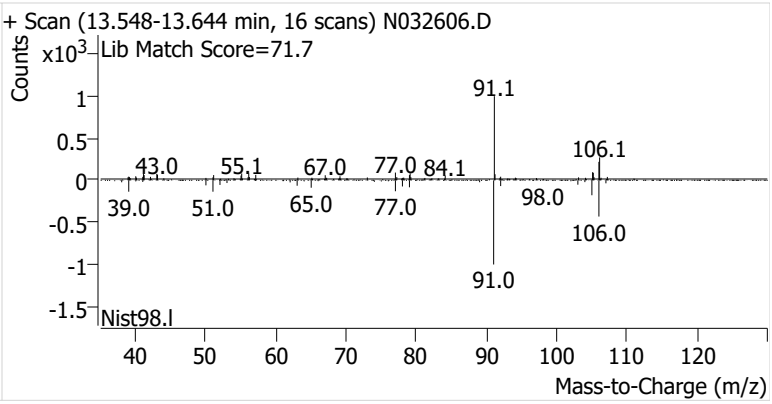
x10^3
13.583 min.
Acquisition Time (min)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55.1
67.0
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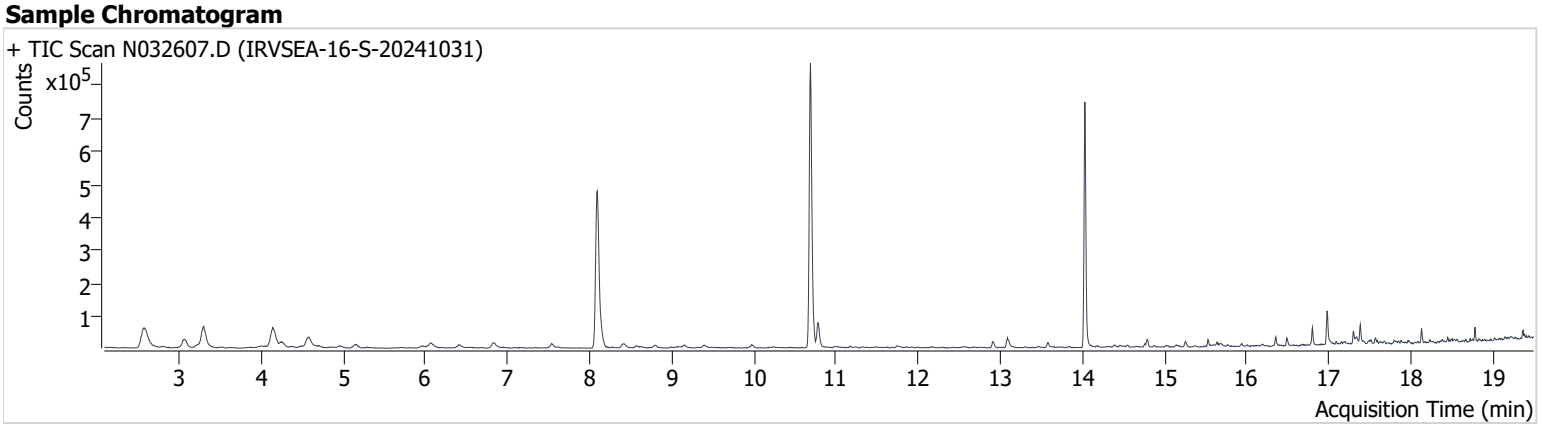
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

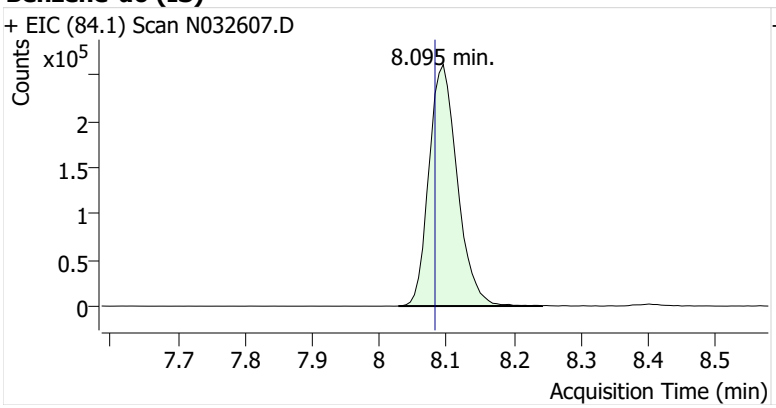
Name	IRVSEA-16-S-20241031
Comment	C01392
Data File	N032607.D
Acq. Date-Time	11/19/2024 5:06:33 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

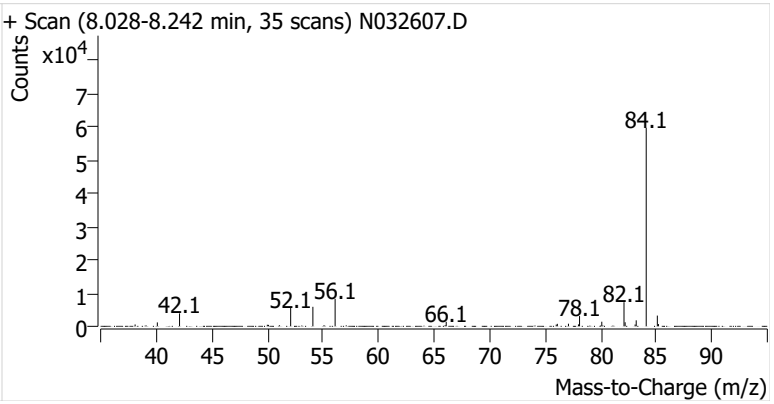
Sample Chromatogram



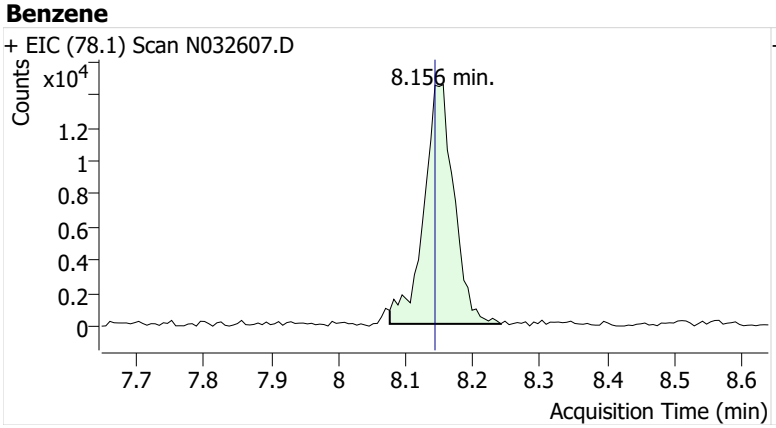
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	765,257	
Benzene	Benzene-d6 (IS)	8.156	8.144	45,532	
Toluene-d8 (IS)		10.689	10.689	755,738	
Toluene	Toluene-d8 (IS)	10.781	10.781	70,471	
Ethylbenzene	Toluene-d8 (IS)	12.910	12.922	14,977	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	25,548	
o-Xylene	Toluene-d8 (IS)	13.582	13.595	9,935	

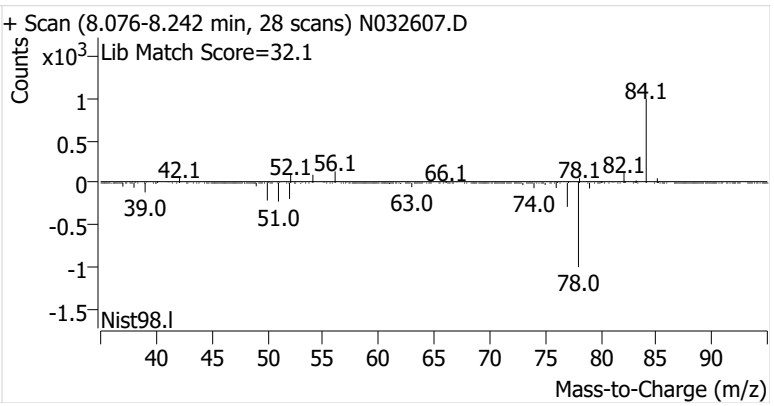
Benzene-d6 (IS)



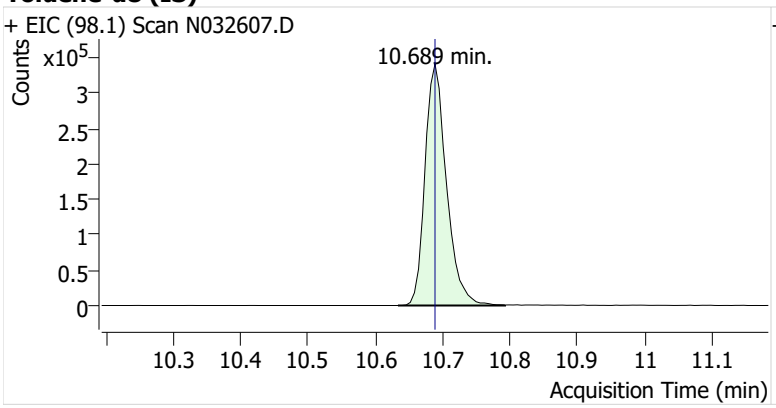


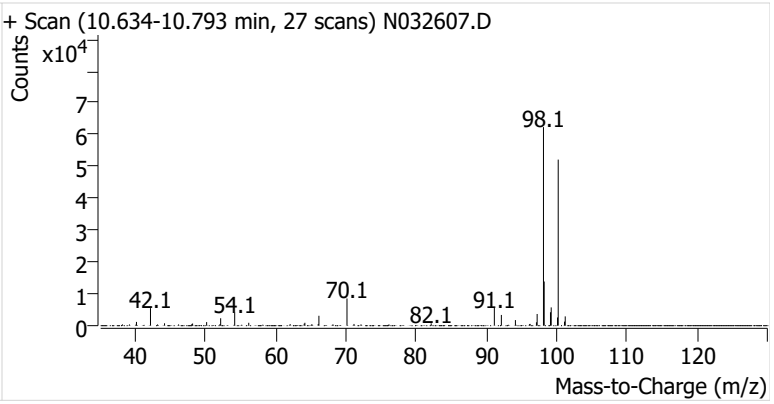
Benzene



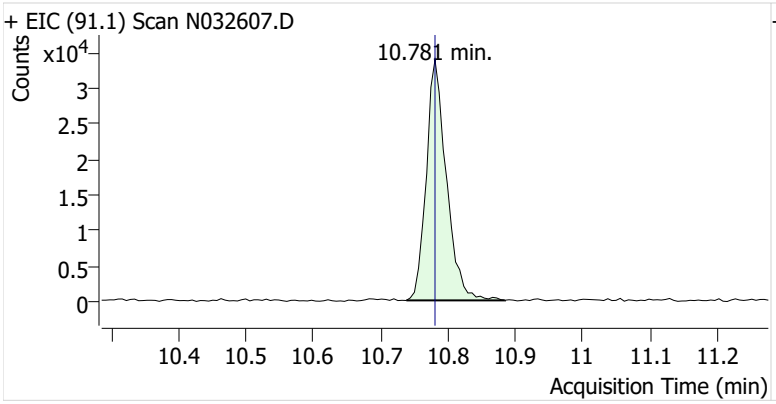


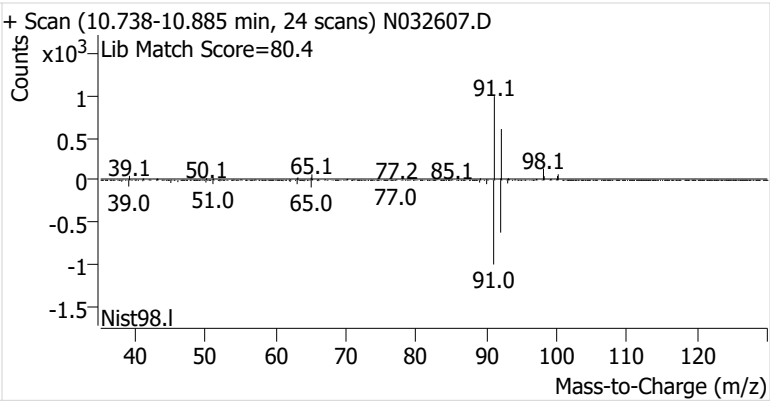
Toluene-d8 (IS)



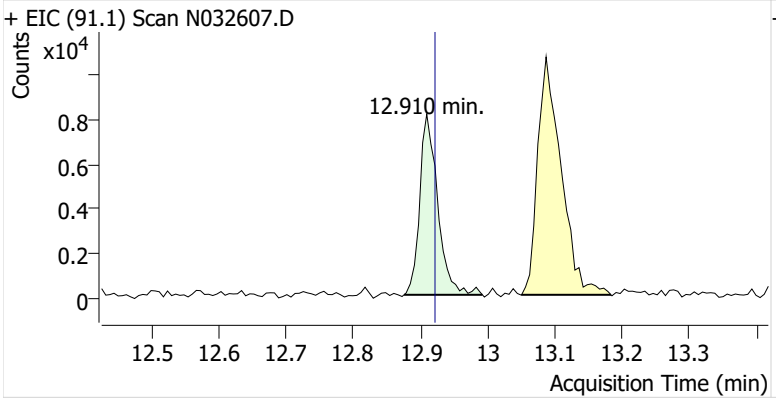


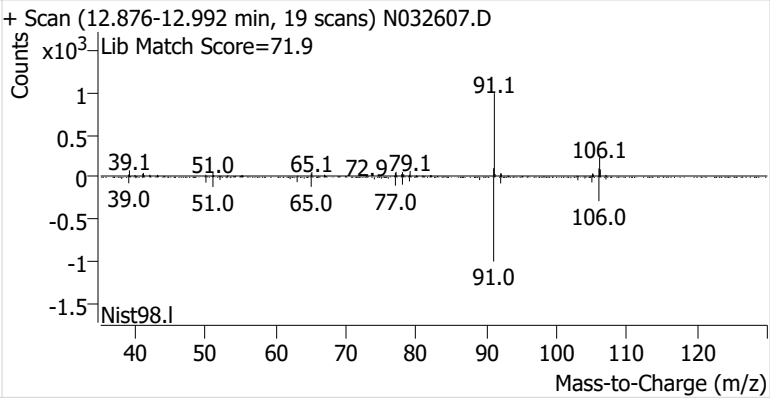
Toluene



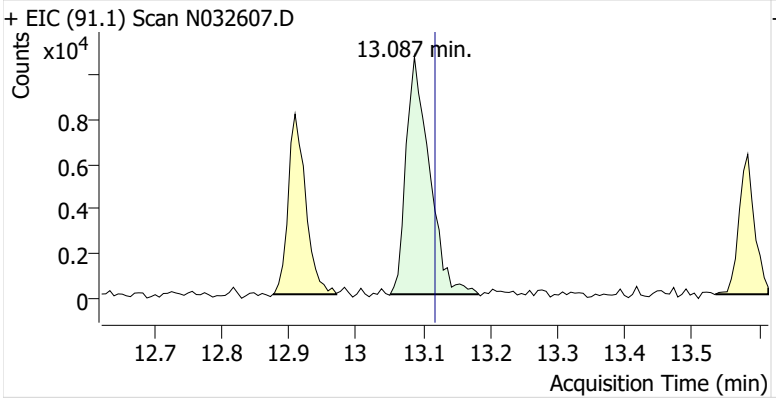


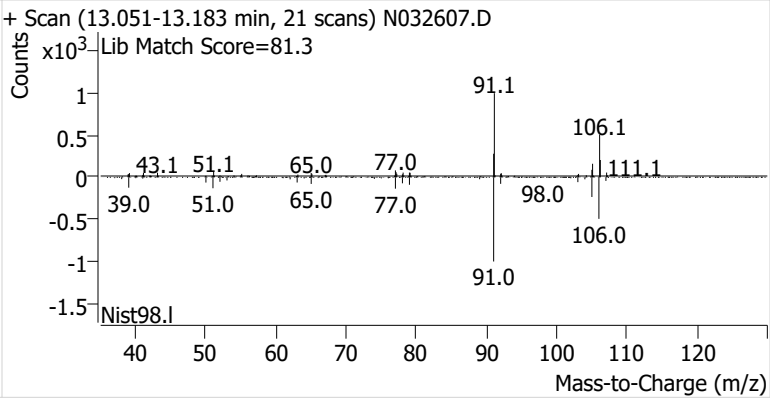
Ethylbenzene



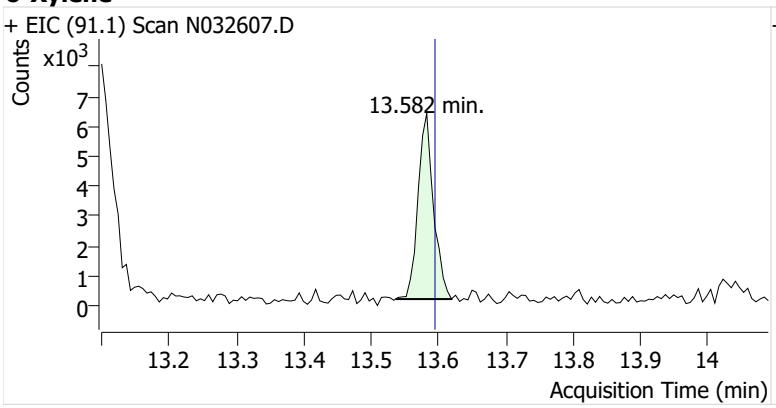


m-/p-Xylenes





o-Xylene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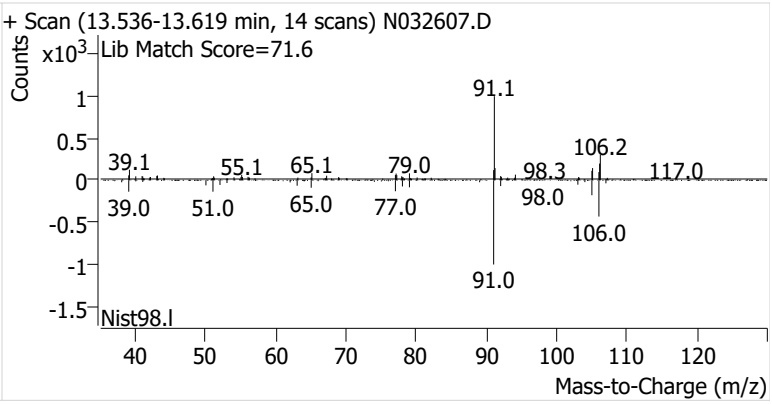
Acquisition Time (min)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Lib Match Score=71.6
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106.2
39.1
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79.0
98.3
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77.0
98.0
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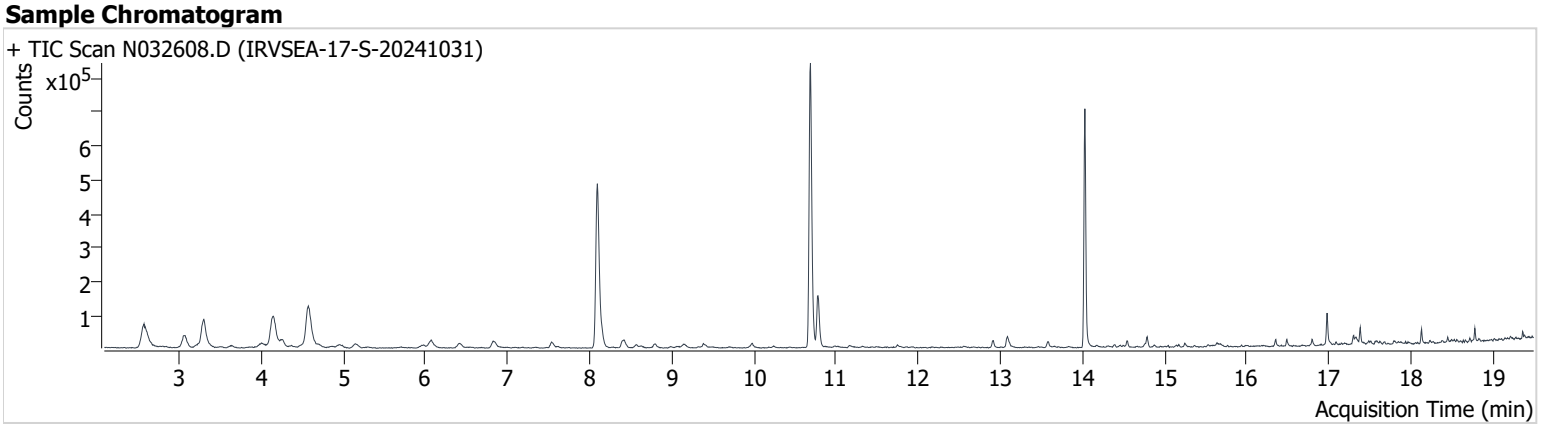
91.0
Nist98.l
Mass-to-Charge (m/z)

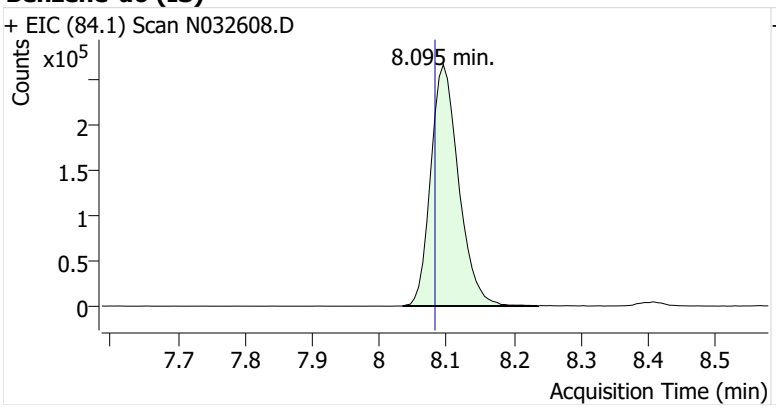
Name	IRVSEA-17-S-20241031
Comment	B29721
Data File	N032608.D
Acq. Date-Time	11/19/2024 5:46:29 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

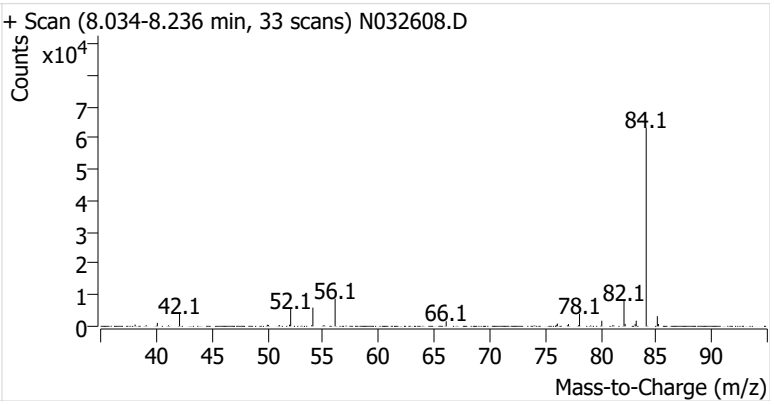
Sample Chromatogram



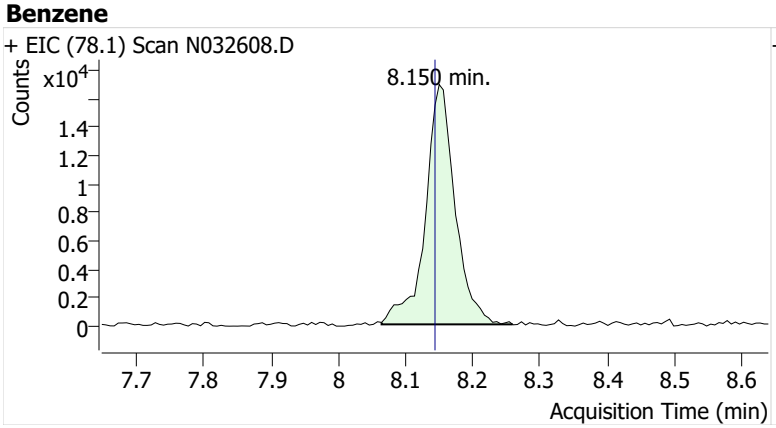
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.095	8.083	767,870	
Benzene	Benzene-d6 (IS)	8.150	8.144	51,913	
Toluene-d8 (IS)		10.689	10.689	757,077	
Toluene	Toluene-d8 (IS)	10.781	10.781	148,026	
Ethylbenzene	Toluene-d8 (IS)	12.916	12.922	16,965	
m-/p-Xylenes	Toluene-d8 (IS)	13.087	13.118	28,897	
o-Xylene	Toluene-d8 (IS)	13.583	13.595	12,587	

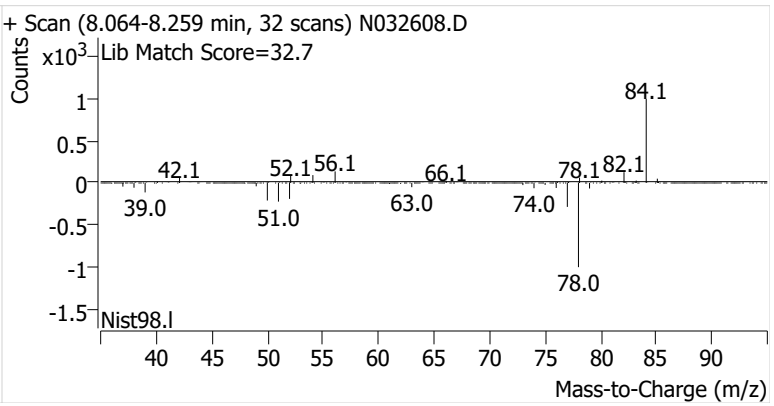
Benzene-d6 (IS)



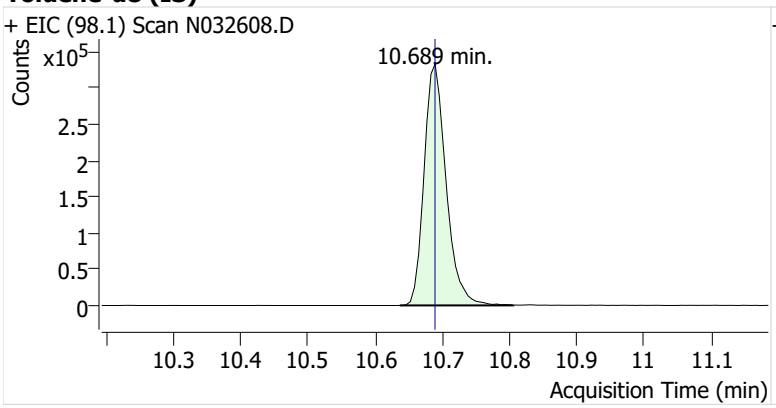


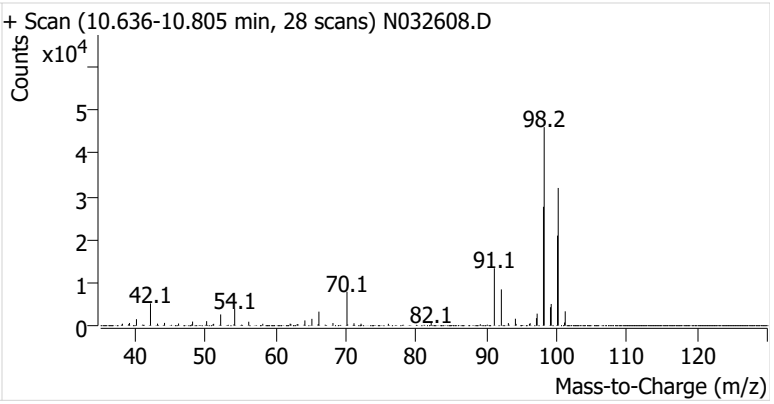
Benzene



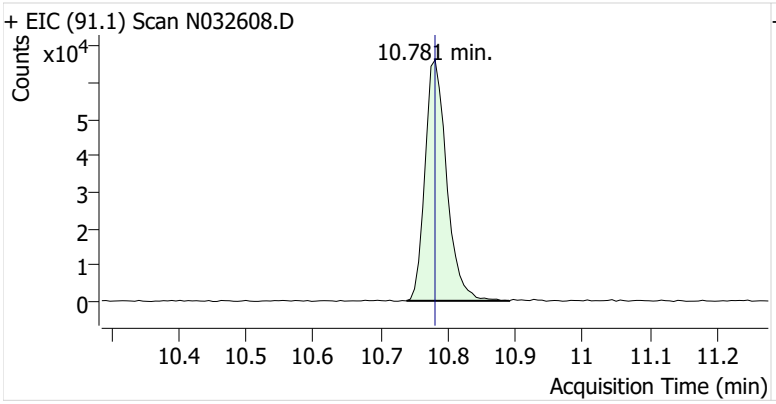


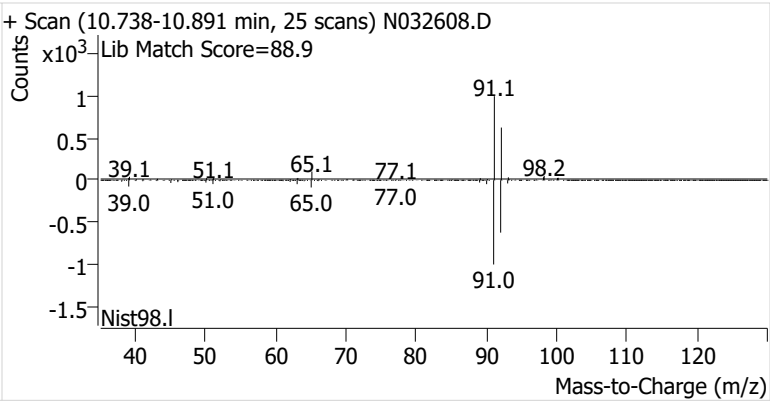
Toluene-d8 (IS)



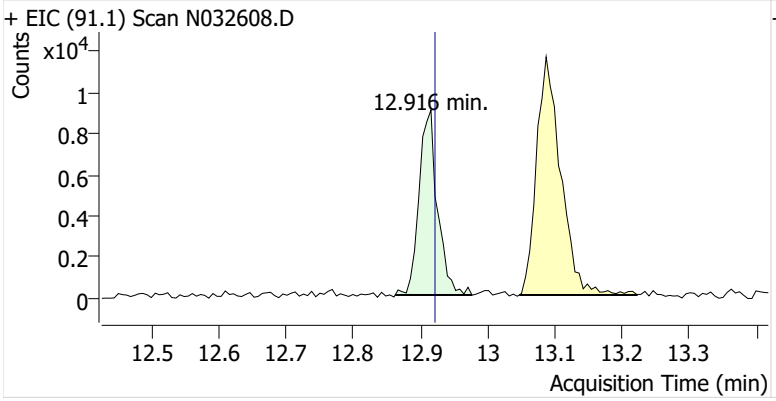


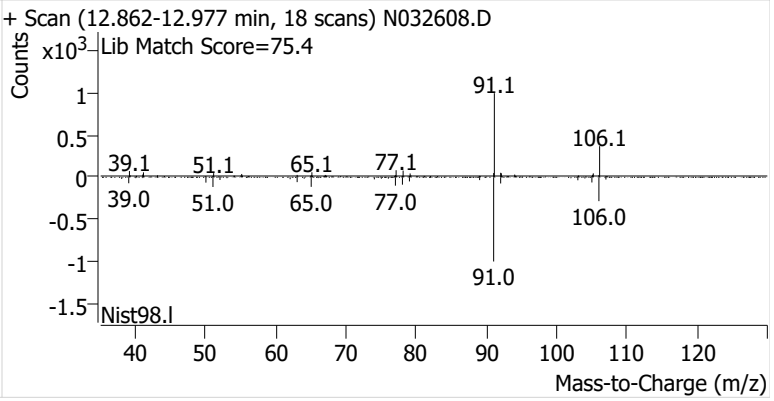
Toluene



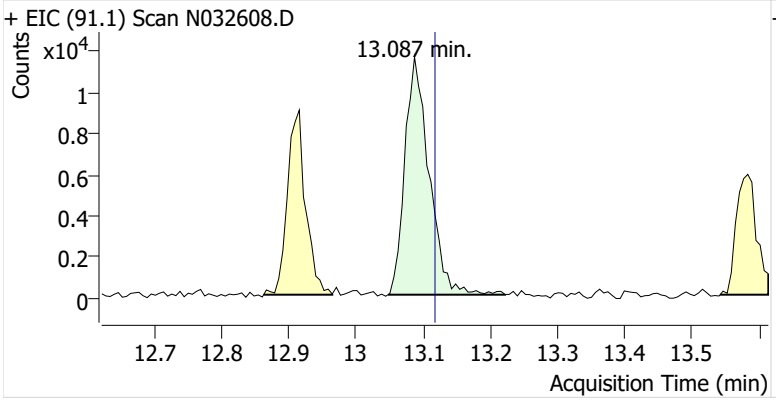


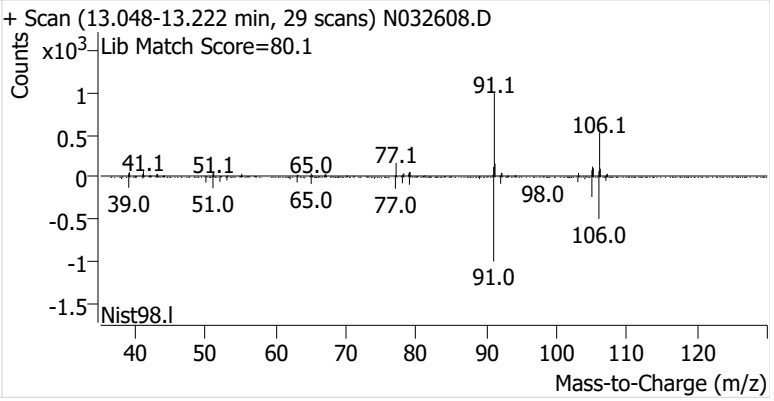
Ethylbenzene



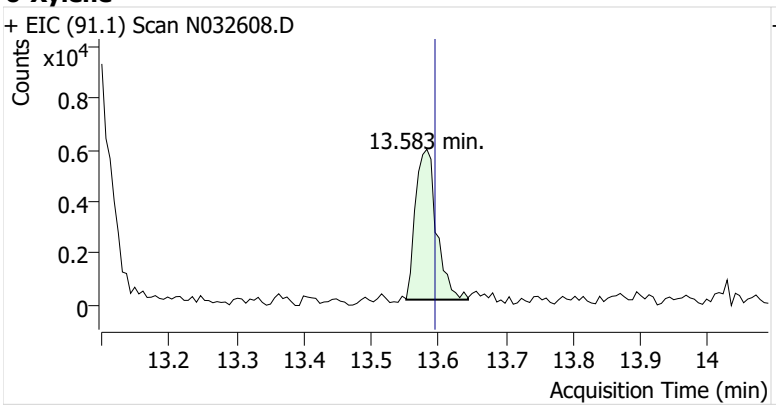


m-/p-Xylenes





o-Xylene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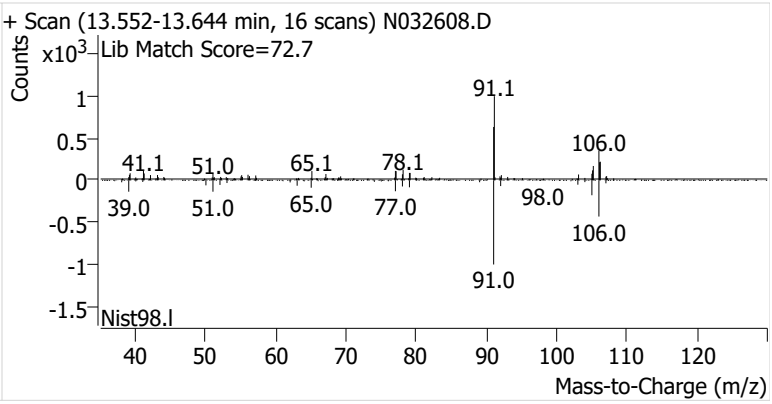
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.552-13.644 min, 16 scans) N032608.D
Lib Match Score=72.7
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x10^3
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0.5
0
-0.5
-1
-1.5
91.1
106.0
41.1
51.0
65.1
78.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.948	1.010	0.948	-6.1%	-7.6%		Pass	
2024GG404 Method Blank-1	Blank		1.010	0.948			1.7%	Pass	ND
M325B CCV 5	Check	0.892	1.010	0.948	-12%		2.6%	Pass	
M325B CCV 5	Check	0.901	1.010	0.948	-11%		2.1%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.420	1.405	1.420	1.0%	-7.7%		Pass	
2024GG404 Method Blank-1	Blank		1.405	1.420			2.9%	Pass	ND
M325B CCV 5	Check	1.336	1.405	1.420	-5.0%		2.9%	Pass	
M325B CCV 5	Check	1.312	1.405	1.420	-6.7%		4.9%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.180	1.209	1.180	-2.4%	-7.7%		Pass	
2024GG404 Method Blank-1	Blank		1.209	1.180			2.9%	Pass	ND
M325B CCV 5	Check	1.149	1.209	1.180	-5.0%		2.9%	Pass	
M325B CCV 5	Check	1.133	1.209	1.180	-6.3%		4.9%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.173	1.217	1.173	-3.6%	-7.7%		Pass	
2024GG404 Method Blank-1	Blank		1.217	1.173			2.9%	Pass	ND
M325B CCV 5	Check	1.122	1.217	1.173	-7.8%		2.9%	Pass	
M325B CCV 5	Check	1.114	1.217	1.173	-8.5%		4.9%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.177	1.212	1.177	-2.9%	-7.7%		Pass	
2024GG404 Method Blank-1	Blank		1.212	1.177			2.9%	Pass	ND
M325B CCV 5	Check	1.101	1.212	1.177	-9.2%		2.9%	Pass	
M325B CCV 5	Check	1.064	1.212	1.177	-12%		4.9%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N103124A_CC252679_R1.quantmethod.xml	Benzene	1	N033158.D	5.03	55770	92.1	792781	1.288	27%
N103124A_CC252679_R1.quantmethod.xml	Benzene	2	N033159.D	10.06	96489	92.1	791962	1.115	10%
N103124A_CC252679_R1.quantmethod.xml	Benzene	3	N033160.D	20.12	170640	92.1	809942	0.964	-4.6%
N103124A_CC252679_R1.quantmethod.xml	Benzene	4	N033161.D	40.23	344179	92.1	812158	0.970	-4.0%
N103124A_CC252679_R1.quantmethod.xml	Benzene	5	N033162.D	100.59	830329	92.1	814298	0.933	-7.6%
N103124A_CC252679_R1.quantmethod.xml	Benzene	6	N033163.D	201.17	1626731	92.1	809783	0.919	-9.0%
N103124A_CC252679_R1.quantmethod.xml	Benzene	7	N033164.D	603.52	4641454	92.1	801075	0.884	-13%
						Avg:	804571	1.010	
						%RSD:	1.2%	14%	
N103124A_CC252679_R1.quantmethod.xml	Ethylbenzene	1	N033158.D	5.23	50386	108.6	770073	1.360	-3.2%
N103124A_CC252679_R1.quantmethod.xml	Ethylbenzene	2	N033159.D	10.45	118940	108.6	775707	1.593	13%
N103124A_CC252679_R1.quantmethod.xml	Ethylbenzene	3	N033160.D	20.91	223379	108.6	785362	1.478	5.1%
N103124A_CC252679_R1.quantmethod.xml	Ethylbenzene	4	N033161.D	41.82	436979	108.6	787344	1.442	2.6%
N103124A_CC252679_R1.quantmethod.xml	Ethylbenzene	5	N033162.D	104.54	1070027	108.6	810000	1.373	-2.3%
N103124A_CC252679_R1.quantmethod.xml	Ethylbenzene	6	N033163.D	209.09	2118654	108.6	802894	1.371	-2.5%
N103124A_CC252679_R1.quantmethod.xml	Ethylbenzene	7	N033164.D	627.27	5601587	108.6	794011	1.222	-13%
						Avg:	789342	1.405	
						%RSD:	1.8%	8.2%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N103124A_CC252679_R1.quantmethod.xml	m-/p-Xylenes	1	N033158.D	4.94	39968	108.6	770073	1.142	-5.6%
N103124A_CC252679_R1.quantmethod.xml	m-/p-Xylenes	2	N033159.D	9.87	98978	108.6	775707	1.404	16%
N103124A_CC252679_R1.quantmethod.xml	m-/p-Xylenes	3	N033160.D	19.75	179292	108.6	785362	1.256	3.8%
N103124A_CC252679_R1.quantmethod.xml	m-/p-Xylenes	4	N033161.D	39.49	336975	108.6	787344	1.177	-2.7%
N103124A_CC252679_R1.quantmethod.xml	m-/p-Xylenes	5	N033162.D	98.74	866032	108.6	810000	1.176	-2.7%
N103124A_CC252679_R1.quantmethod.xml	m-/p-Xylenes	6	N033163.D	197.47	1730920	108.6	802894	1.186	-1.9%
N103124A_CC252679_R1.quantmethod.xml	m-/p-Xylenes	7	N033164.D	592.42	4873512	108.6	794011	1.125	-6.9%
						Avg:	789342	1.209	
						%RSD:	1.8%	7.9%	
N103124A_CC252679_R1.quantmethod.xml	o-Xylene	1	N033158.D	5.15	43260	108.6	770073	1.185	-2.6%
N103124A_CC252679_R1.quantmethod.xml	o-Xylene	2	N033159.D	10.30	102756	108.6	775707	1.397	15%
N103124A_CC252679_R1.quantmethod.xml	o-Xylene	3	N033160.D	20.60	200301	108.6	785362	1.345	11%
N103124A_CC252679_R1.quantmethod.xml	o-Xylene	4	N033161.D	41.19	357758	108.6	787344	1.198	-1.5%
N103124A_CC252679_R1.quantmethod.xml	o-Xylene	5	N033162.D	102.98	888110	108.6	810000	1.156	-5.0%
N103124A_CC252679_R1.quantmethod.xml	o-Xylene	6	N033163.D	205.96	1805563	108.6	802894	1.186	-2.5%
N103124A_CC252679_R1.quantmethod.xml	o-Xylene	7	N033164.D	617.88	4744726	108.6	794011	1.050	-14%
						Avg:	789342	1.217	
						%RSD:	1.8%	9.6%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG404-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N103124A_CC252679_R1.quantmethod.xml	Toluene	1	N033158.D	5.44	53084	108.6	770073	1.377	14%
N103124A_CC252679_R1.quantmethod.xml	Toluene	2	N033159.D	10.88	106962	108.6	775707	1.377	14%
N103124A_CC252679_R1.quantmethod.xml	Toluene	3	N033160.D	21.75	195966	108.6	785362	1.246	2.8%
N103124A_CC252679_R1.quantmethod.xml	Toluene	4	N033161.D	43.50	380523	108.6	787344	1.207	-0.43%
N103124A_CC252679_R1.quantmethod.xml	Toluene	5	N033162.D	108.76	915229	108.6	810000	1.128	-6.9%
N103124A_CC252679_R1.quantmethod.xml	Toluene	6	N033163.D	217.52	1794192	108.6	802894	1.116	-7.9%
N103124A_CC252679_R1.quantmethod.xml	Toluene	7	N033164.D	652.57	4925097	108.6	794011	1.032	-15%
						Avg:	789342	1.212	
						%RSD:	1.8%	11%	
N103124A_CC252679_R1.quantmethod.xml	Benzene	ICV	N033165.D	64.86	545274	92.1	815913	0.949	-6.1%
N103124A_CC252679_R1.quantmethod.xml	Ethylbenzene	ICV	N033165.D	87.09	864837	108.6	804304	1.341	-4.6%
N103124A_CC252679_R1.quantmethod.xml	m-/p-Xylenes	ICV	N033165.D	90.65	743160	108.6	804304	1.107	-8.5%
N103124A_CC252679_R1.quantmethod.xml	o-Xylene	ICV	N033165.D	89.22	729067	108.6	804304	1.104	-9.3%
N103124A_CC252679_R1.quantmethod.xml	Toluene	ICV	N033165.D	77.36	688853	108.6	804304	1.203	-0.77%

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Irving Oil – Searsport

52 Station Ave
Searsport, ME 04974

Sampling Event 6
PROJ-027957

Analytical Report
(2024GG405)

EPA Method 325B
Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.

QA Review Performed By:
Clifford Baldridge, QA Director

Report Issued: 12/12/2024

ENTHALPY
ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Summary

Sample Code	Tube ID	Benzene		Ethylbenzene		m-/p-Xylene		o-Xylene		Toluene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
IRVSEA-1-S-20241114	B48581	0.492			ND		ND,Pc		ND	0.724	P
IRVSEA-2-S-20241114	C00707	0.432			ND	0.309	J,Pc		ND	0.771	P
IRVSEA-2-D-20241114	C53713	0.487			ND	0.447	J,Pc		ND	1.12	P
IRVSEA-2-B-20241114	B38518		ND		ND		ND,Pc		ND	0.393	J,P
IRVSEA-3-S-20241114	C32857	0.434			ND	0.327	J,Pc		ND	0.876	P
IRVSEA-4-S-20241114	B24877	0.790		0.321	J	0.974	Pc	0.362	J	2.38	P
IRVSEA-5-S-20241114	B46208	0.770		0.451	J	1.04	Pc	0.378	J	2.72	P
IRVSEA-6-S-20241114	B16974	1.18		0.835		2.41	Pc	0.968		5.03	P
IRVSEA-7-S-20241114	C20546	1.86		1.63		4.82	Pc	1.89		8.45	P
IRVSEA-8-S-20241114	C16063	3.35		2.92		8.84	Pc	3.45		16.4	P
IRVSEA-8-D-20241114	C38507	3.23		2.92		9.83	Pc	3.78		15.8	P
IRVSEA-8-B-20241114	B20228		ND		ND		ND,Pc		ND	0.293	J,P
IRVSEA-9-S-20241114	C24127	1.39		0.821		2.29	Pc	0.943		5.12	P
IRVSEA-10-S-20241114	C43274	1.59		1.19		3.58	Pc	1.32		6.82	P
IRVSEA-11-S-20241114	B47141	0.755		0.373	J	1.05	Pc	0.392	J	1.95	P
IRVSEA-12-S-20241114	B27179	0.499			ND	0.344	J,Pc		ND	1.08	P
IRVSEA-13-S-20241114	B27402	0.401			ND	0.291	J,Pc		ND	0.643	P
IRVSEA-14-S-20241114	C36989	0.445			ND		ND,Pc		ND	0.638	P
IRVSEA-15-S-20241114	C35806	0.429			ND		ND,Pc		ND	0.661	P
IRVSEA-16-S-20241114	C40591	0.391			ND	0.369	J,Pc		ND	0.926	P
IRVSEA-17-S-20241114	B14268	0.572			ND	0.399	J,Pc		ND	1.04	P

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241114	B48581	0.492	0.154	6.42	41.1	0.647	20,165	0.192	0.382	0.0600	0.120	
IRVSEA-2-S-20241114	C00707	0.432	0.135	5.64	41.1	0.647	20,165	0.192	0.382	0.0600	0.120	
IRVSEA-2-D-20241114	C53713	0.487	0.153	6.36	41.1	0.647	20,165	0.192	0.382	0.0600	0.120	
IRVSEA-2-B-20241114	B38518				41.1	0.647	20,165	0.192	0.382	0.0600	0.120	ND
IRVSEA-3-S-20241114	C32857	0.434	0.136	5.66	41.1	0.647	20,165	0.192	0.382	0.0600	0.120	
IRVSEA-4-S-20241114	B24877	0.790	0.247	10.3	41.1	0.647	20,165	0.192	0.382	0.0600	0.120	
IRVSEA-5-S-20241114	B46208	0.770	0.241	10.1	41.1	0.647	20,170	0.192	0.382	0.0600	0.120	
IRVSEA-6-S-20241114	B16974	1.18	0.369	15.4	41.1	0.647	20,170	0.192	0.382	0.0600	0.120	
IRVSEA-7-S-20241114	C20546	1.86	0.583	24.3	41.1	0.647	20,170	0.192	0.382	0.0600	0.120	
IRVSEA-8-S-20241114	C16063	3.35	1.05	43.7	41.1	0.647	20,175	0.191	0.382	0.0600	0.120	
IRVSEA-8-D-20241114	C38507	3.23	1.01	42.2	41.1	0.647	20,175	0.191	0.382	0.0600	0.120	
IRVSEA-8-B-20241114	B20228				41.1	0.647	20,175	0.191	0.382	0.0600	0.120	ND
IRVSEA-9-S-20241114	C24127	1.39	0.434	18.1	41.1	0.647	20,175	0.191	0.382	0.0600	0.120	
IRVSEA-10-S-20241114	C43274	1.59	0.497	20.7	41.1	0.647	20,175	0.191	0.382	0.0600	0.120	
IRVSEA-11-S-20241114	B47141	0.755	0.236	9.85	41.1	0.647	20,175	0.191	0.382	0.0600	0.120	
IRVSEA-12-S-20241114	B27179	0.499	0.156	6.51	41.1	0.647	20,175	0.191	0.382	0.0600	0.120	
IRVSEA-13-S-20241114	B27402	0.401	0.126	5.24	41.1	0.647	20,175	0.191	0.382	0.0600	0.120	
IRVSEA-14-S-20241114	C36989	0.445	0.139	5.81	41.1	0.647	20,175	0.191	0.382	0.0600	0.120	
IRVSEA-15-S-20241114	C35806	0.429	0.134	5.60	41.1	0.647	20,185	0.191	0.382	0.0599	0.119	
IRVSEA-16-S-20241114	C40591	0.391	0.123	5.11	41.1	0.647	20,185	0.191	0.382	0.0599	0.119	
IRVSEA-17-S-20241114	B14268	0.572	0.179	7.48	41.1	0.647	20,185	0.191	0.382	0.0599	0.119	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241114	B48581				41.1	0.444	20,165	0.279	0.578	0.0643	0.133	ND
IRVSEA-2-S-20241114	C00707				41.1	0.444	20,165	0.279	0.578	0.0643	0.133	ND
IRVSEA-2-D-20241114	C53713				41.1	0.444	20,165	0.279	0.578	0.0643	0.133	ND
IRVSEA-2-B-20241114	B38518				41.1	0.444	20,165	0.279	0.578	0.0643	0.133	ND
IRVSEA-3-S-20241114	C32857				41.1	0.444	20,165	0.279	0.578	0.0643	0.133	ND
IRVSEA-4-S-20241114	B24877	0.321	0.0739	2.87	41.1	0.444	20,165	0.279	0.578	0.0643	0.133	J
IRVSEA-5-S-20241114	B46208	0.451	0.104	4.04	41.1	0.444	20,170	0.279	0.578	0.0643	0.133	J
IRVSEA-6-S-20241114	B16974	0.835	0.192	7.48	41.1	0.444	20,170	0.279	0.578	0.0643	0.133	
IRVSEA-7-S-20241114	C20546	1.63	0.375	14.6	41.1	0.444	20,170	0.279	0.578	0.0643	0.133	
IRVSEA-8-S-20241114	C16063	2.92	0.673	26.2	41.1	0.444	20,175	0.279	0.578	0.0643	0.133	
IRVSEA-8-D-20241114	C38507	2.92	0.673	26.2	41.1	0.444	20,175	0.279	0.578	0.0643	0.133	
IRVSEA-8-B-20241114	B20228				41.1	0.444	20,175	0.279	0.578	0.0643	0.133	ND
IRVSEA-9-S-20241114	C24127	0.821	0.189	7.36	41.1	0.444	20,175	0.279	0.578	0.0643	0.133	
IRVSEA-10-S-20241114	C43274	1.19	0.274	10.7	41.1	0.444	20,175	0.279	0.578	0.0643	0.133	
IRVSEA-11-S-20241114	B47141	0.373	0.0860	3.35	41.1	0.444	20,175	0.279	0.578	0.0643	0.133	J
IRVSEA-12-S-20241114	B27179				41.1	0.444	20,175	0.279	0.578	0.0643	0.133	ND
IRVSEA-13-S-20241114	B27402				41.1	0.444	20,175	0.279	0.578	0.0643	0.133	ND
IRVSEA-14-S-20241114	C36989				41.1	0.444	20,175	0.279	0.578	0.0643	0.133	ND
IRVSEA-15-S-20241114	C35806				41.1	0.444	20,185	0.279	0.578	0.0642	0.133	ND
IRVSEA-16-S-20241114	C40591				41.1	0.444	20,185	0.279	0.578	0.0642	0.133	ND
IRVSEA-17-S-20241114	B14268				41.1	0.444	20,185	0.279	0.578	0.0642	0.133	ND

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

m-/p-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241114	B48581				41.1	0.444	20,165	0.279	0.546	0.0643	0.126	ND,Pc
IRVSEA-2-S-20241114	C00707	0.309	0.0711	2.77	41.1	0.444	20,165	0.279	0.546	0.0643	0.126	J,Pc
IRVSEA-2-D-20241114	C53713	0.447	0.103	4.01	41.1	0.444	20,165	0.279	0.546	0.0643	0.126	J,Pc
IRVSEA-2-B-20241114	B38518				41.1	0.444	20,165	0.279	0.546	0.0643	0.126	ND,Pc
IRVSEA-3-S-20241114	C32857	0.327	0.0754	2.93	41.1	0.444	20,165	0.279	0.546	0.0643	0.126	J,Pc
IRVSEA-4-S-20241114	B24877	0.974	0.225	8.73	41.1	0.444	20,165	0.279	0.546	0.0643	0.126	Pc
IRVSEA-5-S-20241114	B46208	1.04	0.239	9.31	41.1	0.444	20,170	0.279	0.546	0.0643	0.126	Pc
IRVSEA-6-S-20241114	B16974	2.41	0.556	21.6	41.1	0.444	20,170	0.279	0.546	0.0643	0.126	Pc
IRVSEA-7-S-20241114	C20546	4.82	1.11	43.2	41.1	0.444	20,170	0.279	0.546	0.0643	0.126	Pc
IRVSEA-8-S-20241114	C16063	8.84	2.04	79.2	41.1	0.444	20,175	0.279	0.546	0.0643	0.126	Pc
IRVSEA-8-D-20241114	C38507	9.83	2.27	88.2	41.1	0.444	20,175	0.279	0.546	0.0643	0.126	Pc
IRVSEA-8-B-20241114	B20228				41.1	0.444	20,175	0.279	0.546	0.0643	0.126	ND,Pc
IRVSEA-9-S-20241114	C24127	2.29	0.527	20.5	41.1	0.444	20,175	0.279	0.546	0.0643	0.126	Pc
IRVSEA-10-S-20241114	C43274	3.58	0.825	32.1	41.1	0.444	20,175	0.279	0.546	0.0643	0.126	Pc
IRVSEA-11-S-20241114	B47141	1.05	0.241	9.37	41.1	0.444	20,175	0.279	0.546	0.0643	0.126	Pc
IRVSEA-12-S-20241114	B27179	0.344	0.0792	3.08	41.1	0.444	20,175	0.279	0.546	0.0643	0.126	J,Pc
IRVSEA-13-S-20241114	B27402	0.291	0.0671	2.61	41.1	0.444	20,175	0.279	0.546	0.0643	0.126	J,Pc
IRVSEA-14-S-20241114	C36989				41.1	0.444	20,175	0.279	0.546	0.0643	0.126	ND,Pc
IRVSEA-15-S-20241114	C35806				41.1	0.444	20,185	0.279	0.545	0.0642	0.126	ND,Pc
IRVSEA-16-S-20241114	C40591	0.369	0.0849	3.31	41.1	0.444	20,185	0.279	0.545	0.0642	0.126	J,Pc
IRVSEA-17-S-20241114	B14268	0.399	0.0919	3.58	41.1	0.444	20,185	0.279	0.545	0.0642	0.126	J,Pc

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241114	B48581				41.1	0.444	20,165	0.279	0.569	0.0643	0.131	ND
IRVSEA-2-S-20241114	C00707				41.1	0.444	20,165	0.279	0.569	0.0643	0.131	ND
IRVSEA-2-D-20241114	C53713				41.1	0.444	20,165	0.279	0.569	0.0643	0.131	ND
IRVSEA-2-B-20241114	B38518				41.1	0.444	20,165	0.279	0.569	0.0643	0.131	ND
IRVSEA-3-S-20241114	C32857				41.1	0.444	20,165	0.279	0.569	0.0643	0.131	ND
IRVSEA-4-S-20241114	B24877	0.362	0.0834	3.24	41.1	0.444	20,165	0.279	0.569	0.0643	0.131	J
IRVSEA-5-S-20241114	B46208	0.378	0.0871	3.39	41.1	0.444	20,170	0.279	0.569	0.0643	0.131	J
IRVSEA-6-S-20241114	B16974	0.968	0.223	8.68	41.1	0.444	20,170	0.279	0.569	0.0643	0.131	
IRVSEA-7-S-20241114	C20546	1.89	0.436	16.9	41.1	0.444	20,170	0.279	0.569	0.0643	0.131	
IRVSEA-8-S-20241114	C16063	3.45	0.796	31.0	41.1	0.444	20,175	0.279	0.569	0.0643	0.131	
IRVSEA-8-D-20241114	C38507	3.78	0.871	33.9	41.1	0.444	20,175	0.279	0.569	0.0643	0.131	
IRVSEA-8-B-20241114	B20228				41.1	0.444	20,175	0.279	0.569	0.0643	0.131	ND
IRVSEA-9-S-20241114	C24127	0.943	0.217	8.45	41.1	0.444	20,175	0.279	0.569	0.0643	0.131	
IRVSEA-10-S-20241114	C43274	1.32	0.305	11.9	41.1	0.444	20,175	0.279	0.569	0.0643	0.131	
IRVSEA-11-S-20241114	B47141	0.392	0.0904	3.52	41.1	0.444	20,175	0.279	0.569	0.0643	0.131	J
IRVSEA-12-S-20241114	B27179				41.1	0.444	20,175	0.279	0.569	0.0643	0.131	ND
IRVSEA-13-S-20241114	B27402				41.1	0.444	20,175	0.279	0.569	0.0643	0.131	ND
IRVSEA-14-S-20241114	C36989				41.1	0.444	20,175	0.279	0.569	0.0643	0.131	ND
IRVSEA-15-S-20241114	C35806				41.1	0.444	20,185	0.279	0.569	0.0642	0.131	ND
IRVSEA-16-S-20241114	C40591				41.1	0.444	20,185	0.279	0.569	0.0642	0.131	ND
IRVSEA-17-S-20241114	B14268				41.1	0.444	20,185	0.279	0.569	0.0642	0.131	ND

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241114	B48581	0.724	0.192	7.33	41.1	0.502	20,165	0.247	0.532	0.0655	0.141	P
IRVSEA-2-S-20241114	C00707	0.771	0.205	7.81	41.1	0.502	20,165	0.247	0.532	0.0655	0.141	P
IRVSEA-2-D-20241114	C53713	1.12	0.298	11.4	41.1	0.502	20,165	0.247	0.532	0.0655	0.141	P
IRVSEA-2-B-20241114	B38518	0.393	0.104	3.98	41.1	0.502	20,165	0.247	0.532	0.0655	0.141	J,P
IRVSEA-3-S-20241114	C32857	0.876	0.233	8.87	41.1	0.502	20,165	0.247	0.532	0.0655	0.141	P
IRVSEA-4-S-20241114	B24877	2.38	0.632	24.1	41.1	0.502	20,165	0.247	0.532	0.0655	0.141	P
IRVSEA-5-S-20241114	B46208	2.72	0.723	27.6	41.1	0.502	20,170	0.247	0.532	0.0655	0.141	P
IRVSEA-6-S-20241114	B16974	5.03	1.34	51.0	41.1	0.502	20,170	0.247	0.532	0.0655	0.141	P
IRVSEA-7-S-20241114	C20546	8.45	2.24	85.6	41.1	0.502	20,170	0.247	0.532	0.0655	0.141	P
IRVSEA-8-S-20241114	C16063	16.4	4.36	166	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	P
IRVSEA-8-D-20241114	C38507	15.8	4.18	160	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	P
IRVSEA-8-B-20241114	B20228	0.293	0.0778	2.97	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	J,P
IRVSEA-9-S-20241114	C24127	5.12	1.36	51.9	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	P
IRVSEA-10-S-20241114	C43274	6.82	1.81	69.1	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	P
IRVSEA-11-S-20241114	B47141	1.95	0.519	19.8	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	P
IRVSEA-12-S-20241114	B27179	1.08	0.288	11.0	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	P
IRVSEA-13-S-20241114	B27402	0.643	0.171	6.52	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	P
IRVSEA-14-S-20241114	C36989	0.638	0.169	6.47	41.1	0.502	20,175	0.247	0.532	0.0655	0.141	P
IRVSEA-15-S-20241114	C35806	0.661	0.176	6.70	41.1	0.502	20,185	0.247	0.532	0.0655	0.141	P
IRVSEA-16-S-20241114	C40591	0.926	0.246	9.39	41.1	0.502	20,185	0.247	0.532	0.0655	0.141	P
IRVSEA-17-S-20241114	B14268	1.04	0.275	10.5	41.1	0.502	20,185	0.247	0.532	0.0655	0.141	P

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylene		Toluene		o-Xylene	
Blanks (ug/m³)	IRVSEA-2-B-20241114	ND	Pass	ND	Pass	ND	Pass	0.393	Pass	ND	Pass
	IRVSEA-8-B-20241114	ND	Pass	ND	Pass	ND	Pass	0.293	Pass	ND	Pass
Duplicates (difference)	IRVSEA-2-D-20241114	12%	Pass		Pass	37%	Fail	37%	Fail		Pass
	IRVSEA-8-D-20241114	3.5%	Pass	0.068%	Pass	11%	Pass	4.0%	Pass	9.0%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	Irving Oil - Searsport
Project	PROJ-027957
Report #	2024GG405

Custody	Enthalpy Analytical, LLC received the sample tubes on 12/2/24. The samples were received in good condition at a temperature of 16.8 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-MTD.M) is not included in this report but may be available upon request.
Calibration	The daily BFB check failed to meet method criteria for the relative response of m/z 174 and 175. Because m/z 174 and 175 are not near the tuning region of the quant ions for the analytes and the continuing calibration checks met the 30% difference criteria, the deviation is not expected to have an effect on the data. All other BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. One of the primary samples IRVSEA-2-S-20241114 (tube ID C00707) and its corresponding duplicate IRVSEA-2-D-20241114 (tube ID C53713) failed to meet the 30% difference criterion specified by the method for Toluene only. All samples in the data set for Toluene have been flagged "P" to denote this failure. The primary sample IRVSEA-2-S-20241114 (tube ID C00707) and its corresponding duplicate IRVSEA-2-D-20241114 (tube ID C53713) failed to meet the 30% difference criteria for m-/p-xylene specified by the method. However, the concentrations of the analyte in both the sample and the duplicate were less than two times the reporting limit of the instrument's calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All samples in the data set for m-/p-xylene have been flagged "Pc" to denote this failure.

Enthalpy Analytical Narrative Summary
(continued)

Reporting Notes	The samples may have been purged to remove known or suspected moisture. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

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2024GG405

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 1 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose AIR
Site Address:	52 Station Ave	**Project Number:**	PROJ- 027957
City:	Searsport	**Project Manager:**	Haig Brown
State	Maine	**Email Address:**	haigbrown@montrose-env.com
Zip:	04974	**Telephone #:**	207.441.0025

PO#:
Sample Event #
Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	B48581	S	11/14/24	9:00	11/28/24	9:05	HFB / HFB		
2	C00707	S	11/14/24	9:10	11/28/24	9:15	HFB / HFB		
2	C53713	D	11/14/24	9:10	11/28/24	9:15	HFB / HFB		
2	B38518	B	11/14/24	9:10	11/28/24	9:15	HFB / HFB		
3	C32857	S	11/14/24	9:20	11/28/24	9:25	HFB / HFB		
4	B24877	S	11/14/24	9:25	11/28/24	9:30	HFB / HFB		
5	B46208	S	11/14/24	9:30	11/28/24	9:40	HFB / HFB		
6	B16974	S	11/14/24	9:35	11/28/24	9:45	HFB / HFB		

Relinquished By (printed): Haig Brown	**Relinquished By (signature):**	**Relinquished Date:** 11/28/2024	**Relinquished Time:** 17:00
Recieved By (printed): Daniel Simpson	**Recieved By (signature):**	**Receipt Date:** 12/2/24	**Receipt Time:** 10:00
Sample Condition Upon Receipt: Good	**Compound List:**	**Custody Seal intact? Y/N:** Y	**Delivery tracking #**
Ice Temp: — / **Blank Temp:** 16.8 / Fluke 7A		**Add Custody Seal # below:** 24413086	

Comments:

ENTHALPY ANALYTICAL

EPA Method 325 A/B
Field Test Data Sheet and Chain of Custody Record

Page # 2 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose AIR
Site Address:	52 Station Ave	**Project Number:**	PROS-027957
City:	Searsport	**Project Manager:**	Haig Brochu
State	Maine	**Email Address:**	haigbrochu@montrose-env.com
Zip:	04974	**Telephone #:**	207-441-0025
			PO#:
			Sample Event #
			Sorbent:

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	C20546	S	11/14/24	9:40	11/28/24	9:50	HFB / HFB		
8	C16063	S	11/14/24	9:45	11/28/24	10:00	HFB / HFB		
8	C38507	D	11/14/24	9:45	11/28/24	10:00	HFB / HFB		
8	B20228	B	11/14/24	9:45	11/28/24	10:00	HFB / HFB		
9	C24127	S	11/14/24	9:55	11/28/24	10:10	HFB / HFB		
10	C43274	S	11/14/24	10:00	11/28/24	10:15	HFB / HFB		
11	B47141	S	11/14/24	10:05	11/28/24	10:20	HFB / HFB		
12	B27179	S	11/14/24	10:10	11/28/24	10:25	HFB / HFB		

Relinquished By (printed): Haig Brochu	**Relinquished By (signature):**	**Relinquished Date:** 11/28/2024	**Relinquished Time:** 17:00
Recieved By (printed): Daniel Jameson	**Recieved By (signature):**	**Receipt Date:** 12/2/24	**Receipt Time:** 10:00
Sample Condition Upon Receipt: Good	**Compound List:**	**Custody Seal intact? Y/N:** Y	**Delivery tracking #**
Ice Temp: — / **Blank Temp:** 16.8 / Fluke 7A		**Add Custody Seal # below:** 24H13.086	

Comments:

EPA Method 325 A
Field Test Data Sheet and Chain of Custody Record

Page # 3 of 3 #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave	**Project Number:**	PROS-027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	B27402	S	11/14/24	10:20	11/28/24	10:35	HFB / HPS		
14	C36989	S	11/14/24	10:25	11/28/24	10:40	HFB / HPS		
15	C35806	S	11/14/24	10:45	11/28/24	11:10	HFB / HPS		
16	C40591	S	11/14/24	10:50	11/28/24	11:15	HFB / HPS		
17	B14268	S	11/14/24	10:55	11/28/24	11:20	HFB / HPS		
							/		
							/		
							/		

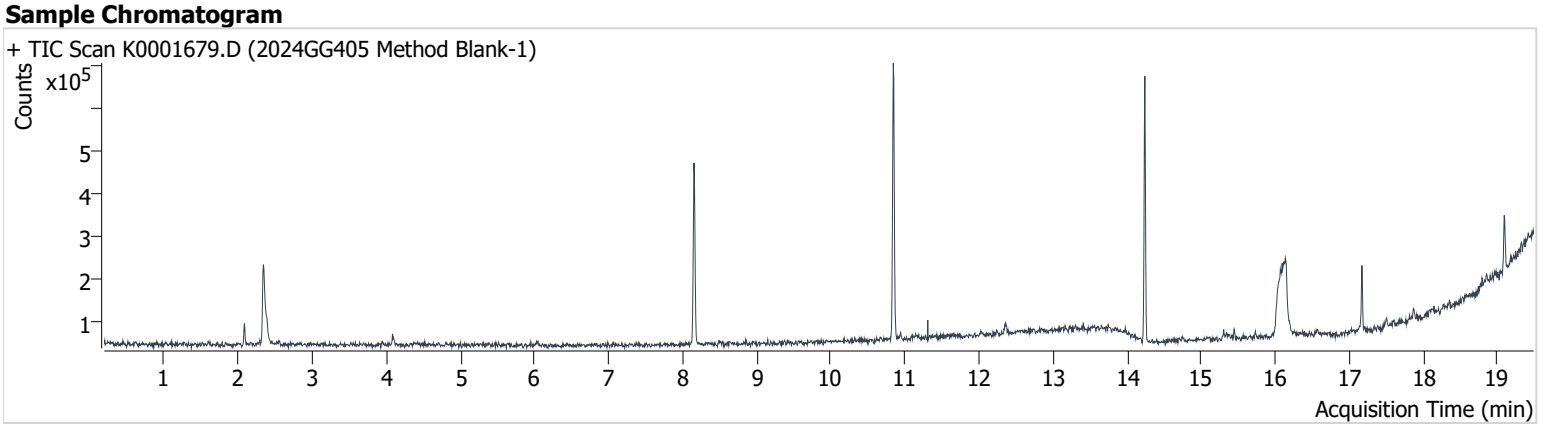
Relinquished By (printed): Haig Brochu	**Relinquished By (signature):**	**Relinquished Date:** 11/28/2024	**Relinquished Time:** 17:00
Recieved By (printed): Daniel Simpson	**Recieved By (signature):**	**Receipt Date:** 12/2/24	**Receipt Time:** 10:00
Sample Condition Upon Receipt: Good	**Compound List:**	**Custody Seal intact? Y/N:** Y	**Delivery tracking #**
Ice Temp: —	**Blank Temp:** 16.8 Fluke 7A	**Add Custody Seal # below:** 24H13086	

Comments:

Sample Chromatograms

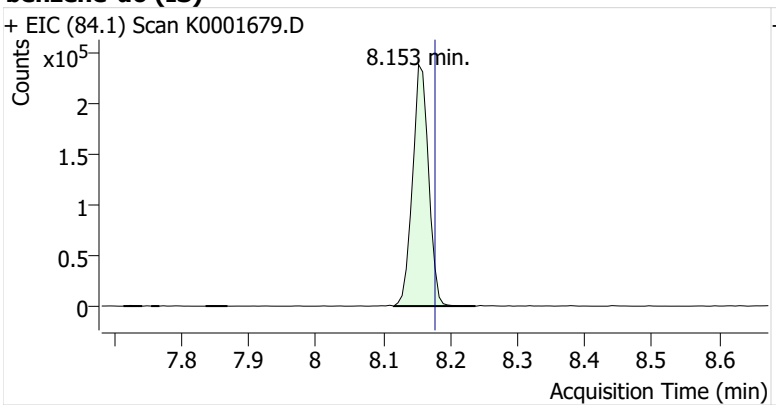
Name	2024GG405 Method Blank-1
Comment	C36978
Data File	K0001679.D
Acq. Date-Time	12/3/2024 1:13:29 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

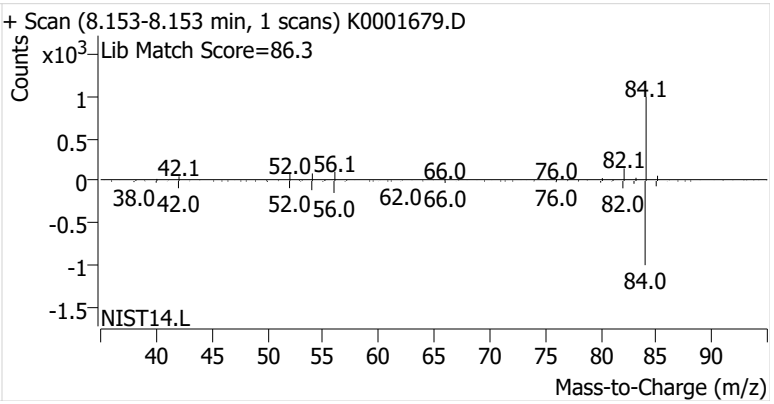
Sample Chromatogram



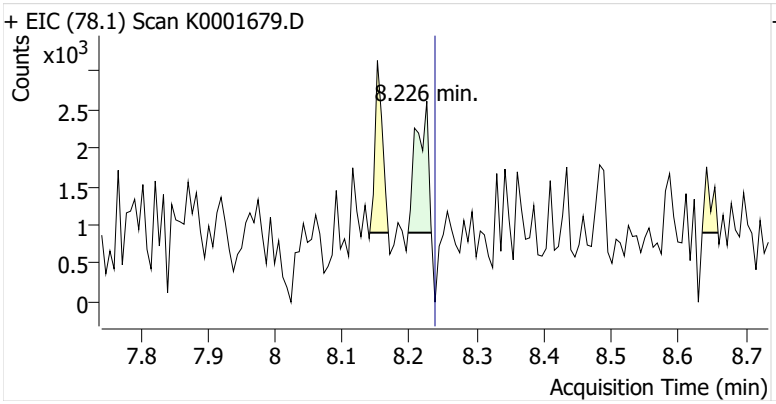
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.153	8.177	394,903	
Benzene	benzene-d6 (IS)	8.226	8.238	2,062	
Toluene-d8 (IS)		10.844	10.869	433,550	
Toluene	Toluene-d8 (IS)	10.942	10.967	7,055	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	1,574	
m-/p-Xylene	Toluene-d8 (IS)	13.322	13.340	650	
o-Xylene	Toluene-d8 (IS)	13.567	13.818	ND	m

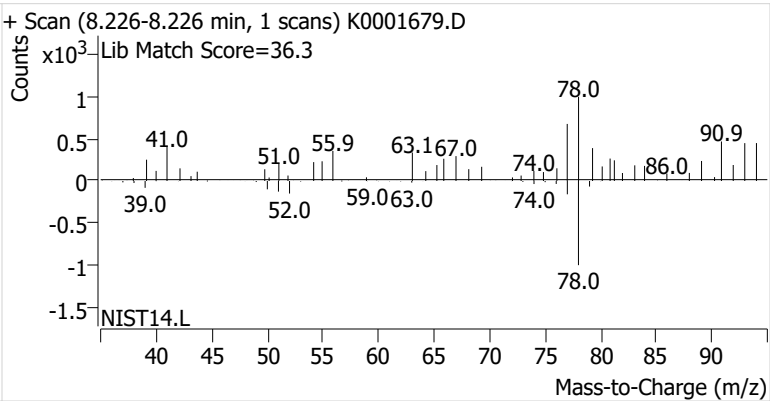
benzene-d6 (IS)



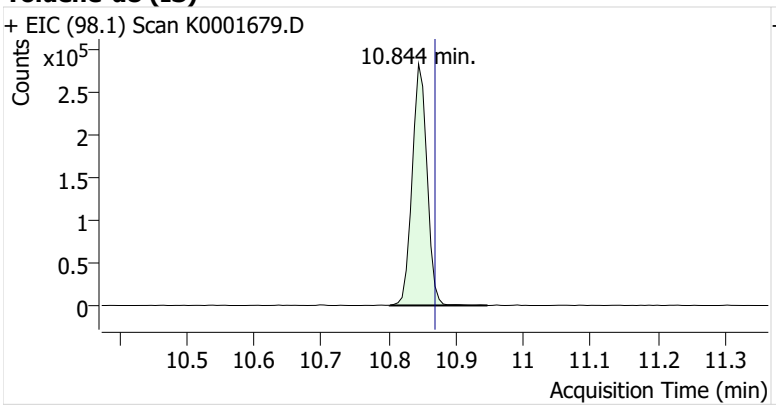


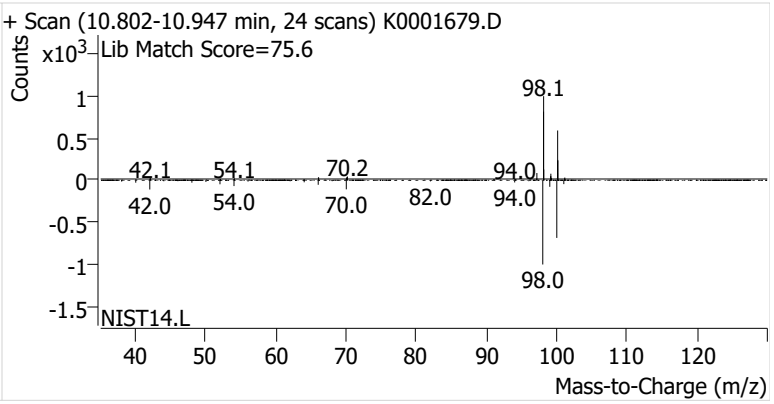
Benzene



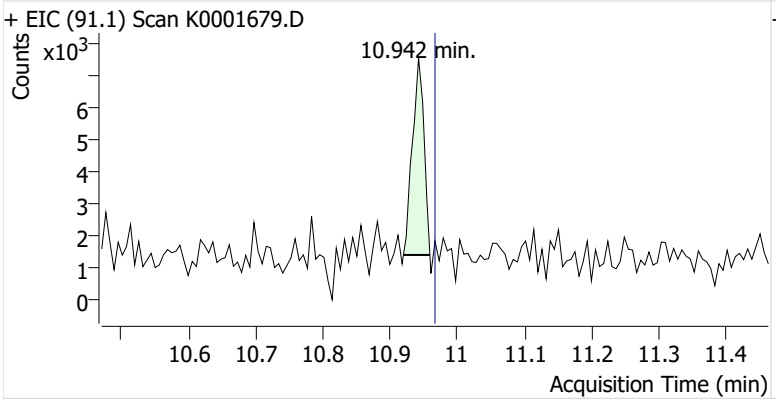


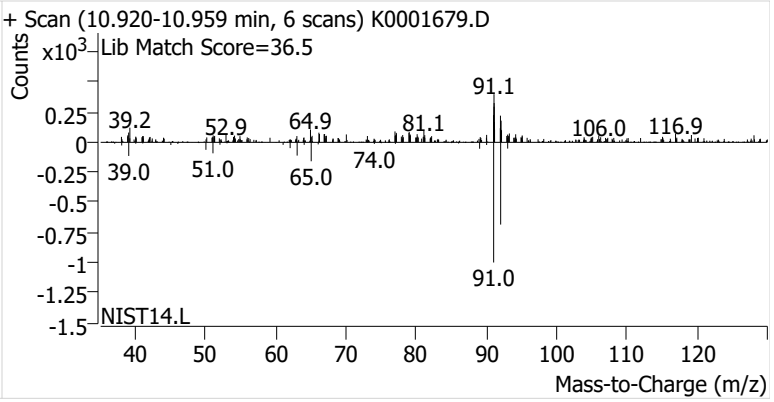
Toluene-d8 (IS)



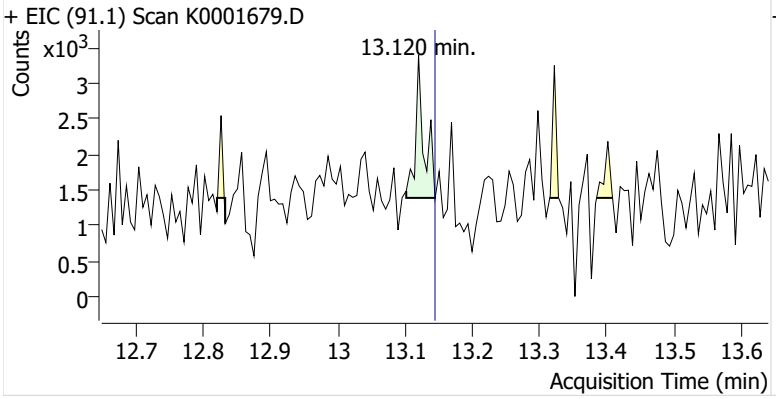


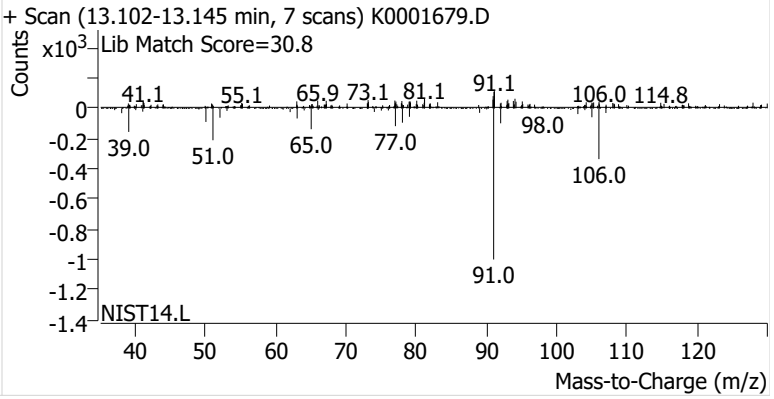
Toluene



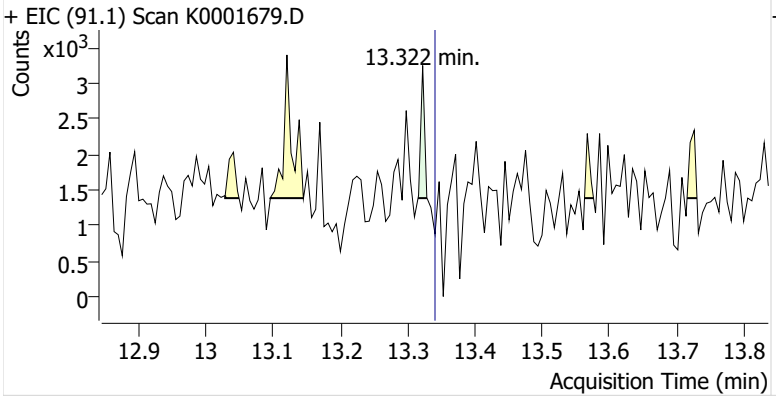


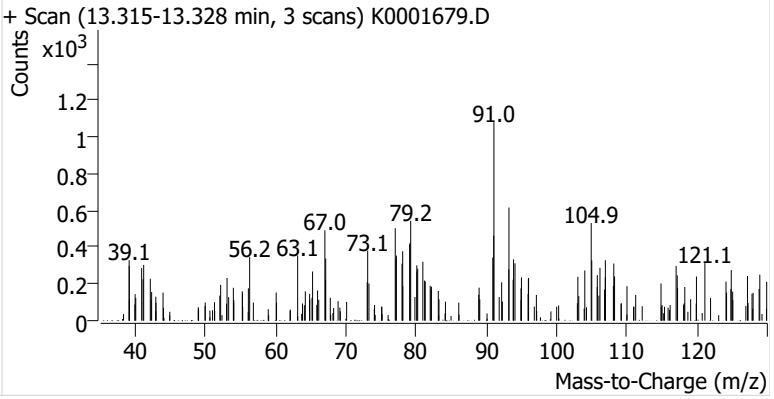
Ethylbenzene



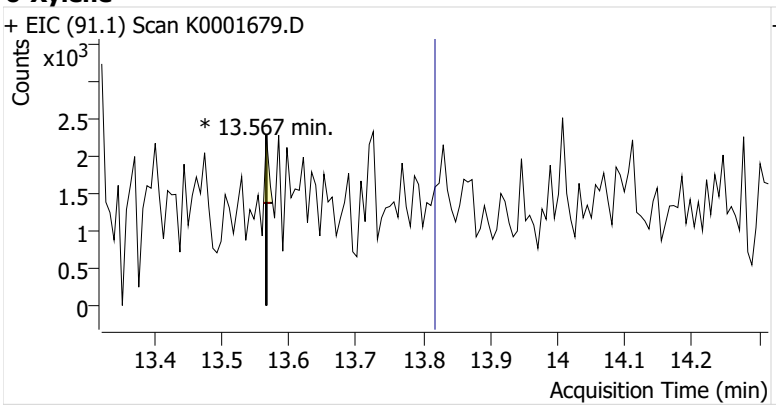


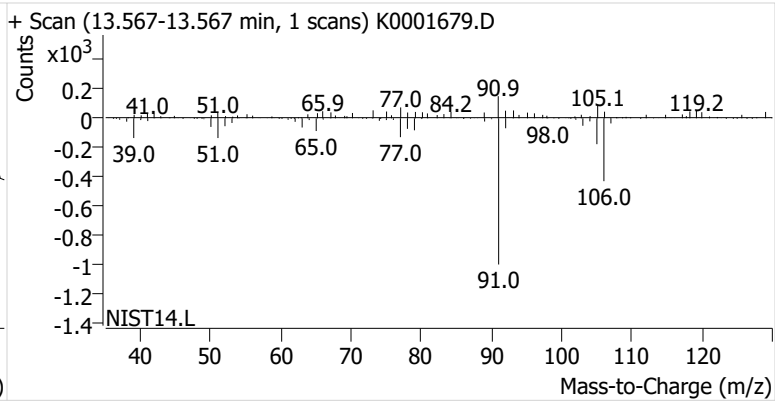
m-/p-Xylene





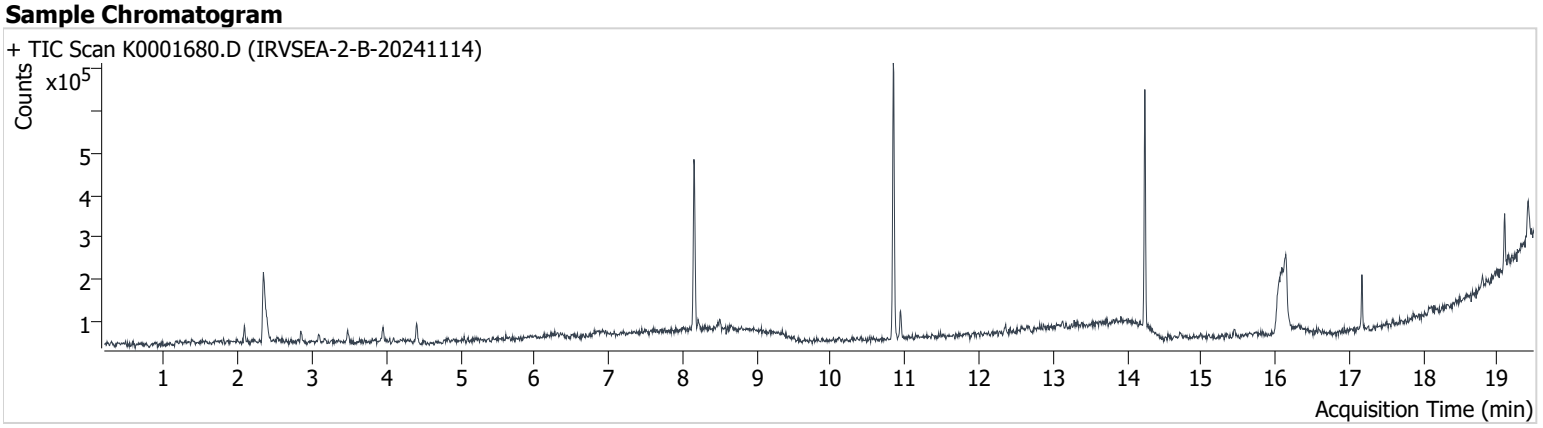
o-Xylene


+ EIC (91.1) Scan K0001679.D
Counts
x10^3
2.5
2
1.5
1
0.5
0
* 13.567 min.
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.567-13.567 min, 1 scans) K0001679.D
Counts
x10^3
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
41.0
51.0
65.9
77.0
84.2
90.9
105.1
119.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
NIST14.L
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

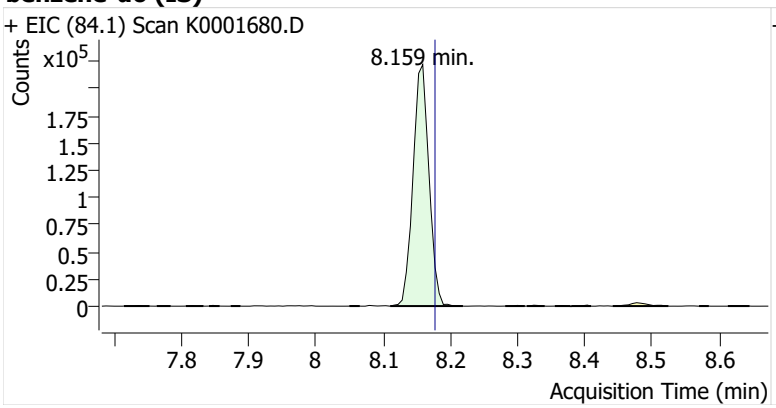
Name	IRVSEA-2-B-20241114
Comment	B38518
Data File	K0001680.D
Acq. Date-Time	12/3/2024 1:41:01 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

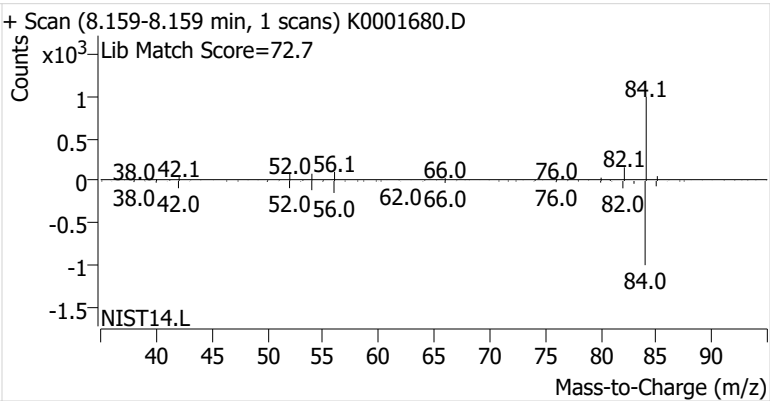
Sample Chromatogram



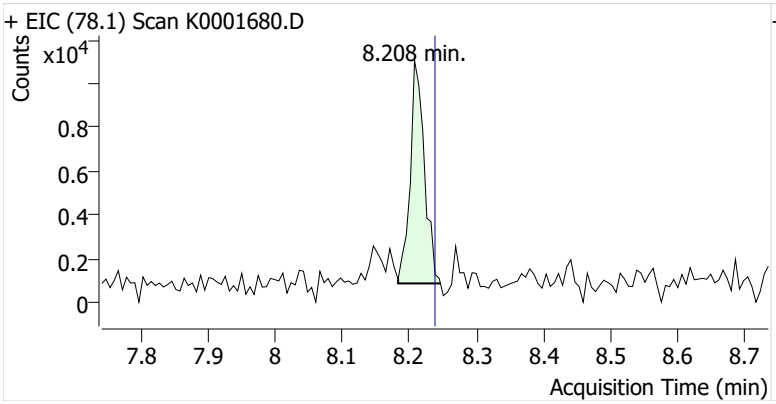
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	365,945	
Benzene	benzene-d6 (IS)	8.208	8.238	14,987	
Toluene-d8 (IS)		10.844	10.869	435,834	
Toluene	Toluene-d8 (IS)	10.942	10.967	43,202	
Ethylbenzene	Toluene-d8 (IS)	13.133	13.145	4,414	
m-/p-Xylene	Toluene-d8 (IS)	13.292	13.340	4,556	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	2,491	

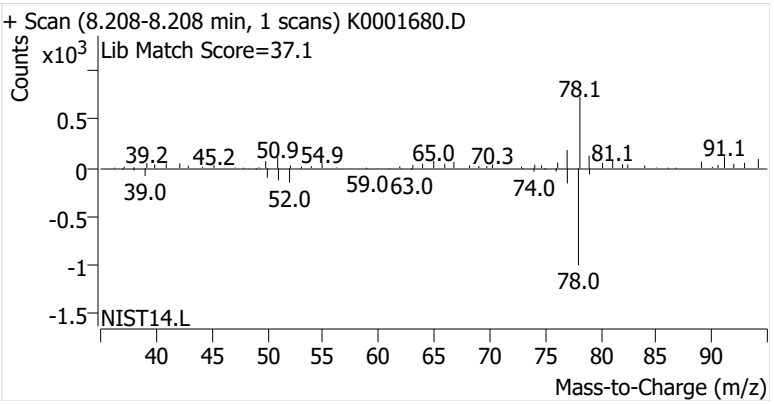
benzene-d6 (IS)



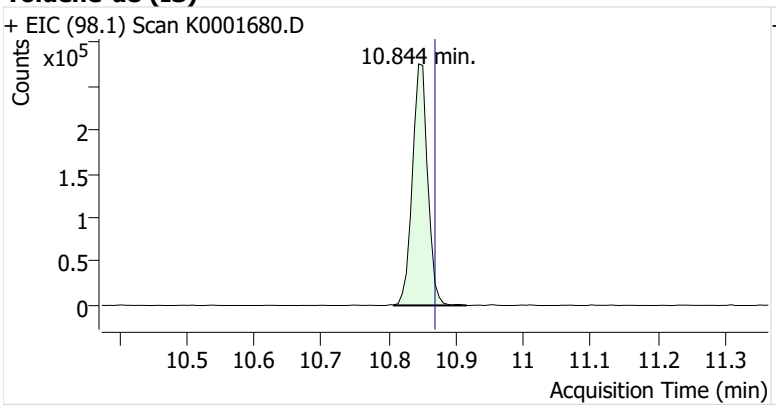


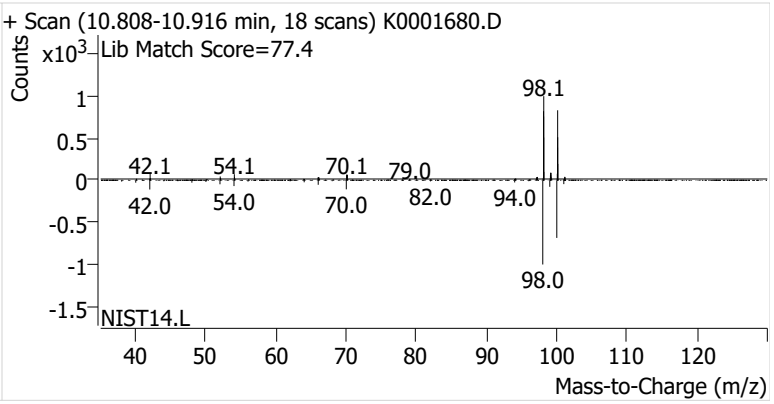
Benzene



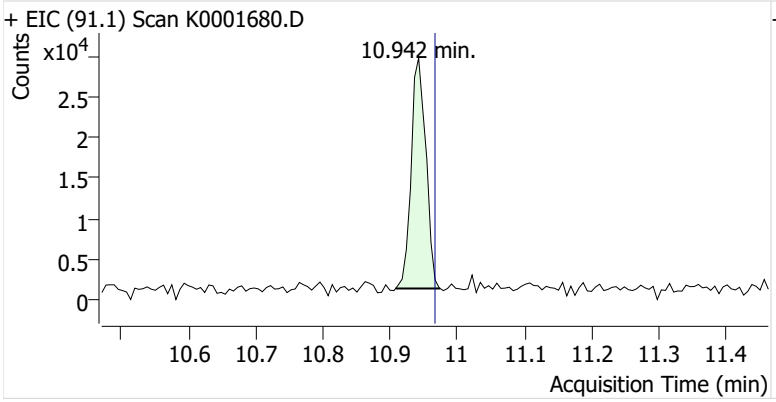


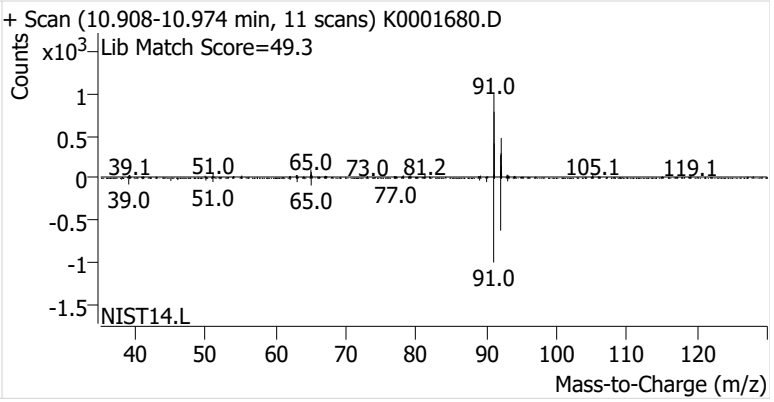
Toluene-d8 (IS)



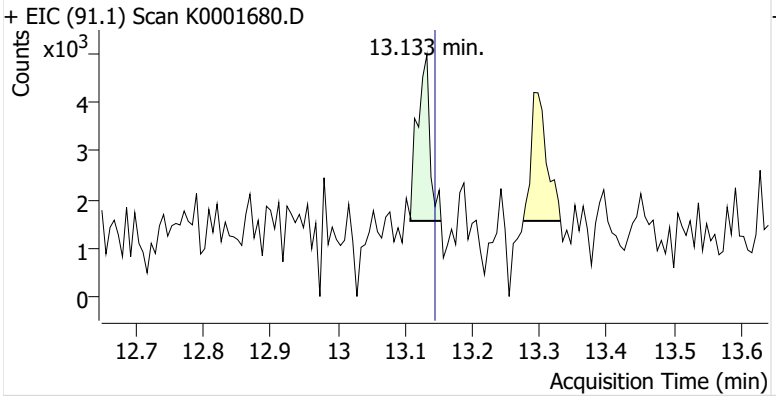


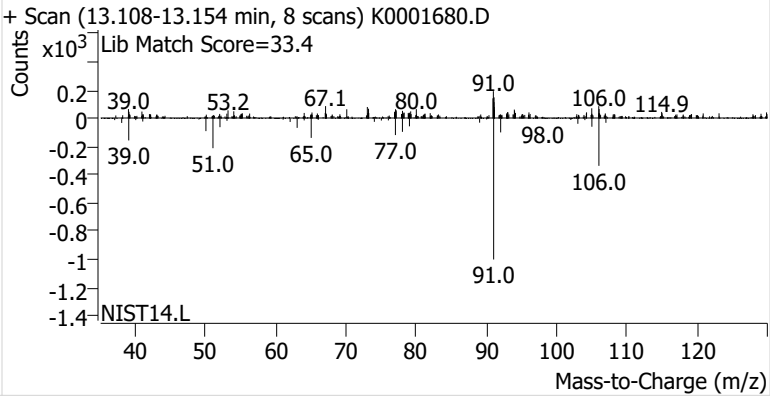
Toluene



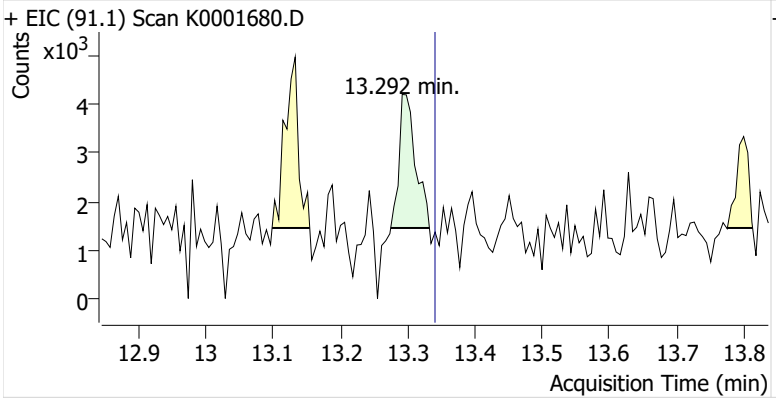


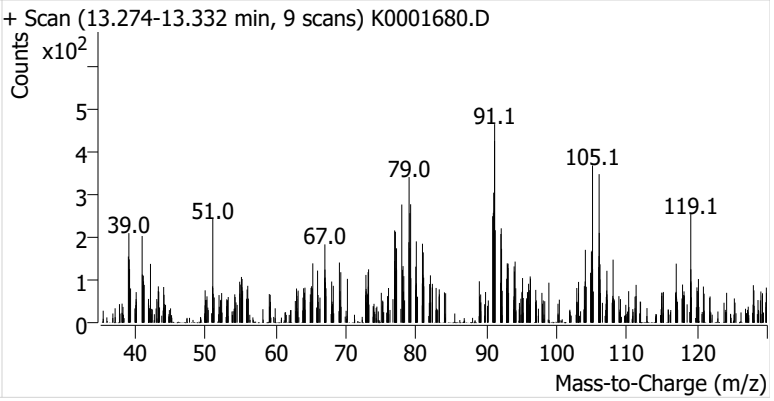
Ethylbenzene



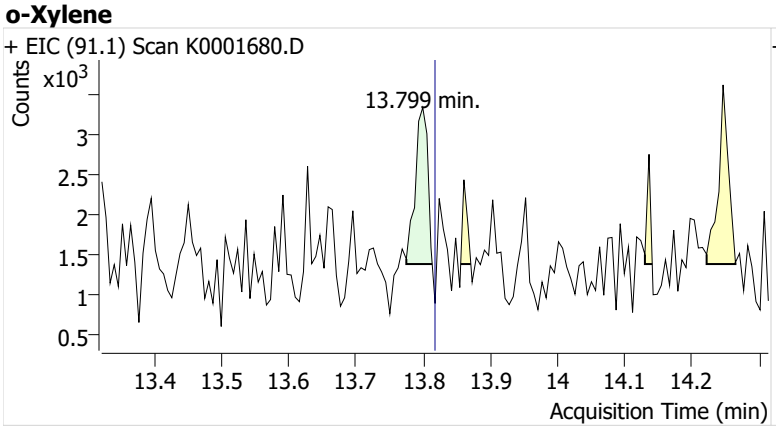


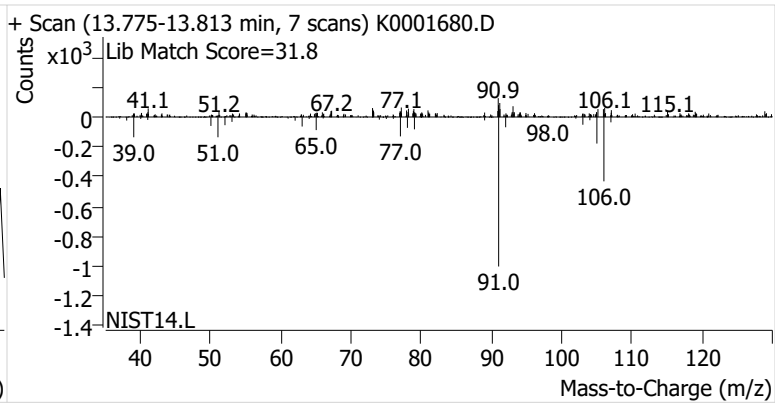
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan K0001680.D
Counts
x10^3
13.799 min.
3
2.5
2
1.5
1
0.5
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.775-13.813 min, 7 scans) K0001680.D
Lib Match Score=31.8
Counts
x10^3
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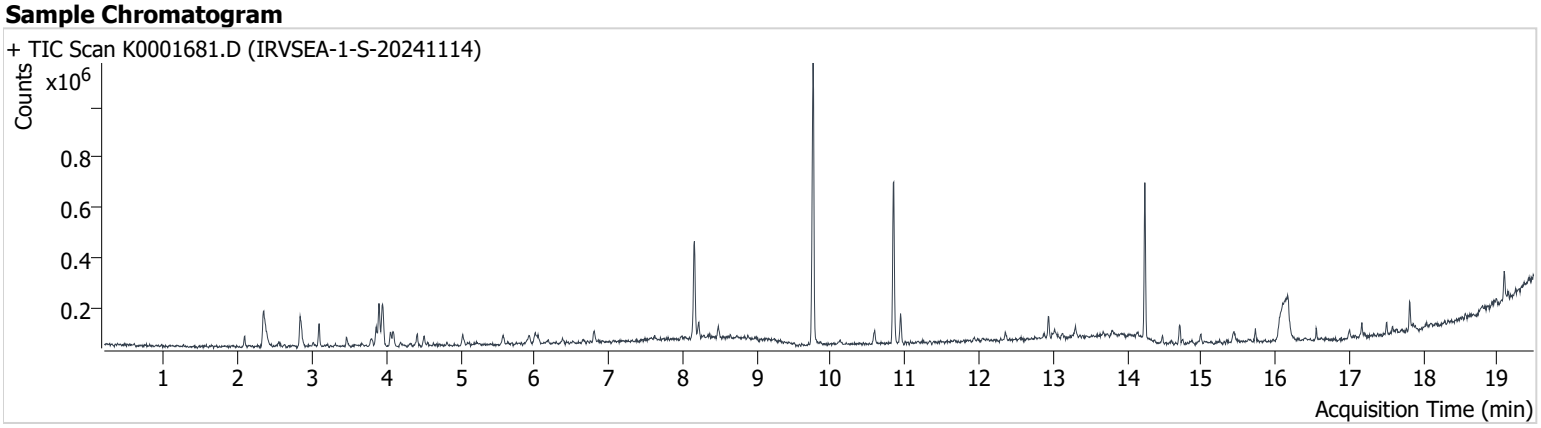
51.2
67.2
77.1
90.9
106.1
115.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

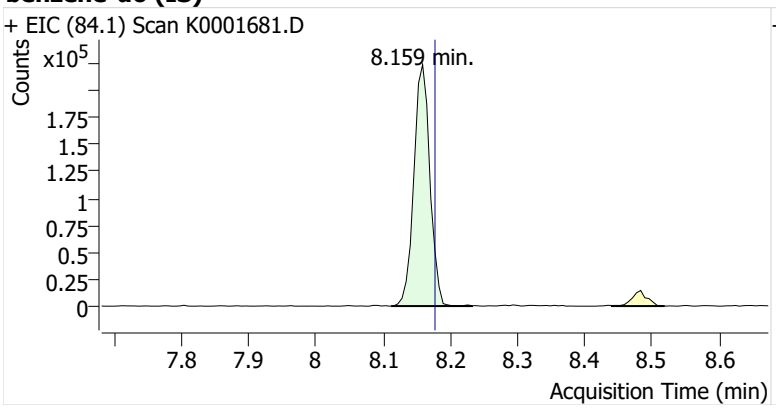
Name	IRVSEA-1-S-20241114
Comment	B48581
Data File	K0001681.D
Acq. Date-Time	12/3/2024 2:08:41 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

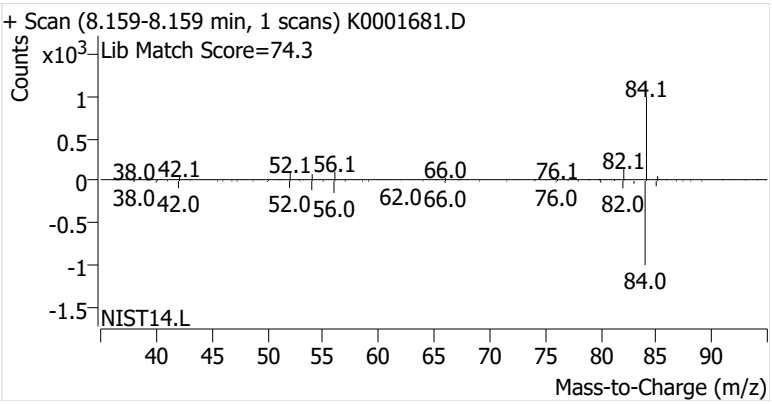
Sample Chromatogram



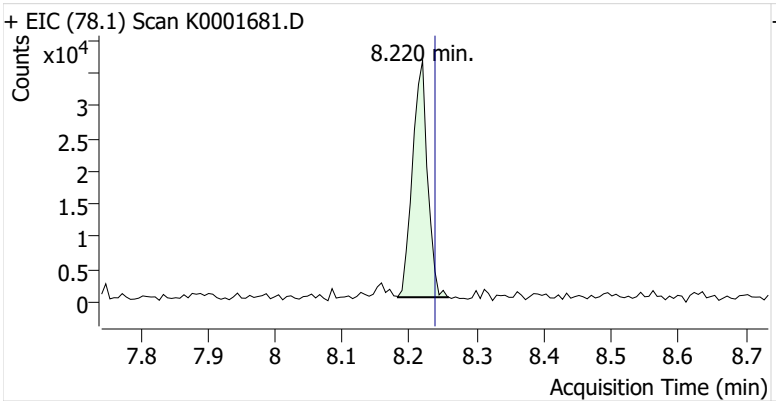
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	371,906	
Benzene	benzene-d6 (IS)	8.220	8.238	56,280	
Toluene-d8 (IS)		10.844	10.869	436,502	
Toluene	Toluene-d8 (IS)	10.942	10.967	79,756	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	11,863	
m-/p-Xylene	Toluene-d8 (IS)	13.304	13.340	24,761	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	7,915	

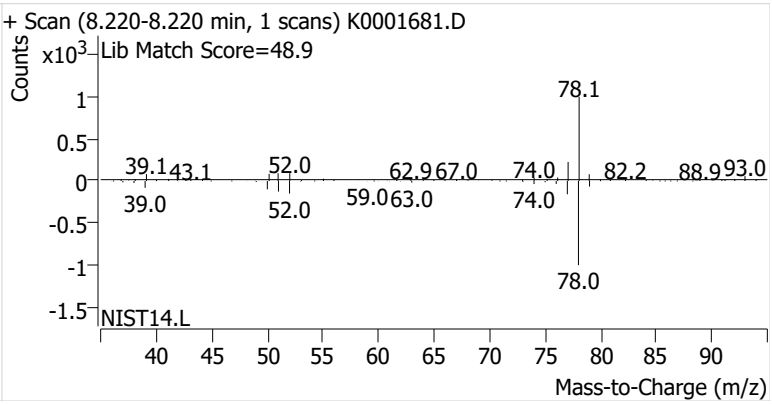
benzene-d6 (IS)



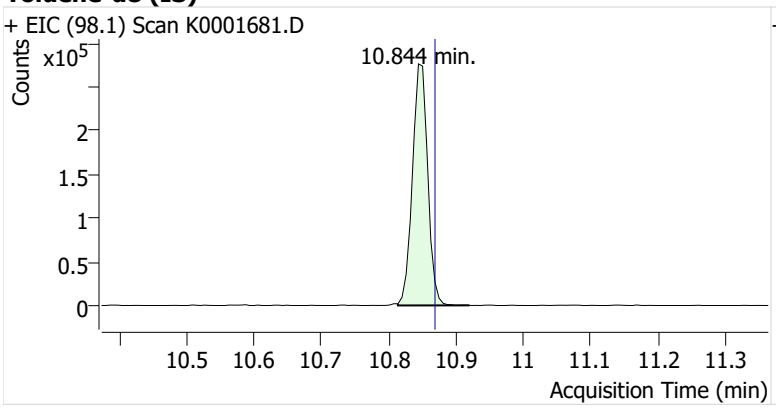


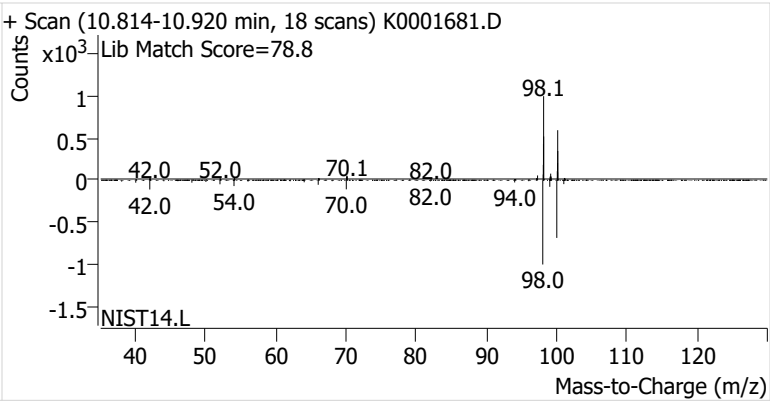
Benzene



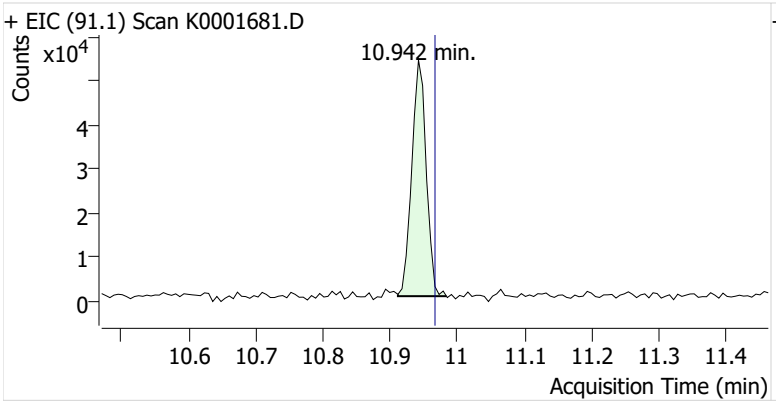


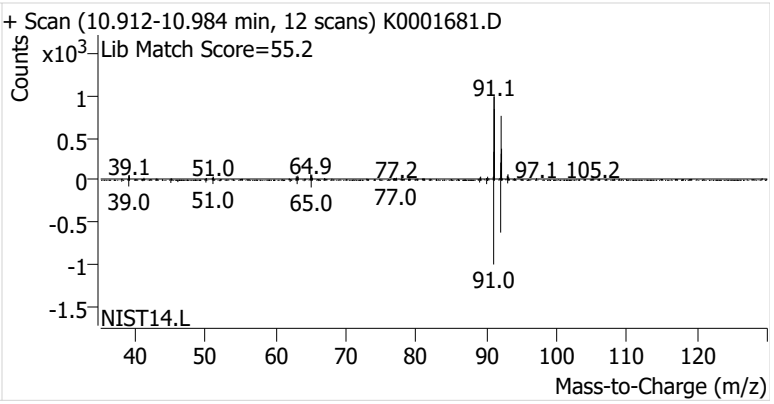
Toluene-d8 (IS)



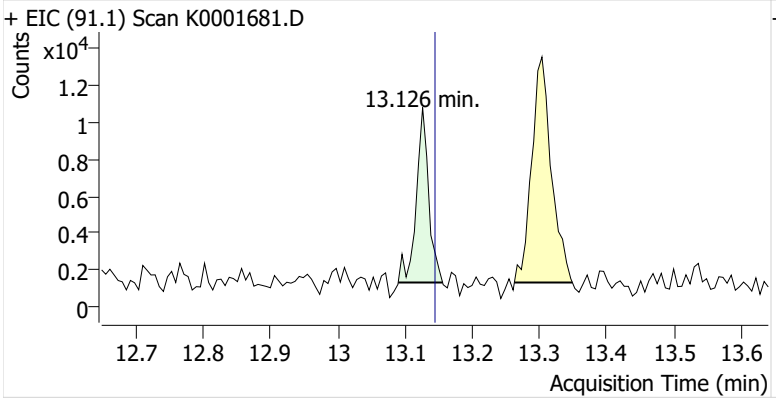


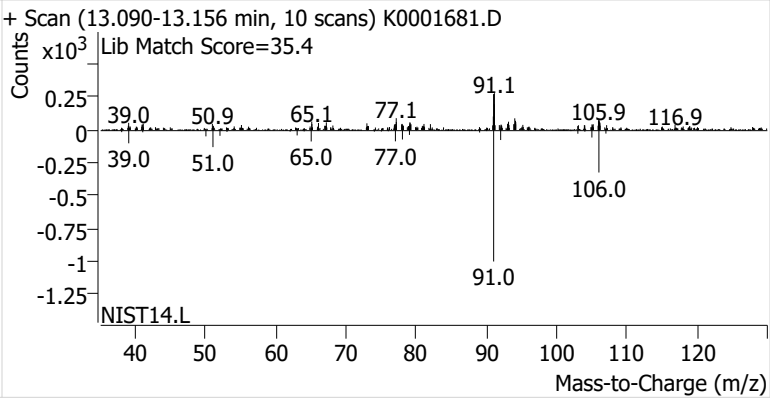
Toluene



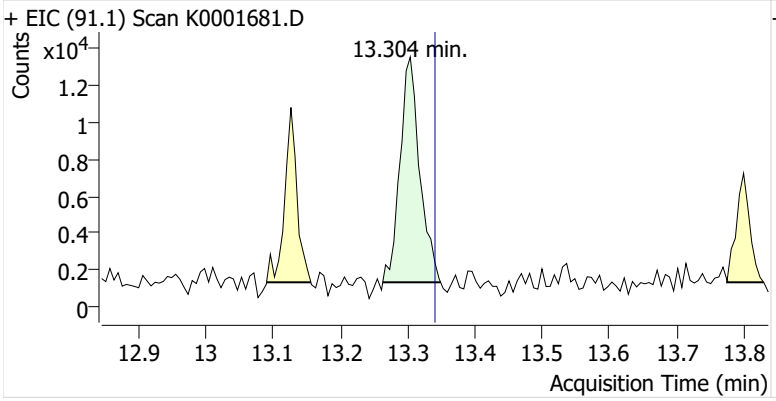


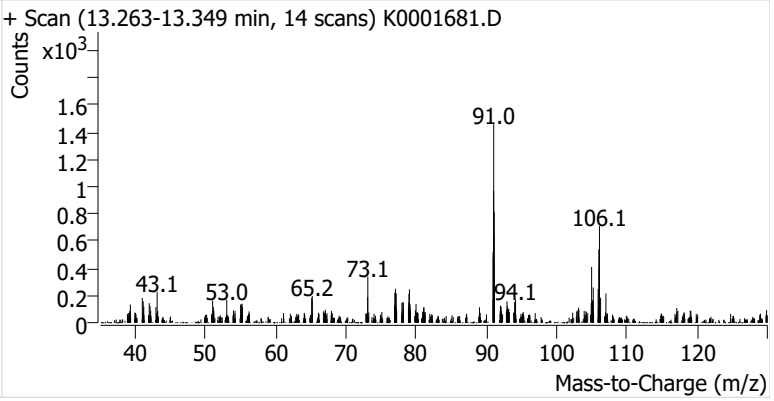
Ethylbenzene



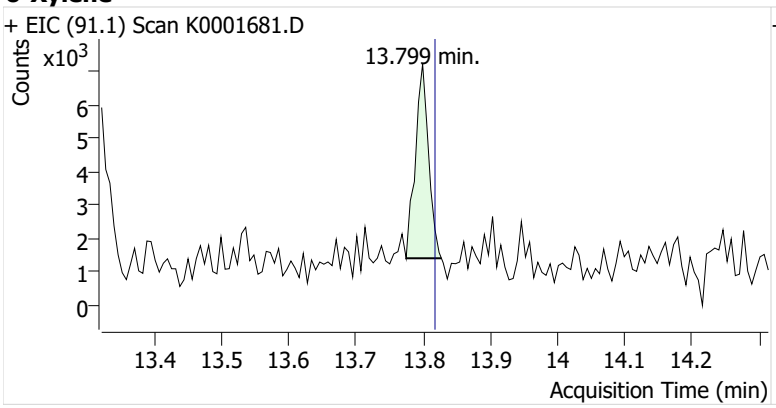


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan K0001681.D
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13.799 min.
6
5
4
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13.7
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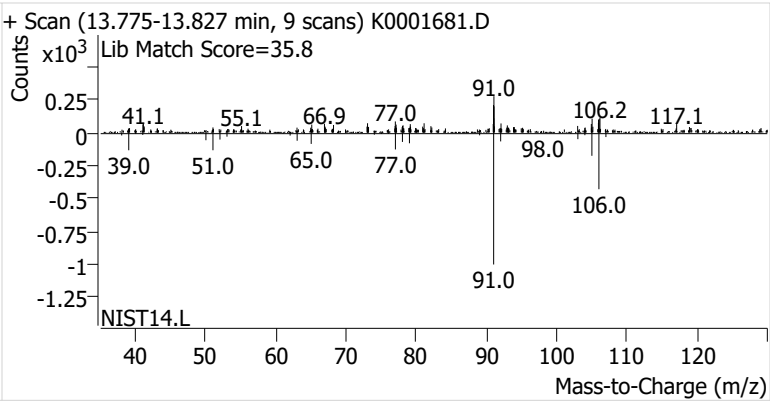
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.775-13.827 min, 9 scans) K0001681.D
Lib Match Score=35.8
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0
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-0.75
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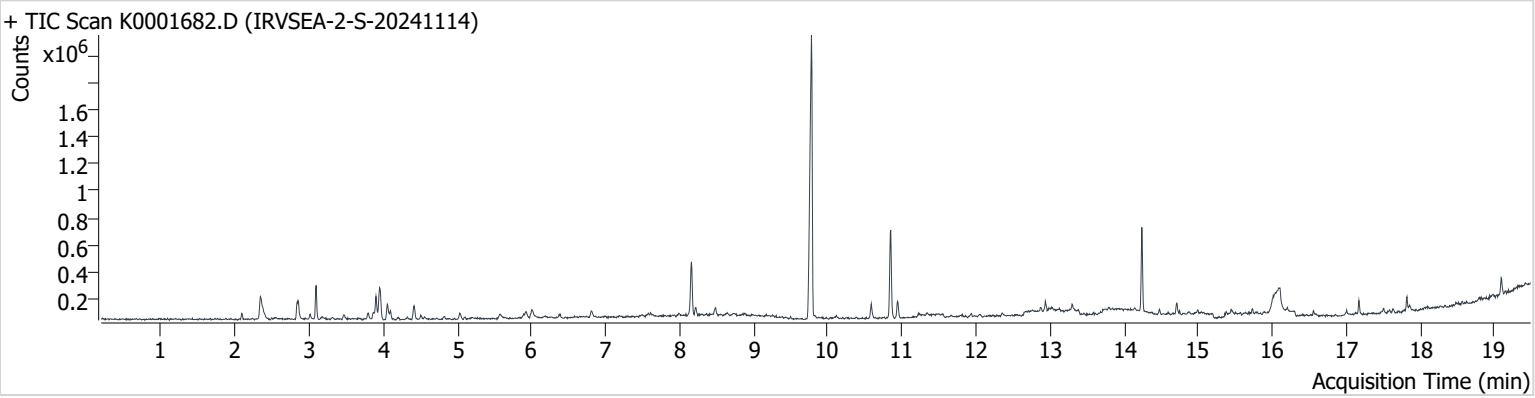
55.1
66.9
77.0
91.0
106.2
117.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
NIST14.L
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

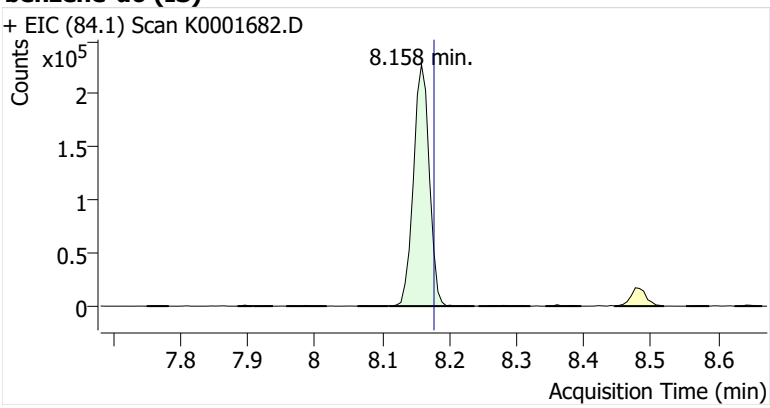
Name	IRVSEA-2-S-20241114
Comment	C00707
Data File	K0001682.D
Acq. Date-Time	12/3/2024 2:36:18 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

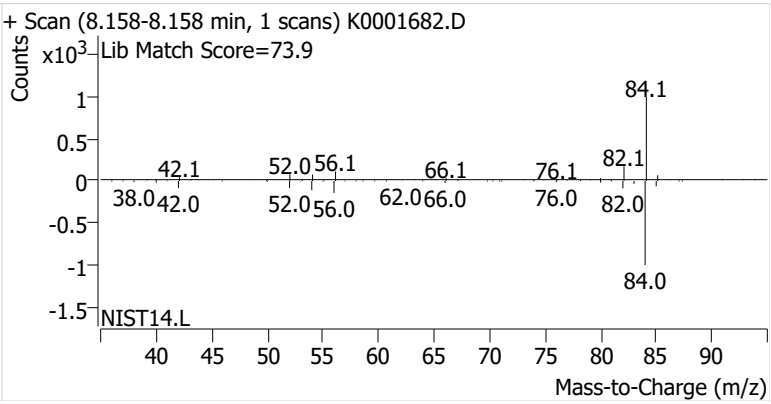
Sample Chromatogram



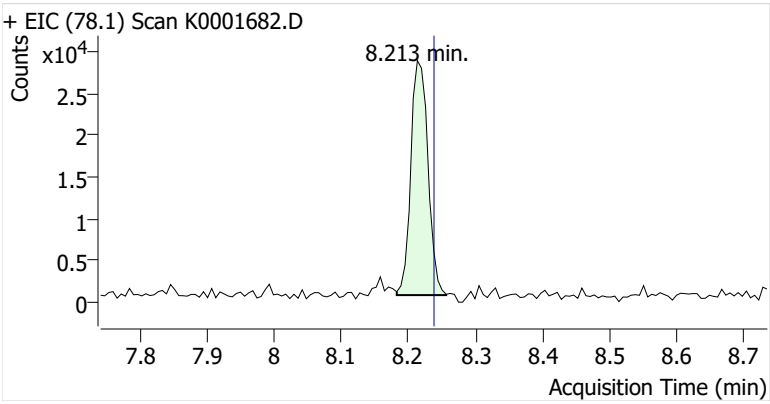
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	373,532	
Benzene	benzene-d6 (IS)	8.213	8.238	49,650	
Toluene-d8 (IS)		10.850	10.869	441,457	
Toluene	Toluene-d8 (IS)	10.948	10.967	85,913	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	11,481	
m-/p-Xylene	Toluene-d8 (IS)	13.297	13.340	28,561	
o-Xylene	Toluene-d8 (IS)	13.805	13.818	9,156	

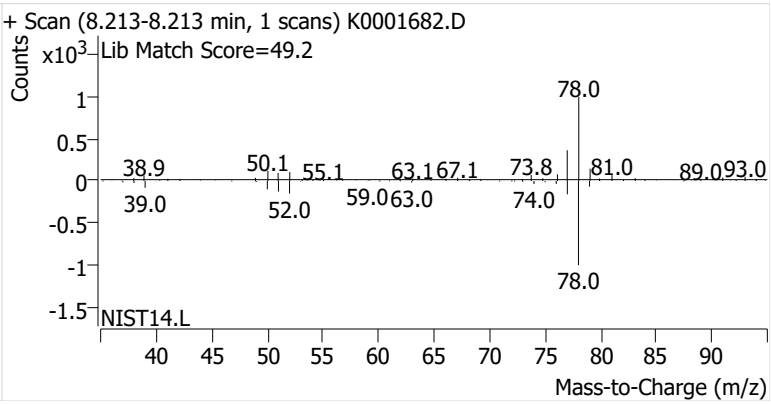
benzene-d6 (IS)



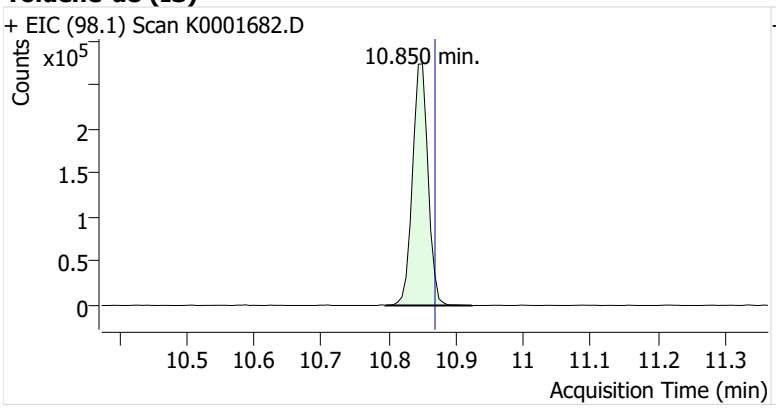


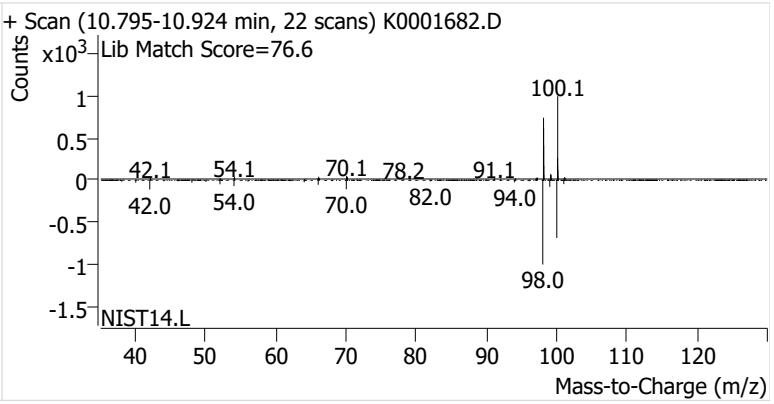
Benzene



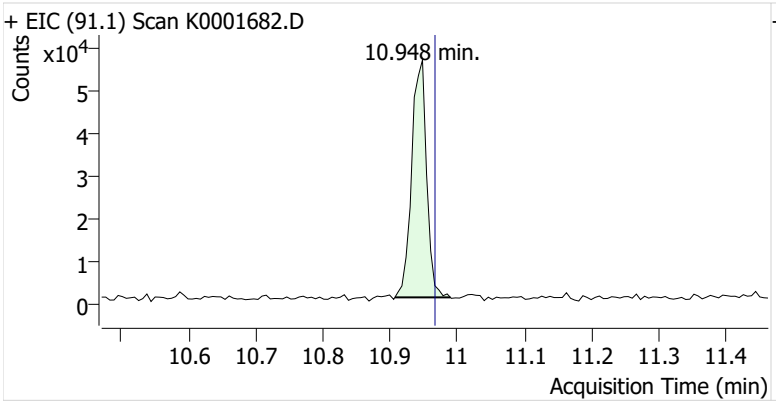


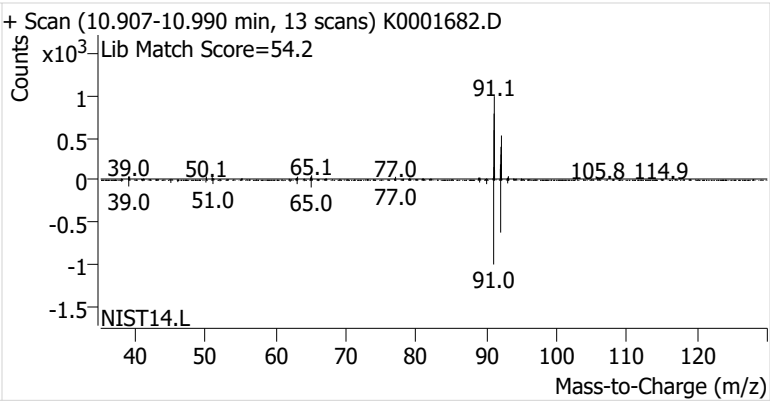
Toluene-d8 (IS)



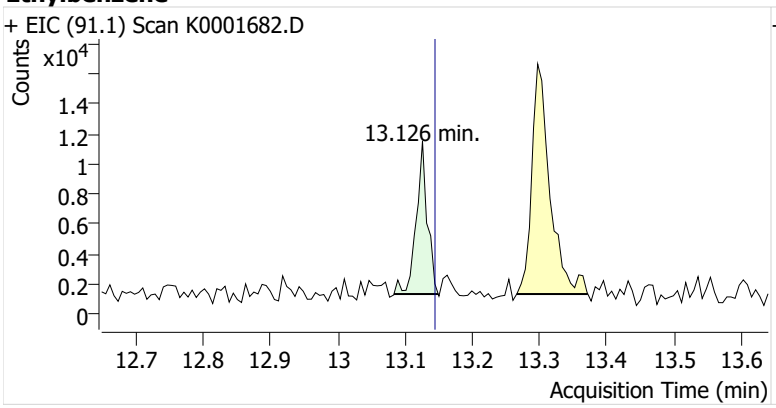


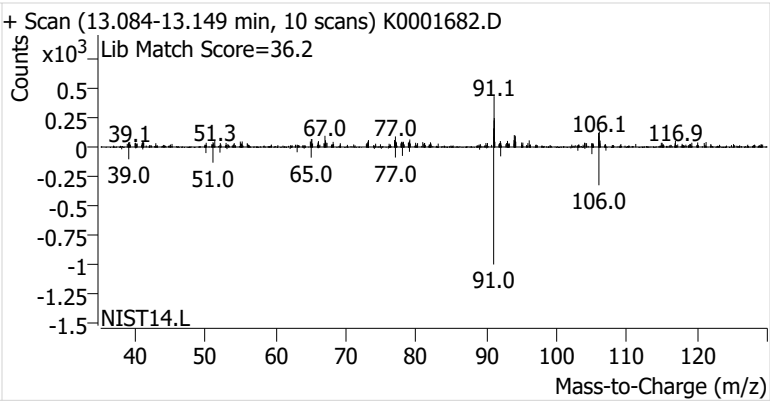
Toluene



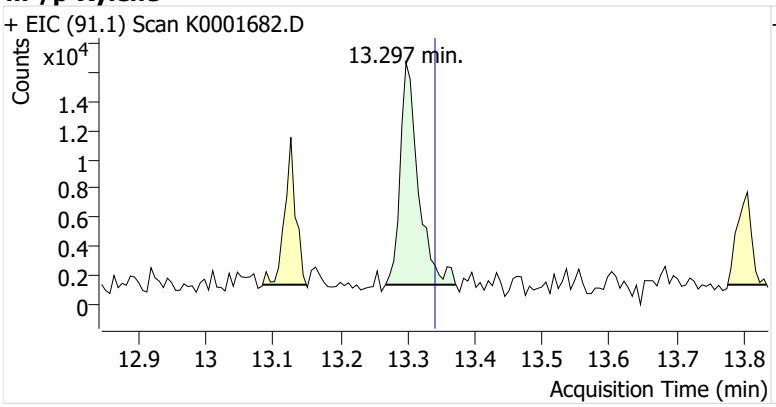


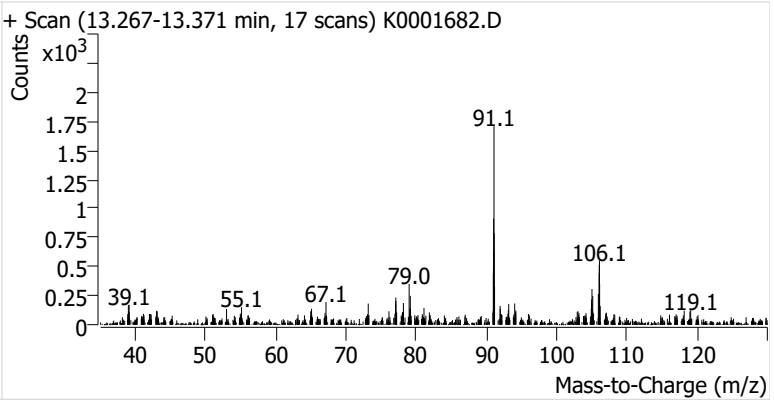
Ethylbenzene



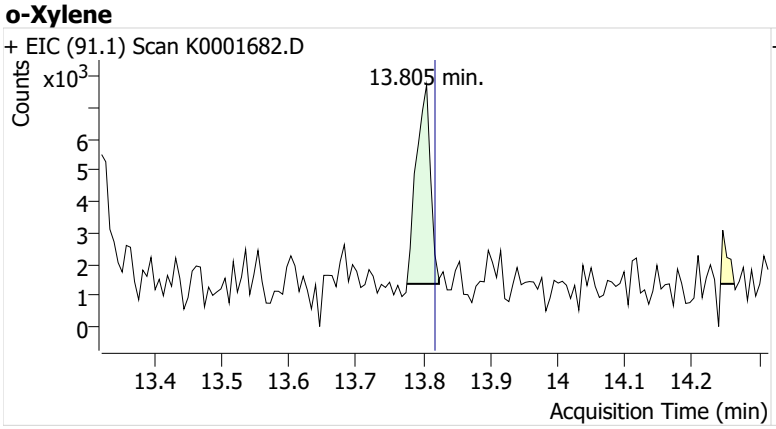


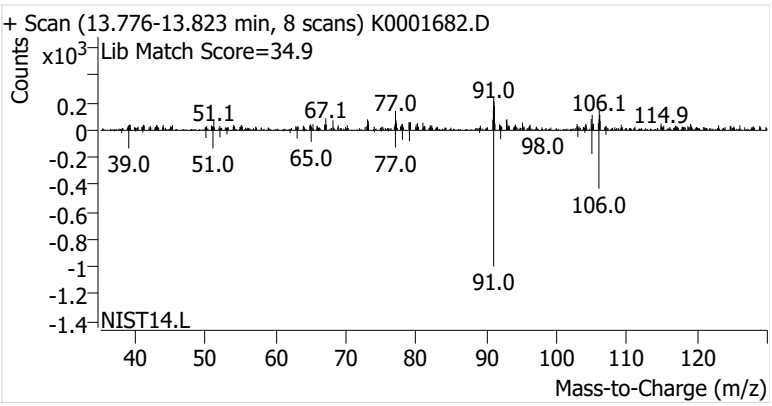
m-/p-Xylene





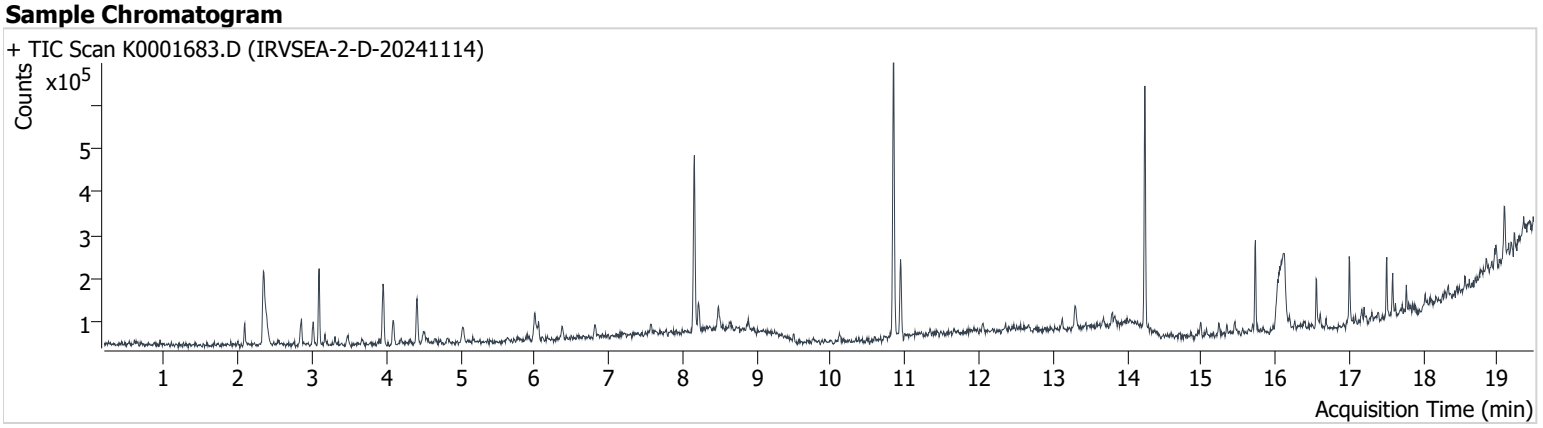
o-Xylene


+ EIC (91.1) Scan K0001682.D
Counts
x10^3
13.805 min.
6
5
4
3
2
1
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.776-13.823 min, 8 scans) K0001682.D
Counts
x10^3
Lib Match Score=34.9
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
39.0
51.1
51.0
65.0
67.1
77.0
77.0
91.0
91.0
98.0
106.1
106.0
114.9
NIST14.L
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

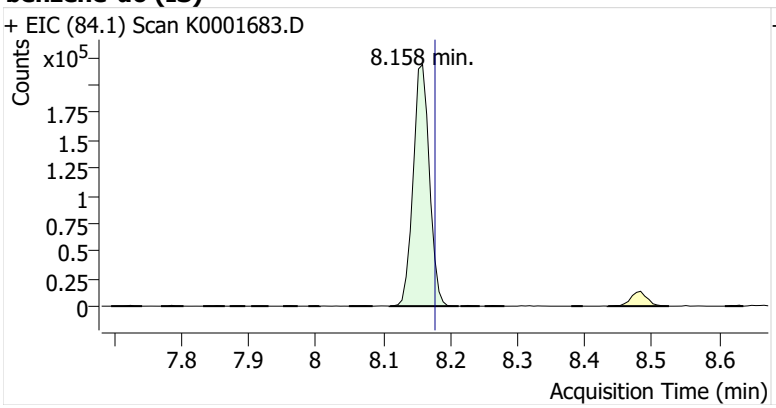
Name	IRVSEA-2-D-20241114
Comment	C53713
Data File	K0001683.D
Acq. Date-Time	12/3/2024 3:03:55 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

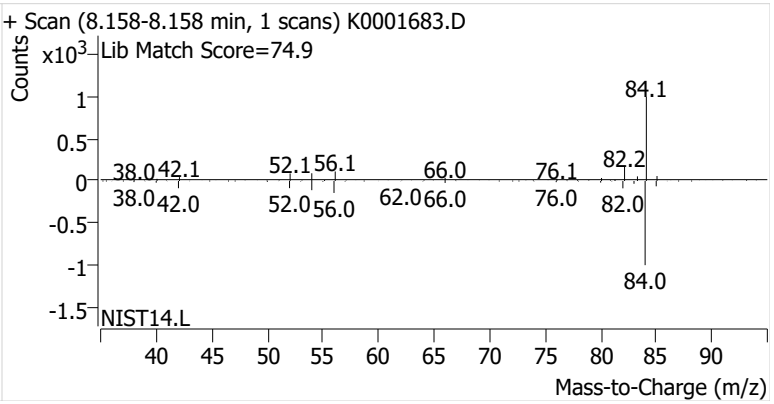
Sample Chromatogram



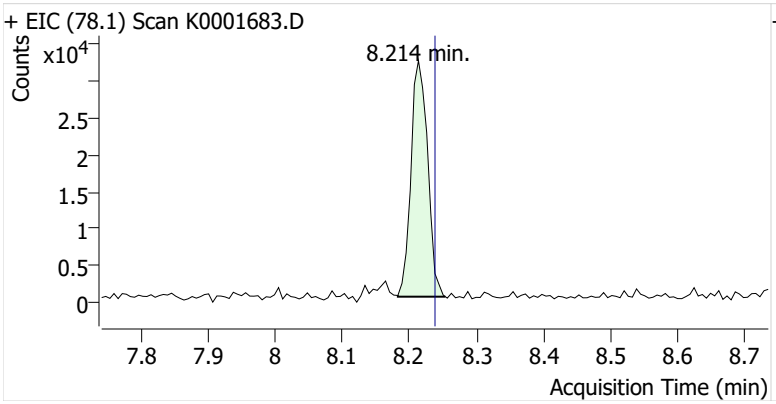
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	367,503	
Benzene	benzene-d6 (IS)	8.214	8.238	55,054	
Toluene-d8 (IS)		10.844	10.869	430,585	
Toluene	Toluene-d8 (IS)	10.942	10.967	121,935	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	14,205	
m-/p-Xylene	Toluene-d8 (IS)	13.297	13.340	40,376	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	15,533	

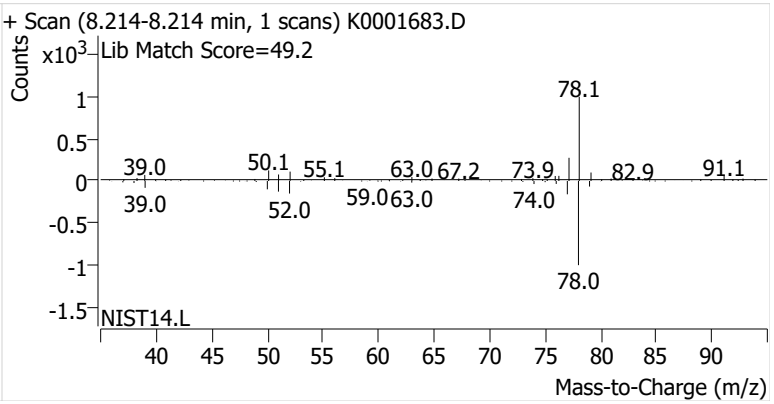
benzene-d6 (IS)



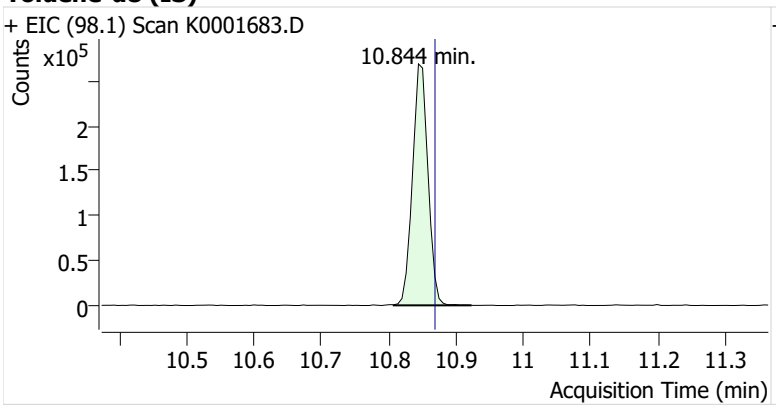


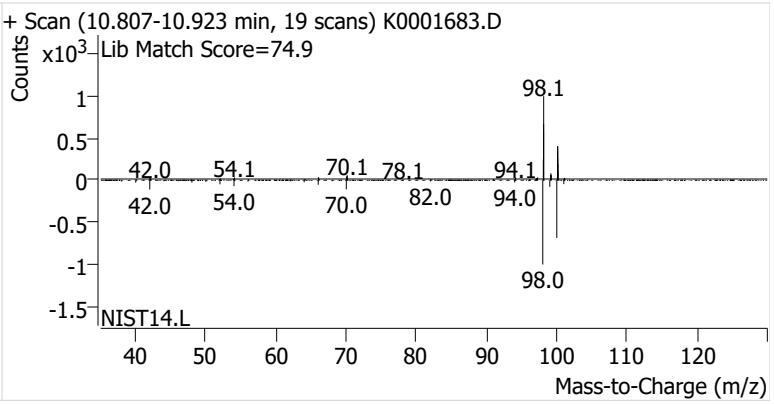
Benzene



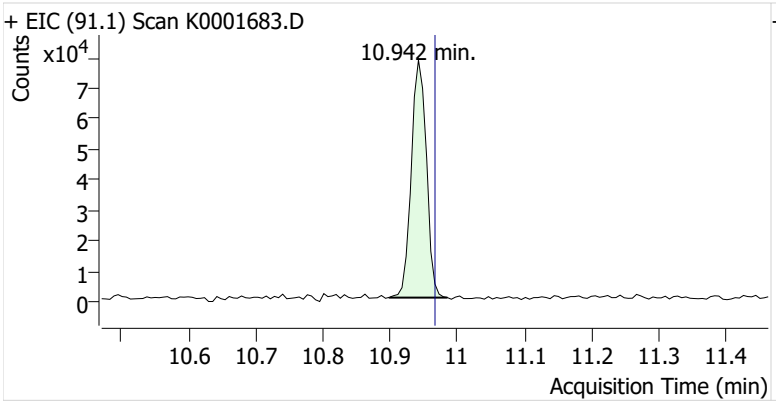


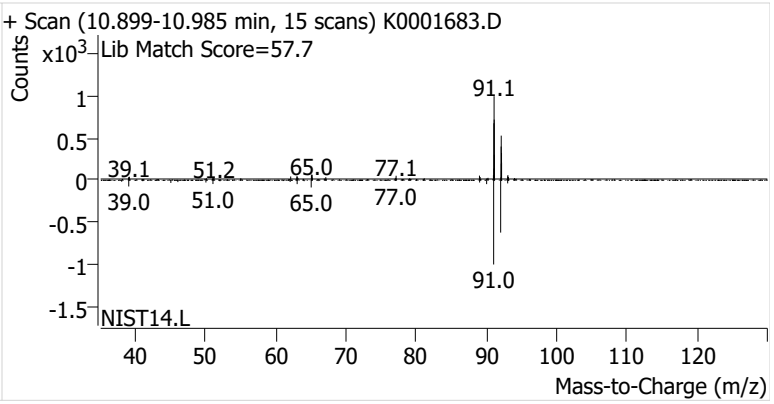
Toluene-d8 (IS)



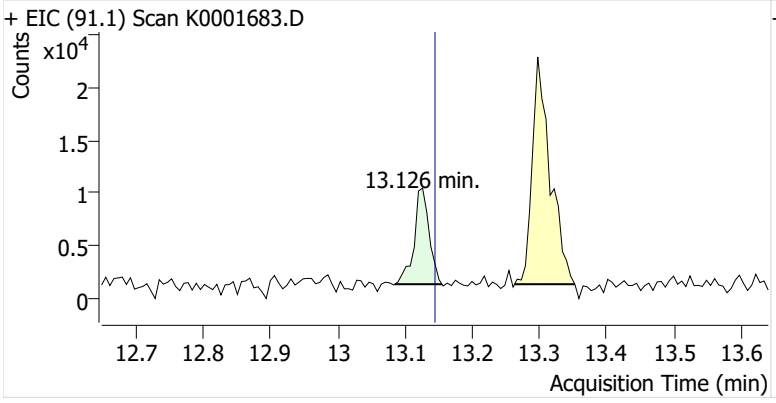


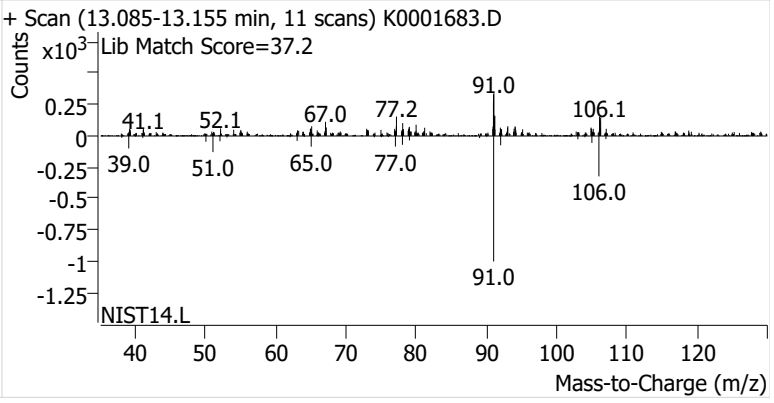
Toluene



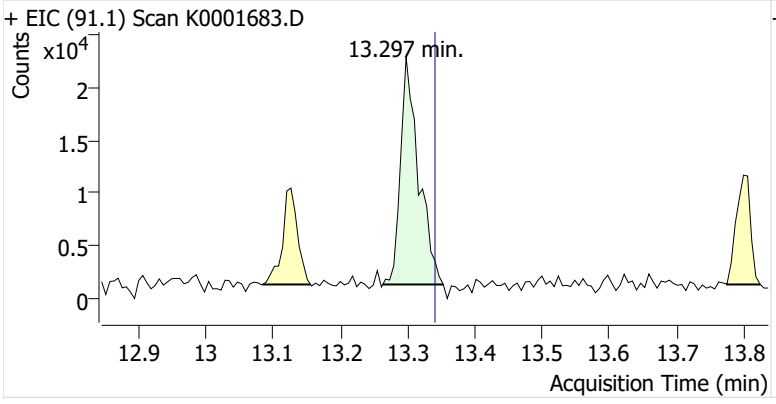


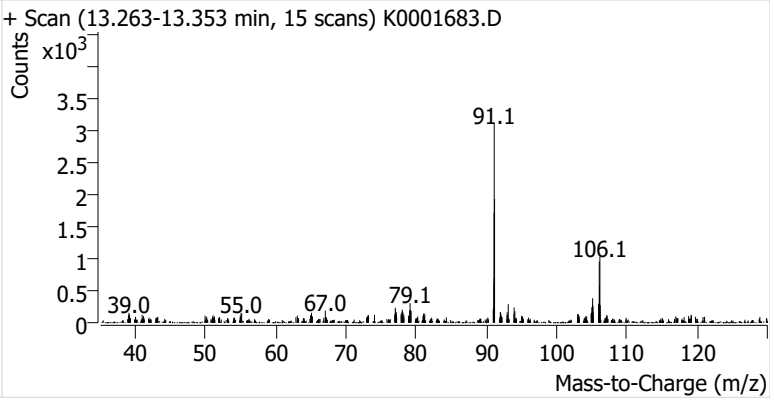
Ethylbenzene



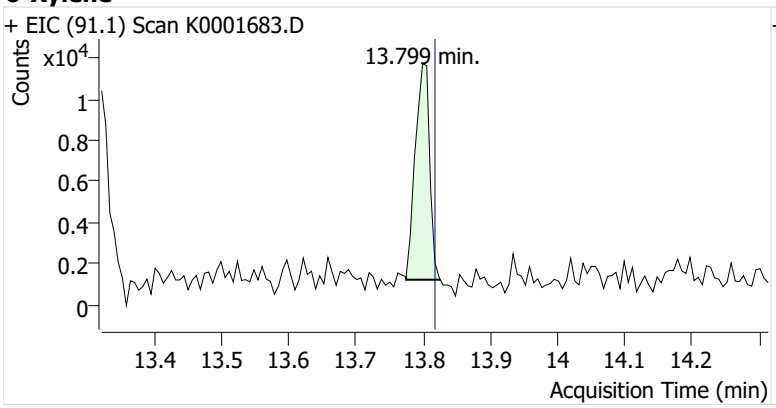


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan K0001683.D
Counts
x10^4
13.799 min.
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0.8
0.6
0.4
0.2
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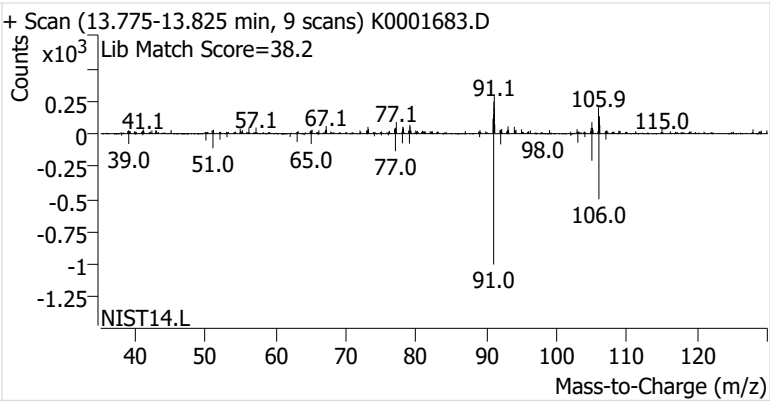
Acquisition Time (min)


+ Scan (13.775-13.825 min, 9 scans) K0001683.D
Lib Match Score=38.2
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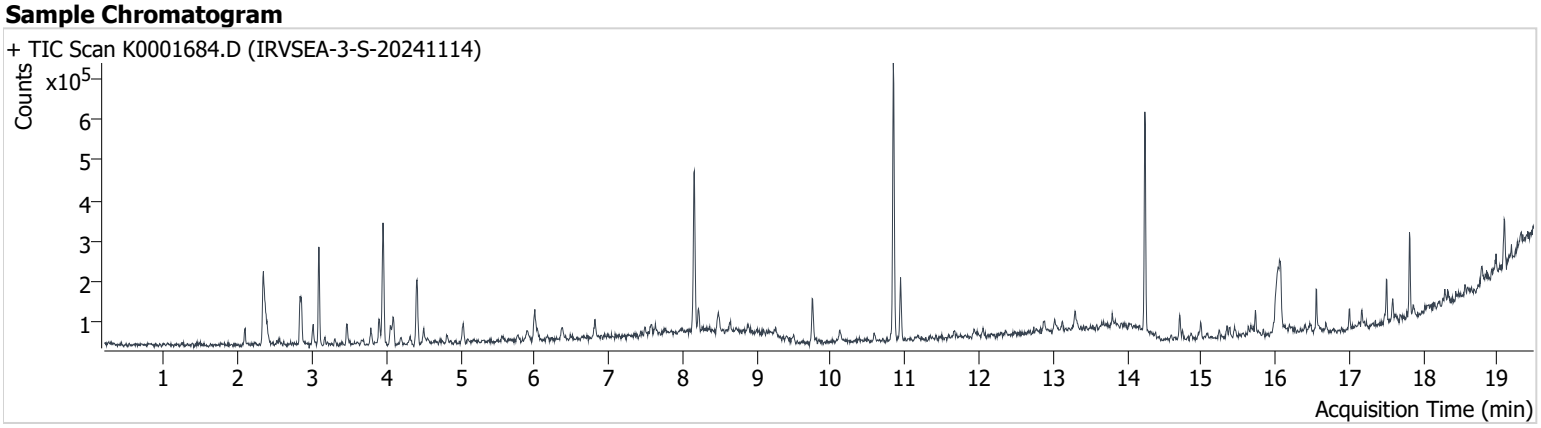
0
-0.25
-0.5
-0.75
-1
-1.25
91.1
105.9
41.1
57.1
67.1
77.1
115.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

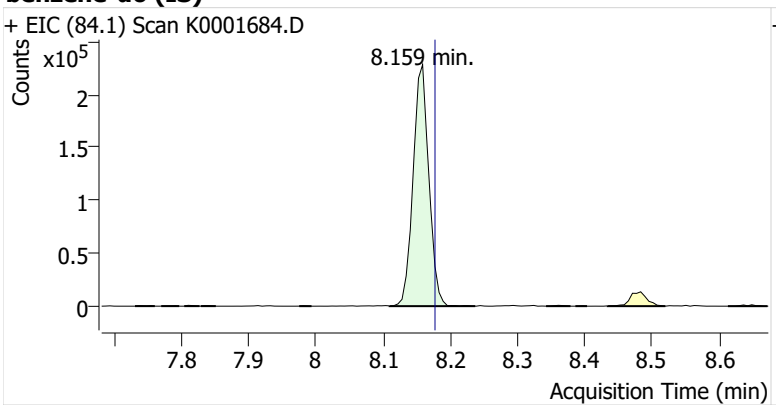
Name	IRVSEA-3-S-20241114
Comment	C32857
Data File	K0001684.D
Acq. Date-Time	12/3/2024 3:31:28 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

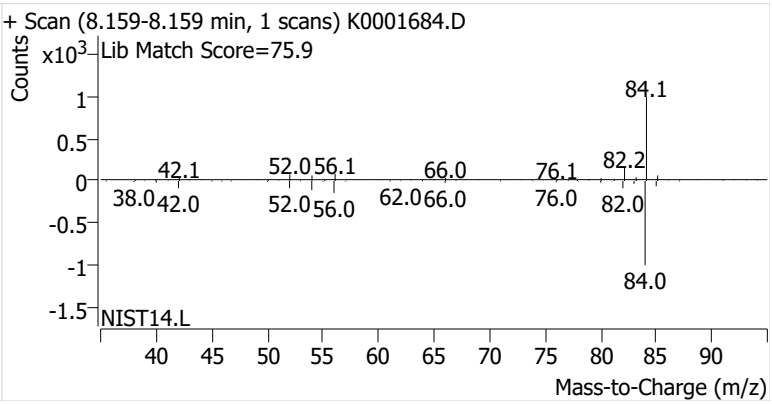
Sample Chromatogram



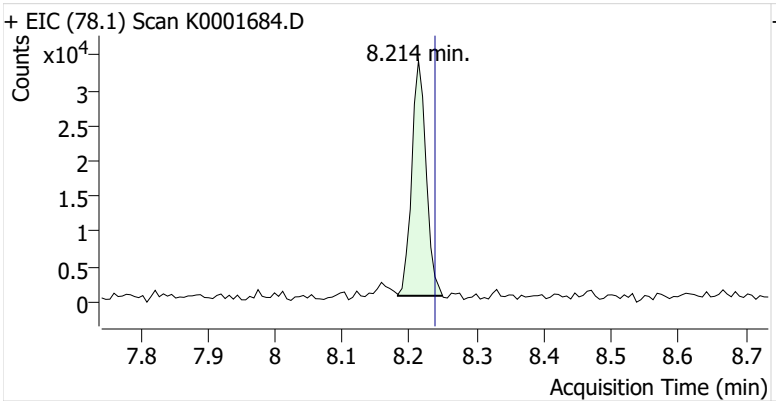
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	370,585	
Benzene	benzene-d6 (IS)	8.214	8.238	49,437	
Toluene-d8 (IS)		10.844	10.869	439,797	
Toluene	Toluene-d8 (IS)	10.942	10.967	97,283	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	13,734	
m-/p-Xylene	Toluene-d8 (IS)	13.297	13.340	30,161	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	12,779	

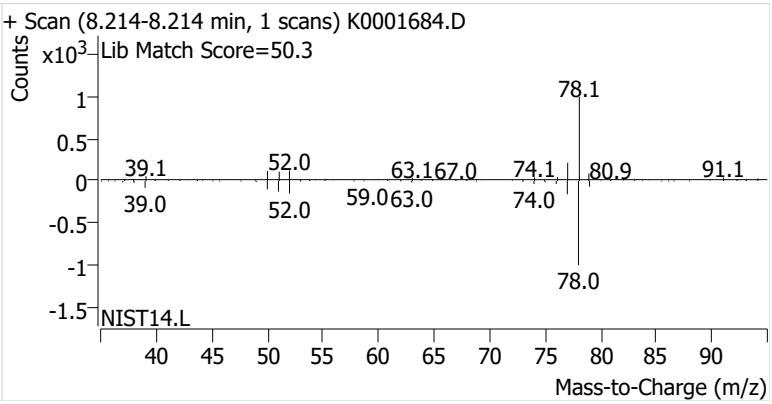
benzene-d6 (IS)



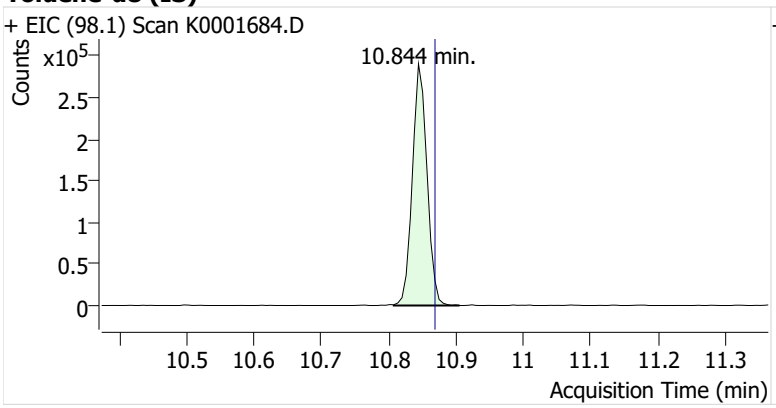


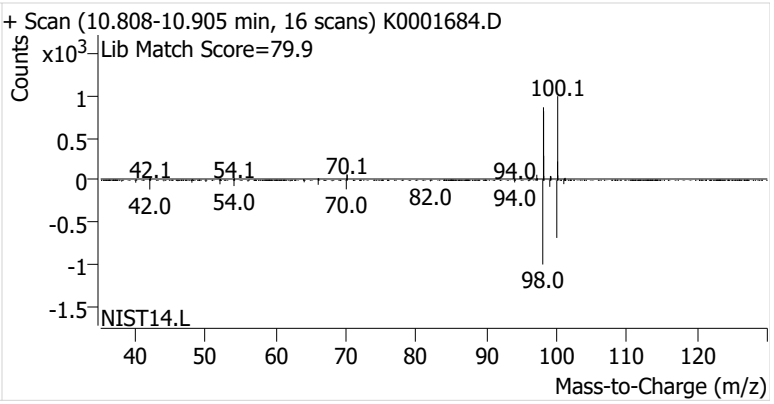
Benzene



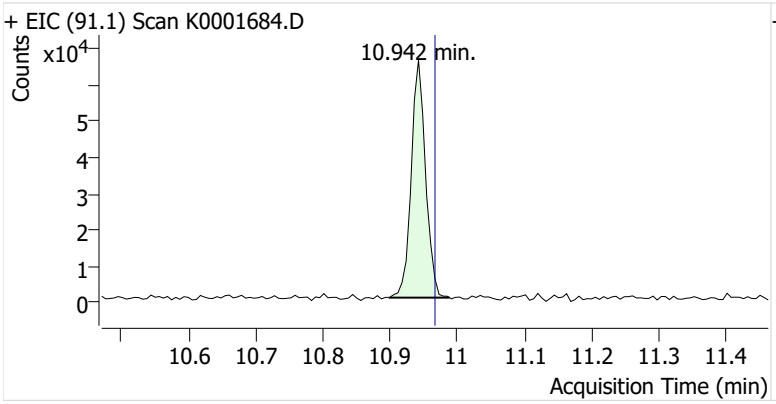


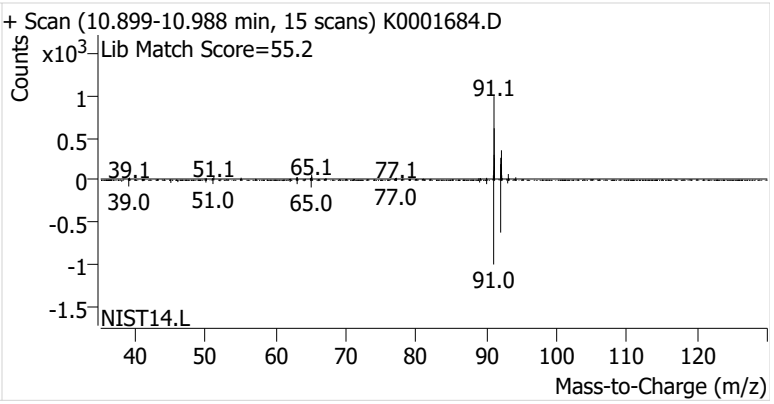
Toluene-d8 (IS)



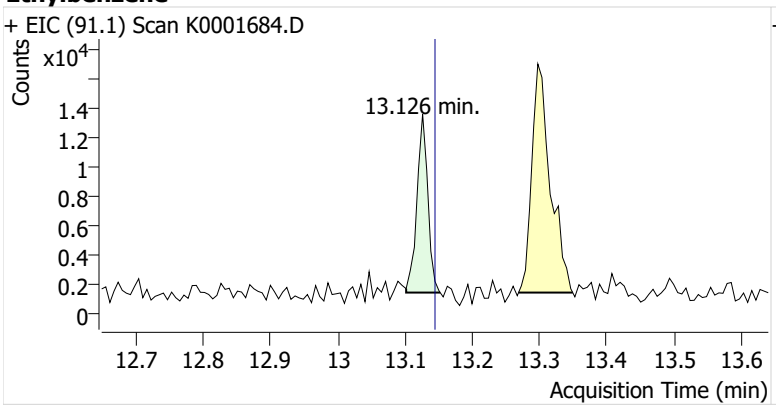


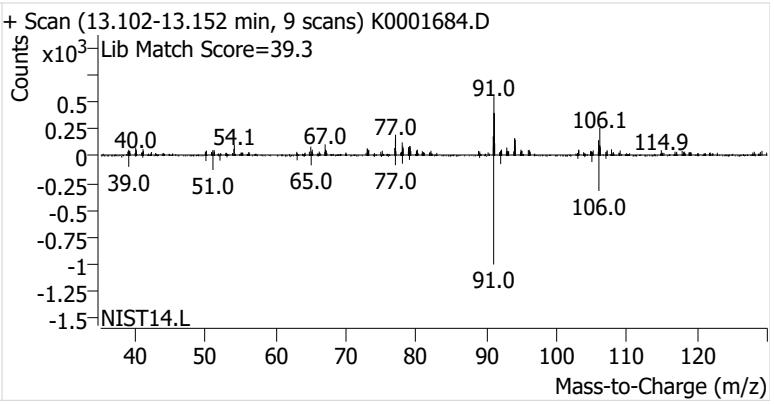
Toluene



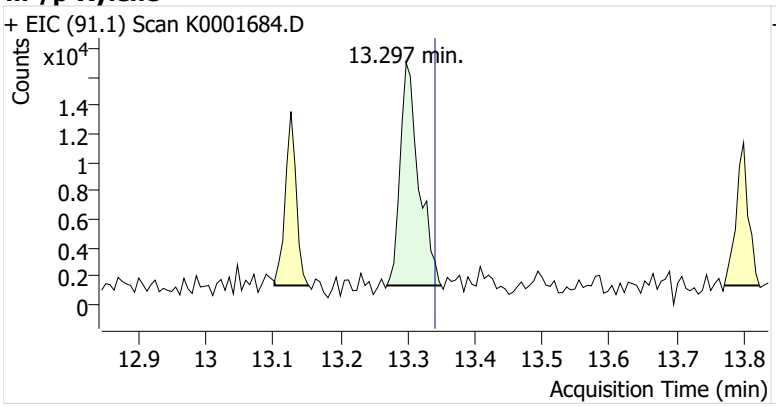


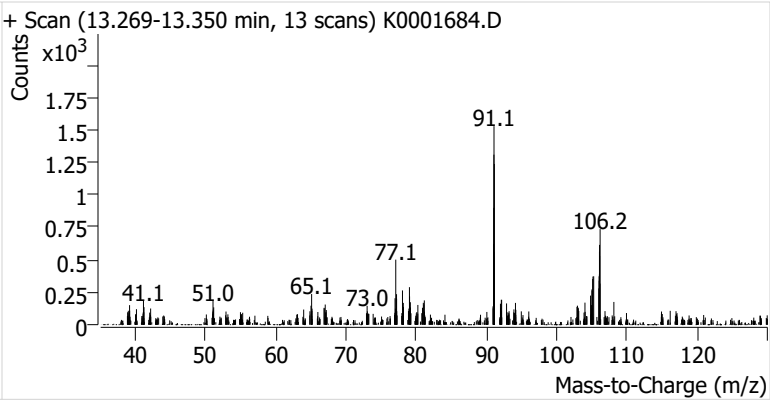
Ethylbenzene



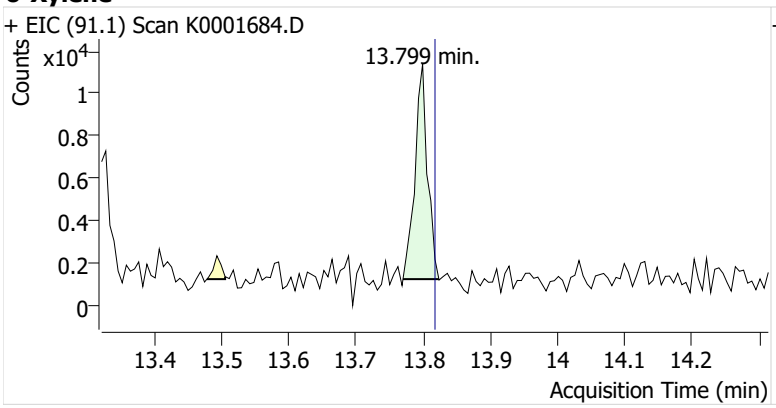


m-/p-Xylene





o-Xylene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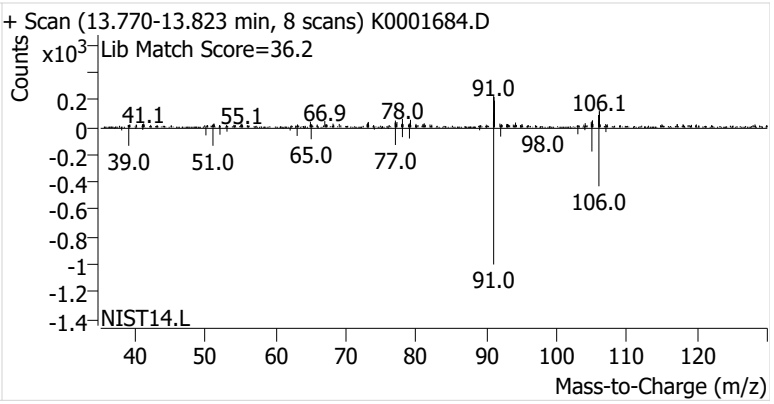
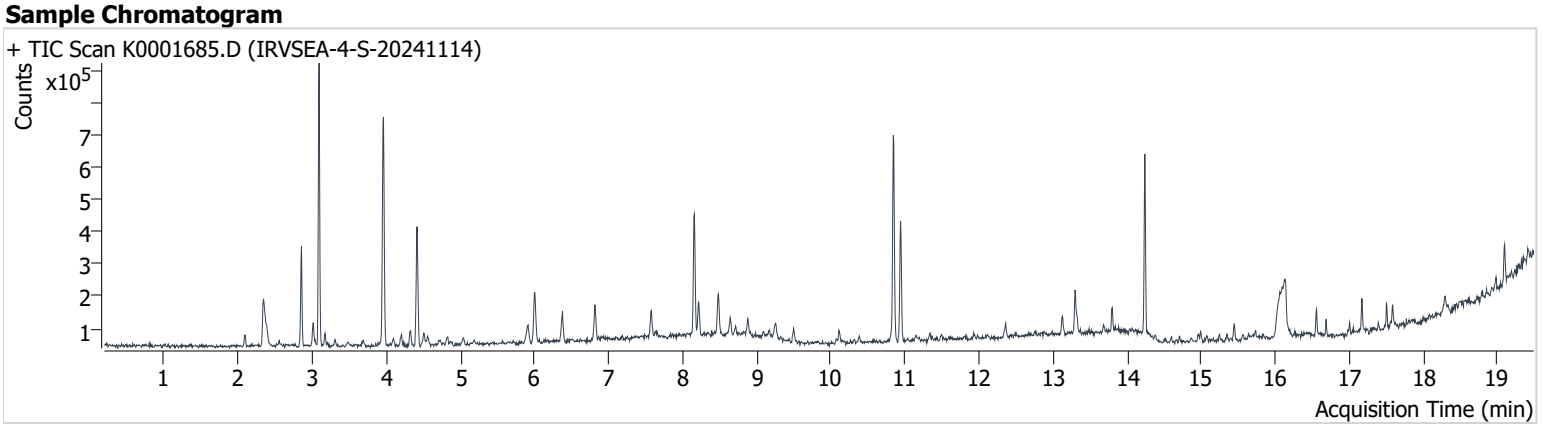
x10^4
13.799 min.
Acquisition Time (min)


+ Scan (13.770-13.823 min, 8 scans) K0001684.D
Counts
x10^3
Lib Match Score=36.2
NIST14.L
Mass-to-Charge (m/z)

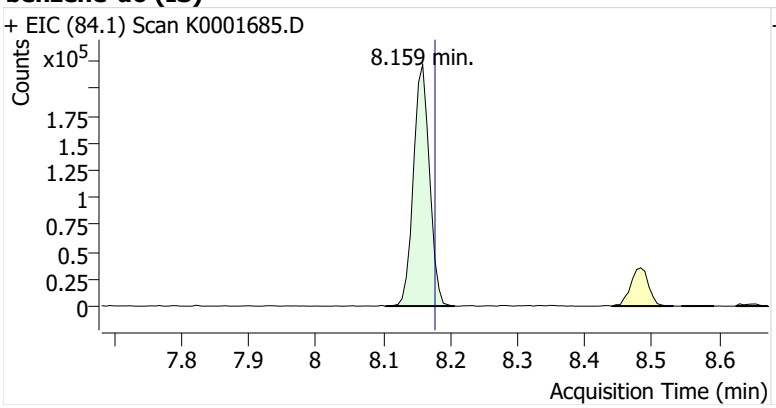
Name	IRVSEA-4-S-20241114
Comment	B24877
Data File	K0001685.D
Acq. Date-Time	12/3/2024 3:59:03 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

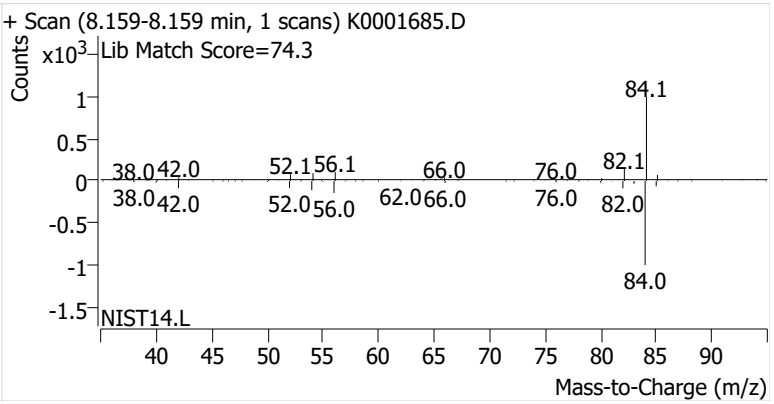
Sample Chromatogram



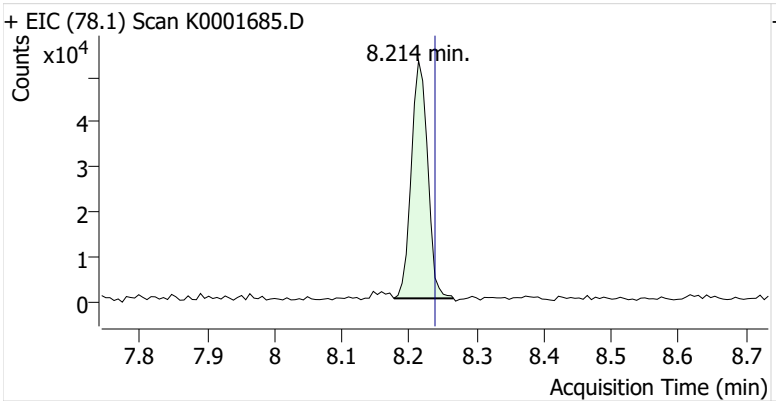
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	368,046	
Benzene	benzene-d6 (IS)	8.214	8.238	89,359	
Toluene-d8 (IS)		10.844	10.869	433,958	
Toluene	Toluene-d8 (IS)	10.942	10.967	260,673	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	35,229	
m-/p-Xylene	Toluene-d8 (IS)	13.304	13.340	88,613	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	32,868	

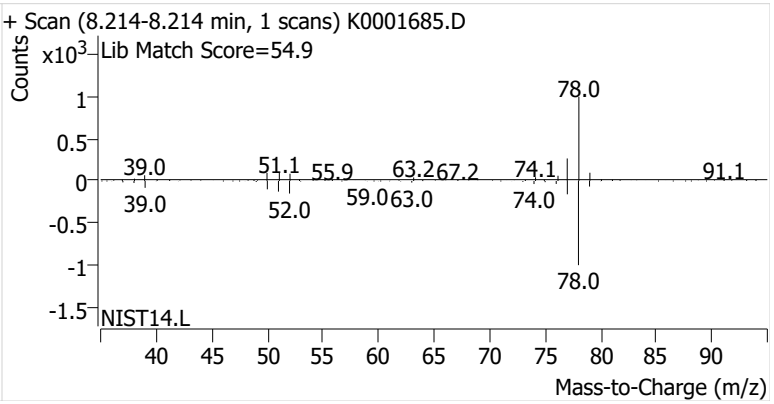
benzene-d6 (IS)



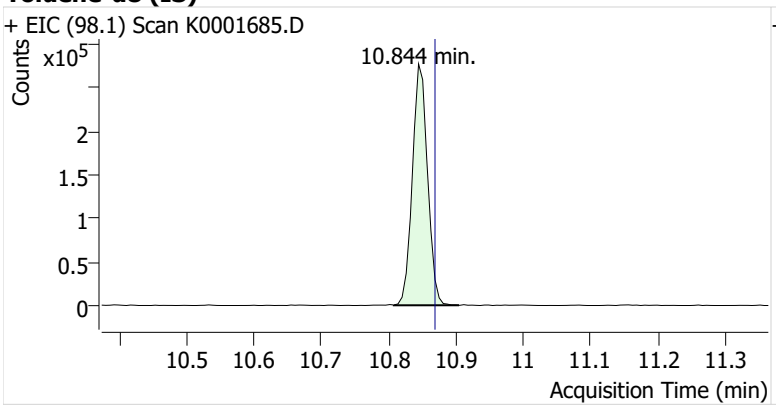


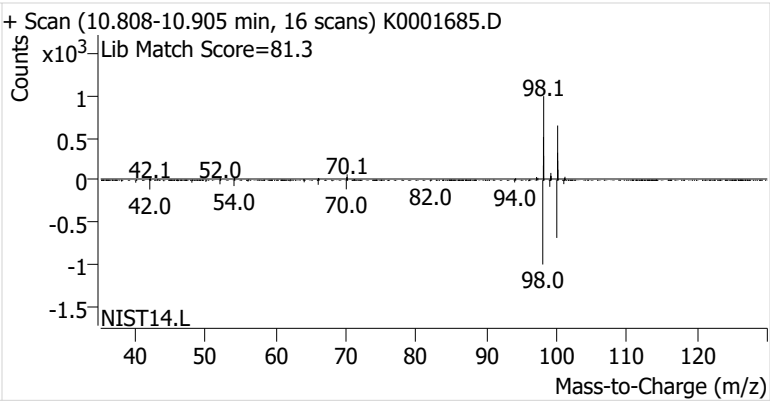
Benzene



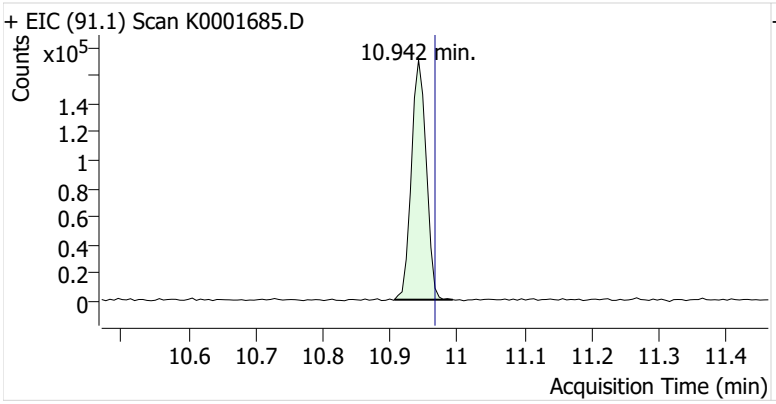


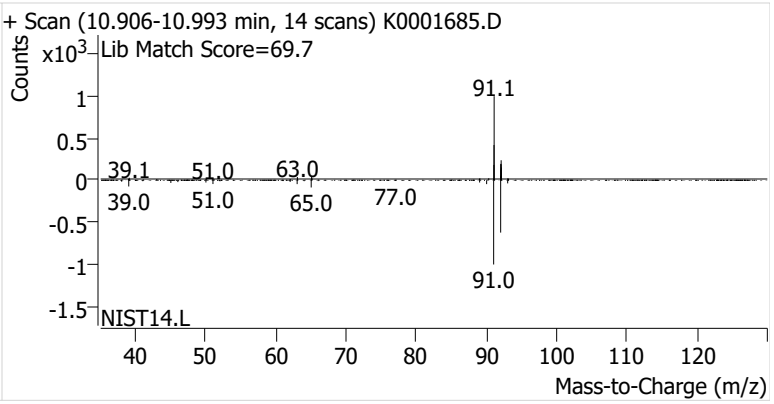
Toluene-d8 (IS)



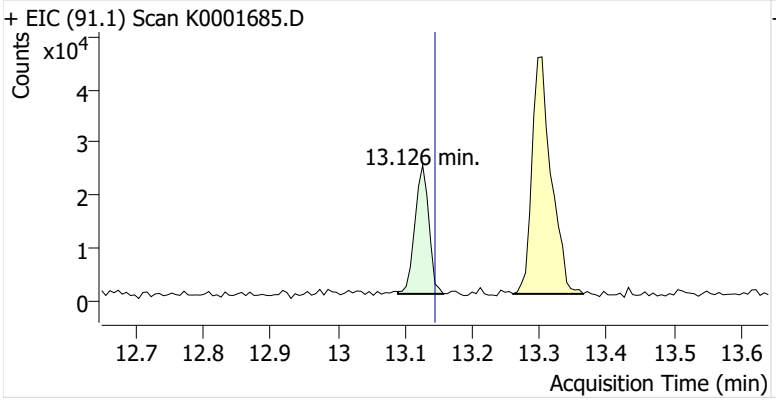


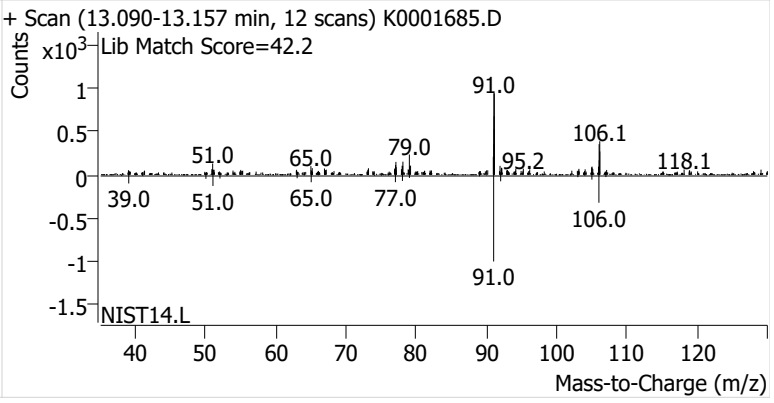
Toluene



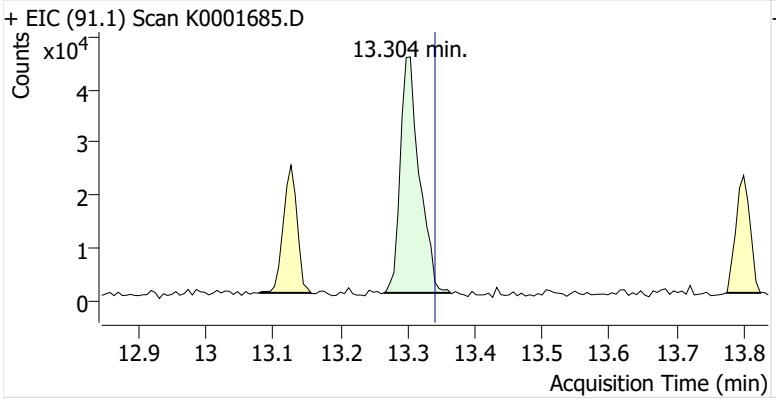


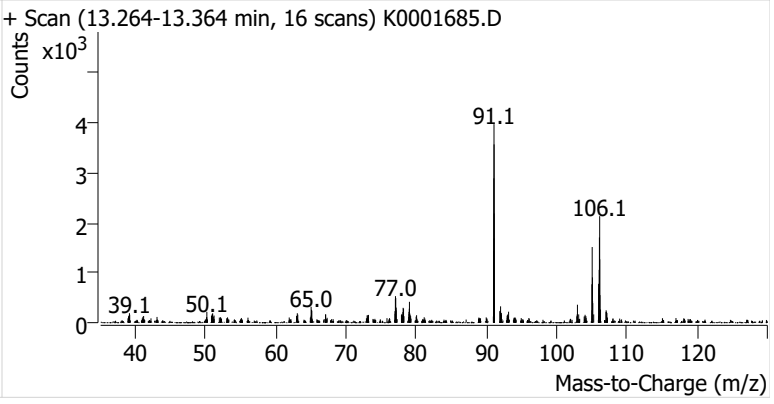
Ethylbenzene



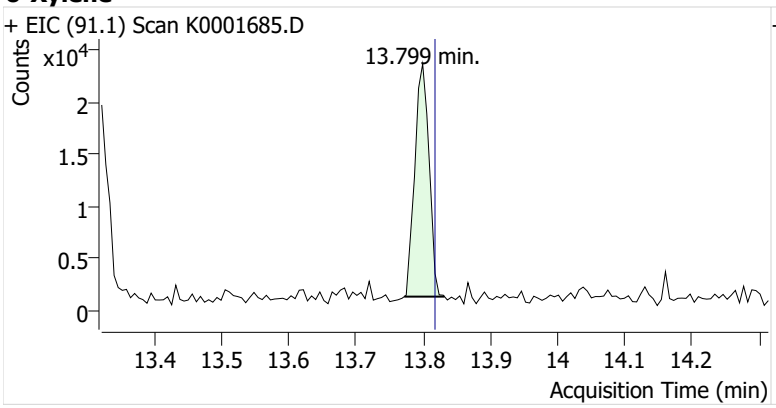


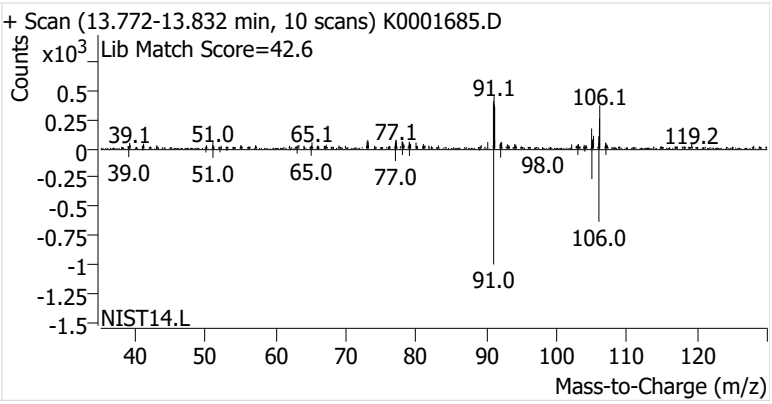
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan K0001685.D
Counts
x10^4
13.799 min.
2
1.5
1
0.5
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.772-13.832 min, 10 scans) K0001685.D
Counts
x10^3
Lib Match Score=42.6
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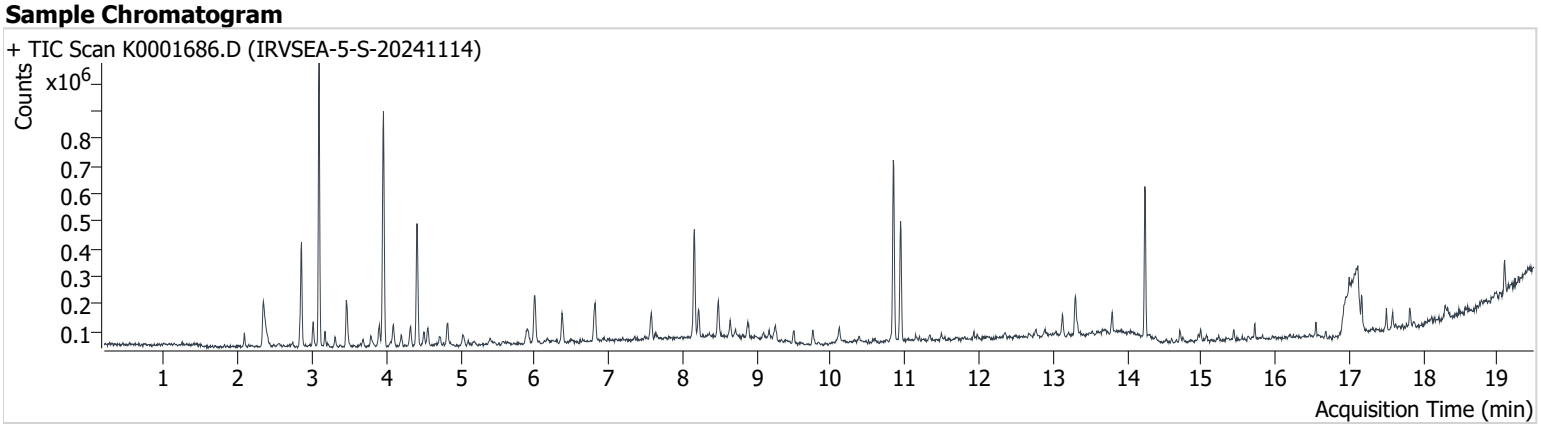
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
-1.5
39.1 51.0 65.1 77.1 91.1 106.1 119.2
39.0 51.0 65.0 77.0 98.0 106.0 91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

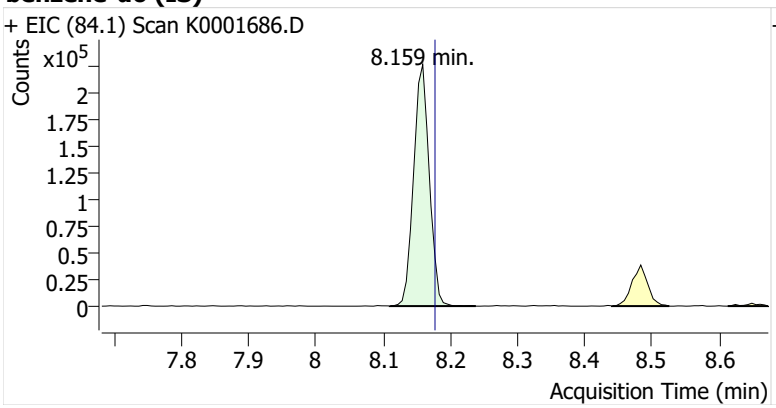
Name	IRVSEA-5-S-20241114
Comment	B46208
Data File	K0001686.D
Acq. Date-Time	12/3/2024 4:26:37 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

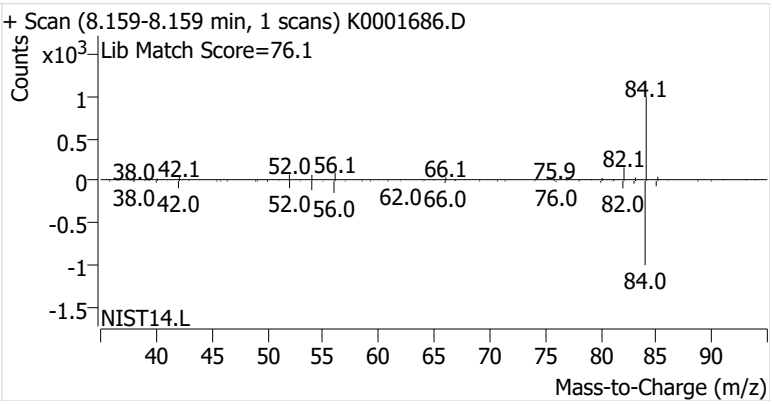
Sample Chromatogram



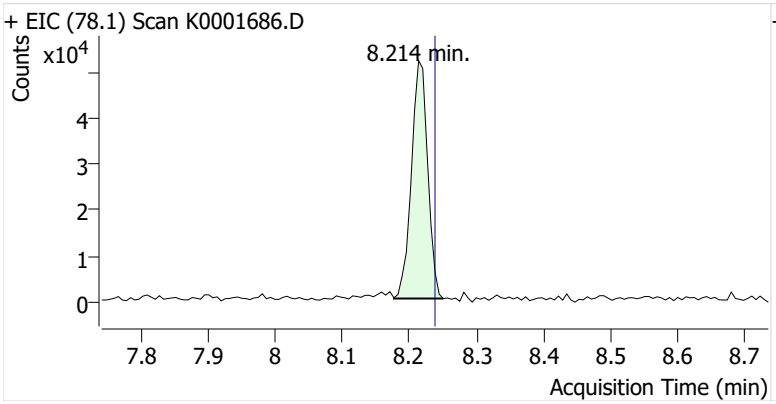
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	366,663	
Benzene	benzene-d6 (IS)	8.214	8.238	86,860	
Toluene-d8 (IS)		10.844	10.869	445,742	
Toluene	Toluene-d8 (IS)	10.942	10.967	306,675	
Ethylbenzene	Toluene-d8 (IS)	13.132	13.145	50,911	
m-/p-Xylene	Toluene-d8 (IS)	13.298	13.340	97,005	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	35,236	

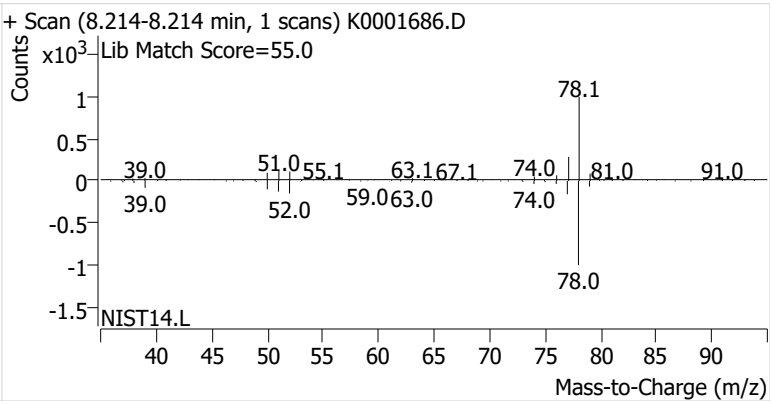
benzene-d6 (IS)



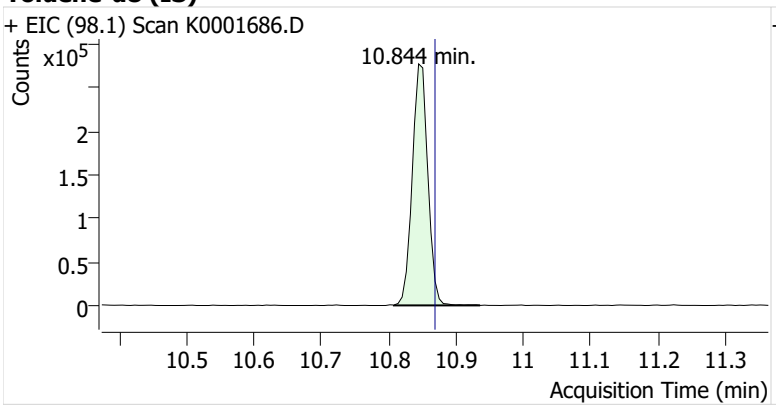


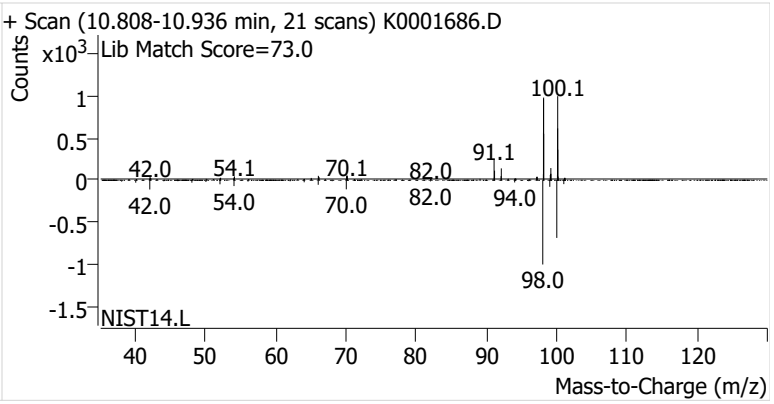
Benzene



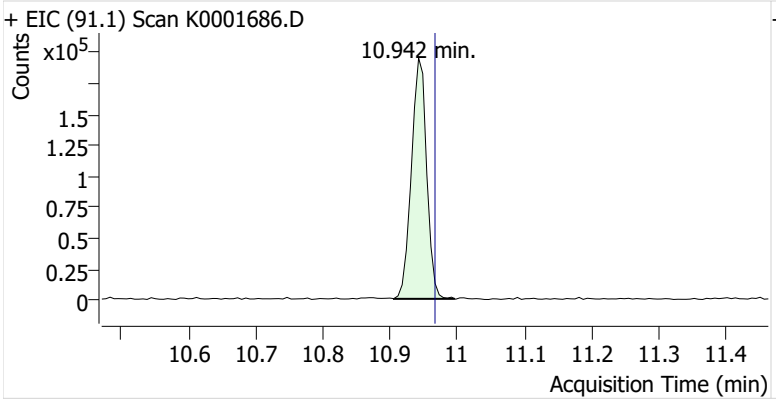


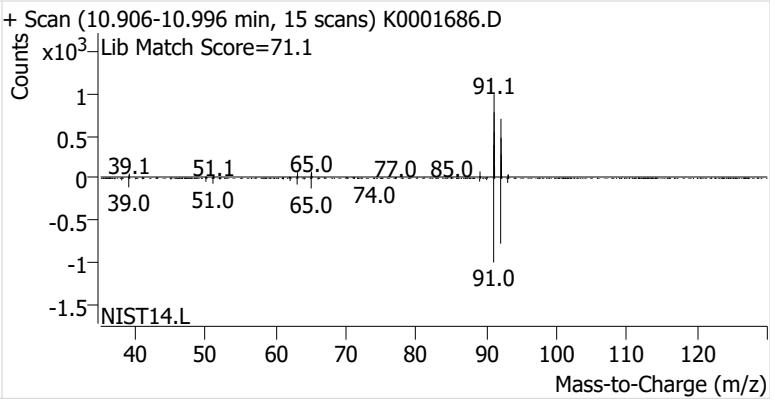
Toluene-d8 (IS)



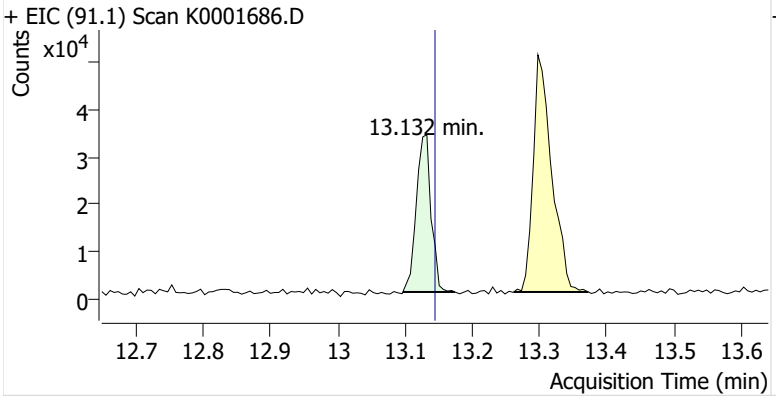


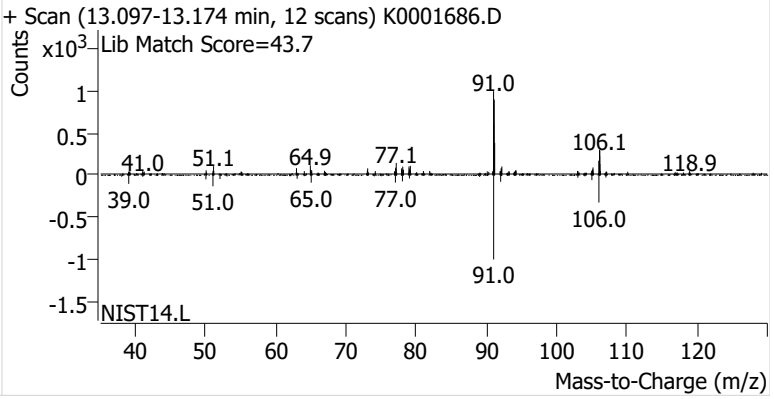
Toluene



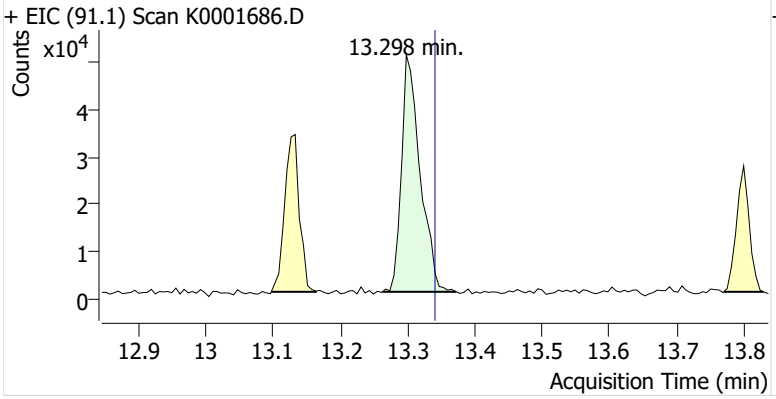


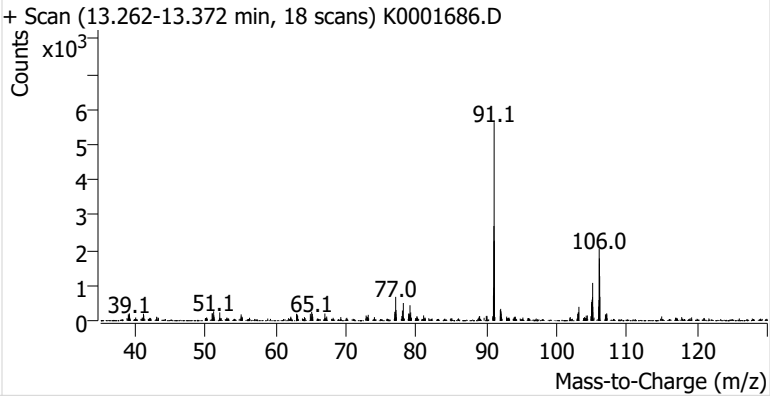
Ethylbenzene



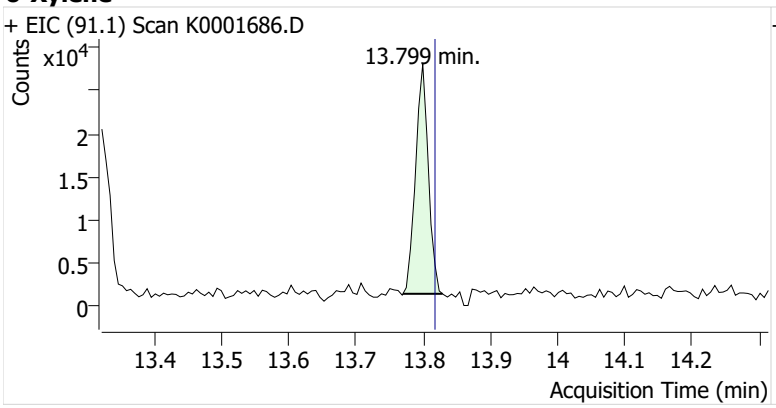


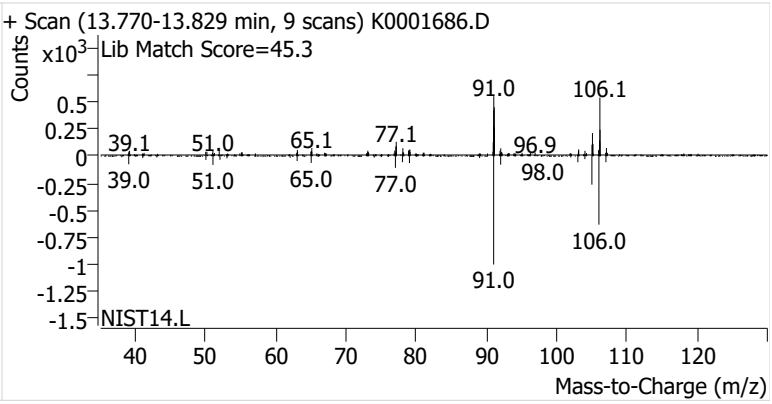
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan K0001686.D
Counts
x10^4
13.799 min.
2
1.5
1
0.5
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)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x10^3
Lib Match Score=45.3
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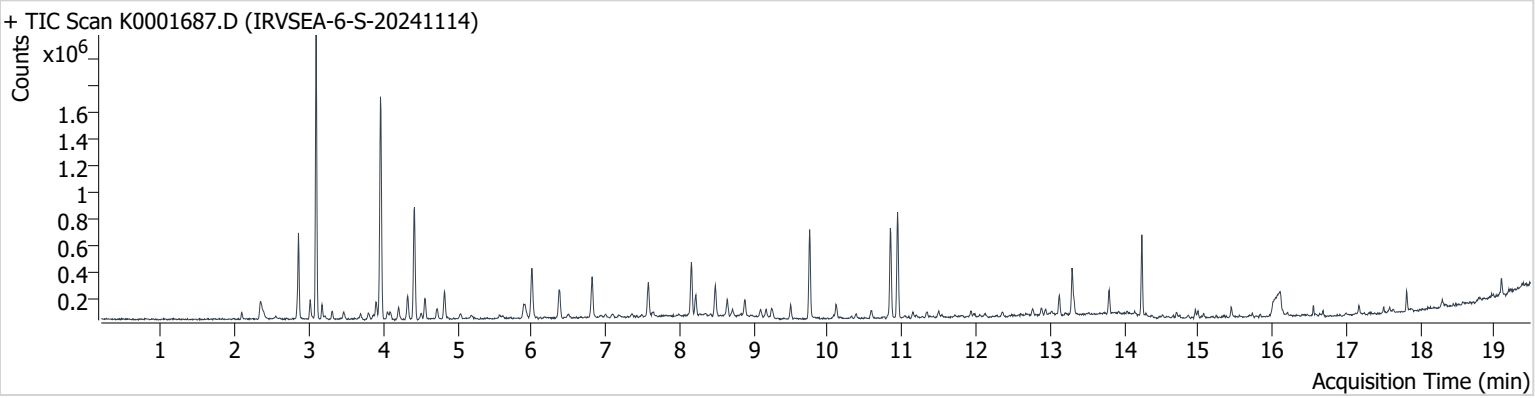
106.1
39.1
51.0
65.1
77.1
96.9
98.0
0.5
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
-1.5
39.0
51.0
65.0
77.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

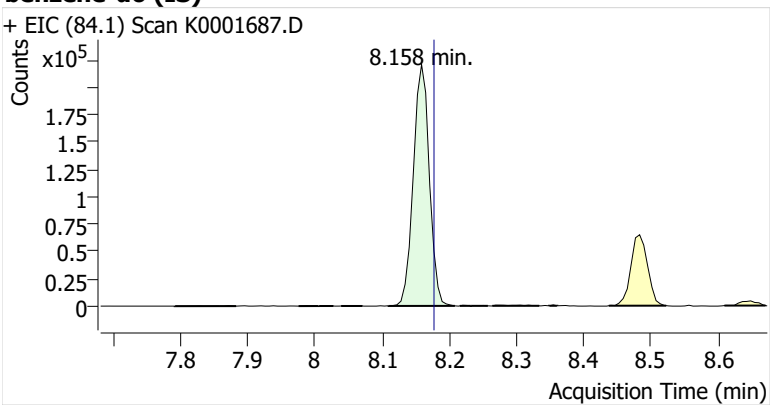
Name	IRVSEA-6-S-20241114
Comment	B16974
Data File	K0001687.D
Acq. Date-Time	12/3/2024 4:55:10 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

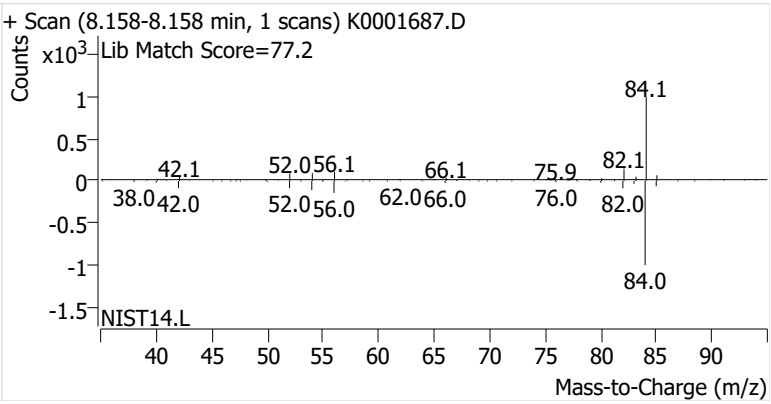
Sample Chromatogram



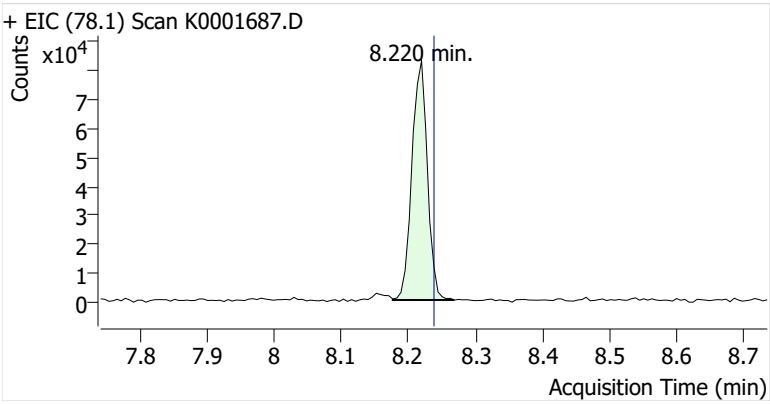
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	365,023	
Benzene	benzene-d6 (IS)	8.220	8.238	132,112	
Toluene-d8 (IS)		10.844	10.869	446,720	
Toluene	Toluene-d8 (IS)	10.942	10.967	567,664	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	94,441	
m-/p-Xylene	Toluene-d8 (IS)	13.297	13.340	226,070	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	90,508	

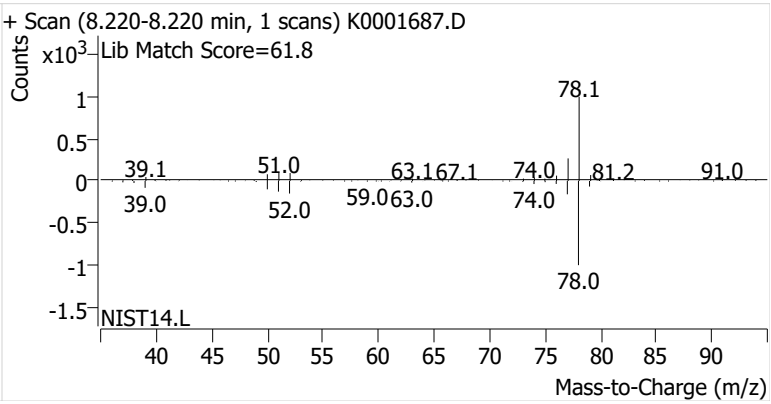
benzene-d6 (IS)



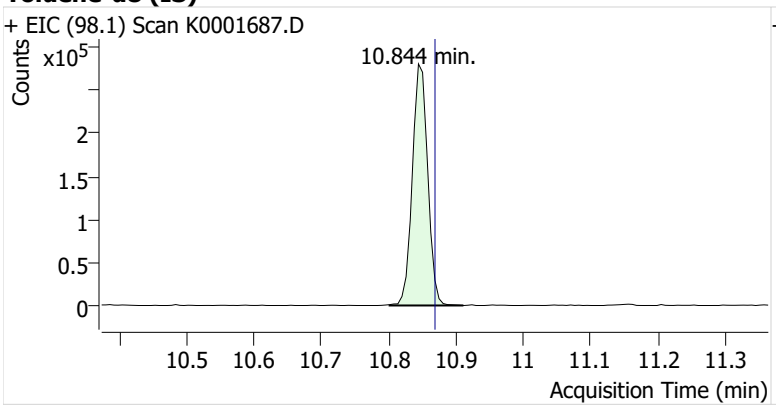


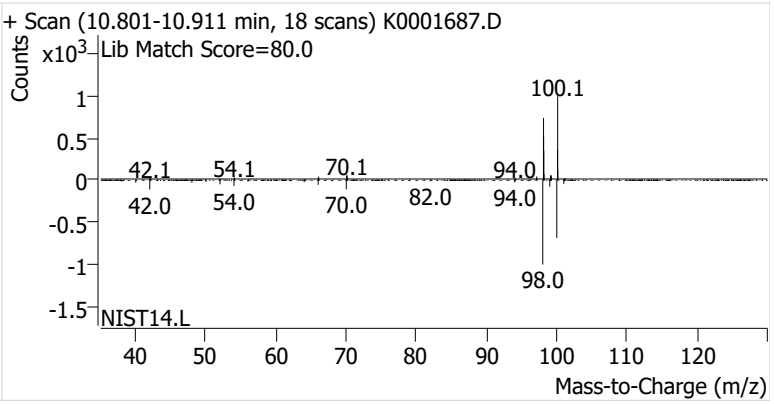
Benzene



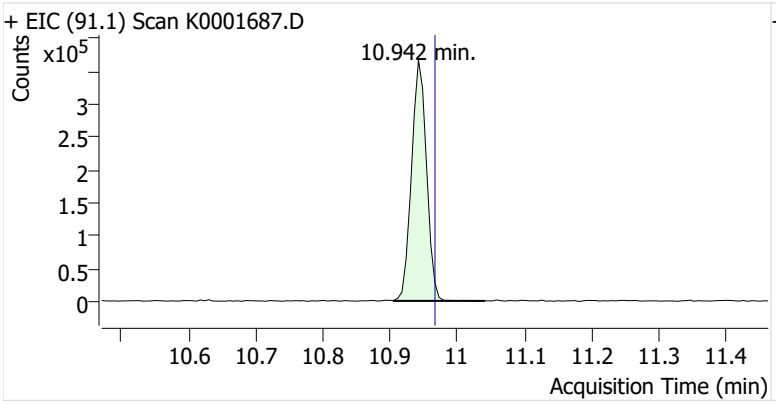


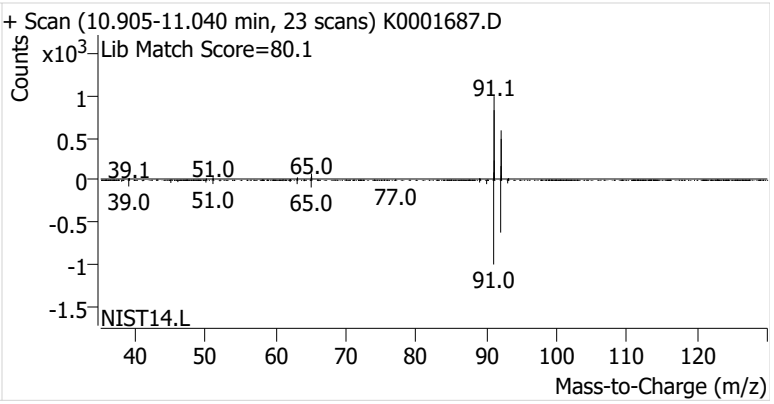
Toluene-d8 (IS)



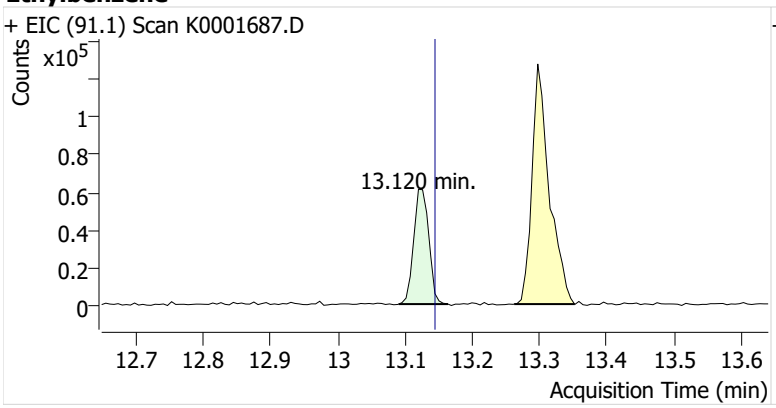


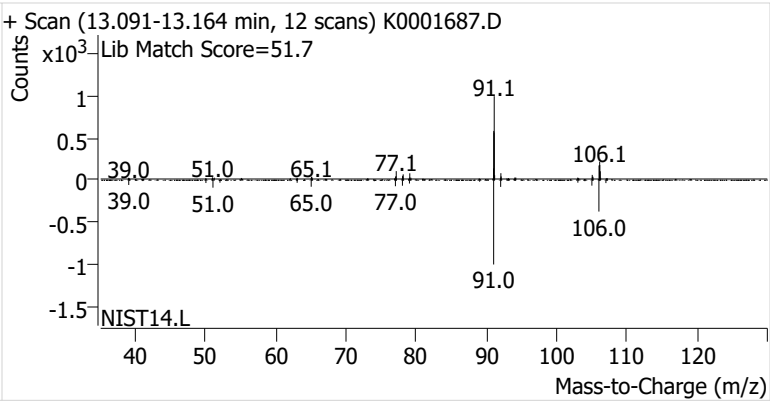
Toluene



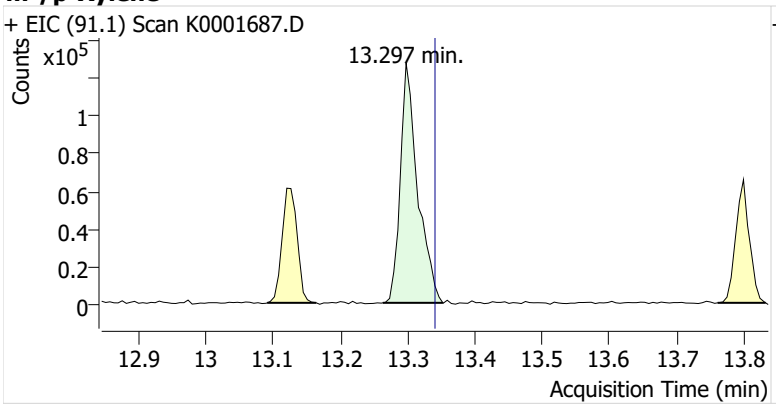


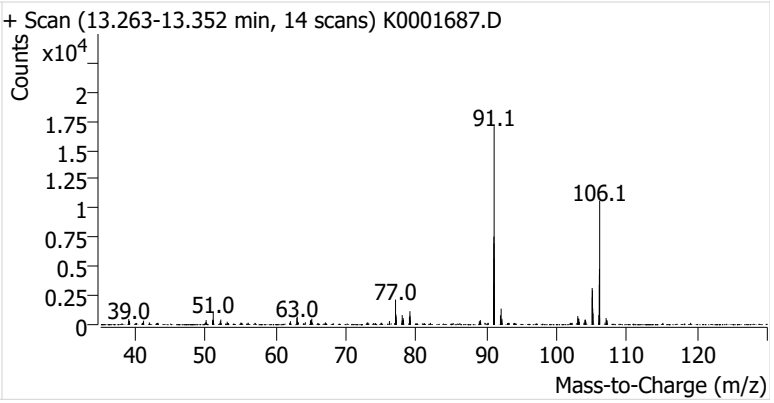
Ethylbenzene



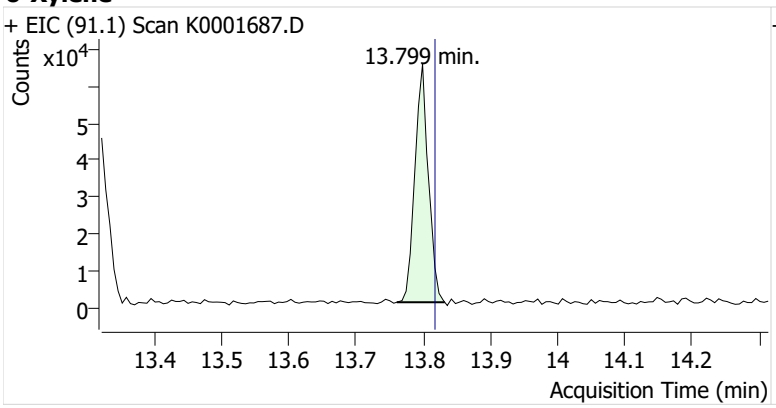


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan K0001687.D
Counts
x10^4
13.799 min.
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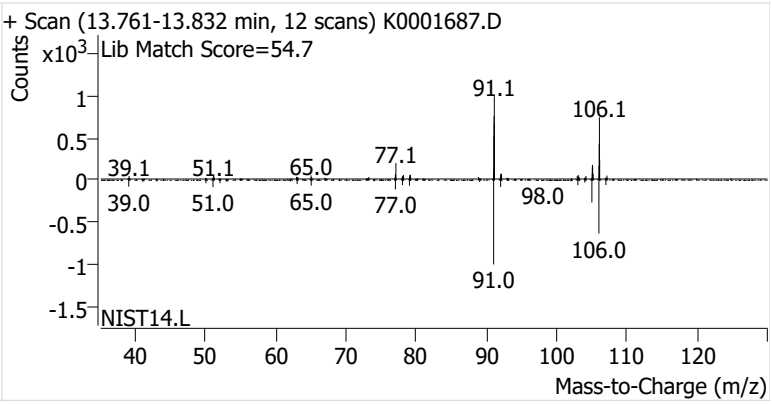
4
3
2
1
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)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x10^3
Lib Match Score=54.7
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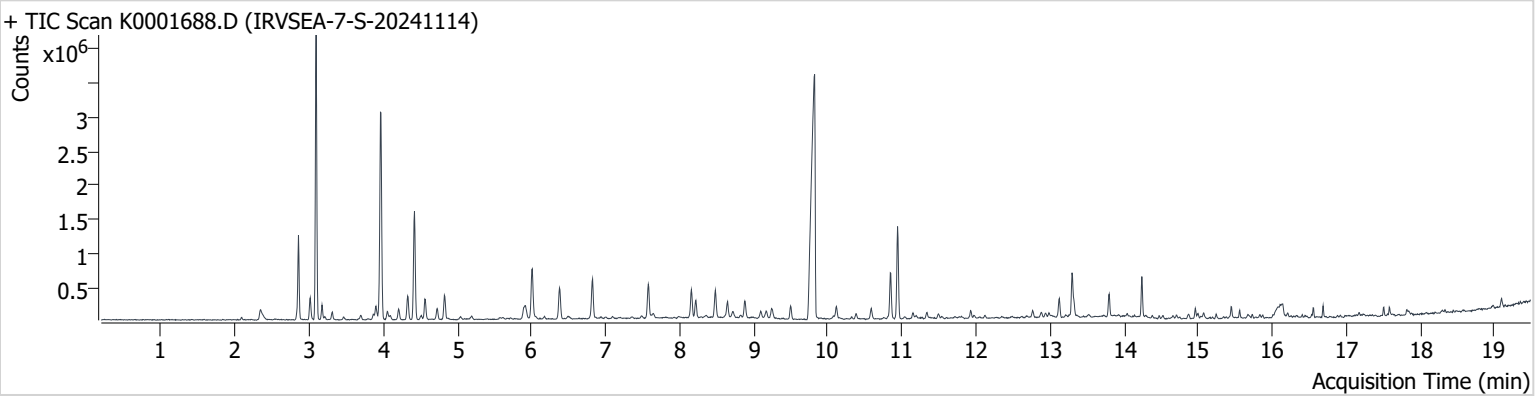
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.1
65.0
77.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

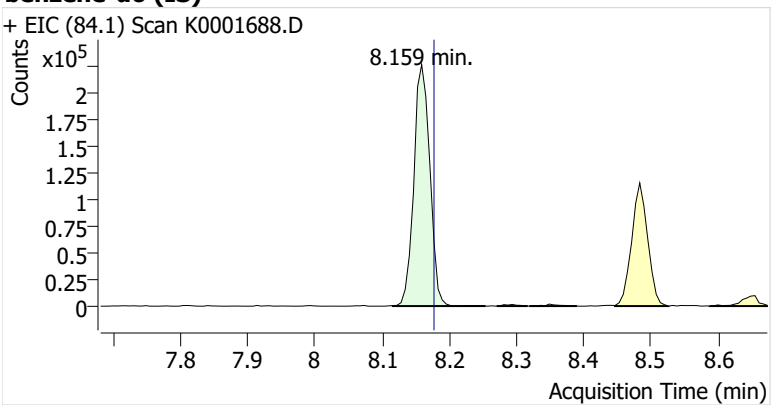
Name	IRVSEA-7-S-20241114
Comment	C20546
Data File	K0001688.D
Acq. Date-Time	12/3/2024 5:22:44 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

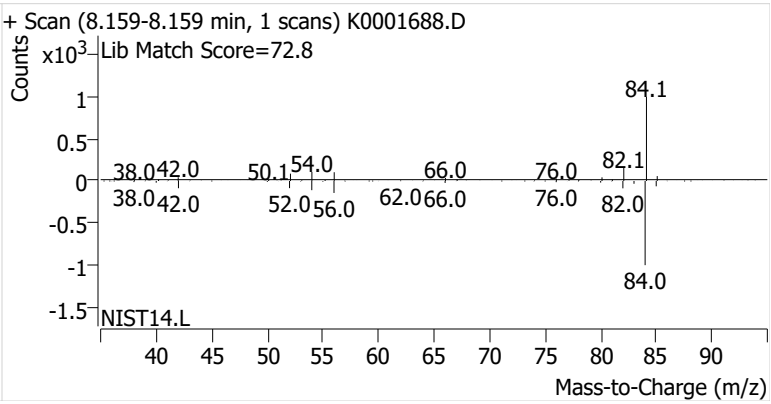
Sample Chromatogram



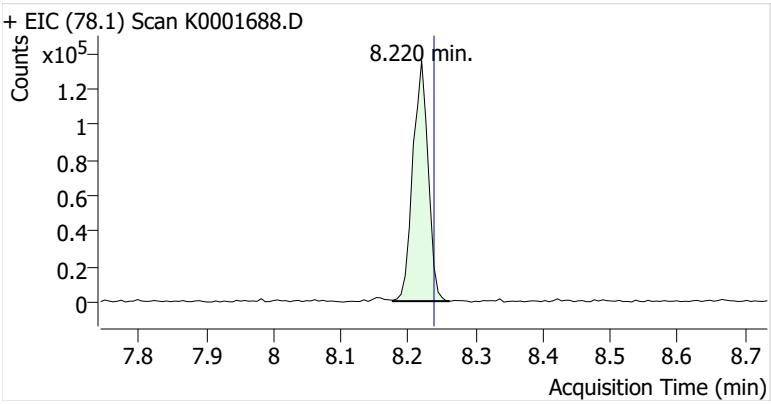
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	373,459	
Benzene	benzene-d6 (IS)	8.220	8.238	213,734	
Toluene-d8 (IS)		10.844	10.869	445,676	
Toluene	Toluene-d8 (IS)	10.942	10.967	950,780	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	183,380	
m-/p-Xylene	Toluene-d8 (IS)	13.298	13.340	450,189	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	176,242	

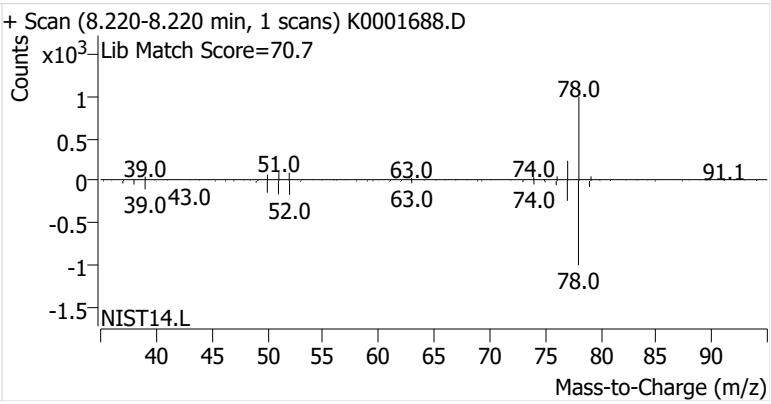
benzene-d6 (IS)



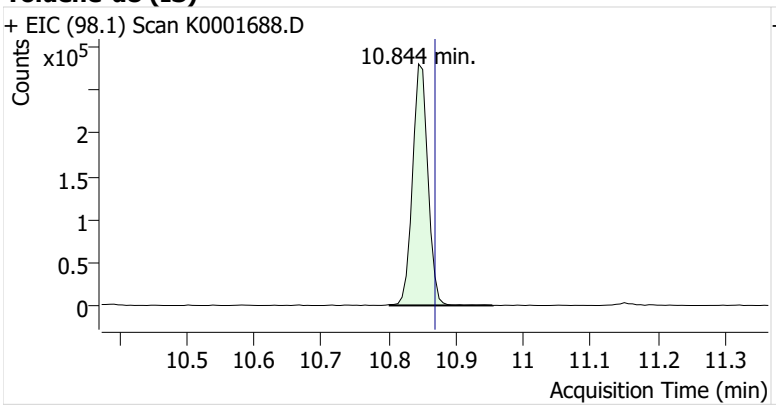


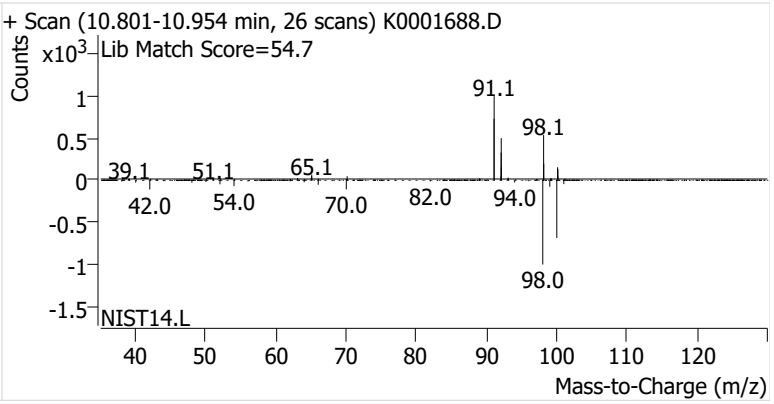
Benzene



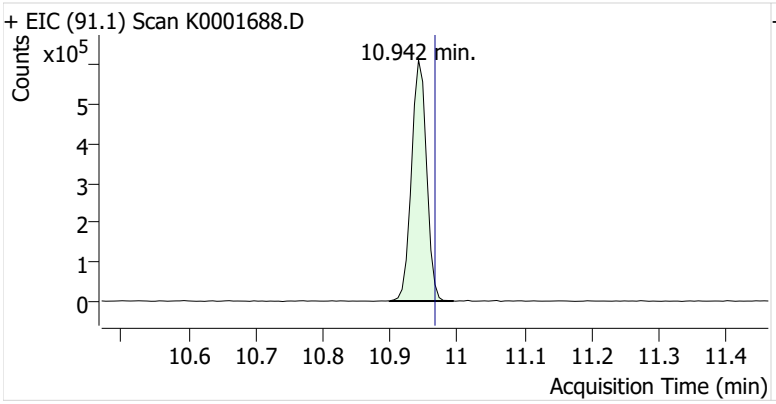


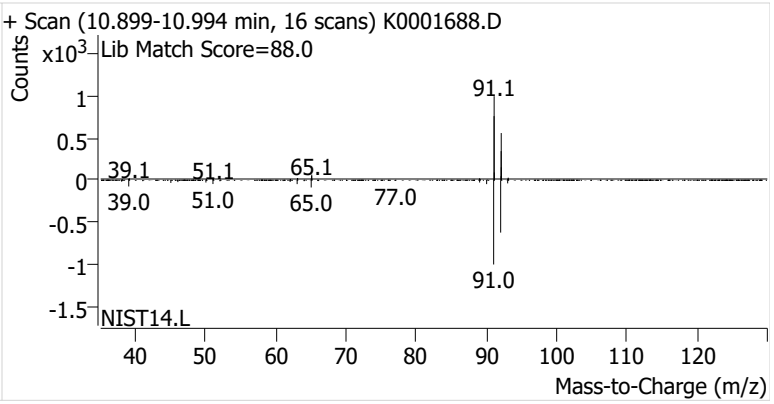
Toluene-d8 (IS)



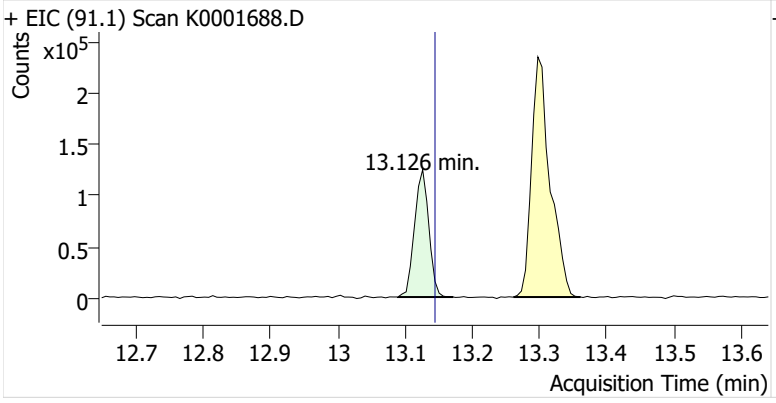


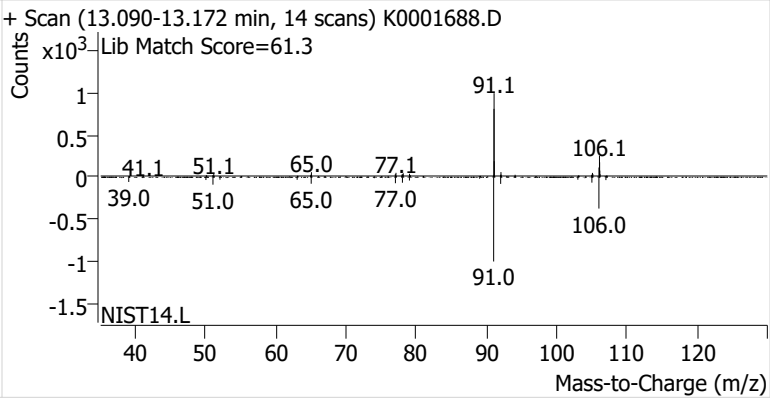
Toluene



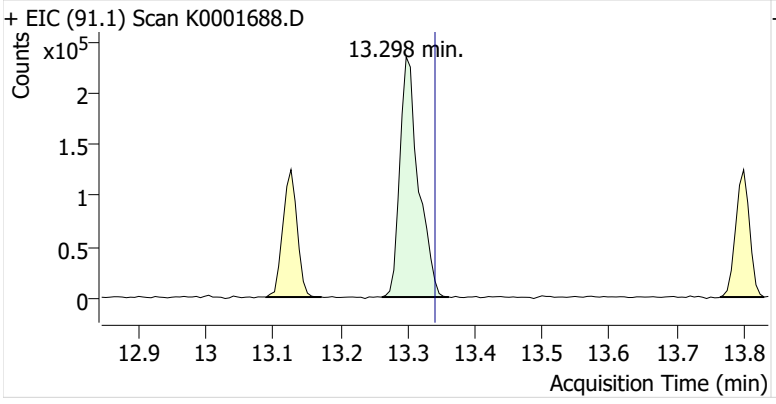


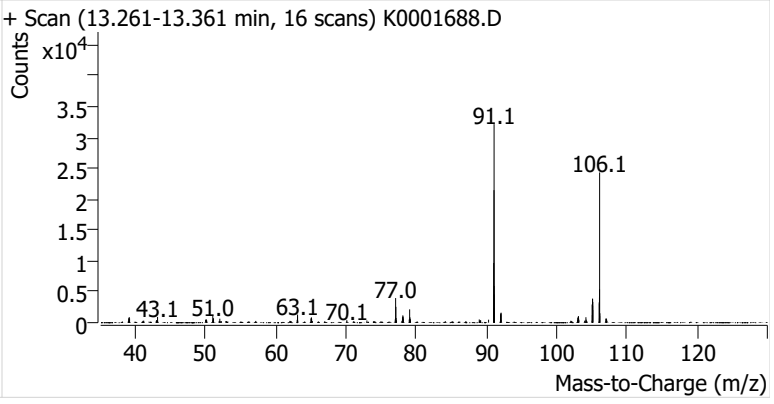
Ethylbenzene



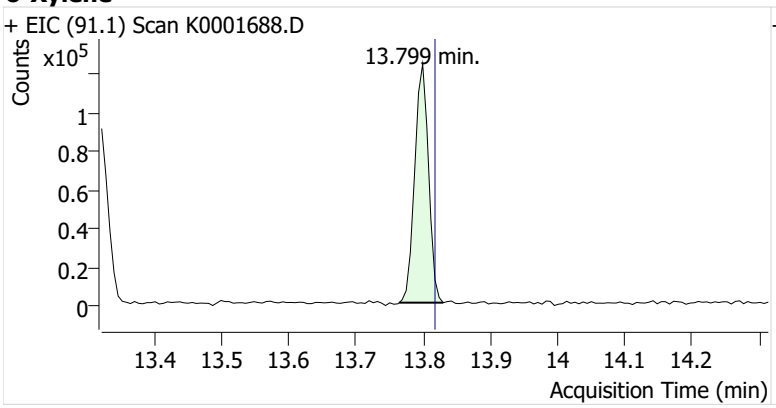


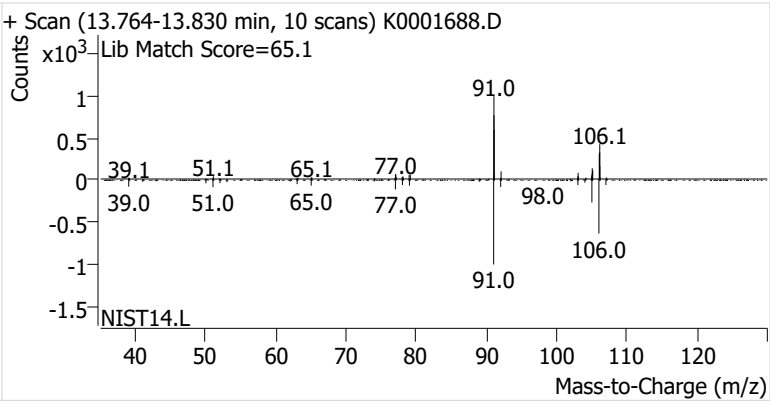
m-/p-Xylene





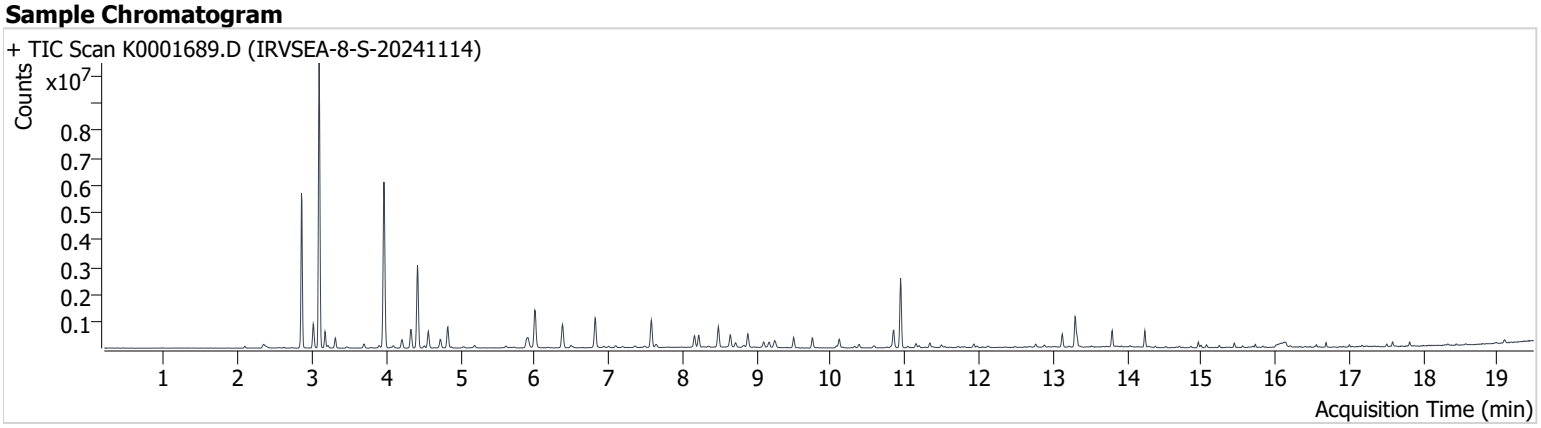
o-Xylene


+ EIC (91.1) Scan K0001688.D
Counts
x10^5
13.799 min.
1
0.8
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.764-13.830 min, 10 scans) K0001688.D
Lib Match Score=65.1
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.0
106.1
39.1
51.1
65.1
77.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

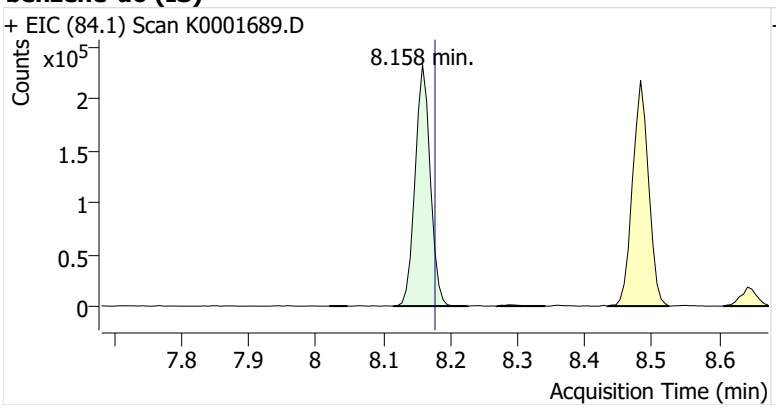
Name	IRVSEA-8-S-20241114
Comment	C16063
Data File	K0001689.D
Acq. Date-Time	12/3/2024 5:50:23 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

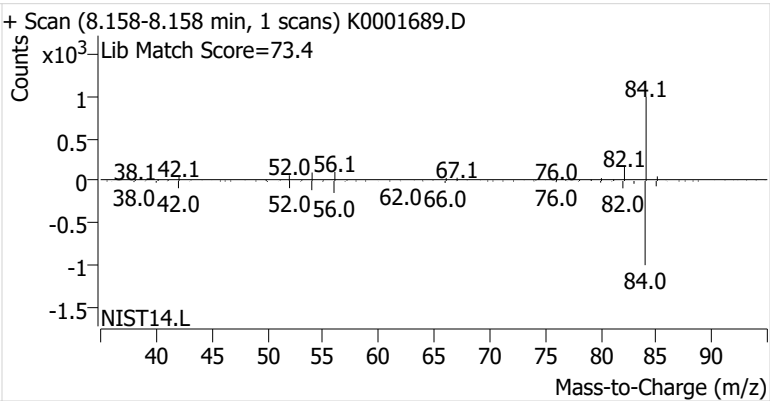
Sample Chromatogram



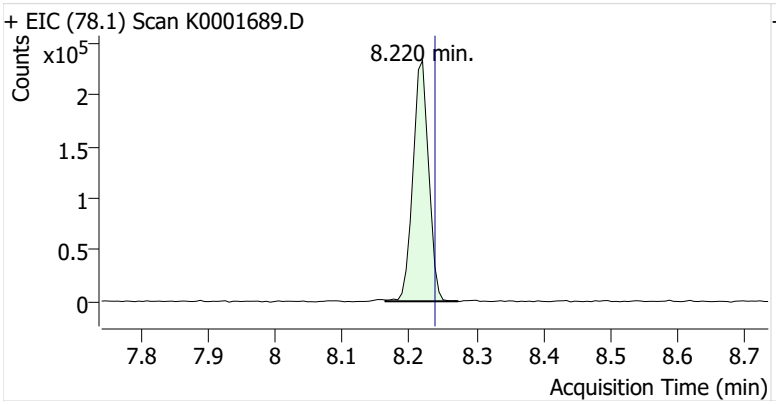
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	365,411	
Benzene	benzene-d6 (IS)	8.220	8.238	376,554	
Toluene-d8 (IS)		10.850	10.869	430,170	
Toluene	Toluene-d8 (IS)	10.942	10.967	1,782,654	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	318,301	
m-/p-Xylene	Toluene-d8 (IS)	13.297	13.340	796,945	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	311,023	

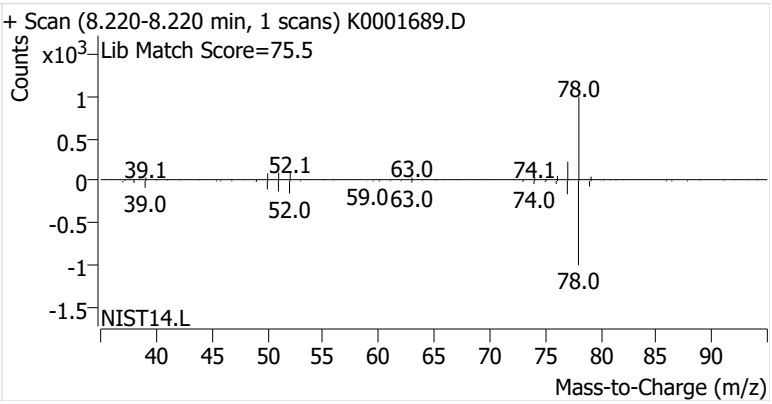
benzene-d6 (IS)



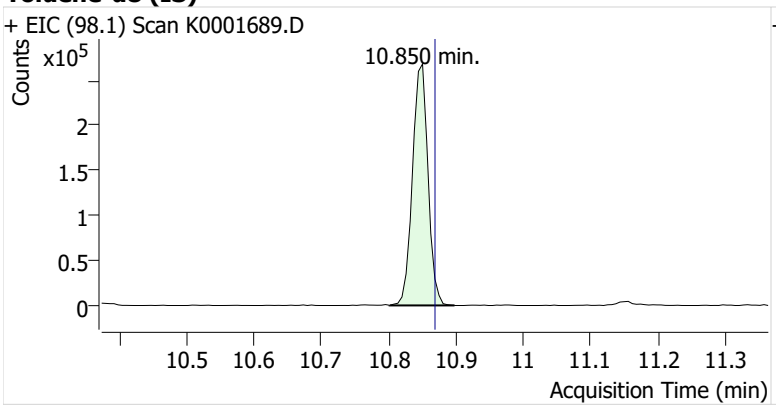


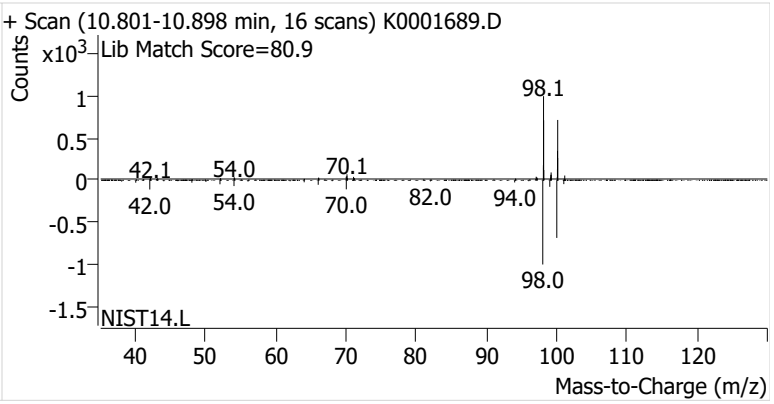
Benzene



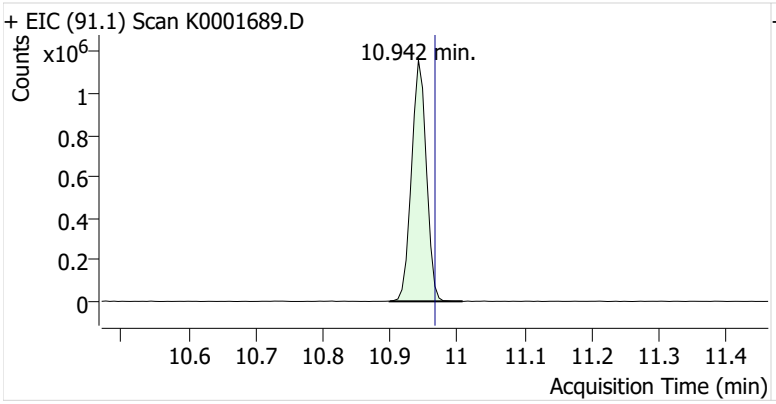


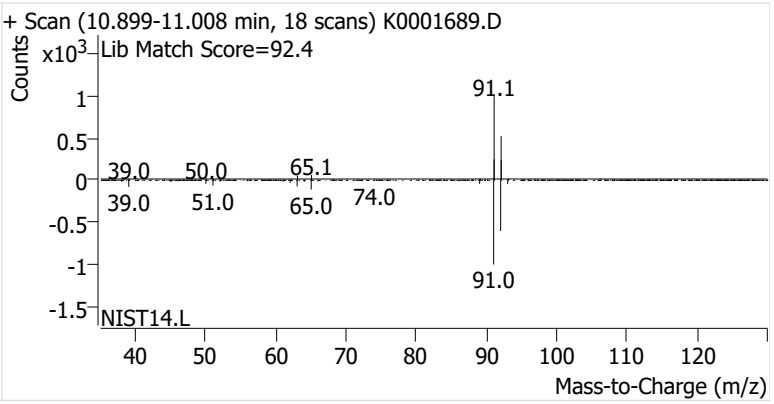
Toluene-d8 (IS)



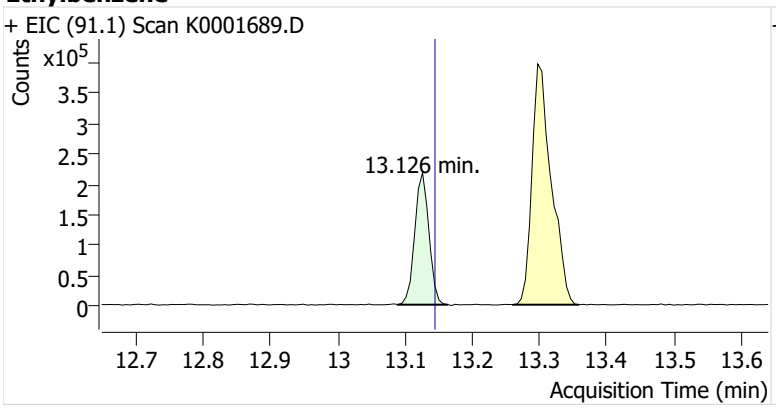


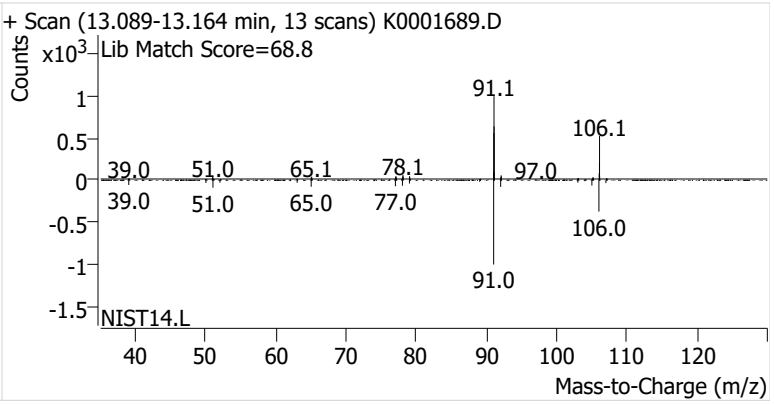
Toluene



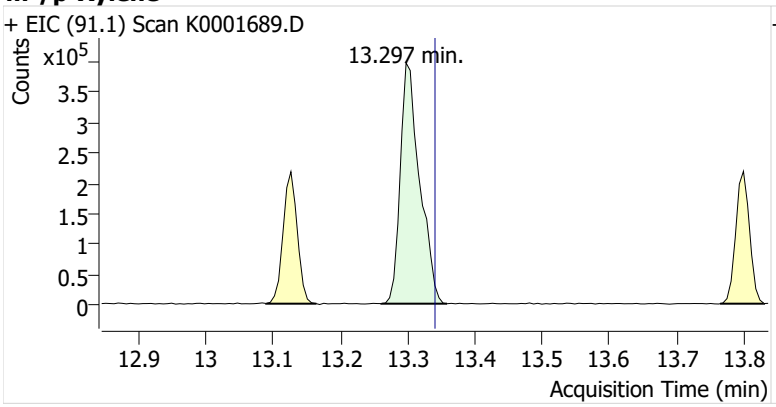


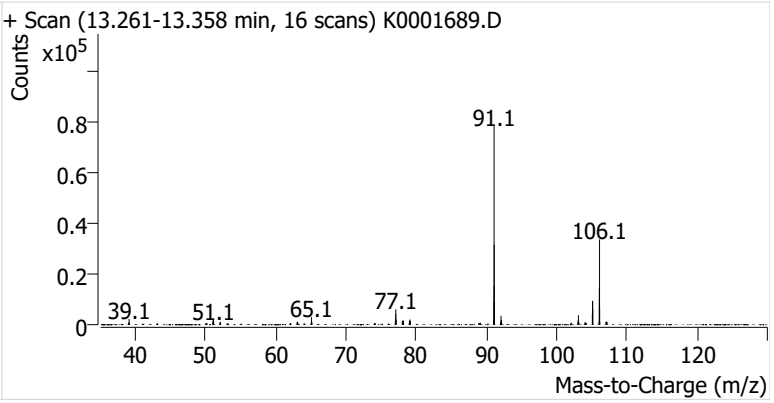
Ethylbenzene



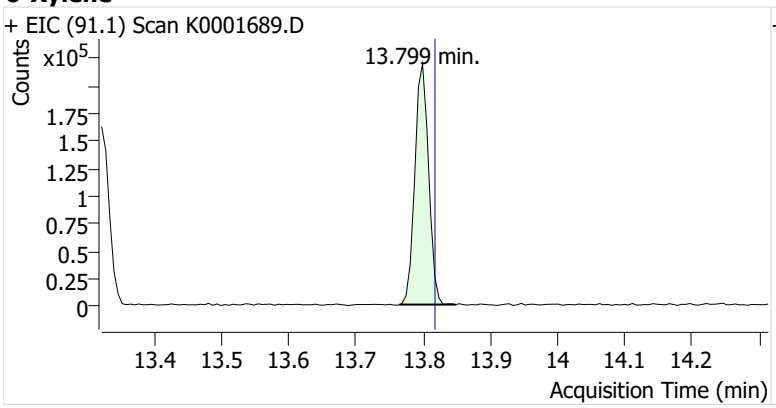


m-/p-Xylene





o-Xylene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Counts
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13.799 min.
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1.5
1.25
1
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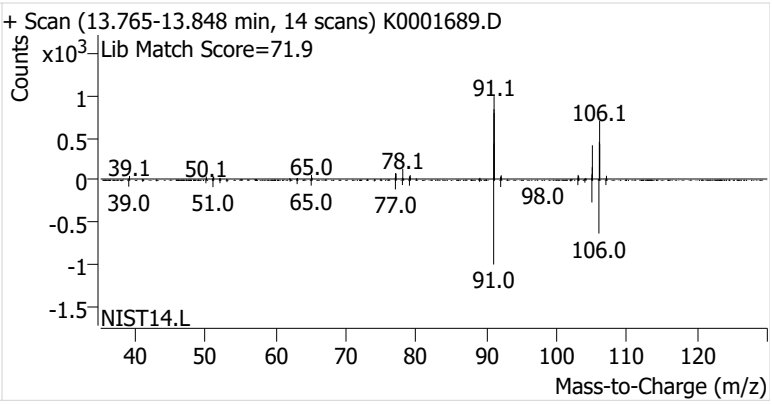
0.5
0.25
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)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Counts
x10^3
Lib Match Score=71.9
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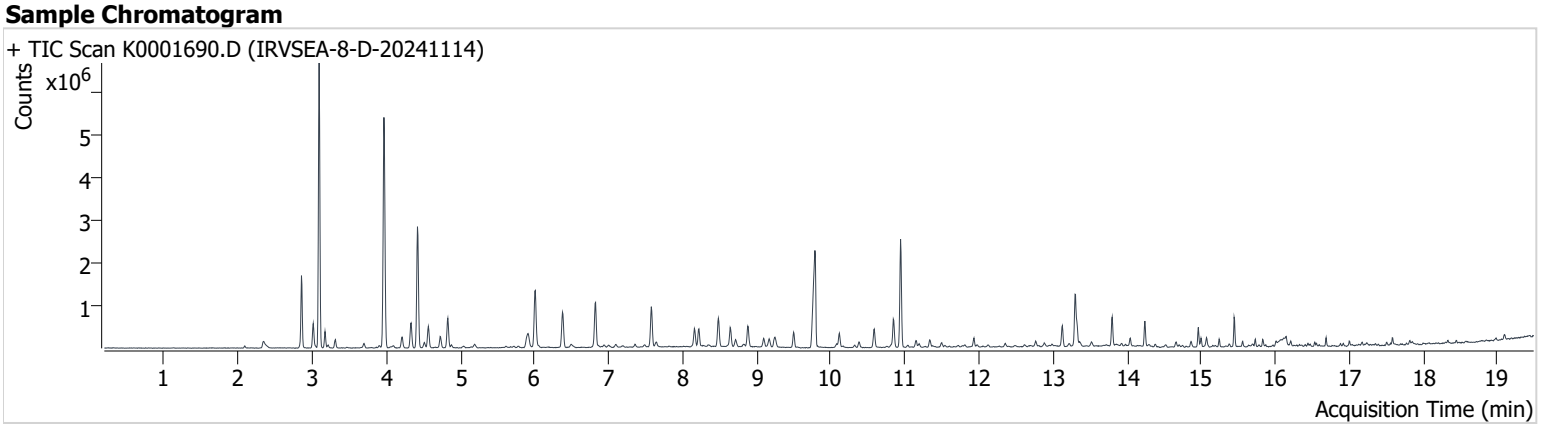
39.1
50.1
65.0
78.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

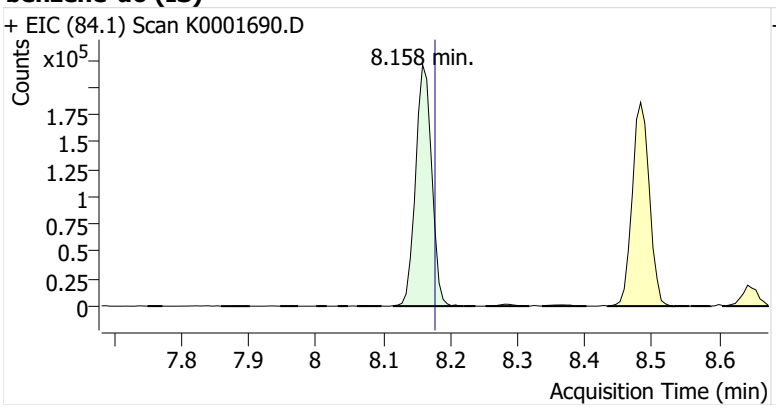
Name	IRVSEA-8-D-20241114
Comment	C38507
Data File	K0001690.D
Acq. Date-Time	12/3/2024 6:17:58 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

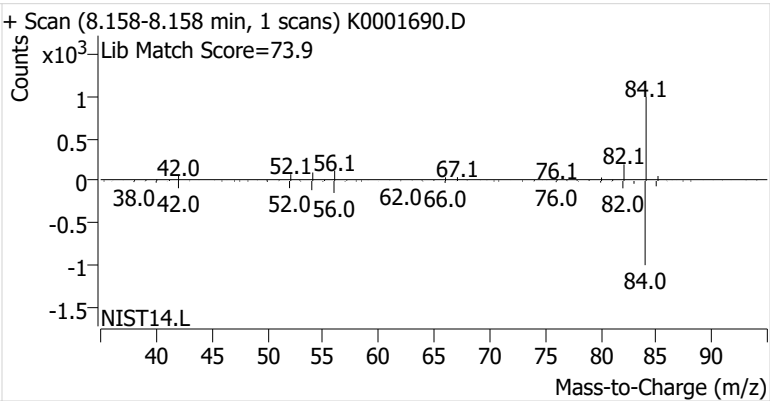
Sample Chromatogram



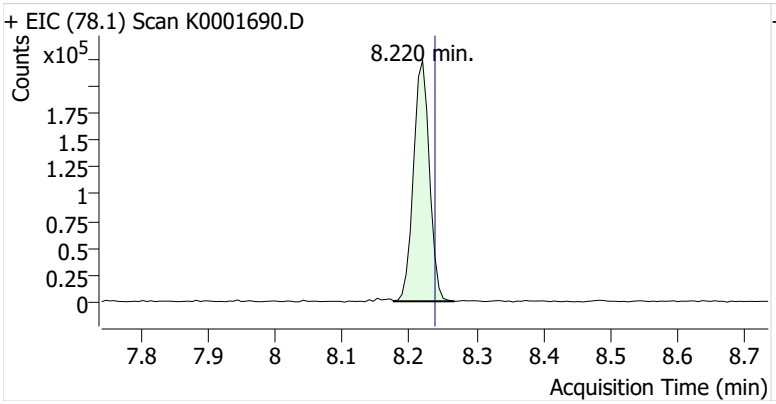
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	368,181	
Benzene	benzene-d6 (IS)	8.220	8.238	366,256	
Toluene-d8 (IS)		10.844	10.869	441,147	
Toluene	Toluene-d8 (IS)	10.942	10.967	1,755,604	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	326,202	
m-/p-Xylene	Toluene-d8 (IS)	13.304	13.340	909,494	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	348,963	

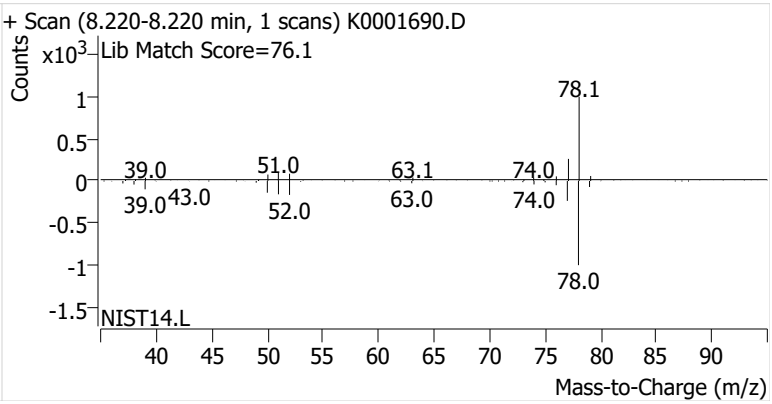
benzene-d6 (IS)



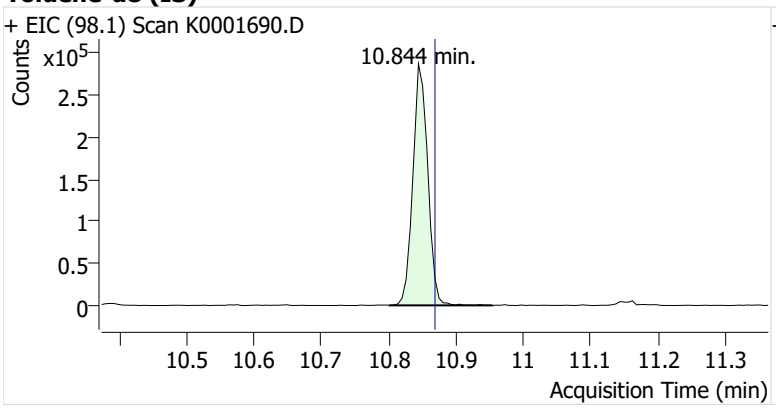


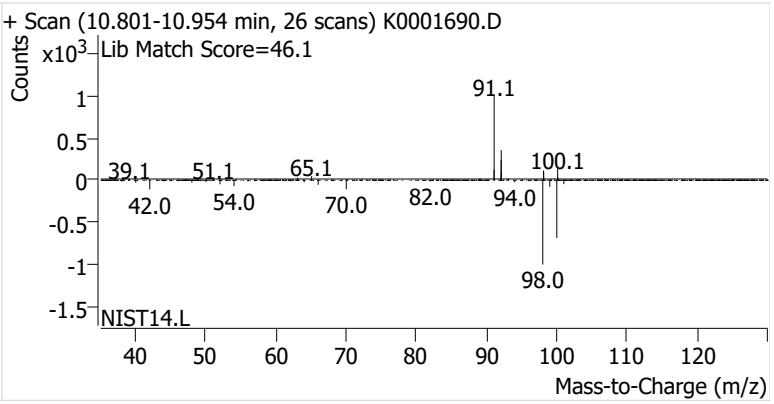
Benzene



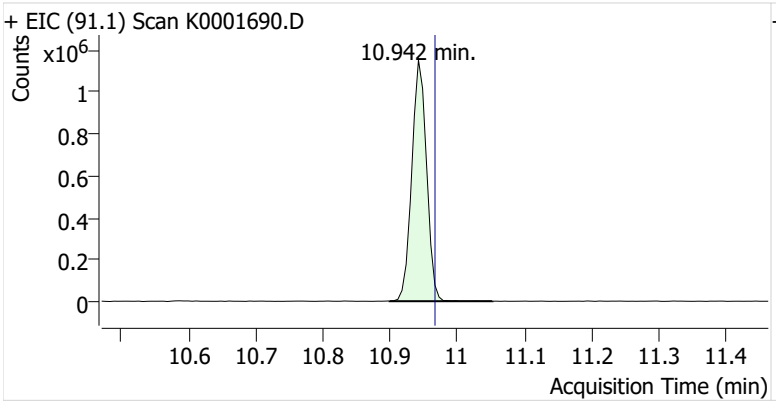


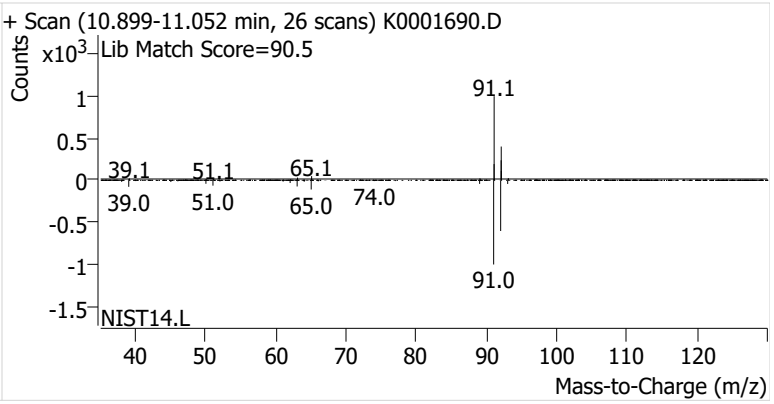
Toluene-d8 (IS)



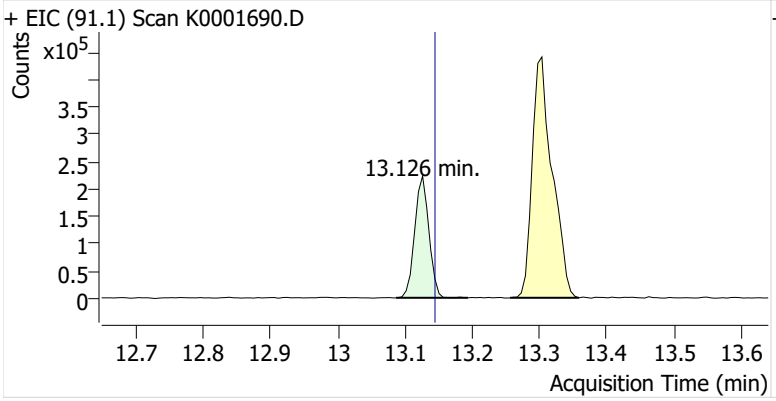


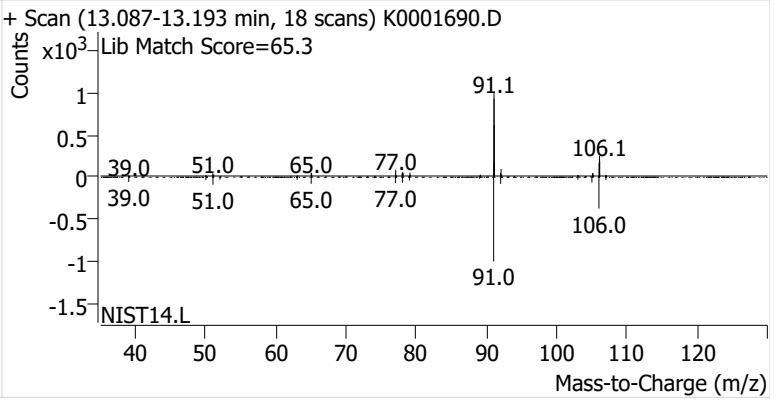
Toluene



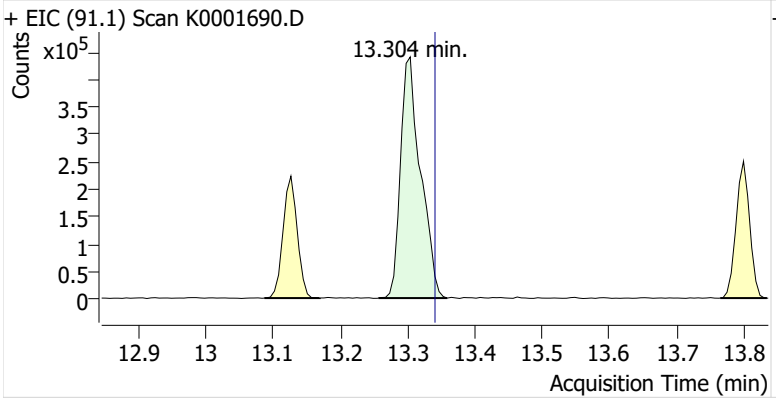


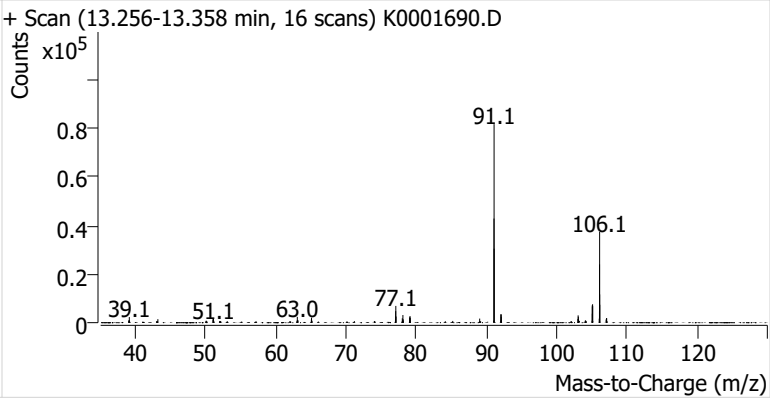
Ethylbenzene



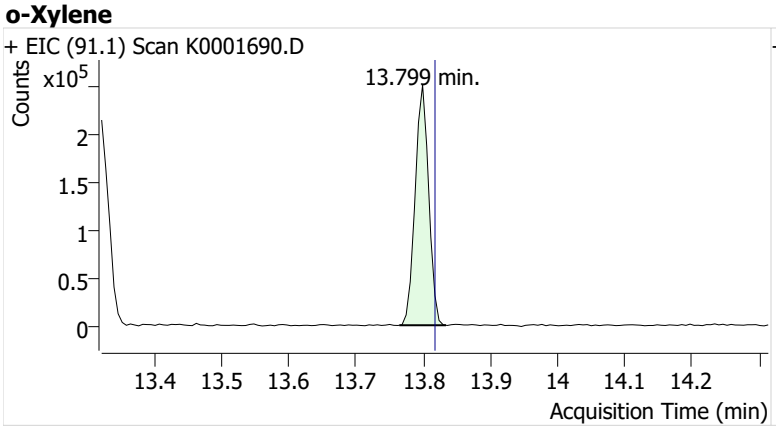


m-/p-Xylene





o-Xylene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x10^5
13.799 min.
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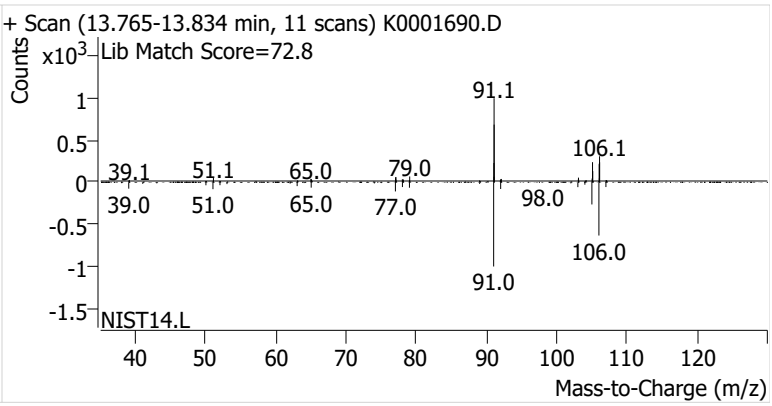
1
0.5
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)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Lib Match Score=72.8
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-1
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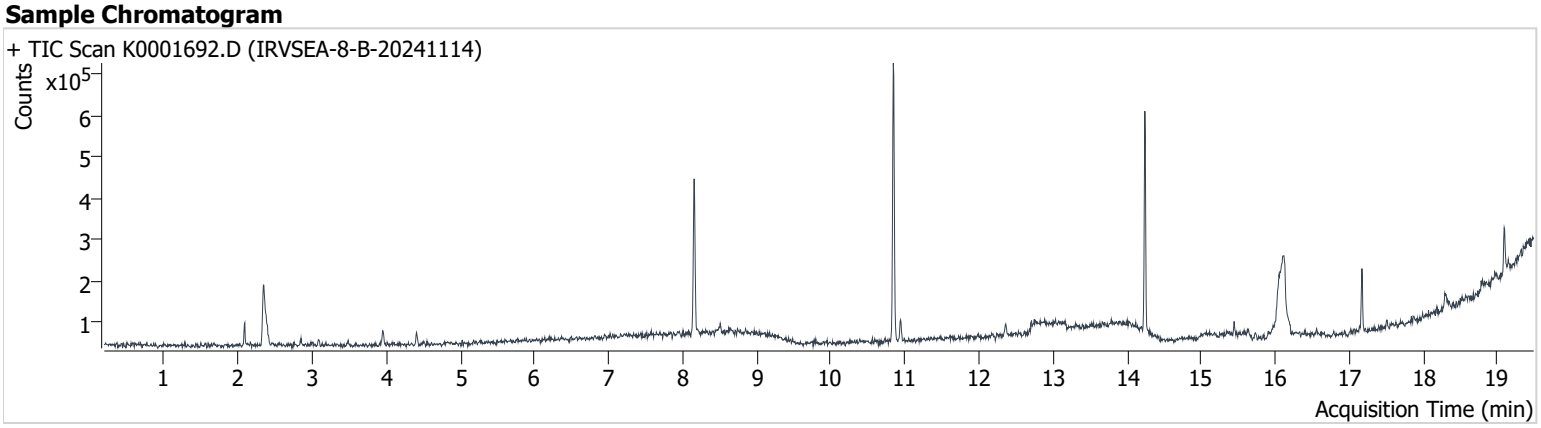
91.1
106.1
39.1
51.1
65.0
79.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

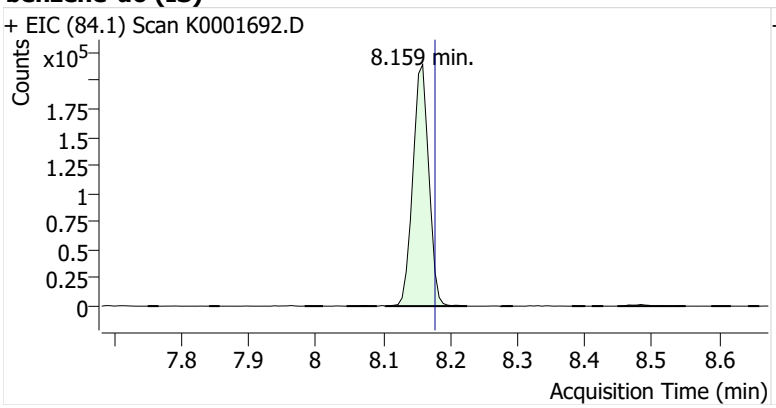
Name	IRVSEA-8-B-20241114
Comment	B20228
Data File	K0001692.D
Acq. Date-Time	12/3/2024 7:13:13 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

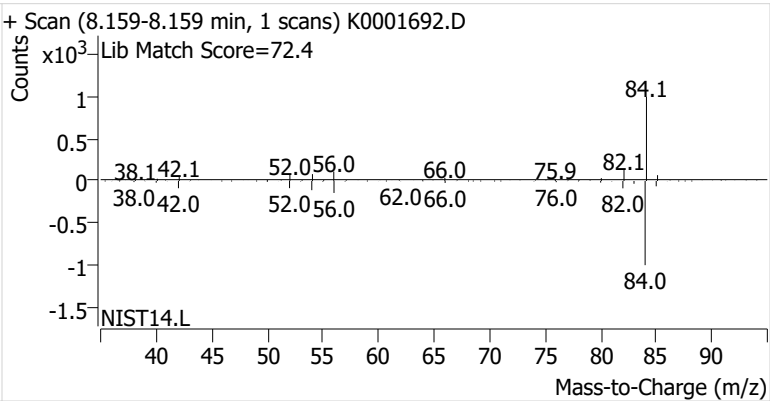
Sample Chromatogram



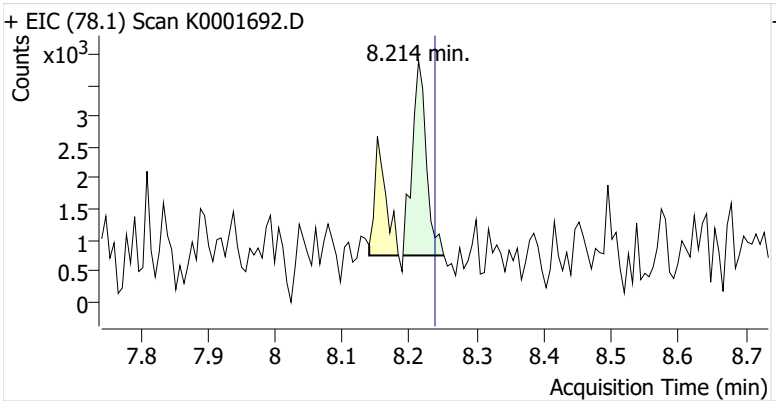
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	353,959	
Benzene	benzene-d6 (IS)	8.214	8.238	4,462	
Toluene-d8 (IS)		10.844	10.869	448,843	
Toluene	Toluene-d8 (IS)	10.942	10.967	33,212	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	1,477	
m-/p-Xylene	Toluene-d8 (IS)	13.334	13.340	1,023	
o-Xylene	Toluene-d8 (IS)	13.805	13.818	1,807	

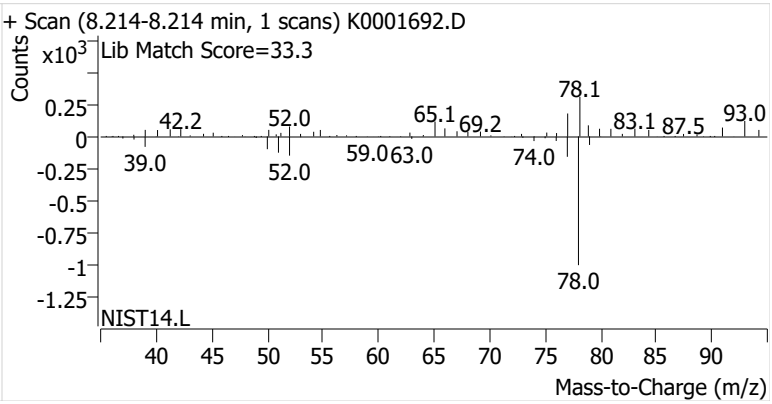
benzene-d6 (IS)



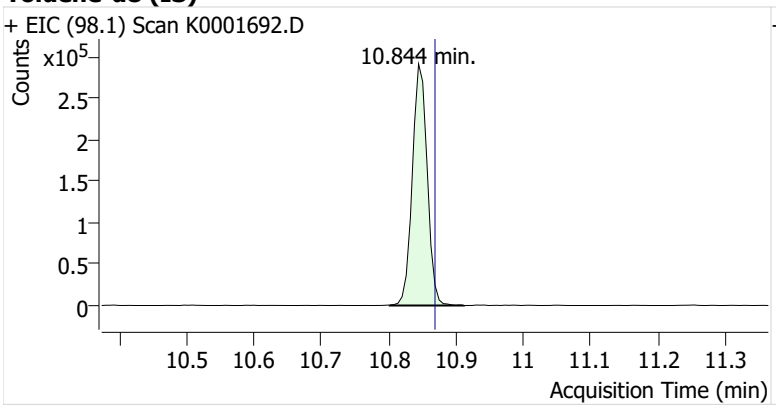


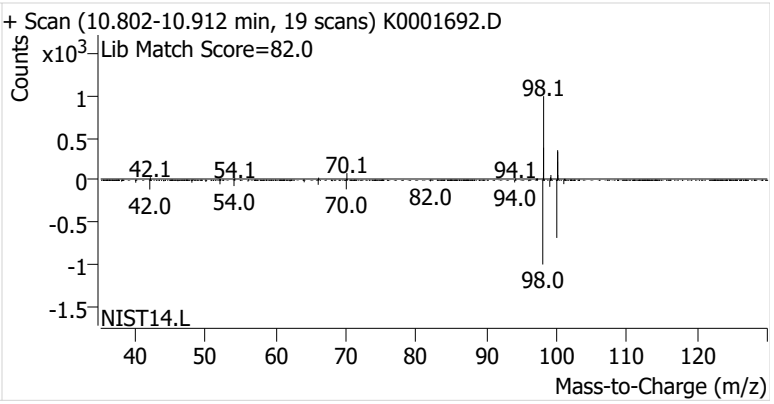
Benzene



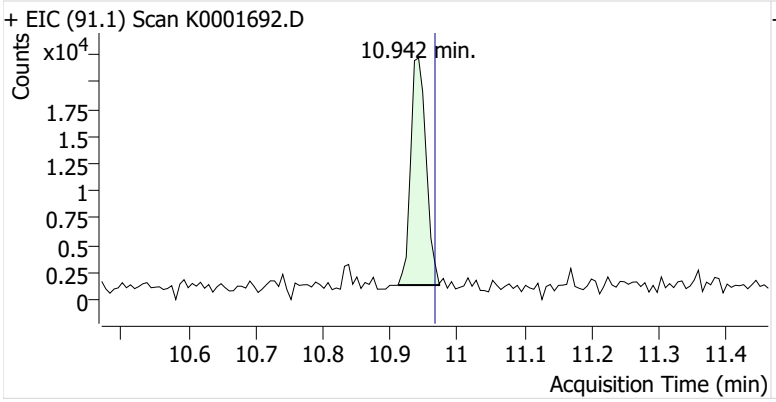


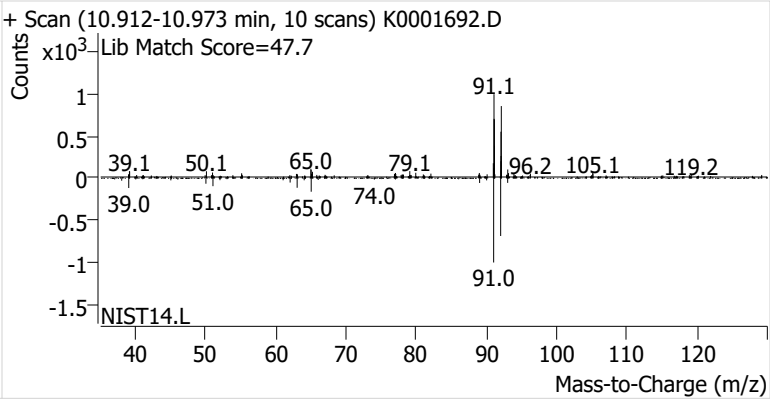
Toluene-d8 (IS)



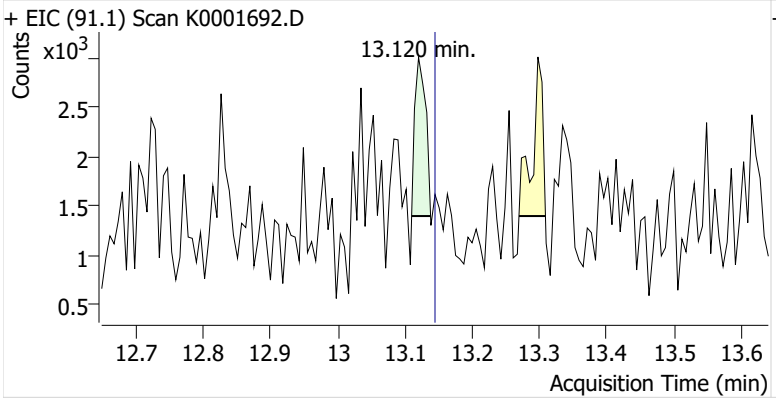


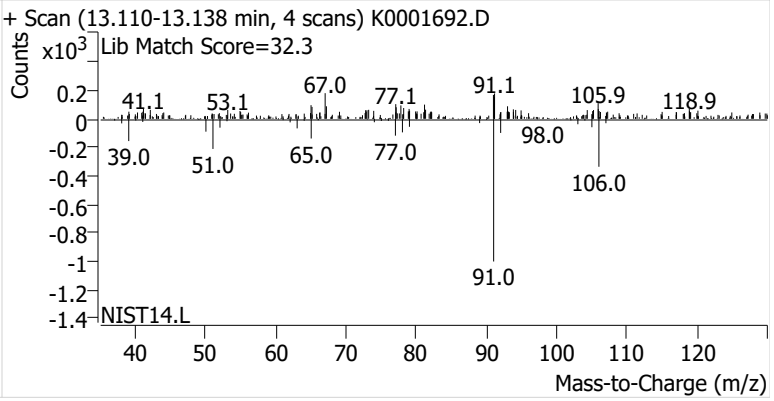
Toluene



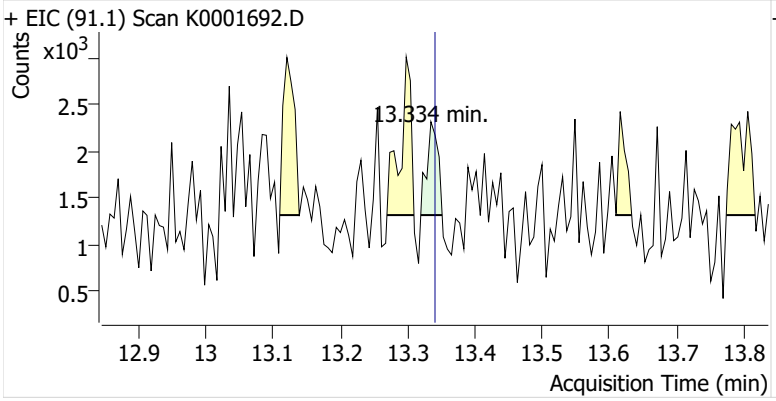


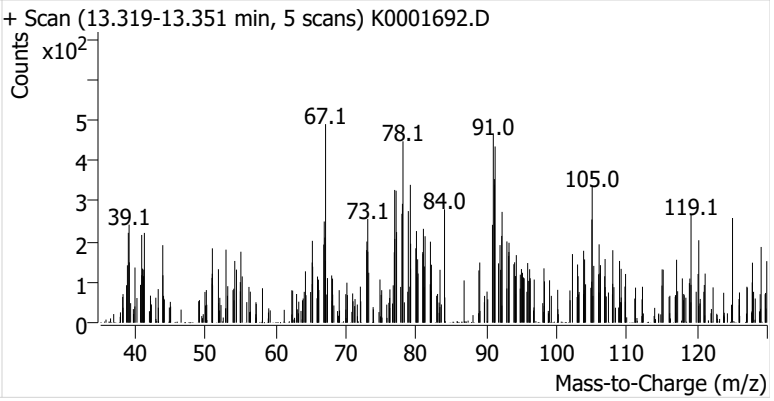
Ethylbenzene



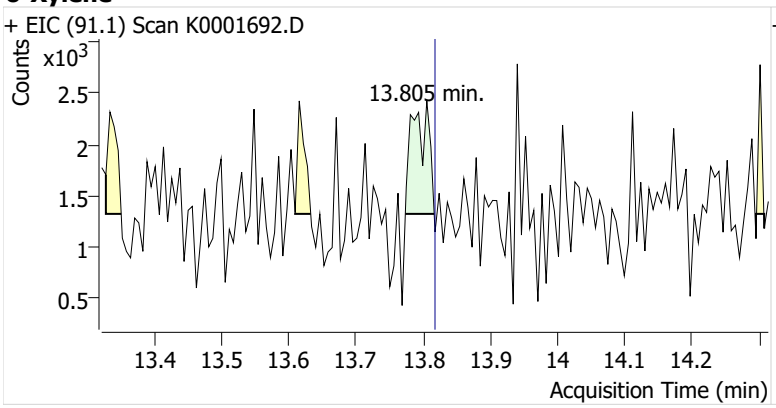


m-/p-Xylene





o-Xylene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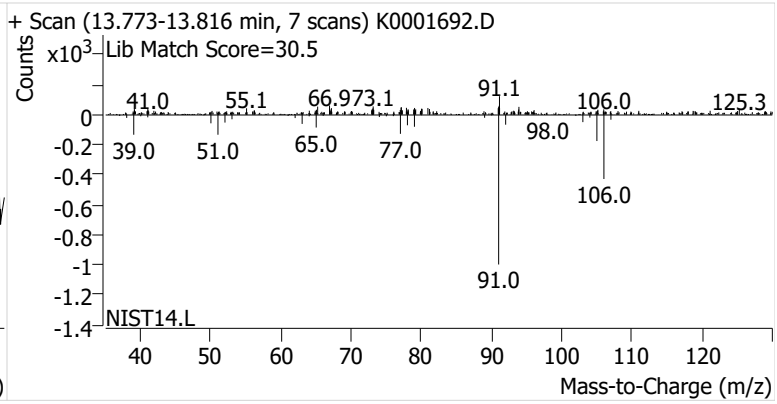
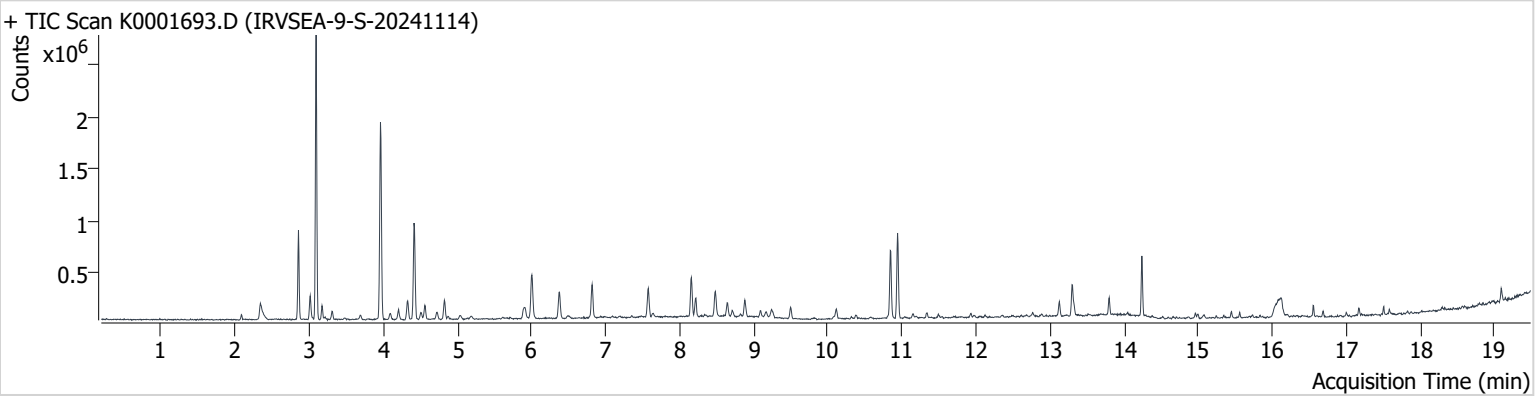
Counts
x10^3
2.5
2
1.5
1
0.5
13.805 min.
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.773-13.816 min, 7 scans) K0001692.D
Lib Match Score=30.5
Counts
x10^3
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
41.0
55.1
66.973.1
91.1
106.0
125.3
39.0
51.0
65.0
77.0
98.0
106.0
91.0
NIST14.L
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

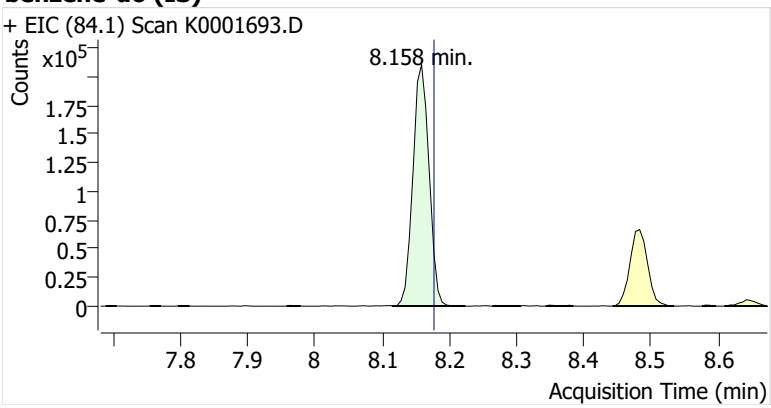
Name	IRVSEA-9-S-20241114
Comment	C24127
Data File	K0001693.D
Acq. Date-Time	12/3/2024 7:40:48 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

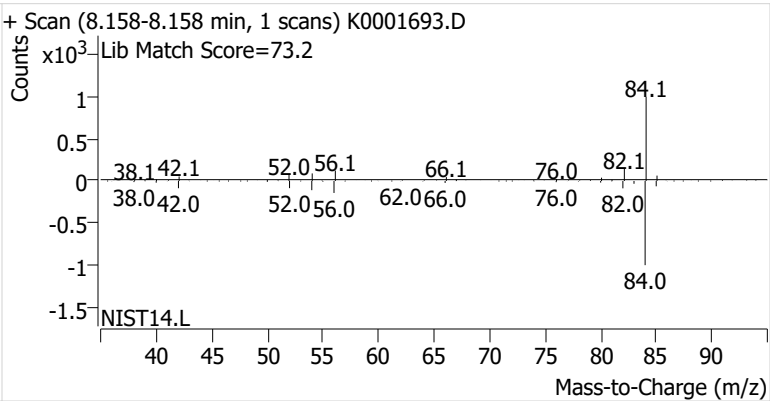
Sample Chromatogram



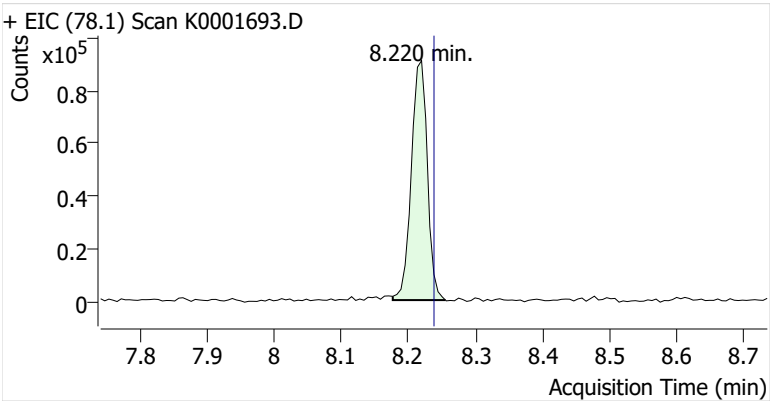
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	350,939	
Benzene	benzene-d6 (IS)	8.220	8.238	149,678	
Toluene-d8 (IS)		10.844	10.869	438,790	
Toluene	Toluene-d8 (IS)	10.942	10.967	567,651	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	91,219	
m-/p-Xylene	Toluene-d8 (IS)	13.297	13.340	210,322	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	86,589	

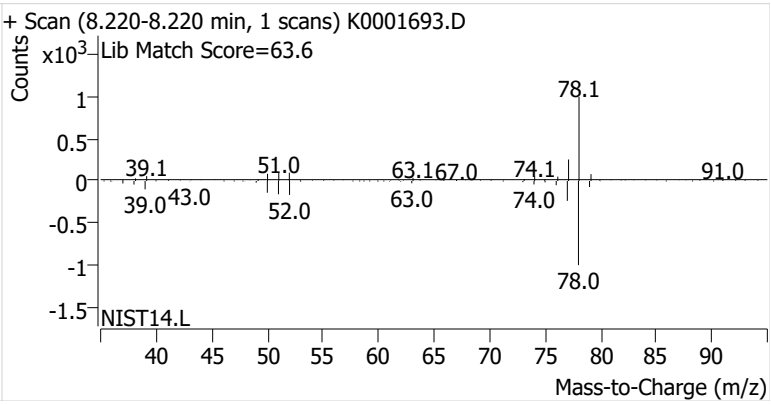
benzene-d6 (IS)



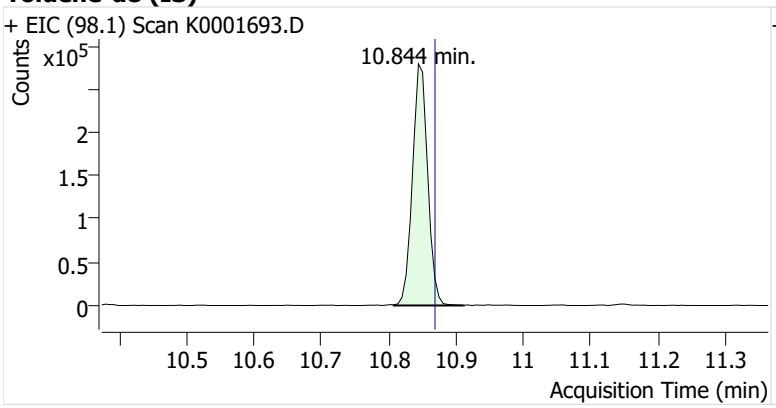


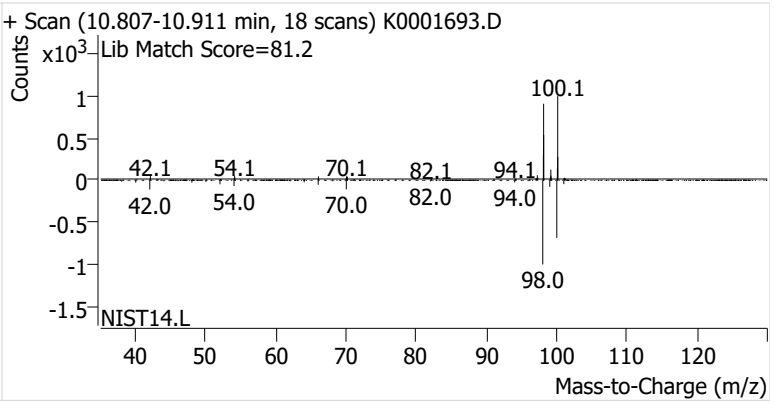
Benzene



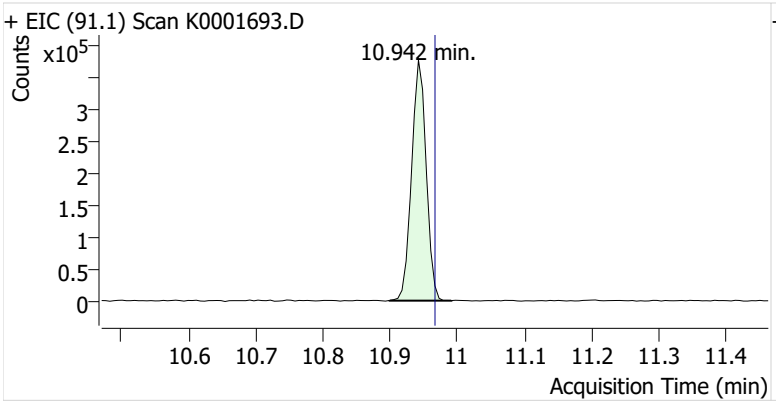


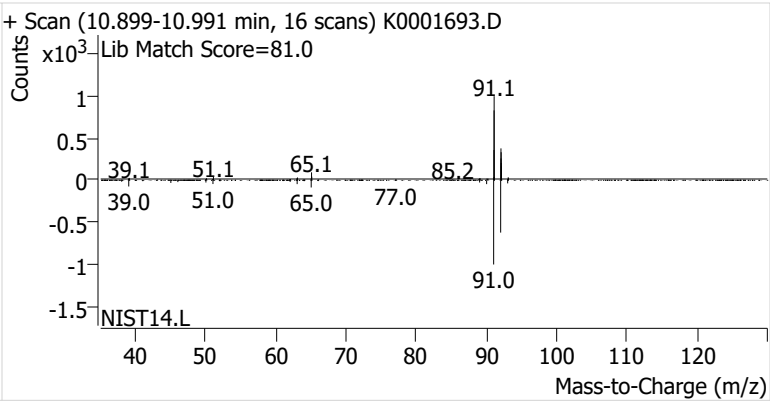
Toluene-d8 (IS)



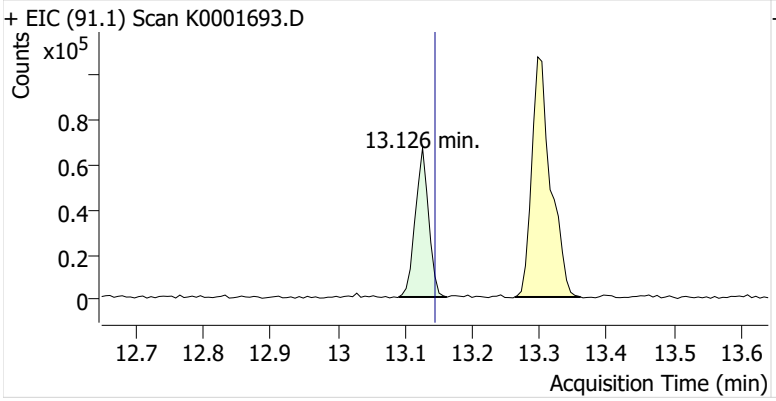


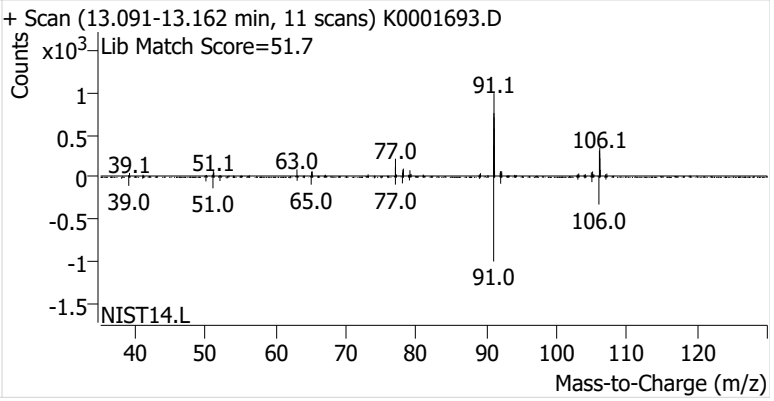
Toluene



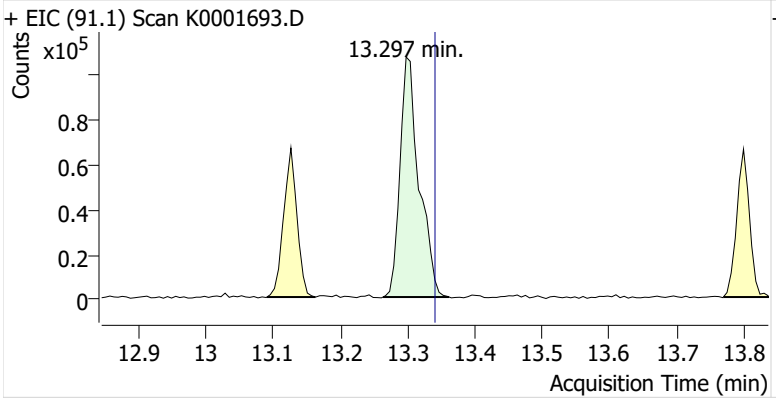


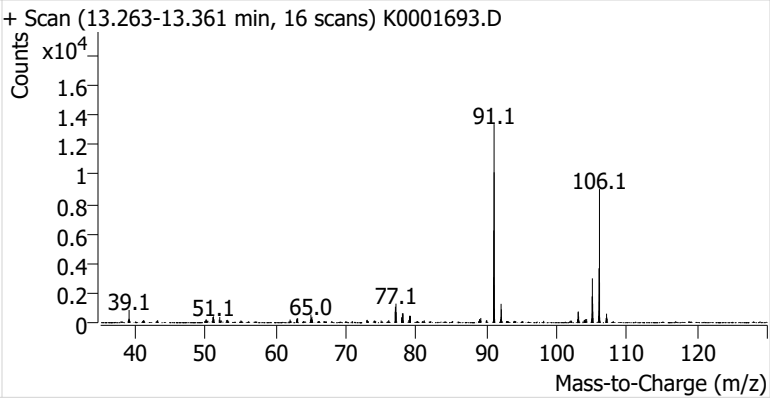
Ethylbenzene



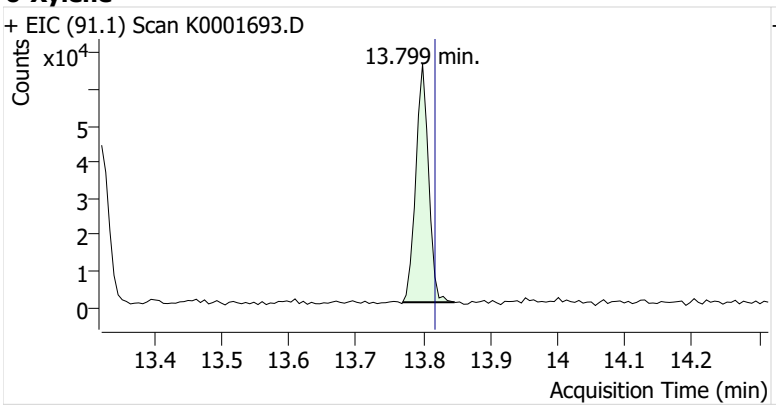


m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan K0001693.D
Counts
x10^4
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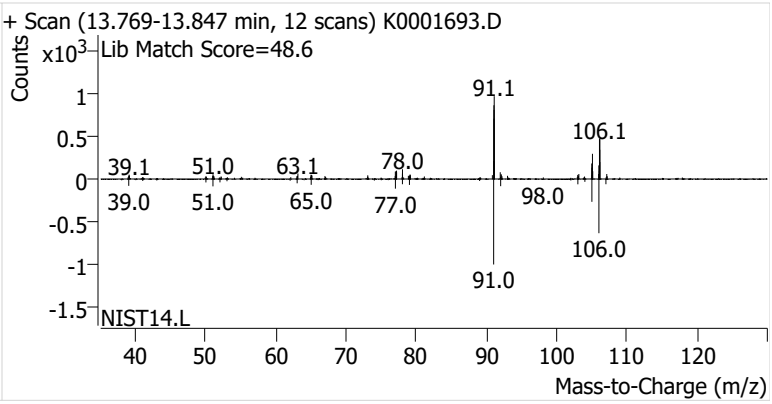
5
4
3
2
1
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)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Lib Match Score=48.6
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0
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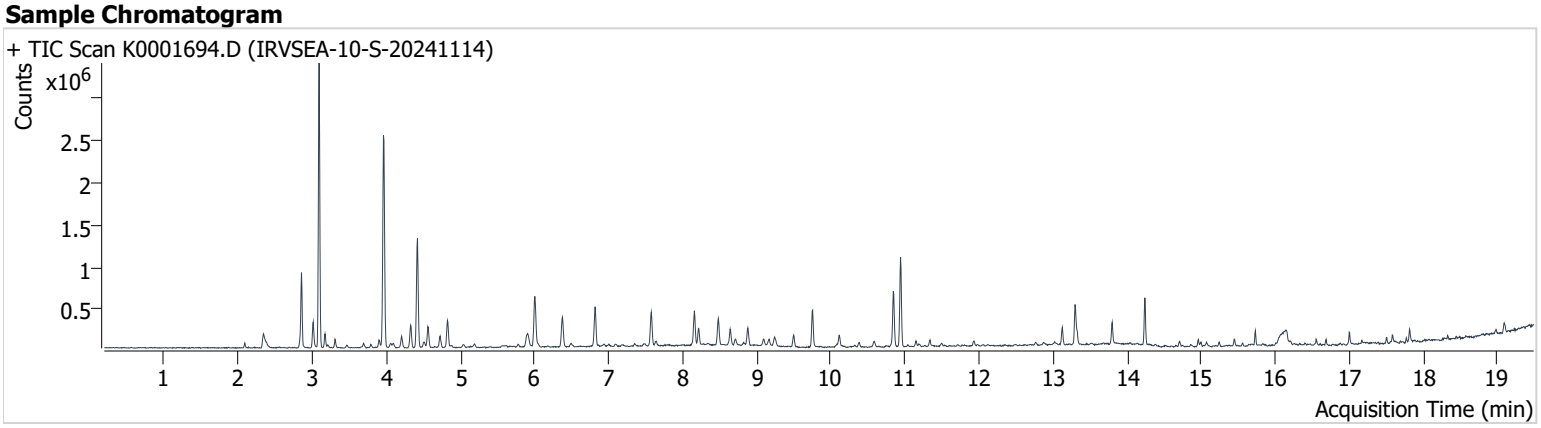
-1
-1.5
91.1
106.1
39.1
51.0
63.1
78.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

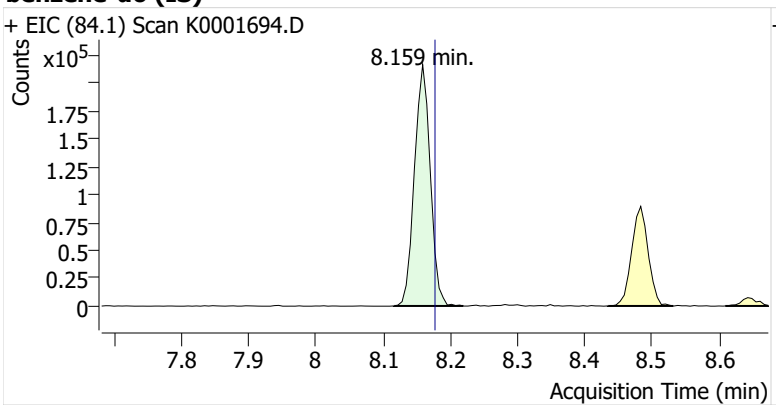
Name	IRVSEA-10-S-20241114
Comment	C43274
Data File	K0001694.D
Acq. Date-Time	12/3/2024 8:08:21 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

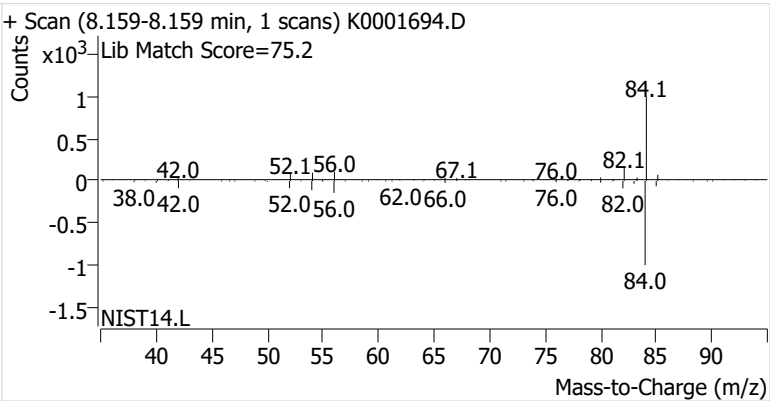
Sample Chromatogram



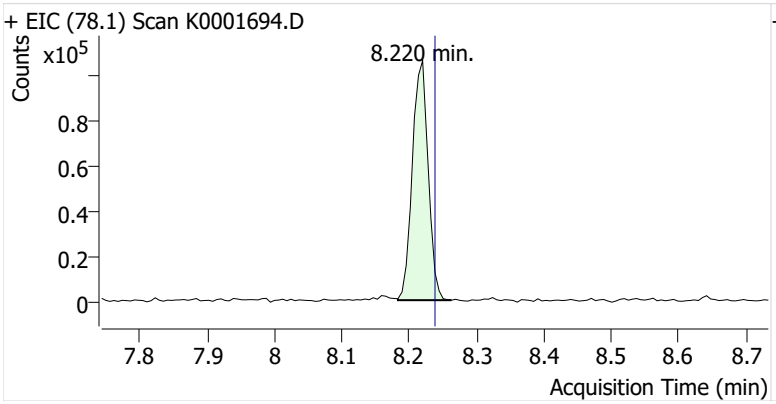
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	354,022	
Benzene	benzene-d6 (IS)	8.220	8.238	172,836	
Toluene-d8 (IS)		10.844	10.869	441,677	
Toluene	Toluene-d8 (IS)	10.942	10.967	760,569	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	133,130	
m-/p-Xylene	Toluene-d8 (IS)	13.298	13.340	331,335	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	122,321	

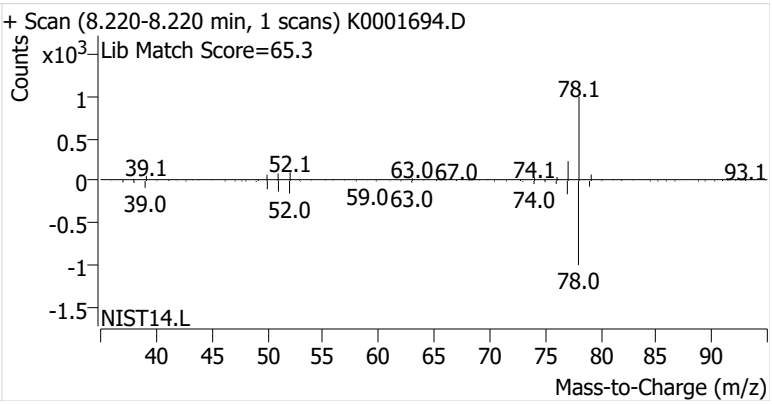
benzene-d6 (IS)



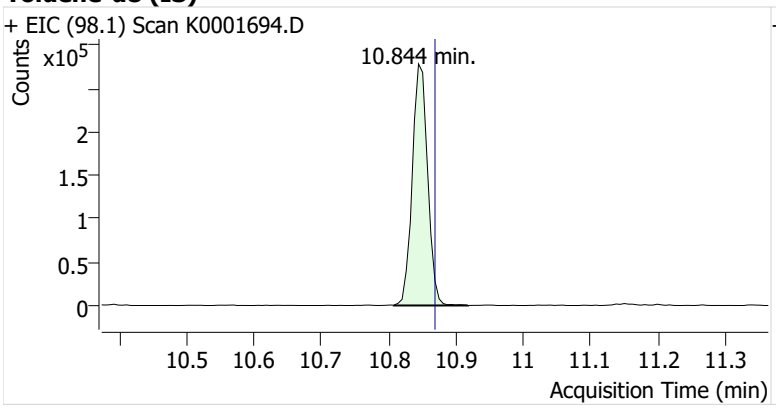


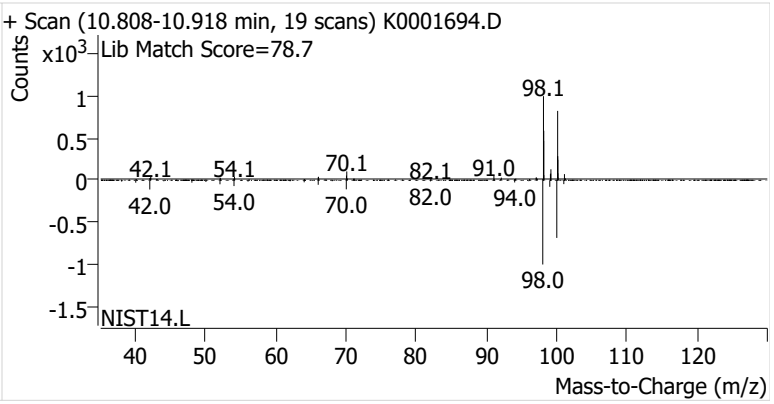
Benzene



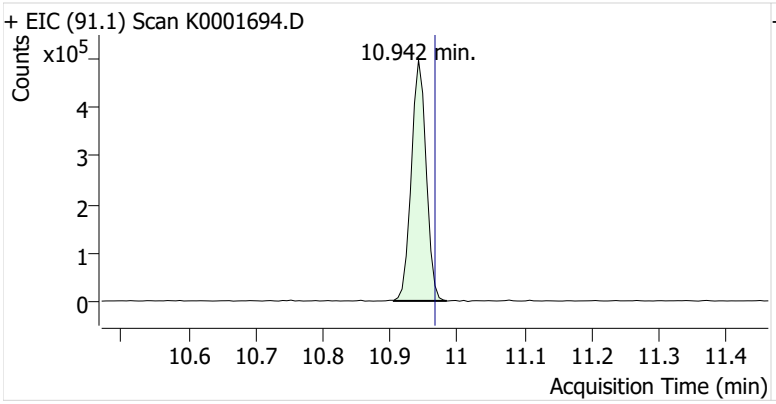


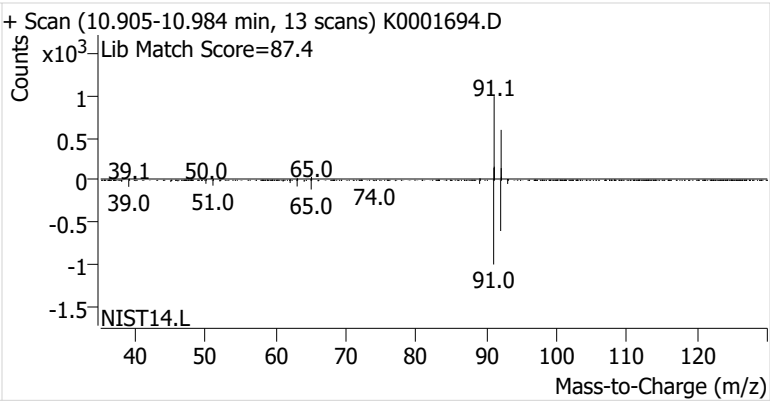
Toluene-d8 (IS)



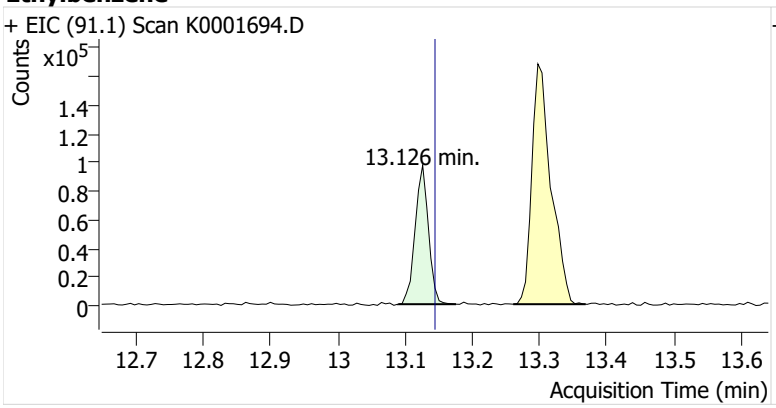


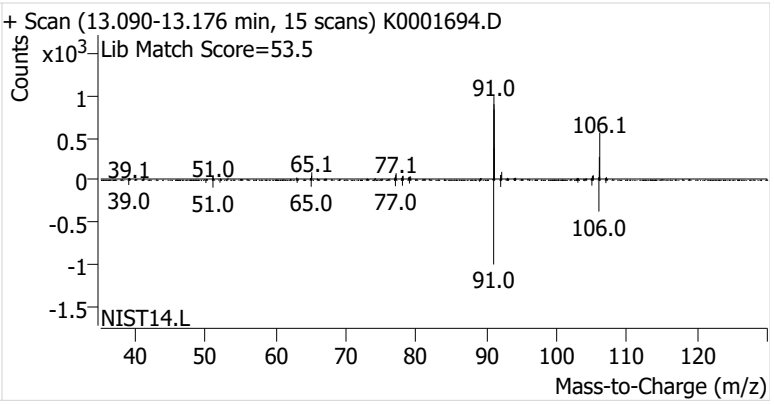
Toluene



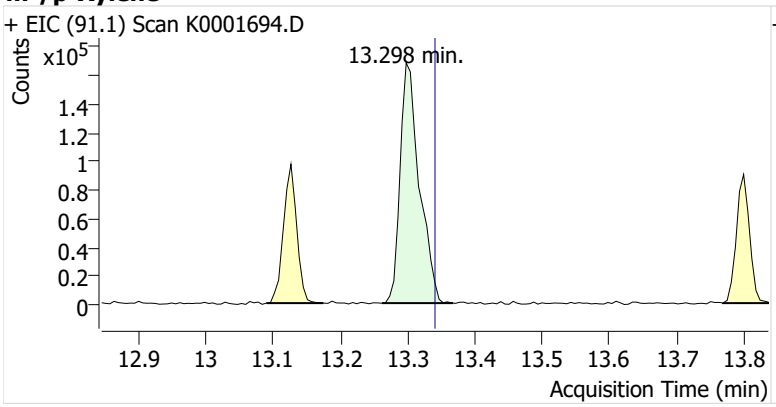


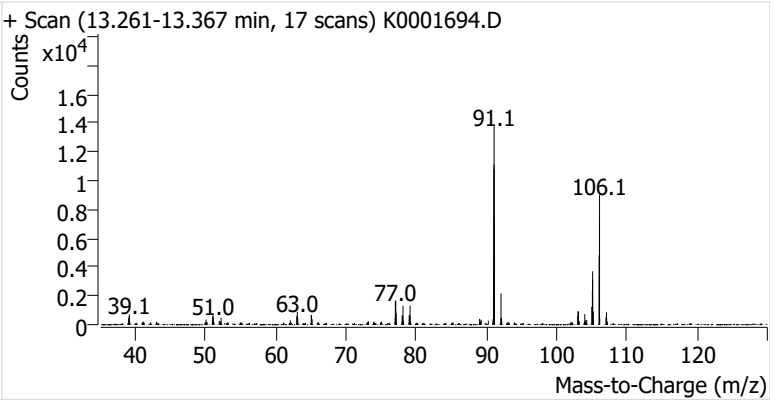
Ethylbenzene



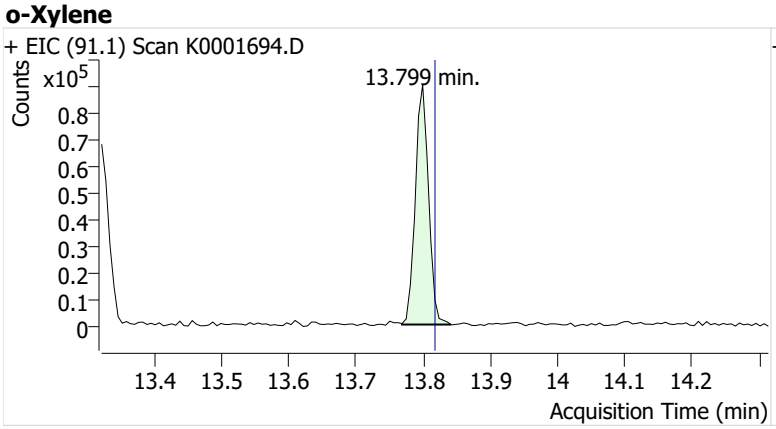


m-/p-Xylene





o-Xylene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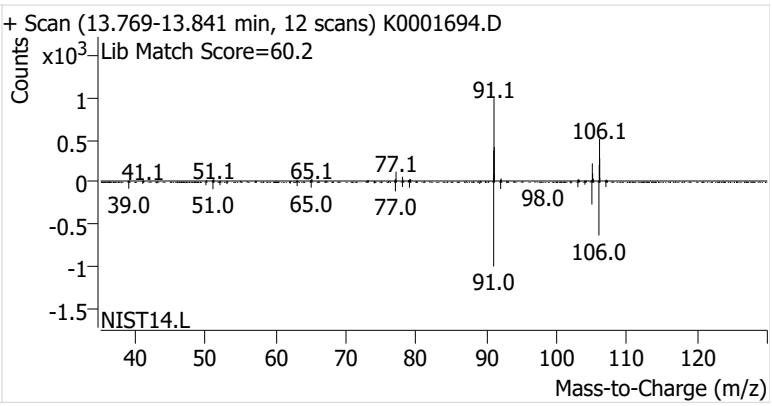
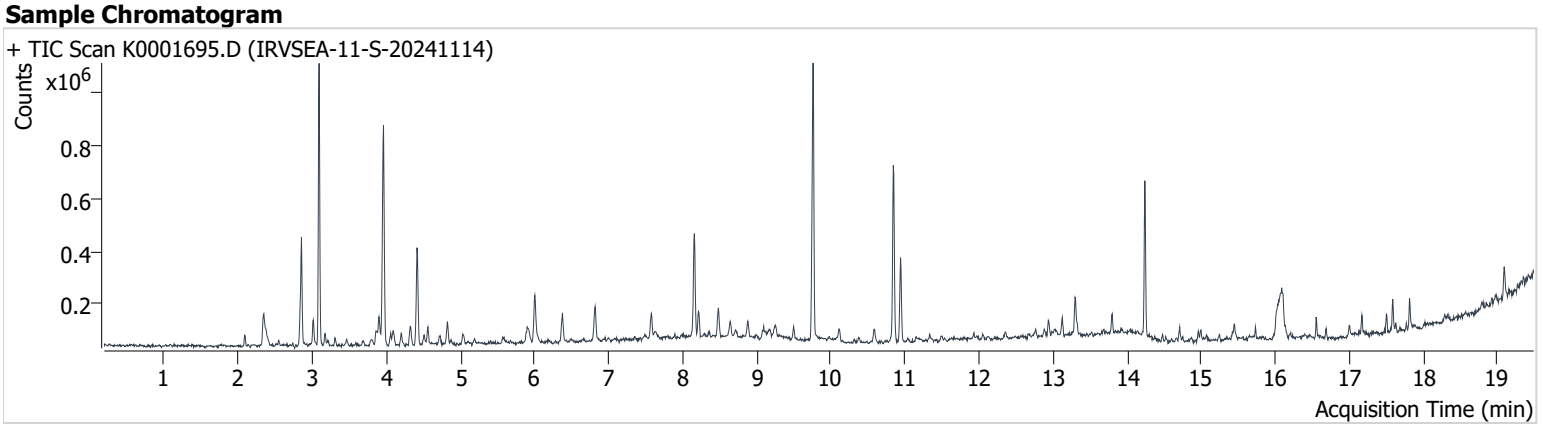
13.799 min.
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.769-13.841 min, 12 scans) K0001694.D
Lib Match Score=60.2
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
51.1
65.1
77.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

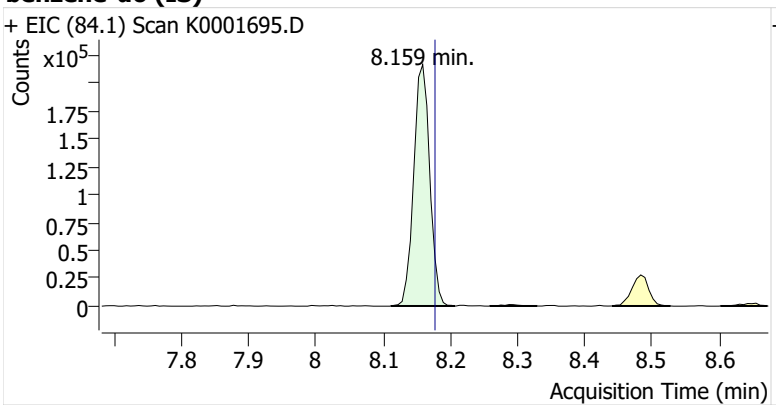
Name	IRVSEA-11-S-20241114
Comment	B47141
Data File	K0001695.D
Acq. Date-Time	12/3/2024 8:36:01 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

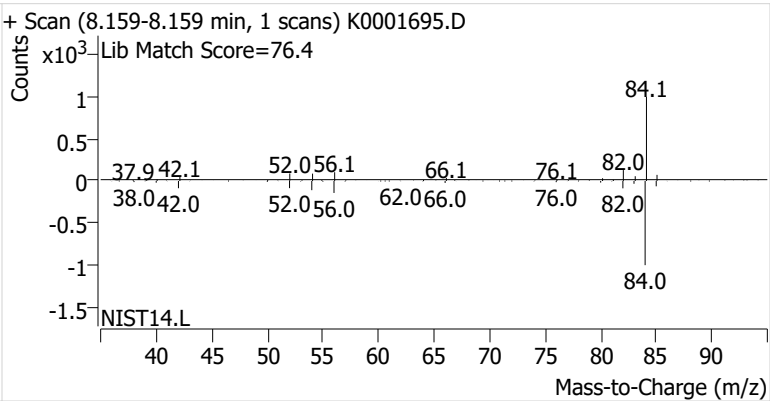
Sample Chromatogram



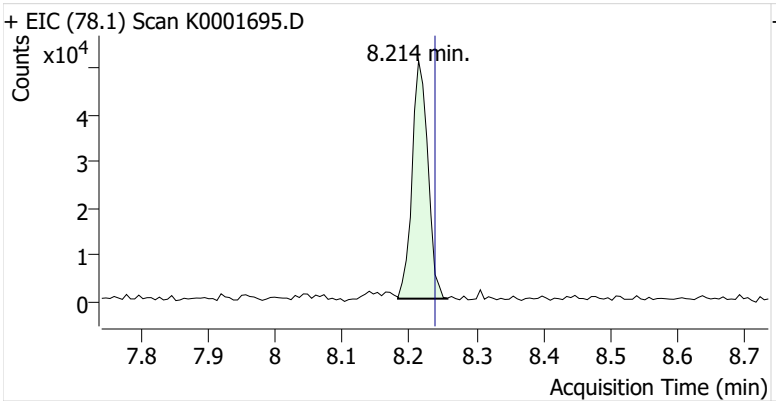
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	358,644	
Benzene	benzene-d6 (IS)	8.214	8.238	83,262	
Toluene-d8 (IS)		10.844	10.869	441,424	
Toluene	Toluene-d8 (IS)	10.942	10.967	217,910	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	41,737	
m-/p-Xylene	Toluene-d8 (IS)	13.304	13.340	96,740	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	36,231	

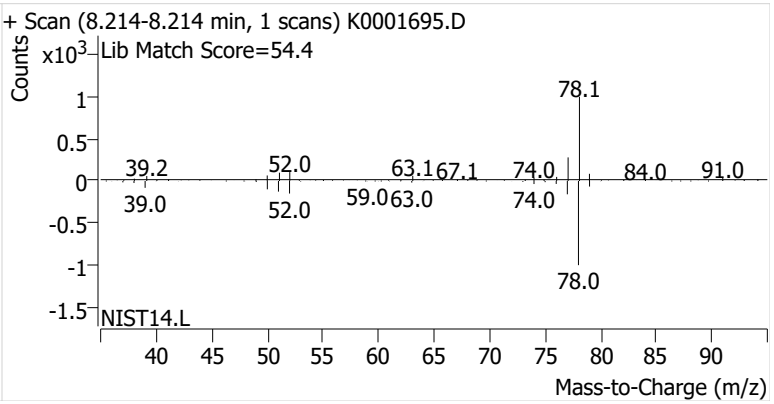
benzene-d6 (IS)



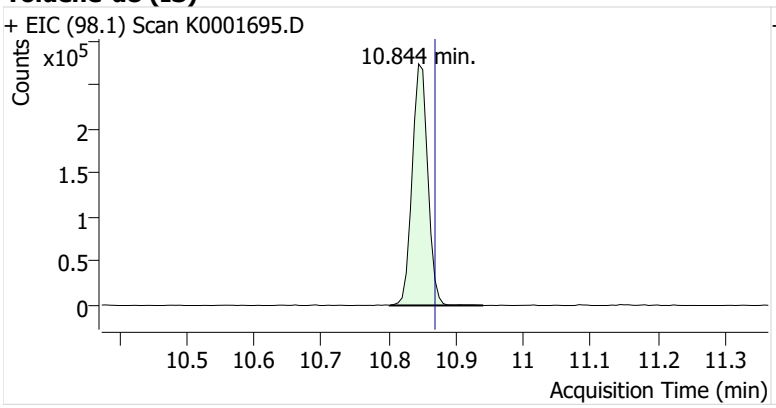


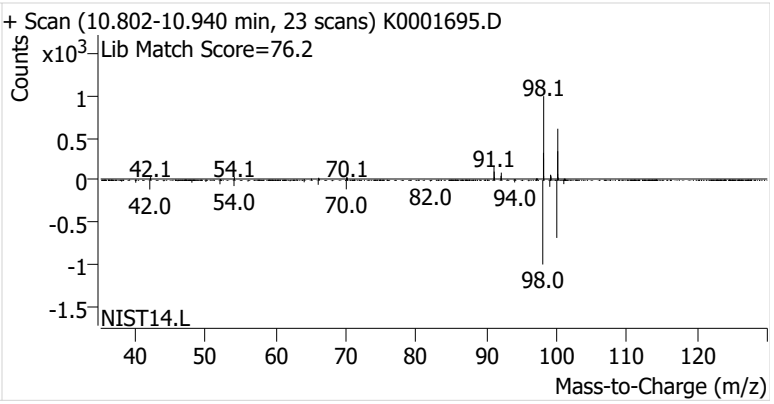
Benzene



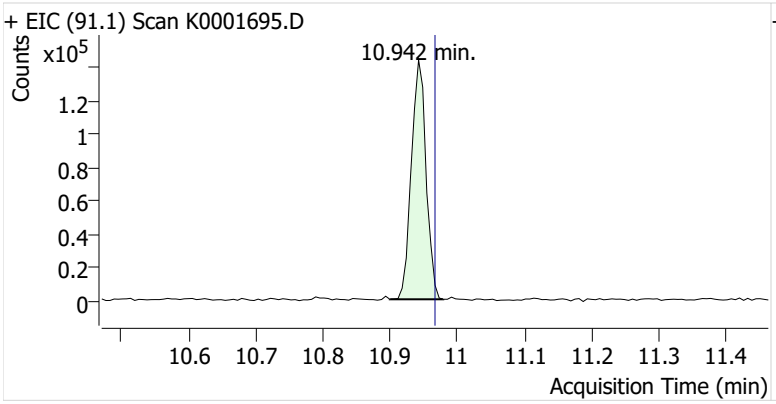


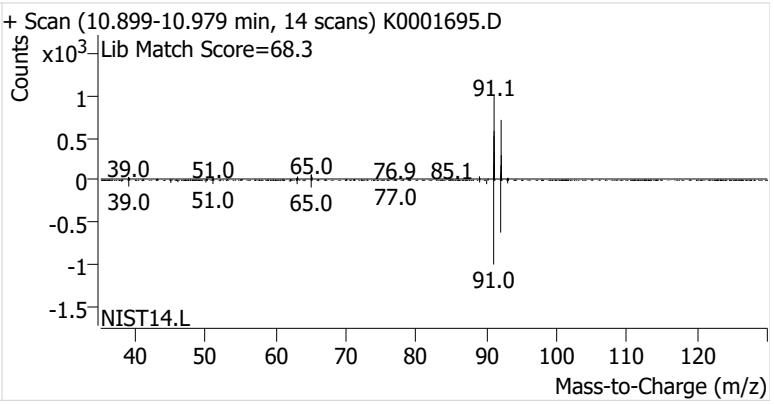
Toluene-d8 (IS)



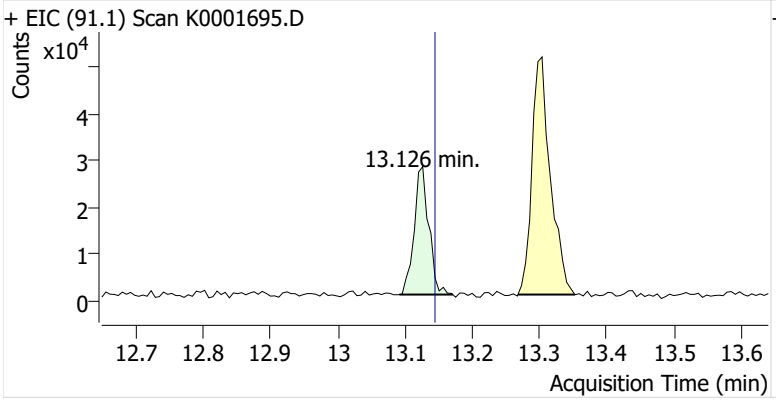


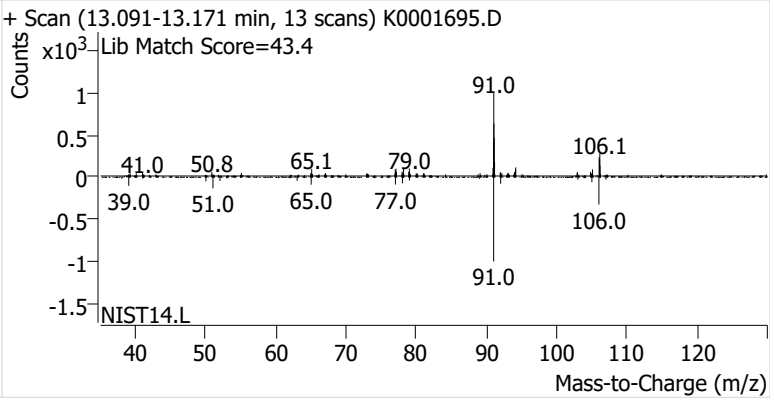
Toluene



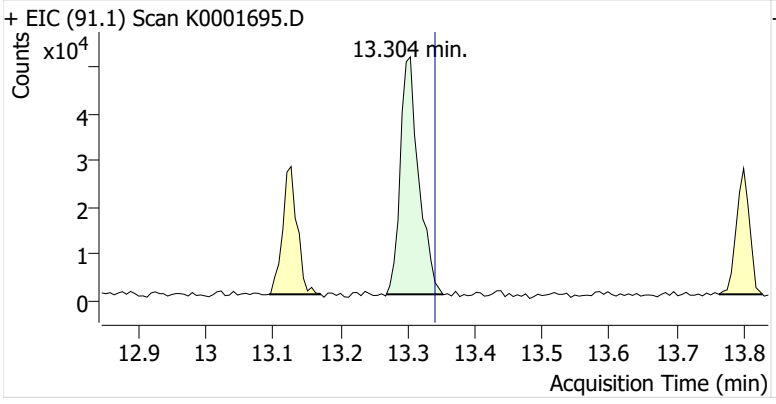


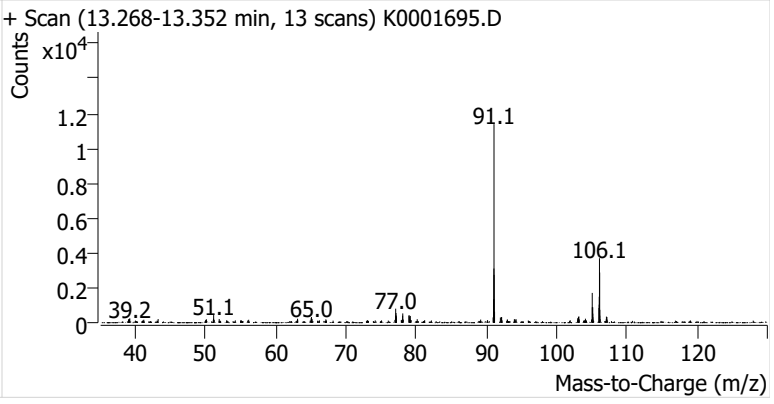
Ethylbenzene



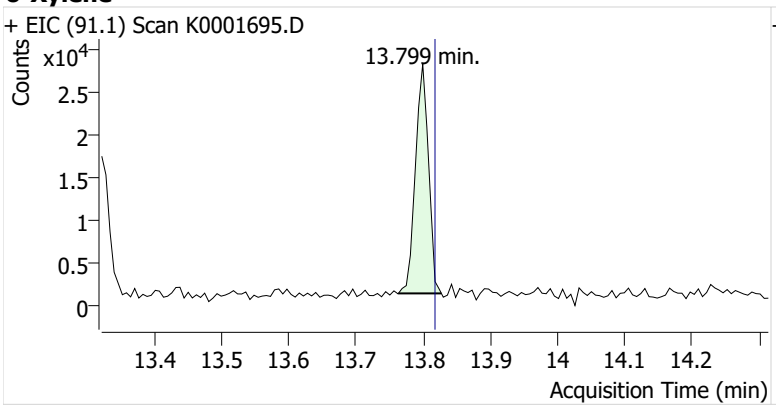


m-/p-Xylene





o-Xylene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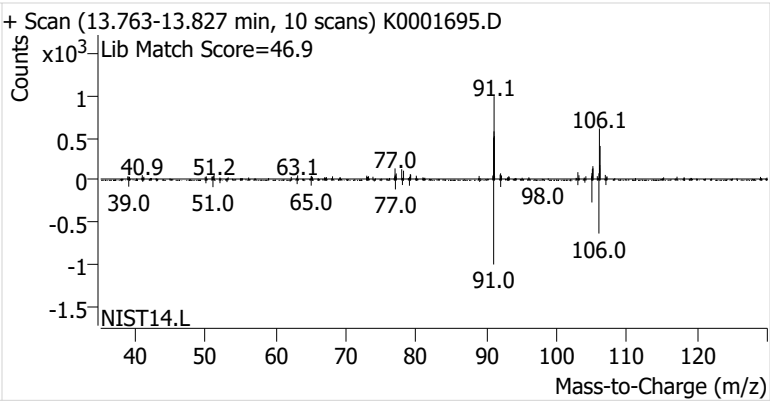
Counts
x10^4
13.799 min.
2.5
2
1.5
1
0.5
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.763-13.827 min, 10 scans) K0001695.D
Counts
x10^3
Lib Match Score=46.9
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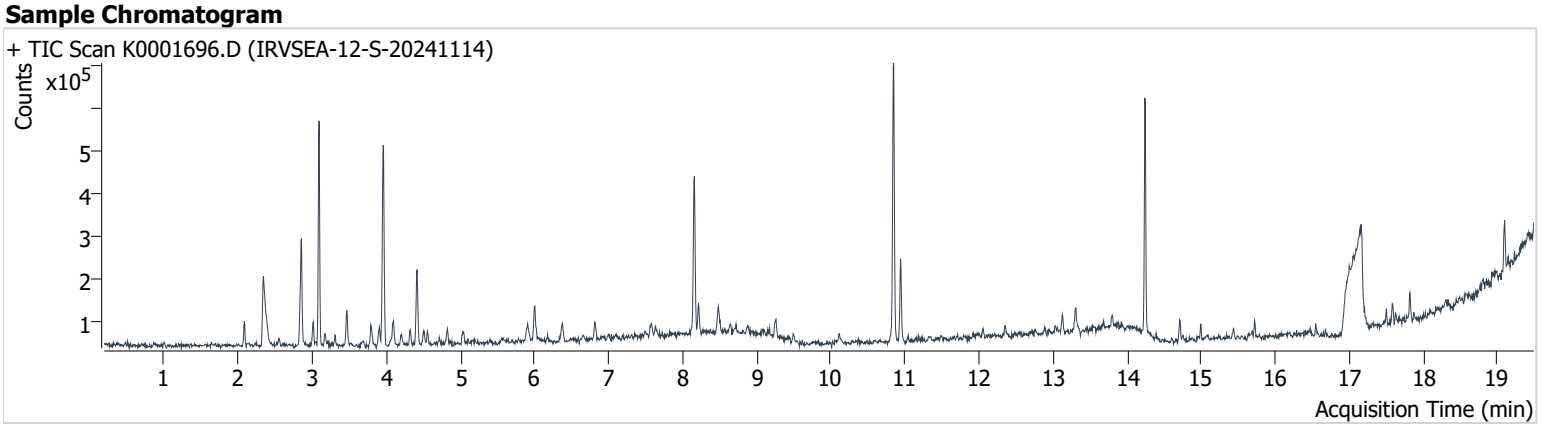
106.1
40.9
51.2
63.1
77.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

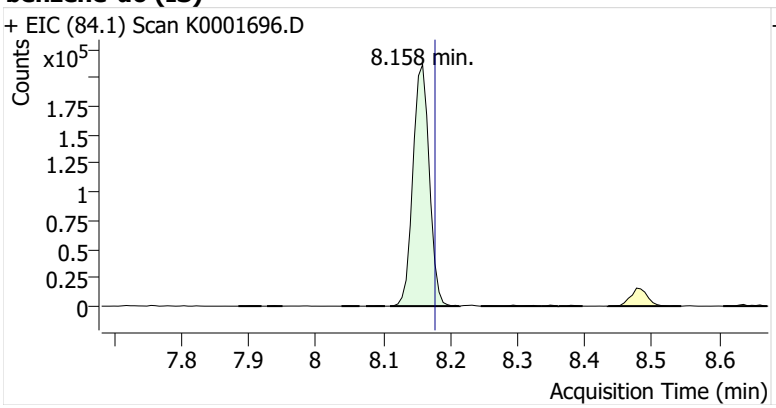
Name	IRVSEA-12-S-20241114
Comment	B27179
Data File	K0001696.D
Acq. Date-Time	12/3/2024 9:03:34 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

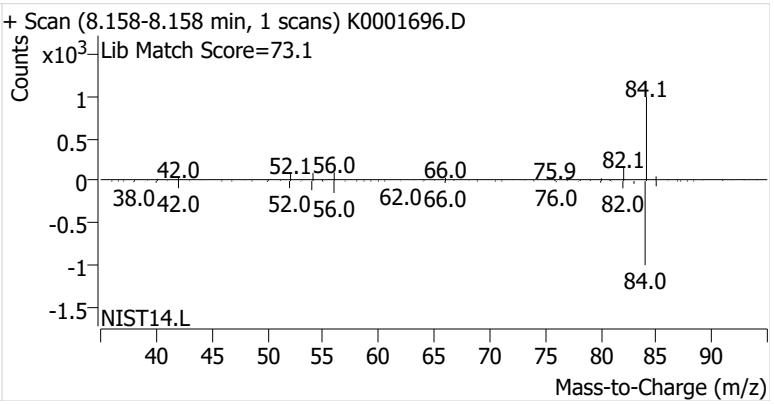
Sample Chromatogram



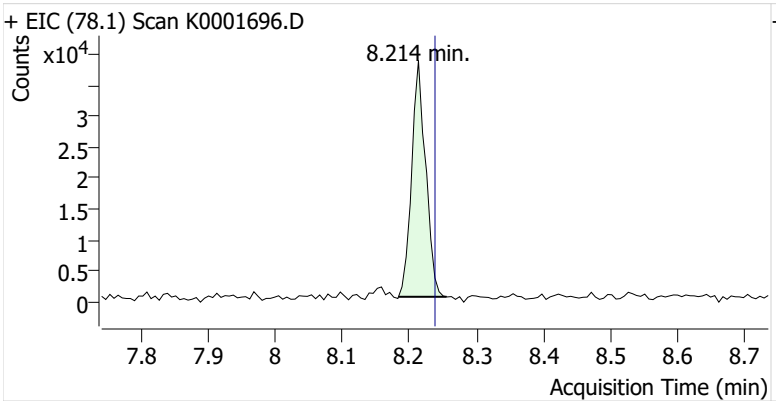
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	358,404	
Benzene	benzene-d6 (IS)	8.214	8.238	55,016	
Toluene-d8 (IS)		10.844	10.869	442,001	
Toluene	Toluene-d8 (IS)	10.942	10.967	120,927	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	24,166	
m-/p-Xylene	Toluene-d8 (IS)	13.310	13.340	31,853	
o-Xylene	Toluene-d8 (IS)	13.805	13.818	11,630	

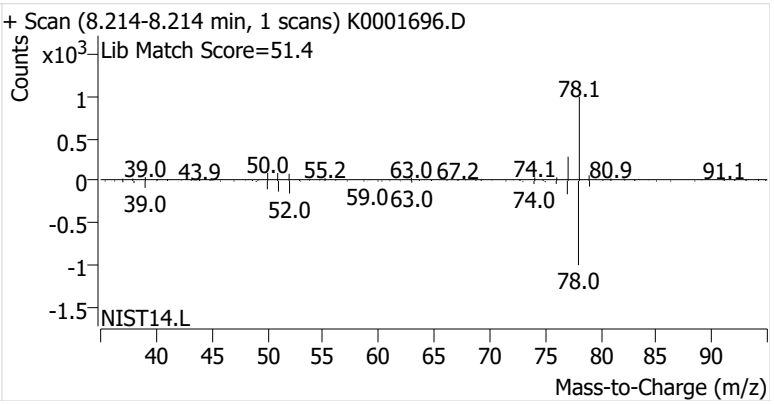
benzene-d6 (IS)



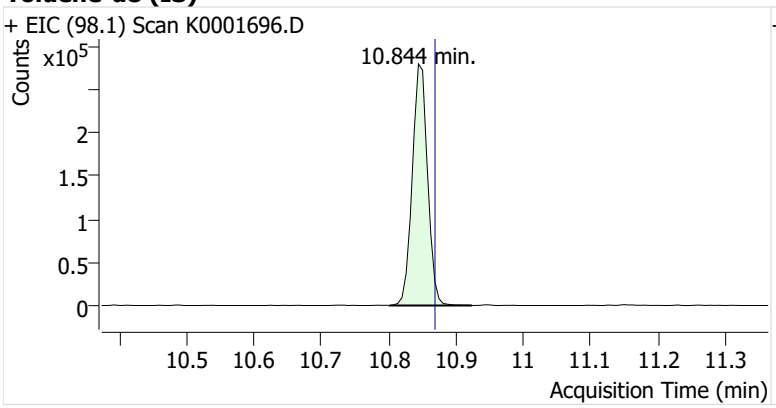


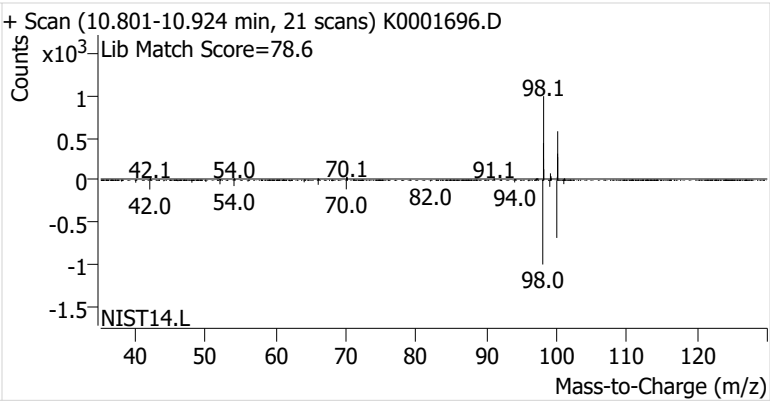
Benzene



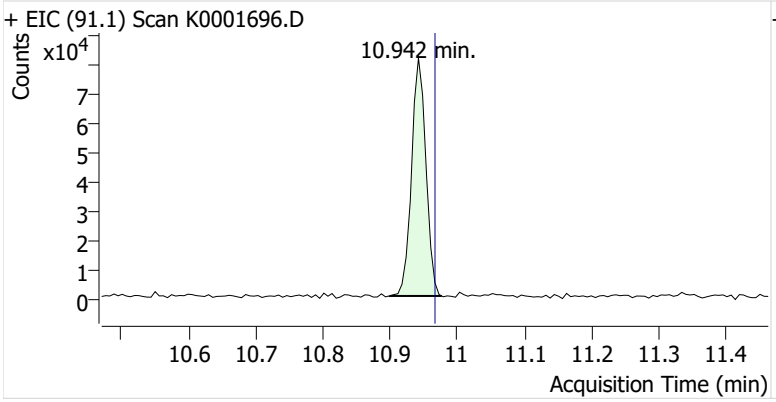


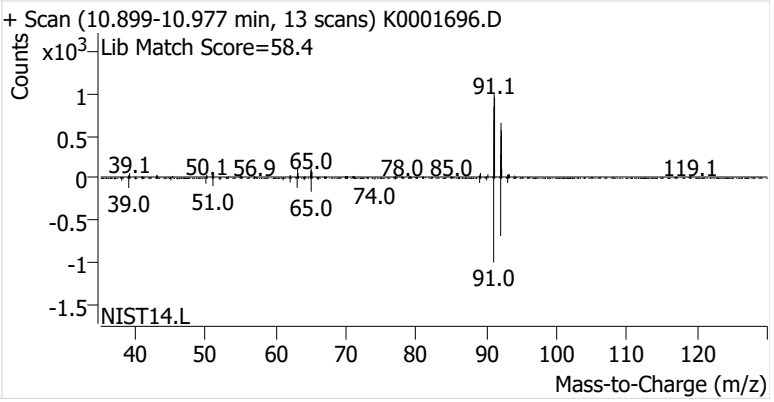
Toluene-d8 (IS)



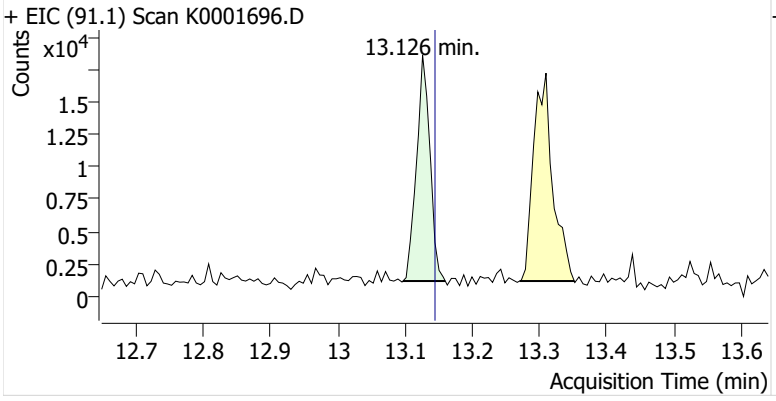


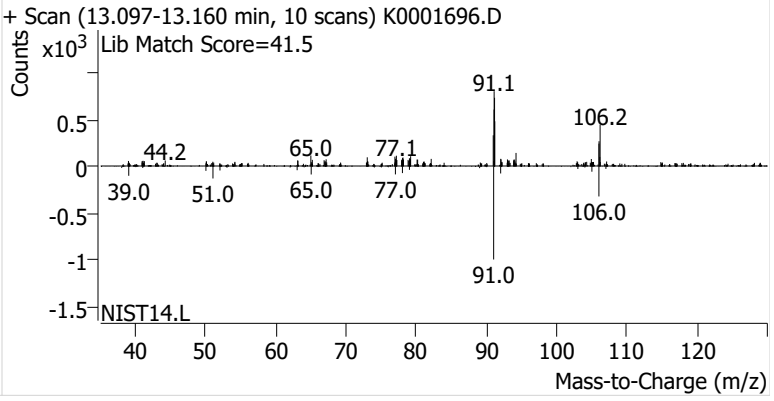
Toluene



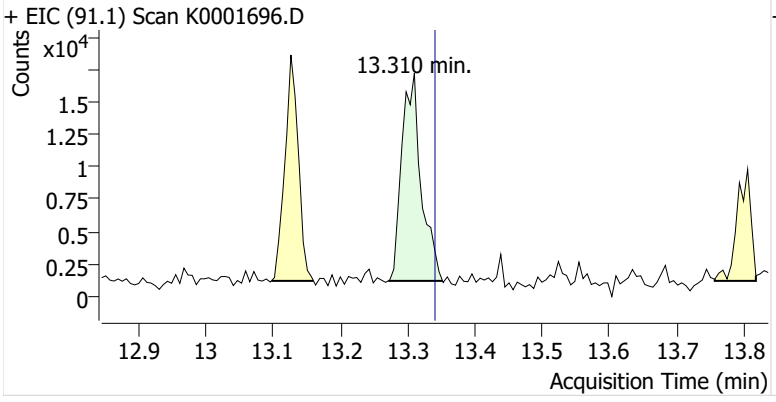


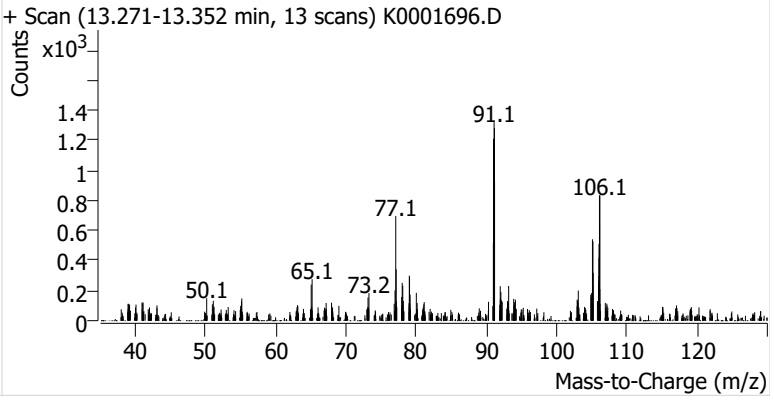
Ethylbenzene



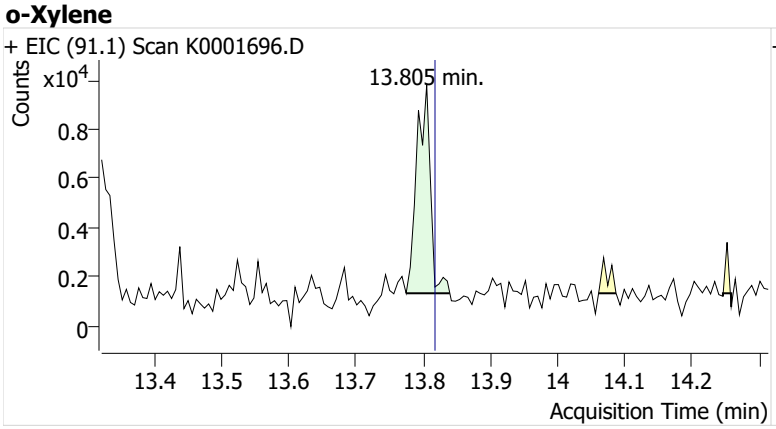


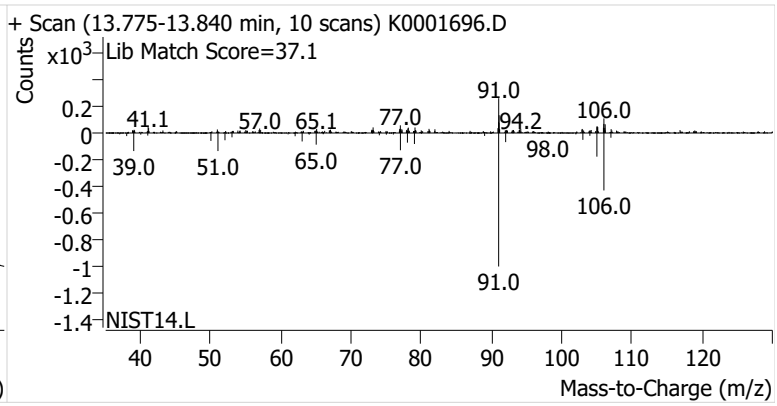
m-/p-Xylene





o-Xylene


+ EIC (91.1) Scan K0001696.D
Counts
x10^4
13.805 min.
0.8
0.6
0.4
0.2
0
13.4
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
Acquisition Time (min)


+ Scan (13.775-13.840 min, 10 scans) K0001696.D
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x10^3
Lib Match Score=37.1
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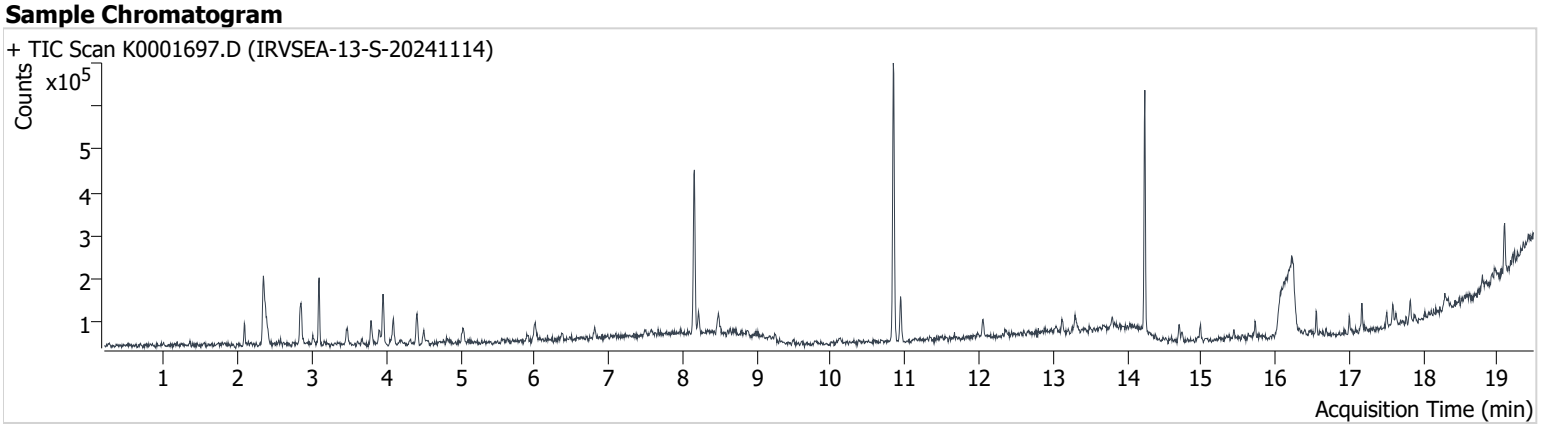
57.0
65.1
77.0
94.2
106.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
NIST14.L
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

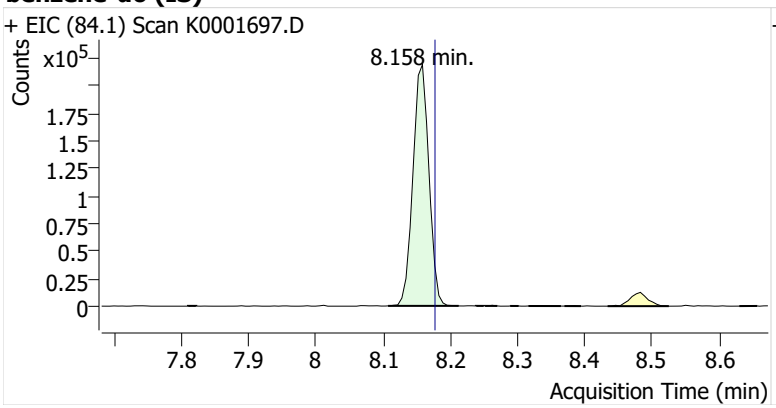
Name	IRVSEA-13-S-20241114
Comment	B27402
Data File	K0001697.D
Acq. Date-Time	12/3/2024 9:32:02 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

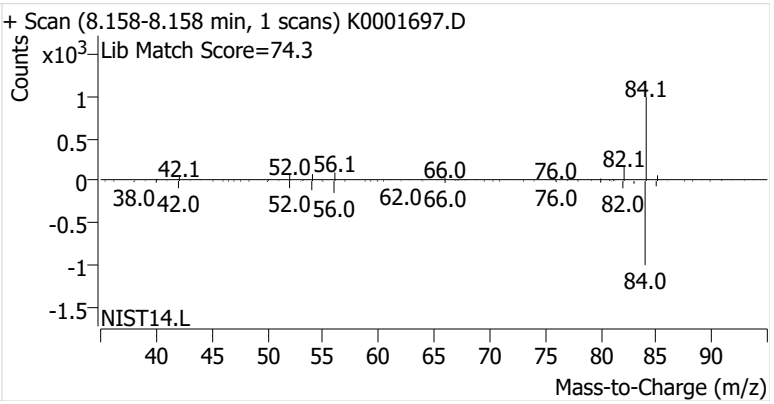
Sample Chromatogram



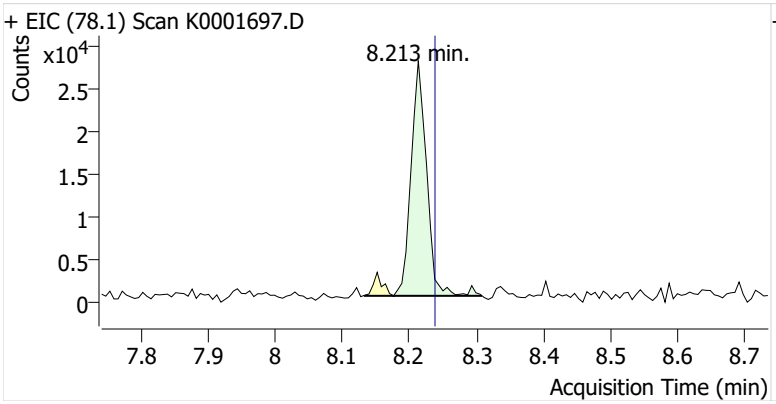
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	361,116	
Benzene	benzene-d6 (IS)	8.213	8.238	44,601	
Toluene-d8 (IS)		10.844	10.869	437,026	
Toluene	Toluene-d8 (IS)	10.948	10.967	70,993	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	16,648	
m-/p-Xylene	Toluene-d8 (IS)	13.297	13.340	26,672	
o-Xylene	Toluene-d8 (IS)	13.805	13.818	10,934	

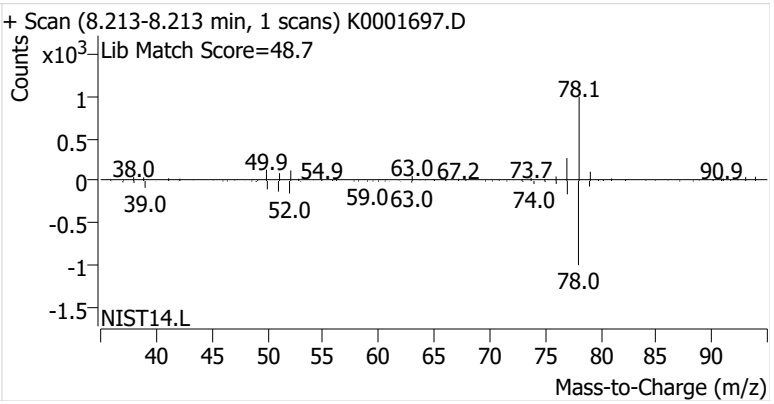
benzene-d6 (IS)



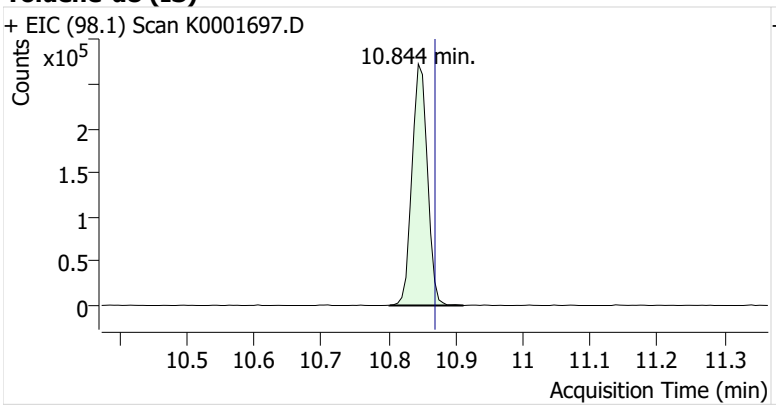


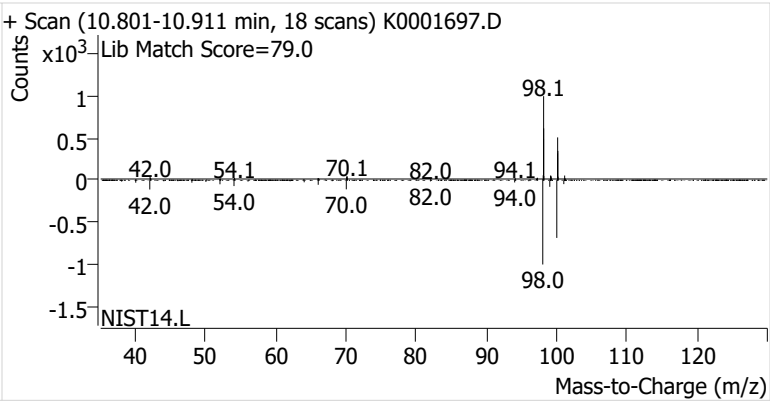
Benzene



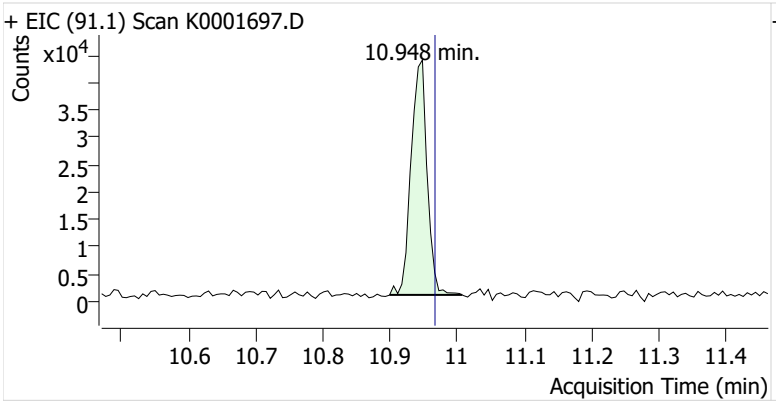


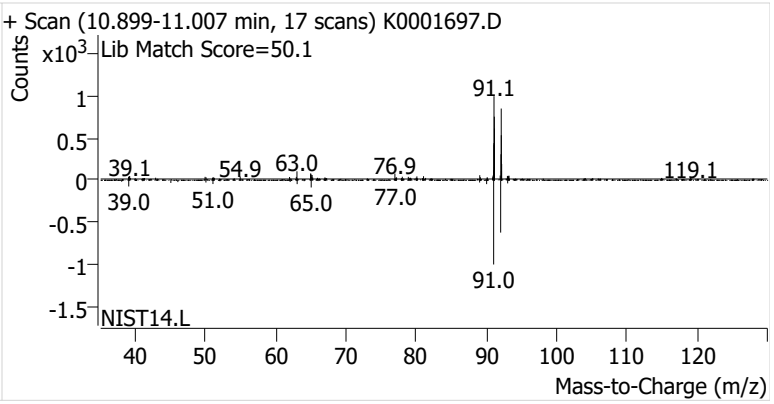
Toluene-d8 (IS)



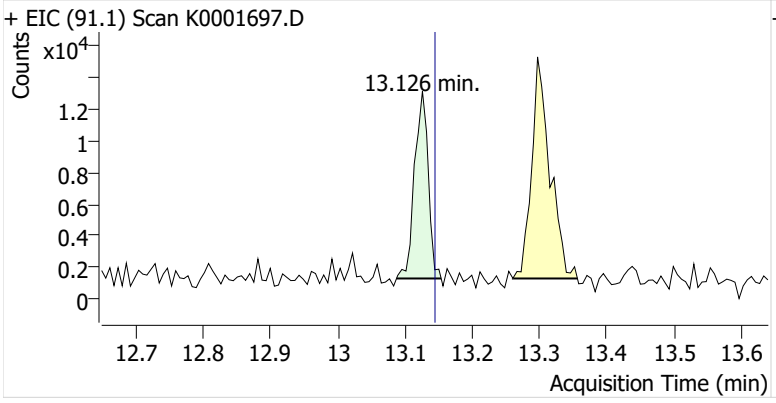


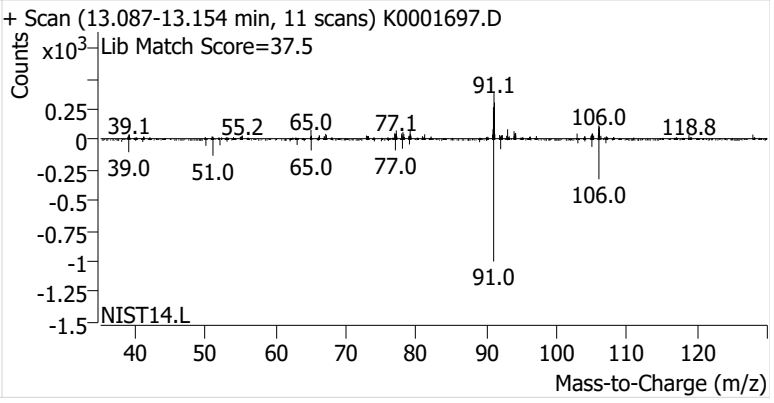
Toluene



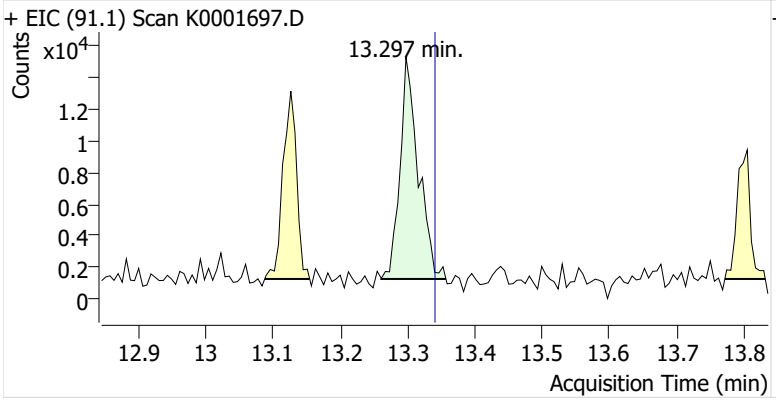


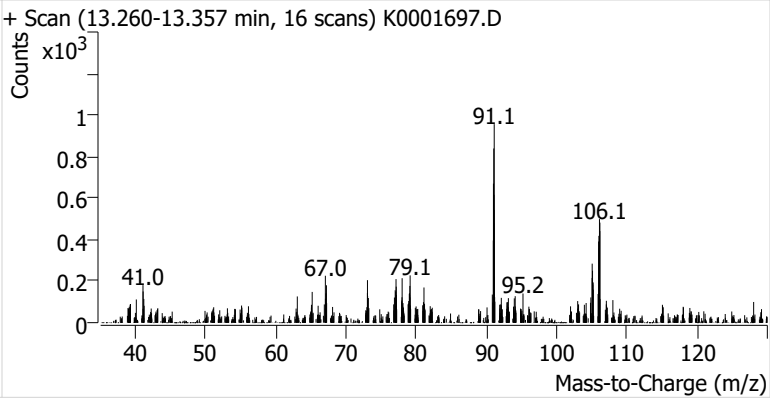
Ethylbenzene



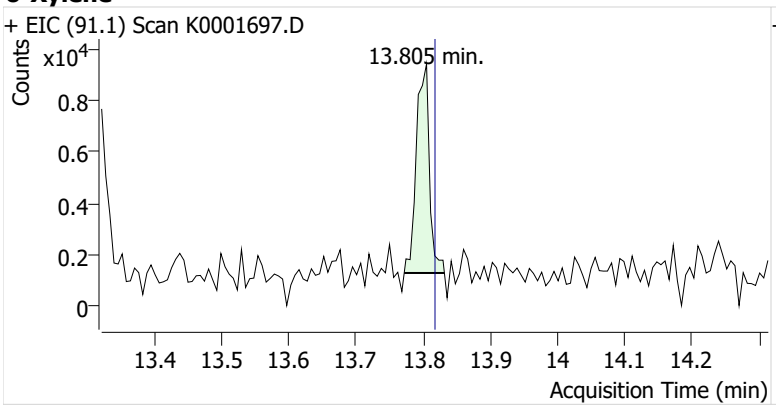


m-/p-Xylene





o-Xylene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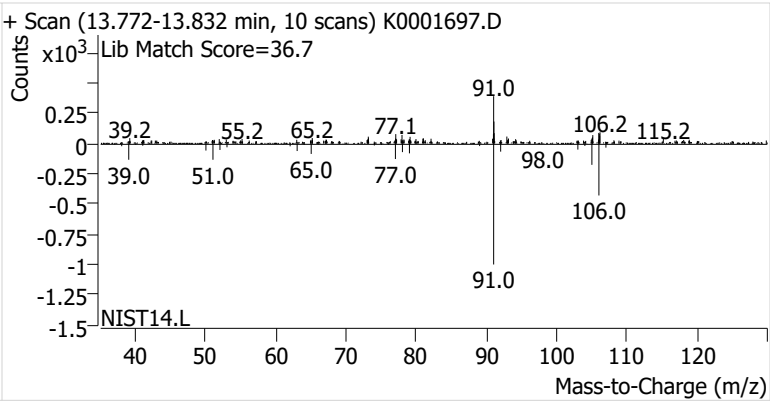
x10^4
13.805 min.
0.8
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.772-13.832 min, 10 scans) K0001697.D
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x10^3
Lib Match Score=36.7
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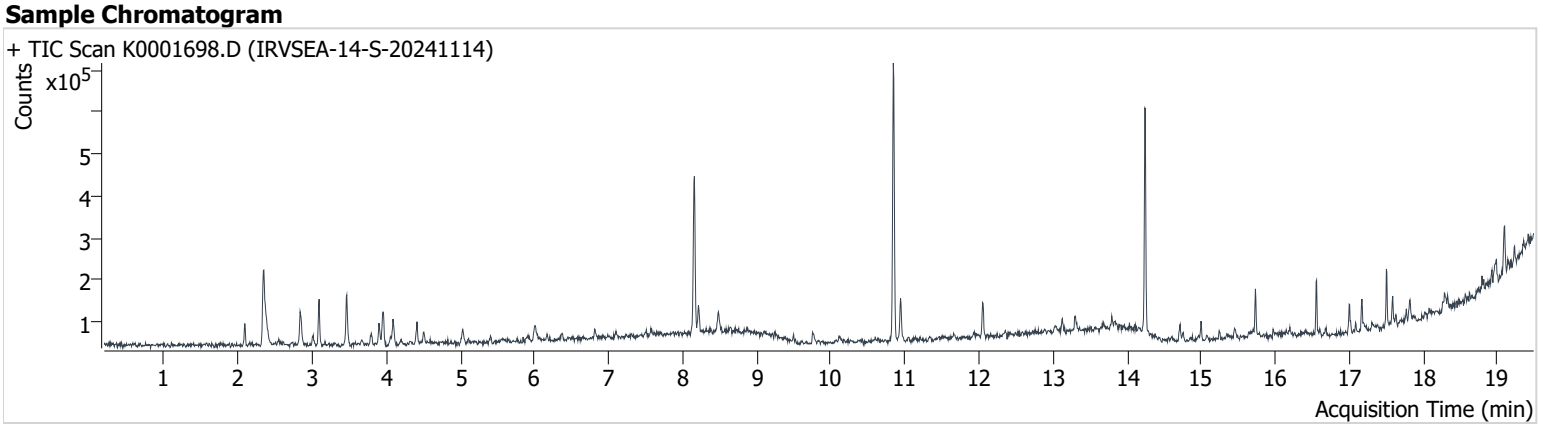
39.2
55.2
65.2
77.1
106.2
115.2
0
98.0
-0.25
39.0
51.0
65.0
77.0
106.0
-0.5
-0.75
-1
91.0
-1.25
-1.5
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

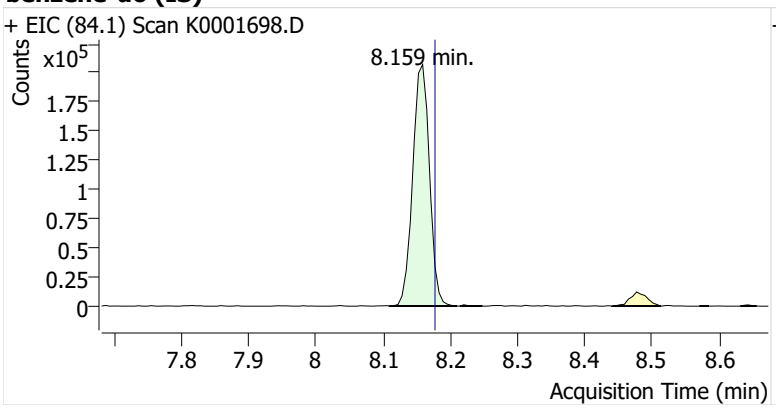
Name	IRVSEA-14-S-20241114
Comment	C36989
Data File	K0001698.D
Acq. Date-Time	12/3/2024 9:59:38 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

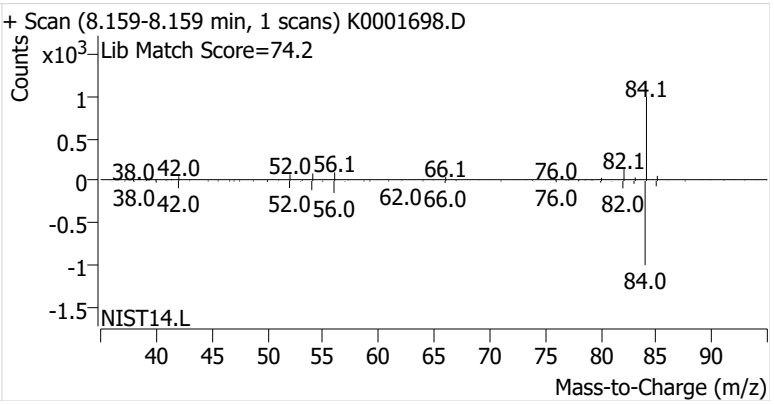
Sample Chromatogram



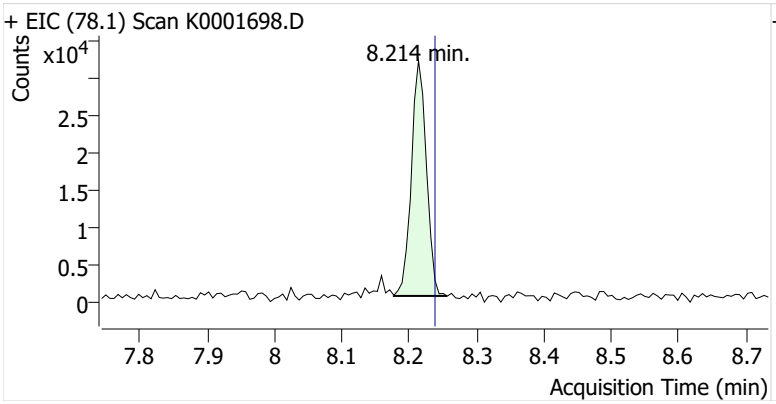
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	357,818	
Benzene	benzene-d6 (IS)	8.214	8.238	48,989	
Toluene-d8 (IS)		10.844	10.869	437,152	
Toluene	Toluene-d8 (IS)	10.942	10.967	70,482	
Ethylbenzene	Toluene-d8 (IS)	13.120	13.145	16,890	
m-/p-Xylene	Toluene-d8 (IS)	13.304	13.340	23,246	m
o-Xylene	Toluene-d8 (IS)	13.793	13.818	9,389	

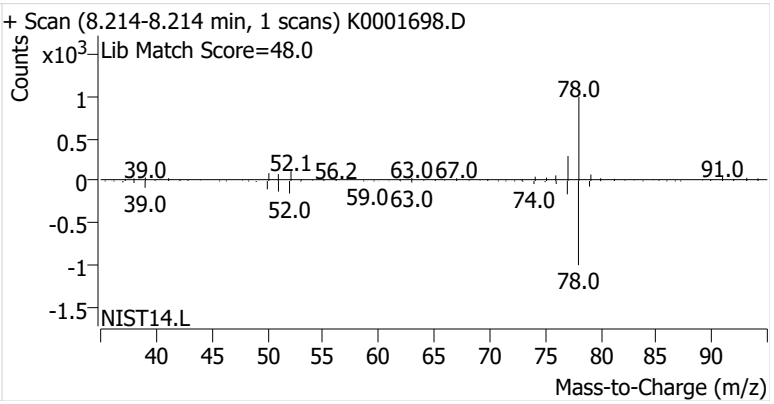
benzene-d6 (IS)



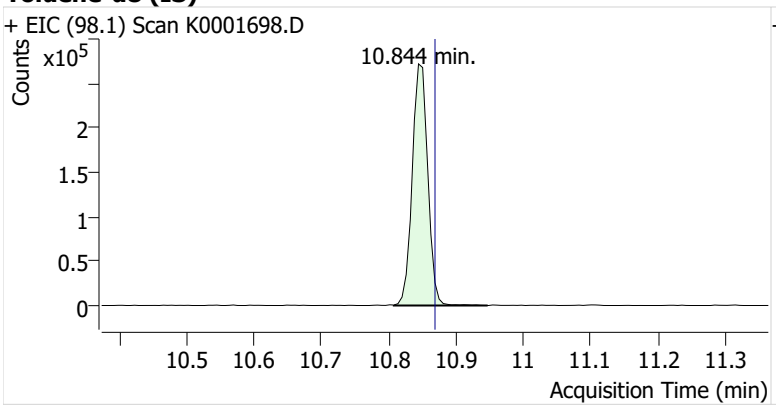


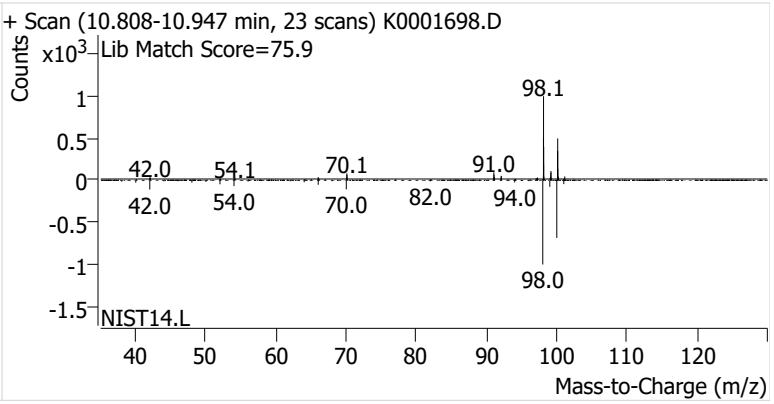
Benzene



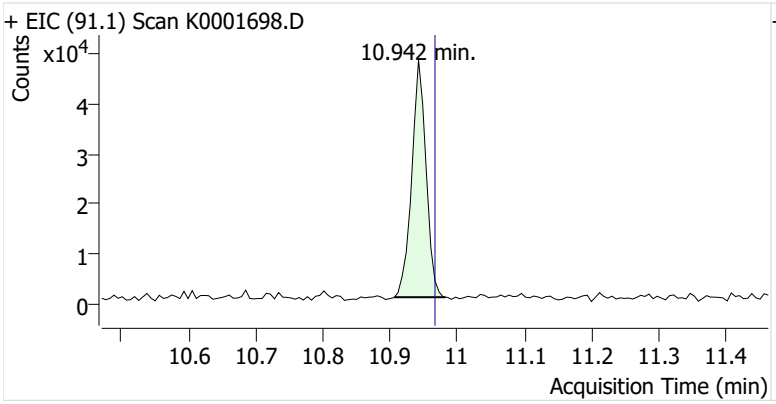


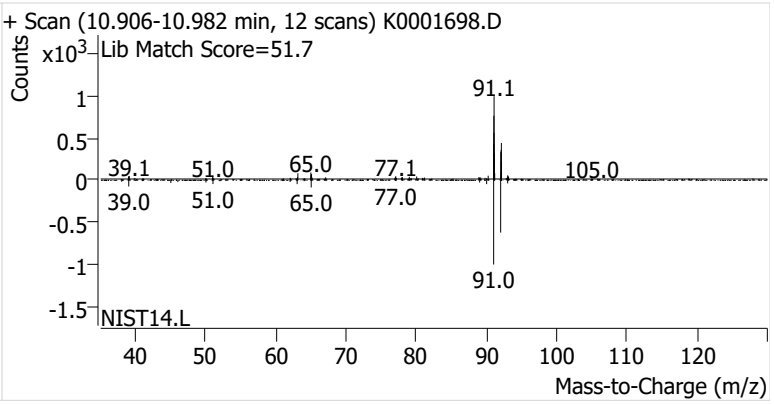
Toluene-d8 (IS)



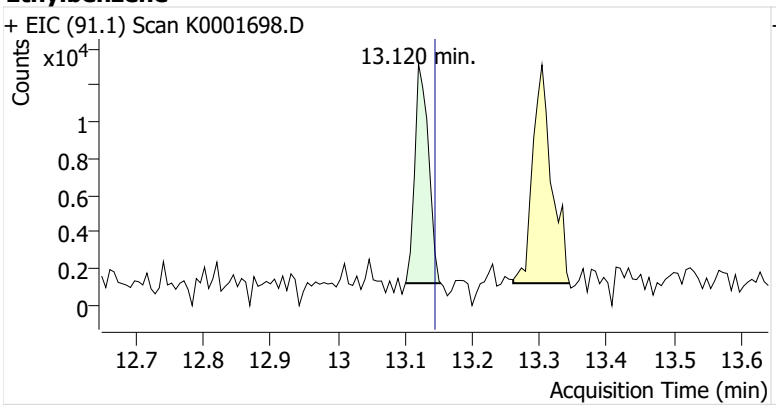


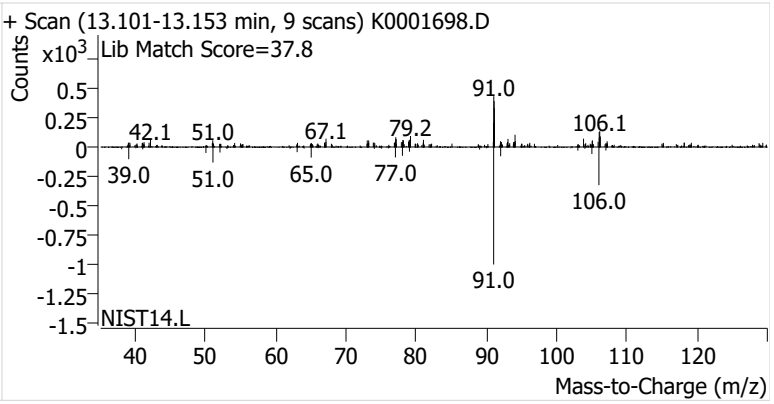
Toluene



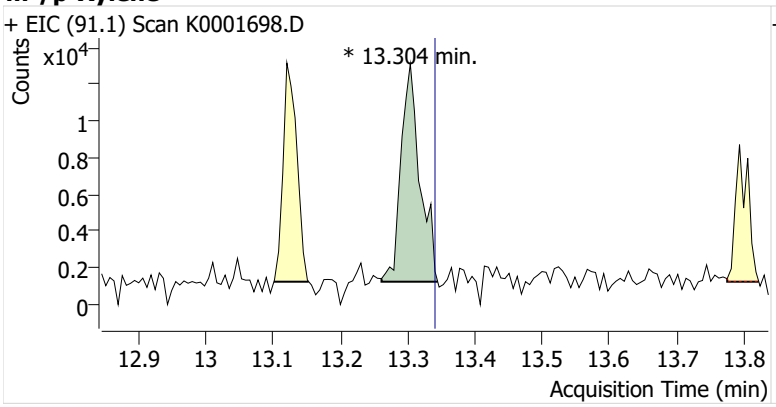


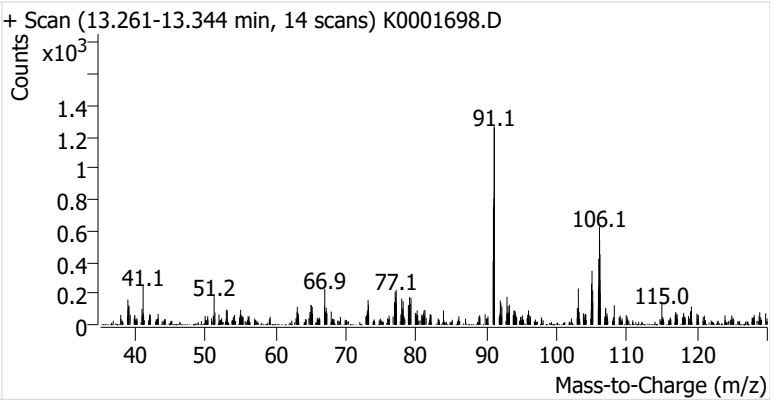
Ethylbenzene



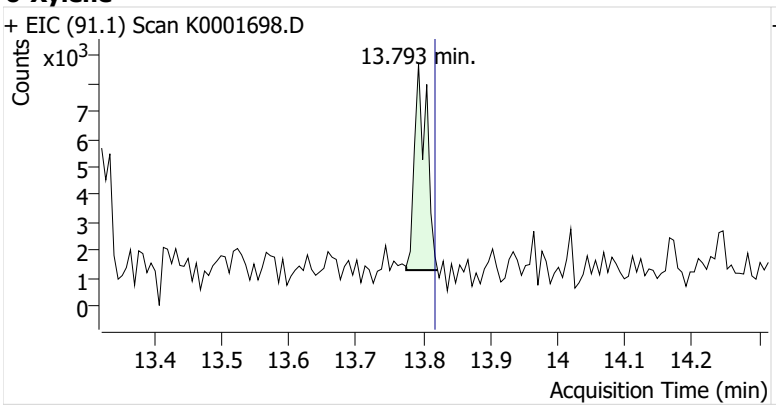


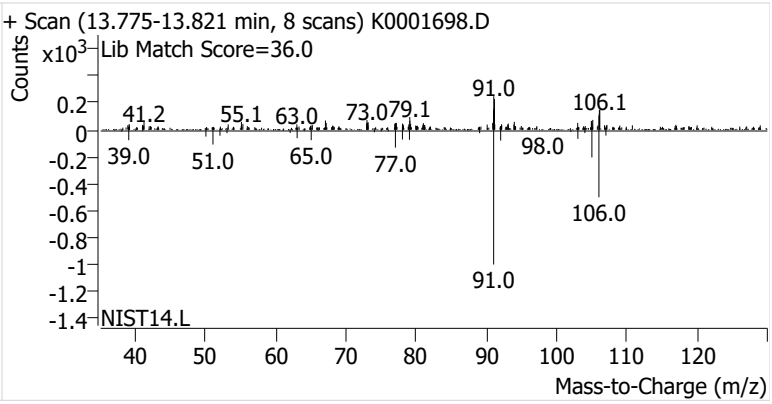
m-/p-Xylene





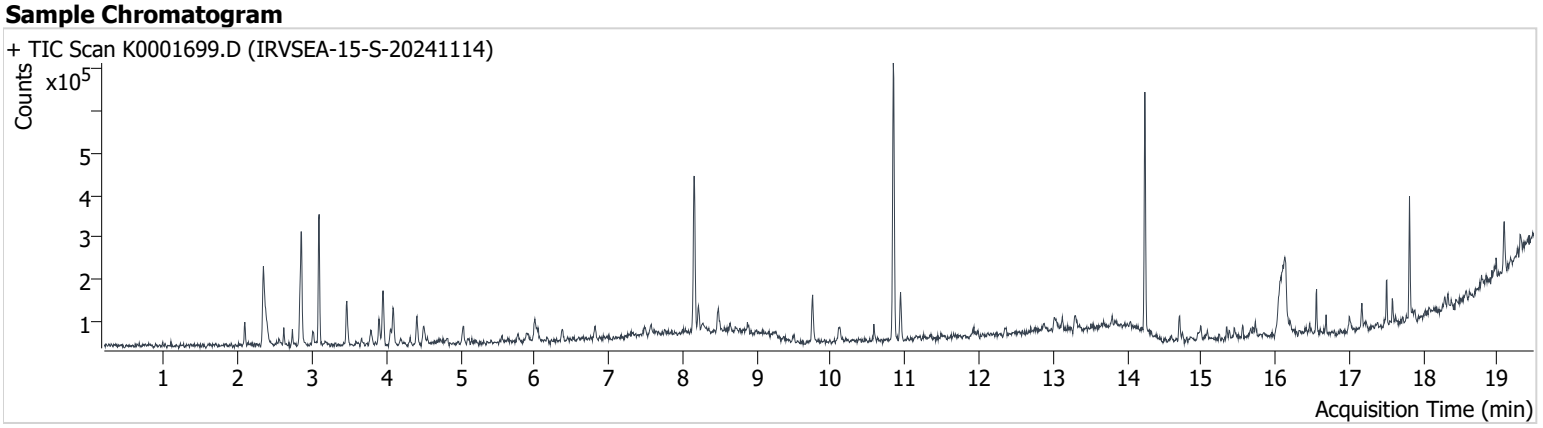
o-Xylene


+ EIC (91.1) Scan K0001698.D
Counts
x10^3
13.793 min.
Acquisition Time (min)


+ Scan (13.775-13.821 min, 8 scans) K0001698.D
Lib Match Score=36.0
Counts
x10^3
NIST14.L
Mass-to-Charge (m/z)

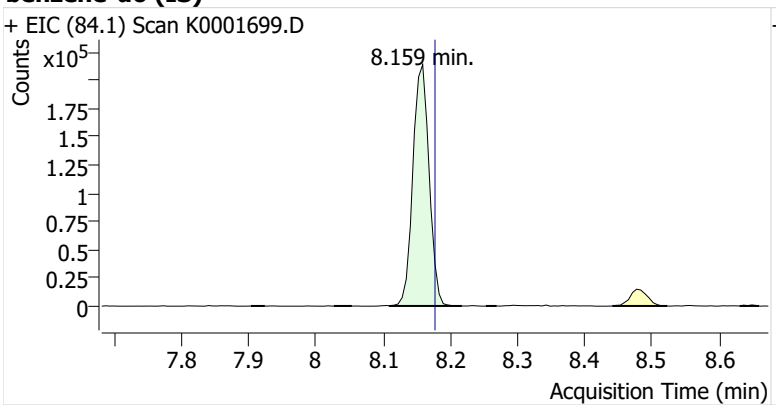
Name	IRVSEA-15-S-20241114
Comment	C35806
Data File	K0001699.D
Acq. Date-Time	12/3/2024 10:27:17 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

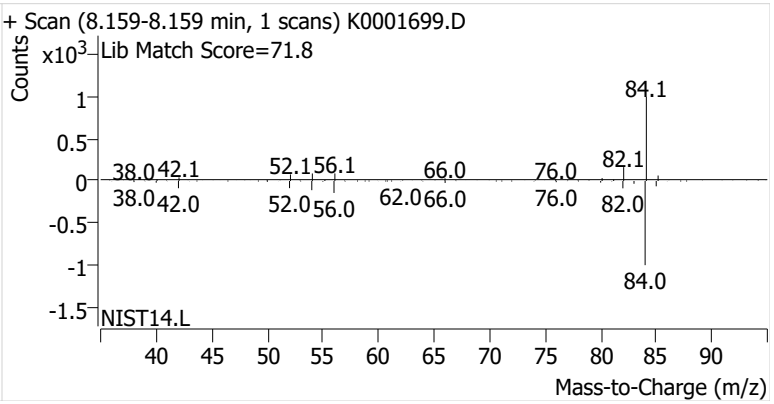
Sample Chromatogram



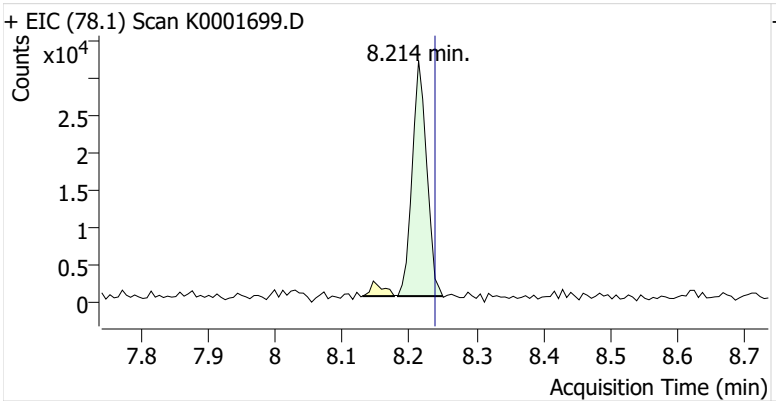
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.159	8.177	357,667	
Benzene	benzene-d6 (IS)	8.214	8.238	47,208	
Toluene-d8 (IS)		10.844	10.869	432,169	
Toluene	Toluene-d8 (IS)	10.942	10.967	72,218	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	13,508	
m-/p-Xylene	Toluene-d8 (IS)	13.298	13.340	23,605	m
o-Xylene	Toluene-d8 (IS)	13.799	13.818	9,755	

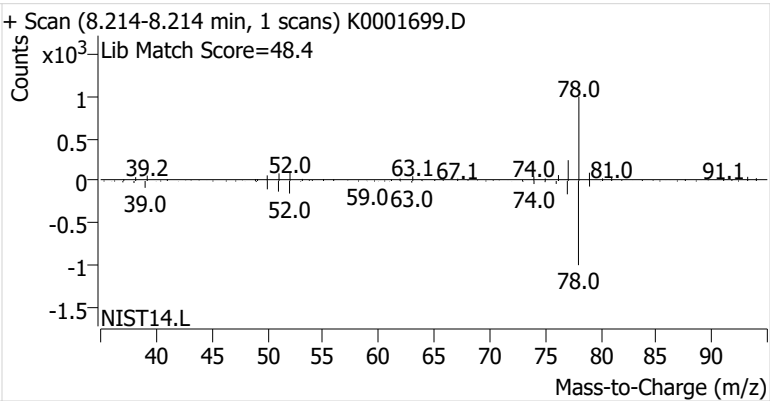
benzene-d6 (IS)



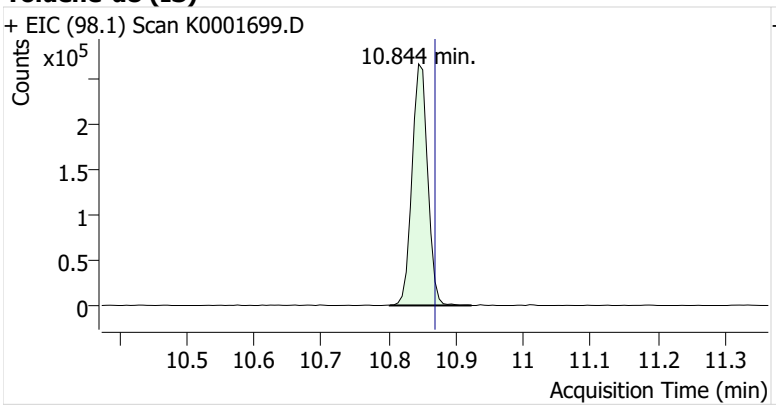


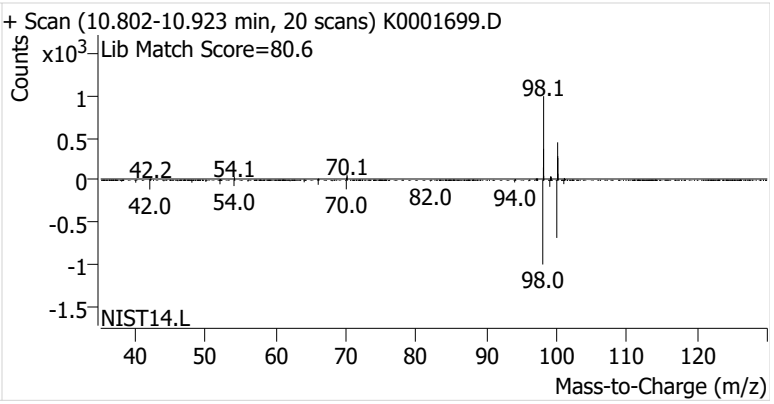
Benzene



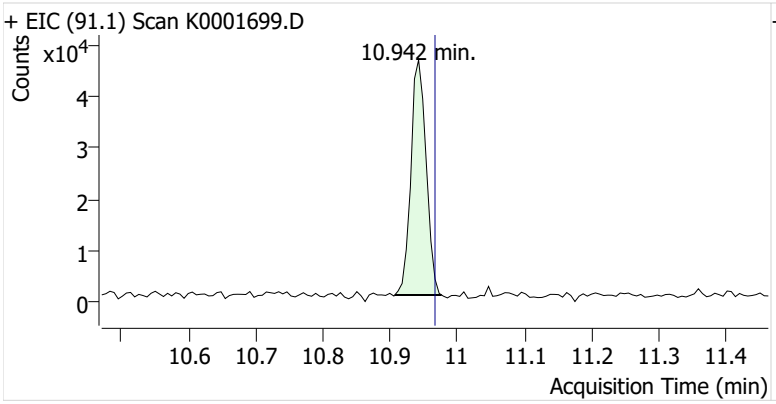


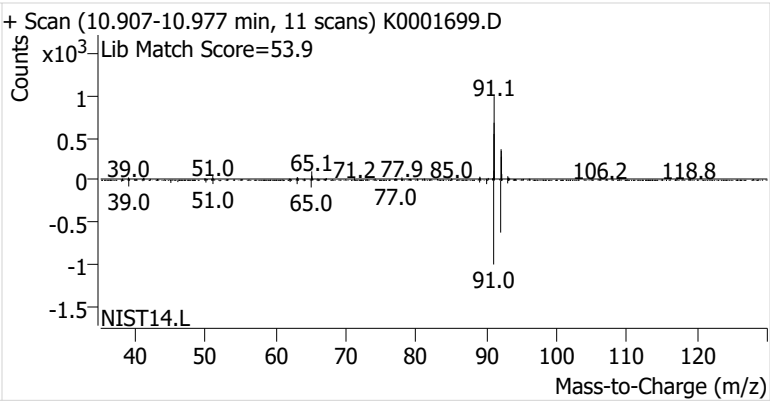
Toluene-d8 (IS)



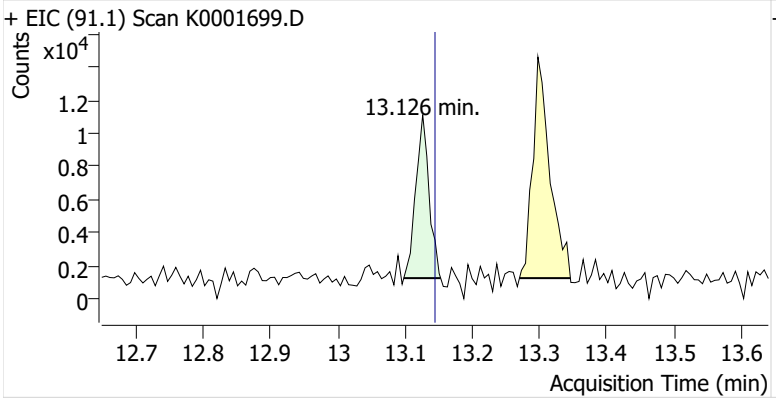


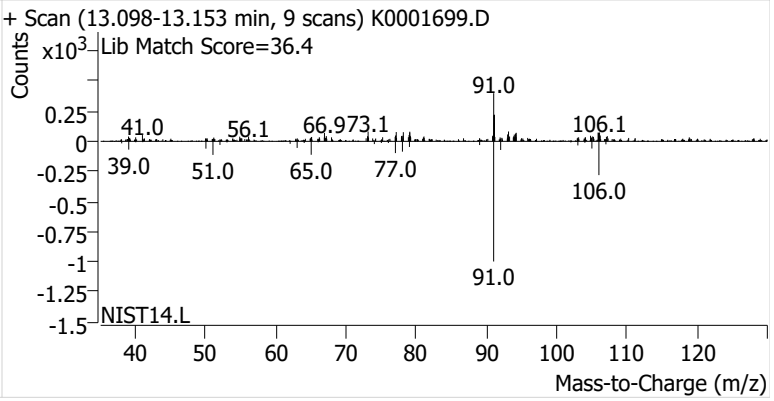
Toluene



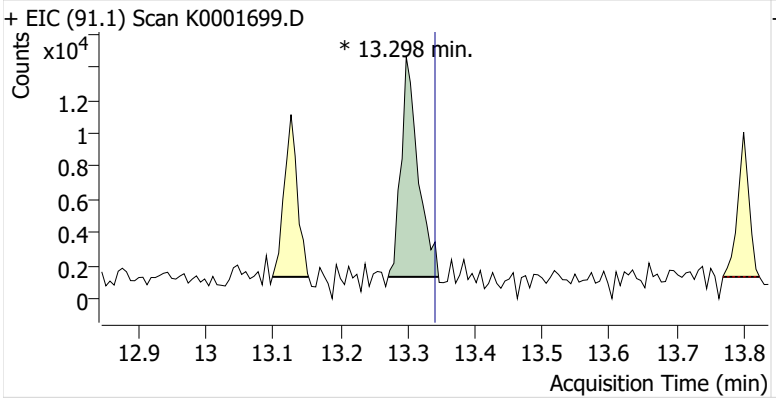


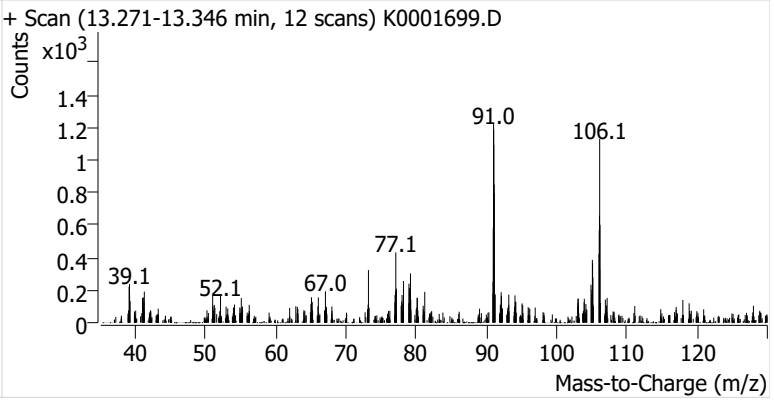
Ethylbenzene



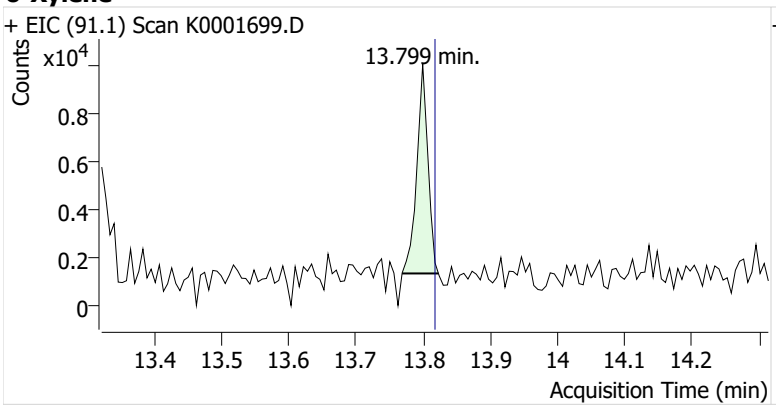


m-/p-Xylene





o-Xylene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13.799 min.
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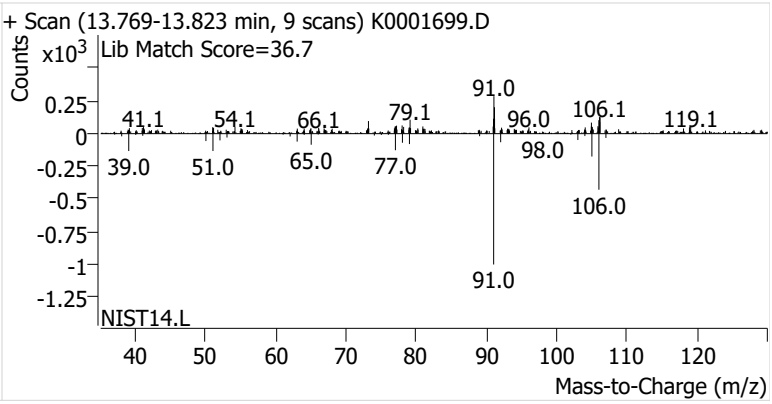
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.769-13.823 min, 9 scans) K0001699.D
Lib Match Score=36.7
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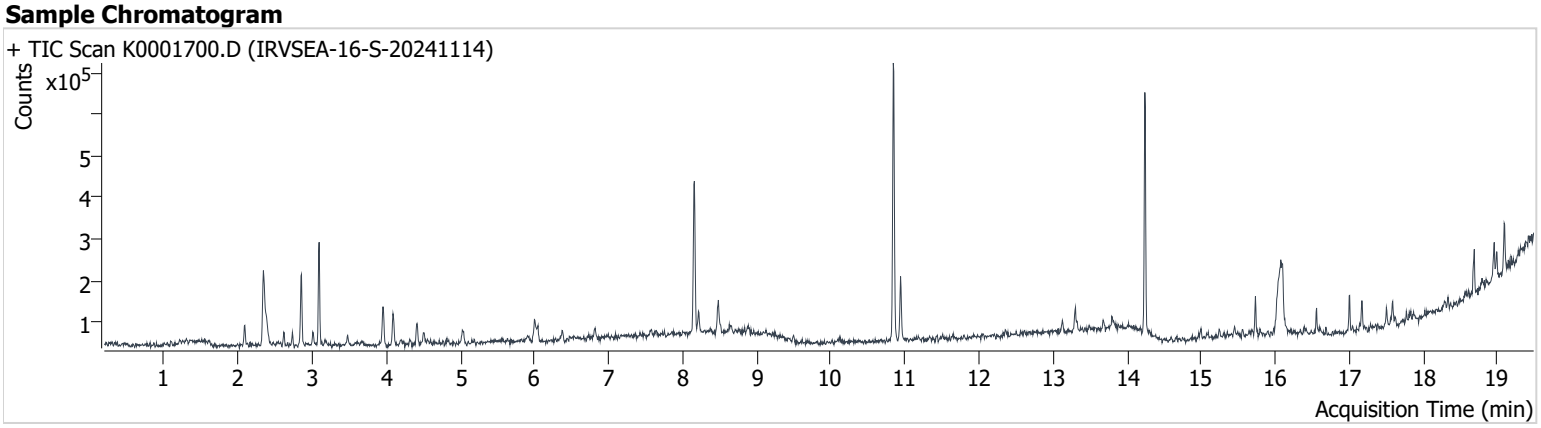
0
-0.25
-0.5
-0.75
-1
-1.25
41.1
54.1
66.1
79.1
91.0
96.0
106.1
119.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

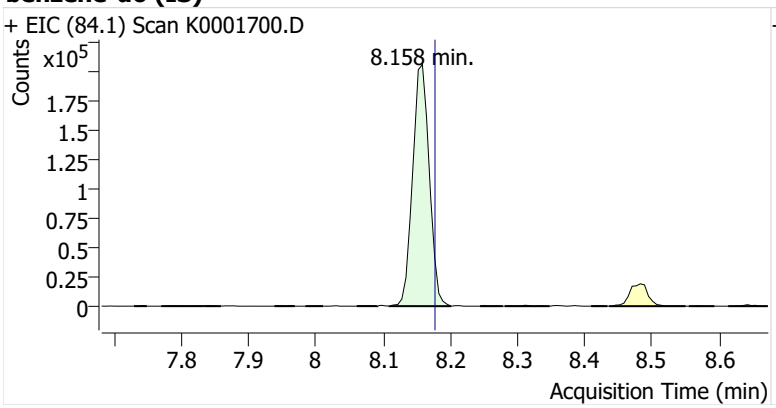
Name	IRVSEA-16-S-20241114
Comment	C40591
Data File	K0001700.D
Acq. Date-Time	12/3/2024 10:54:53 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

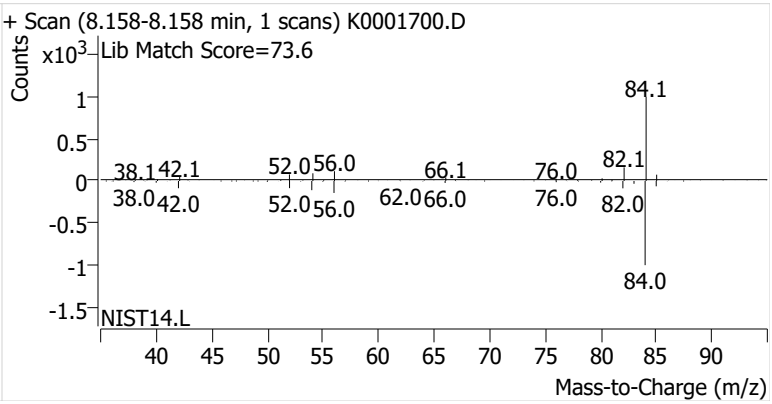
Sample Chromatogram



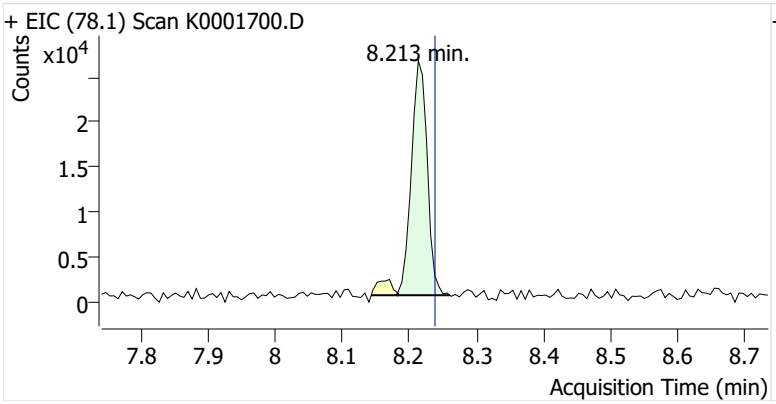
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	353,792	
Benzene	benzene-d6 (IS)	8.213	8.238	42,624	
Toluene-d8 (IS)		10.850	10.869	437,641	
Toluene	Toluene-d8 (IS)	10.942	10.967	102,425	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	16,191	
m-/p-Xylene	Toluene-d8 (IS)	13.303	13.340	33,841	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	13,095	

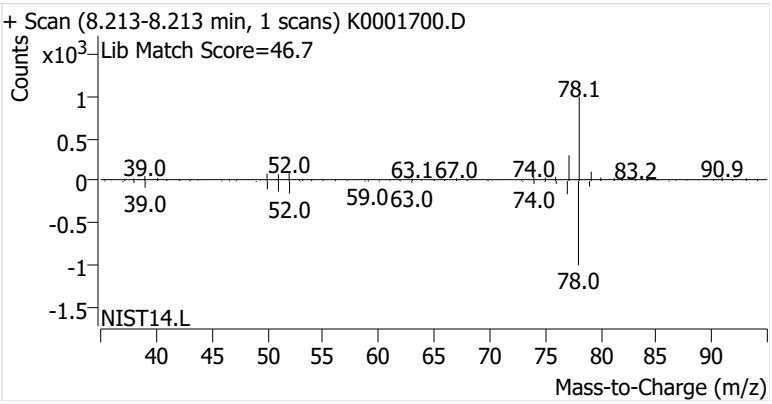
benzene-d6 (IS)



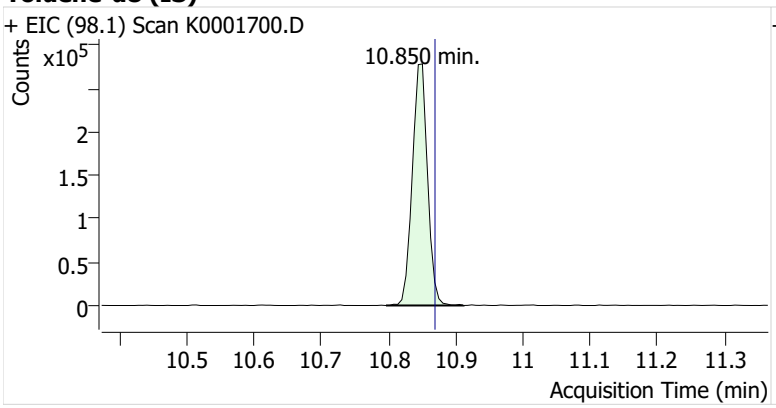


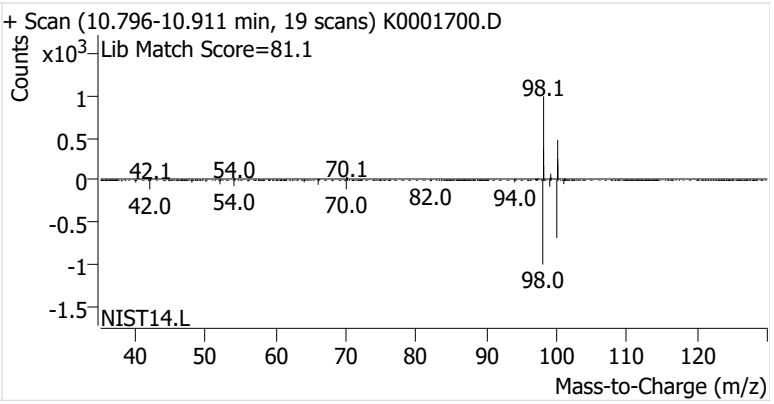
Benzene



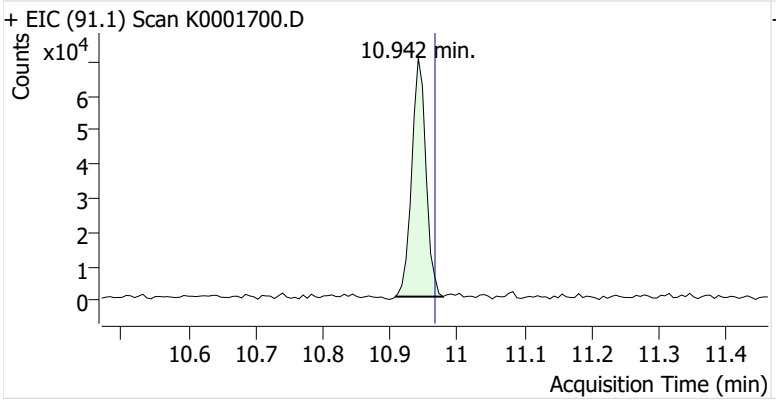


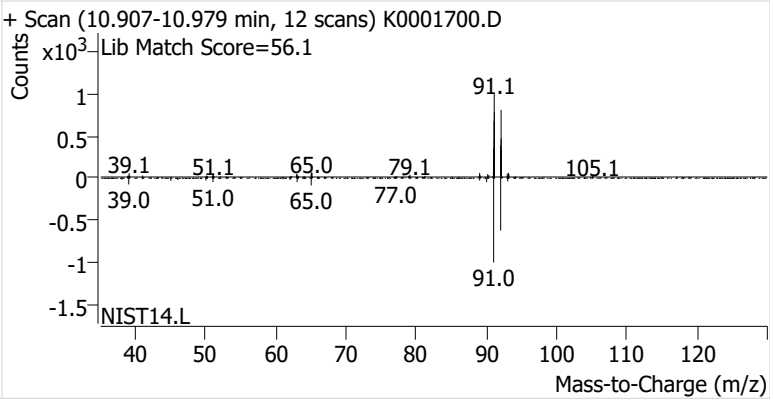
Toluene-d8 (IS)



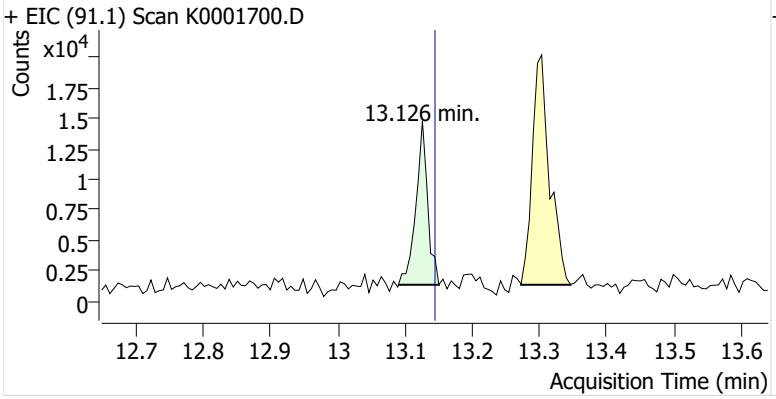


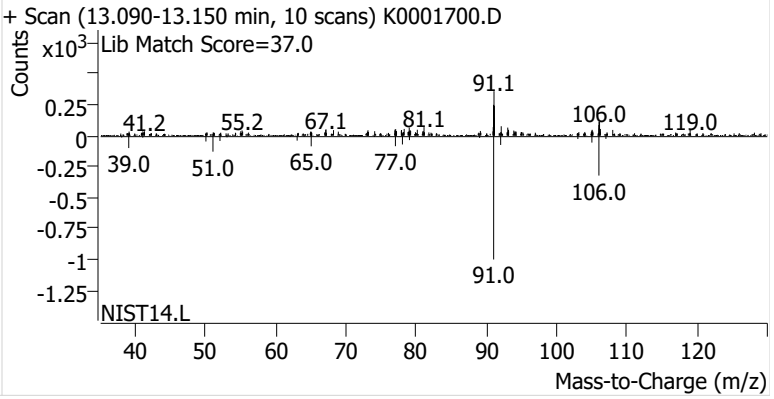
Toluene



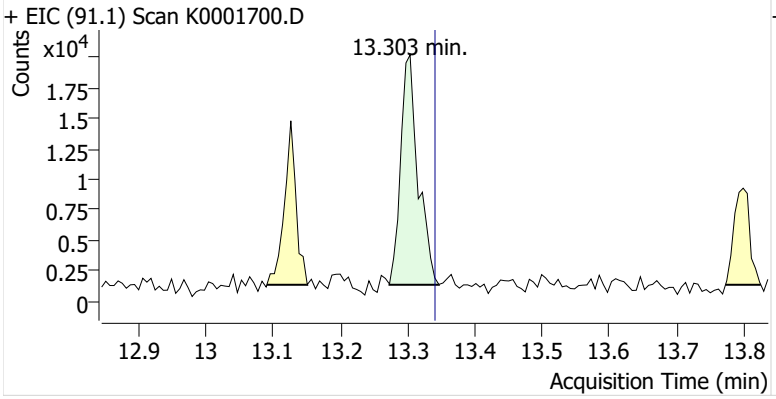


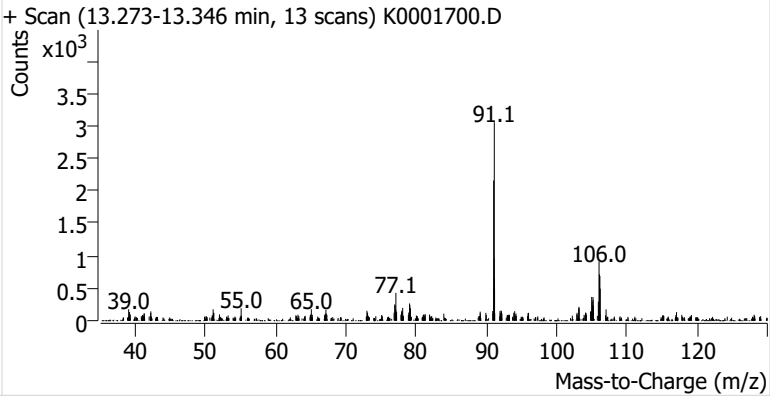
Ethylbenzene



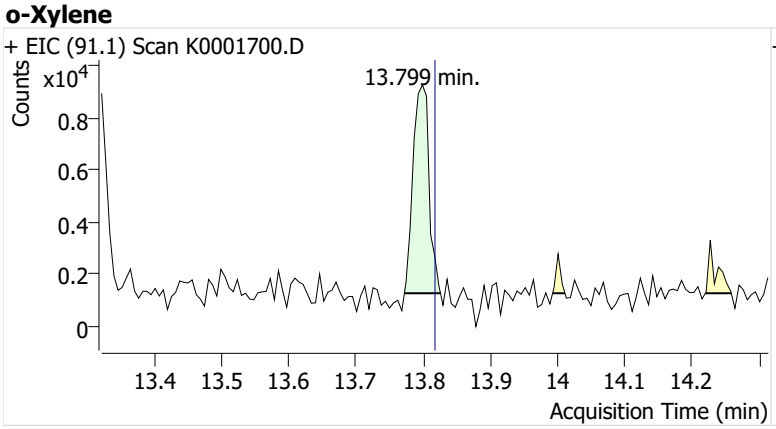


m-/p-Xylene





o-Xylene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x10^4
13.799 min.
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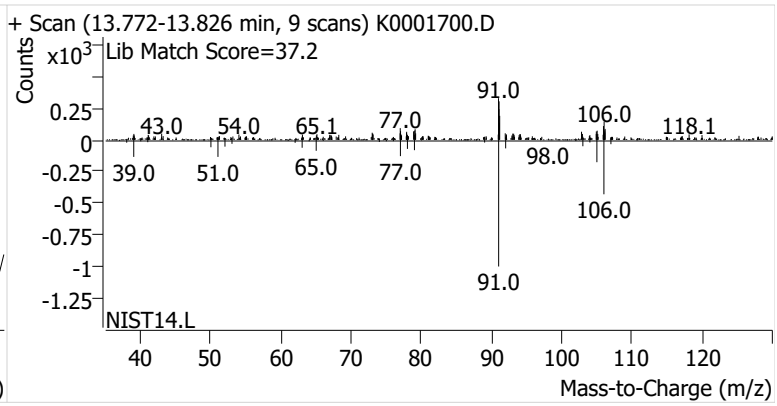
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)


+ Scan (13.772-13.826 min, 9 scans) K0001700.D
Lib Match Score=37.2
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-0.75
-1
-1.25
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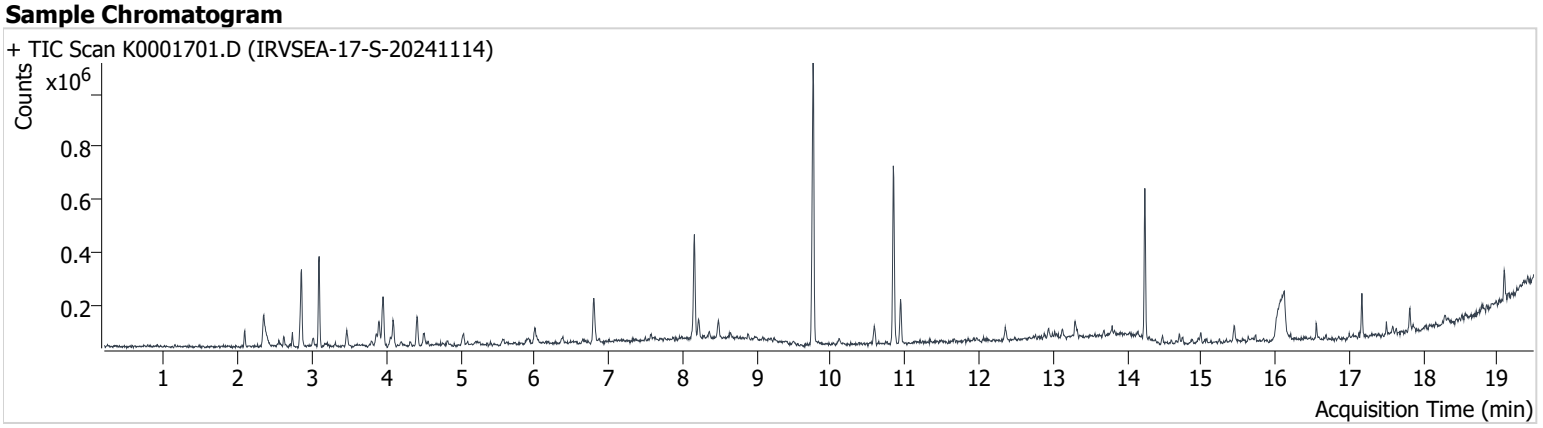
43.0
54.0
65.1
77.0
106.0
118.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

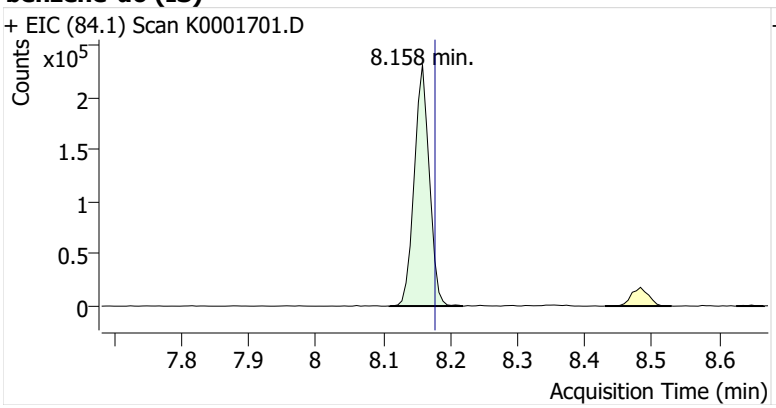
Name	IRVSEA-17-S-20241114
Comment	B14268
Data File	K0001701.D
Acq. Date-Time	12/3/2024 11:22:29 PM
Acq. Method File	M325B-MTD
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

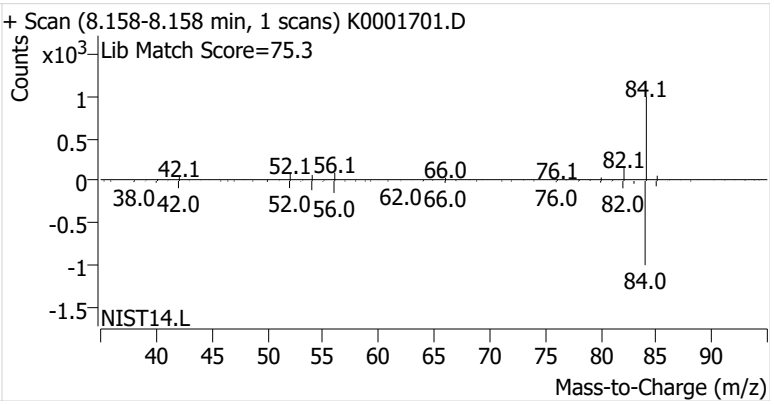
Sample Chromatogram



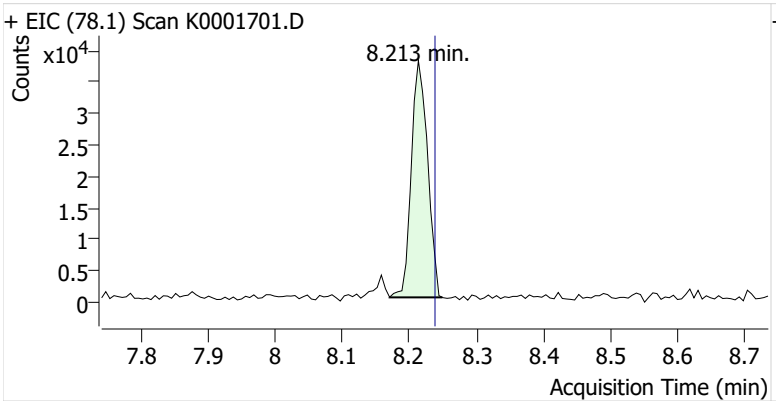
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.158	8.177	359,329	
Benzene	benzene-d6 (IS)	8.213	8.238	63,292	
Toluene-d8 (IS)		10.844	10.869	439,586	
Toluene	Toluene-d8 (IS)	10.942	10.967	115,120	
Ethylbenzene	Toluene-d8 (IS)	13.126	13.145	18,817	
m-/p-Xylene	Toluene-d8 (IS)	13.303	13.340	36,765	
o-Xylene	Toluene-d8 (IS)	13.799	13.818	13,024	

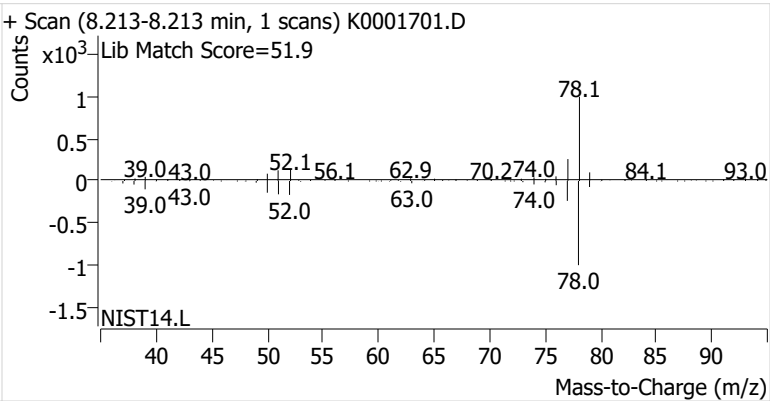
benzene-d6 (IS)



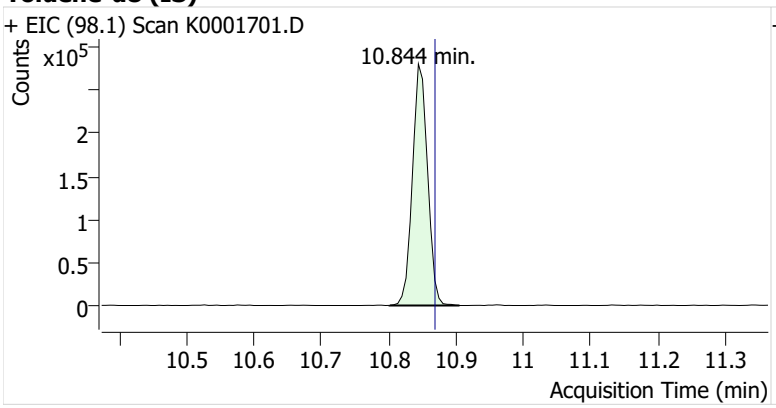


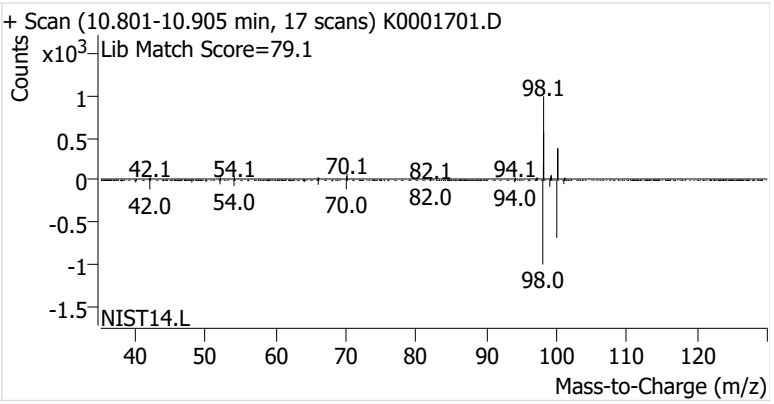
Benzene



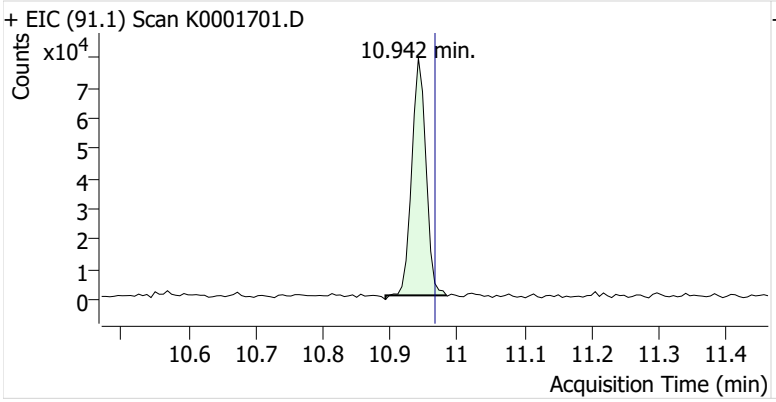


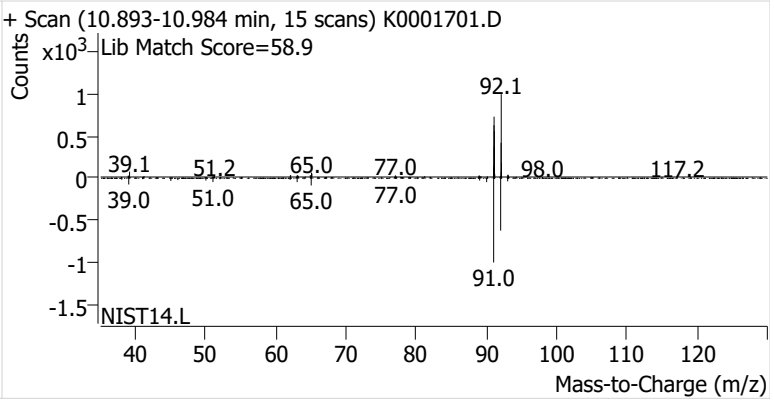
Toluene-d8 (IS)



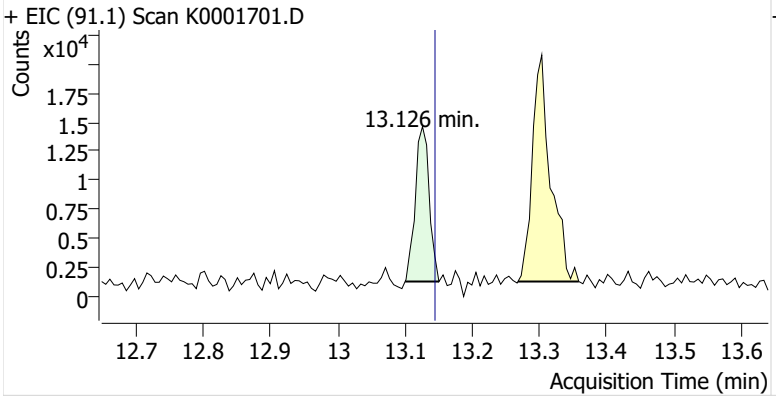


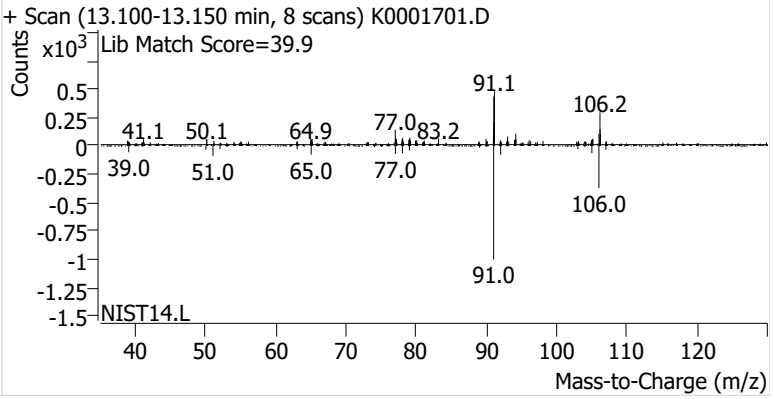
Toluene



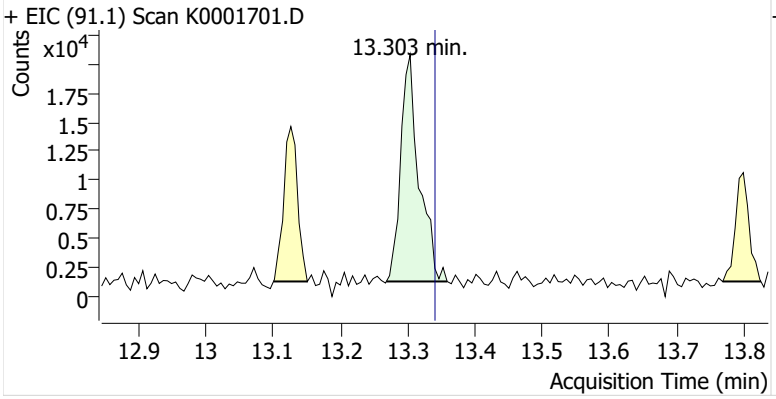


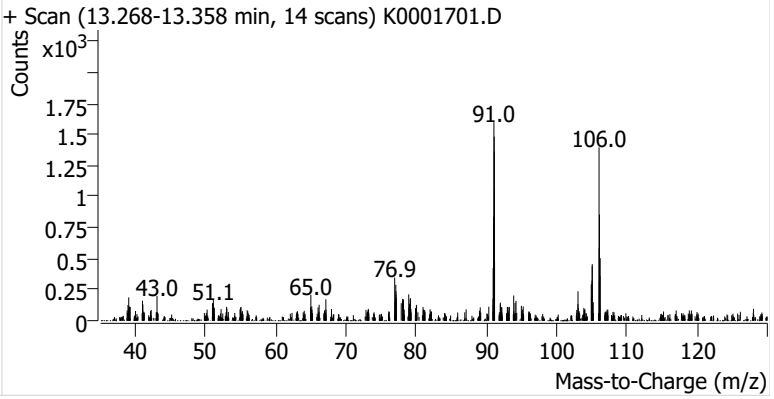
Ethylbenzene



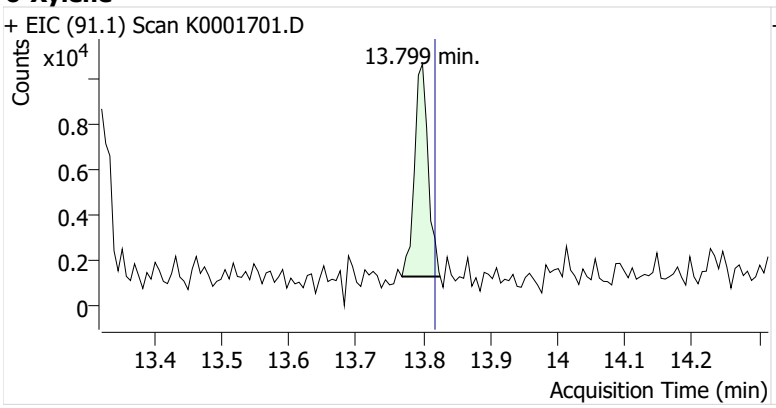


m-/p-Xylene





o-Xylene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x10^4
13.799 min.
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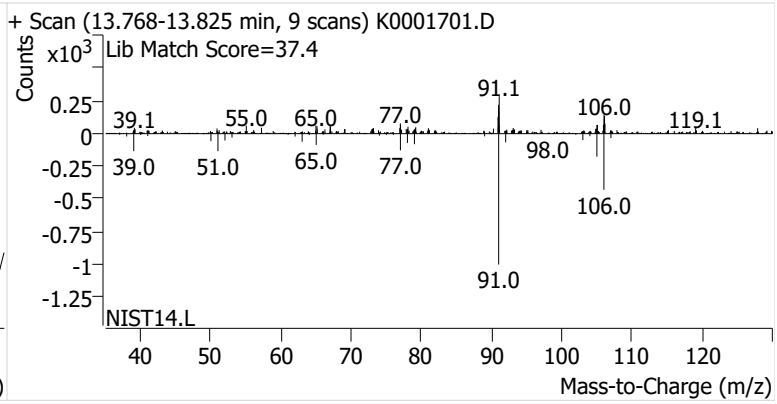
0.6
0.4
0.2
0
13.4 13.5 13.6 13.7 13.8 13.9 14 14.1 14.2
Acquisition Time (min)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-1
-1.25
39.1
55.0
65.0
77.0
91.1
106.0
119.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
NIST14.L
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.287	1.340	1.287	-4.0%	-9.3%		Pass	
2024GG405 Method Blank-1	Blank		1.340	1.287			3.2%	Pass	ND
M325B CCV 5	Check	1.239	1.340	1.287	-7.5%		-4.6%	Pass	
M325B CCV 5	Check	1.241	1.340	1.287	-7.4%		-5.8%	Pass	
M325B CCV 5	Check	1.268	1.340	1.287	-5.3%		-9.8%	Pass	
M325B CCV 5	Check	1.276	1.340	1.287	-4.8%		-13%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.820	1.828	1.820	-0.43%	-8.9%		Pass	
2024GG405 Method Blank-1	Blank		1.828	1.820			4.5%	Pass	ND
M325B CCV 5	Check	1.659	1.828	1.820	-9.3%		6.6%	Pass	
M325B CCV 5	Check	1.633	1.828	1.820	-11%		4.5%	Pass	
M325B CCV 5	Check	1.554	1.828	1.820	-15%		4.8%	Pass	
M325B CCV 5	Check	1.574	1.828	1.820	-14%		2.5%	Pass	

m-/p-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.507	1.361	1.507	11%	-9.4%		Pass	
2024GG405 Method Blank-1	Blank		1.361	1.507			4.5%	Pass	ND
M325B CCV 5	Check	1.388	1.361	1.507	2.0%		6.6%	Pass	
M325B CCV 5	Check	1.355	1.361	1.507	-0.45%		4.5%	Pass	
M325B CCV 5	Check	1.246	1.361	1.507	-8.5%		4.8%	Pass	
M325B CCV 5	Check	1.292	1.361	1.507	-5.1%		2.5%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.504	1.396	1.504	7.8%	-8.9%		Pass	
2024GG405 Method Blank-1	Blank		1.396	1.504			4.5%	Pass	ND
M325B CCV 5	Check	1.349	1.396	1.504	-3.3%		6.6%	Pass	
M325B CCV 5	Check	1.317	1.396	1.504	-5.6%		4.5%	Pass	
M325B CCV 5	Check	1.224	1.396	1.504	-12%		4.8%	Pass	
M325B CCV 5	Check	1.283	1.396	1.504	-8.1%		2.5%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.606	1.569	1.606	2.4%	-8.9%		Pass	
2024GG405 Method Blank-1	Blank		1.569	1.606			4.5%	Pass	ND
M325B CCV 5	Check	1.438	1.569	1.606	-8.4%		6.6%	Pass	
M325B CCV 5	Check	1.410	1.569	1.606	-10%		4.5%	Pass	
M325B CCV 5	Check	1.366	1.569	1.606	-13%		4.8%	Pass	
M325B CCV 5	Check	1.379	1.569	1.606	-12%		2.5%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG405-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K091324C HBTEX_R1.quantmethod.xml	Benzene	1	K0000156.D	4.98	53970	54.6	426953	1.385	3.4%
K091324C HBTEX_R1.quantmethod.xml	Benzene	2	K0000157.D	9.97	117471	54.6	423713	1.519	13%
K091324C HBTEX_R1.quantmethod.xml	Benzene	3	K0000158.D	19.94	217394	54.6	422290	1.410	5.2%
K091324C HBTEX_R1.quantmethod.xml	Benzene	4	K0000159.D	39.87	435967	54.6	418214	1.427	6.5%
K091324C HBTEX_R1.quantmethod.xml	Benzene	5	K0000160.D	99.68	1042392	54.6	422029	1.353	0.98%
K091324C HBTEX_R1.quantmethod.xml	Benzene	6	K0000161.D	199.36	2012379	54.6	418665	1.316	-1.7%
K091324C HBTEX_R1.quantmethod.xml	Benzene	7	K0000162.D	598.09	4460484	54.6	420310	0.969	-28%
						Avg:	421739	1.340	
						%RSD:	0.72%	13%	
K091324C HBTEX_R1.quantmethod.xml	Ethylbenzene	1	K0000156.D	5.18	68005	64.4	430890	1.963	7.4%
K091324C HBTEX_R1.quantmethod.xml	Ethylbenzene	2	K0000157.D	10.36	140993	64.4	451748	1.941	6.2%
K091324C HBTEX_R1.quantmethod.xml	Ethylbenzene	3	K0000158.D	20.72	279725	64.4	454255	1.915	4.7%
K091324C HBTEX_R1.quantmethod.xml	Ethylbenzene	4	K0000159.D	41.44	555830	64.4	460380	1.877	2.7%
K091324C HBTEX_R1.quantmethod.xml	Ethylbenzene	5	K0000160.D	103.60	1284474	64.4	469763	1.700	-7.0%
K091324C HBTEX_R1.quantmethod.xml	Ethylbenzene	6	K0000161.D	207.21	2359209	64.4	466740	1.572	-14%
						Avg:	455629	1.828	
						%RSD:	3.1%	8.6%	

K091324C HBTEX_R1.quantmethod.xml	m-/p-Xylene	1	K0000156.D	4.89	44218	64.4	430890	1.351	-0.73%
K091324C HBTEX_R1.quantmethod.xml	m-/p-Xylene	2	K0000157.D	9.78	98695	64.4	451748	1.439	5.7%
K091324C HBTEX_R1.quantmethod.xml	m-/p-Xylene	3	K0000158.D	19.57	202684	64.4	454255	1.469	7.9%
K091324C HBTEX_R1.quantmethod.xml	m-/p-Xylene	4	K0000159.D	39.14	409796	64.4	460380	1.465	7.6%
K091324C HBTEX_R1.quantmethod.xml	m-/p-Xylene	5	K0000160.D	97.85	954019	64.4	469763	1.337	-1.8%
K091324C HBTEX_R1.quantmethod.xml	m-/p-Xylene	6	K0000161.D	195.70	1852548	64.4	466740	1.307	-4.0%
K091324C HBTEX_R1.quantmethod.xml	m-/p-Xylene	7	K0000162.D	587.09	5010845	64.4	473698	1.161	-15%
						Avg:	458211	1.361	
						%RSD:	3.2%	8.1%	

K091324C HBTEX_R1.quantmethod.xml	o-Xylene	1	K0000156.D	5.10	47539	64.4	430890	1.393	-0.18%
K091324C HBTEX_R1.quantmethod.xml	o-Xylene	2	K0000157.D	10.21	106292	64.4	451748	1.485	6.4%
K091324C HBTEX_R1.quantmethod.xml	o-Xylene	3	K0000158.D	20.41	211162	64.4	454255	1.467	5.1%
K091324C HBTEX_R1.quantmethod.xml	o-Xylene	4	K0000159.D	40.82	430029	64.4	460380	1.474	5.6%
K091324C HBTEX_R1.quantmethod.xml	o-Xylene	5	K0000160.D	102.05	963368	64.4	469763	1.295	-7.2%
K091324C HBTEX_R1.quantmethod.xml	o-Xylene	6	K0000161.D	204.11	1860527	64.4	466740	1.258	-9.8%
						Avg:	455629	1.396	
						%RSD:	3.1%	7.1%	

K091324C HBTEX_R1.quantmethod.xml	Toluene	1	K0000156.D	5.39	60741	64.4	430890	1.685	7.4%
K091324C HBTEX_R1.quantmethod.xml	Toluene	2	K0000157.D	10.78	123928	64.4	451748	1.640	4.5%
K091324C HBTEX_R1.quantmethod.xml	Toluene	3	K0000158.D	21.56	246848	64.4	454255	1.624	3.5%
K091324C HBTEX_R1.quantmethod.xml	Toluene	4	K0000159.D	43.11	491226	64.4	460380	1.595	1.6%
K091324C HBTEX_R1.quantmethod.xml	Toluene	5	K0000160.D	107.78	1153960	64.4	469763	1.468	-6.4%
K091324C HBTEX_R1.quantmethod.xml	Toluene	6	K0000161.D	215.57	2187840	64.4	466740	1.401	-11%
						Avg:	455629	1.569	
						%RSD:	3.1%	7.0%	
K091324C HBTEX_R1.quantmethod.xml	Benzene	ICV	K0000163.D	64.50	630072	54.6	427126	1.249	-6.8%
K091324C HBTEX_R1.quantmethod.xml	Ethylbenzene	ICV	K0000163.D	86.60	937378	64.4	475697	1.466	-20%
K091324C HBTEX_R1.quantmethod.xml	m-/p-Xylene	ICV	K0000163.D	90.14	741782	64.4	475697	1.115	-18%
K091324C HBTEX_R1.quantmethod.xml	o-Xylene	ICV	K0000163.D	88.73	717484	64.4	475697	1.095	-22%
K091324C HBTEX_R1.quantmethod.xml	Toluene	ICV	K0000163.D	76.93	794256	64.4	475697	1.398	-11%

This Is The Last Page Of This Report.

Irving Oil – Searsport

52 Station Ave
Searsport, ME 04974

Sampling Event 7
PROJ-027957

Analytical Report
(2024GG406)

EPA Method 325B
Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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QA Review by Conor Toomey, QA Associate I

Report Issued: 12/27/2024

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
IRVSEA-1-S-20241128	C37011	1.01		0.677		1.31		0.582	J	2.35	
IRVSEA-2-S-20241128	C01323	1.09		0.740		2.07		0.690		2.56	
IRVSEA-2-D-20241128	B28151	1.24		0.882		1.69		0.584	J	2.93	
IRVSEA-2-B-20241128	C35847		ND		ND		ND		ND	0.300	J
IRVSEA-3-S-20241128	C16102	1.37		1.33		3.89		1.51		4.93	
IRVSEA-4-S-20241128	C17145	1.23		1.06		2.48		0.958		3.57	
IRVSEA-5-S-20241128	C00780	1.57		1.39		3.66		1.53		5.23	
IRVSEA-6-S-20241128	B15504	1.89		1.22		3.31		1.14		5.33	
IRVSEA-7-S-20241128	C43279	2.11		2.49		8.31		3.55		9.31	
IRVSEA-8-S-20241128	C43361	2.41		2.83		11.1		3.83		12.1	
IRVSEA-8-D-20241128	C01376	2.60		2.67		9.78		3.64		12.2	
IRVSEA-8-B-20241128	C43699	0.231	J		ND		ND		ND	0.661	
IRVSEA-9-S-20241128	C24217	1.41		1.07		4.10		1.49		6.06	
IRVSEA-10-S-20241128	C01908	2.06		2.10		7.69		2.68		11.0	
IRVSEA-11-S-20241128	C01353	1.45		1.19		3.83		1.42		6.00	
IRVSEA-12-S-20241128	B17457	1.42		1.34		3.32		1.23		5.42	
IRVSEA-13-S-20241128	C36886	1.08		0.799		2.46		0.849		3.56	
IRVSEA-14-S-20241128	B48134	1.14		0.541	J	1.61		0.577	J	2.59	
IRVSEA-15-S-20241128	C43926	0.906			ND	0.792			ND	2.08	
IRVSEA-16-S-20241128	C01880	0.798		0.437	J	1.19		0.456	J	1.98	
IRVSEA-17-S-20241128	C43681	0.860		0.471	J	1.68		0.579	J	2.23	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241128	C37011	1.01	0.318	13.1	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-2-S-20241128	C01323	1.09	0.342	14.1	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-2-D-20241128	B28151	1.24	0.387	15.9	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-2-B-20241128	C35847				29.2	0.639	20,150	0.194	0.409	0.0608	0.128	ND
IRVSEA-3-S-20241128	C16102	1.37	0.430	17.7	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-4-S-20241128	C17145	1.23	0.385	15.8	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-5-S-20241128	C00780	1.57	0.491	20.2	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-6-S-20241128	B15504	1.89	0.591	24.3	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-7-S-20241128	C43279	2.11	0.661	27.2	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-8-S-20241128	C43361	2.41	0.755	31.1	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-8-D-20241128	C01376	2.60	0.813	33.5	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-8-B-20241128	C43699	0.231	0.0724	2.98	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	J
IRVSEA-9-S-20241128	C24217	1.41	0.443	18.2	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-10-S-20241128	C01908	2.06	0.647	26.6	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-11-S-20241128	C01353	1.45	0.454	18.7	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-12-S-20241128	B17457	1.42	0.446	18.3	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-13-S-20241128	C36886	1.08	0.337	13.9	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-14-S-20241128	B48134	1.14	0.356	14.7	29.2	0.639	20,155	0.194	0.409	0.0608	0.128	
IRVSEA-15-S-20241128	C43926	0.906	0.284	11.7	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-16-S-20241128	C01880	0.798	0.250	10.3	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	
IRVSEA-17-S-20241128	C43681	0.860	0.269	11.1	29.2	0.639	20,150	0.194	0.409	0.0608	0.128	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241128	C37011	0.677	0.156	5.99	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	
IRVSEA-2-S-20241128	C01323	0.740	0.171	6.55	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	
IRVSEA-2-D-20241128	B28151	0.882	0.203	7.80	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	
IRVSEA-2-B-20241128	C35847				29.2	0.439	20,150	0.283	0.613	0.0651	0.141	ND
IRVSEA-3-S-20241128	C16102	1.33	0.306	11.8	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	
IRVSEA-4-S-20241128	C17145	1.06	0.243	9.33	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	
IRVSEA-5-S-20241128	C00780	1.39	0.321	12.3	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	
IRVSEA-6-S-20241128	B15504	1.22	0.281	10.8	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	
IRVSEA-7-S-20241128	C43279	2.49	0.573	22.0	29.2	0.439	20,155	0.283	0.613	0.0651	0.141	
IRVSEA-8-S-20241128	C43361	2.83	0.652	25.0	29.2	0.439	20,155	0.283	0.612	0.0651	0.141	
IRVSEA-8-D-20241128	C01376	2.67	0.616	23.7	29.2	0.439	20,155	0.283	0.612	0.0651	0.141	
IRVSEA-8-B-20241128	C43699				29.2	0.439	20,155	0.283	0.612	0.0651	0.141	ND
IRVSEA-9-S-20241128	C24217	1.07	0.248	9.51	29.2	0.439	20,155	0.283	0.612	0.0651	0.141	
IRVSEA-10-S-20241128	C01908	2.10	0.485	18.6	29.2	0.439	20,155	0.283	0.612	0.0651	0.141	
IRVSEA-11-S-20241128	C01353	1.19	0.275	10.5	29.2	0.439	20,155	0.283	0.612	0.0651	0.141	
IRVSEA-12-S-20241128	B17457	1.34	0.308	11.8	29.2	0.439	20,155	0.283	0.612	0.0651	0.141	
IRVSEA-13-S-20241128	C36886	0.799	0.184	7.07	29.2	0.439	20,155	0.283	0.612	0.0651	0.141	
IRVSEA-14-S-20241128	B48134	0.541	0.125	4.79	29.2	0.439	20,155	0.283	0.612	0.0651	0.141	J
IRVSEA-15-S-20241128	C43926				29.2	0.439	20,150	0.283	0.613	0.0651	0.141	ND
IRVSEA-16-S-20241128	C01880	0.437	0.101	3.87	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	J
IRVSEA-17-S-20241128	C43681	0.471	0.109	4.17	29.2	0.439	20,150	0.283	0.613	0.0651	0.141	J

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241128	C37011	1.31	0.301	11.6	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-2-S-20241128	C01323	2.07	0.478	18.3	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-2-D-20241128	B28151	1.69	0.389	14.9	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-2-B-20241128	C35847				29.2	0.439	20,150	0.283	0.617	0.0651	0.142	ND
IRVSEA-3-S-20241128	C16102	3.89	0.895	34.4	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-4-S-20241128	C17145	2.48	0.571	21.9	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-5-S-20241128	C00780	3.66	0.844	32.4	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-6-S-20241128	B15504	3.31	0.763	29.3	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-7-S-20241128	C43279	8.31	1.91	73.5	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-8-S-20241128	C43361	11.1	2.56	98.5	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-8-D-20241128	C01376	9.78	2.25	86.6	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-8-B-20241128	C43699				29.2	0.439	20,155	0.283	0.617	0.0651	0.142	ND
IRVSEA-9-S-20241128	C24217	4.10	0.946	36.3	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-10-S-20241128	C01908	7.69	1.77	68.0	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-11-S-20241128	C01353	3.83	0.883	33.9	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-12-S-20241128	B17457	3.32	0.765	29.4	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-13-S-20241128	C36886	2.46	0.567	21.8	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-14-S-20241128	B48134	1.61	0.371	14.2	29.2	0.439	20,155	0.283	0.617	0.0651	0.142	
IRVSEA-15-S-20241128	C43926	0.792	0.182	7.00	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-16-S-20241128	C01880	1.19	0.273	10.5	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	
IRVSEA-17-S-20241128	C43681	1.68	0.387	14.9	29.2	0.439	20,150	0.283	0.617	0.0651	0.142	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241128	C37011	0.582	0.134	5.15	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	J
IRVSEA-2-S-20241128	C01323	0.690	0.159	6.10	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	
IRVSEA-2-D-20241128	B28151	0.584	0.135	5.17	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	J
IRVSEA-2-B-20241128	C35847				29.2	0.439	20,150	0.283	0.620	0.0651	0.143	ND
IRVSEA-3-S-20241128	C16102	1.51	0.347	13.3	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	
IRVSEA-4-S-20241128	C17145	0.958	0.221	8.47	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	
IRVSEA-5-S-20241128	C00780	1.53	0.352	13.5	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	
IRVSEA-6-S-20241128	B15504	1.14	0.263	10.1	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	
IRVSEA-7-S-20241128	C43279	3.55	0.817	31.4	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	
IRVSEA-8-S-20241128	C43361	3.83	0.883	33.9	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	
IRVSEA-8-D-20241128	C01376	3.64	0.839	32.2	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	
IRVSEA-8-B-20241128	C43699				29.2	0.439	20,155	0.283	0.620	0.0651	0.143	ND
IRVSEA-9-S-20241128	C24217	1.49	0.342	13.1	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	
IRVSEA-10-S-20241128	C01908	2.68	0.617	23.7	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	
IRVSEA-11-S-20241128	C01353	1.42	0.328	12.6	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	
IRVSEA-12-S-20241128	B17457	1.23	0.283	10.9	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	
IRVSEA-13-S-20241128	C36886	0.849	0.196	7.51	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	
IRVSEA-14-S-20241128	B48134	0.577	0.133	5.10	29.2	0.439	20,155	0.283	0.620	0.0651	0.143	J
IRVSEA-15-S-20241128	C43926				29.2	0.439	20,150	0.283	0.620	0.0651	0.143	ND
IRVSEA-16-S-20241128	C01880	0.456	0.105	4.03	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	J
IRVSEA-17-S-20241128	C43681	0.579	0.133	5.12	29.2	0.439	20,150	0.283	0.620	0.0651	0.143	J

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241128	C37011	2.35	0.624	23.5	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-2-S-20241128	C01323	2.56	0.680	25.6	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-2-D-20241128	B28151	2.93	0.777	29.3	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-2-B-20241128	C35847	0.300	0.0796	3.00	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	J
IRVSEA-3-S-20241128	C16102	4.93	1.31	49.3	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-4-S-20241128	C17145	3.57	0.949	35.7	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-5-S-20241128	C00780	5.23	1.39	52.3	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-6-S-20241128	B15504	5.33	1.42	53.3	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-7-S-20241128	C43279	9.31	2.47	93.2	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-8-S-20241128	C43361	12.1	3.21	121	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-8-D-20241128	C01376	12.2	3.25	122	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-8-B-20241128	C43699	0.661	0.176	6.62	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-9-S-20241128	C24217	6.06	1.61	60.6	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-10-S-20241128	C01908	11.0	2.91	110	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-11-S-20241128	C01353	6.00	1.59	60.1	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-12-S-20241128	B17457	5.42	1.44	54.3	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-13-S-20241128	C36886	3.56	0.946	35.6	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-14-S-20241128	B48134	2.59	0.689	26.0	29.2	0.496	20,155	0.250	0.547	0.0664	0.145	
IRVSEA-15-S-20241128	C43926	2.08	0.552	20.8	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-16-S-20241128	C01880	1.98	0.525	19.8	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	
IRVSEA-17-S-20241128	C43681	2.23	0.593	22.3	29.2	0.496	20,150	0.250	0.548	0.0664	0.145	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		Toluene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m³)	IRVSEA-2-B-20241128	ND	Pass	ND	Pass	0.300	Pass	ND	Pass	ND	Pass
	IRVSEA-8-B-20241128	0.231	Pass	ND	Pass	0.661	Pass	ND	Pass	ND	Pass
Duplicates (difference)	IRVSEA-2-D-20241128	12%	Pass	18%	Pass	13%	Pass	21%	Pass	17%	Pass
	IRVSEA-8-D-20241128	7.5%	Pass	5.6%	Pass	1.1%	Pass	13%	Pass	5.0%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	Irving Oil - Searsport
Project	PROJ-027957
Report #	2024GG406

Custody	Enthalpy Analytical, LLC received the sample tubes on 12/17/24. The samples were received in good condition at a temperature of 16.5 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024GG406

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 3

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave.	**Project Number:**	PROJ - 027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	C37011	S	11/28/24	9:05 AM	12/12/24	8:55 AM	HFB/HFB		
2	C01323	S	11/28/24	9:15 AM	12/12/24	9:05 AM	HFB/HFB		
2	B28151	D	11/28/24	9:15 AM	12/12/24	9:05 AM	HFB/HFB		
2	C35847	B	11/28/24	9:15 AM	12/12/24	9:05 AM	HFB/HFB		
3	C16102	S	11/28/24	9:25 AM	12/12/24	9:15 AM	HFB/HFB		
4	C17145	S	11/28/24	9:30 AM	12/12/24	9:20 AM	HFB/HFB		
5	C00780	S	11/28/24	9:40 AM	12/12/24	9:30 AM	HFB/HFB		
6	B15504	S	11/28/24	9:45 AM	12/12/24	9:35 AM	HFB/HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu	Haig Brochu	12/12/2024	18:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Gillian Cozma		12/17/24	10 am
Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
GOOD		Y	
Ice Temp: / **Blank Temp:** 16.5 / Fluke 7A		**Add Custody Seal # below:** 24GO7014	

Comments:

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

2024GG406

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 3

☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave.	**Project Number:**	PROJ - 027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	C43279	S	11/28/24	9:50 AM	12/12/24	9:45 AM	HFB/HFB		
8	C43361	S	11/28/24	10:00 AM	12/12/24	9:55 AM	HFB/HFB		
8	C01376	D	11/28/24	10:00 AM	12/12/24	9:55 AM	HFB/HFB		
8	C43699	B	11/28/24	10:00 AM	12/12/24	9:55 AM	HFB/HFB		
9	C24217	S	11/28/24	10:10 AM	12/12/24	10:05 AM	HFB/HFB		
10	C01908	S	11/28/24	10:15 AM	12/12/24	10:10 AM	HFB/HFB		
11	C01353	S	11/28/24	10:20 AM	12/12/24	10:15 AM	HFB/HFB		
12	B17457	S	11/28/24	10:25 AM	12/12/24	10:20 AM	HFB/HFB		

Relinquished By (printed):	**Relinquished By (signature):**	**Relinquished Date:**	**Relinquished Time:**
Haig Brochu	Haig Brochu	12/12/2024	18:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Gillian Cozma		12/17/24	10 am
Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
GOOD		Y	
Ice Temp: / **Blank Temp:** 16.5 / Fluke TA		**Add Custody Seal # below:** 24G07014	

Comments:

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EPA Method 325 A/B
Field Test Data Sheet and Chain of Custody Record

ENTHALPY ANALYTICAL

Page #3 of #3

☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

- All TATs Subject to Approval by Enthalpy Analytical, Inc.
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave.	**Project Number:**	PROJ - 027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	C36886	S	11/28/24	10:35 AM	12/12/24	10:30 AM	HFB/HFB		
14	B48134	S	11/28/24	10:40 AM	12/12/24	10:35 AM	HFB/HFB		
15	C43926	S	11/28/24	11:10 AM	12/12/24	11:00 AM	HFB/HFB		
16	C01880	S	11/28/24	11:15 AM	12/12/24	11:05 AM	HFB/HFB		
17	C43681	S	11/28/24	11:20 AM	12/12/24	11:10 AM	HFB/HFB		
							/		
							/		
							/		

Relinquished By (printed):	**Relinquished By (signature):**	**Relinquished Date:**	**Relinquished Time:**
Haig Brochu	Haig Brochu	12/12/2024	18:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Gillian Cozma		12/17/24	10 am
Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
GOOD		Y	
Ice Temp: / **Blank Temp:** 16.5 / Fluke 7A		**Add Custody Seal # below:** 24007014	

Comments:

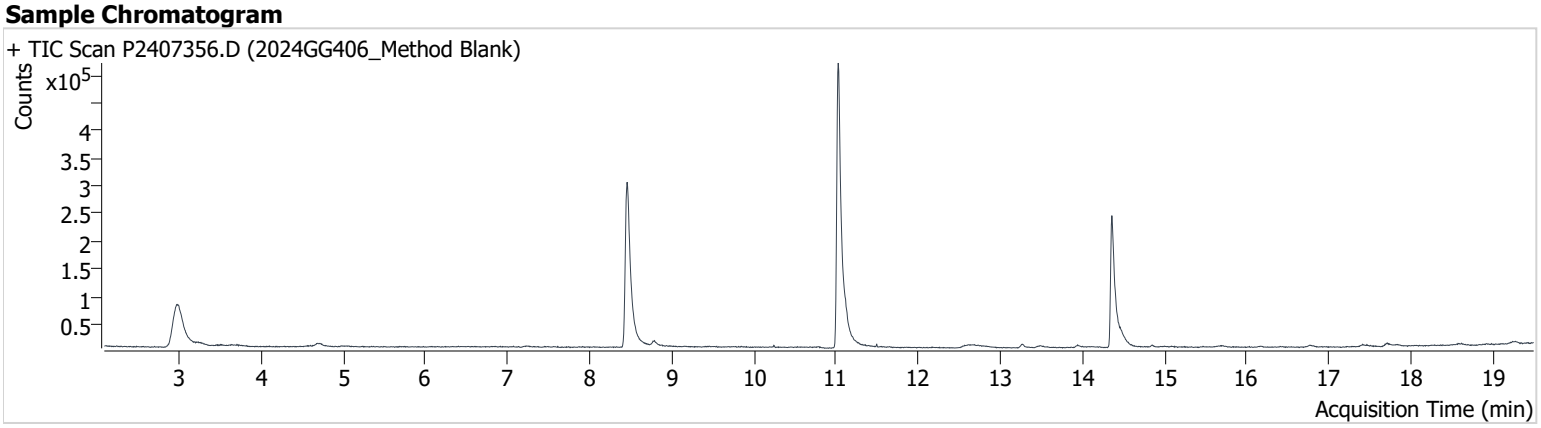
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

Sample Chromatograms

ENTHALPY ANALYTICAL

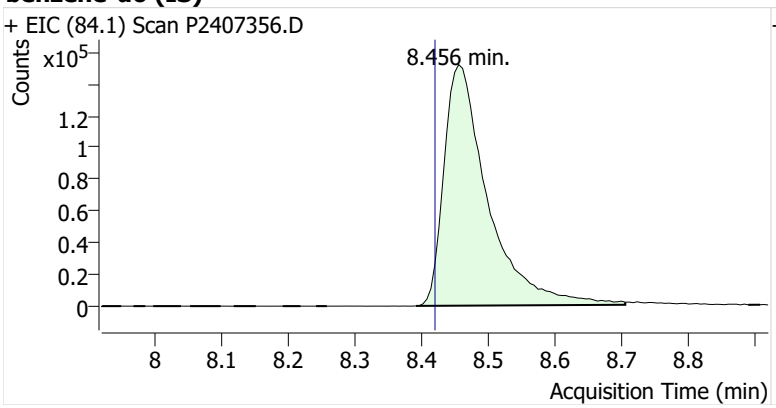
Name	2024GG406_Method Blank
Comment	C34135; Recollect
Data File	P2407356.D
Acq. Date-Time	12/25/2024 2:58:59 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

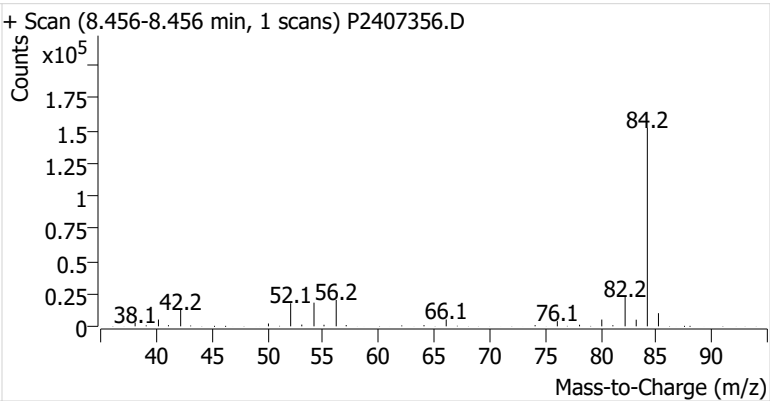
Sample Chromatogram



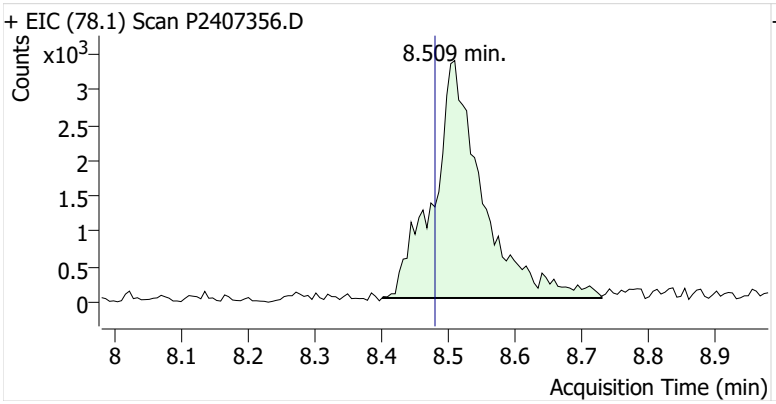
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.420	693,600	
Benzene	benzene-d6 (IS)	8.509	8.480	17,397	
Toluene-d8 (IS)		11.026	10.990	808,975	
Toluene	Toluene-d8 (IS)	11.115	11.085	24,964	
Ethylbenzene	Toluene-d8 (IS)	13.269	13.216	7,478	
m-/p-Xylenes	Toluene-d8 (IS)	13.495	13.418	6,325	
o-Xylene	Toluene-d8 (IS)	13.952	13.887	6,167	

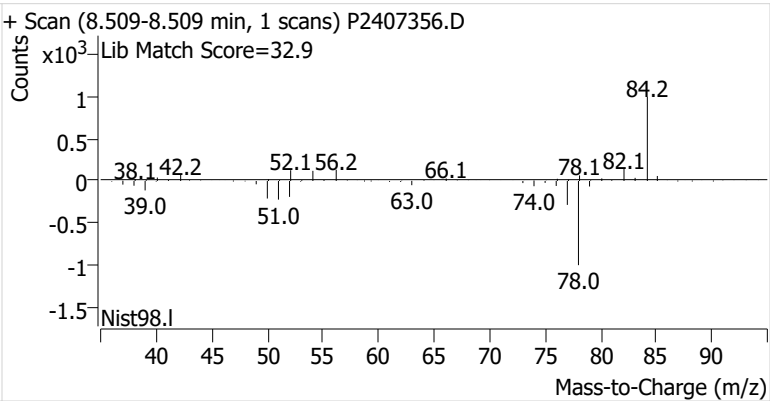
benzene-d6 (IS)



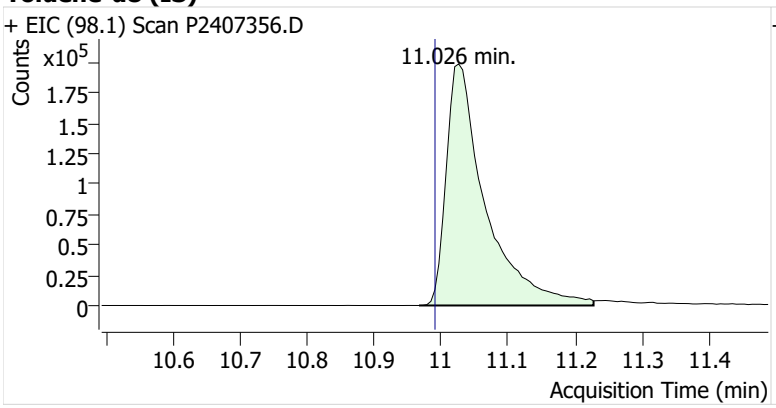


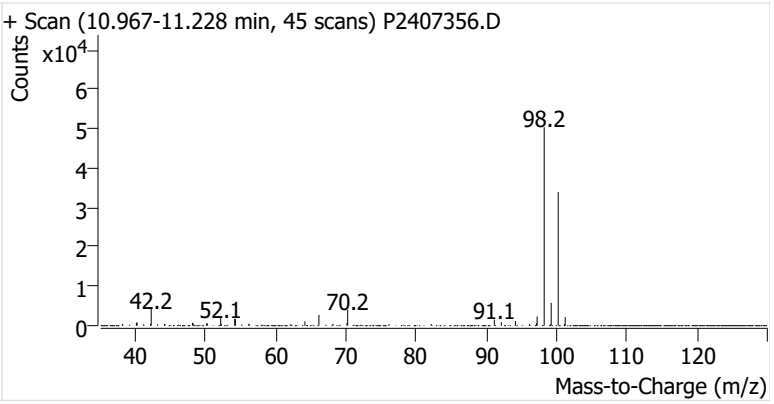
Benzene



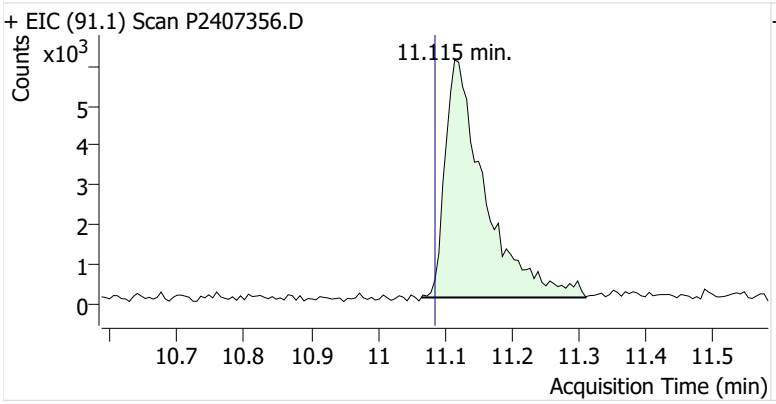


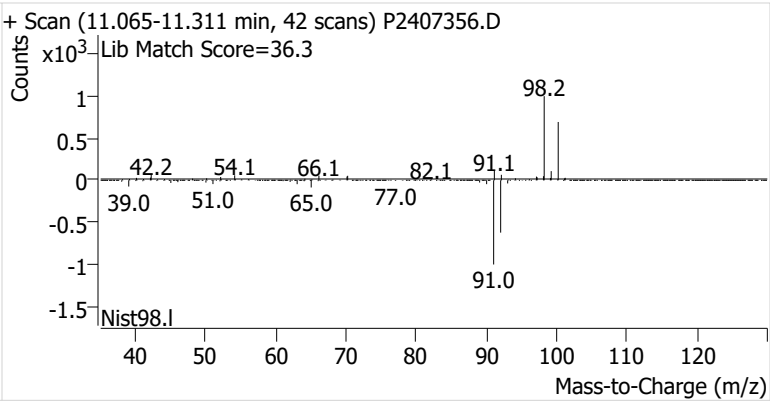
Toluene-d8 (IS)



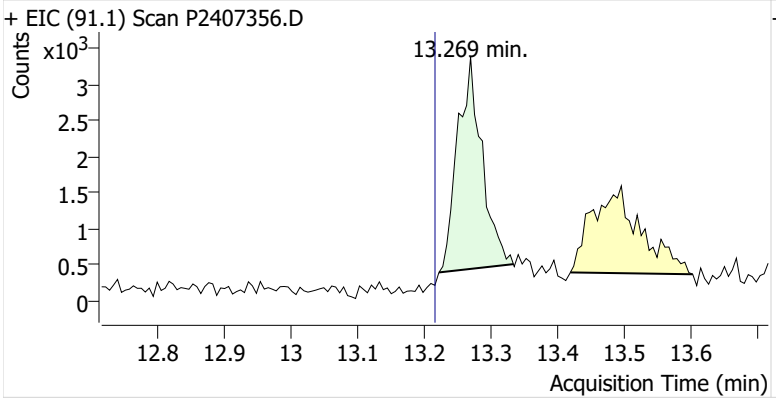


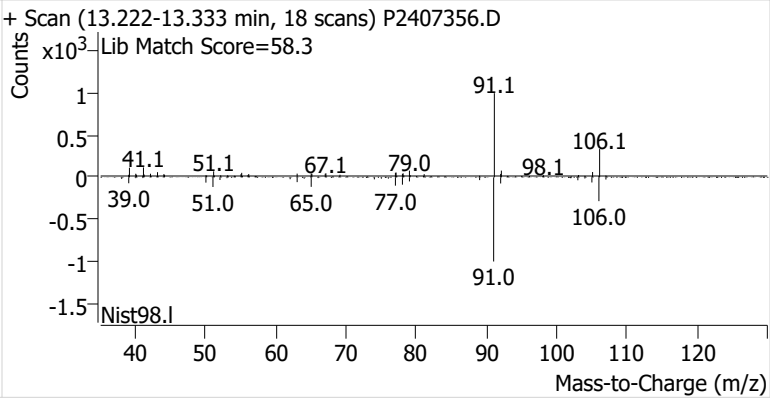
Toluene



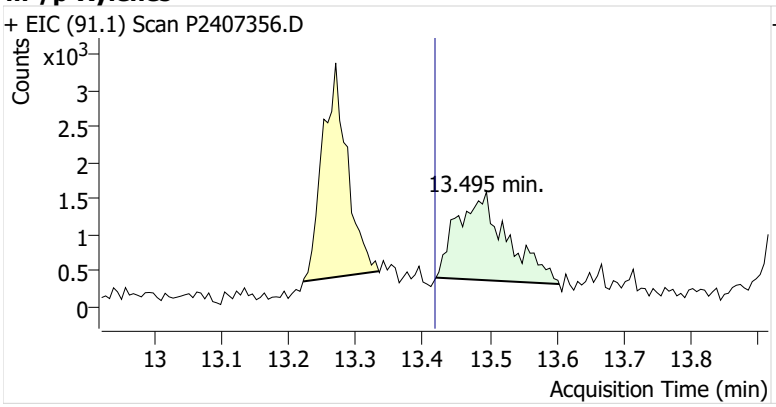


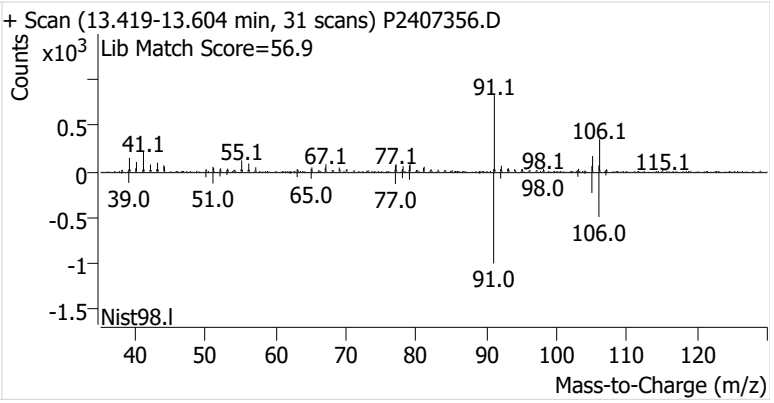
Ethylbenzene



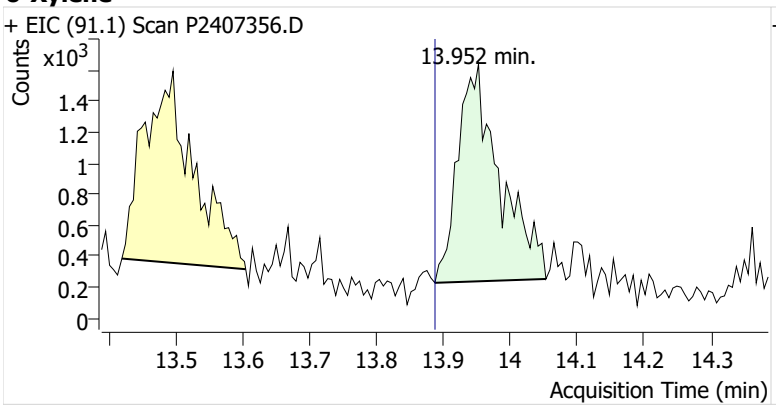


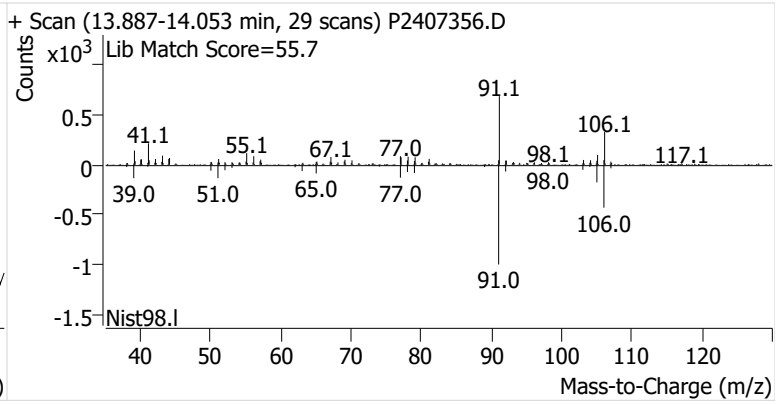
m-/p-Xylenes





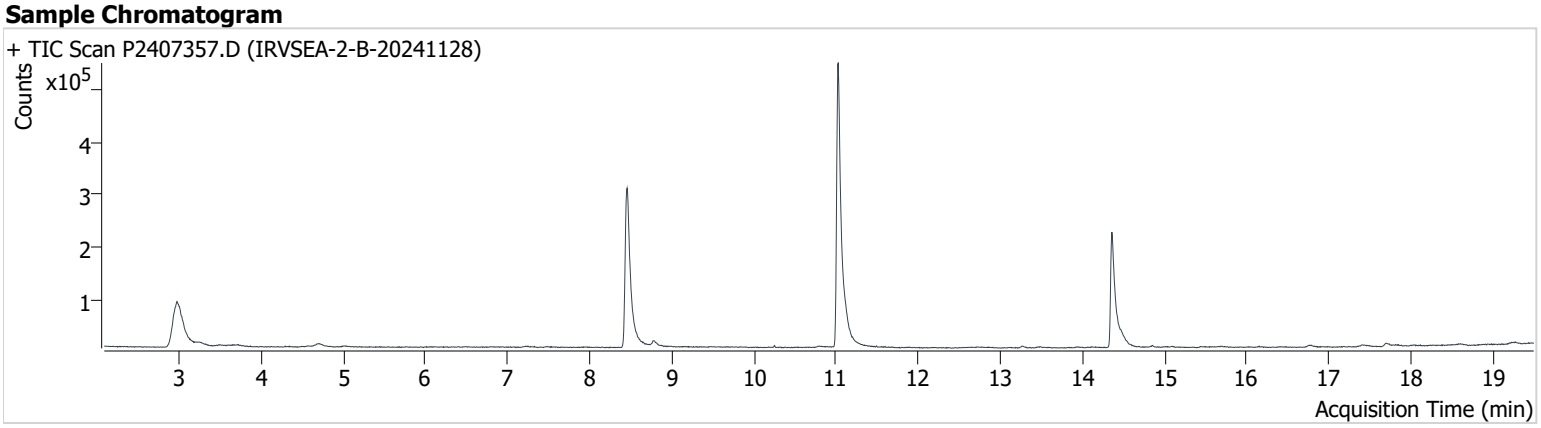
o-Xylene


+ EIC (91.1) Scan P2407356.D
Counts
x10^3
13.952 min.
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.887-14.053 min, 29 scans) P2407356.D
Counts
x10^3
Lib Match Score=55.7
91.1
106.1
41.1
55.1
67.1
77.0
98.1
117.1
98.0
39.0
51.0
65.0
77.0
106.0
0.5
0
-0.5
-1
-1.5
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

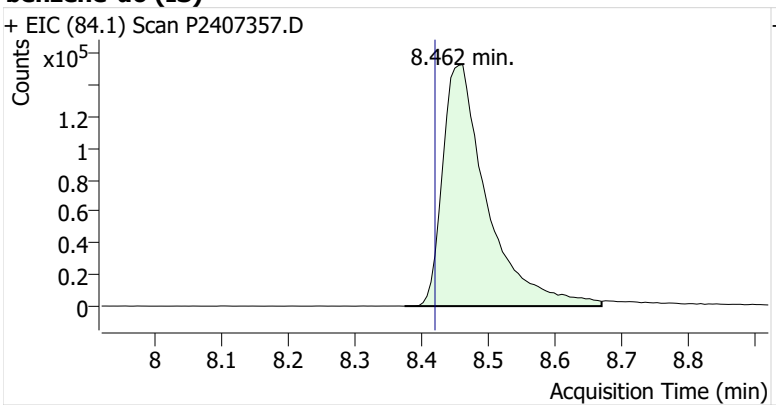
Name	IRVSEA-2-B-20241128
Comment	C35847; Recollect
Data File	P2407357.D
Acq. Date-Time	12/25/2024 3:34:21 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

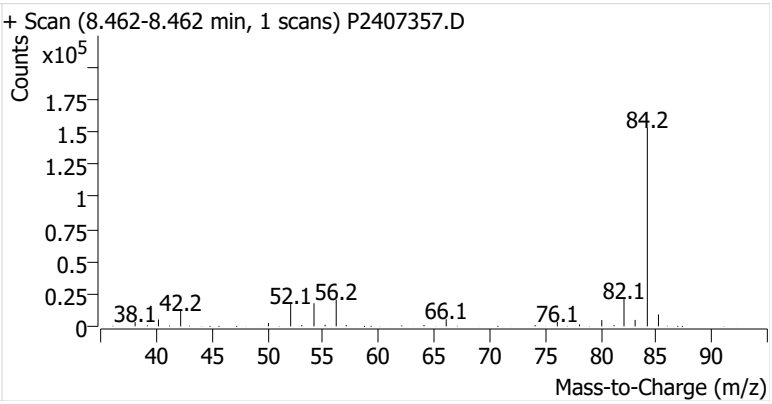
Sample Chromatogram



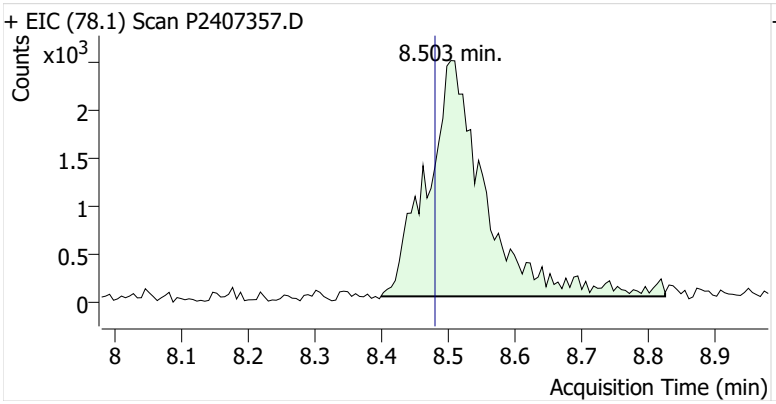
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.462	8.420	705,935	
Benzene	benzene-d6 (IS)	8.503	8.480	15,000	
Toluene-d8 (IS)		11.026	10.990	834,858	
Toluene	Toluene-d8 (IS)	11.115	11.085	21,260	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	3,955	
m-/p-Xylenes	Toluene-d8 (IS)	13.483	13.418	2,695	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	2,132	

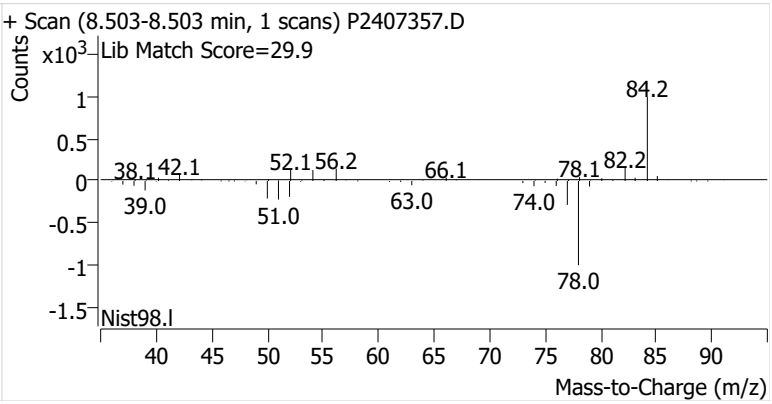
benzene-d6 (IS)



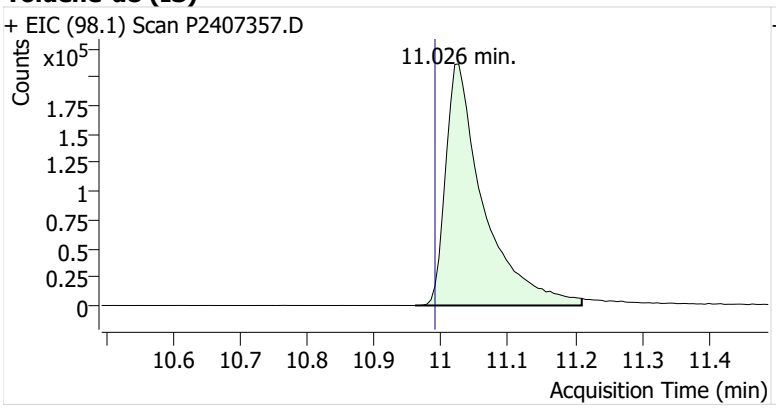


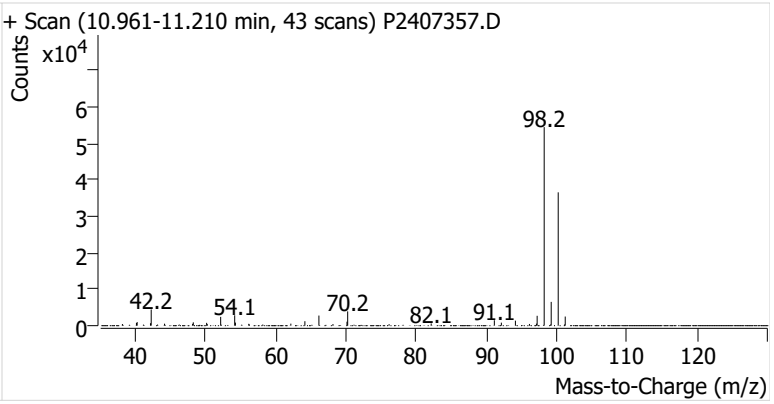
Benzene



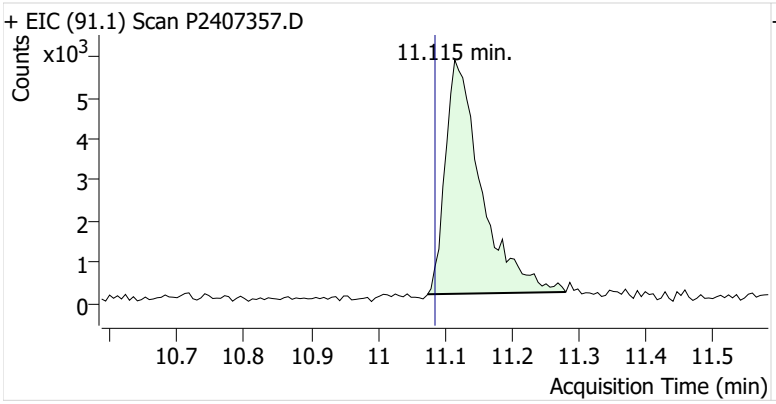


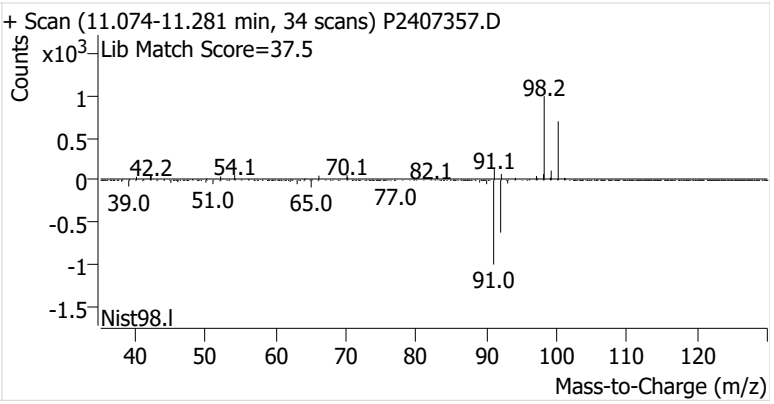
Toluene-d8 (IS)



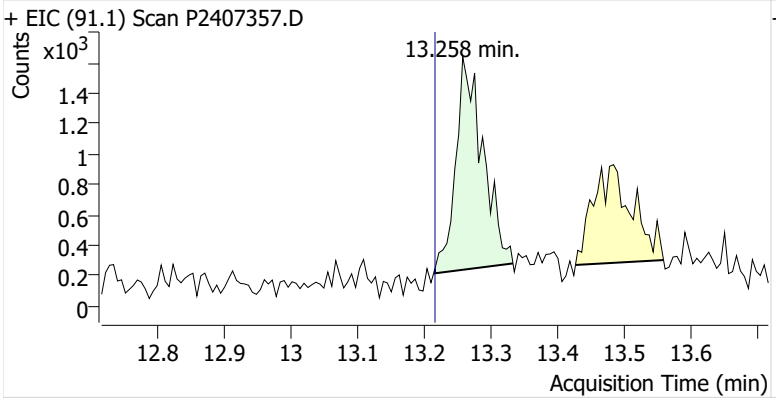


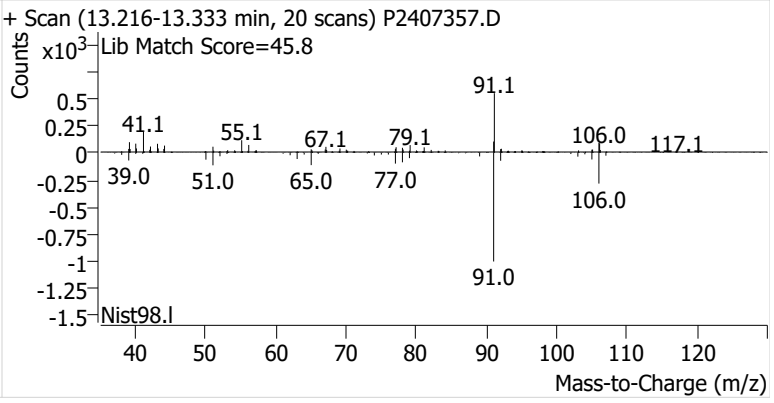
Toluene



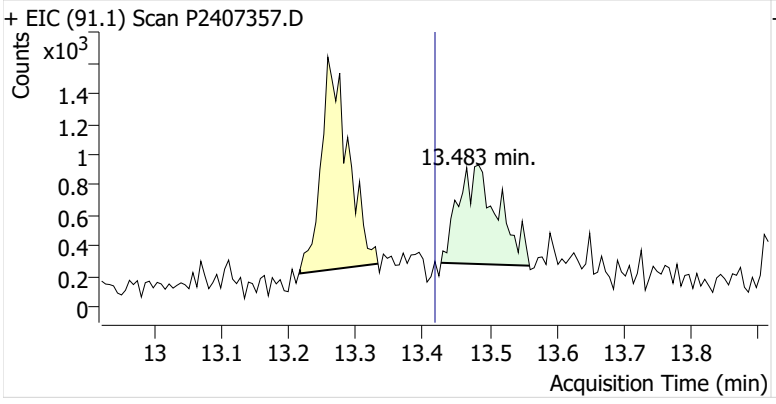


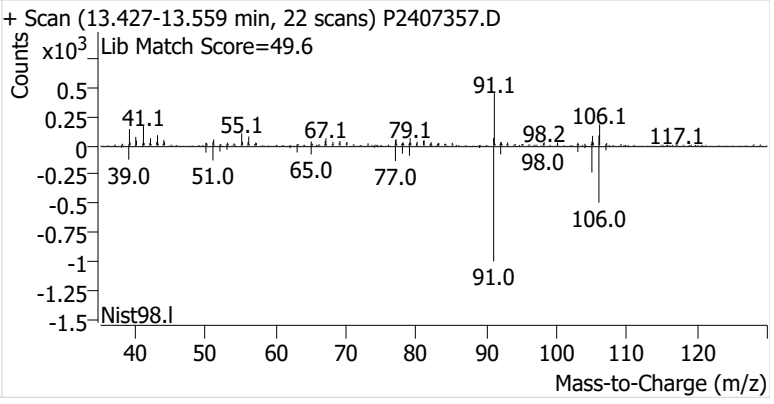
Ethylbenzene



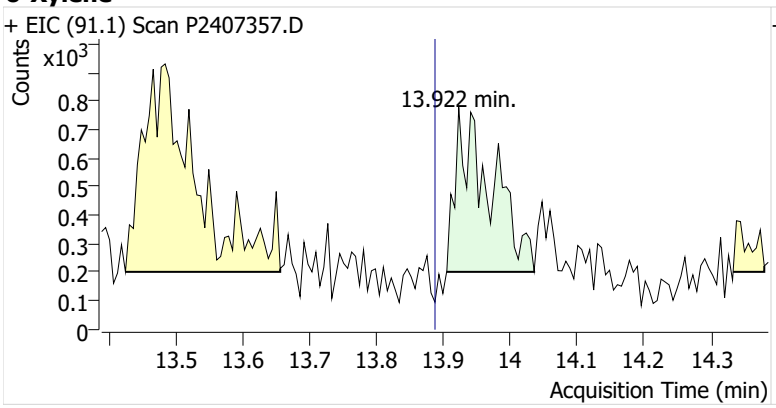


m-/p-Xylenes





o-Xylene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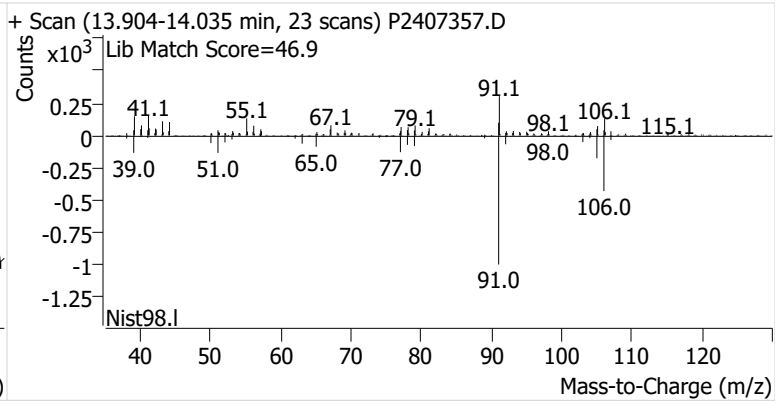
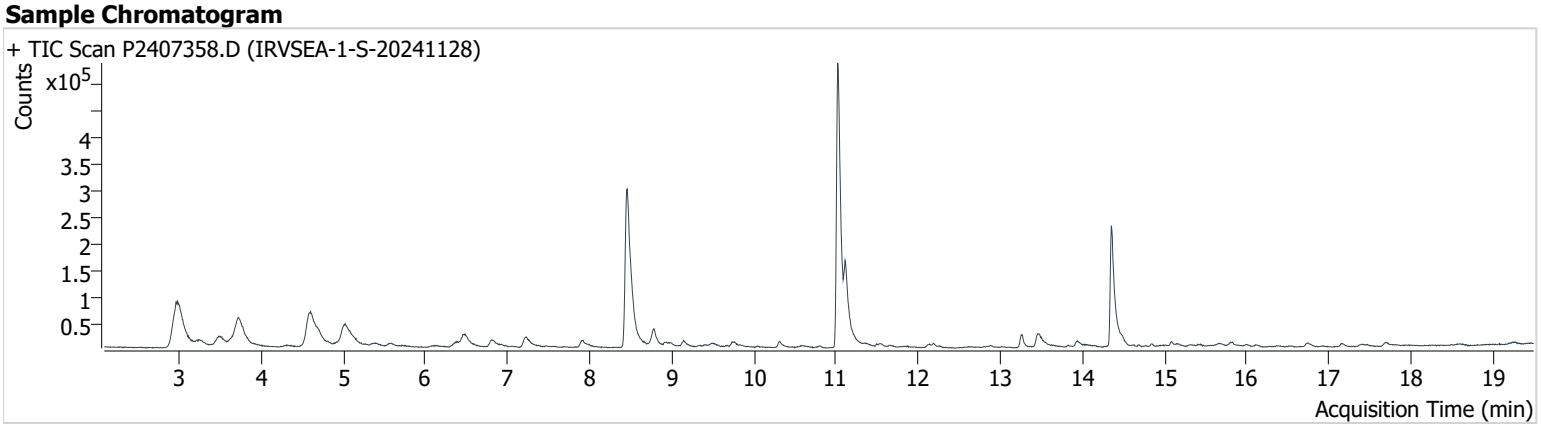
0.6
0.5
0.4
0.3
0.2
0.1
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.904-14.035 min, 23 scans) P2407357.D
Lib Match Score=46.9
Counts
x10^3
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
41.1
55.1
67.1
79.1
91.1
98.1
106.1
115.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

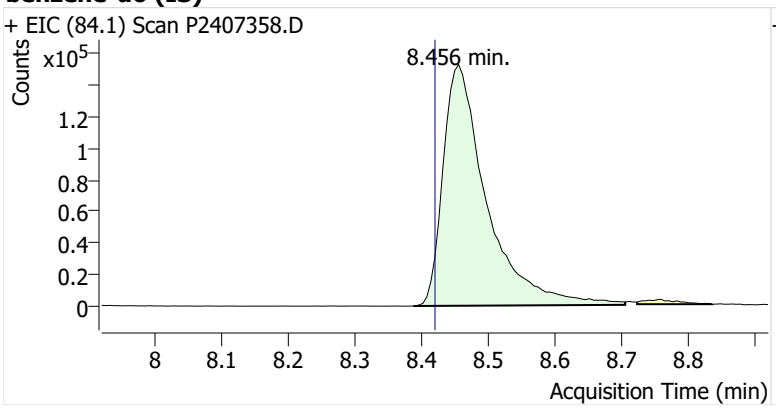
Name	IRVSEA-1-S-20241128
Comment	C37011; Recollect
Data File	P2407358.D
Acq. Date-Time	12/25/2024 4:09:44 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

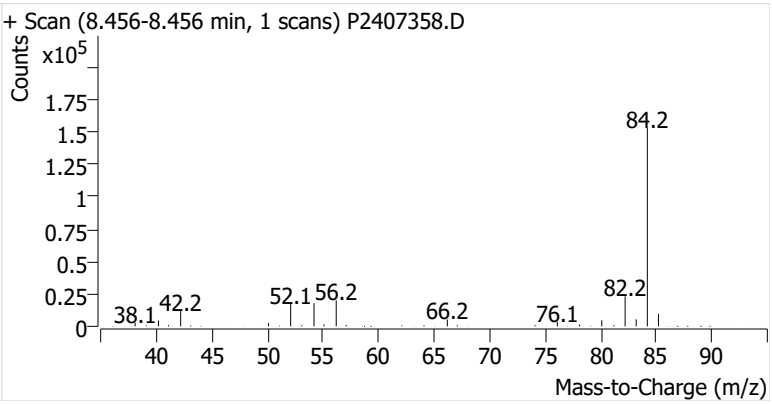
Sample Chromatogram



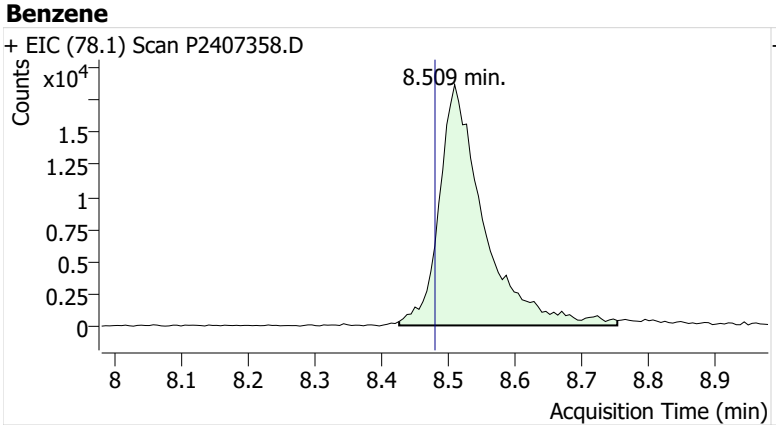
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.420	690,775	
Benzene	benzene-d6 (IS)	8.509	8.480	86,658	
Toluene-d8 (IS)		11.020	10.990	811,743	
Toluene	Toluene-d8 (IS)	11.115	11.085	162,107	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.216	34,205	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.418	45,870	
o-Xylene	Toluene-d8 (IS)	13.940	13.887	22,594	

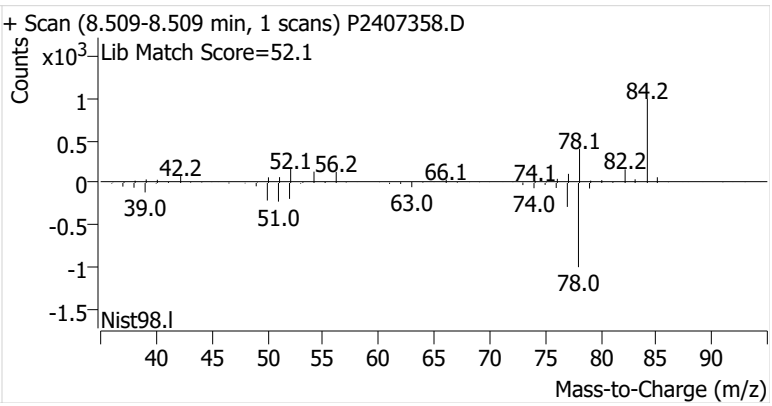
benzene-d6 (IS)



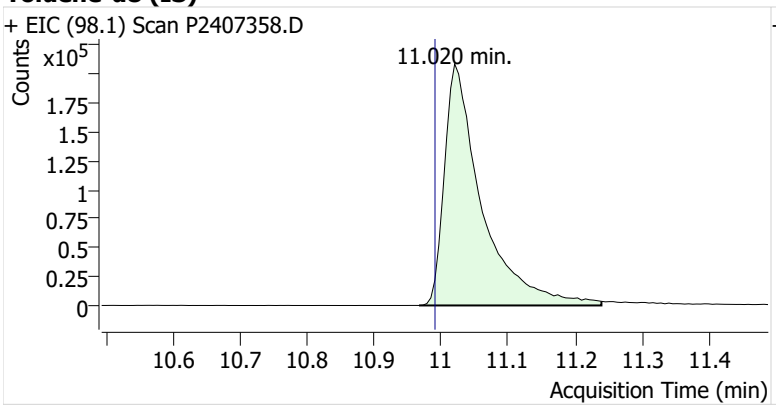


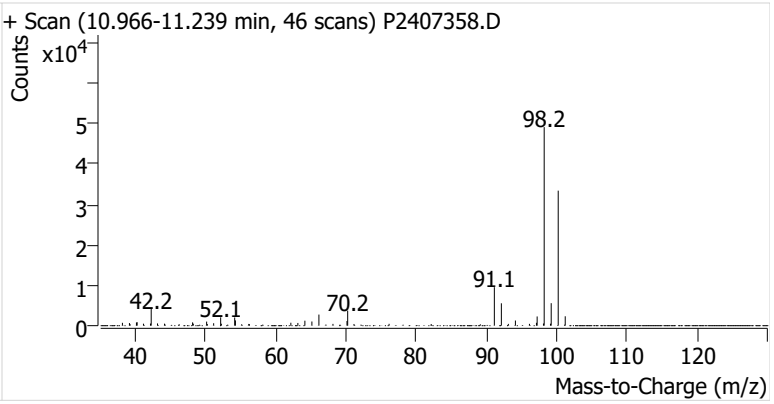
Benzene



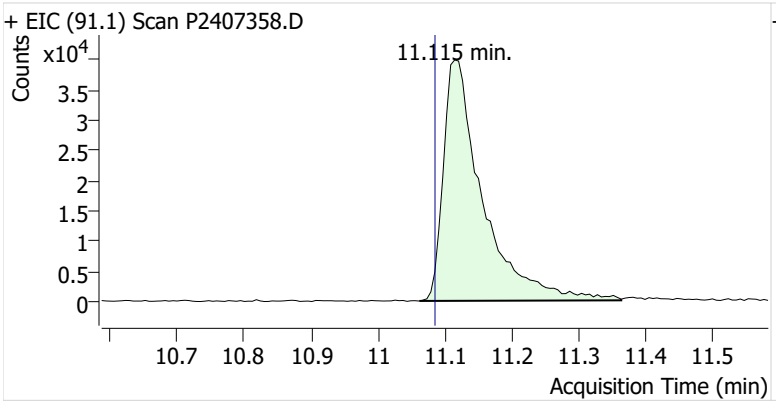


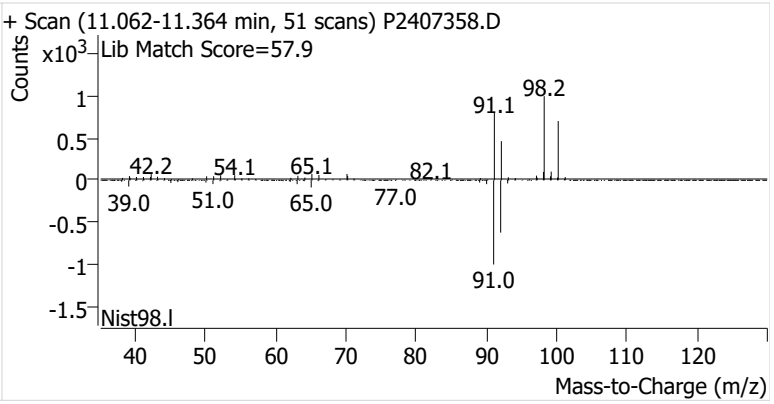
Toluene-d8 (IS)



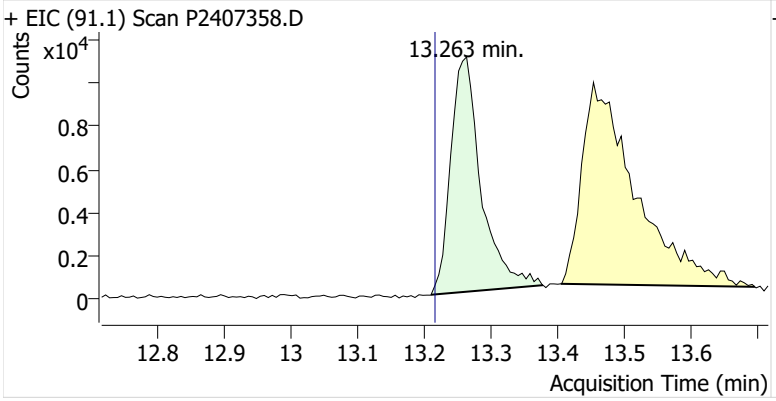


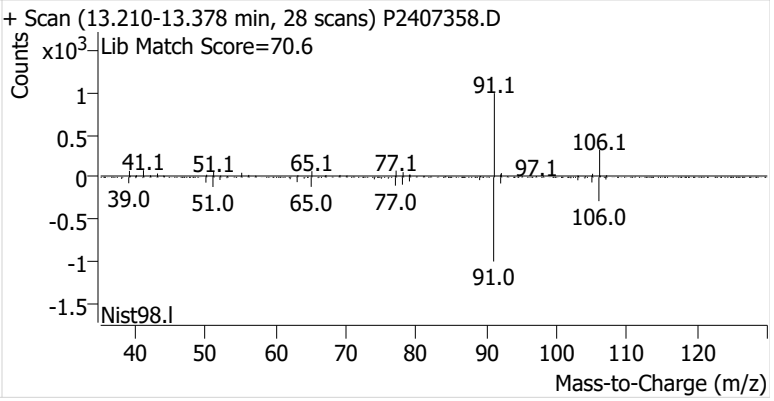
Toluene



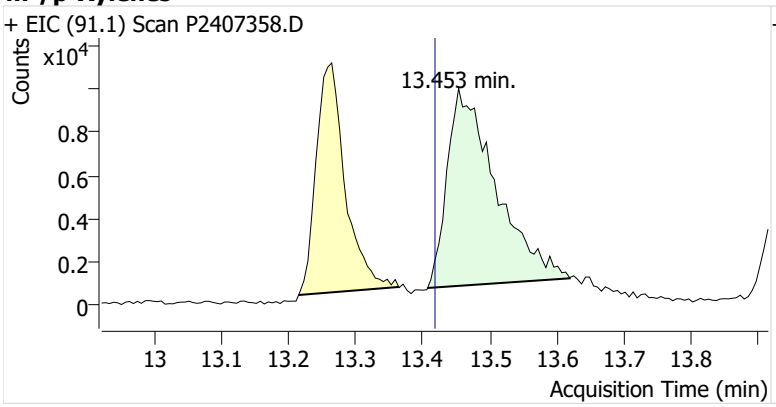


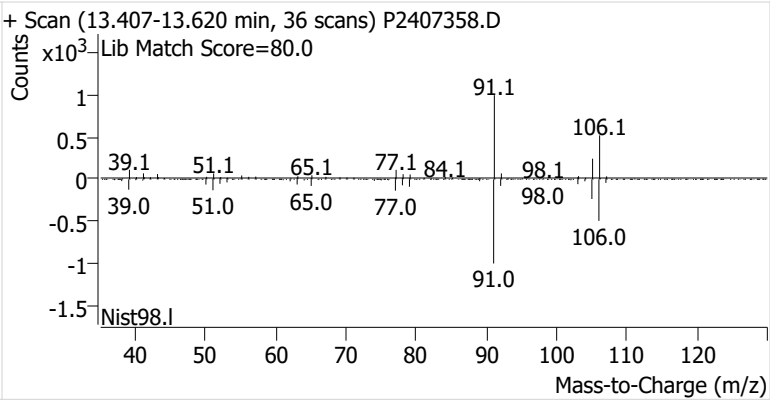
Ethylbenzene



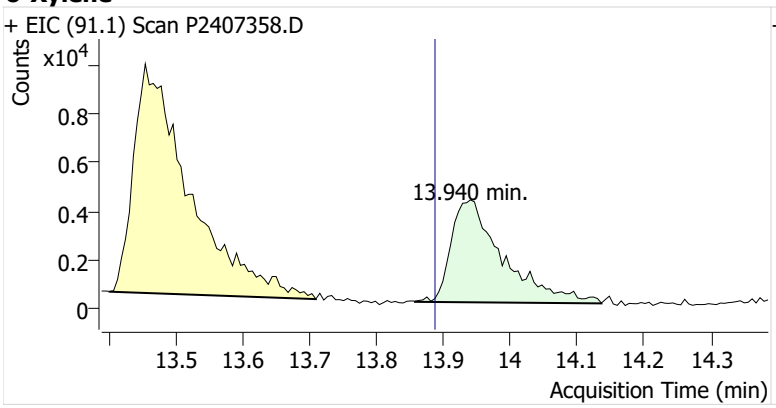


m-/p-Xylenes





o-Xylene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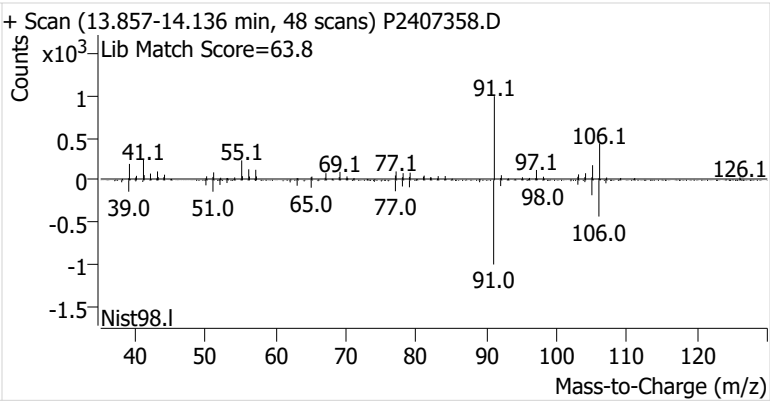
0.4
0.2
0
13.940 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.857-14.136 min, 48 scans) P2407358.D
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x10^3
Lib Match Score=63.8
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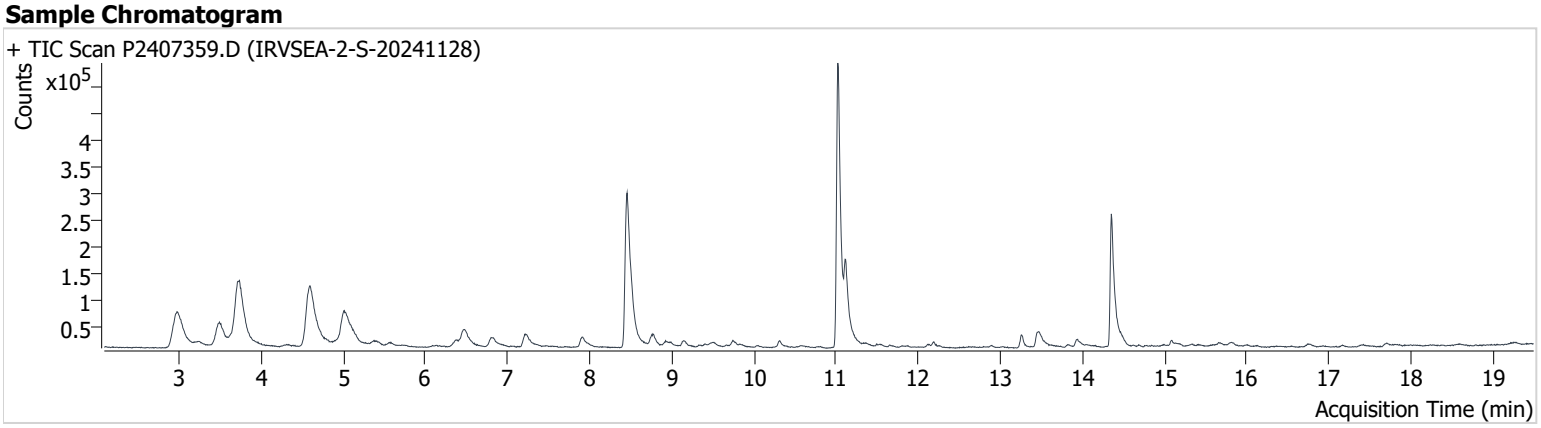
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

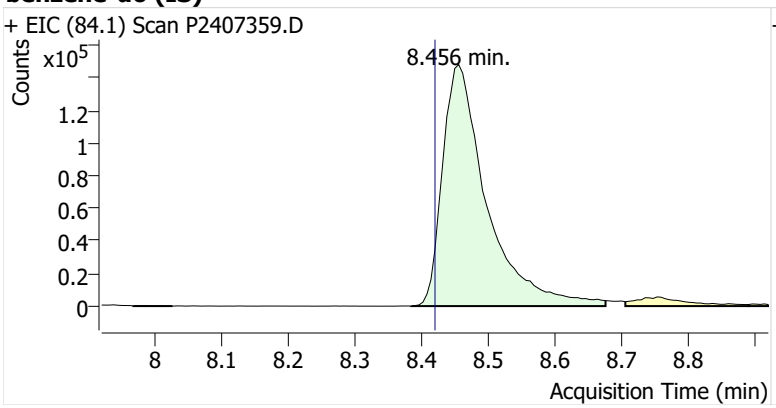
Name	IRVSEA-2-S-20241128
Comment	C01323; Recollect
Data File	P2407359.D
Acq. Date-Time	12/25/2024 4:44:48 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

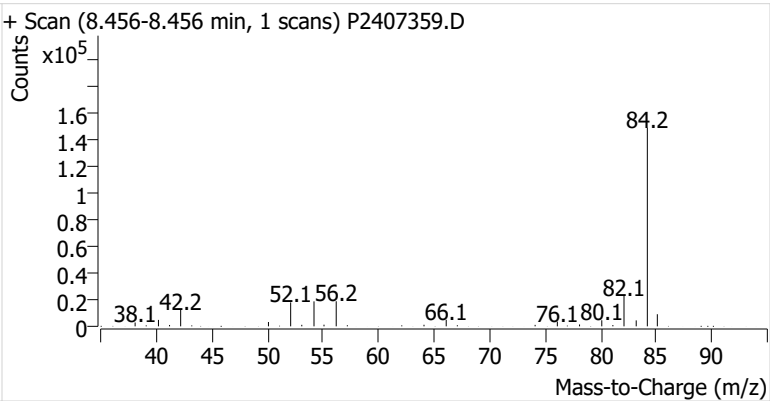
Sample Chromatogram



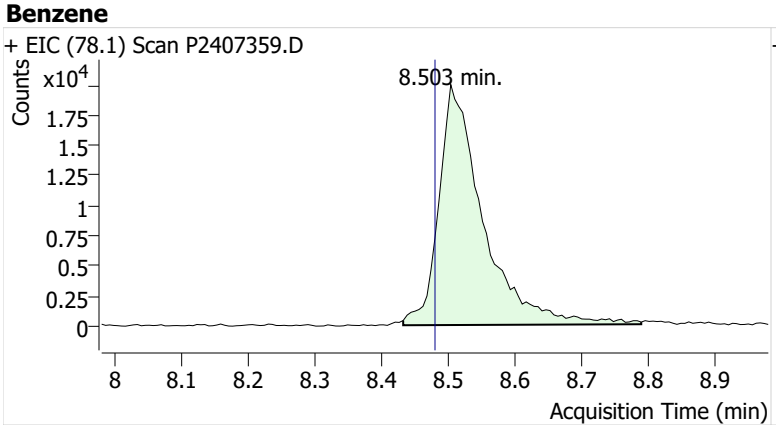
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.420	679,305	
Benzene	benzene-d6 (IS)	8.503	8.480	91,838	
Toluene-d8 (IS)		11.020	10.990	795,568	
Toluene	Toluene-d8 (IS)	11.121	11.085	173,137	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	36,653	
m-/p-Xylenes	Toluene-d8 (IS)	13.459	13.418	71,261	
o-Xylene	Toluene-d8 (IS)	13.940	13.887	26,267	

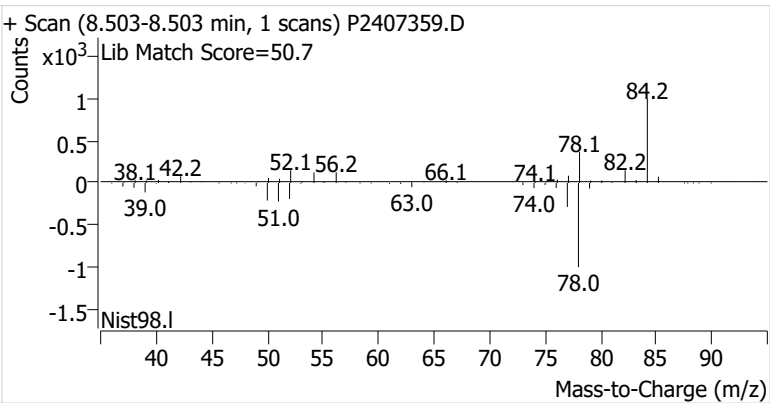
benzene-d6 (IS)



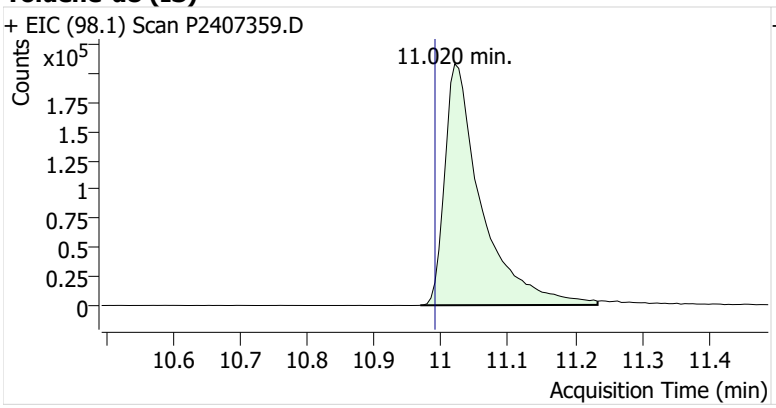


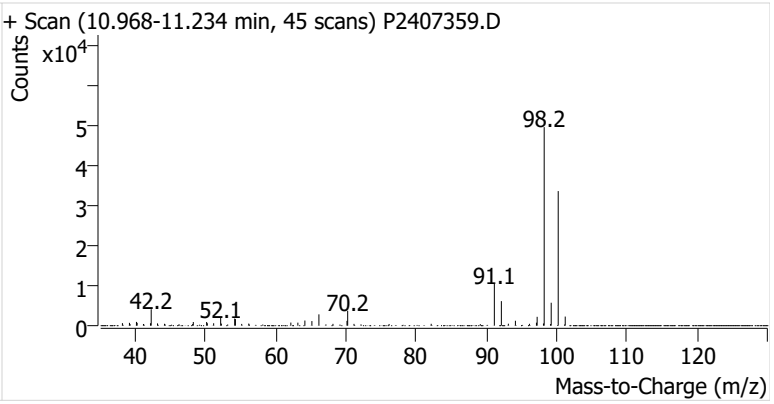
Benzene



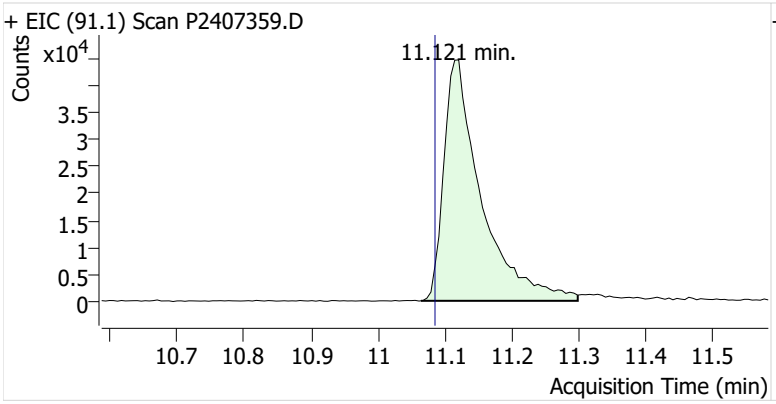


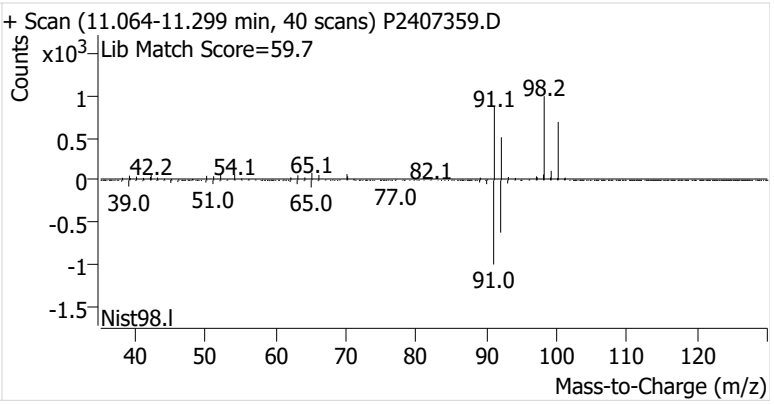
Toluene-d8 (IS)



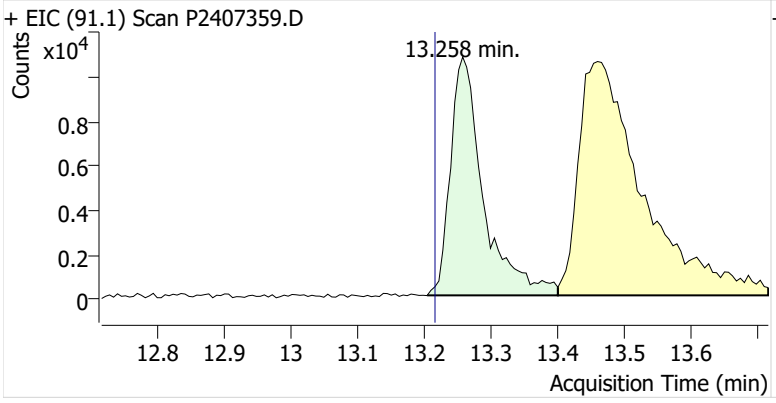


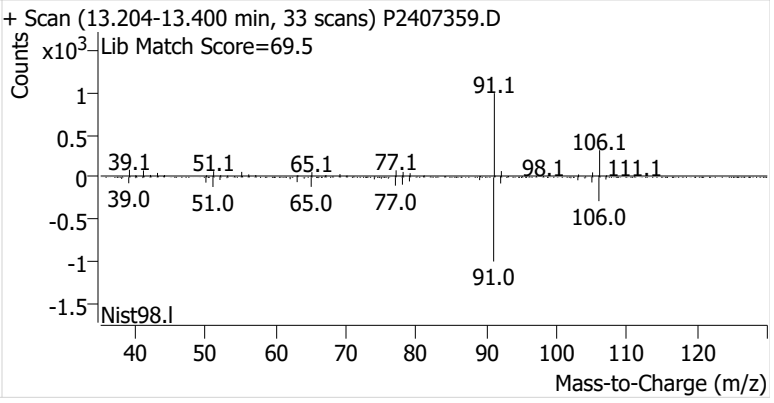
Toluene



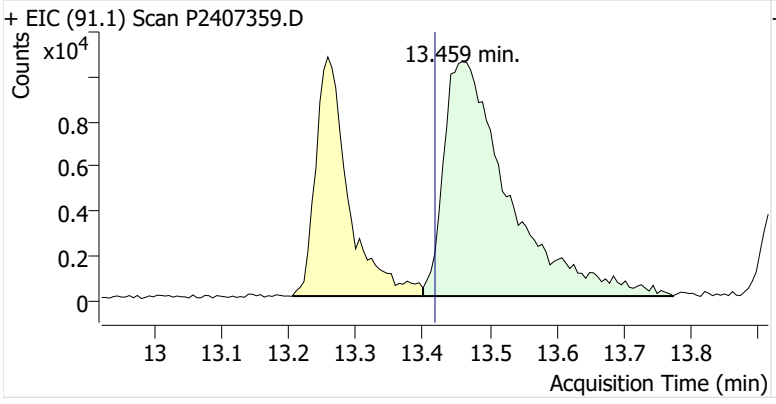


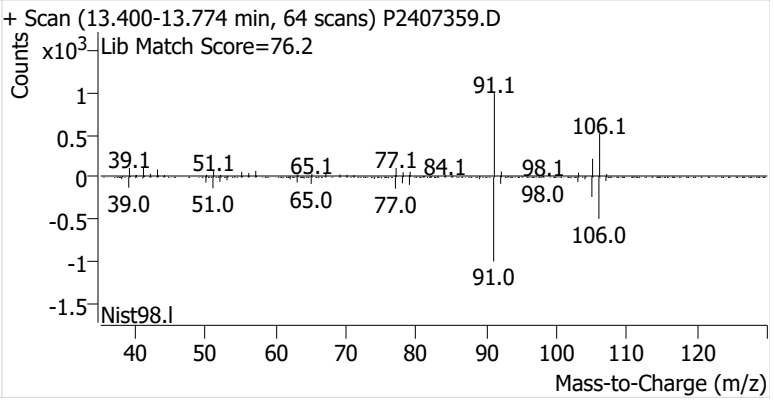
Ethylbenzene



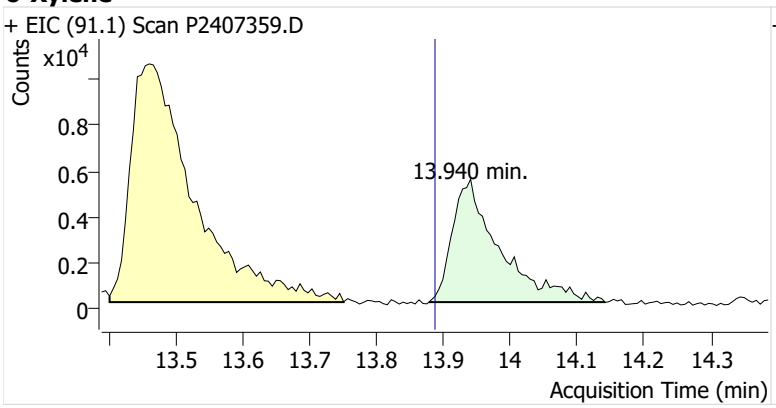


m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan P2407359.D
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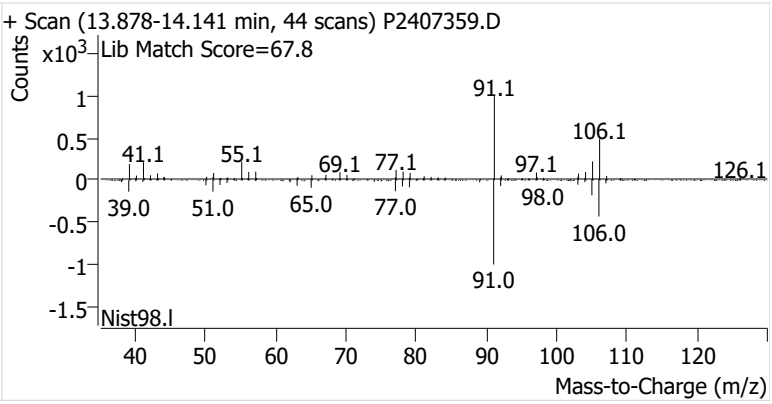
0.4
0.2
0
13.940 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Counts
x10^3
Lib Match Score=67.8
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0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
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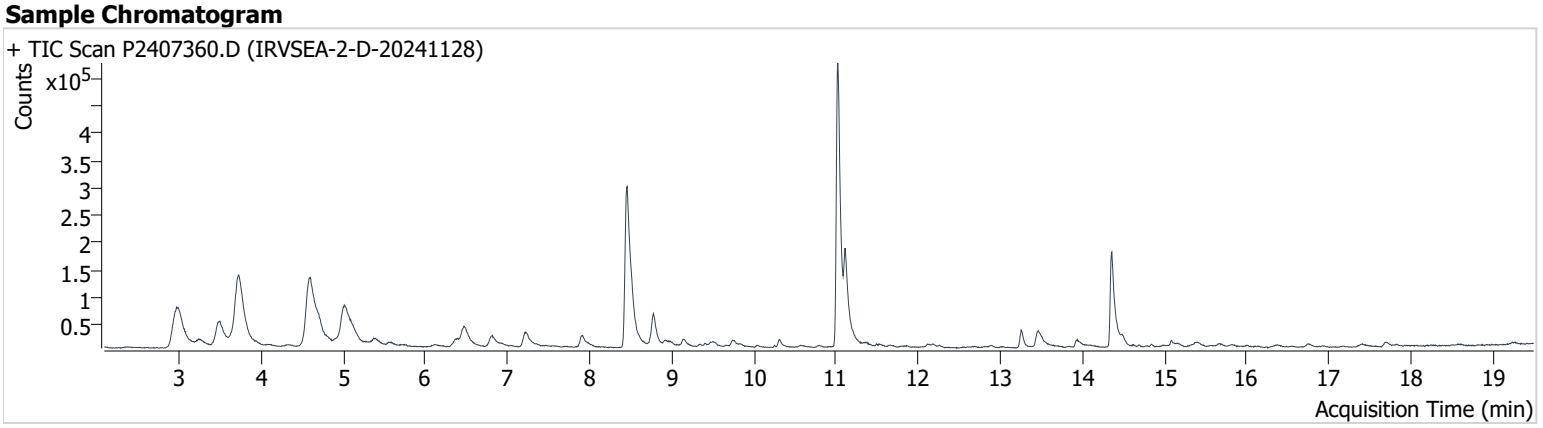
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

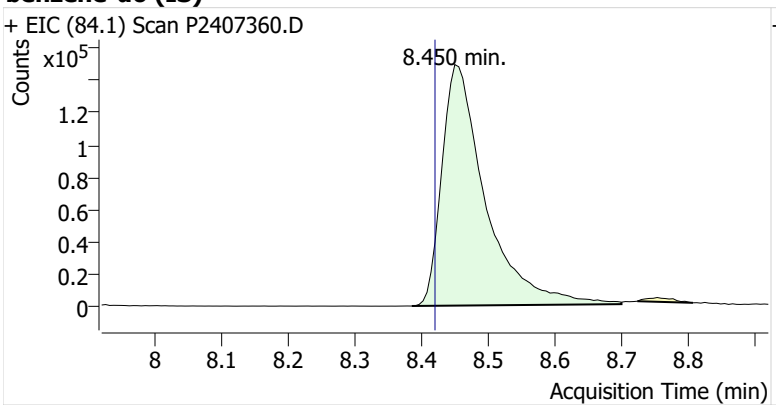
Name	IRVSEA-2-D-20241128
Comment	B28151; Recollect
Data File	P2407360.D
Acq. Date-Time	12/25/2024 5:20:14 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

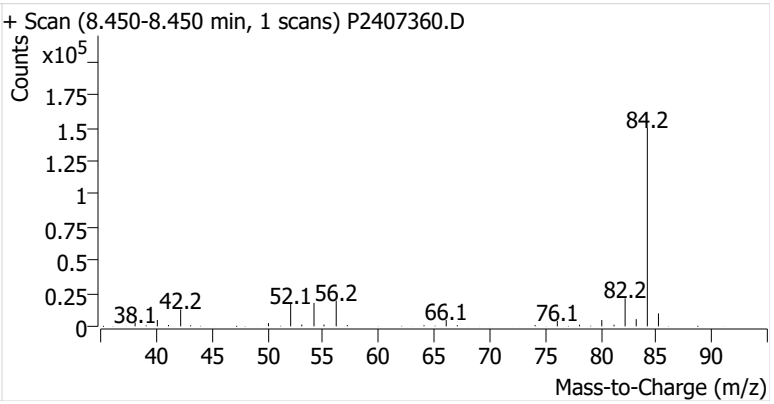
Sample Chromatogram



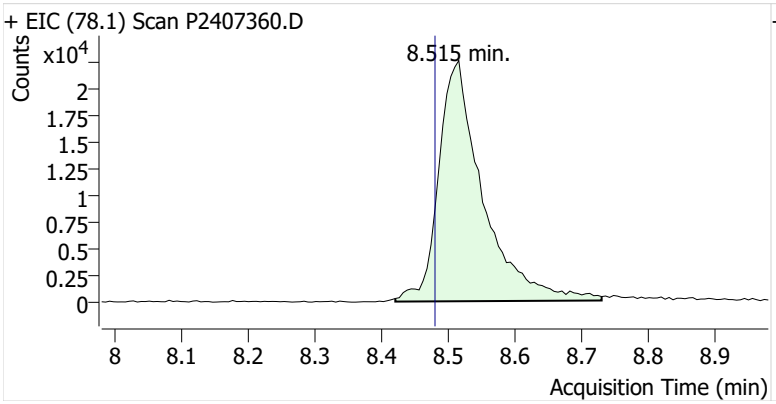
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.420	677,777	
Benzene	benzene-d6 (IS)	8.515	8.480	103,693	
Toluene-d8 (IS)		11.020	10.990	789,947	
Toluene	Toluene-d8 (IS)	11.109	11.085	196,533	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	43,378	
m-/p-Xylenes	Toluene-d8 (IS)	13.460	13.418	57,590	
o-Xylene	Toluene-d8 (IS)	13.934	13.887	22,089	

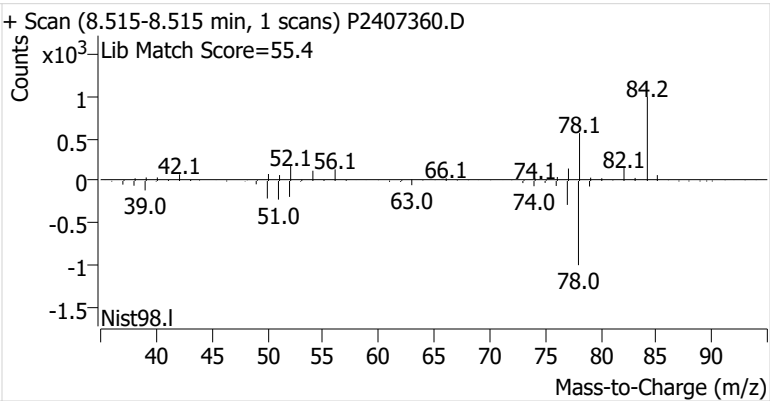
benzene-d6 (IS)



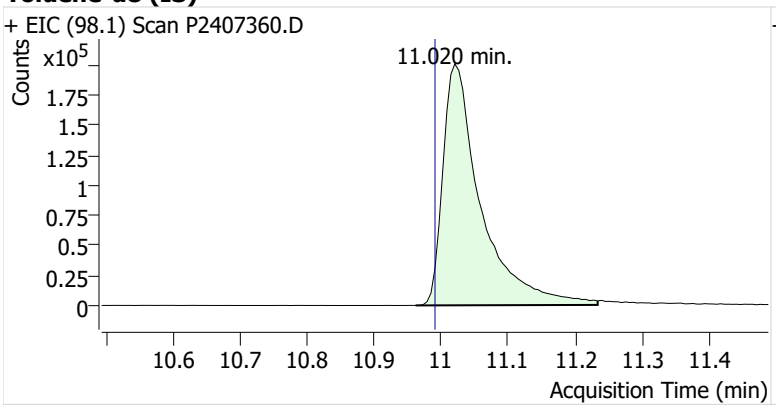


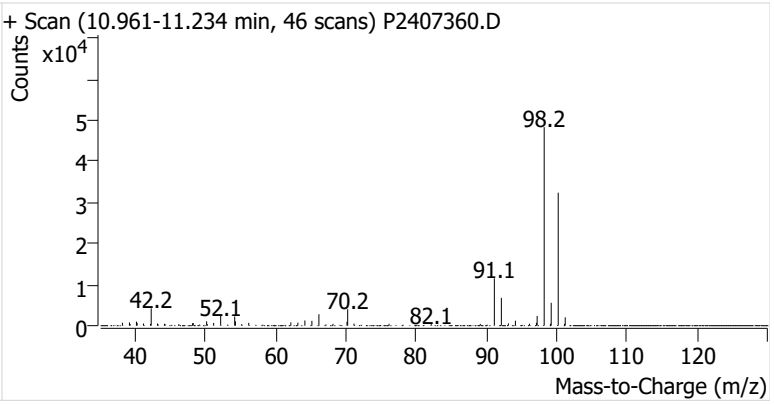
Benzene



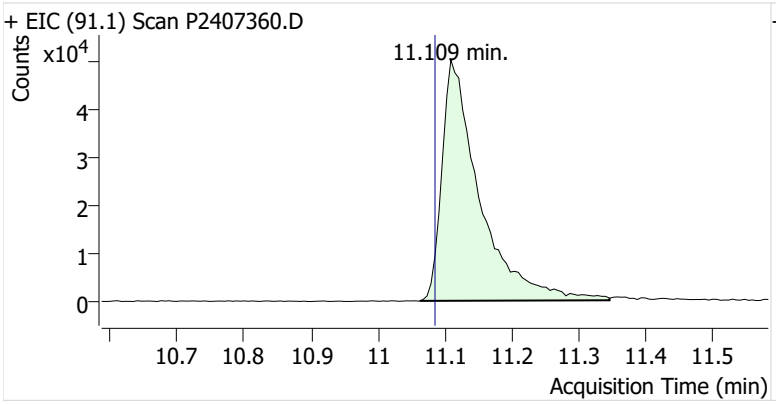


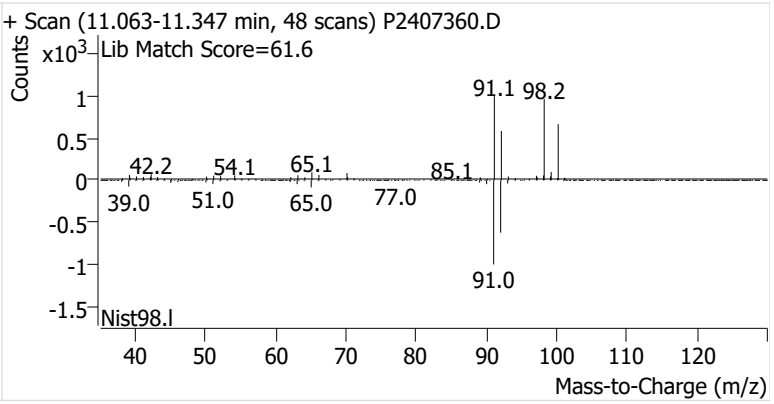
Toluene-d8 (IS)



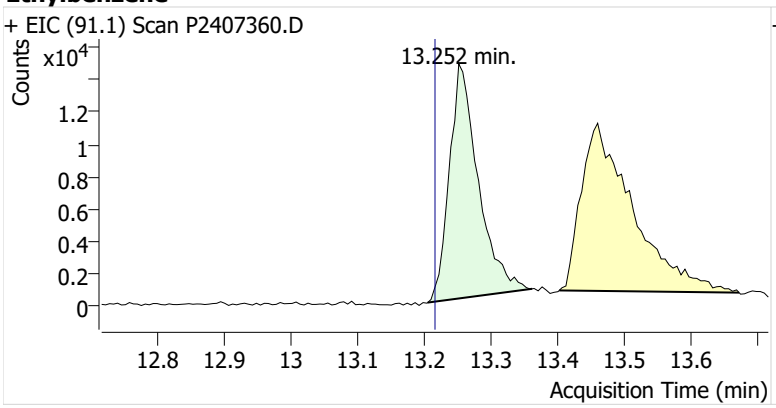


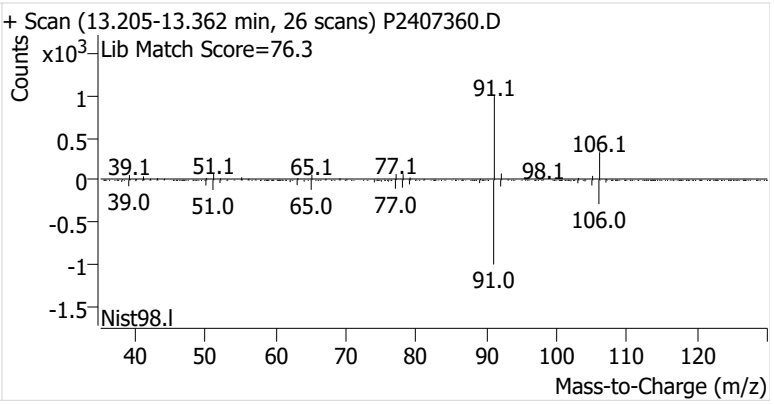
Toluene



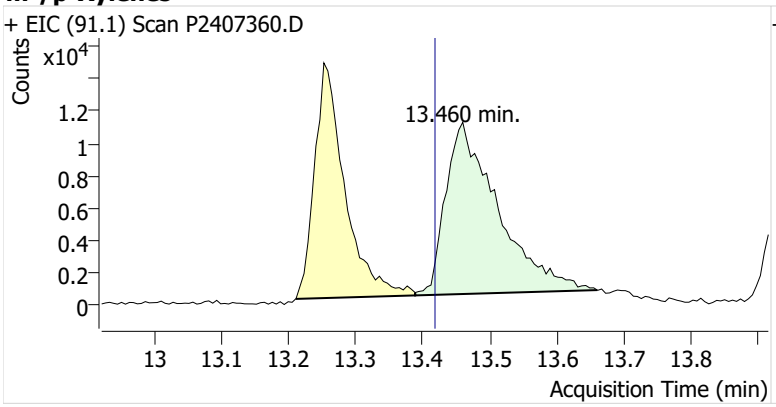


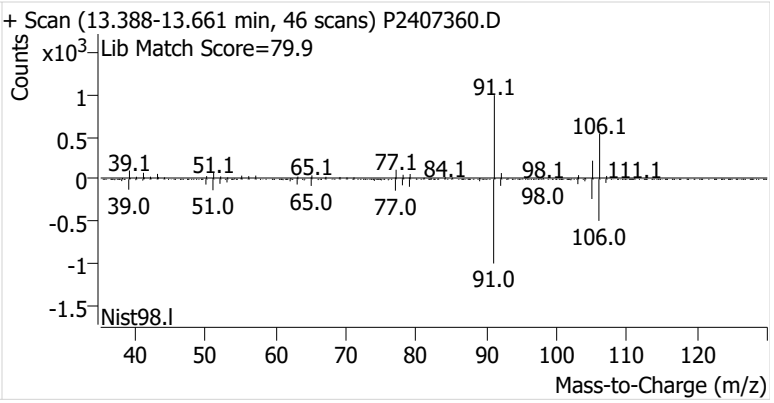
Ethylbenzene



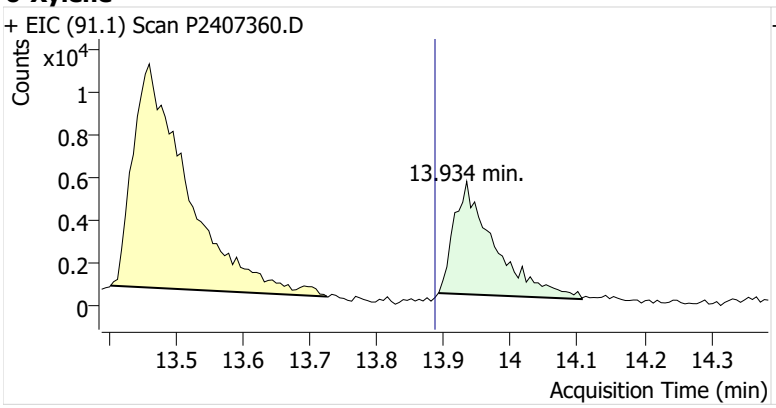


m-/p-Xylenes





o-Xylene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0.2
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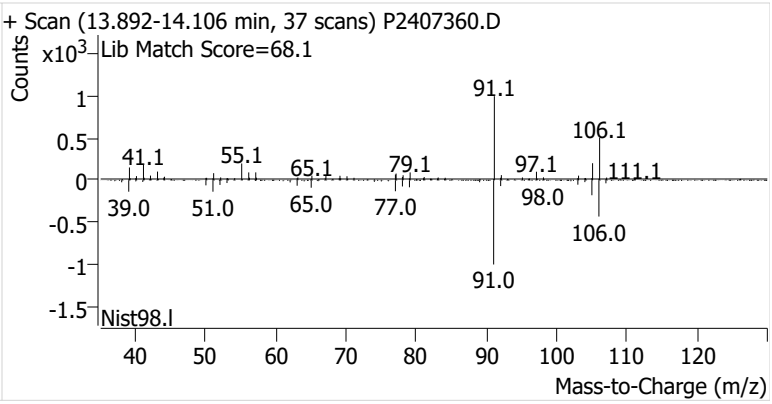
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.892-14.106 min, 37 scans) P2407360.D
Counts
x10^3
Lib Match Score=68.1
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-1
-1.5
91.1
106.1
41.1
55.1
65.1
79.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
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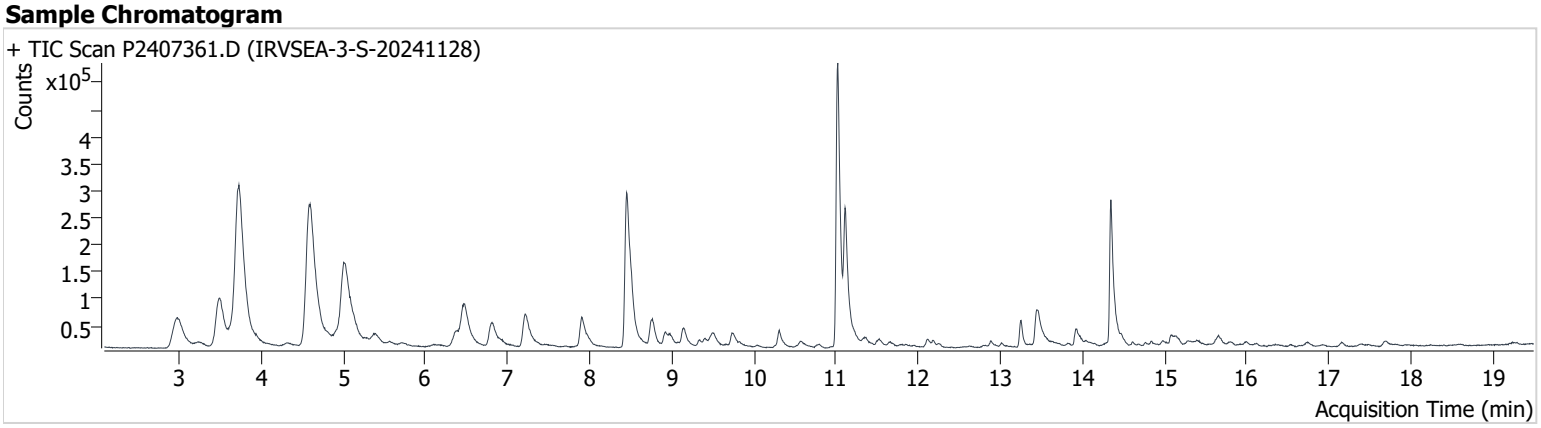
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

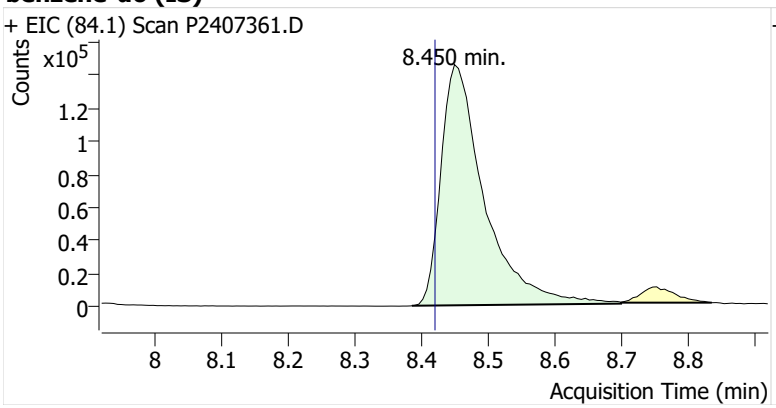
Name	IRVSEA-3-S-20241128
Comment	C16102; Recollect
Data File	P2407361.D
Acq. Date-Time	12/25/2024 5:55:20 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

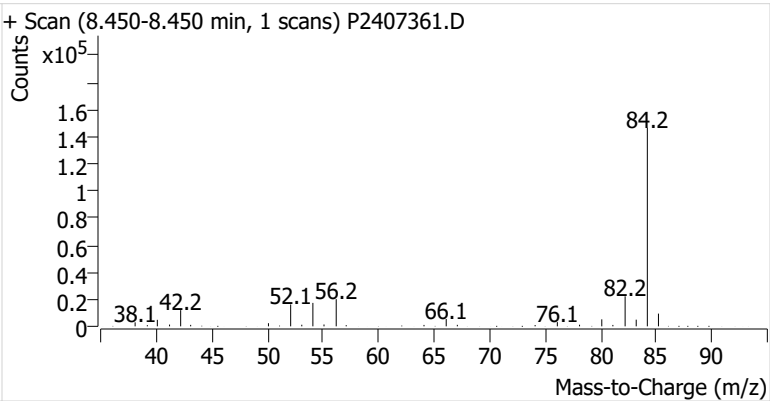
Sample Chromatogram



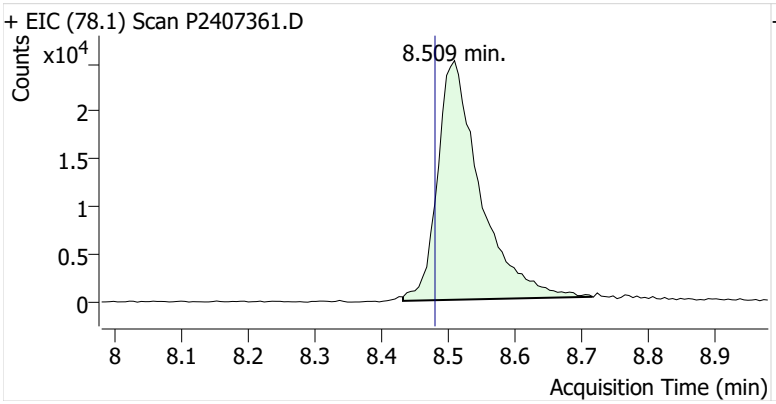
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.420	657,889	
Benzene	benzene-d6 (IS)	8.509	8.480	111,730	
Toluene-d8 (IS)		11.020	10.990	769,030	
Toluene	Toluene-d8 (IS)	11.115	11.085	322,409	
Ethylbenzene	Toluene-d8 (IS)	13.251	13.216	63,620	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.418	129,135	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	55,397	

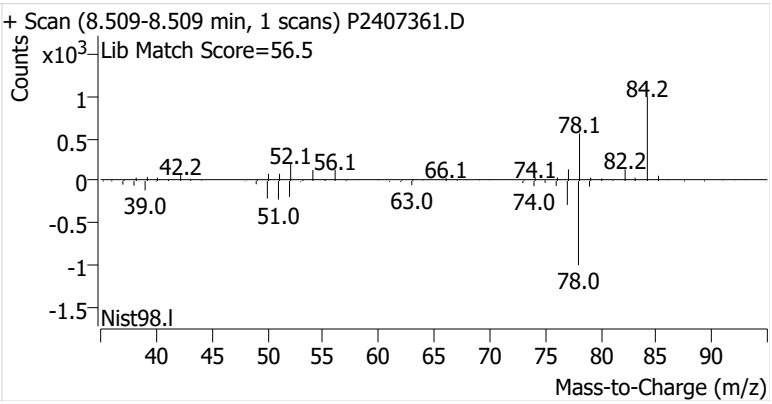
benzene-d6 (IS)



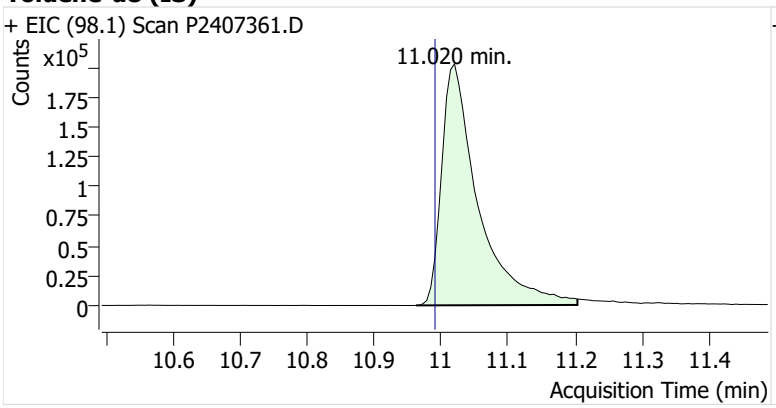


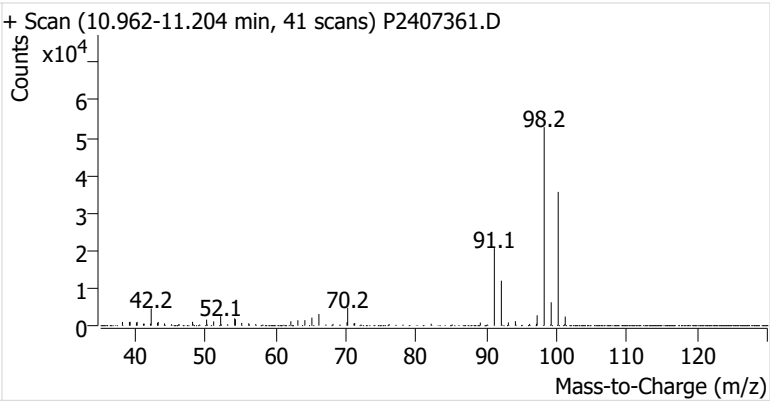
Benzene



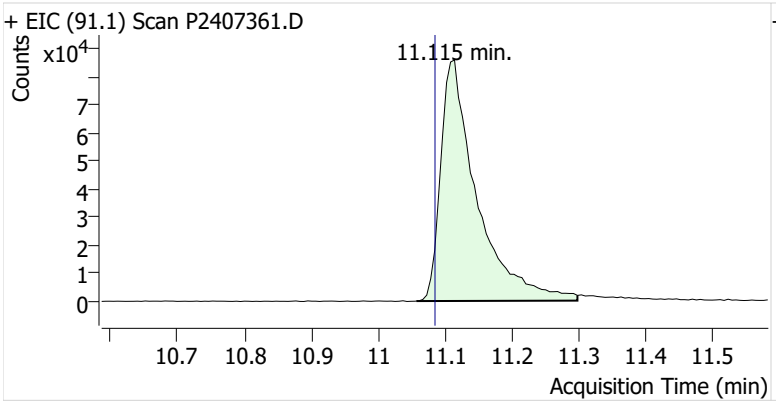


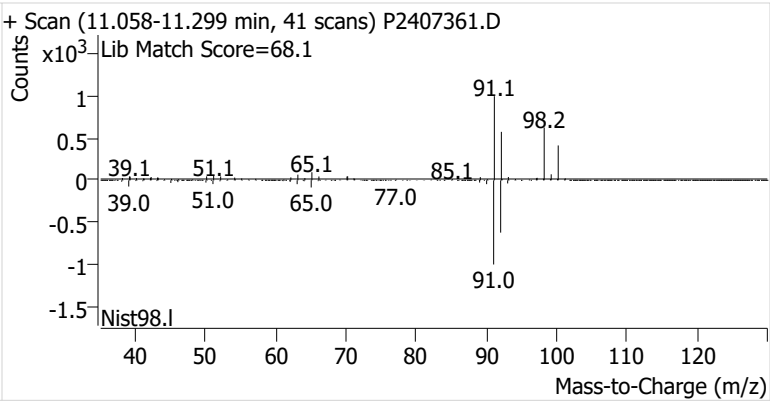
Toluene-d8 (IS)



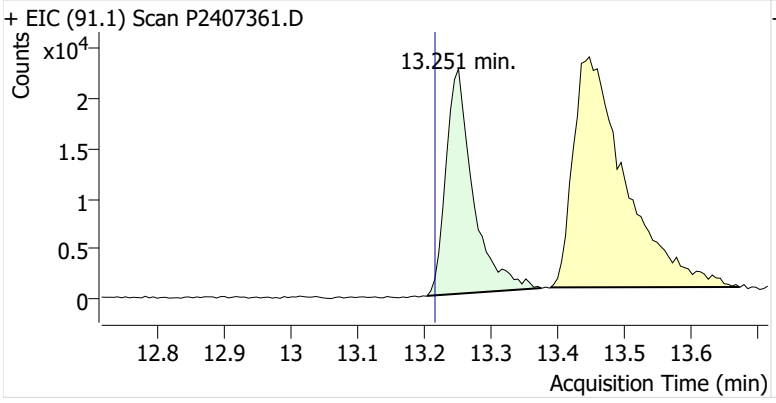


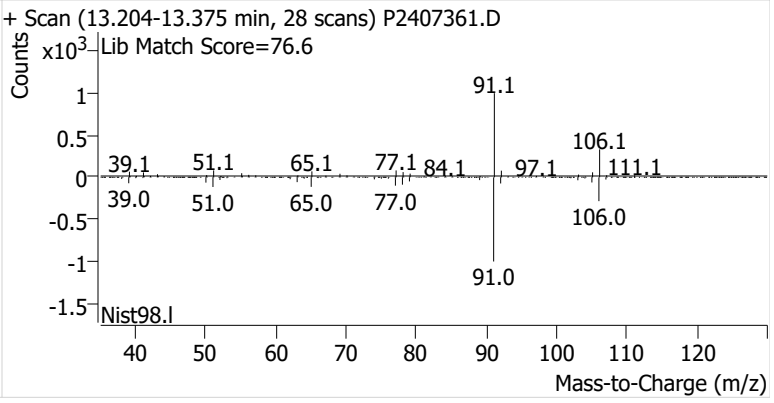
Toluene



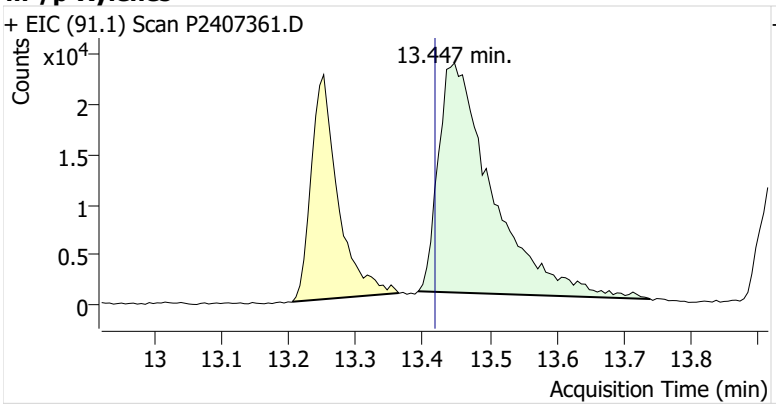


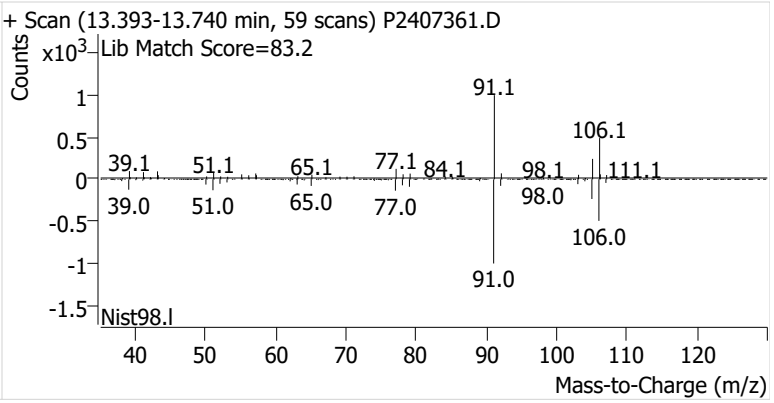
Ethylbenzene



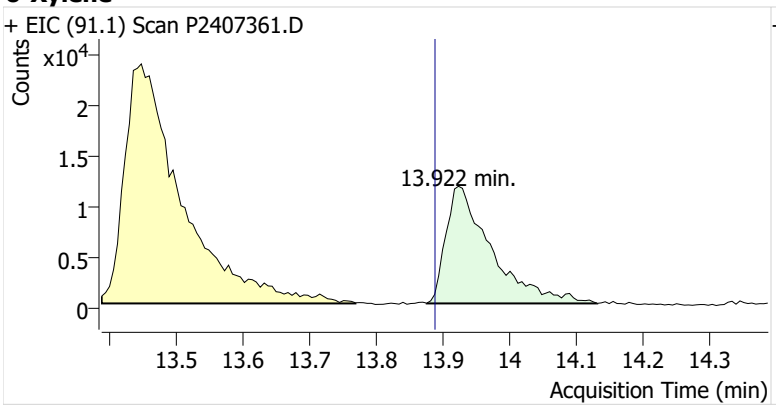


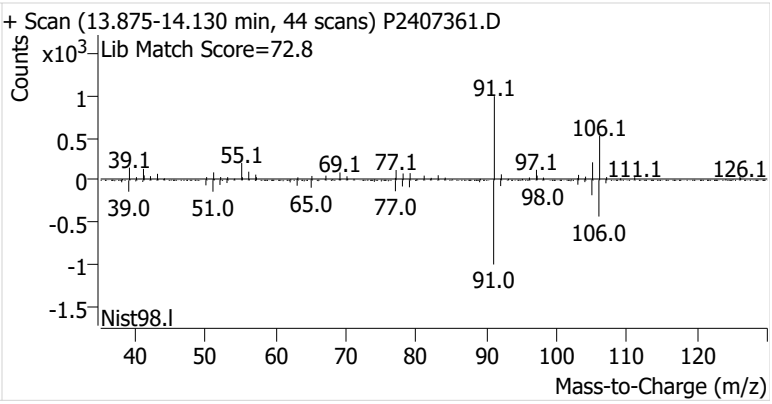
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan P2407361.D
Counts
x10^4
2
1.5
1
0.5
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.875-14.130 min, 44 scans) P2407361.D
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x10^3
Lib Match Score=72.8
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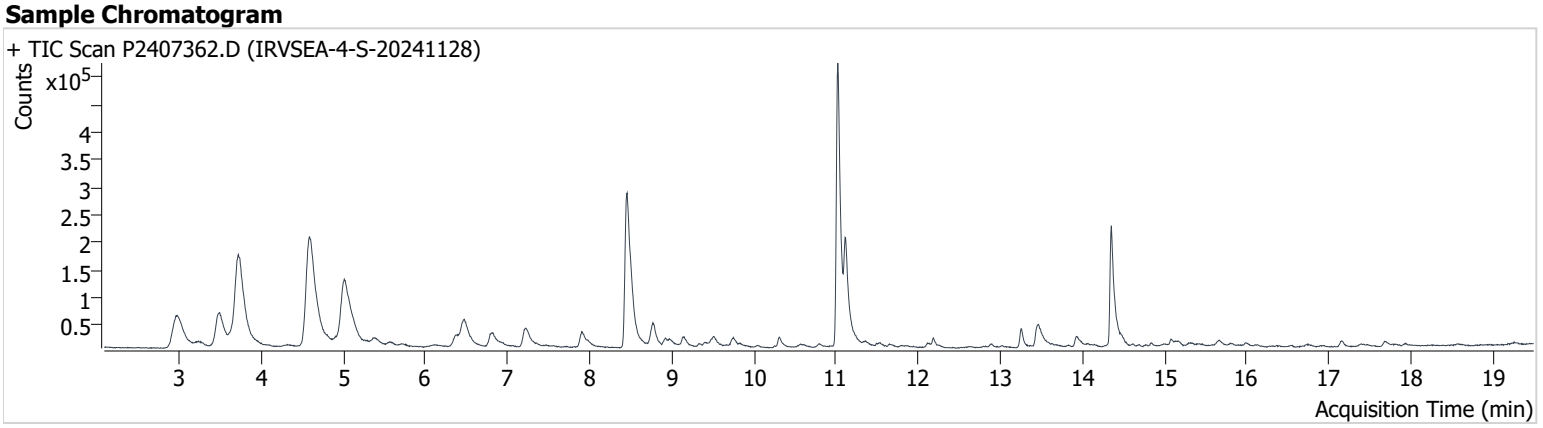
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

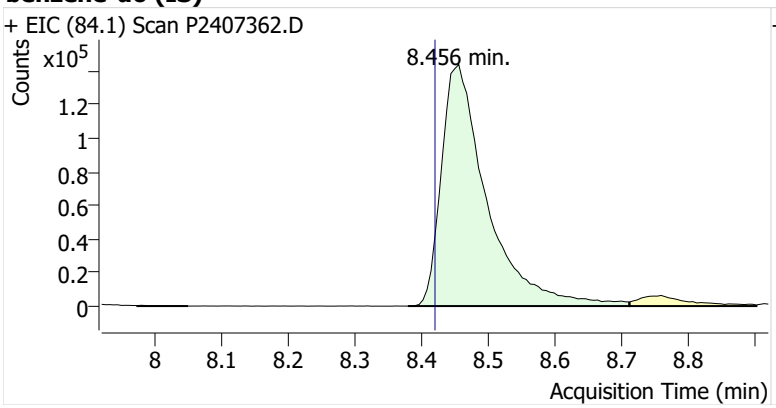
Name	IRVSEA-4-S-20241128
Comment	C17145; Recollect
Data File	P2407362.D
Acq. Date-Time	12/25/2024 6:30:26 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

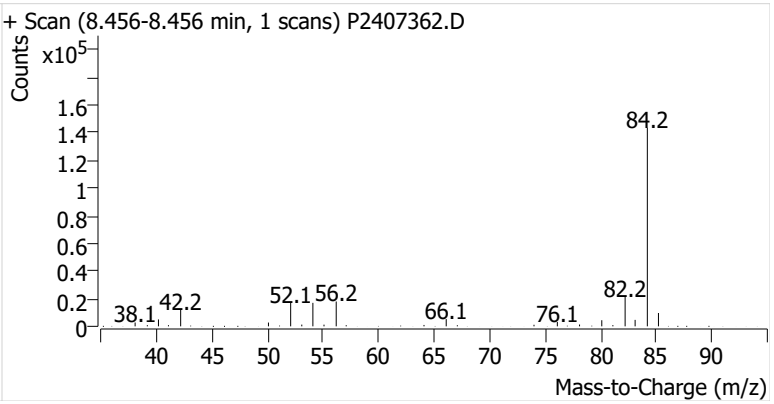
Sample Chromatogram



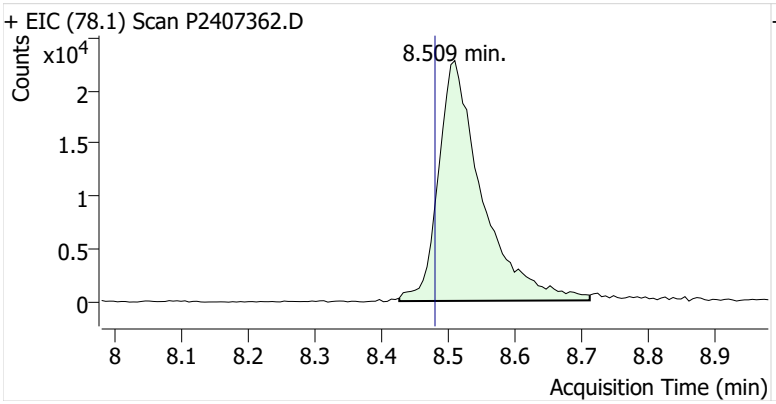
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.456	8.420	681,390	
Benzene	benzene-d6 (IS)	8.509	8.480	103,548	
Toluene-d8 (IS)		11.020	10.990	767,569	
Toluene	Toluene-d8 (IS)	11.115	11.085	233,082	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	50,429	
m-/p-Xylenes	Toluene-d8 (IS)	13.465	13.418	82,166	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	35,164	m

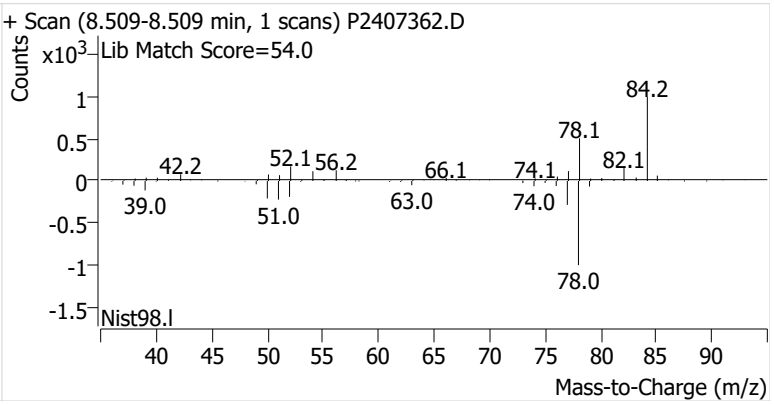
benzene-d6 (IS)



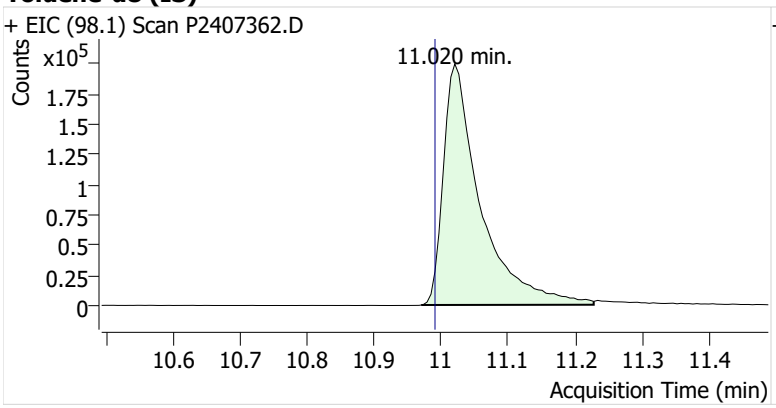


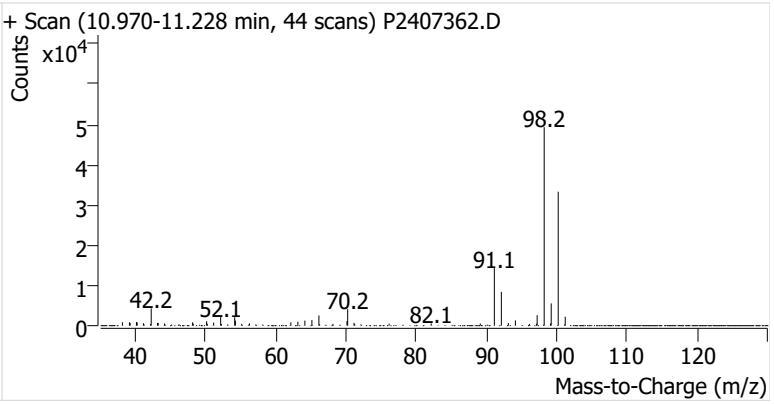
Benzene



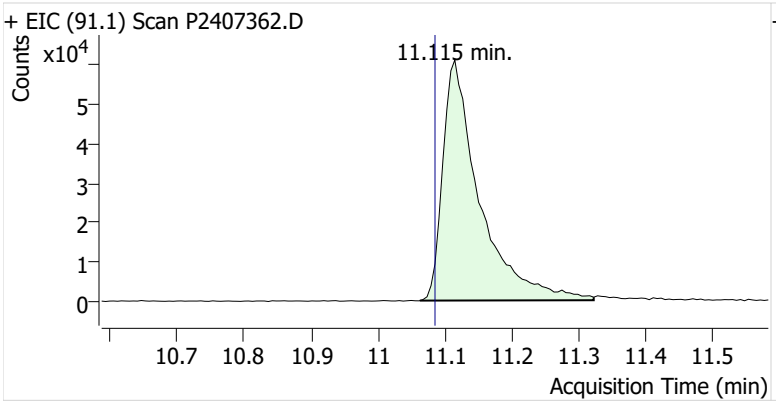


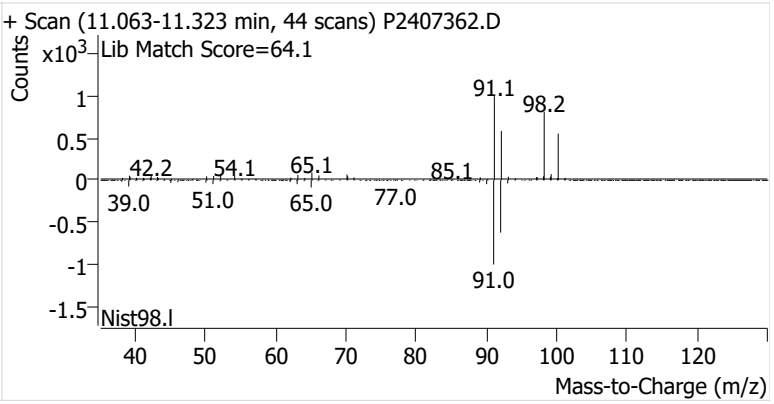
Toluene-d8 (IS)



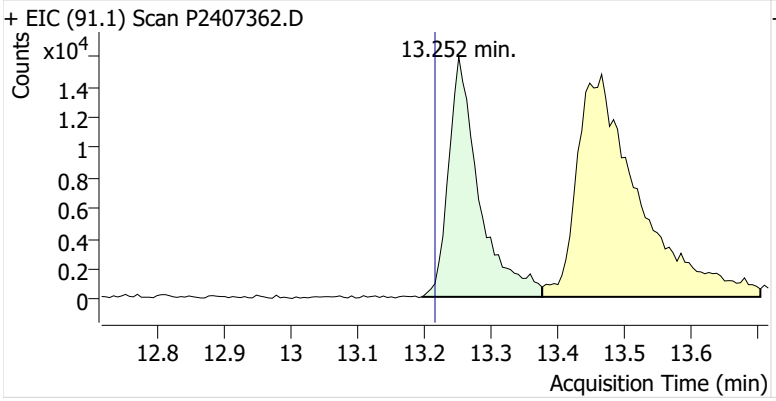


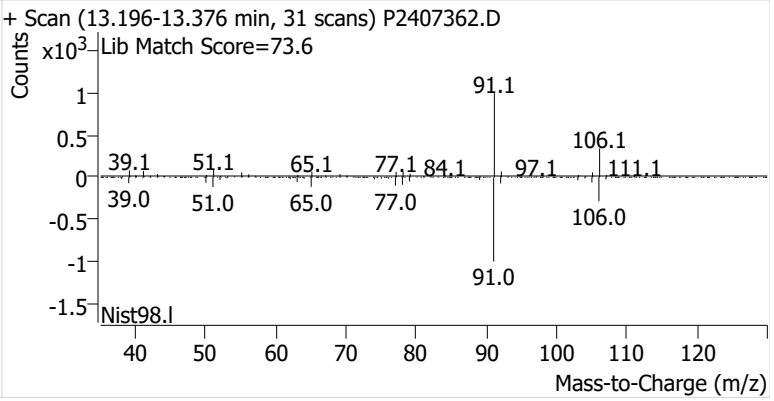
Toluene



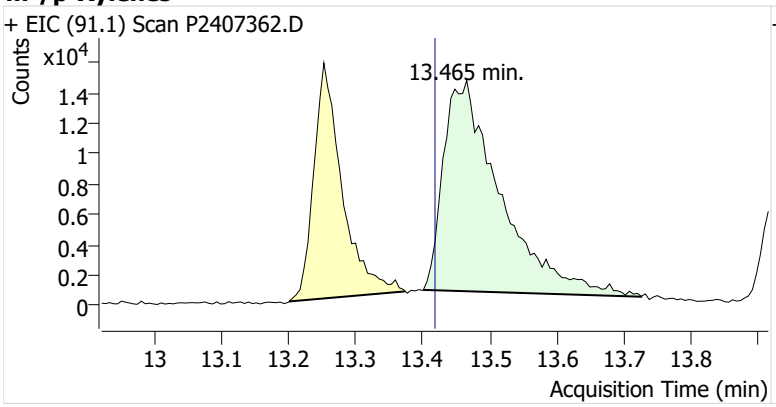


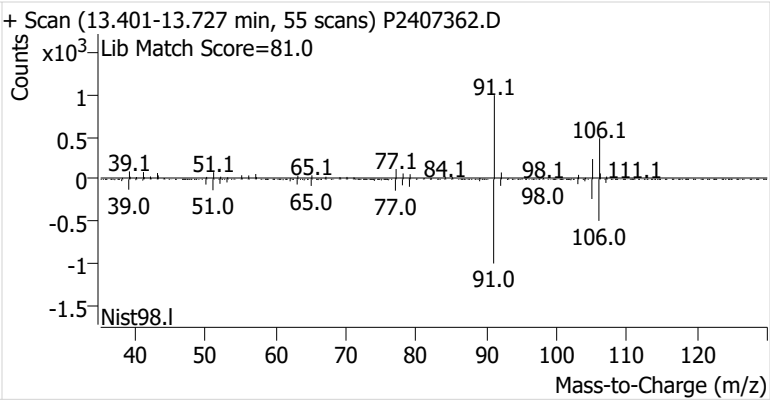
Ethylbenzene



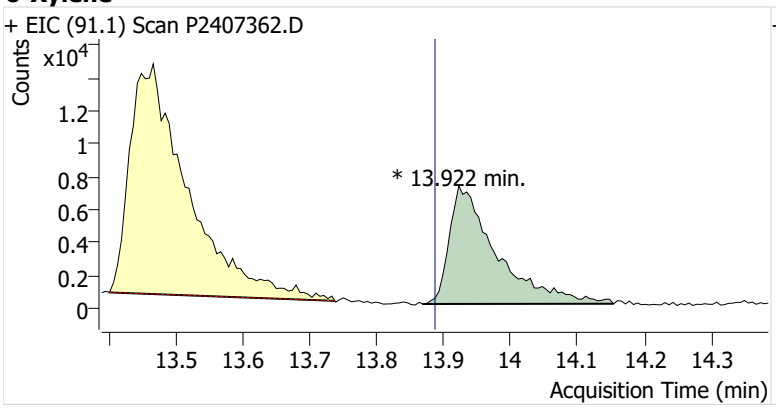


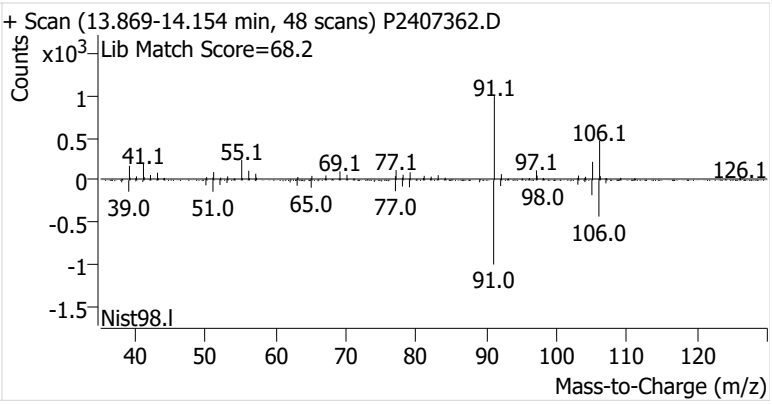
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan P2407362.D
Counts
x10^4
1.2
1
0.8
0.6
0.4
0.2
0
* 13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.869-14.154 min, 48 scans) P2407362.D
Counts
x10^3
Lib Match Score=68.2
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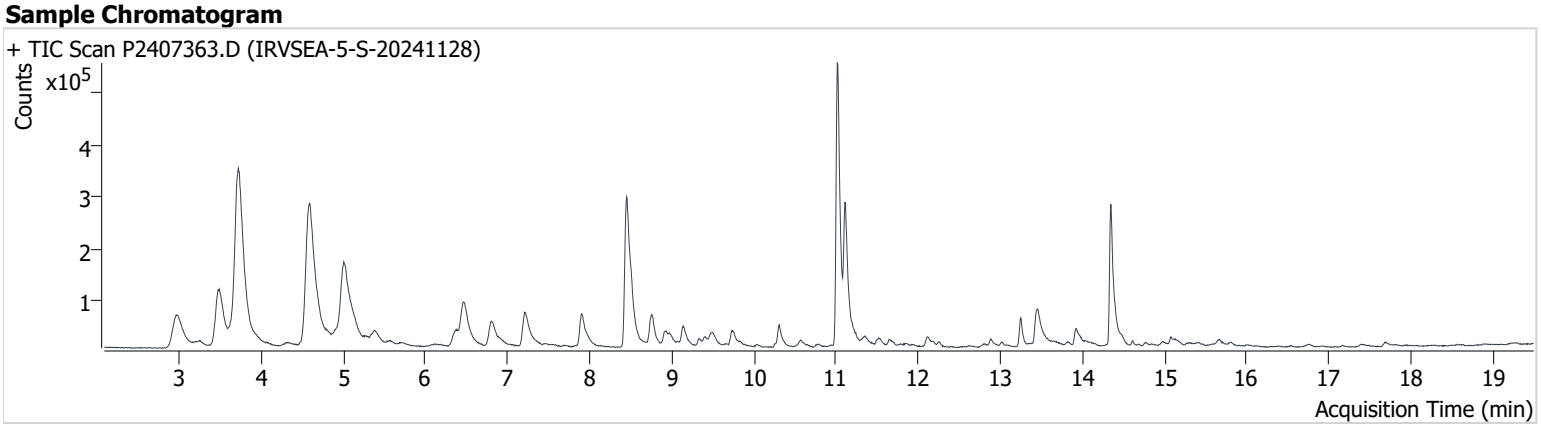
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

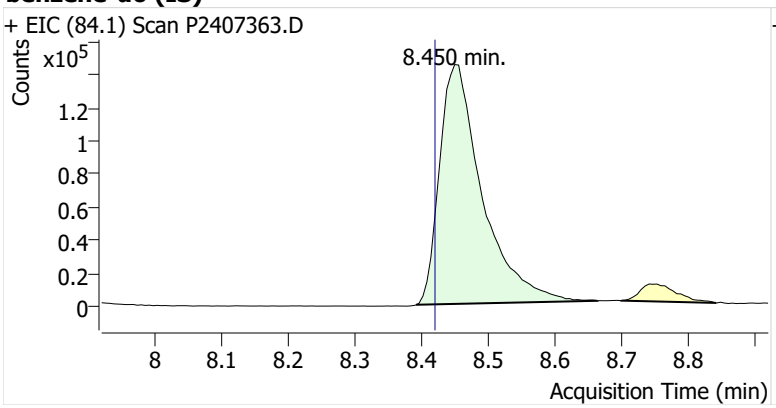
Name	IRVSEA-5-S-20241128
Comment	C00780; Recollect
Data File	P2407363.D
Acq. Date-Time	12/25/2024 7:05:32 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

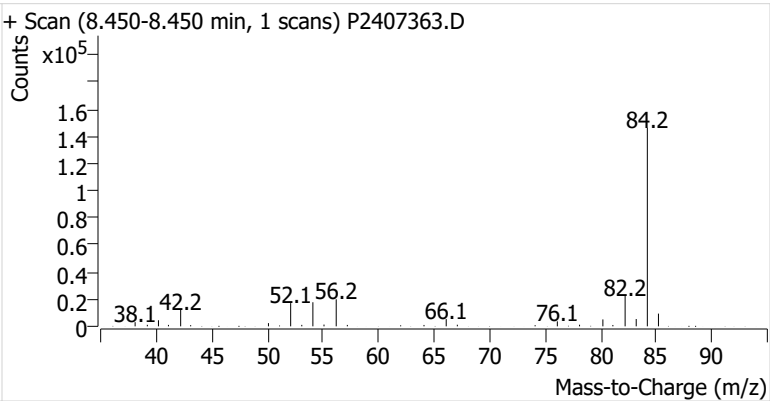
Sample Chromatogram



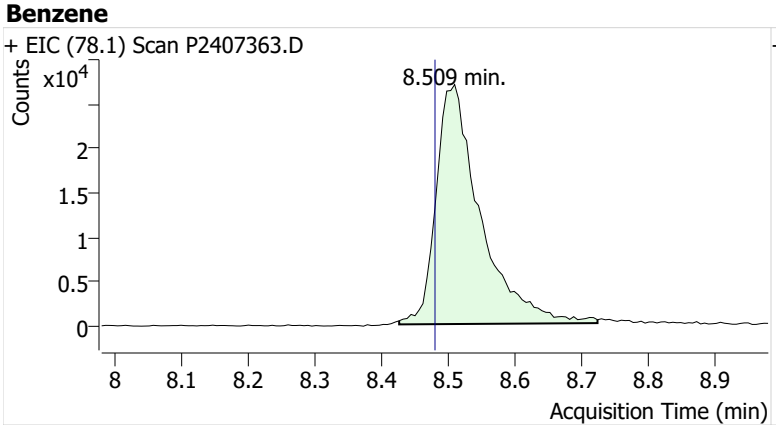
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.420	642,229	
Benzene	benzene-d6 (IS)	8.509	8.480	124,408	
Toluene-d8 (IS)		11.014	10.990	802,980	
Toluene	Toluene-d8 (IS)	11.109	11.085	356,794	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	69,741	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.418	127,151	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	58,602	

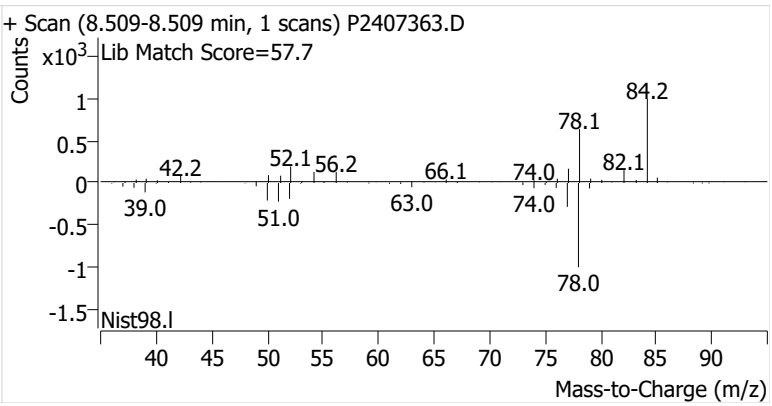
benzene-d6 (IS)



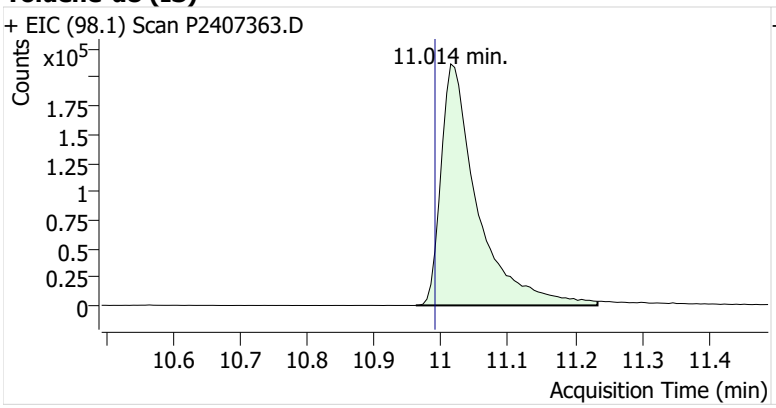


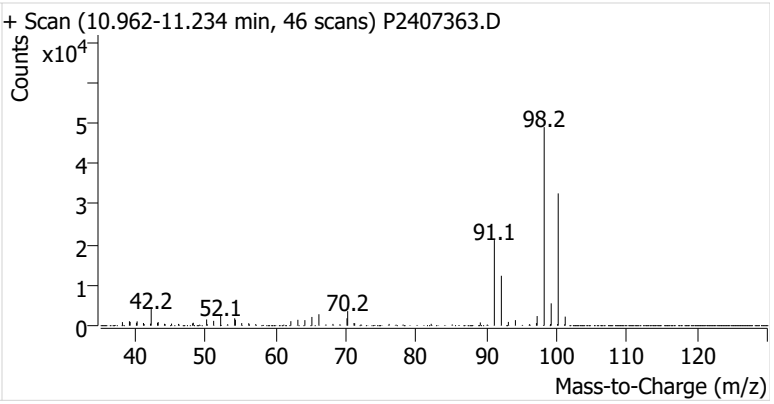
Benzene



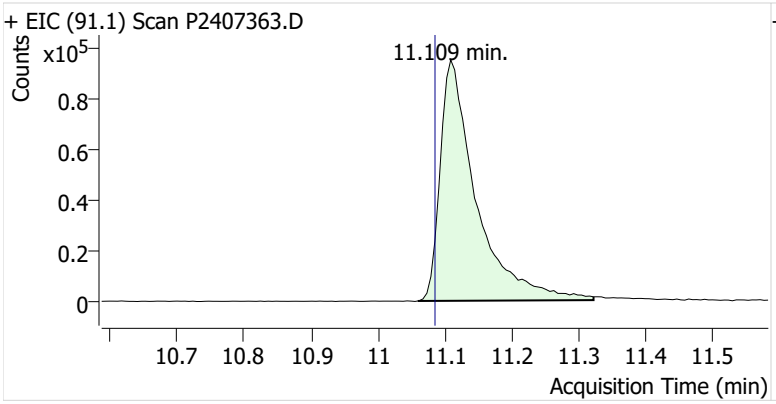


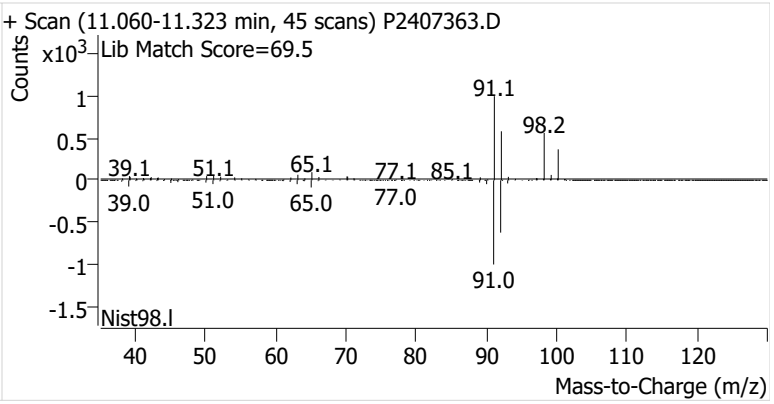
Toluene-d8 (IS)



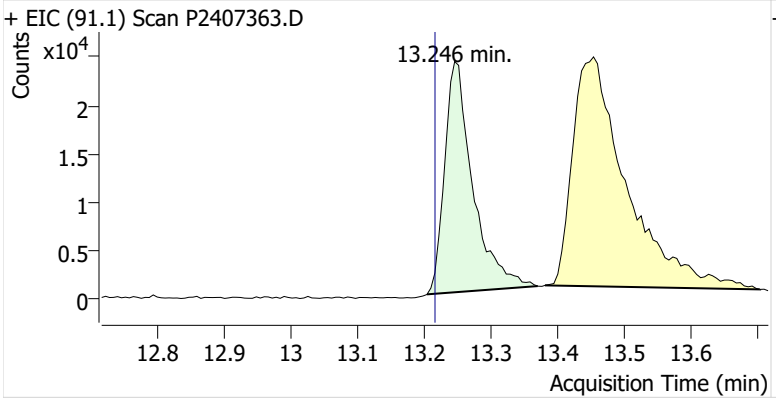


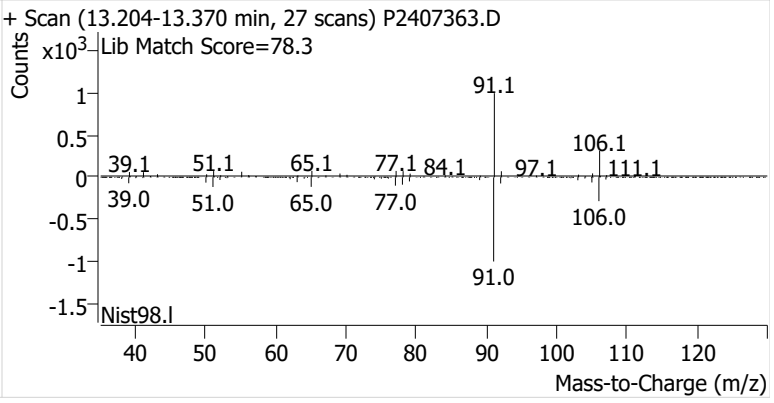
Toluene



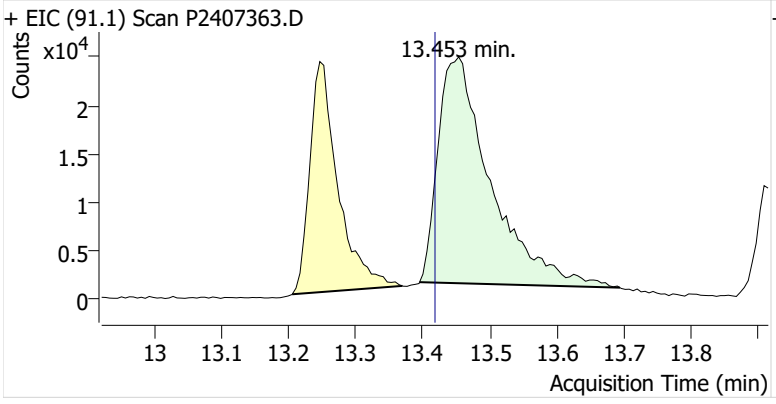


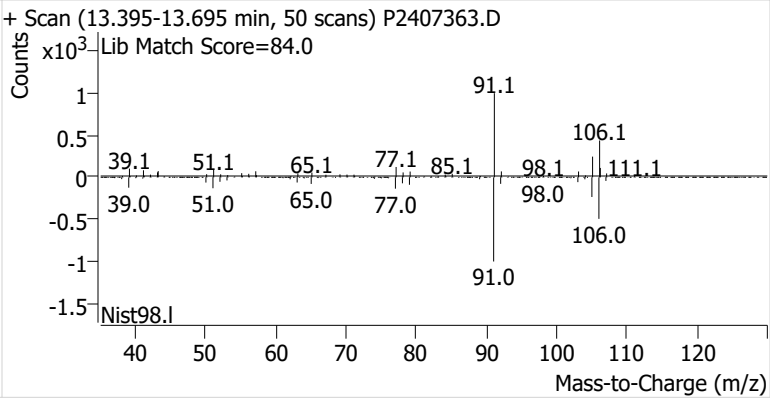
Ethylbenzene



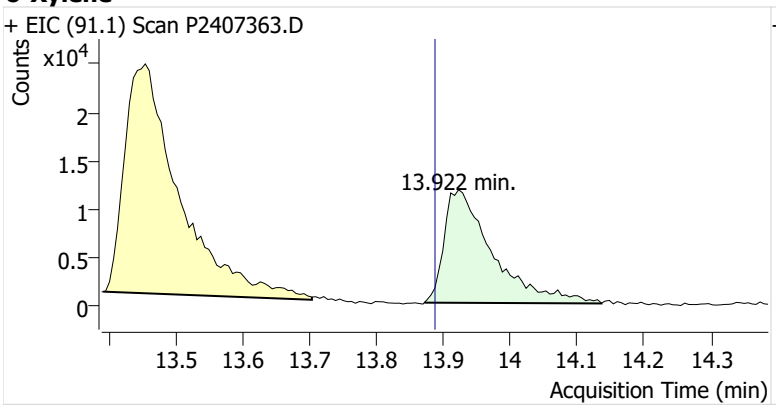


m-/p-Xylenes





o-Xylene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1
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13.922 min.
13.5
13.6
13.7
13.8
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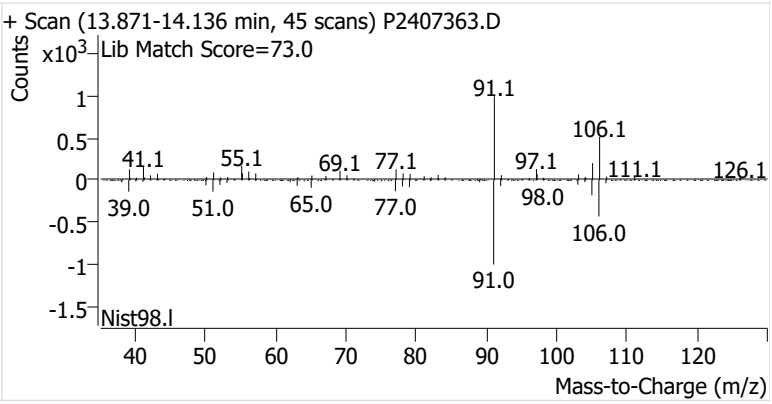
14
14.1
14.2
14.3
Acquisition Time (min)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Lib Match Score=73.0
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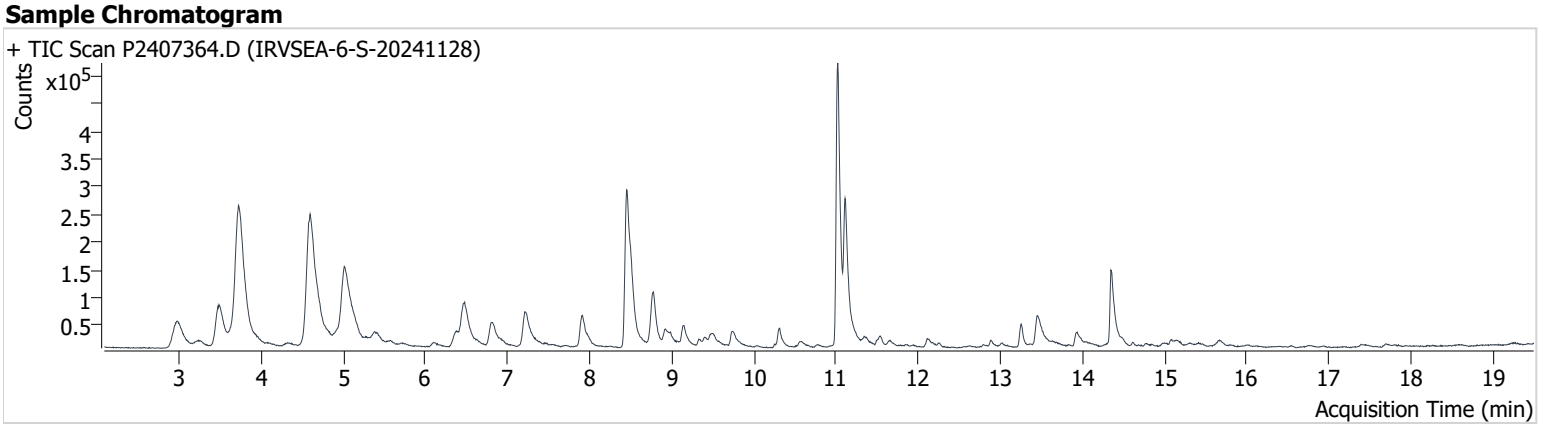
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

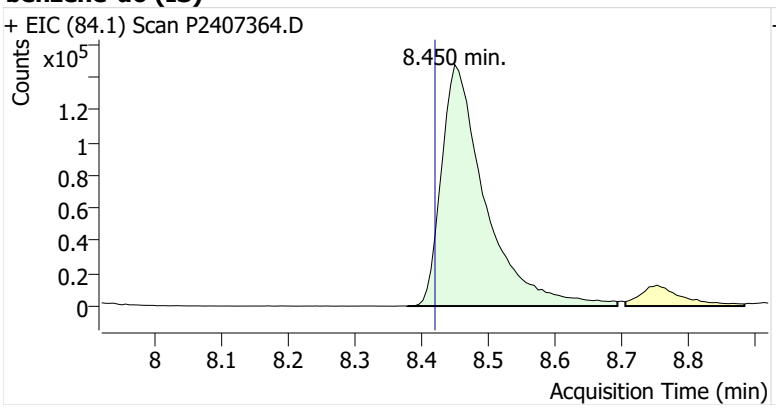
Name	IRVSEA-6-S-20241128
Comment	B15504; Recollect
Data File	P2407364.D
Acq. Date-Time	12/25/2024 7:40:38 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

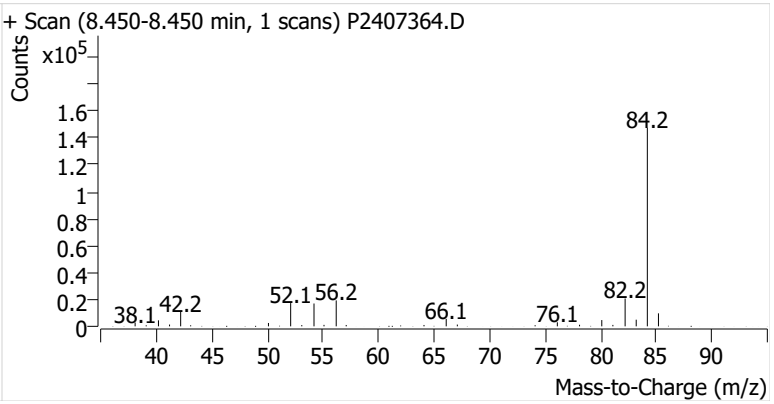
Sample Chromatogram



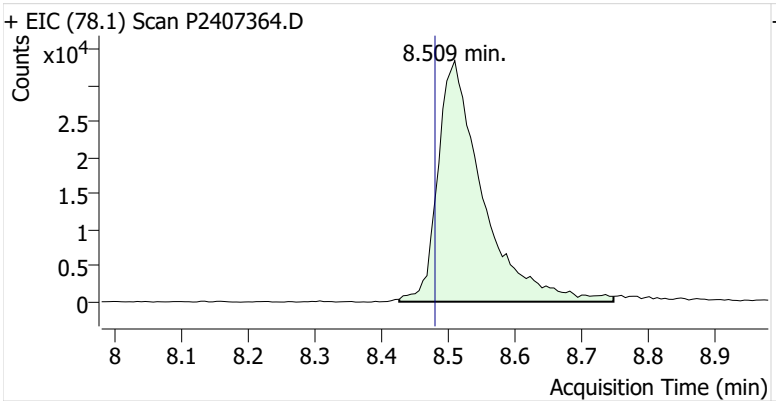
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.420	670,777	
Benzene	benzene-d6 (IS)	8.509	8.480	156,601	
Toluene-d8 (IS)		11.020	10.990	771,566	
Toluene	Toluene-d8 (IS)	11.109	11.085	349,485	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	58,572	
m-/p-Xylenes	Toluene-d8 (IS)	13.459	13.418	110,345	
o-Xylene	Toluene-d8 (IS)	13.934	13.887	42,056	

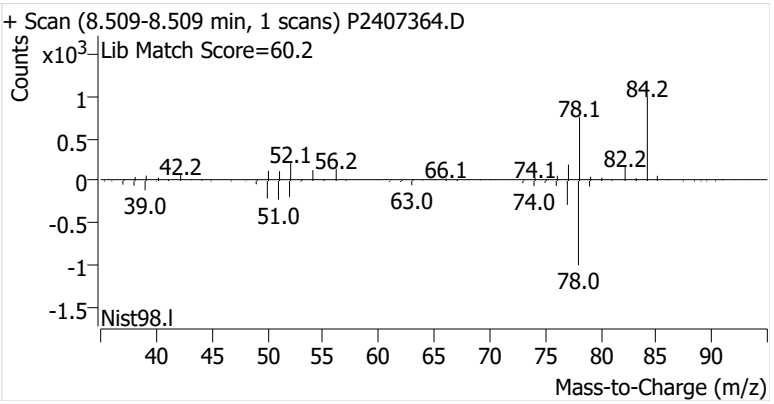
benzene-d6 (IS)



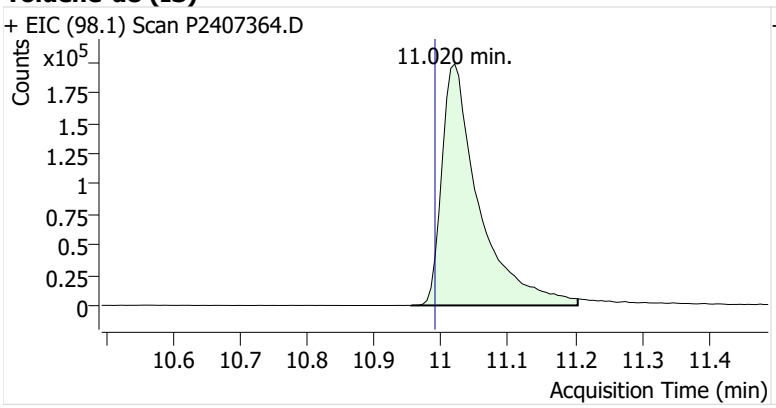


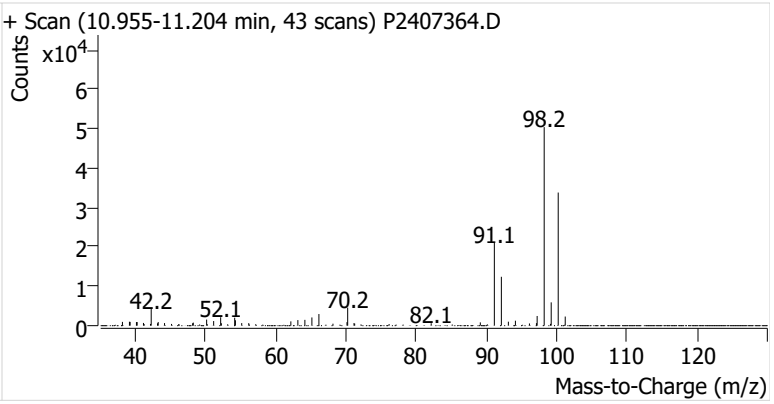
Benzene



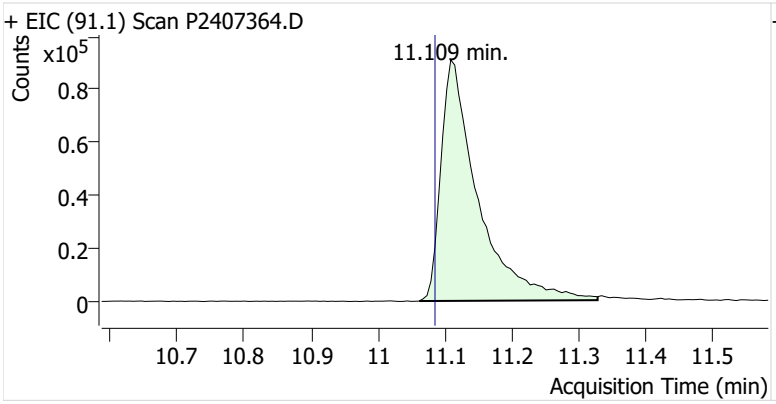


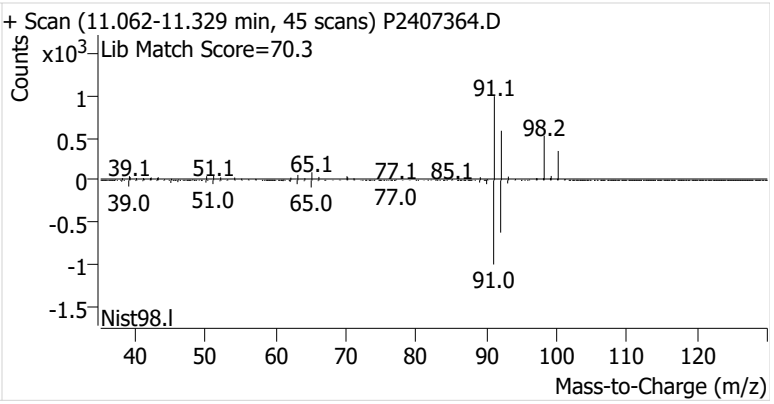
Toluene-d8 (IS)



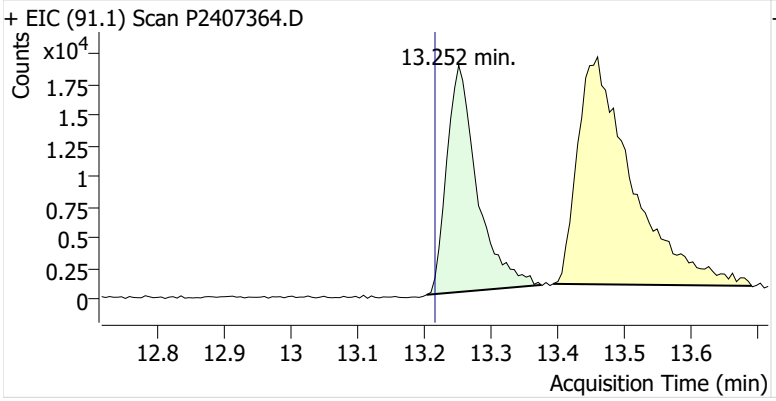


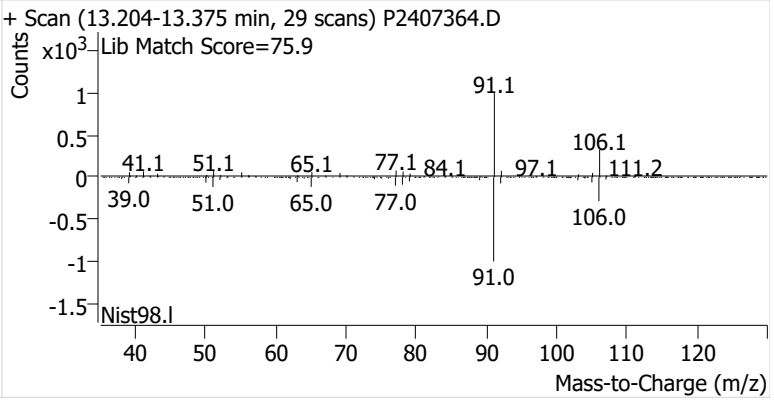
Toluene



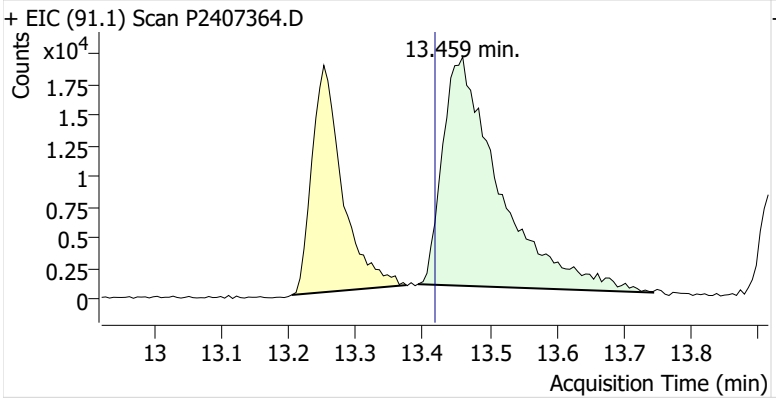


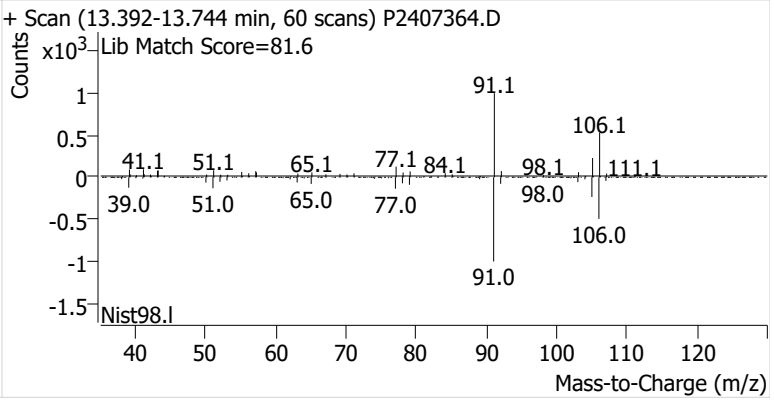
Ethylbenzene



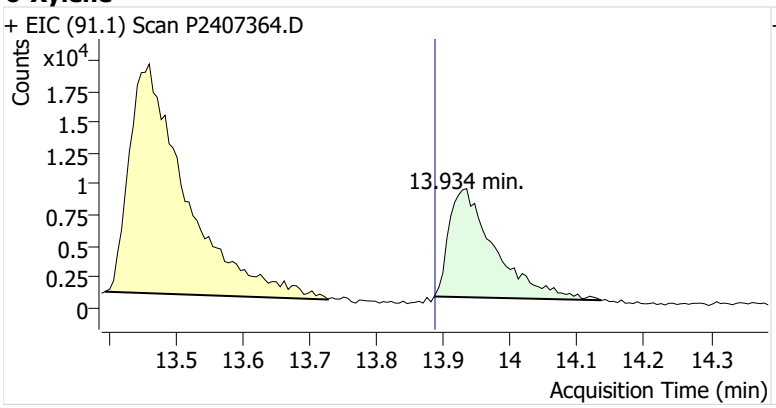


m-/p-Xylenes





o-Xylene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Counts
x10^4
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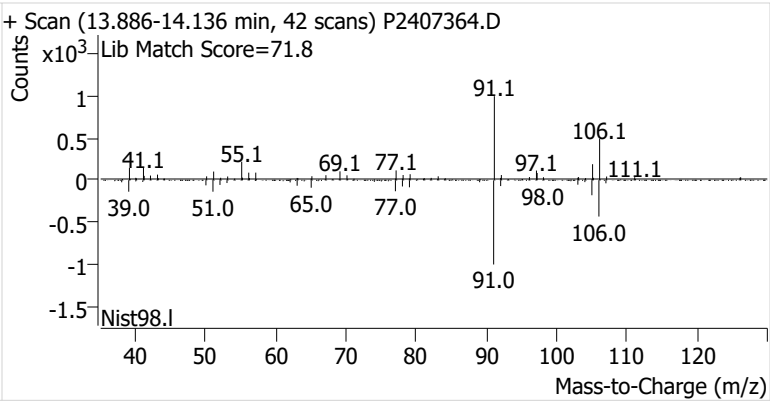
1.5
1.25
1
0.75
0.5
0.25
0
13.934 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.886-14.136 min, 42 scans) P2407364.D
Lib Match Score=71.8
Counts
x10^3
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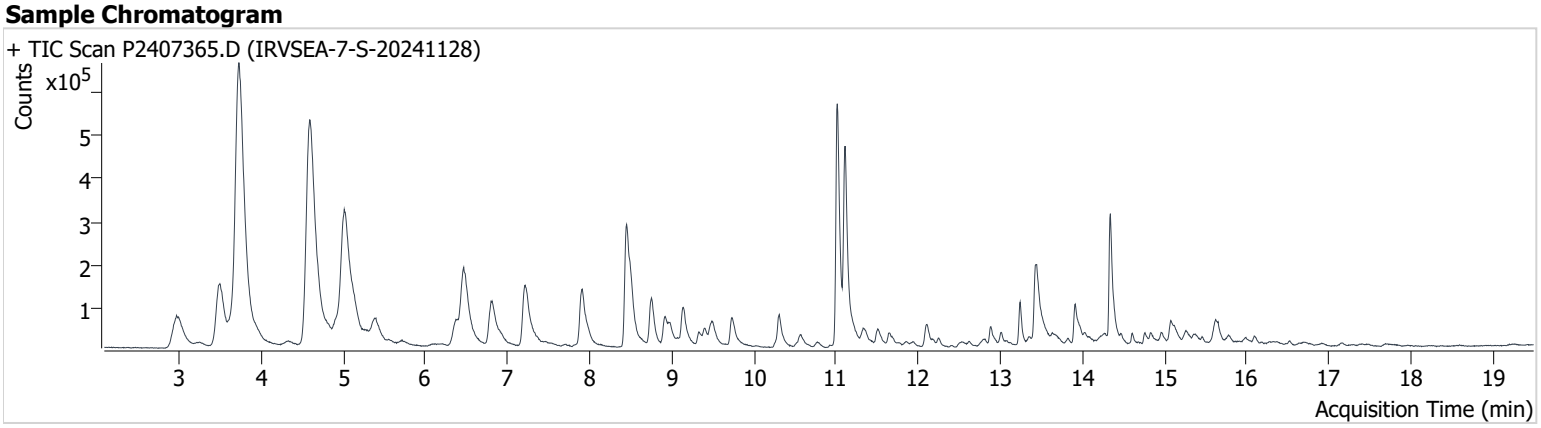
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

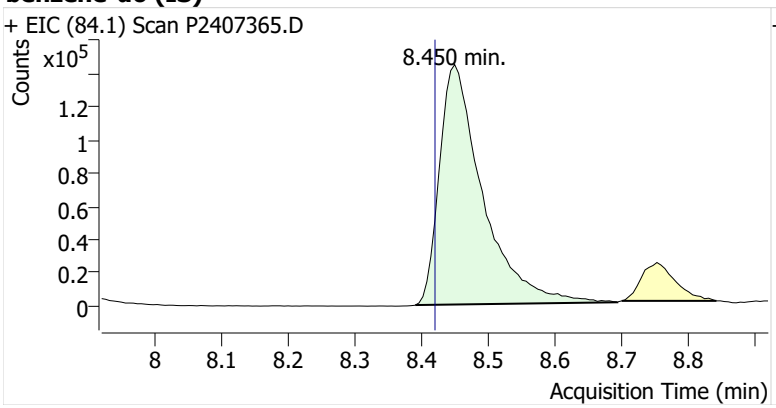
Name	IRVSEA-7-S-20241128
Comment	C43279; Recollect
Data File	P2407365.D
Acq. Date-Time	12/25/2024 8:15:41 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

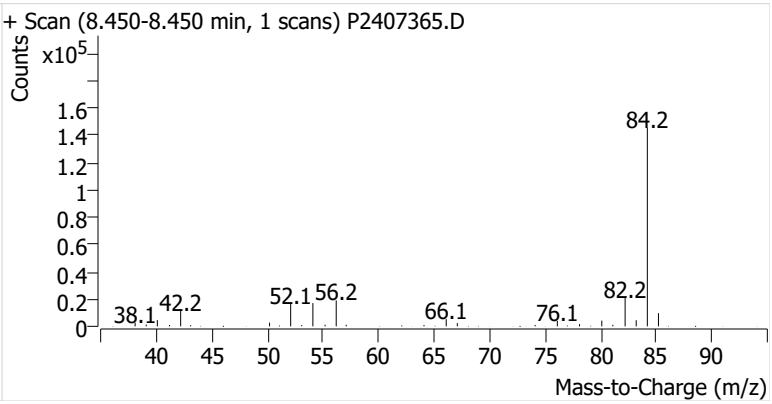
Sample Chromatogram



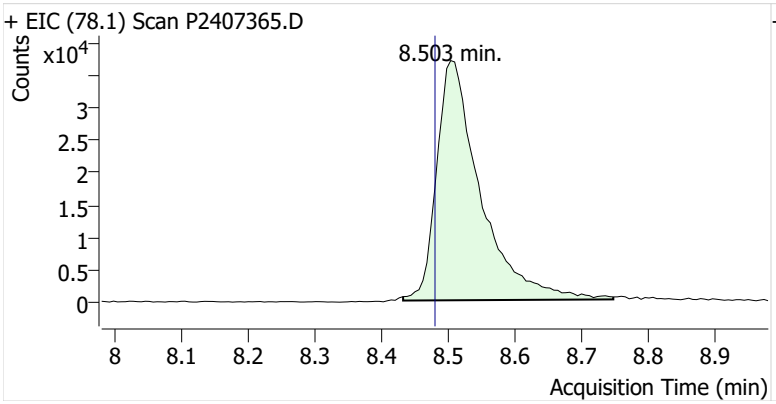
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.420	647,737	
Benzene	benzene-d6 (IS)	8.503	8.480	169,220	
Toluene-d8 (IS)		11.014	10.990	803,729	
Toluene	Toluene-d8 (IS)	11.109	11.085	636,303	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	124,469	
m-/p-Xylenes	Toluene-d8 (IS)	13.430	13.418	288,684	
o-Xylene	Toluene-d8 (IS)	13.910	13.887	136,364	

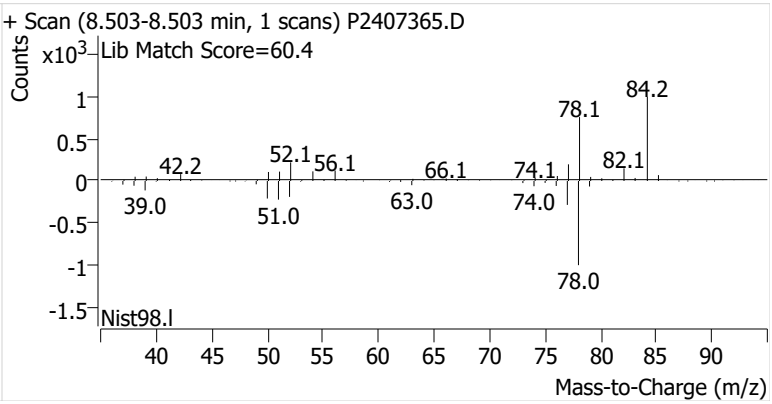
benzene-d6 (IS)



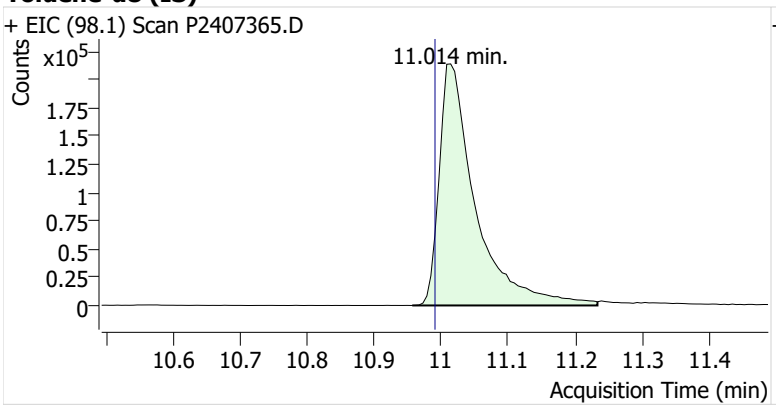


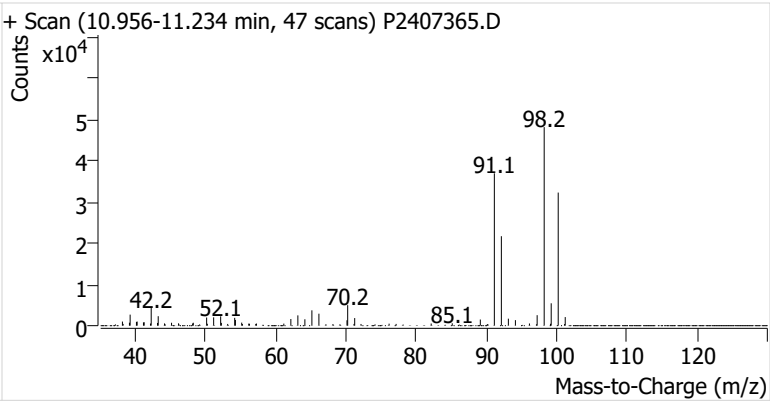
Benzene



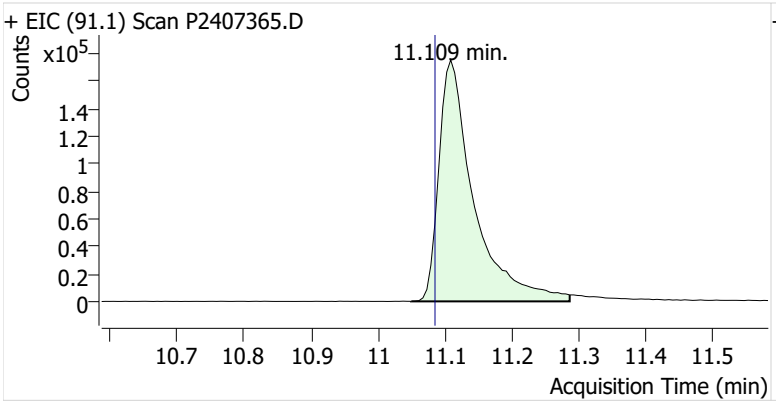


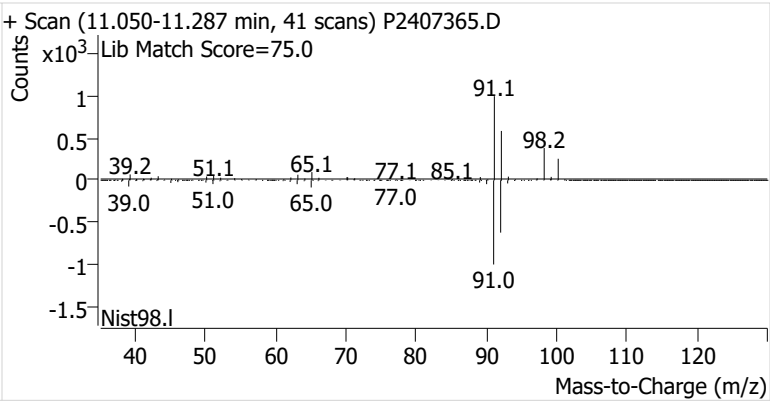
Toluene-d8 (IS)



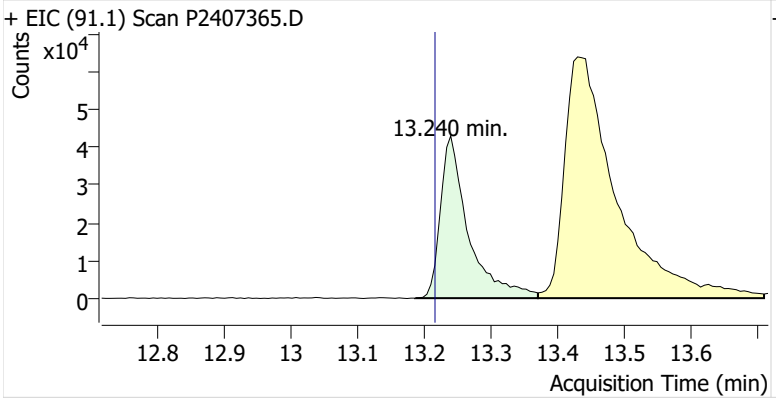


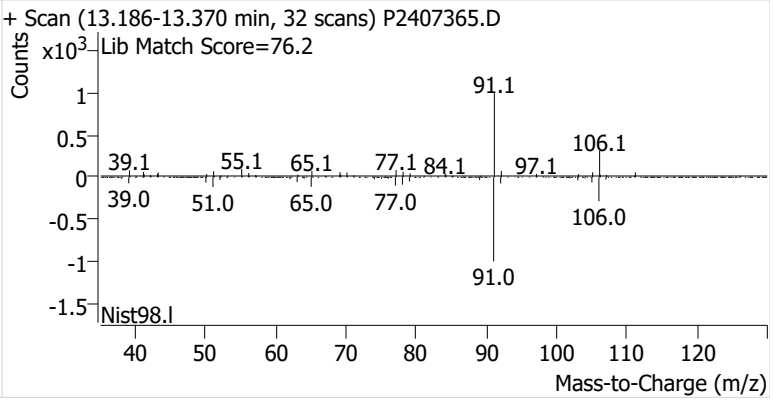
Toluene



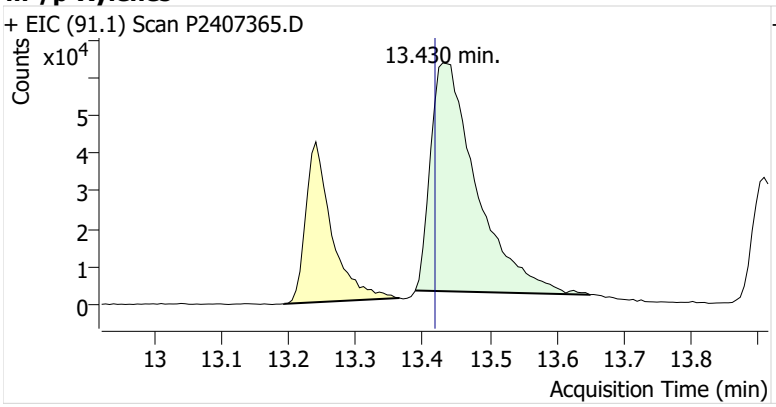


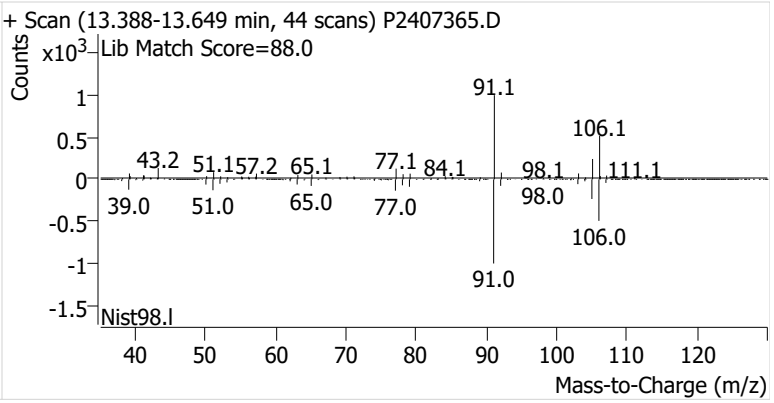
Ethylbenzene



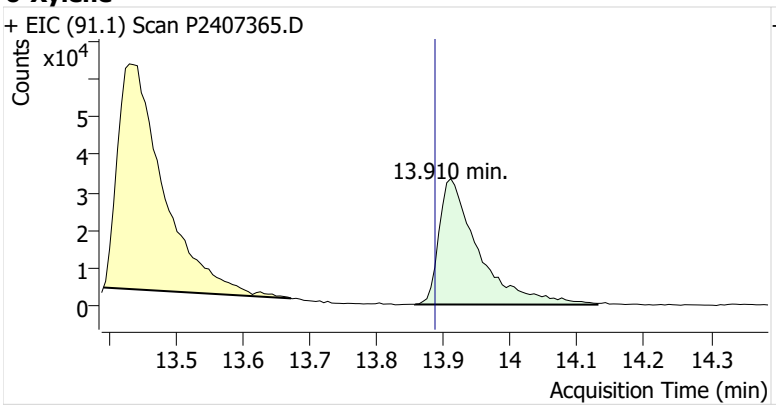


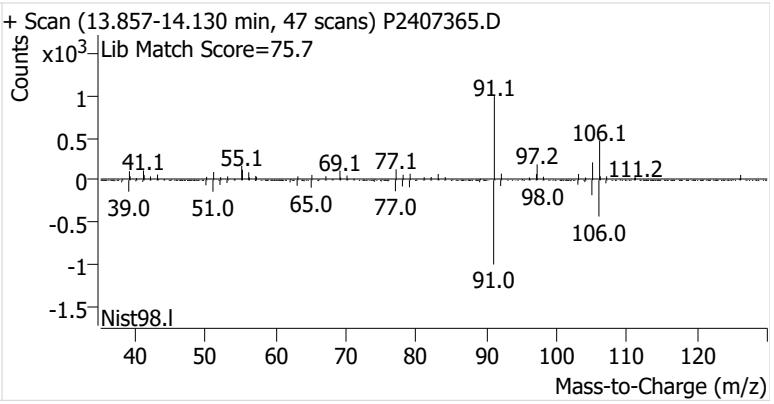
m-/p-Xylenes





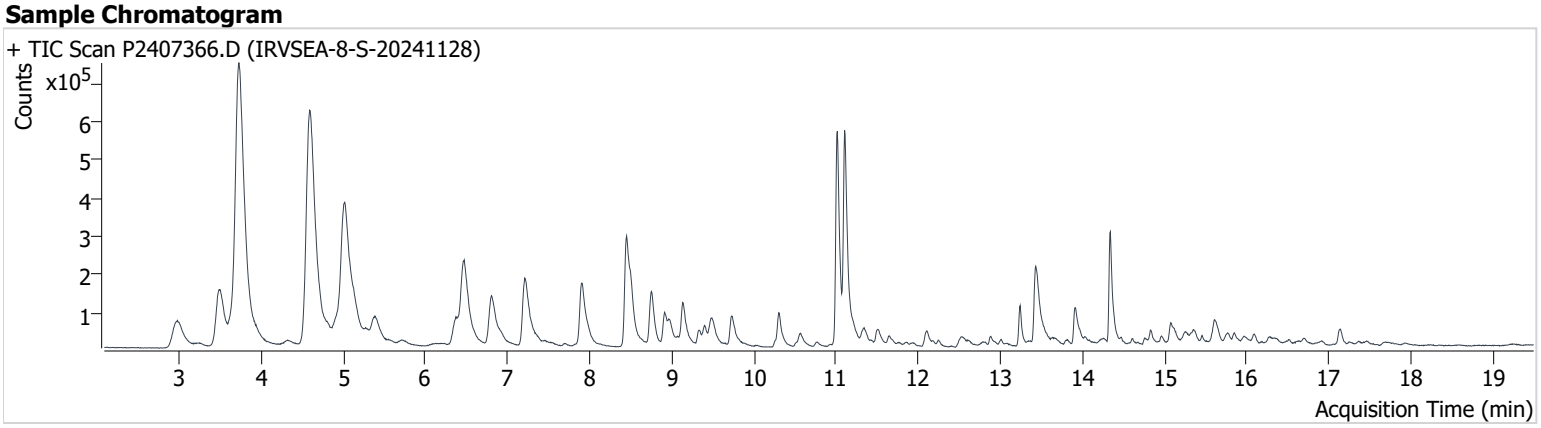
o-Xylene


+ EIC (91.1) Scan P2407365.D
Counts
x10^4
13.910 min.
Acquisition Time (min)


+ Scan (13.857-14.130 min, 47 scans) P2407365.D
Counts
x10^3
Lib Match Score=75.7
91.1
106.1
41.1
55.1
69.1
77.1
97.2
111.2
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

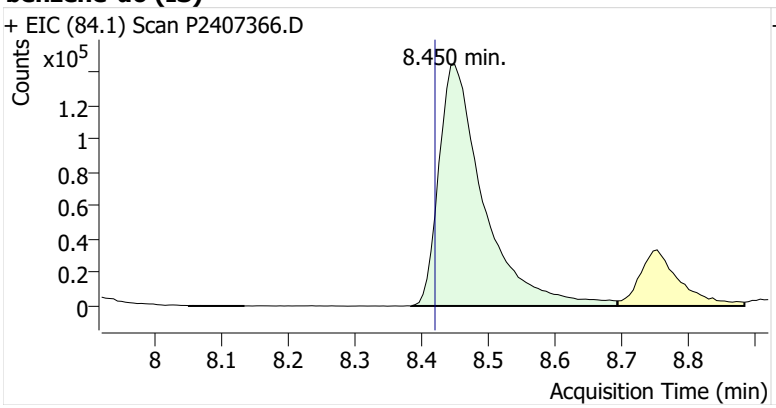
Name	IRVSEA-8-S-20241128
Comment	C43361; Recollect
Data File	P2407366.D
Acq. Date-Time	12/25/2024 8:50:57 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

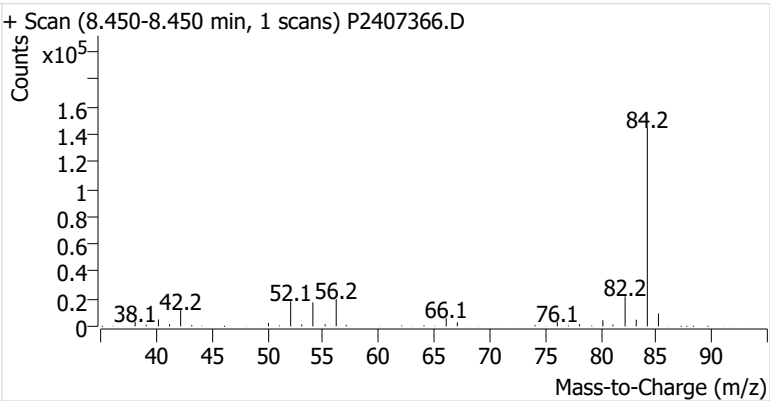
Sample Chromatogram



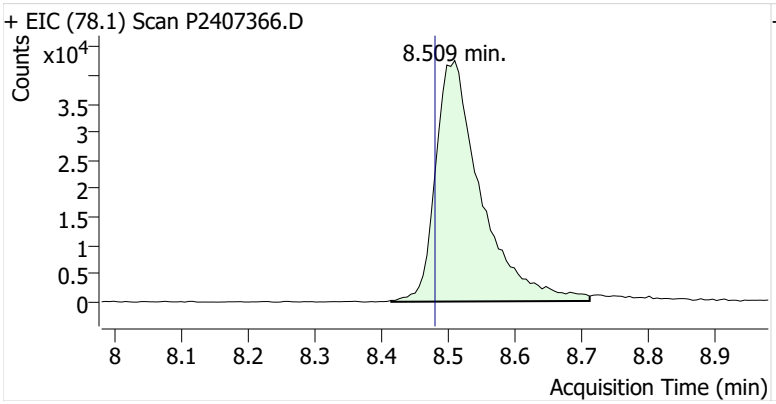
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.420	674,140	
Benzene	benzene-d6 (IS)	8.509	8.480	200,957	
Toluene-d8 (IS)		11.014	10.990	776,141	
Toluene	Toluene-d8 (IS)	11.103	11.085	797,798	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	136,720	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.418	373,320	
o-Xylene	Toluene-d8 (IS)	13.911	13.887	142,280	

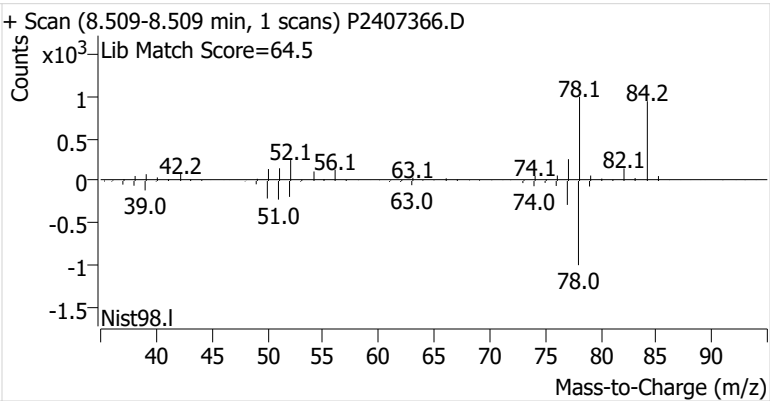
benzene-d6 (IS)



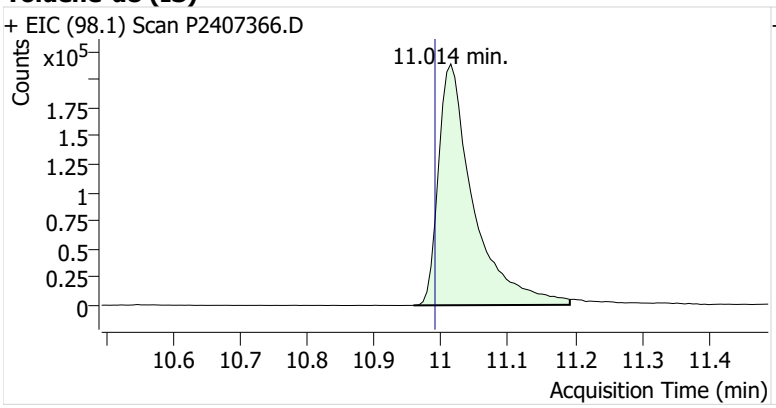


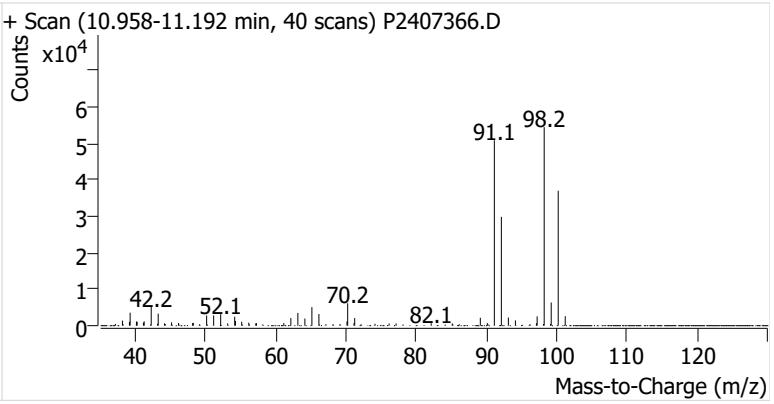
Benzene



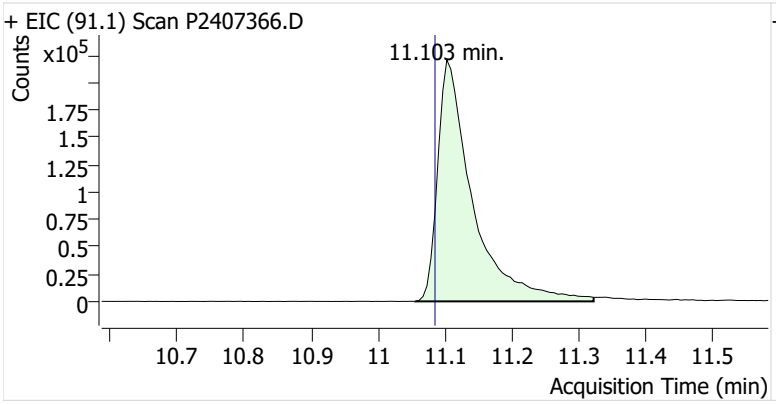


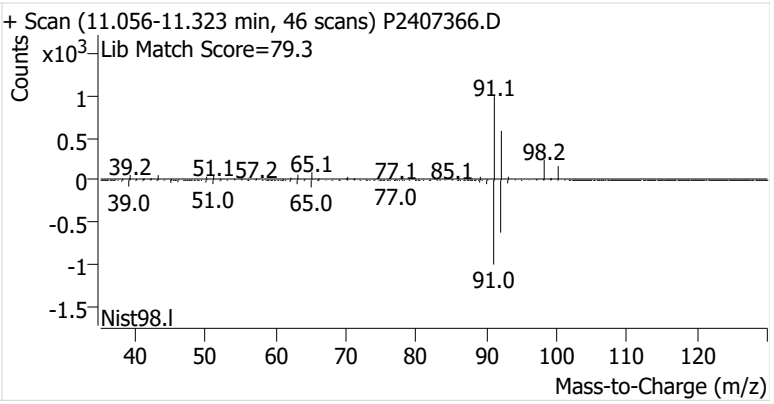
Toluene-d8 (IS)



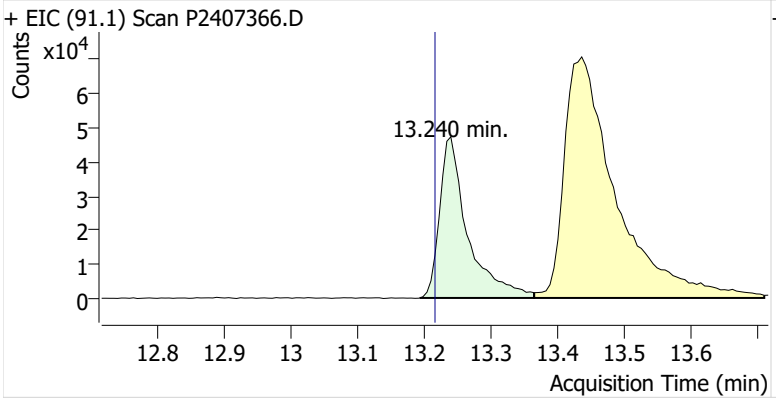


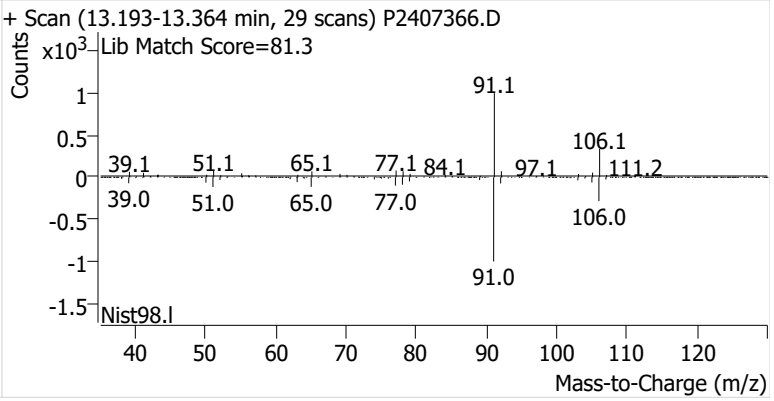
Toluene



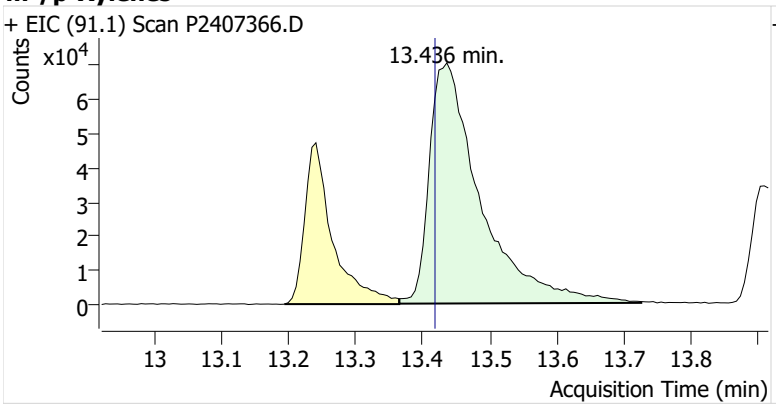


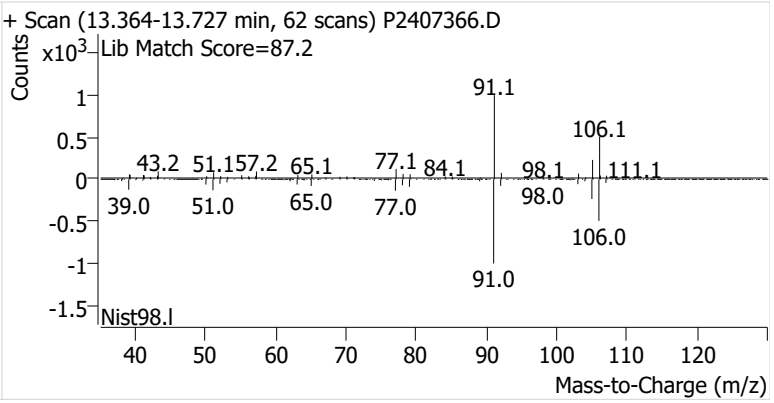
Ethylbenzene



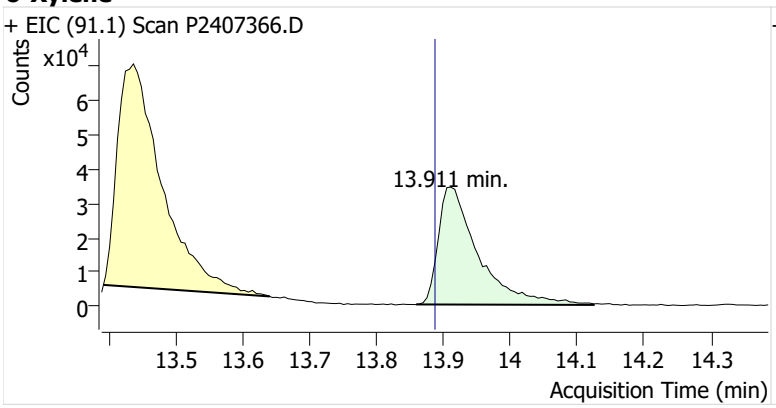


m-/p-Xylenes





o-Xylene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Counts
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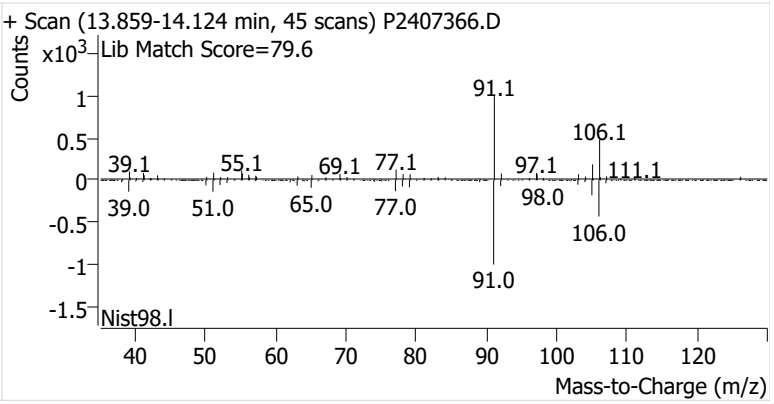
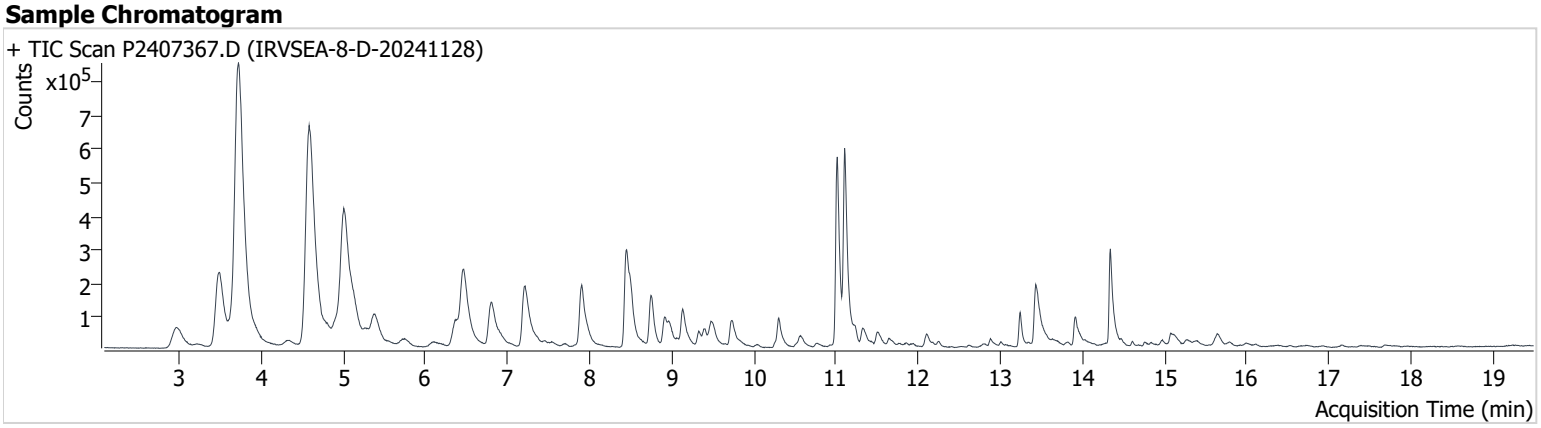
13.911 min.
Acquisition Time (min)


+ Scan (13.859-14.124 min, 45 scans) P2407366.D
Lib Match Score=79.6
Counts
x10^3
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

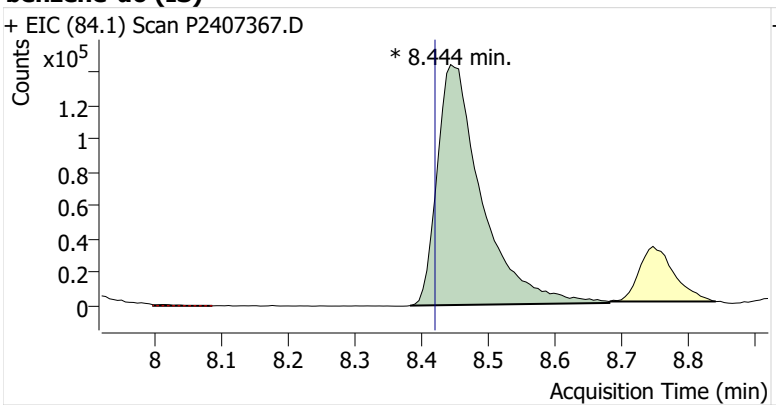
Name	IRVSEA-8-D-20241128
Comment	C01376; Recollect
Data File	P2407367.D
Acq. Date-Time	12/25/2024 9:26:02 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

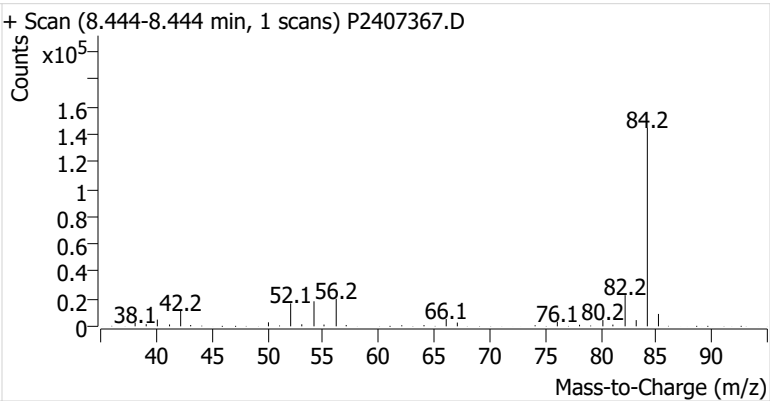
Sample Chromatogram



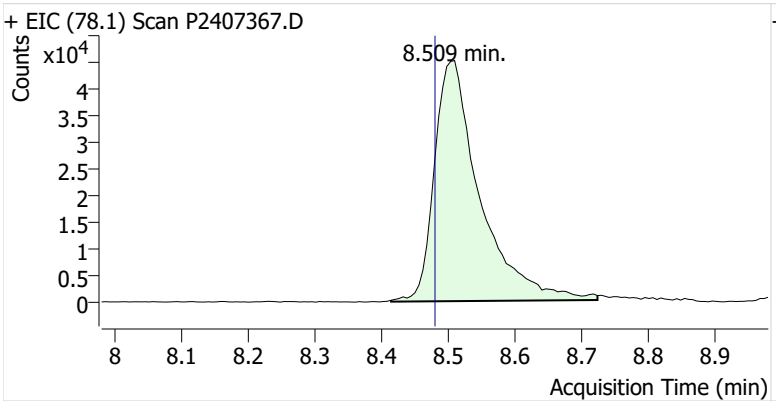
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	665,992	m
Benzene	benzene-d6 (IS)	8.509	8.480	213,945	
Toluene-d8 (IS)		11.014	10.990	788,622	
Toluene	Toluene-d8 (IS)	11.103	11.085	819,603	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	131,286	
m-/p-Xylenes	Toluene-d8 (IS)	13.430	13.418	333,459	
o-Xylene	Toluene-d8 (IS)	13.916	13.887	137,469	

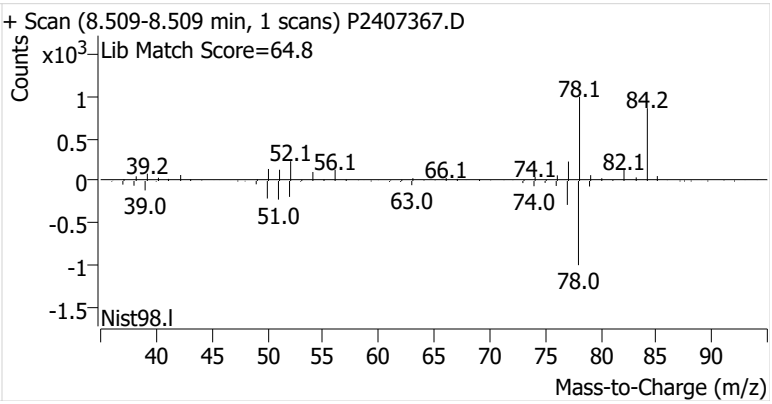
benzene-d6 (IS)



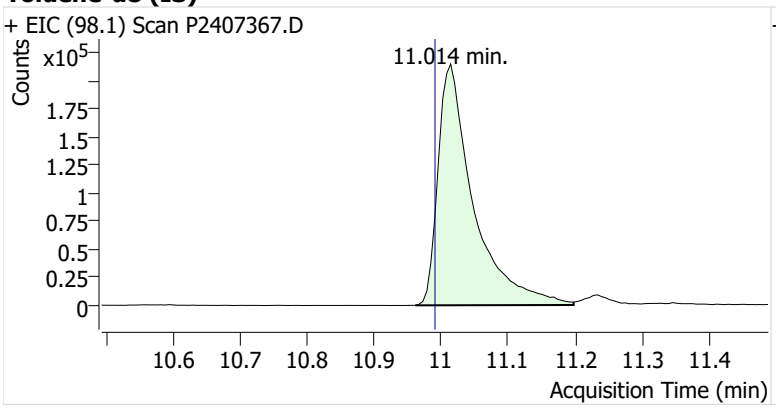


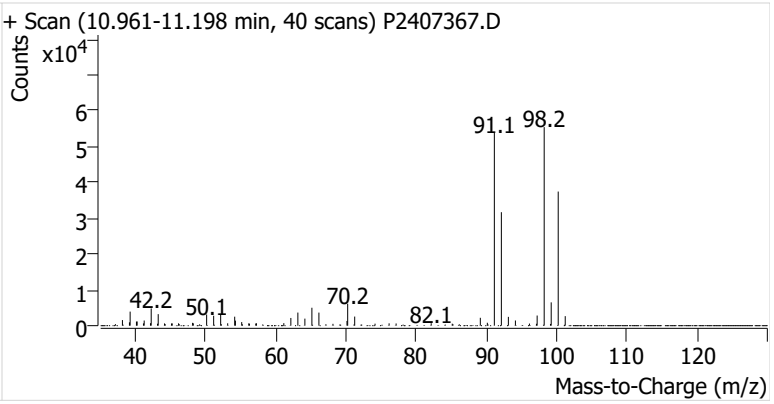
Benzene



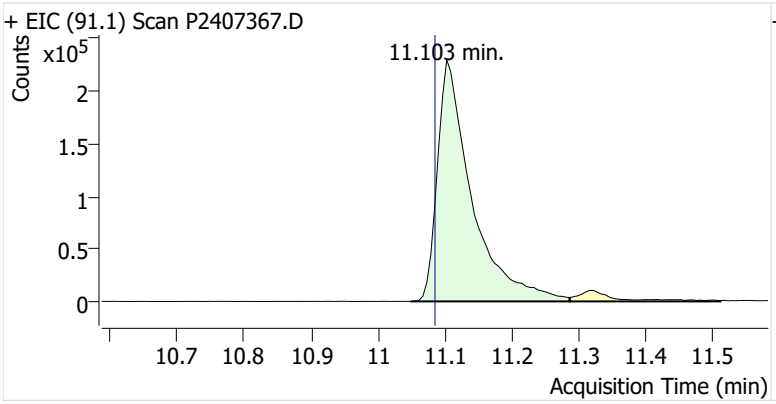


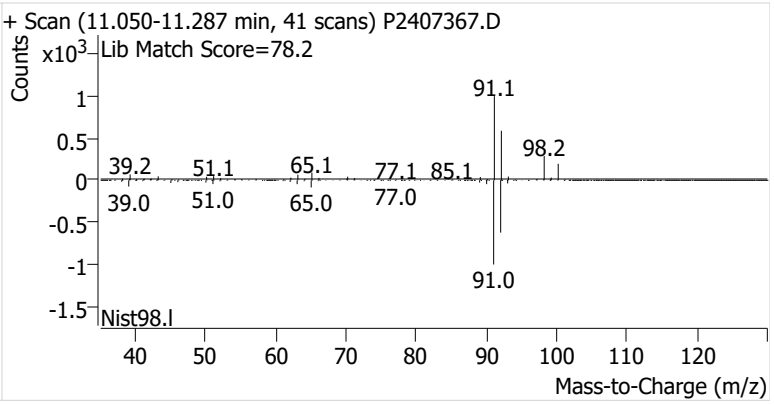
Toluene-d8 (IS)



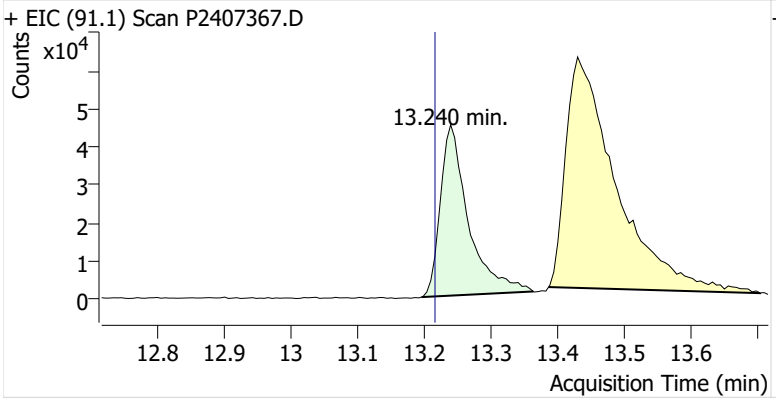


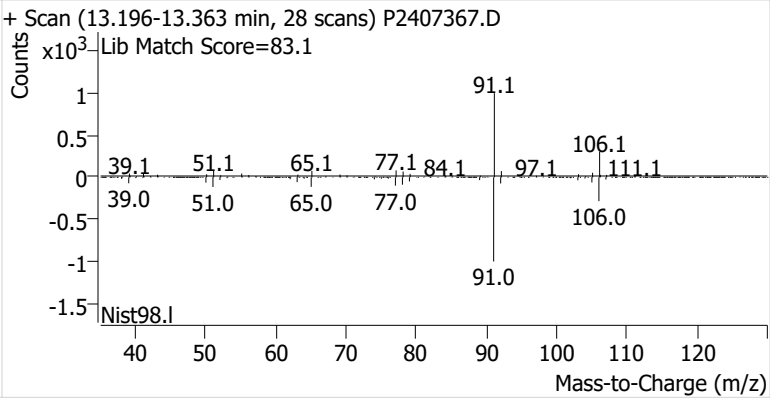
Toluene



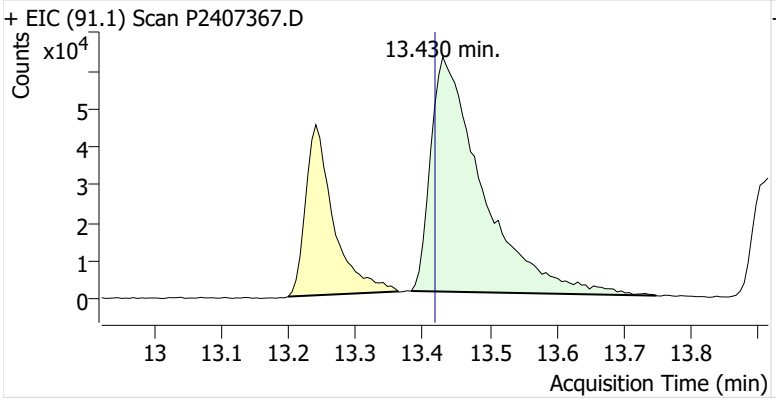


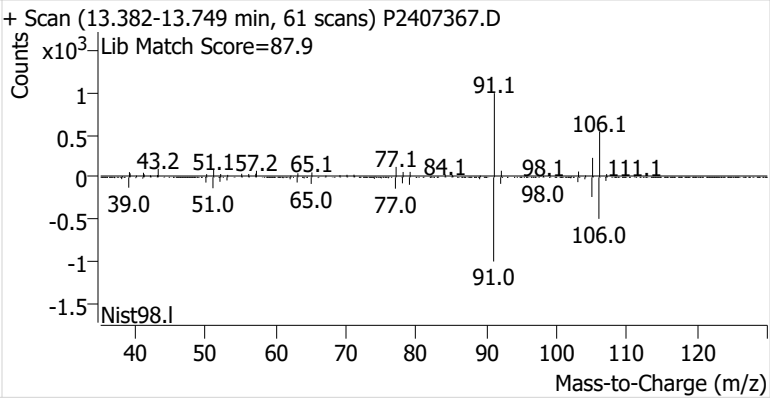
Ethylbenzene



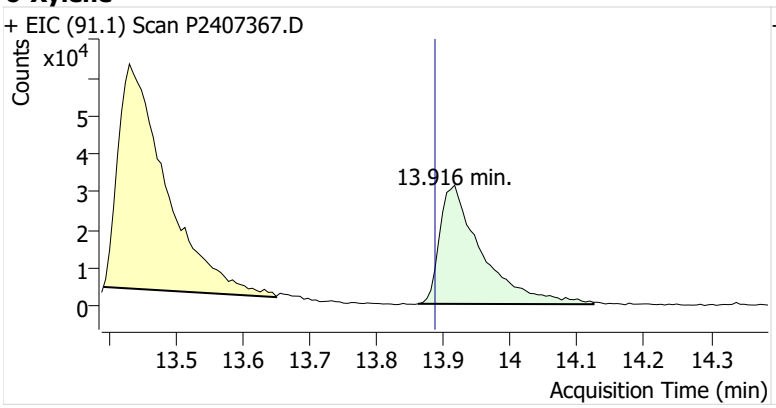


m-/p-Xylenes





o-Xylene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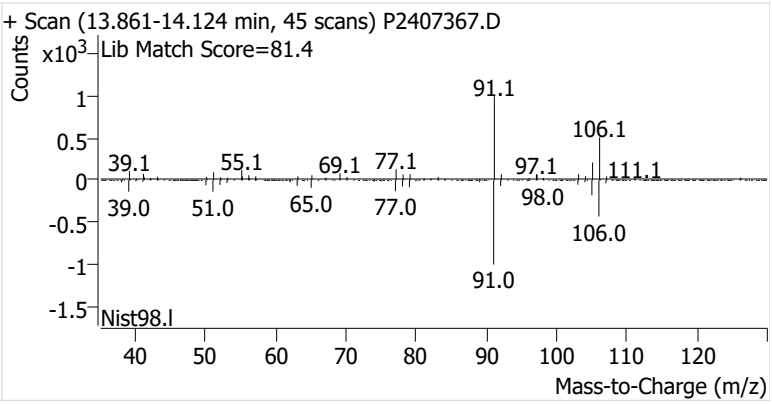
Counts
x10^4
13.916 min.
Acquisition Time (min)


+ Scan (13.861-14.124 min, 45 scans) P2407367.D
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x10^3
Lib Match Score=81.4
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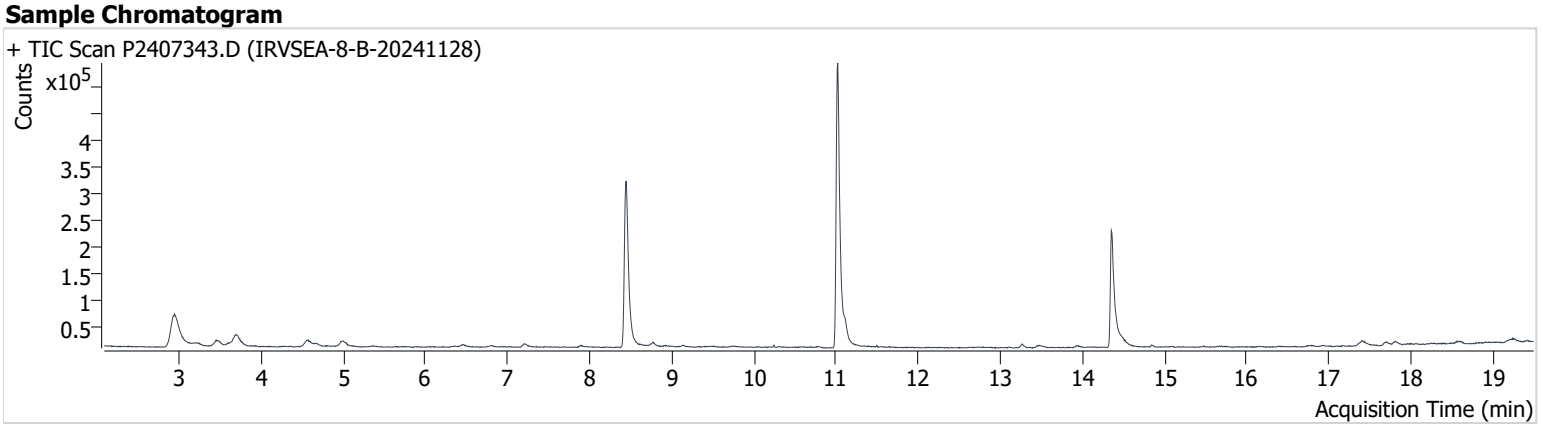
106.1
39.1
55.1
69.1
77.1
97.1
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

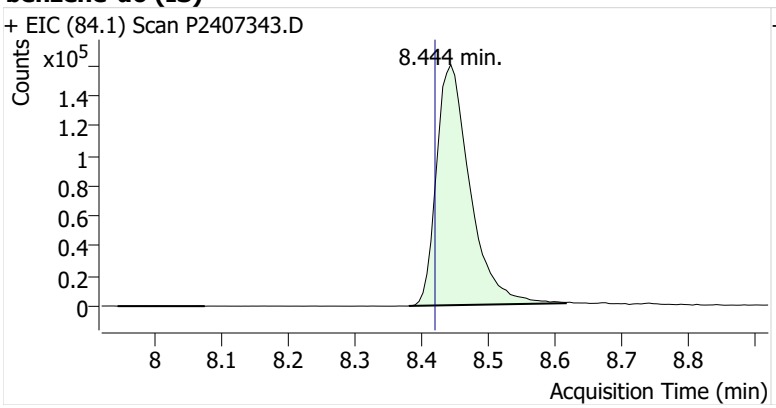
Name	IRVSEA-8-B-20241128
Comment	C43699; Recollect
Data File	P2407343.D
Acq. Date-Time	12/25/2024 2:49:00 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

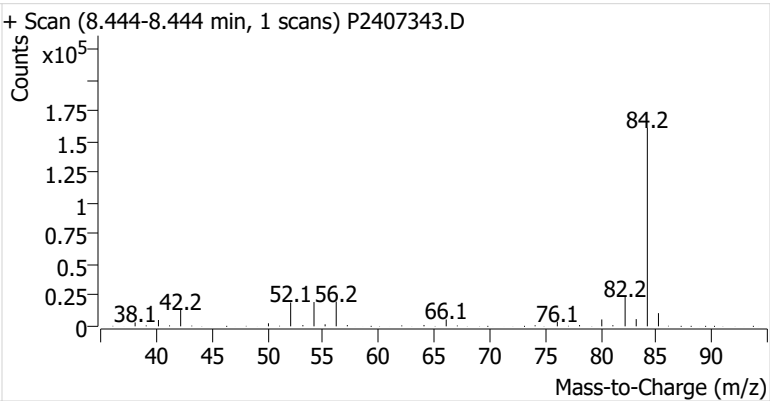
Sample Chromatogram



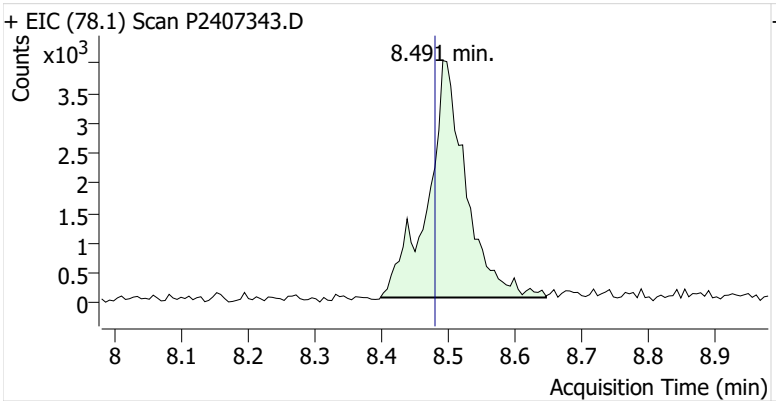
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	560,214	
Benzene	benzene-d6 (IS)	8.491	8.480	15,914	
Toluene-d8 (IS)		11.020	10.990	670,101	
Toluene	Toluene-d8 (IS)	11.115	11.085	33,118	
Ethylbenzene	Toluene-d8 (IS)	13.269	13.216	7,550	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.418	8,621	
o-Xylene	Toluene-d8 (IS)	13.940	13.887	5,407	

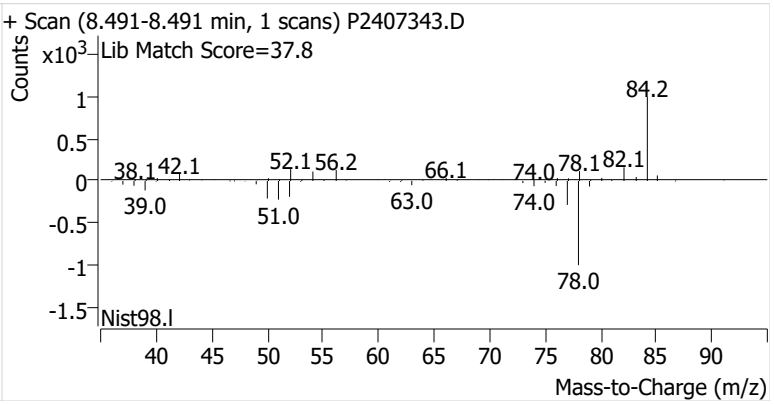
benzene-d6 (IS)



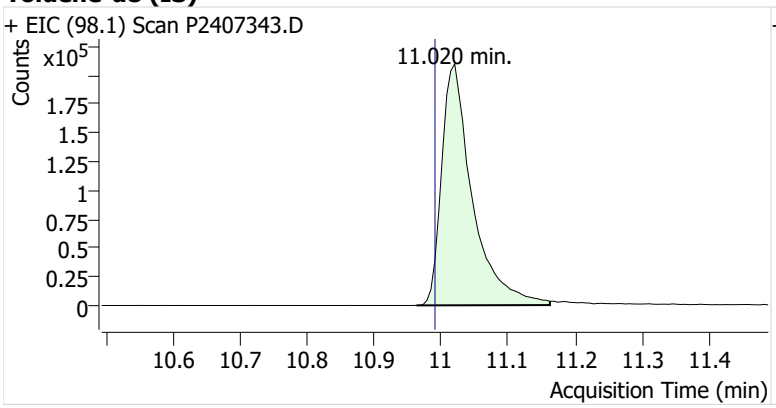


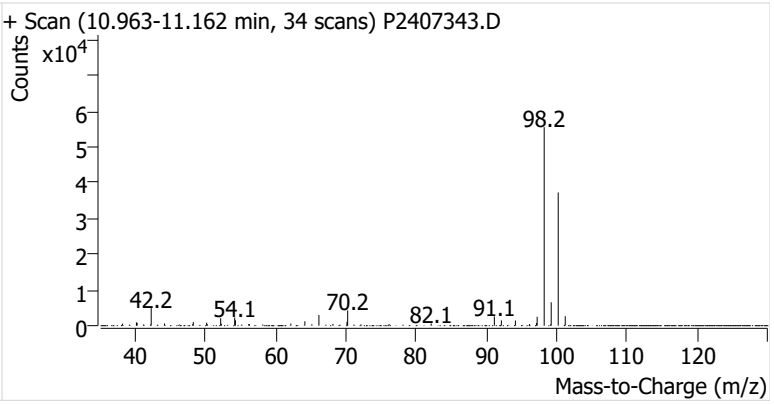
Benzene



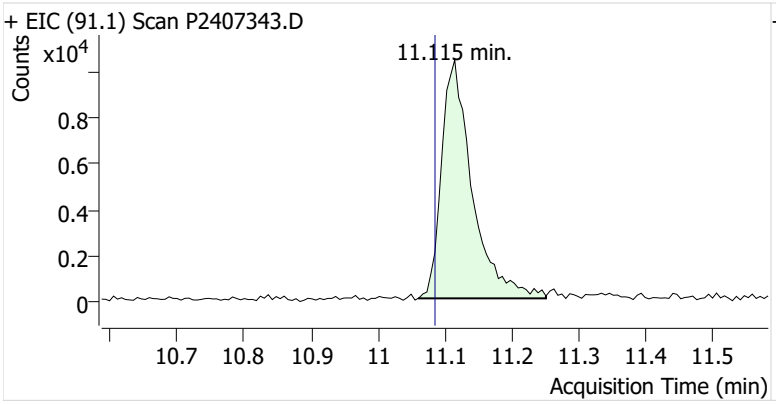


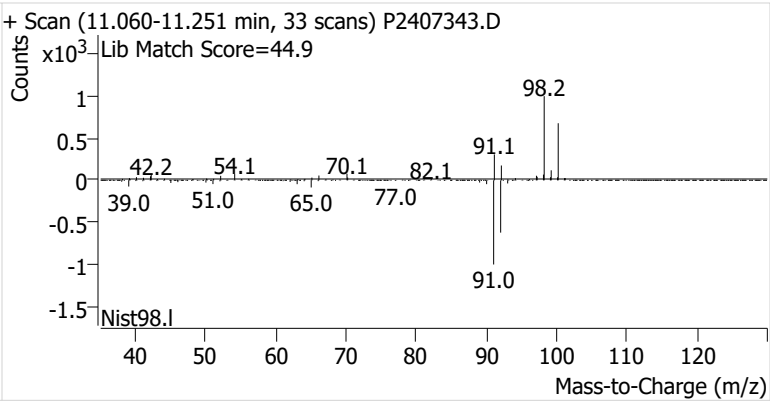
Toluene-d8 (IS)



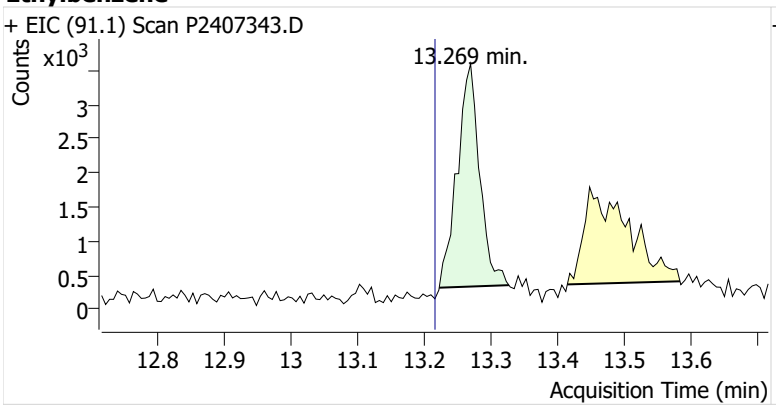


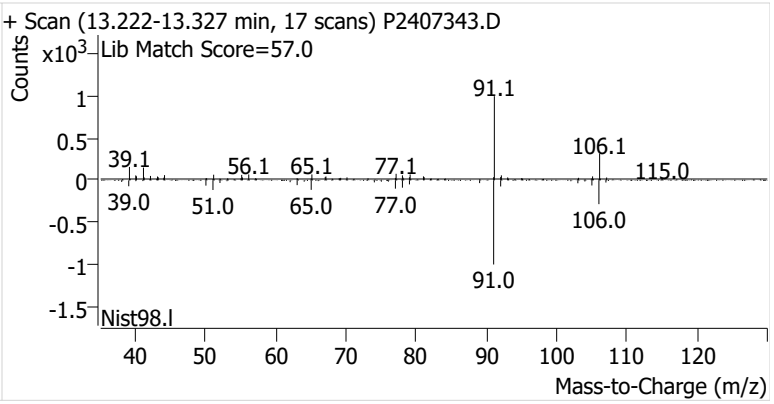
Toluene



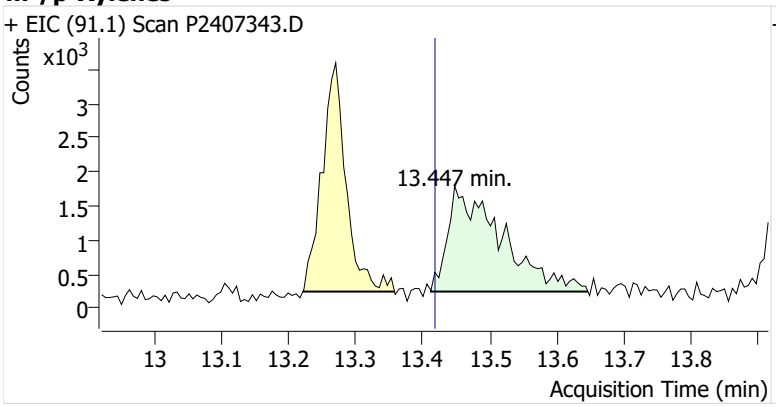


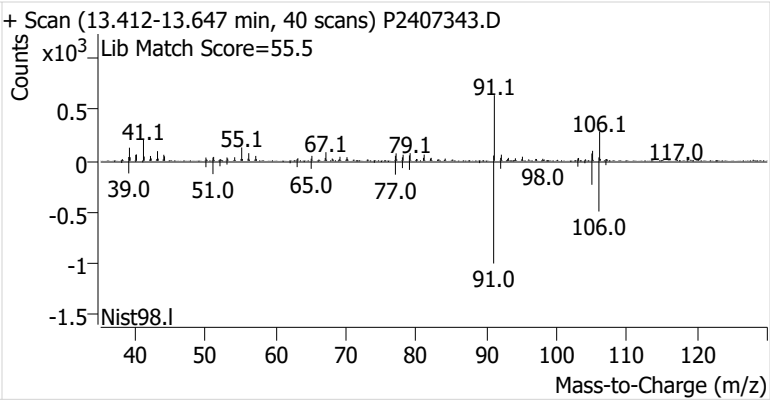
Ethylbenzene



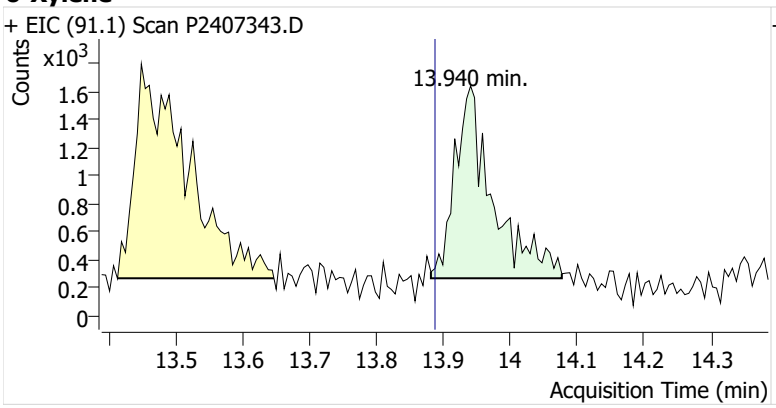


m-/p-Xylenes





o-Xylene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Counts
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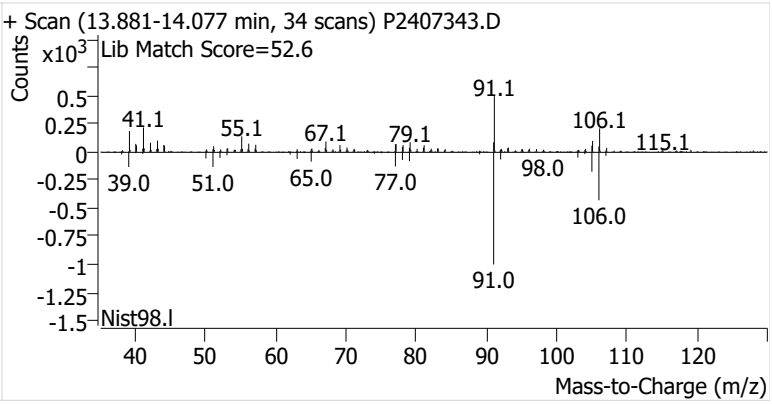
1.2
1
0.8
0.6
0.4
0.2
0
13.940 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Counts
x10^3
Lib Match Score=52.6
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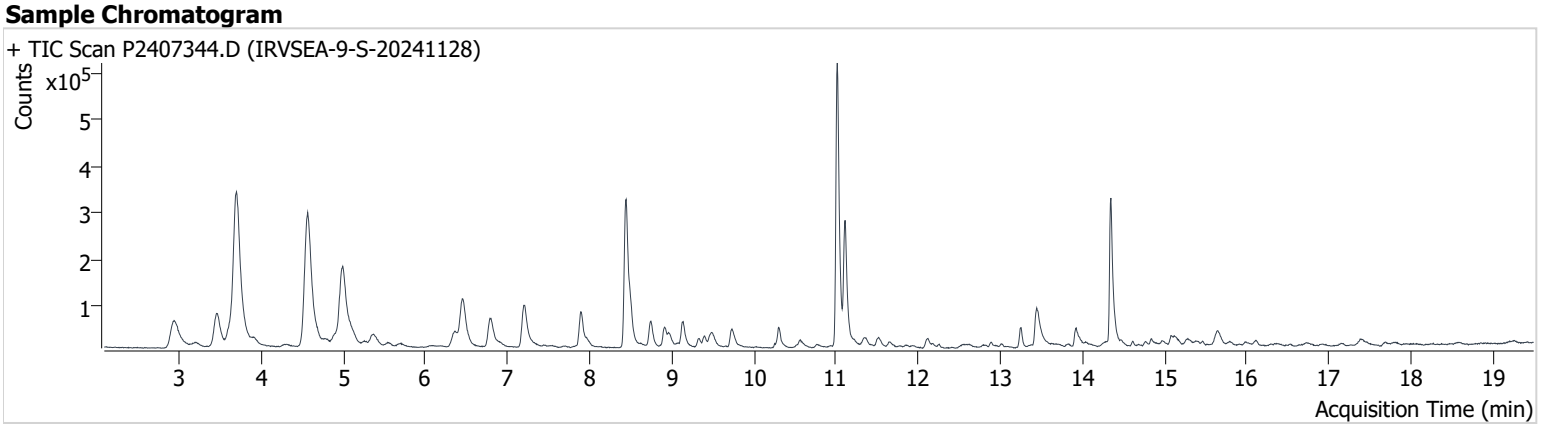
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
-1.5
41.1
55.1
67.1
79.1
91.1
106.1
115.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

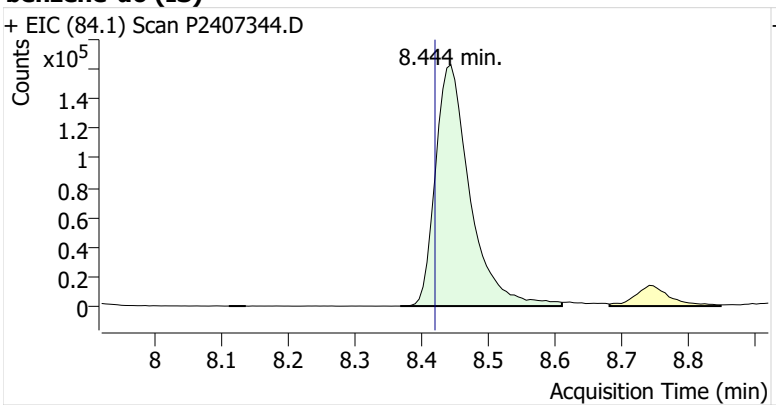
Name	IRVSEA-9-S-20241128
Comment	C24217; Recollect
Data File	P2407344.D
Acq. Date-Time	12/25/2024 3:24:04 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

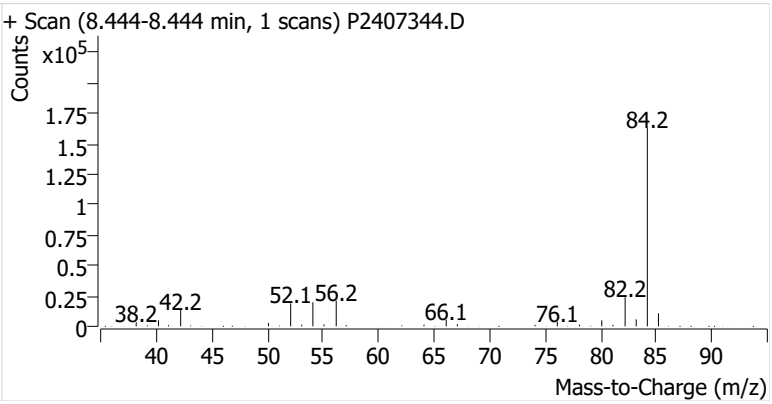
Sample Chromatogram



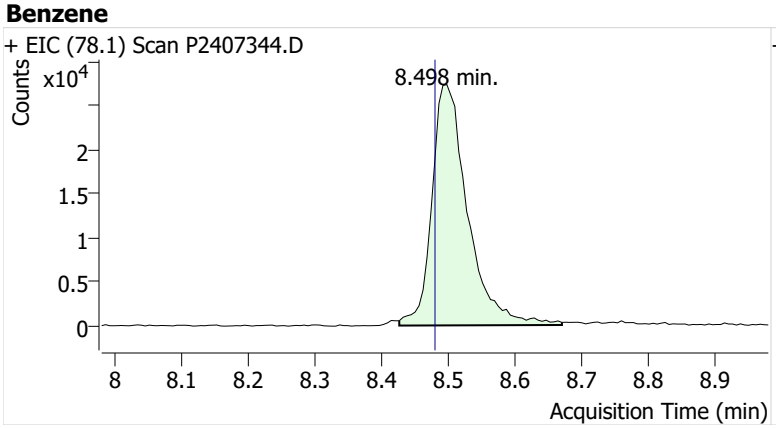
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	585,165	
Benzene	benzene-d6 (IS)	8.498	8.480	101,622	
Toluene-d8 (IS)		11.014	10.990	700,852	
Toluene	Toluene-d8 (IS)	11.109	11.085	317,402	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	51,918	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.418	139,114	
o-Xylene	Toluene-d8 (IS)	13.917	13.887	55,440	

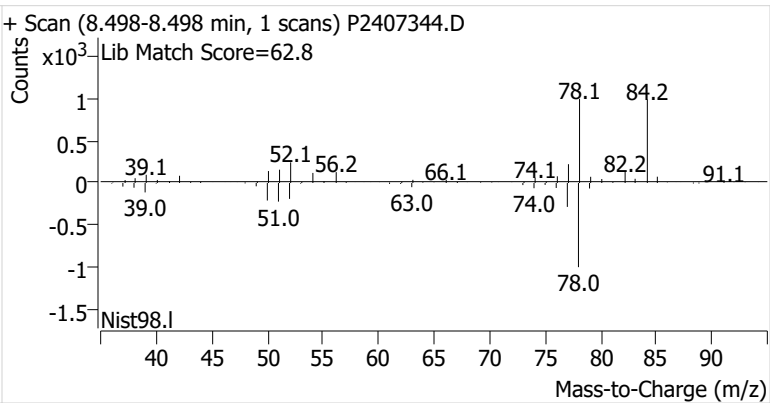
benzene-d6 (IS)



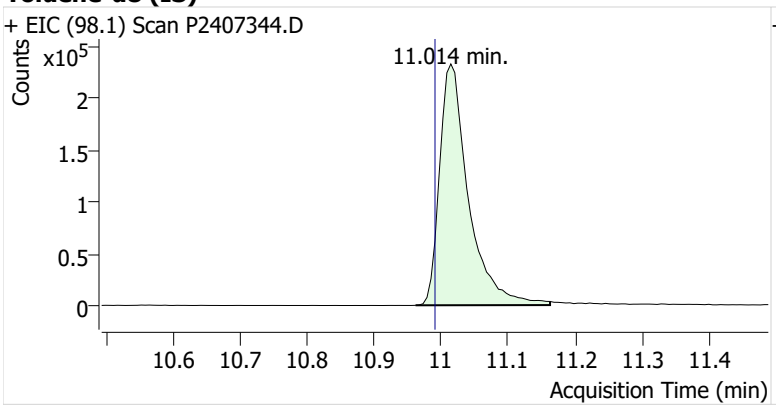


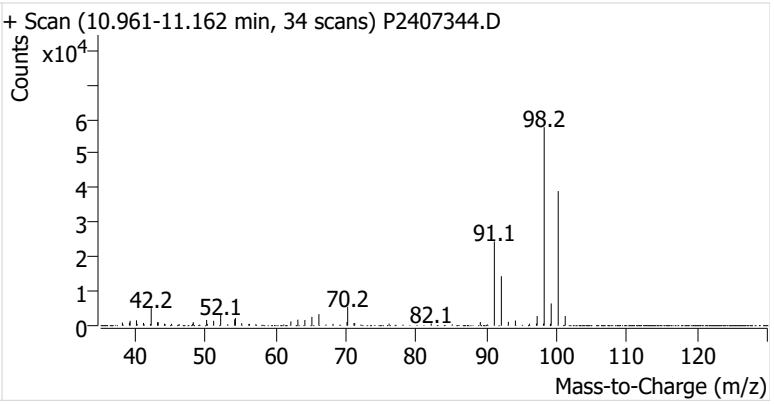
Benzene



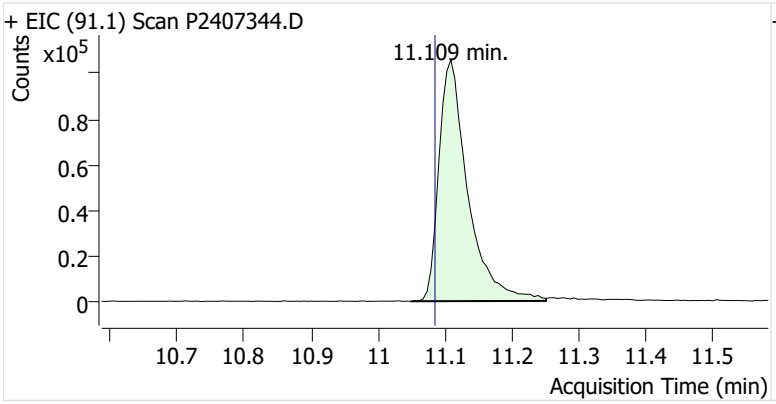


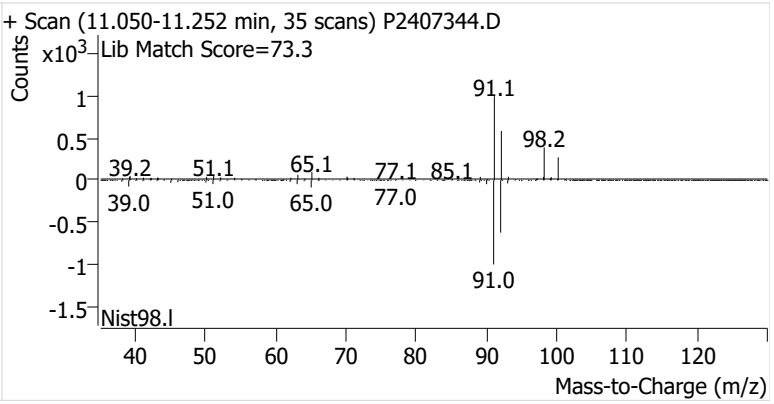
Toluene-d8 (IS)



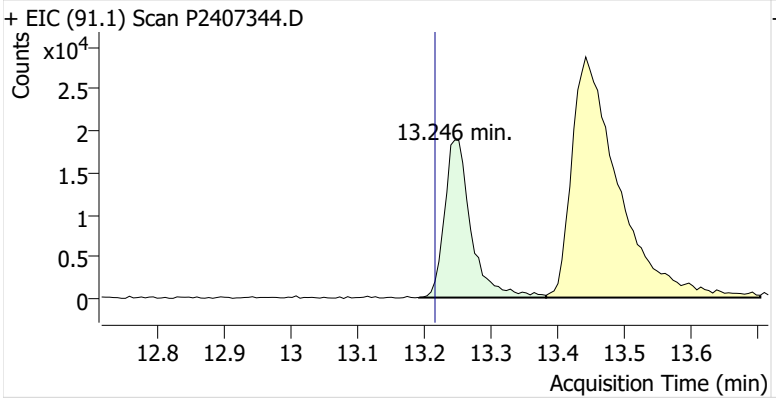


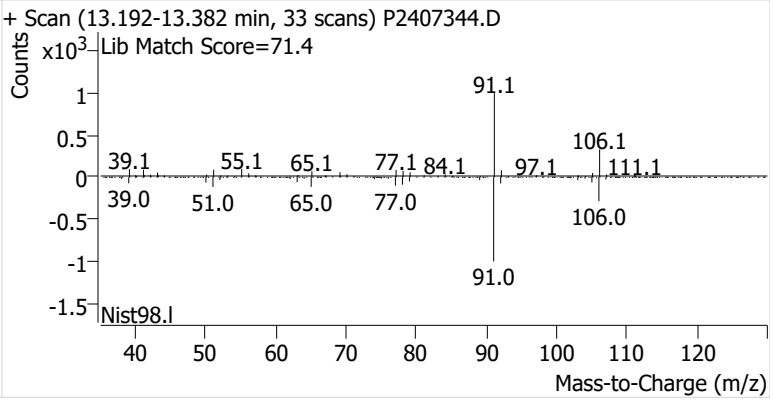
Toluene



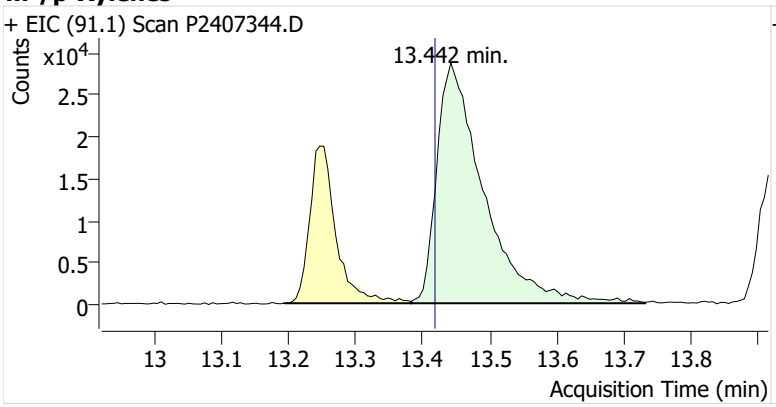


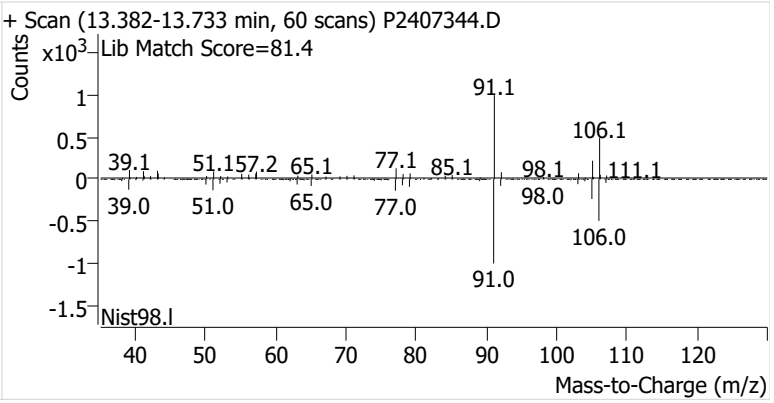
Ethylbenzene



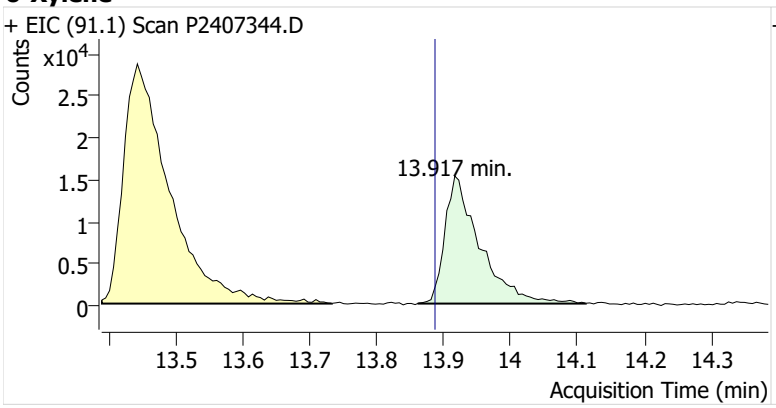


m-/p-Xylenes





o-Xylene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0.5
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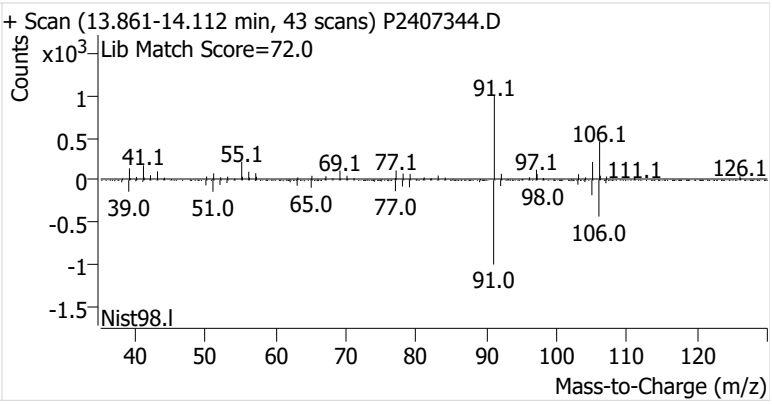
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.861-14.112 min, 43 scans) P2407344.D
Counts
x10^3
Lib Match Score=72.0
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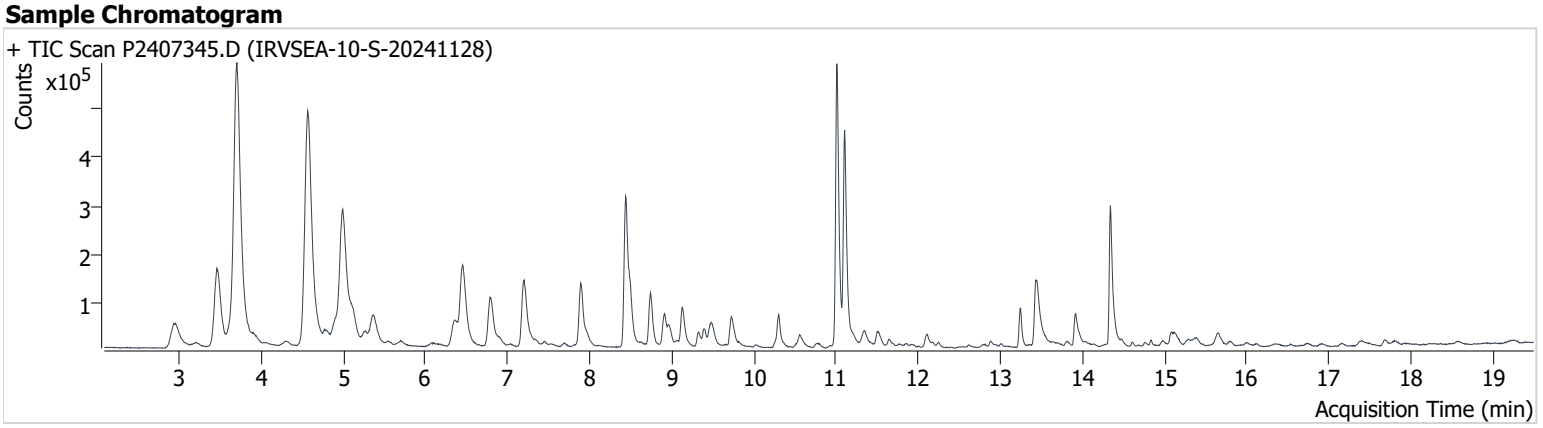
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

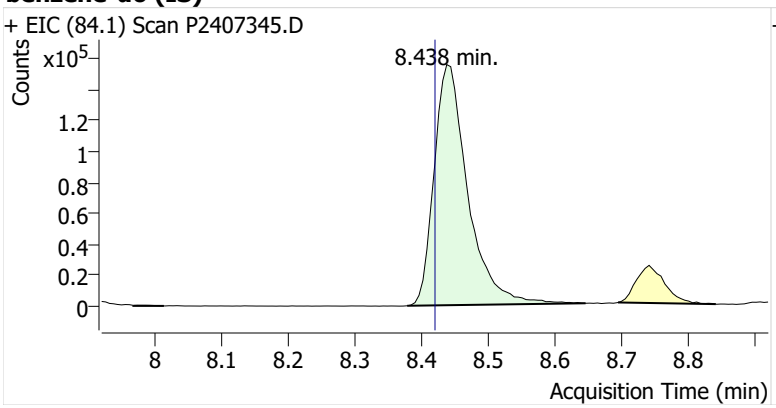
Name	IRVSEA-10-S-20241128
Comment	C01908; Recollect
Data File	P2407345.D
Acq. Date-Time	12/25/2024 3:59:10 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

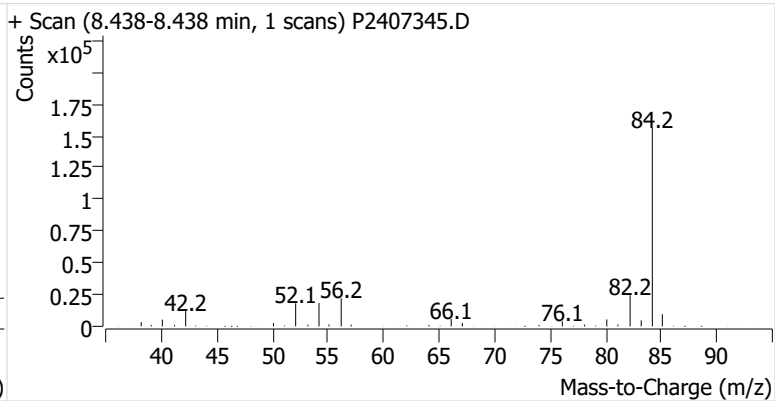
Sample Chromatogram



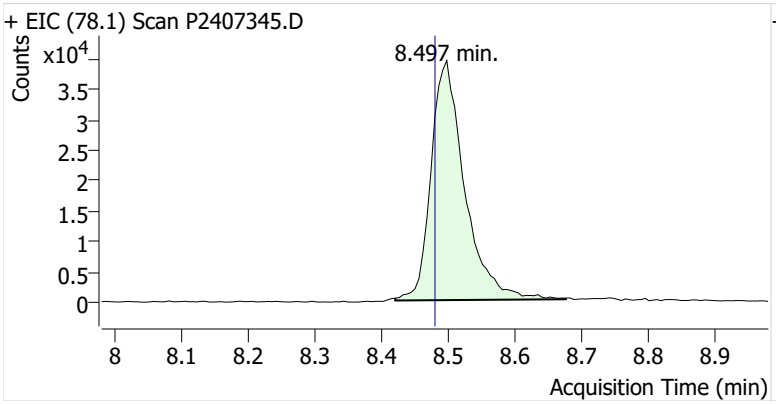
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	544,929	
Benzene	benzene-d6 (IS)	8.497	8.480	138,199	
Toluene-d8 (IS)		11.008	10.990	645,544	
Toluene	Toluene-d8 (IS)	11.103	11.085	529,410	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	93,636	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.418	239,966	
o-Xylene	Toluene-d8 (IS)	13.910	13.887	92,004	

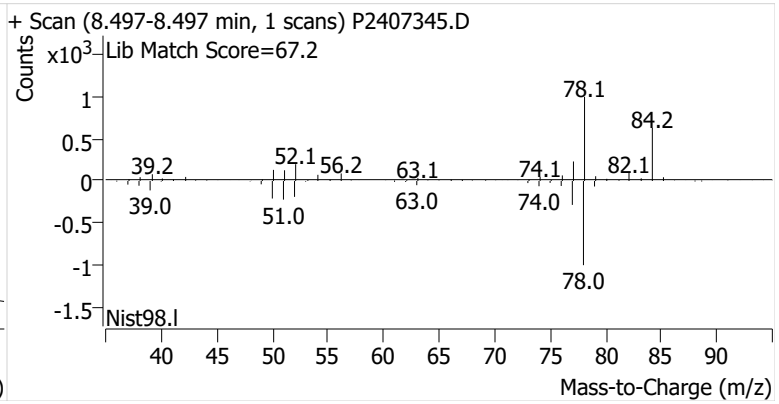
benzene-d6 (IS)



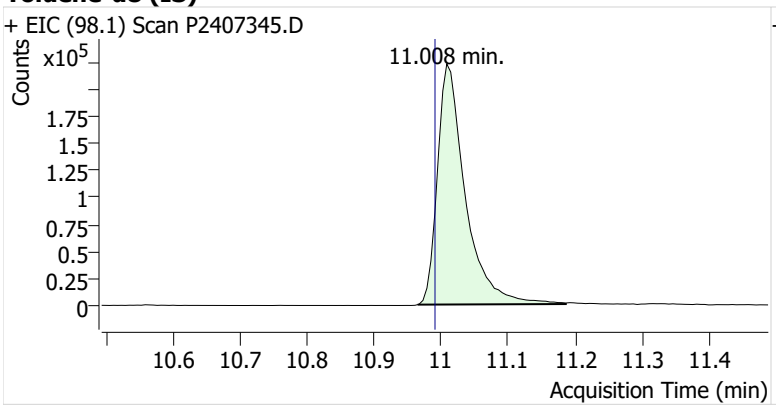


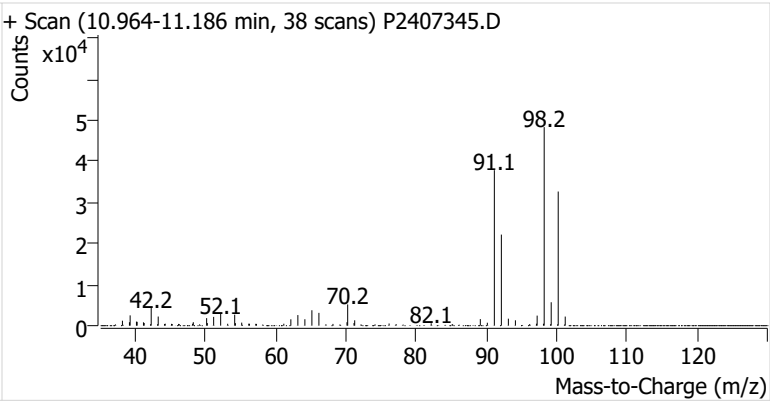
Benzene



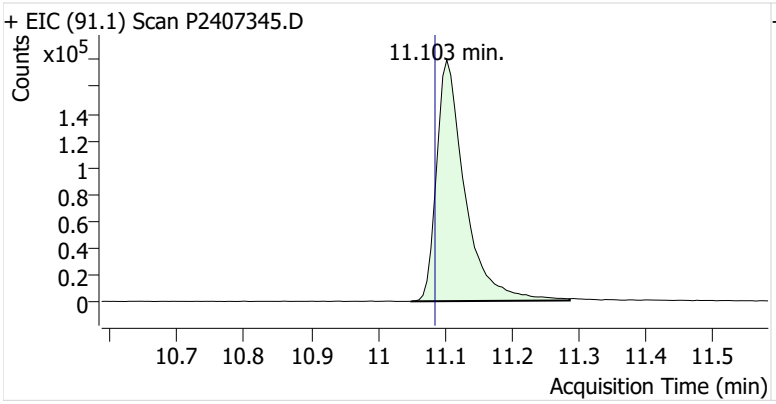


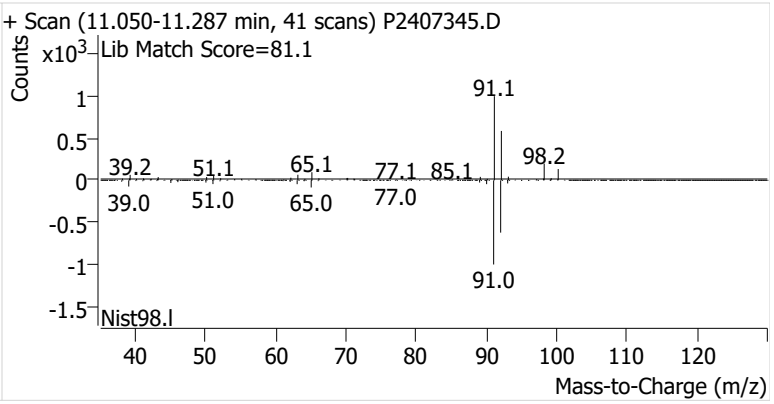
Toluene-d8 (IS)



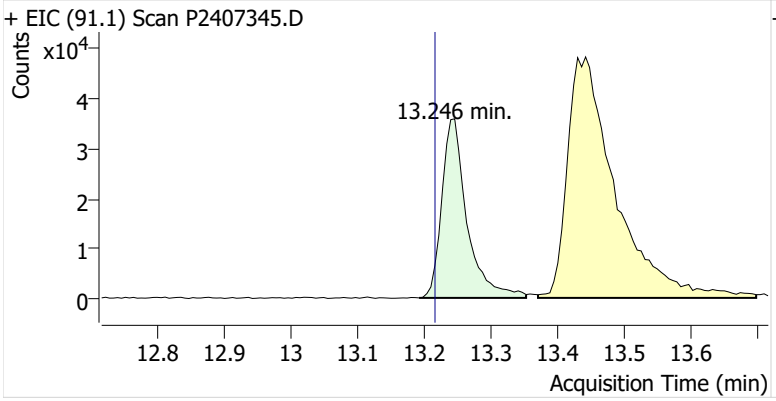


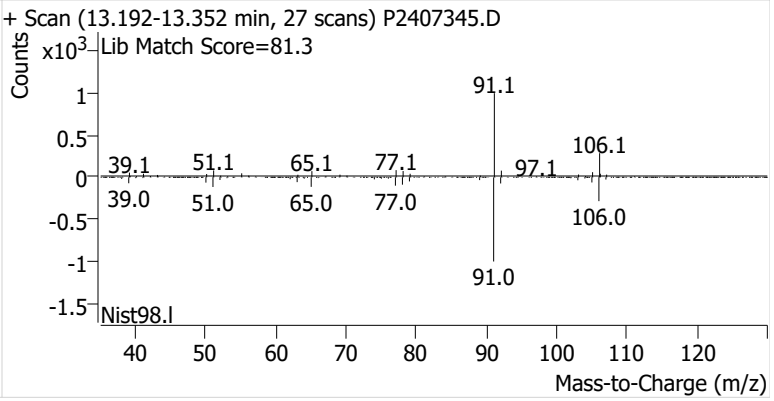
Toluene



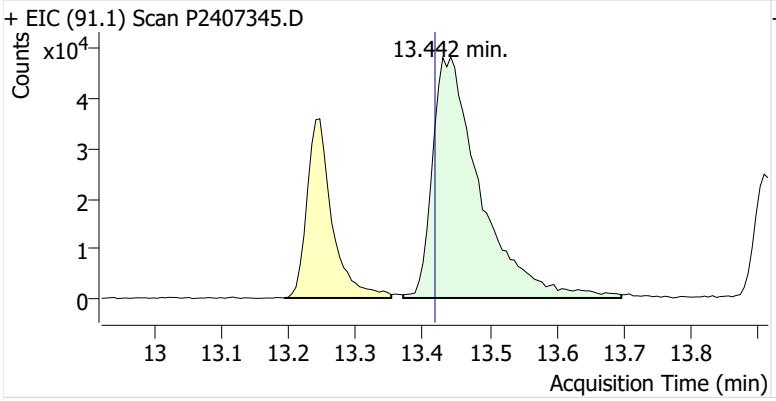


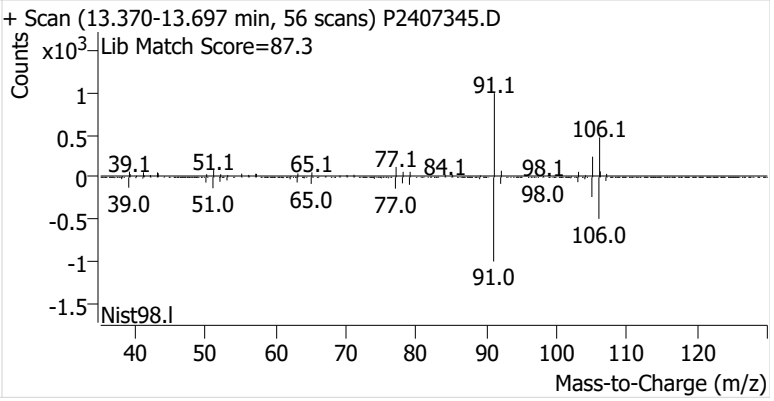
Ethylbenzene



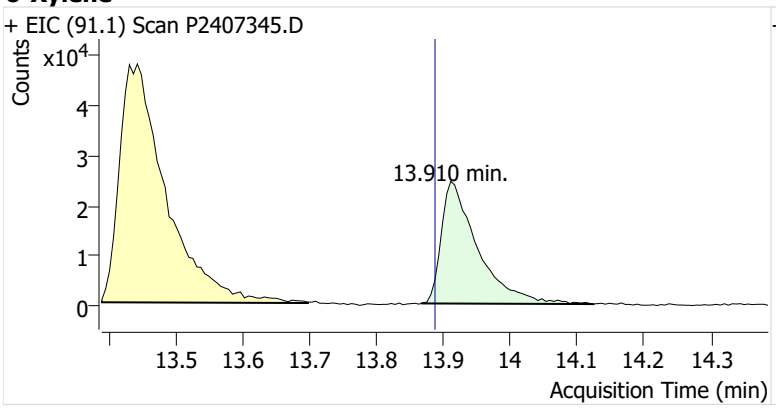


m-/p-Xylenes





o-Xylene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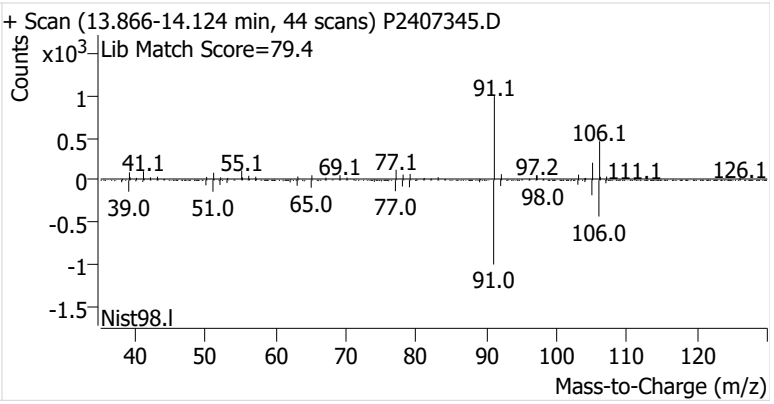
Counts
x10^4
13.910 min.
Acquisition Time (min)


+ Scan (13.866-14.124 min, 44 scans) P2407345.D
Counts
x10^3
Lib Match Score=79.4
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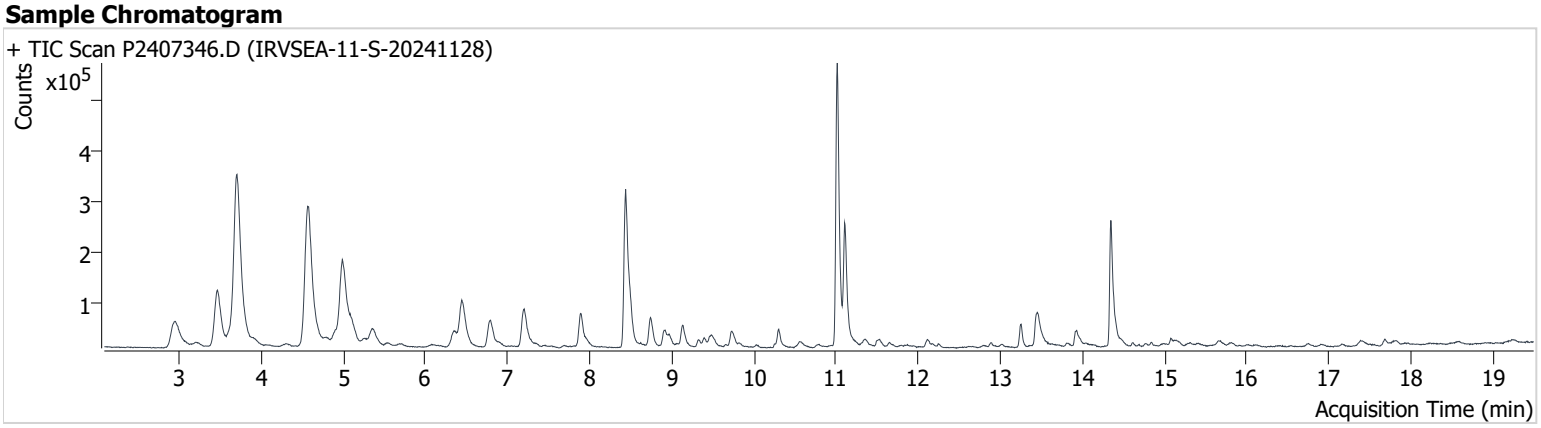
106.1
41.1
55.1
69.1
77.1
97.2
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

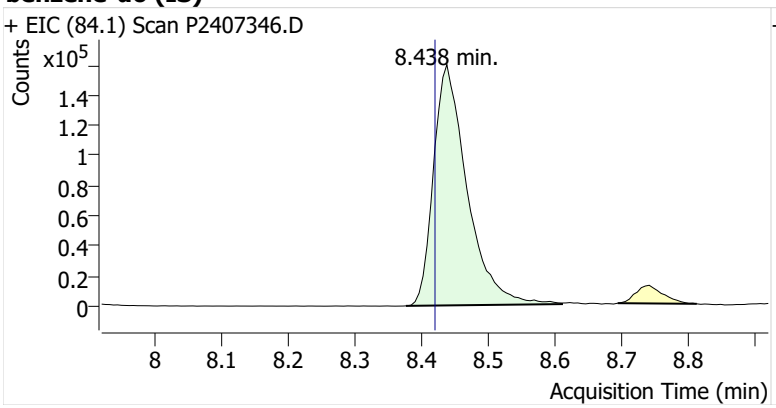
Name	IRVSEA-11-S-20241128
Comment	C01353; Recollect
Data File	P2407346.D
Acq. Date-Time	12/25/2024 4:34:12 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

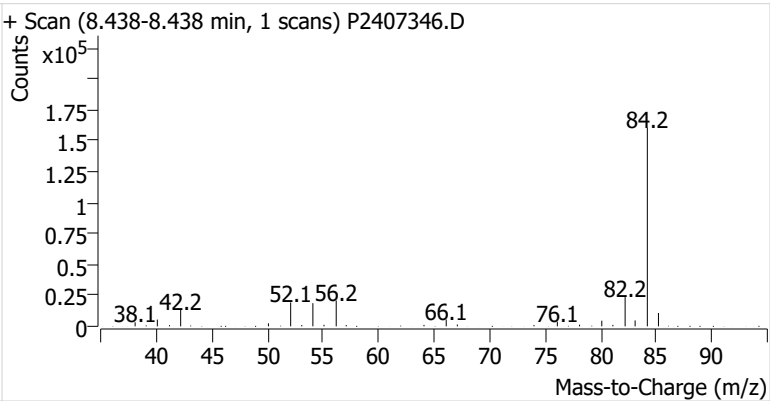
Sample Chromatogram



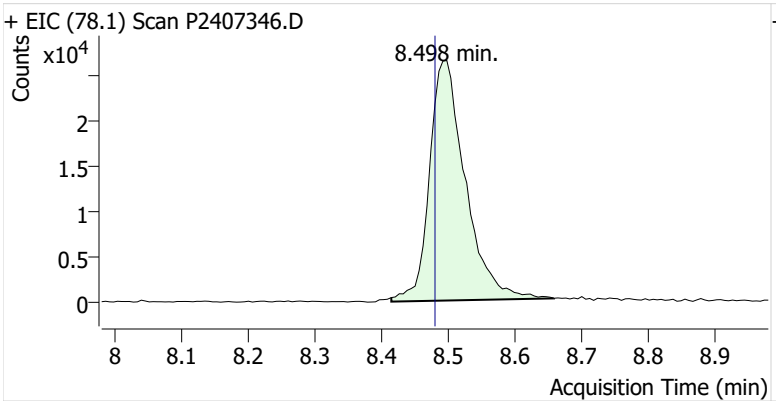
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	557,848	
Benzene	benzene-d6 (IS)	8.498	8.480	99,406	
Toluene-d8 (IS)		11.014	10.990	647,937	
Toluene	Toluene-d8 (IS)	11.109	11.085	290,697	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	53,203	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.418	120,107	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	49,162	

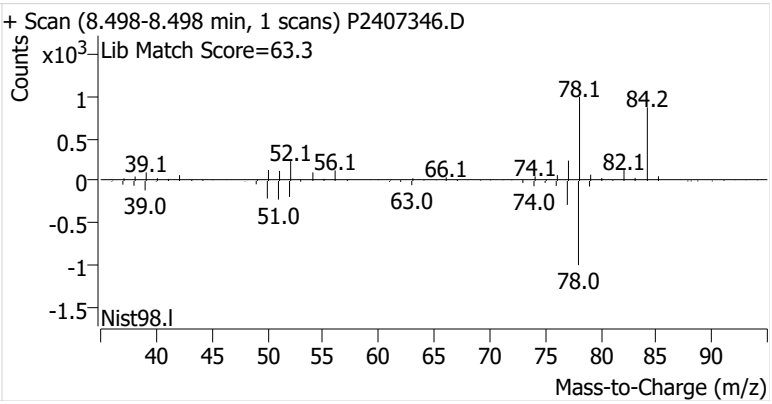
benzene-d6 (IS)



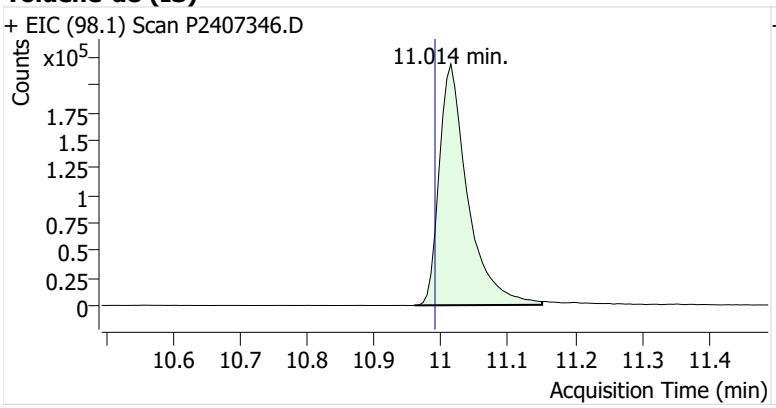


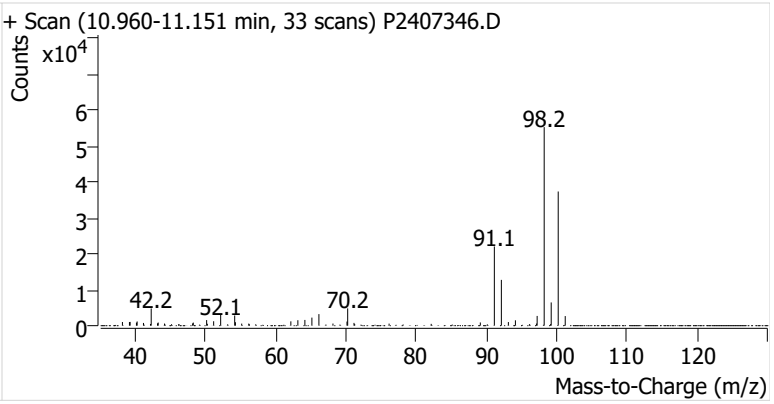
Benzene



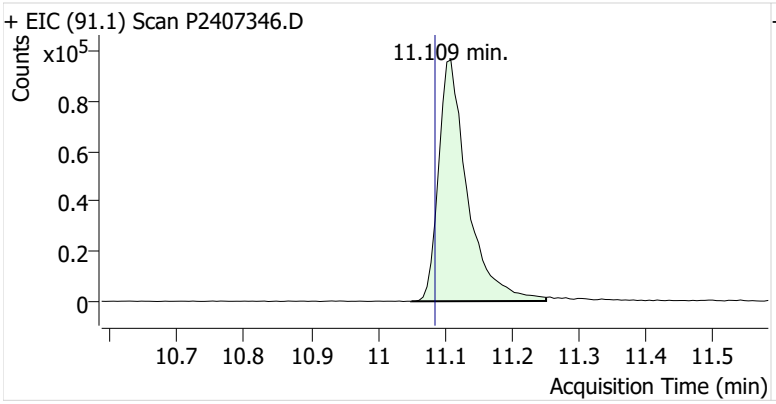


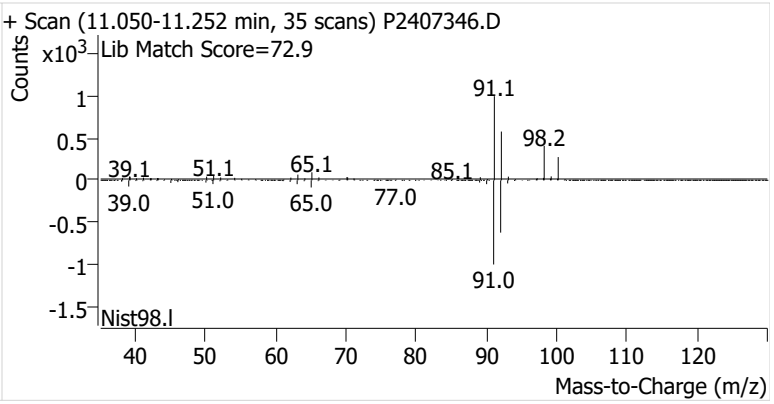
Toluene-d8 (IS)



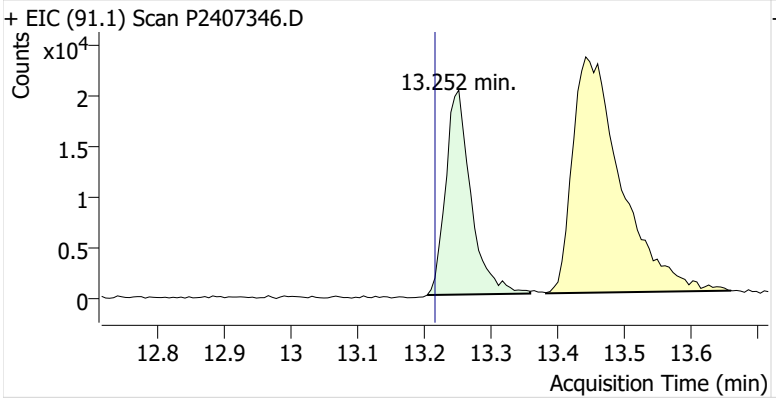


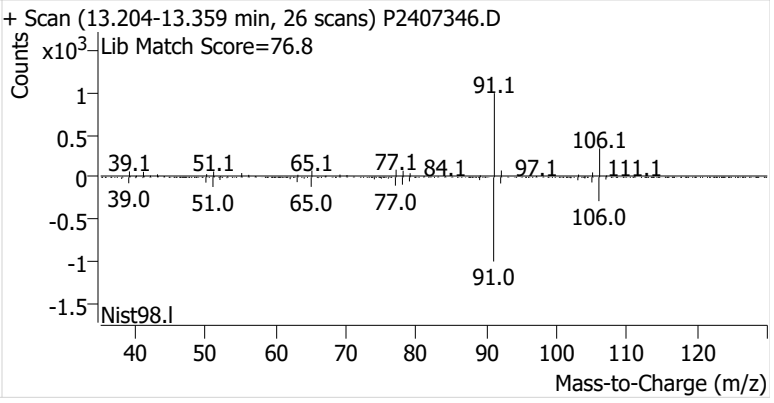
Toluene



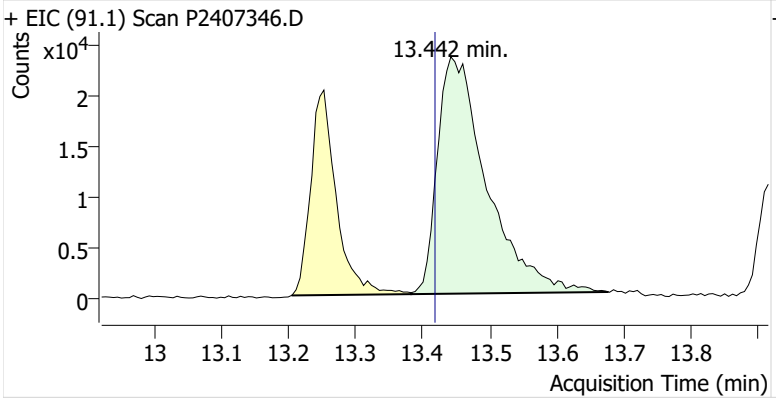


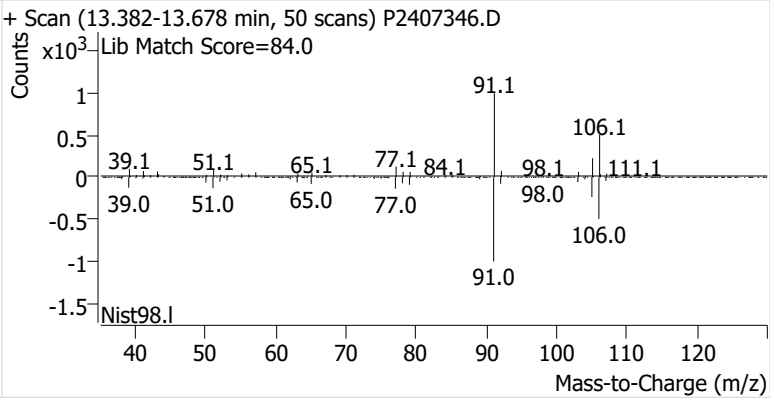
Ethylbenzene



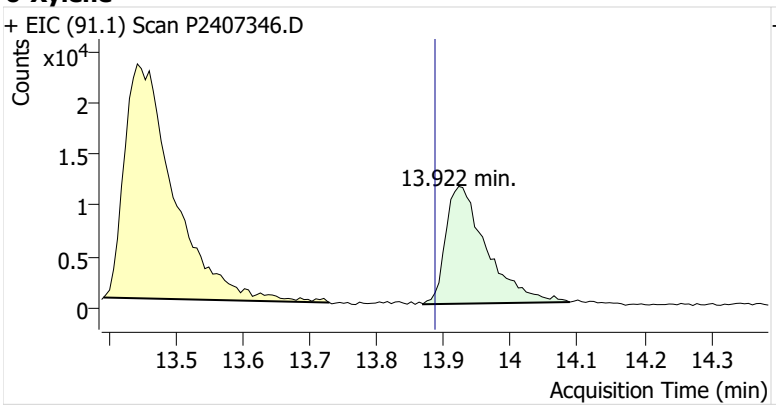


m-/p-Xylenes





o-Xylene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x10^4
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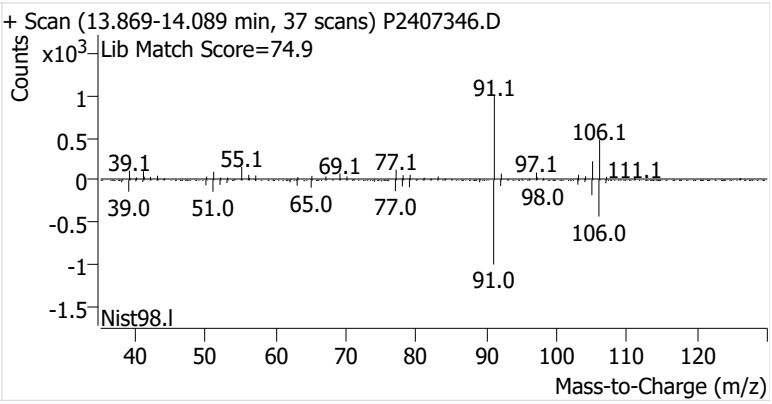
1
0.5
0
13.922 min.
13.5 13.6 13.7 13.8 13.9 14 14.1 14.2 14.3
Acquisition Time (min)


+ Scan (13.869-14.089 min, 37 scans) P2407346.D
Lib Match Score=74.9
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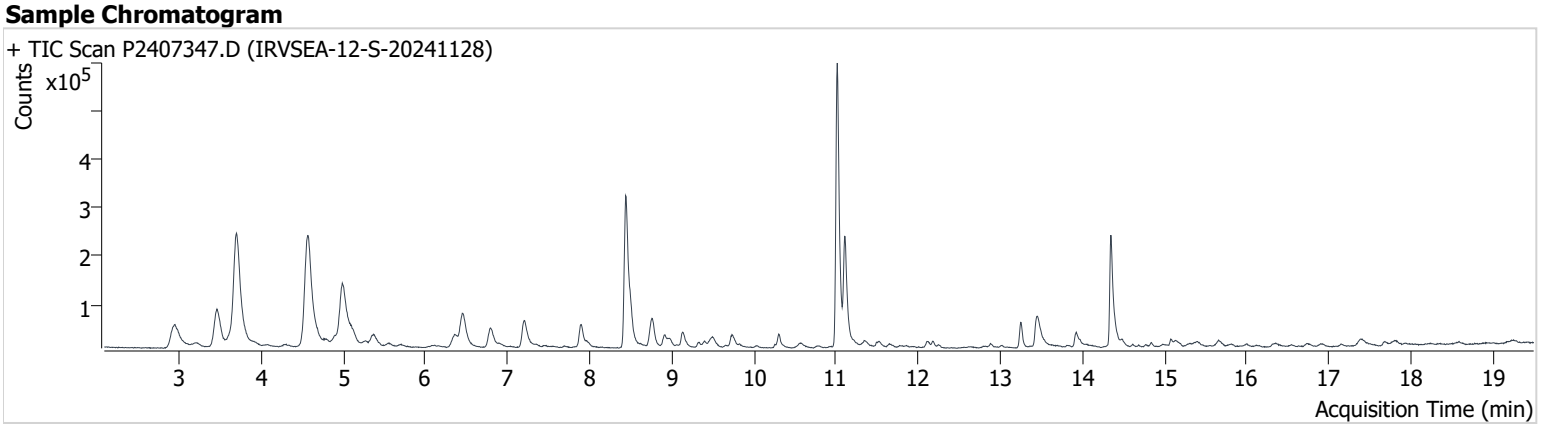
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

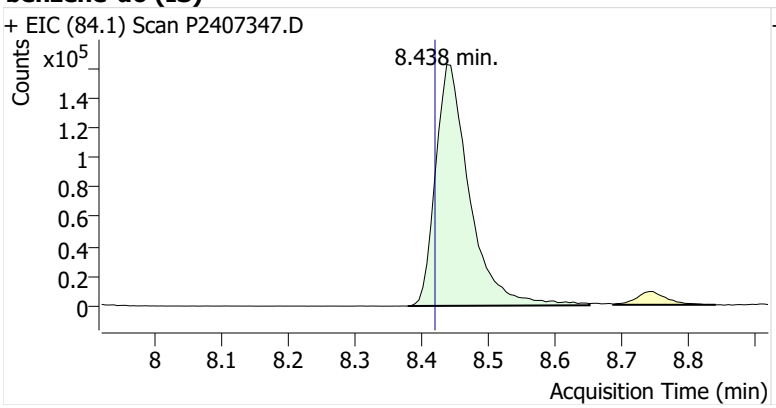
Name	IRVSEA-12-S-20241128
Comment	B17457; Recollect
Data File	P2407347.D
Acq. Date-Time	12/25/2024 5:09:16 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

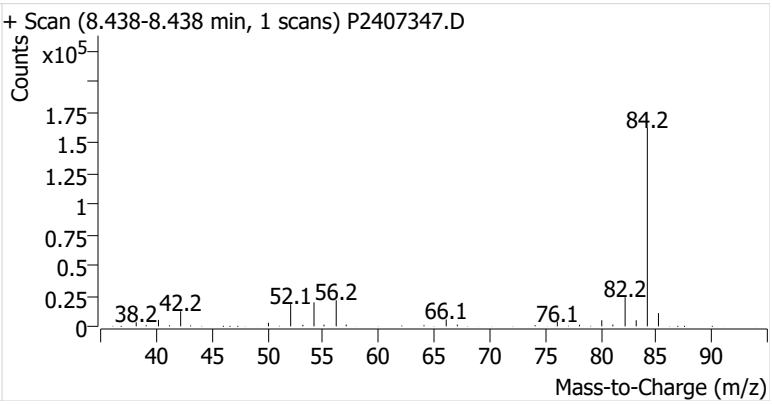
Sample Chromatogram



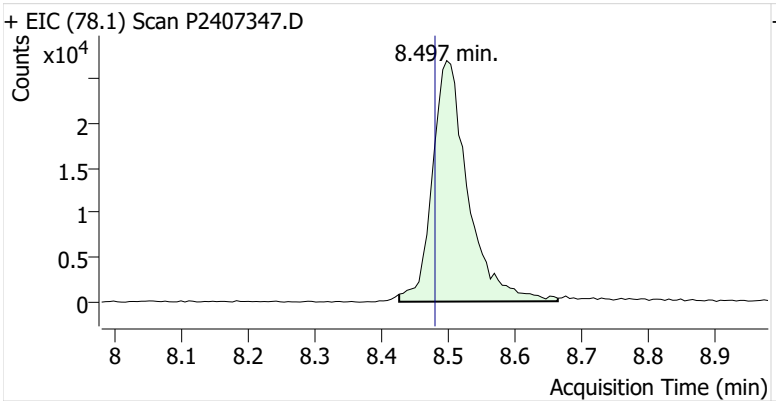
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	572,218	
Benzene	benzene-d6 (IS)	8.497	8.480	100,023	
Toluene-d8 (IS)		11.014	10.990	679,365	
Toluene	Toluene-d8 (IS)	11.103	11.085	275,395	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	62,559	
m-/p-Xylenes	Toluene-d8 (IS)	13.441	13.418	109,049	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	44,381	

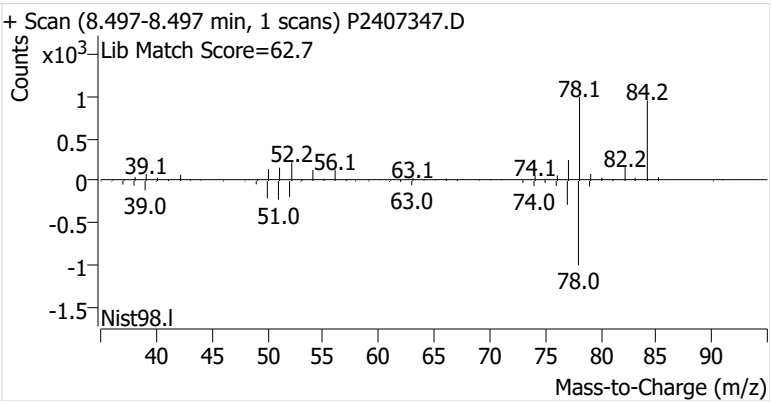
benzene-d6 (IS)



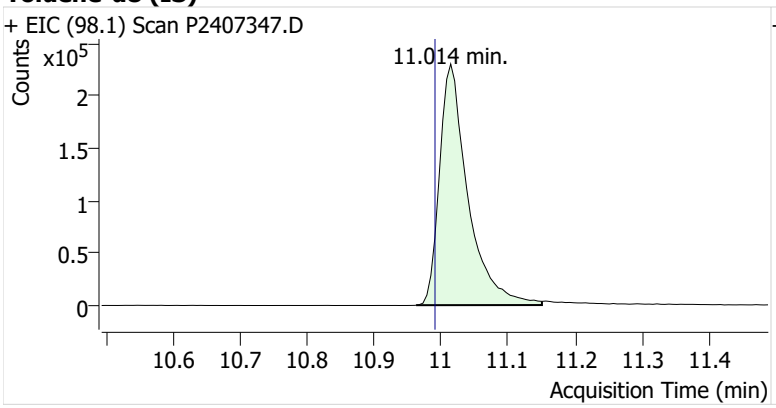


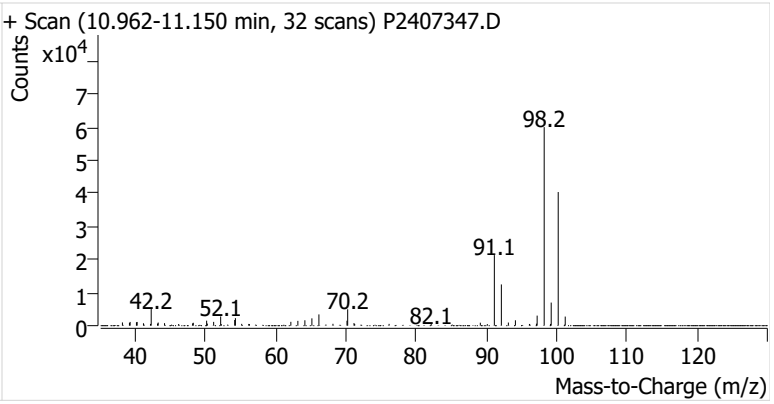
Benzene



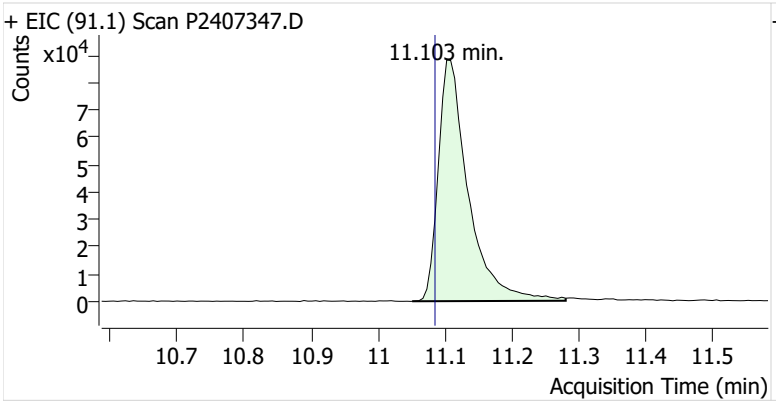


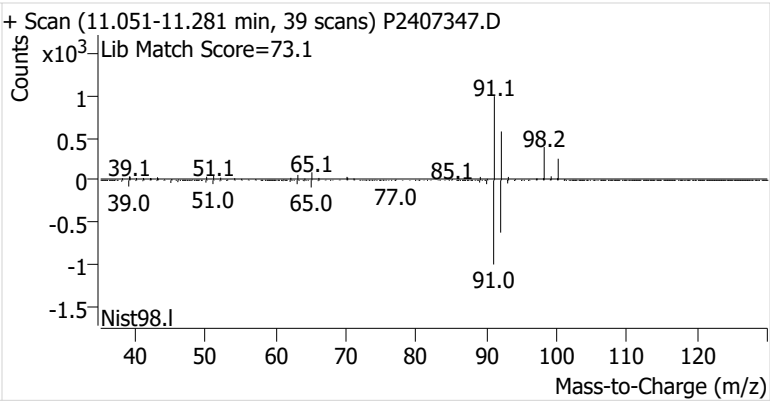
Toluene-d8 (IS)



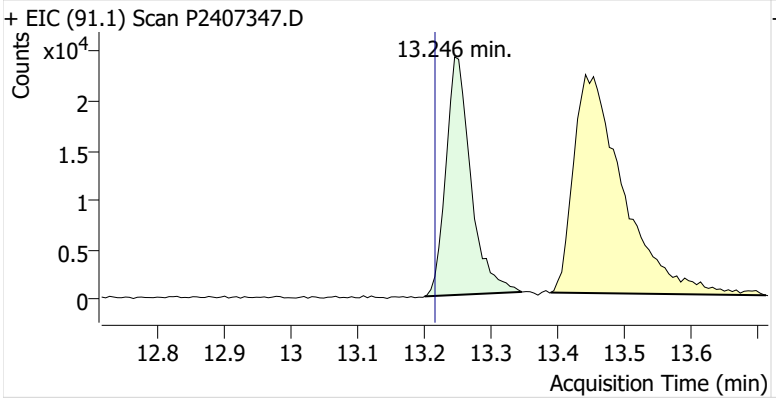


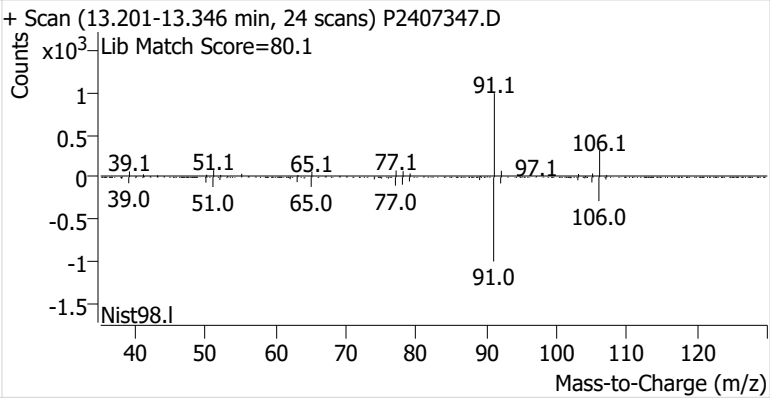
Toluene



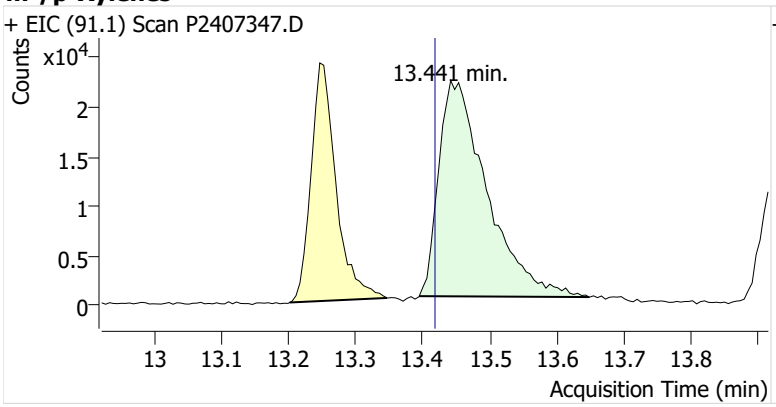


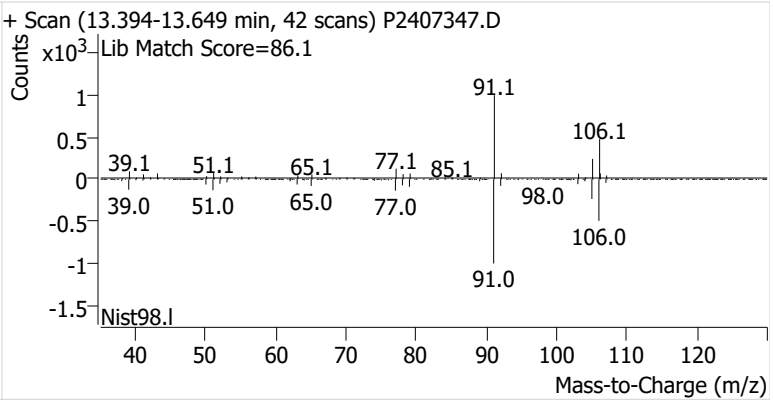
Ethylbenzene



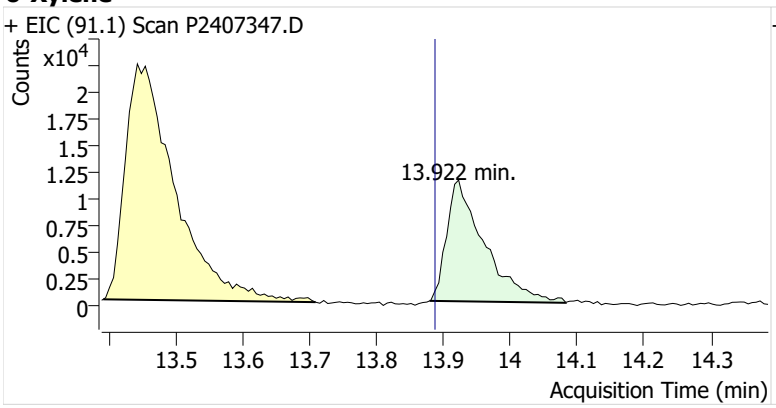


m-/p-Xylenes





o-Xylene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1
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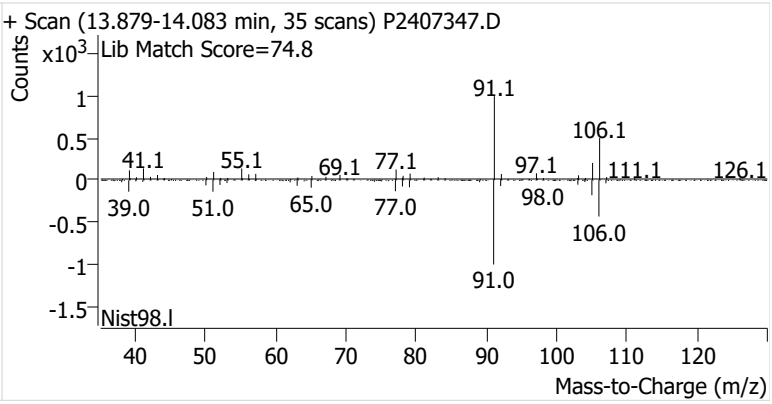
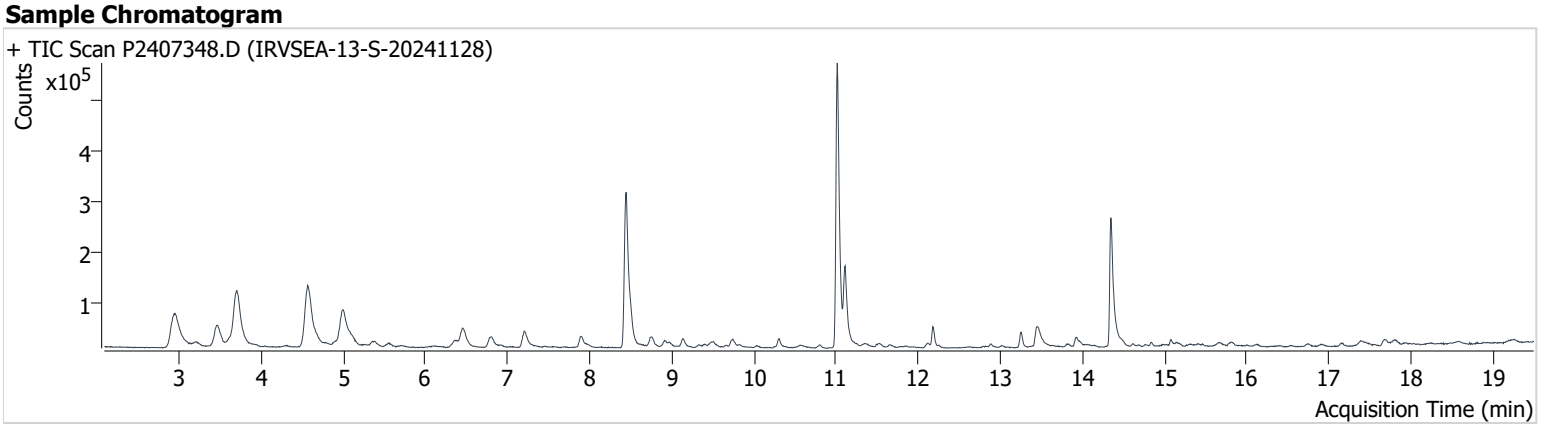
0.5
0.25
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.879-14.083 min, 35 scans) P2407347.D
Lib Match Score=74.8
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

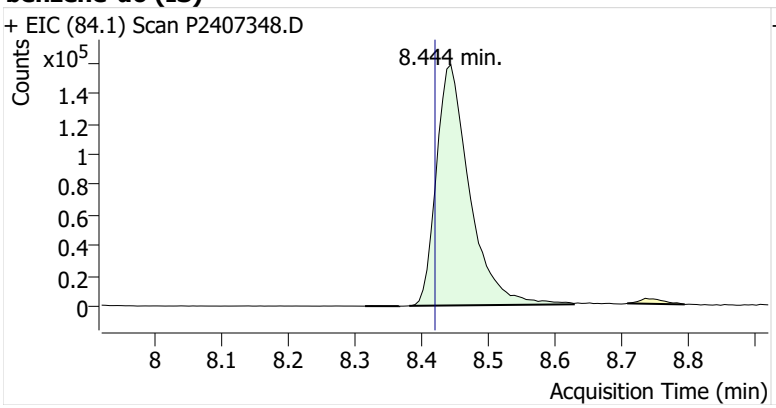
Name	IRVSEA-13-S-20241128
Comment	C36886; Recollect
Data File	P2407348.D
Acq. Date-Time	12/25/2024 5:44:20 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

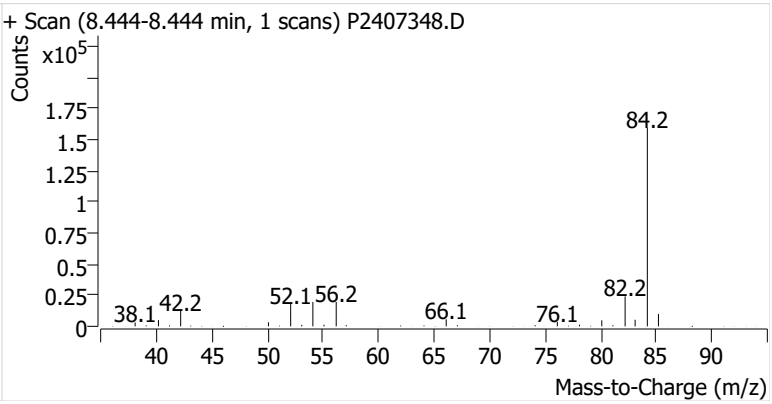
Sample Chromatogram



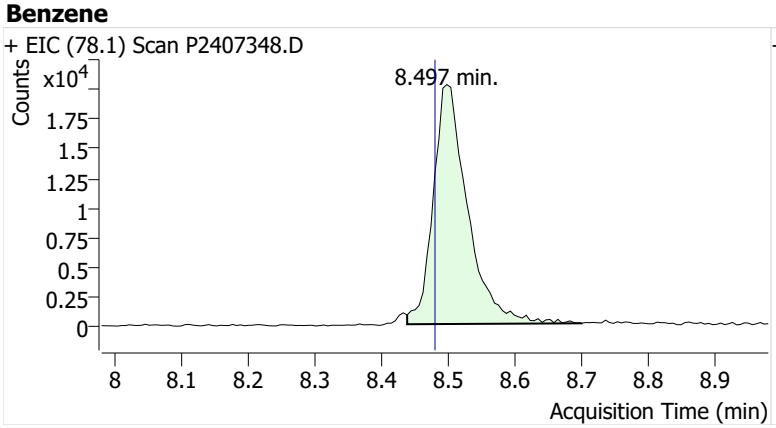
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	549,803	
Benzene	benzene-d6 (IS)	8.497	8.480	72,625	
Toluene-d8 (IS)		11.014	10.990	672,891	
Toluene	Toluene-d8 (IS)	11.109	11.085	179,119	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	37,069	
m-/p-Xylenes	Toluene-d8 (IS)	13.454	13.418	80,022	
o-Xylene	Toluene-d8 (IS)	13.916	13.887	30,412	m

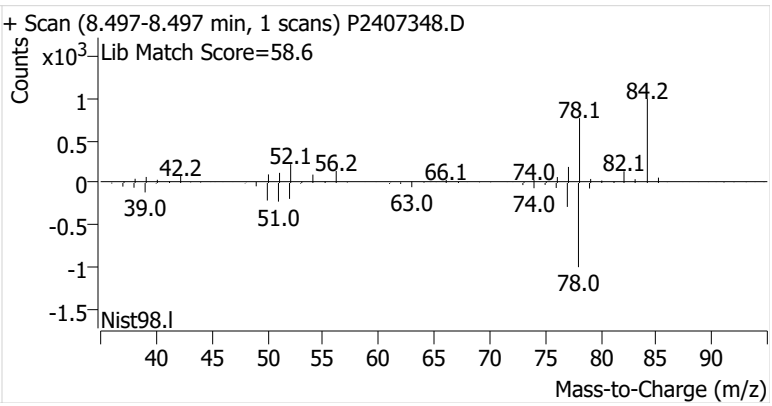
benzene-d6 (IS)



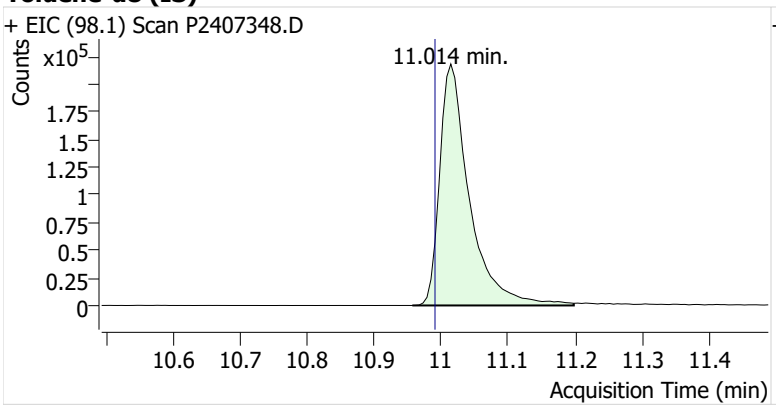


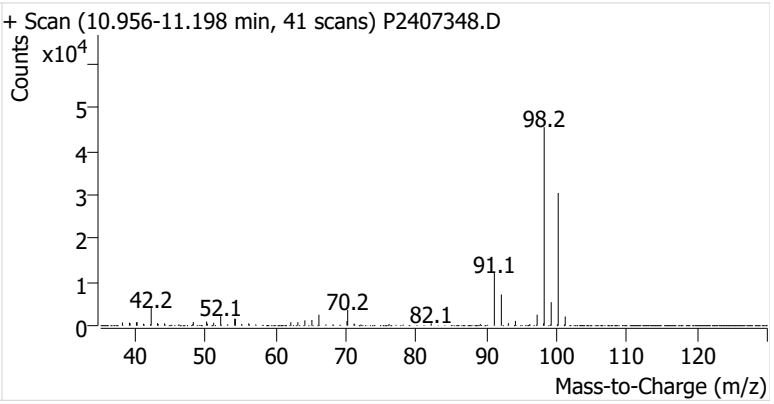
Benzene



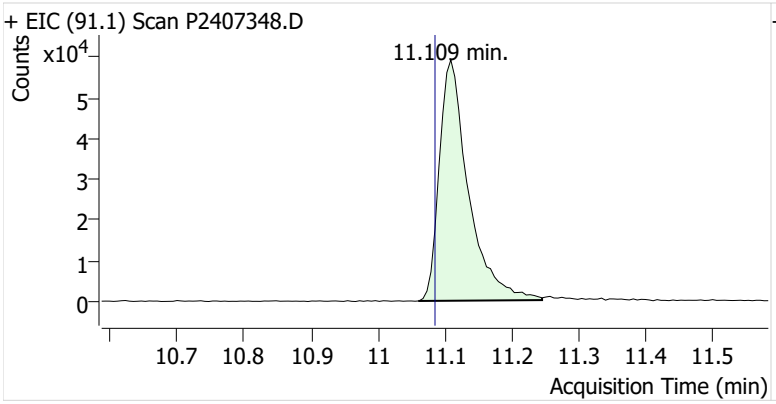


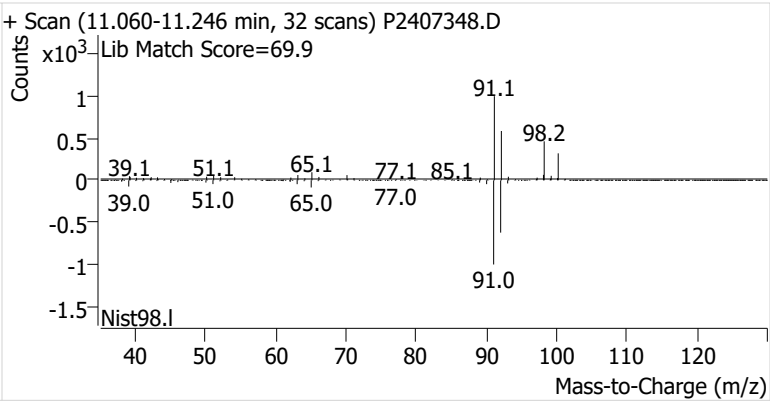
Toluene-d8 (IS)



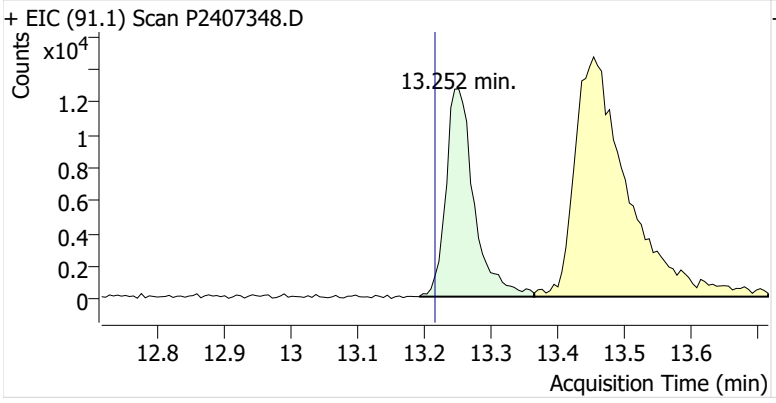


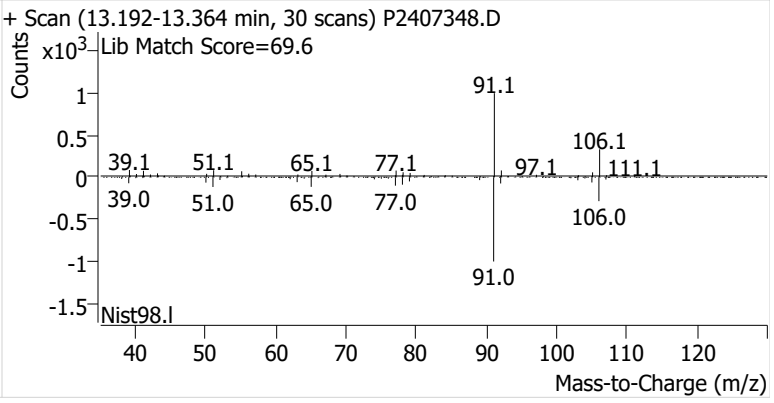
Toluene



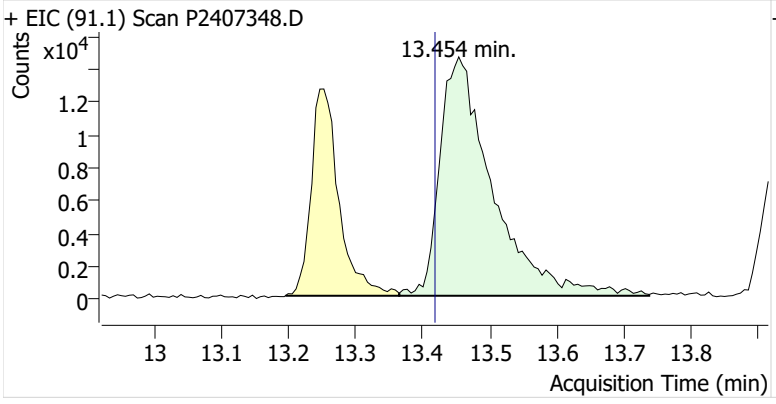


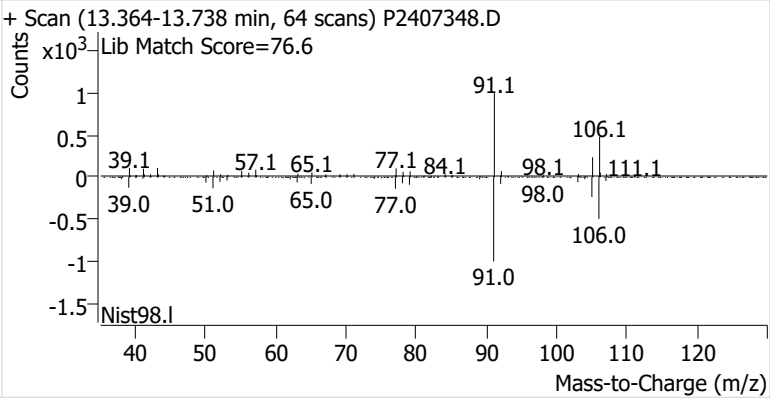
Ethylbenzene



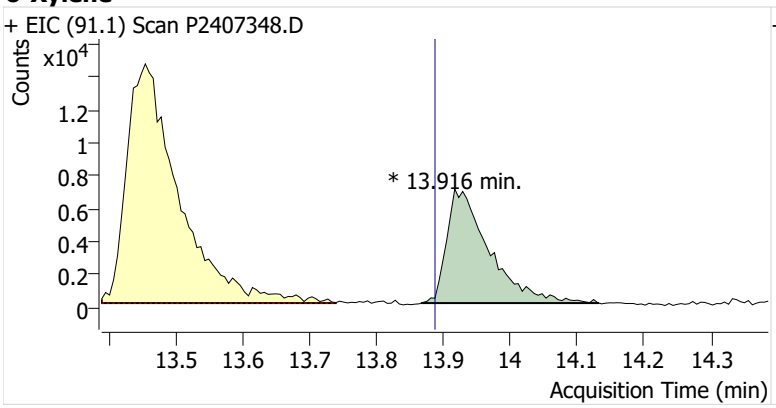


m-/p-Xylenes





o-Xylene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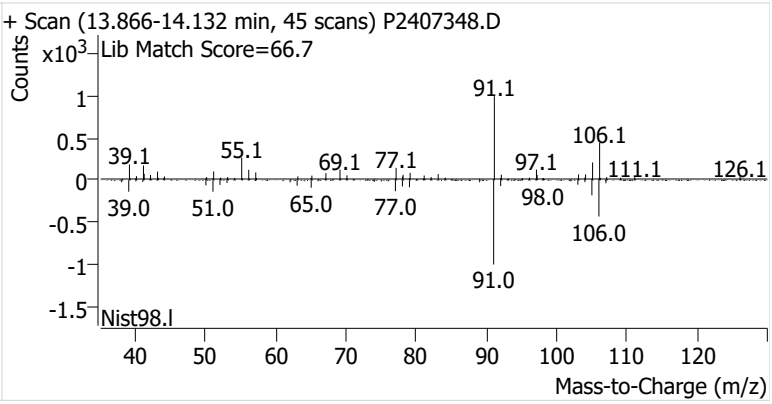
Counts
x10^4
1.2
1
0.8
0.6
0.4
0.2
0
* 13.916 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.866-14.132 min, 45 scans) P2407348.D
Counts
x10^3
Lib Match Score=66.7
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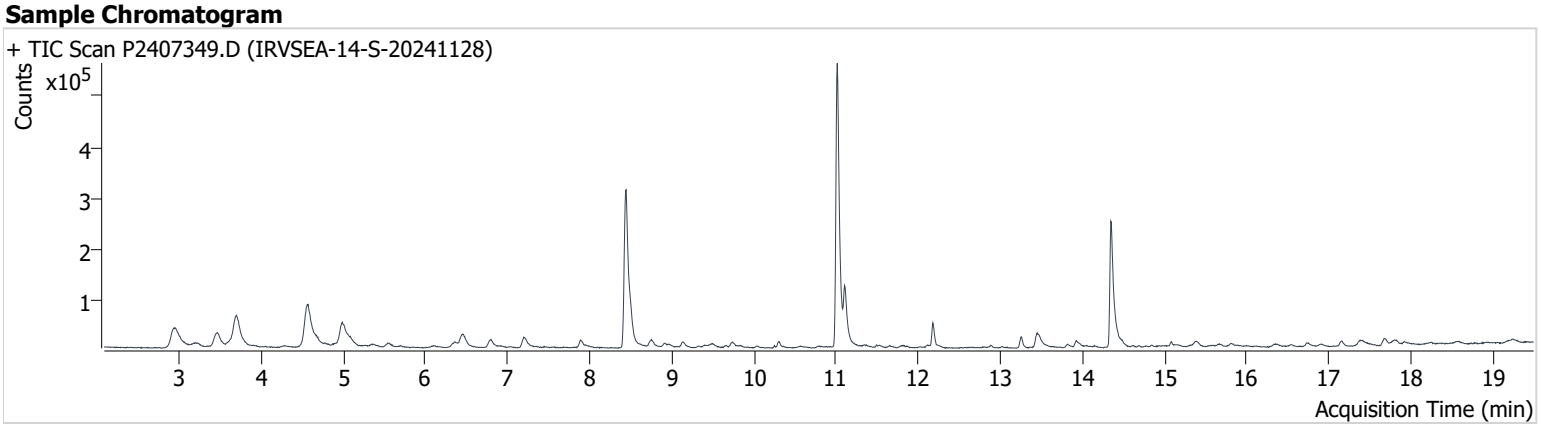
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
77.1
97.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

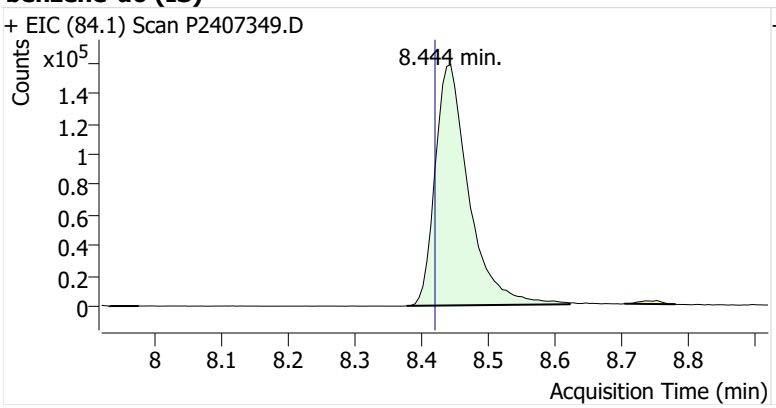
Name	IRVSEA-14-S-20241128
Comment	B48134; Recollect
Data File	P2407349.D
Acq. Date-Time	12/25/2024 6:19:25 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

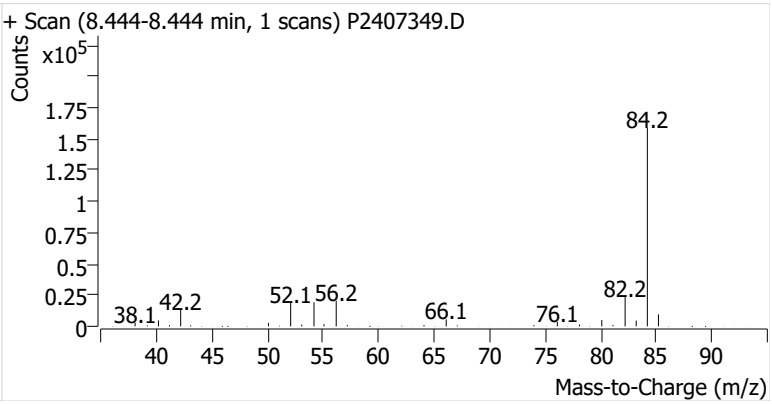
Sample Chromatogram



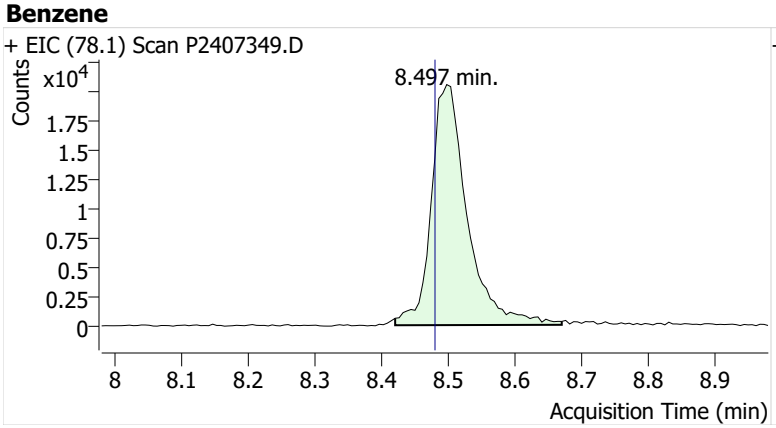
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	553,836	
Benzene	benzene-d6 (IS)	8.497	8.480	77,382	
Toluene-d8 (IS)		11.014	10.990	659,505	
Toluene	Toluene-d8 (IS)	11.109	11.085	127,873	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	24,603	
m-/p-Xylenes	Toluene-d8 (IS)	13.441	13.418	51,346	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	20,254	

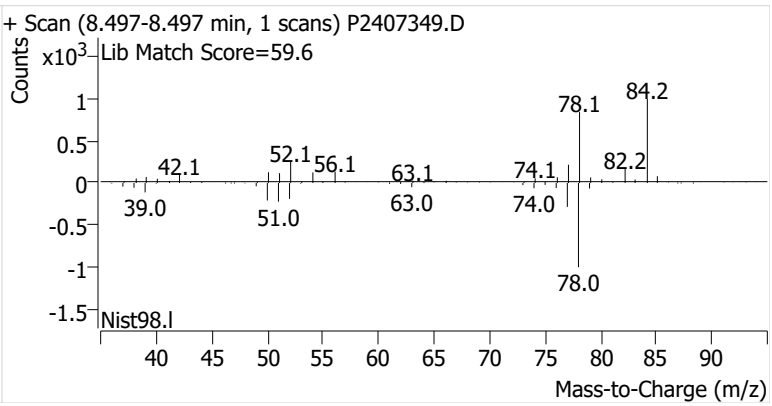
benzene-d6 (IS)



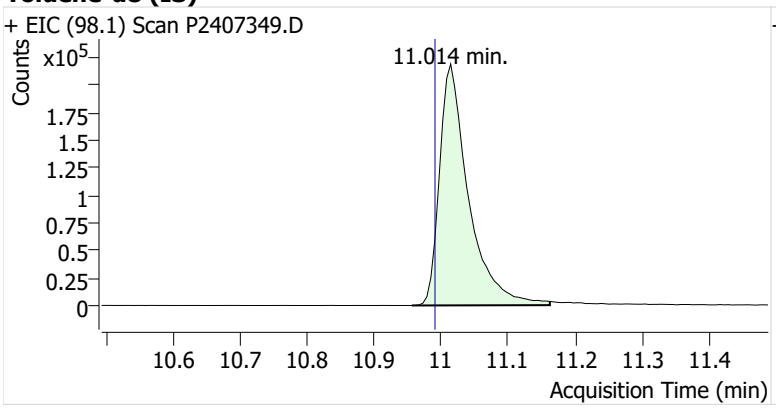


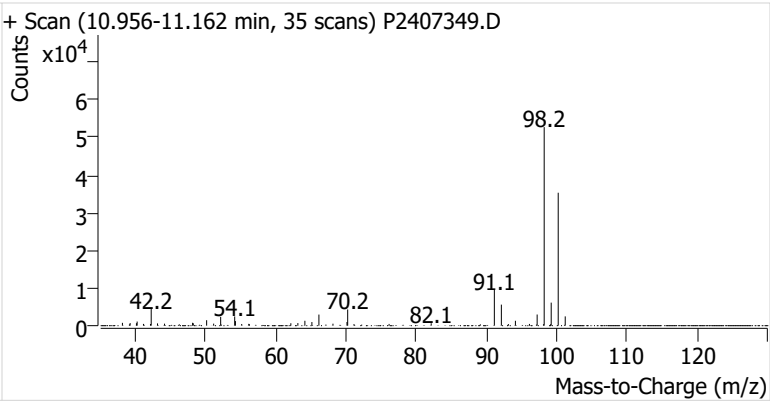
Benzene



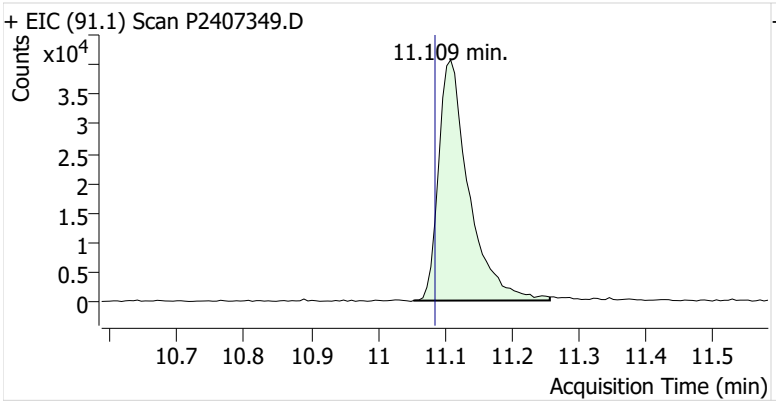


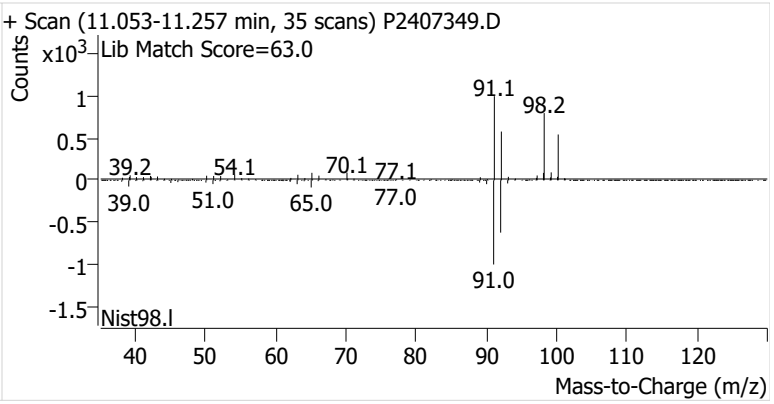
Toluene-d8 (IS)



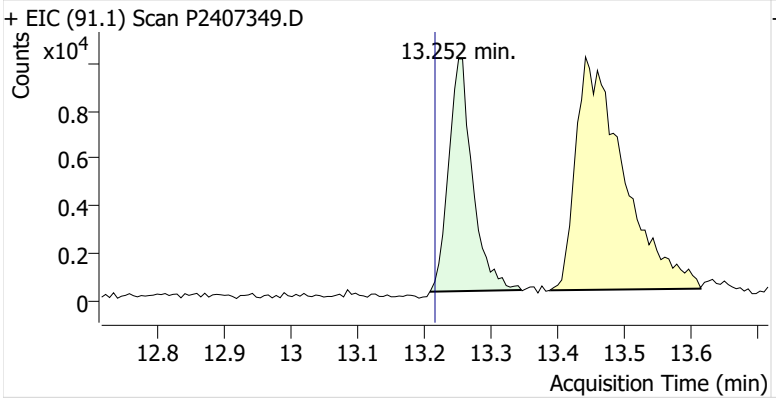


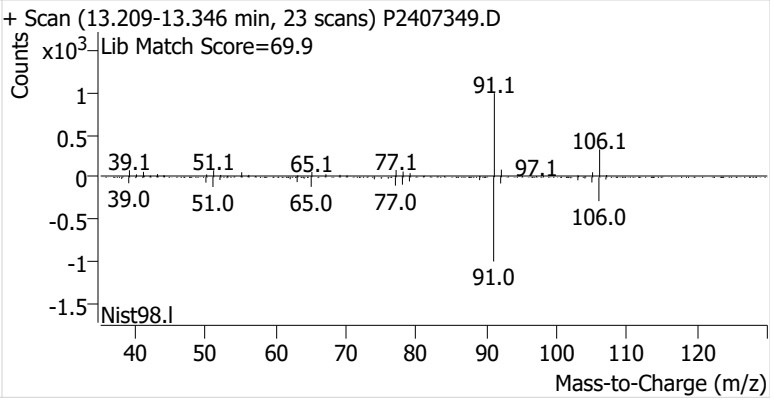
Toluene



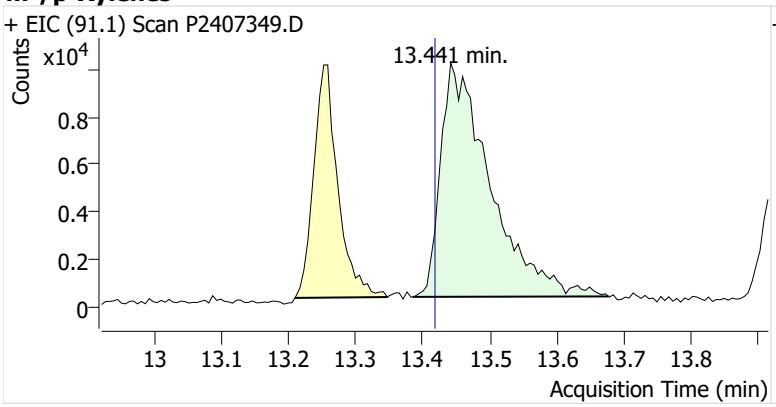


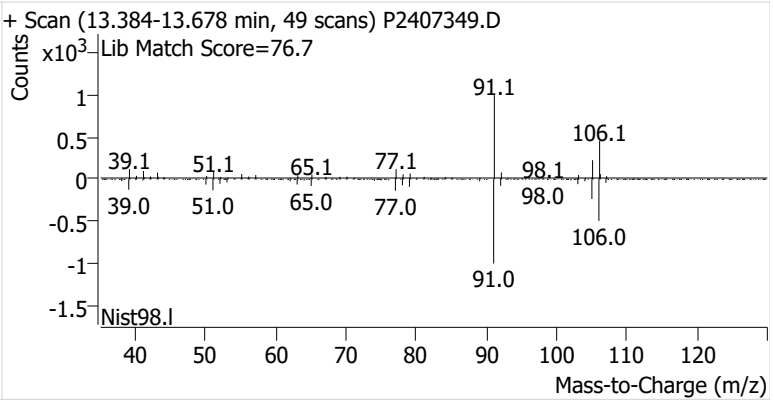
Ethylbenzene



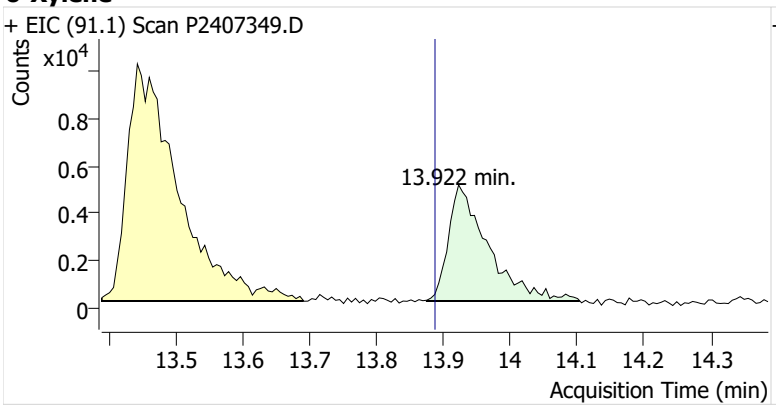


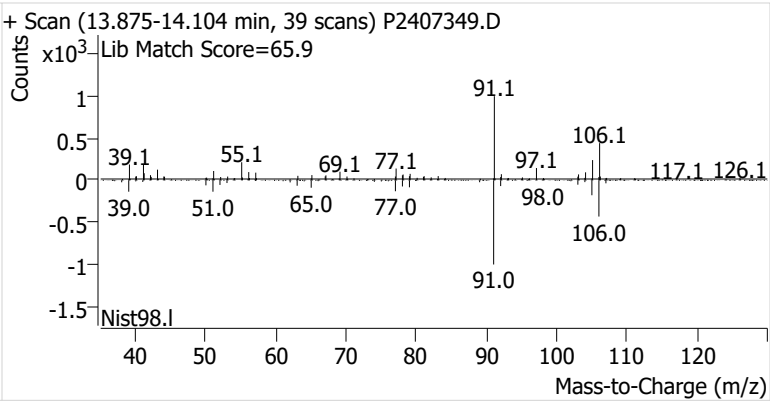
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan P2407349.D
Counts
x10^4
0.8
0.6
0.4
0.2
0
13.922 min.
13.5
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)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Counts
x10^3
Lib Match Score=65.9
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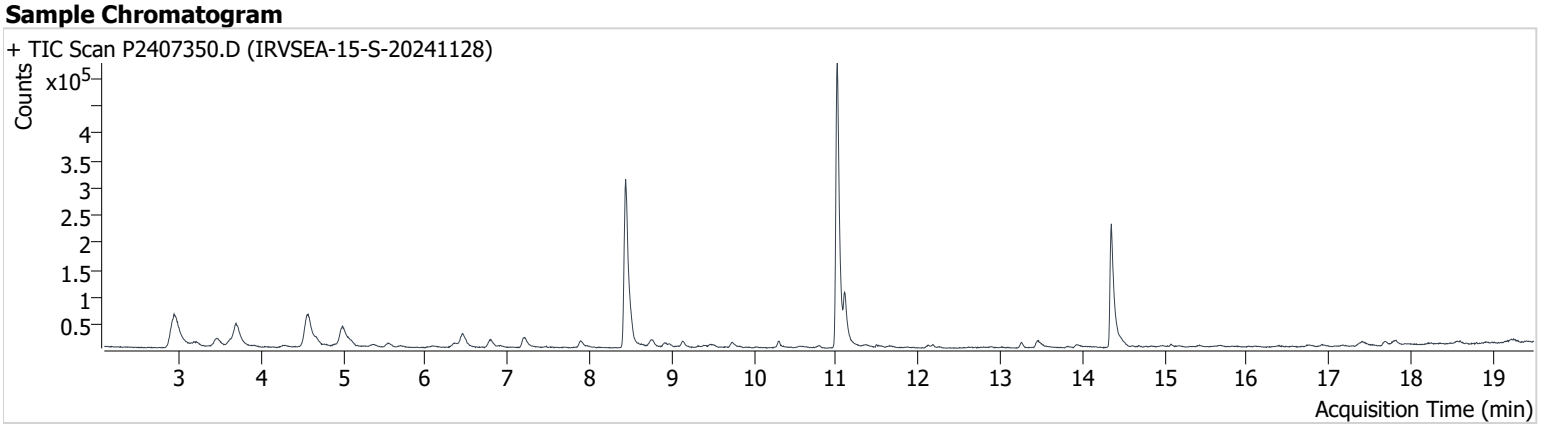
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
69.1
77.1
97.1
117.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

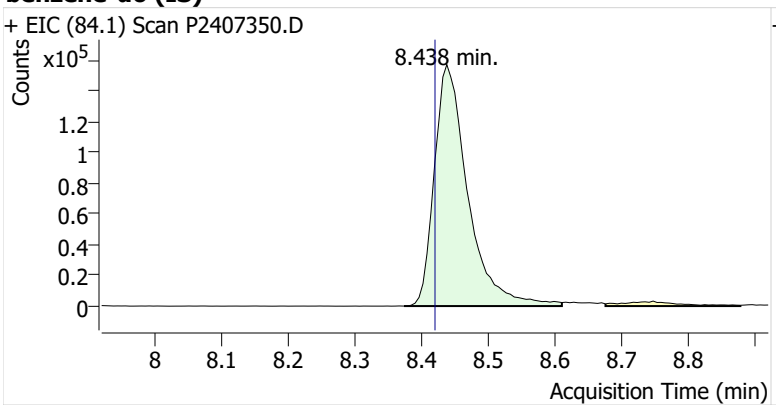
Name	IRVSEA-15-S-20241128
Comment	C43926; Recollect
Data File	P2407350.D
Acq. Date-Time	12/25/2024 6:54:30 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

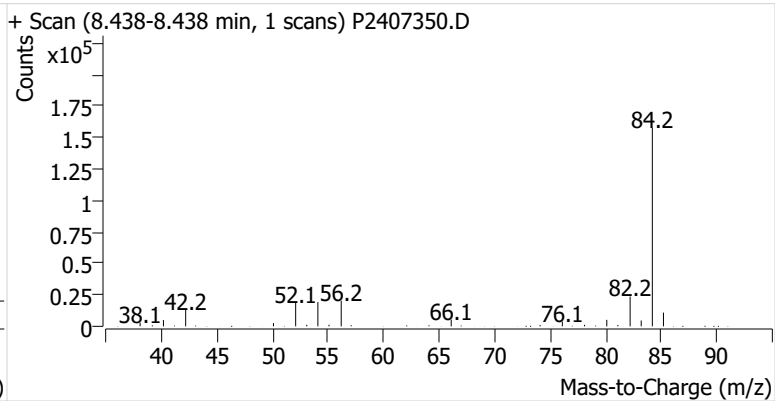
Sample Chromatogram



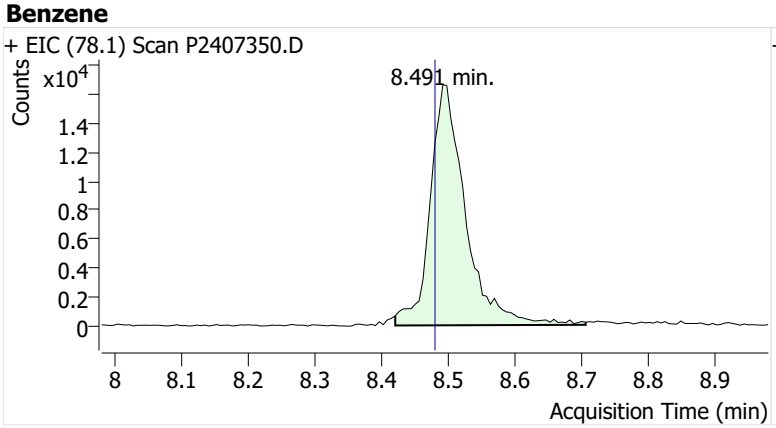
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	547,382	
Benzene	benzene-d6 (IS)	8.491	8.480	60,918	
Toluene-d8 (IS)		11.014	10.990	634,065	
Toluene	Toluene-d8 (IS)	11.109	11.085	98,547	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	12,269	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.418	24,272	
o-Xylene	Toluene-d8 (IS)	13.928	13.887	9,218	

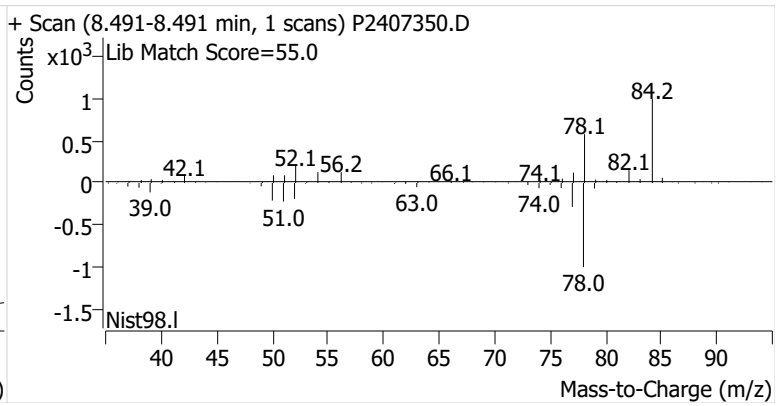
benzene-d6 (IS)



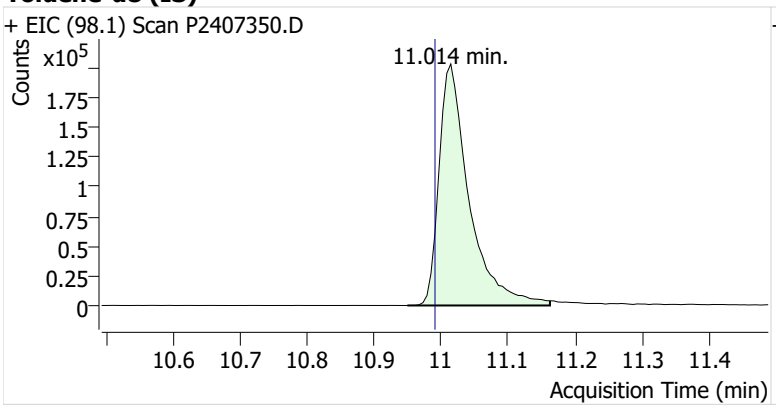


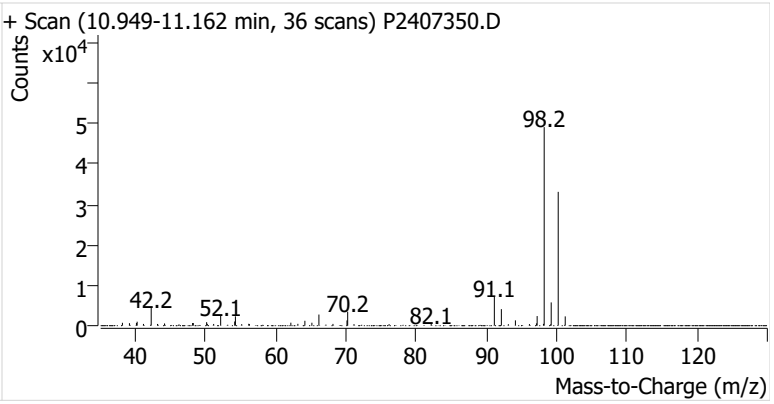
Benzene



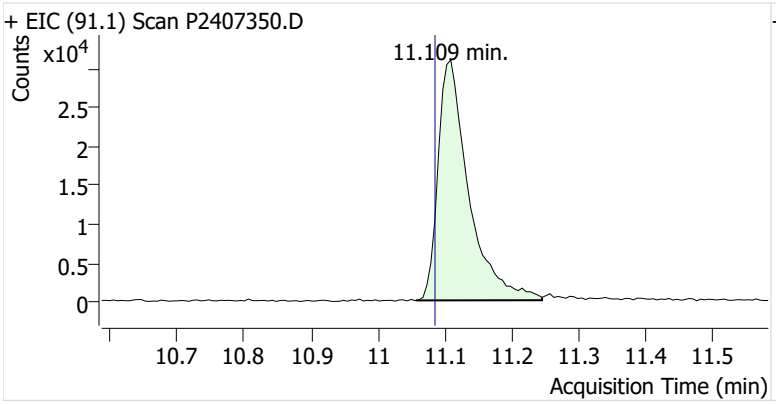


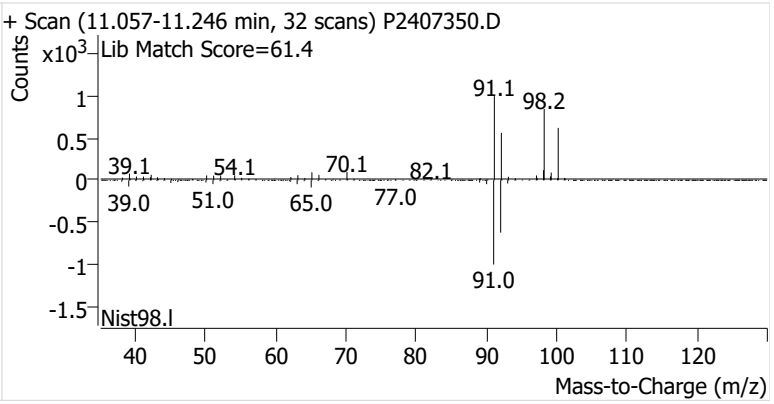
Toluene-d8 (IS)



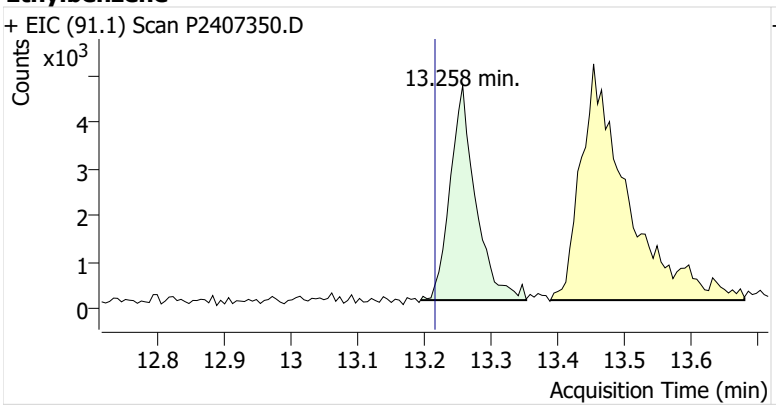


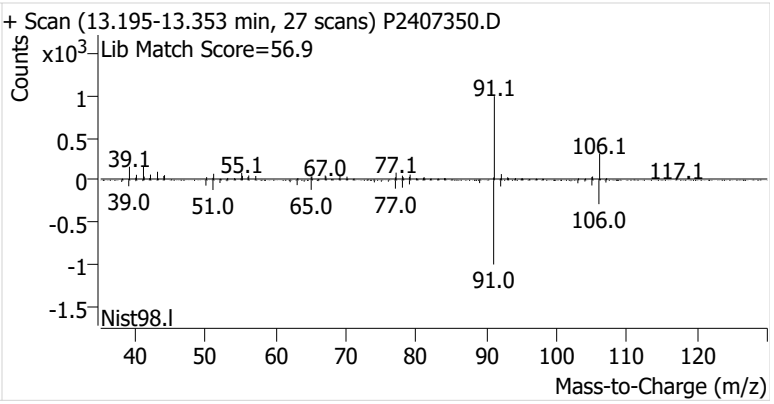
Toluene



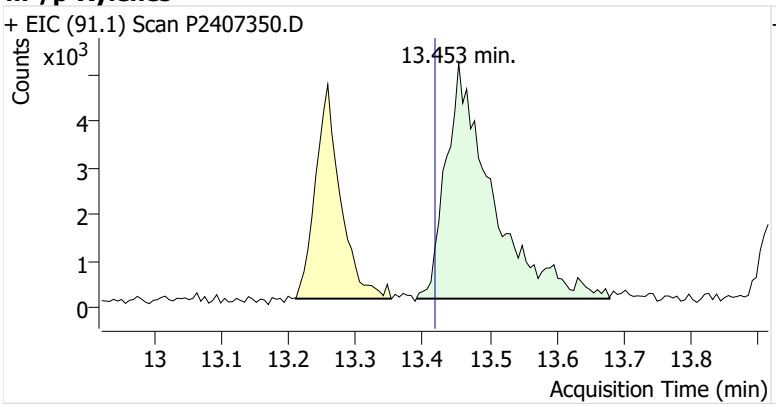


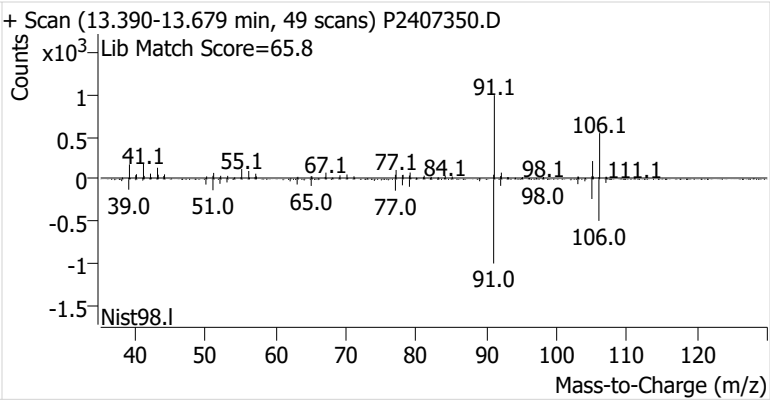
Ethylbenzene



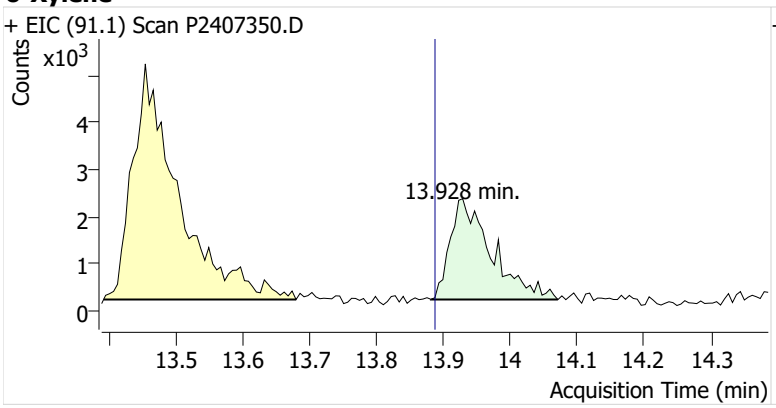


m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan P2407350.D
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2
1
0
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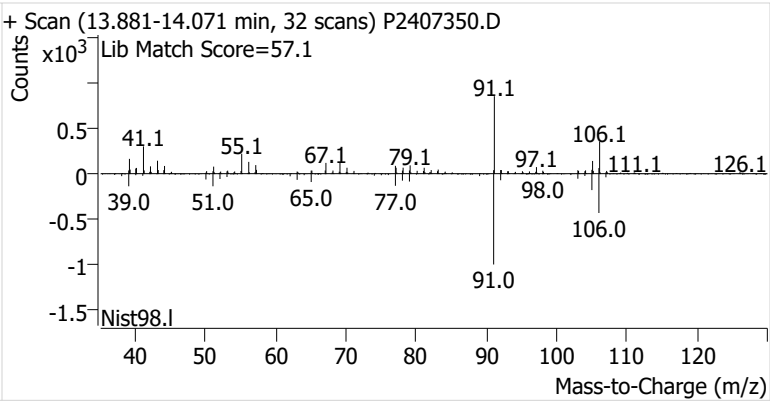
13.6
13.7
13.8
13.9
14
14.1
14.2
14.3
Acquisition Time (min)


+ Scan (13.881-14.071 min, 32 scans) P2407350.D
Lib Match Score=57.1
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x10^3
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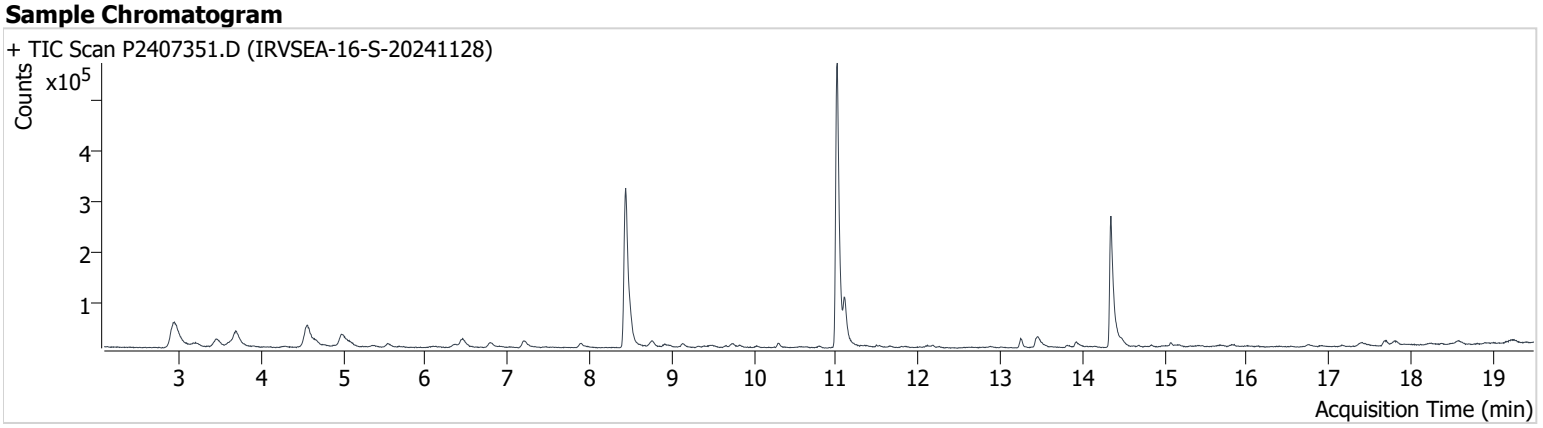
0
-0.5
-1
-1.5
91.1
41.1
55.1
67.1
79.1
97.1
106.1
111.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

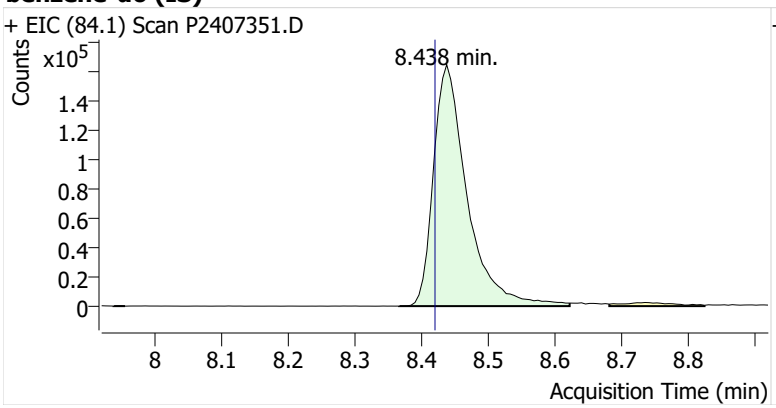
Name	IRVSEA-16-S-20241128
Comment	C01880; Recollect
Data File	P2407351.D
Acq. Date-Time	12/25/2024 7:29:35 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

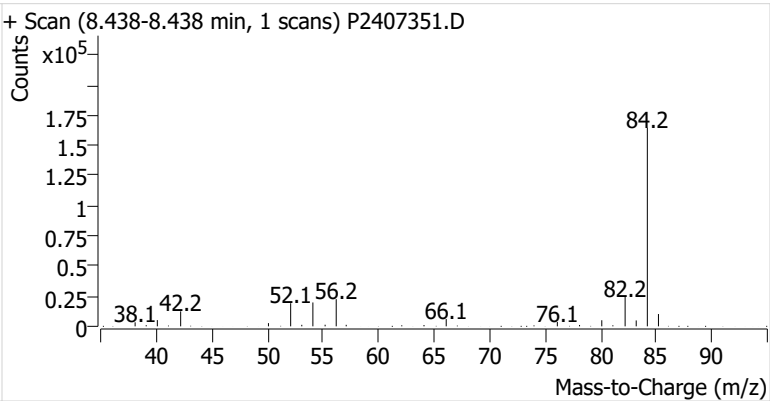
Sample Chromatogram



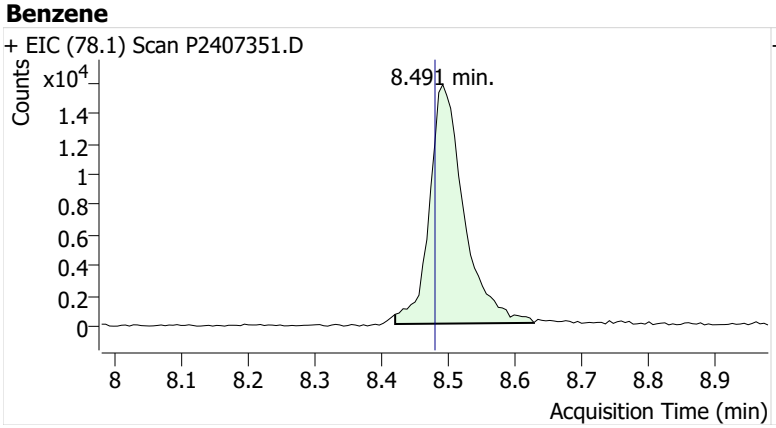
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	574,930	
Benzene	benzene-d6 (IS)	8.491	8.480	56,344	
Toluene-d8 (IS)		11.014	10.990	684,177	
Toluene	Toluene-d8 (IS)	11.103	11.085	100,992	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	20,620	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.418	39,207	
o-Xylene	Toluene-d8 (IS)	13.928	13.887	16,594	

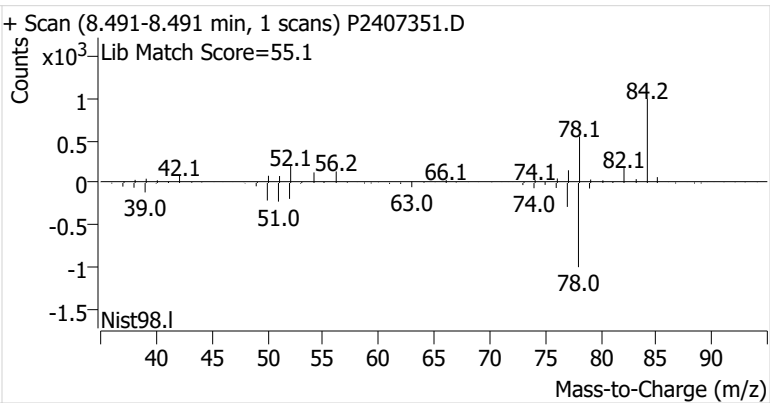
benzene-d6 (IS)



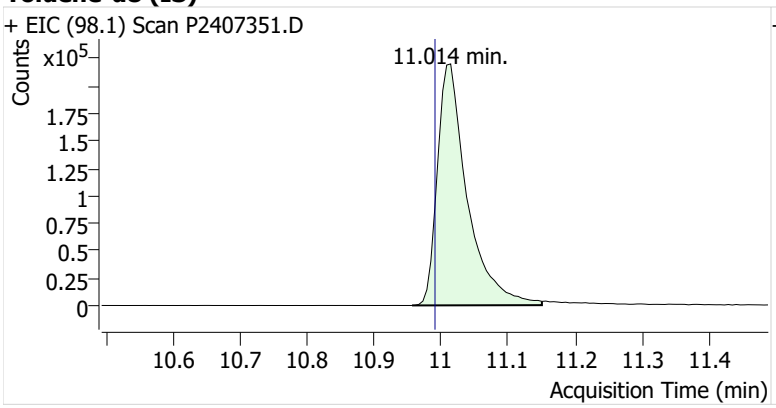


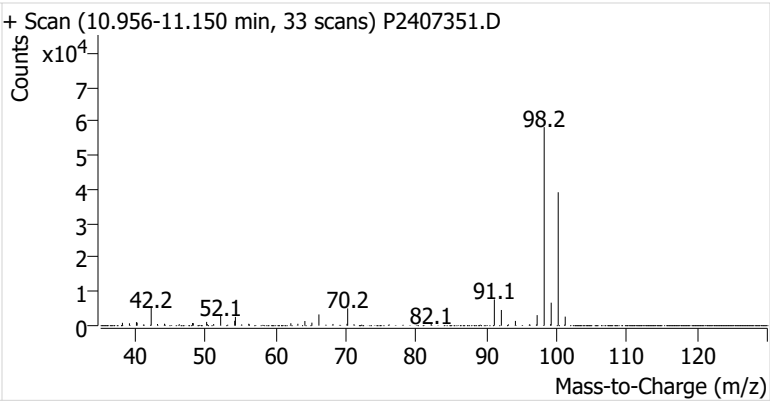
Benzene



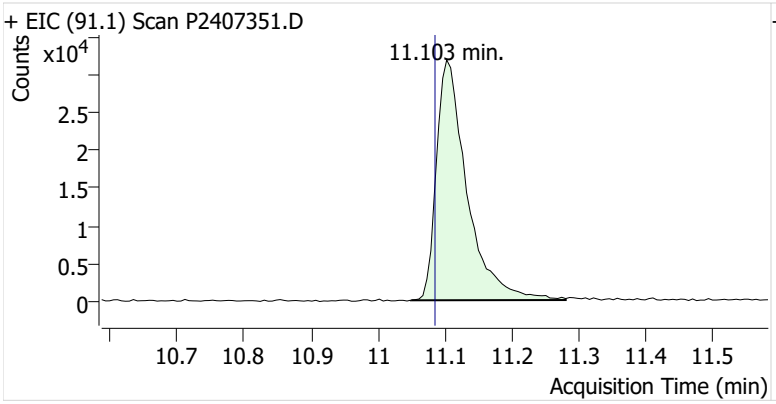


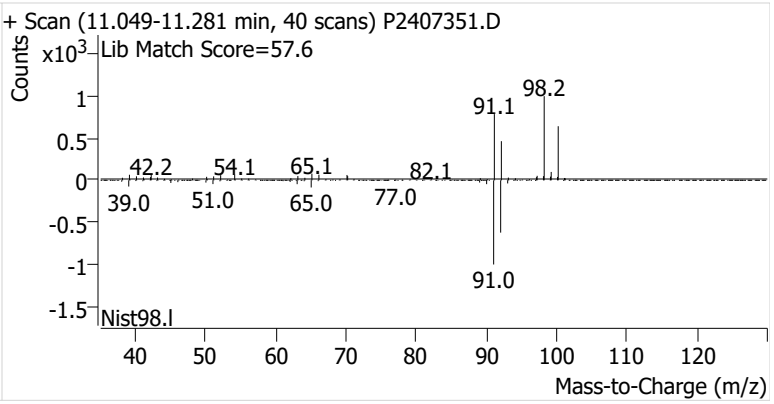
Toluene-d8 (IS)



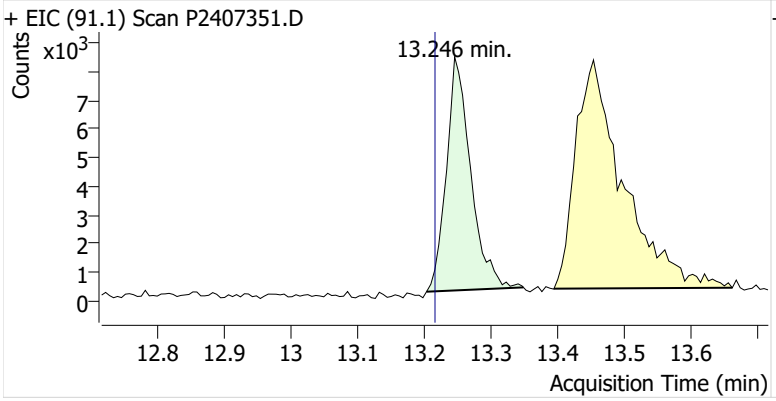


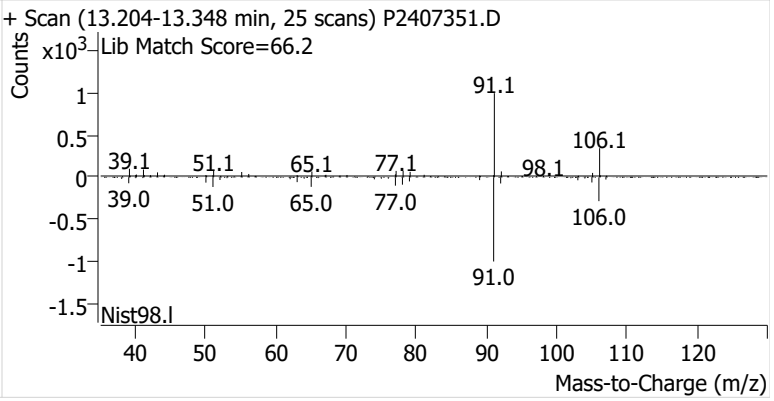
Toluene



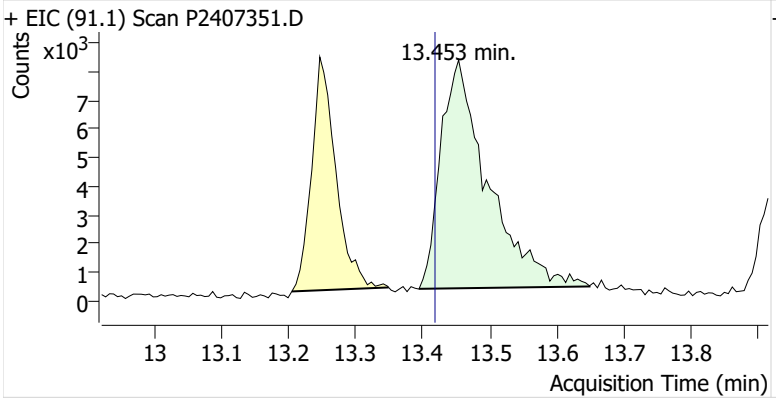


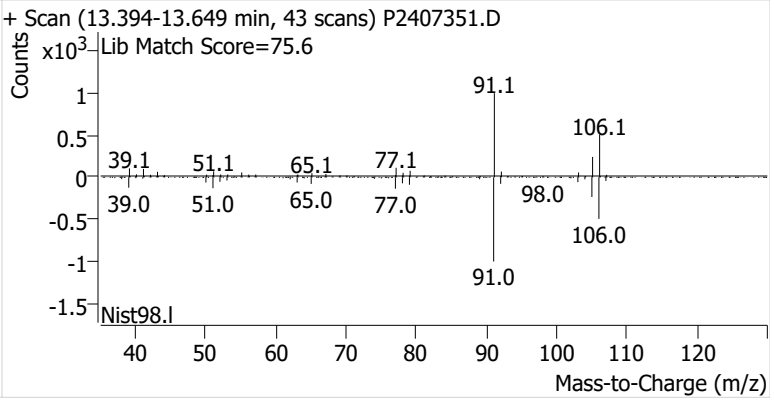
Ethylbenzene



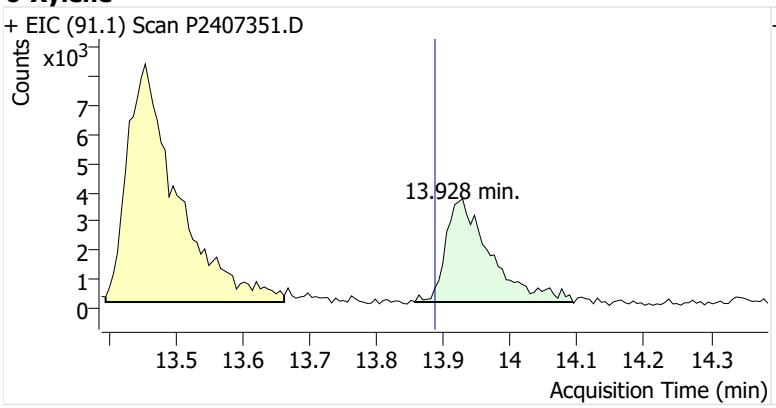


m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan P2407351.D
Counts
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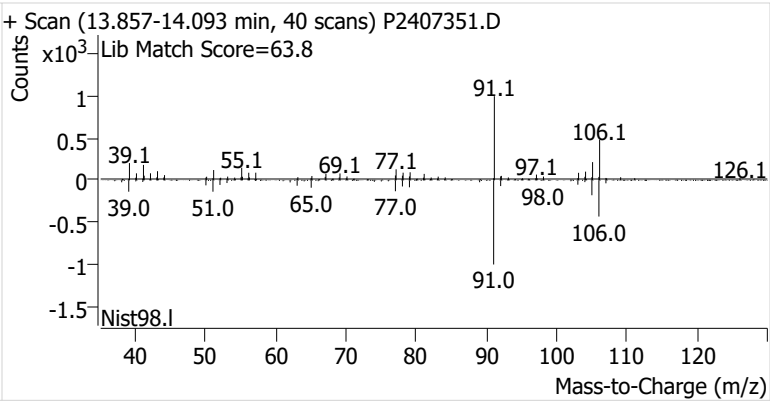
Acquisition Time (min)


+ Scan (13.857-14.093 min, 40 scans) P2407351.D
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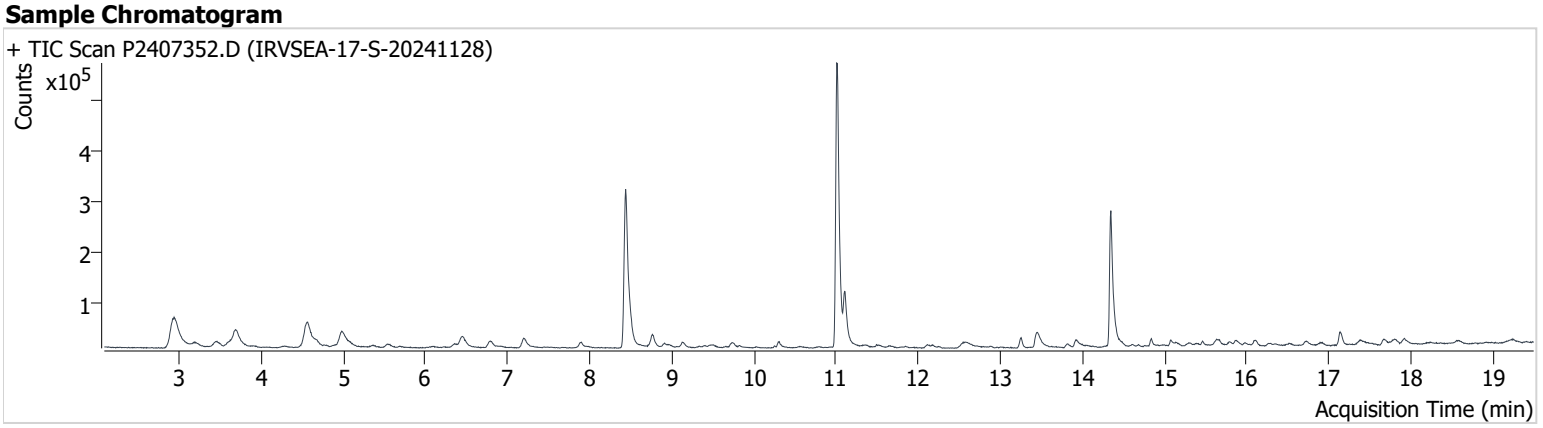
69.1
77.1
97.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

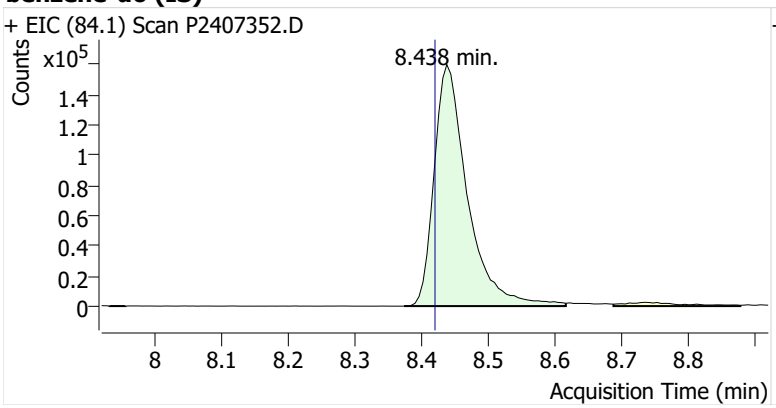
Name	IRVSEA-17-S-20241128
Comment	C43681; Recollect
Data File	P2407352.D
Acq. Date-Time	12/25/2024 8:05:14 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

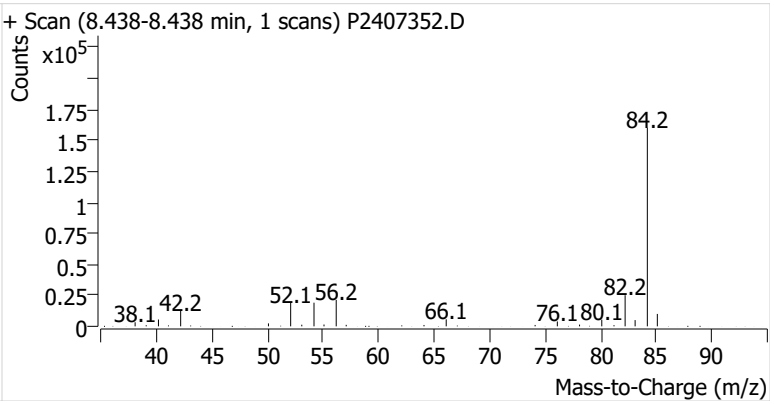
Sample Chromatogram



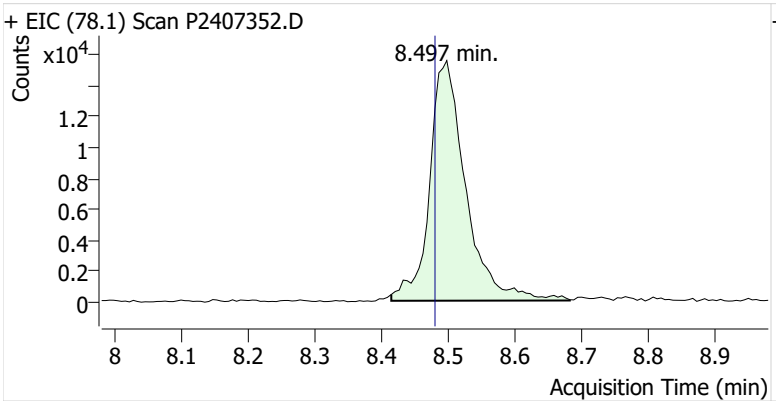
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	552,930	
Benzene	benzene-d6 (IS)	8.497	8.480	58,385	
Toluene-d8 (IS)		11.008	10.990	679,589	
Toluene	Toluene-d8 (IS)	11.109	11.085	113,373	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	22,079	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.418	55,166	
o-Xylene	Toluene-d8 (IS)	13.916	13.887	20,938	

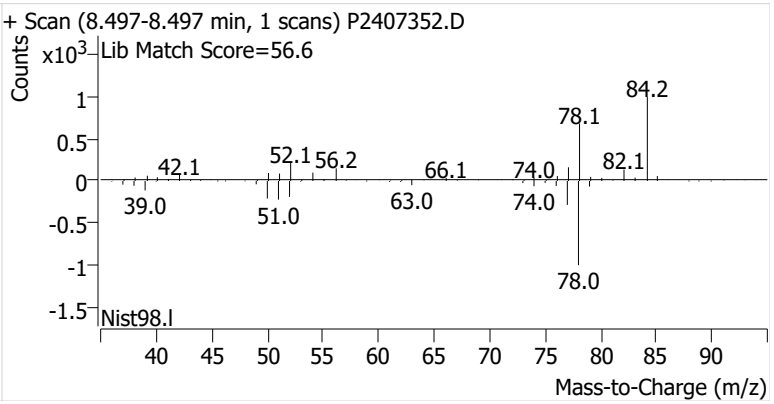
benzene-d6 (IS)



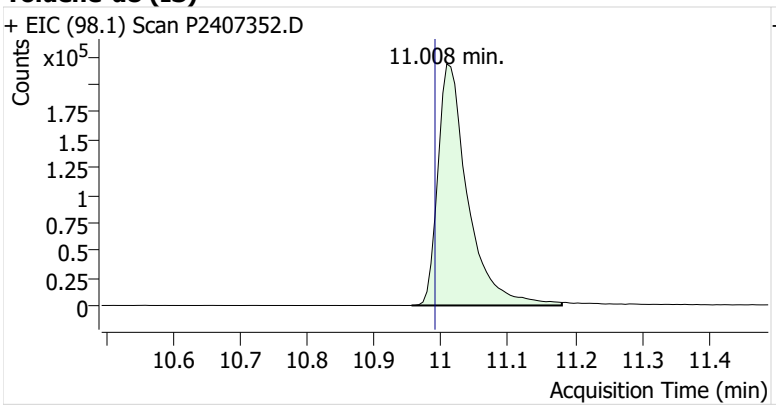


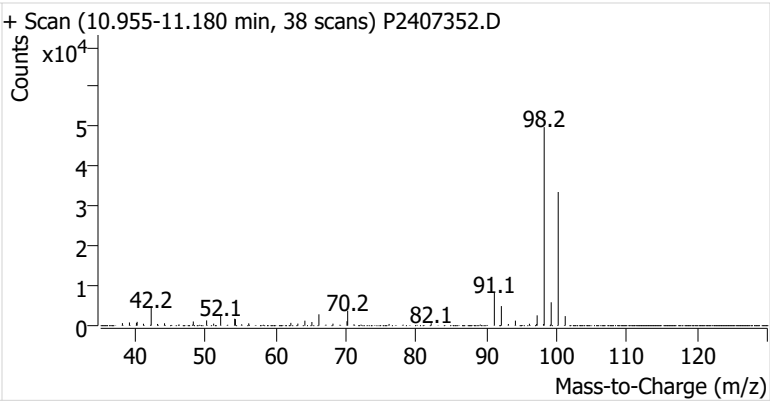
Benzene



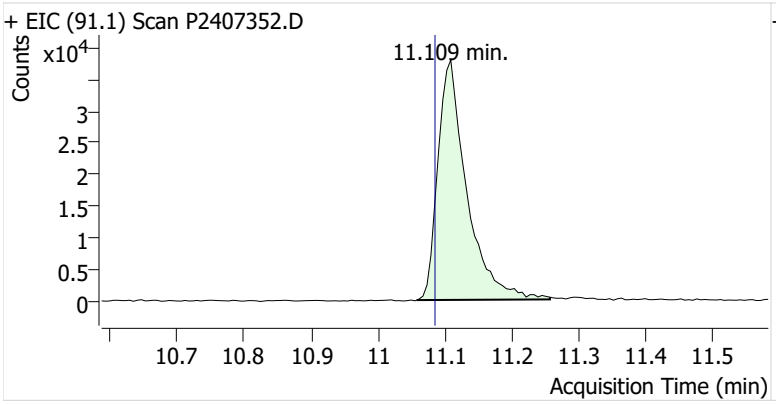


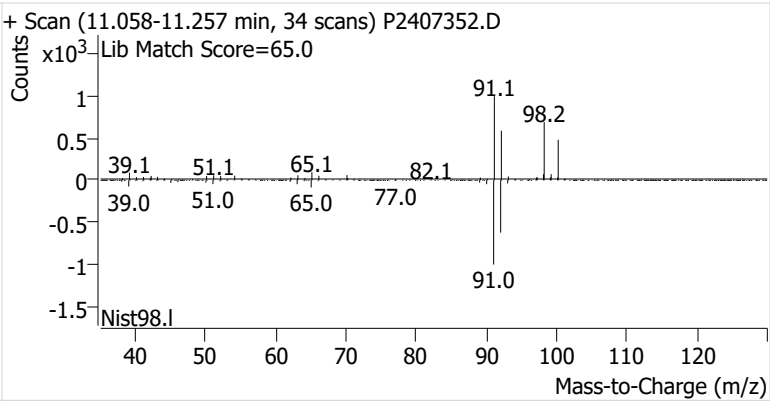
Toluene-d8 (IS)



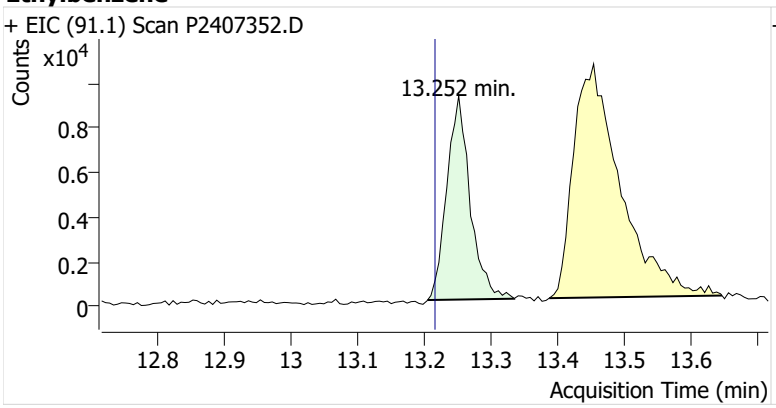


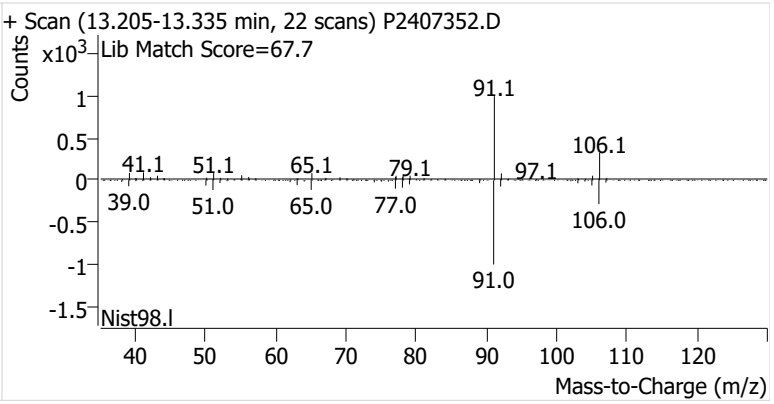
Toluene



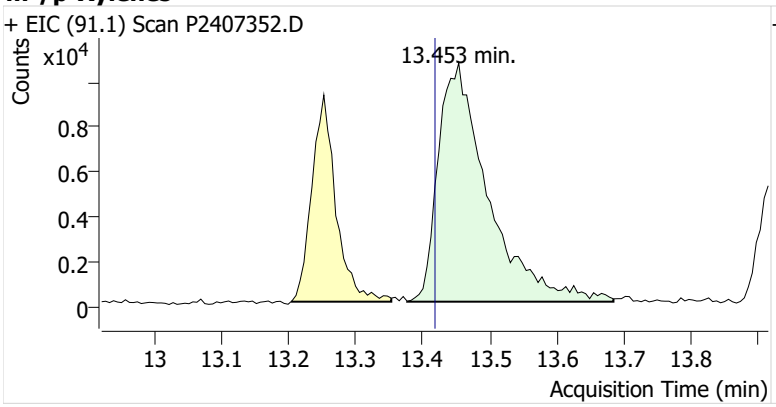


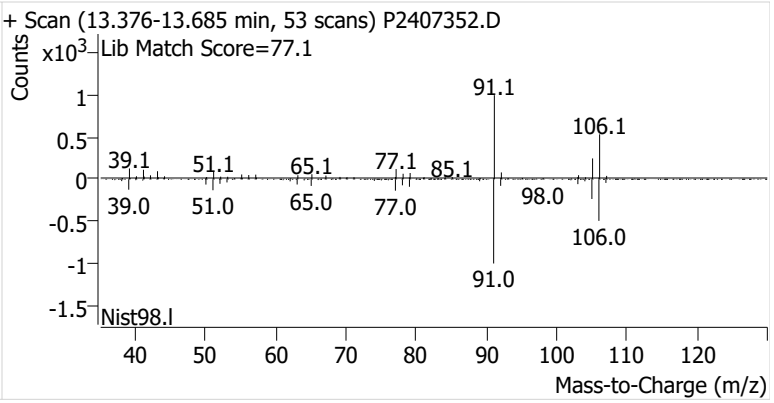
Ethylbenzene



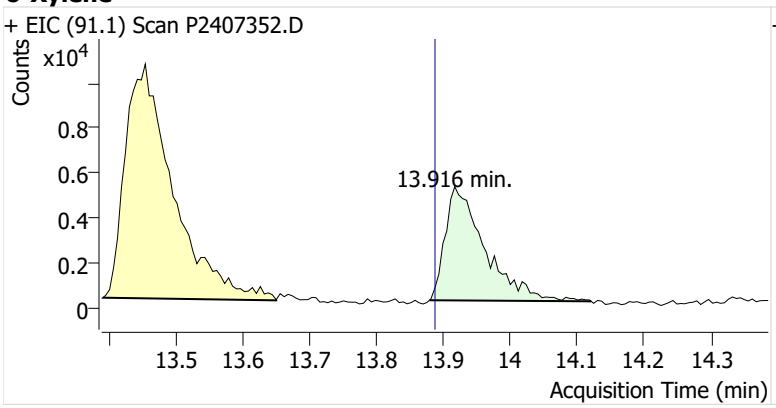


m-/p-Xylenes





o-Xylene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0.4
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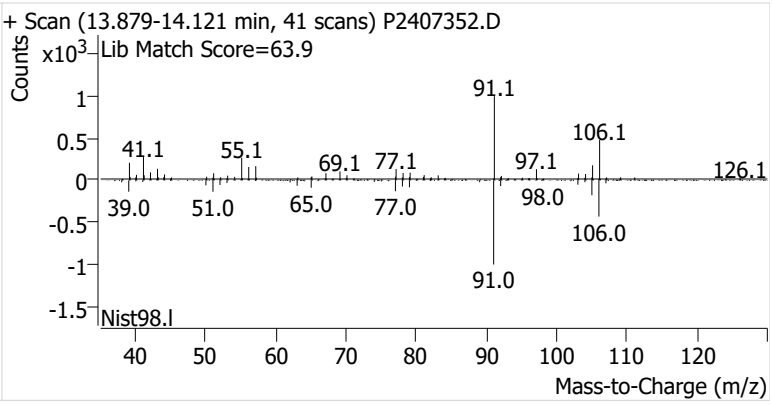
14.3
Acquisition Time (min)


+ Scan (13.879-14.121 min, 41 scans) P2407352.D
Counts
x10^3
Lib Match Score=63.9
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0
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-1
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106.1
41.1
55.1
69.1
77.1
97.1
126.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.874	0.951	0.874	-8.1%	-12%		Pass	
M325B CCV 5	Check	0.881	0.951	0.874	-7.4%		-7.6%	Pass	
M325B CCV 5	Cal	0.880	0.951	0.880	-7.5%	-18%		Pass	
2024GG406_Method Blank	Blank		0.951	0.880			22%	Pass	J
M325B CCV 5	Check	0.894	0.951	0.880	-6.0%		-7.5%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.842	0.941	0.842	-11%	-11%		Pass	
M325B CCV 5	Check	0.916	0.941	0.842	-2.7%		-6.9%	Pass	
M325B CCV 5	Cal	0.761	0.941	0.761	-19%	-17%		Pass	
2024GG406_Method Blank	Blank		0.941	0.761			-2.1%	Pass	ND
M325B CCV 5	Check	0.923	0.941	0.761	-1.9%		-5.5%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.591	0.664	0.591	-11%	-11%		Pass	
M325B CCV 5	Check	0.618	0.664	0.591	-6.9%		-6.9%	Pass	
M325B CCV 5	Cal	0.528	0.664	0.528	-20%	-17%		Pass	
2024GG406_Method Blank	Blank		0.664	0.528			-2.1%	Pass	ND
M325B CCV 5	Check	0.658	0.664	0.528	-0.92%		-5.5%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.651	0.700	0.651	-7.1%	-11%		Pass	
M325B CCV 5	Check	0.704	0.700	0.651	0.58%		-6.9%	Pass	
M325B CCV 5	Cal	0.585	0.700	0.585	-16%	-17%		Pass	
2024GG406_Method Blank	Blank		0.700	0.585			-2.1%	Pass	ND
M325B CCV 5	Check	0.711	0.700	0.585	1.5%		-5.5%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.808	0.881	0.808	-8.3%	-11%		Pass	
M325B CCV 5	Check	0.832	0.881	0.808	-5.6%		-6.9%	Pass	
M325B CCV 5	Cal	0.919	0.881	0.919	4.3%	-17%		Pass	
2024GG406_Method Blank	Blank		0.881	0.919			-2.1%	Pass	J
M325B CCV 5	Check	0.817	0.881	0.919	-7.3%		-5.5%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829.quantmethod.xml	Benzene	1	P2407318.D	5.27	46469	91.7	708108	1.141	20%
P122324A_CC233829.quantmethod.xml	Benzene	2	P2407319.D	10.55	79726	91.7	699053	0.991	4.2%
P122324A_CC233829.quantmethod.xml	Benzene	3	P2407320.D	21.09	151466	91.7	698443	0.943	-0.90%
P122324A_CC233829.quantmethod.xml	Benzene	4	P2407321.D	42.19	277015	91.7	685944	0.878	-7.7%
P122324A_CC233829.quantmethod.xml	Benzene	5	P2407322.D	105.47	675480	91.7	677510	0.867	-8.9%
P122324A_CC233829.quantmethod.xml	Benzene	6	P2407323.D	210.94	1471865	91.7	686630	0.932	-2.0%
P122324A_CC233829.quantmethod.xml	Benzene	7	P2407324.D	632.83	4275232	91.7	682909	0.907	-4.6%
						Avg:	691228	0.951	
						%RSD:	1.6%	9.8%	
P122324A_CC233829.quantmethod.xml	Ethylbenzene	1	P2407318.D	5.42	46855	108.1	1014026	0.922	-2.1%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	2	P2407319.D	10.84	95467	108.1	1012752	0.940	-0.11%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	3	P2407320.D	21.68	191827	108.1	981836	0.974	3.5%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	4	P2407321.D	43.36	350131	108.1	981986	0.889	-5.5%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	5	P2407322.D	108.40	931881	108.1	978879	0.950	0.88%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	6	P2407323.D	216.80	1887679	108.1	987383	0.953	1.3%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	7	P2407324.D	650.40	5670692	108.1	981300	0.961	2.1%
						Avg:	991166	0.941	
						%RSD:	1.6%	3.0%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	1	P2407318.D	5.46	28805	108.1	1014026	0.563	-15%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	2	P2407319.D	10.91	68718	108.1	1012752	0.672	1.3%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	3	P2407320.D	21.82	131192	108.1	981836	0.662	-0.28%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	4	P2407321.D	43.64	251198	108.1	981986	0.634	-4.5%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	5	P2407322.D	109.11	662877	108.1	978879	0.671	1.1%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	6	P2407323.D	218.22	1370970	108.1	987383	0.688	3.6%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	7	P2407324.D	654.66	4498190	108.1	981300	0.757	14%
						Avg:	991166	0.664	
						%RSD:	1.6%	8.8%	
P122324A_CC233829.quantmethod.xml	o-Xylene	1	P2407318.D	5.49	28907	108.1	1014026	0.562	-20%
P122324A_CC233829.quantmethod.xml	o-Xylene	2	P2407319.D	10.97	72791	108.1	1012752	0.708	1.2%
P122324A_CC233829.quantmethod.xml	o-Xylene	3	P2407320.D	21.94	141757	108.1	981836	0.711	1.6%
P122324A_CC233829.quantmethod.xml	o-Xylene	4	P2407321.D	43.88	284649	108.1	981986	0.714	2.0%
P122324A_CC233829.quantmethod.xml	o-Xylene	5	P2407322.D	109.71	704549	108.1	978879	0.709	1.3%
P122324A_CC233829.quantmethod.xml	o-Xylene	6	P2407323.D	219.42	1495351	108.1	987383	0.746	6.6%
P122324A_CC233829.quantmethod.xml	o-Xylene	7	P2407324.D	658.25	4483368	108.1	981300	0.750	7.2%
						Avg:	991166	0.700	
						%RSD:	1.6%	9.1%	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG406-1 EPA Method 325B Analysis

Client No.: PROJ-027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829.quantmethod.xml	Toluene	1	P2407318.D	5.48	52745	108.1	1014026	1.027	17%
P122324A_CC233829.quantmethod.xml	Toluene	2	P2407319.D	10.95	91325	108.1	1012752	0.890	1.0%
P122324A_CC233829.quantmethod.xml	Toluene	3	P2407320.D	21.91	163062	108.1	981836	0.820	-7.0%
P122324A_CC233829.quantmethod.xml	Toluene	4	P2407321.D	43.81	346858	108.1	981986	0.872	-1.1%
P122324A_CC233829.quantmethod.xml	Toluene	5	P2407322.D	109.53	806463	108.1	978879	0.813	-7.7%
P122324A_CC233829.quantmethod.xml	Toluene	6	P2407323.D	219.07	1812110	108.1	987383	0.906	2.8%
P122324A_CC233829.quantmethod.xml	Toluene	7	P2407324.D	657.20	5004765	108.1	981300	0.839	-4.8%
						Avg:	991166	0.881	
						%RSD:	1.6%	8.3%	
P122324A_CC233829.quantmethod.xml	Benzene	ICV	P2407325.D	64.66	415161	91.7	665622	0.884	-7%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	ICV	P2407325.D	86.82	647916	108.1	943563	0.855	-9.2%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	ICV	P2407325.D	90.37	523290	108.1	943563	0.663	-0.057%
P122324A_CC233829.quantmethod.xml	o-Xylene	ICV	P2407325.D	88.95	514715	108.1	943563	0.663	-5.3%
P122324A_CC233829.quantmethod.xml	Toluene	ICV	P2407325.D	77.12	539426	108.1	943563	0.801	-9%

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Irving Oil – Searsport

52 Station Ave
Searsport, ME 04974

Sampling Event 8
PROJ-027957

Analytical Report
(2024GG407)

EPA Method 325B
Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene

Report Submitted By:
Montrose Air Quality Services LLC – Pine Brook, NJ

Enthalpy Analytical, LLC
Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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QA REVIEW PERFORMED BY
Brianna Berry
QA Associate I

Report Issued: 01/23/2025

ENTHALPY
ANALYTICAL

Summary of Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
IRVSEA-1-S-20241212	C16061	0.671		<0.284	ND,Pc	0.413	J,Pc	<0.284	ND	1.15	P
IRVSEA-2-S-20241212	B34954	0.832		0.478	J,Pc	1.02	Pc	0.377	J	2.12	P
IRVSEA-2-D-20241212	C24248	0.660		<0.284	ND,Pc	0.623	Pc	<0.284	ND	1.43	P
IRVSEA-2-B-20241212	B16367	<0.195	ND	<0.284	ND,Pc	<0.284	ND,Pc	<0.284	ND	<0.251	ND,P
IRVSEA-3-S-20241212	B47097	0.936		0.371	J,Pc	1.06	Pc	0.437	J	2.24	P
IRVSEA-4-S-20241212	B35039	1.04		0.644	Pc	1.99	Pc	0.764	J	3.94	P
IRVSEA-5-S-20241212	C13987	1.06		0.692	Pc	2.02	Pc	0.794	J	3.49	P
IRVSEA-6-S-20241212	C32770	1.57		1.37	Pc	4.37	Pc	1.66		7.40	P
IRVSEA-7-S-20241212	B28887	2.14		2.26	Pc	7.01	Pc	2.62		11.2	P
IRVSEA-8-S-20241212	C38940	2.50		2.66	Pc	9.49	Pc	3.58		13.6	P
IRVSEA-8-D-20241212	B16957	2.60		2.58	Pc	8.48	Pc	3.19		14.0	P
IRVSEA-8-B-20241212	B15741	<0.195	ND	<0.284	ND,Pc	<0.284	ND,Pc	<0.284	ND	<0.251	ND,P
IRVSEA-9-S-20241212	B50650	1.27		0.964	Pc	3.17	Pc	1.23		5.24	P
IRVSEA-10-S-20241212	B30912	1.76		1.51	Pc	5.09	Pc	1.95		7.67	P
IRVSEA-11-S-20241212	C36885	0.922		0.629	Pc	1.70	Pc	0.636	J	2.91	P
IRVSEA-12-S-20241212	C43701	0.805		0.397	J,Pc	1.28	Pc	0.488	J	2.33	P
IRVSEA-13-S-20241212	B38439	0.683		<0.284	ND,Pc	0.506	J,Pc	<0.284	ND	1.21	P
IRVSEA-14-S-20241212	B16824	0.680		<0.284	ND,Pc	0.447	J,Pc	<0.284	ND	1.26	P
IRVSEA-15-S-20241212	C00721		Fe, Z		Pc,Fe, Z		Pc,Fe, Z		Fe, Z		P,Fe, Z
IRVSEA-16-S-20241212	B30712	0.665		0.321	J,Pc	0.617	Pc	<0.283	ND	1.45	P
IRVSEA-17-S-20241212	C01630	0.741		0.360	J,Pc	0.380	J,Pc	<0.283	ND	1.06	P

Fe: Field Error. See report narrative for details
J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit
Z: Sample was not analyzed. See the narrative for details.

Results

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241212	C16061	0.671	0.210	8.61	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-2-S-20241212	B34954	0.832	0.261	10.7	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-2-D-20241212	C24248	0.660	0.207	8.47	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-2-B-20241212	B16367	<0.195	<0.0610		25.0	0.637	20,165	0.195	0.389	0.0610	0.122	ND
IRVSEA-3-S-20241212	B47097	0.936	0.293	12.0	25.0	0.637	20,160	0.195	0.389	0.0610	0.122	
IRVSEA-4-S-20241212	B35039	1.04	0.327	13.4	25.0	0.637	20,160	0.195	0.389	0.0610	0.122	
IRVSEA-5-S-20241212	C13987	1.06	0.332	13.6	25.0	0.637	20,160	0.195	0.389	0.0610	0.122	
IRVSEA-6-S-20241212	C32770	1.57	0.493	20.2	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-7-S-20241212	B28887	2.14	0.670	27.5	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-8-S-20241212	C38940	2.50	0.782	32.0	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-8-D-20241212	B16957	2.60	0.814	33.4	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-8-B-20241212	B15741	<0.195	<0.0610		25.0	0.637	20,165	0.195	0.389	0.0610	0.122	ND
IRVSEA-9-S-20241212	B50650	1.27	0.397	16.3	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-10-S-20241212	B30912	1.76	0.553	22.6	25.0	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-11-S-20241212	C36885	0.922	0.289	11.8	24.9	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-12-S-20241212	C43701	0.805	0.252	10.3	24.9	0.637	20,170	0.195	0.389	0.0610	0.122	
IRVSEA-13-S-20241212	B38439	0.683	0.214	8.77	24.9	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-14-S-20241212	B16824	0.680	0.213	8.73	24.9	0.637	20,165	0.195	0.389	0.0610	0.122	
IRVSEA-15-S-20241212	C00721				24.9		20,175					Fe, Z
IRVSEA-16-S-20241212	B30712	0.665	0.208	8.55	24.9	0.637	20,175	0.195	0.389	0.0610	0.122	
IRVSEA-17-S-20241212	C01630	0.741	0.232	9.52	24.9	0.637	20,175	0.195	0.389	0.0610	0.122	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241212	C16061	<0.284	<0.0654		25.0	0.437	20,165	0.284	0.589	0.0654	0.136	ND,Pc
IRVSEA-2-S-20241212	B34954	0.478	0.110	4.22	25.0	0.437	20,165	0.284	0.589	0.0654	0.136	J,Pc
IRVSEA-2-D-20241212	C24248	<0.284	<0.0654		25.0	0.437	20,165	0.284	0.589	0.0654	0.136	ND,Pc
IRVSEA-2-B-20241212	B16367	<0.284	<0.0654		25.0	0.437	20,165	0.284	0.589	0.0654	0.136	ND,Pc
IRVSEA-3-S-20241212	B47097	0.371	0.0855	3.27	25.0	0.437	20,160	0.284	0.590	0.0654	0.136	J,Pc
IRVSEA-4-S-20241212	B35039	0.644	0.148	5.68	25.0	0.437	20,160	0.284	0.590	0.0654	0.136	Pc
IRVSEA-5-S-20241212	C13987	0.692	0.159	6.09	25.0	0.437	20,160	0.284	0.590	0.0654	0.136	Pc
IRVSEA-6-S-20241212	C32770	1.37	0.316	12.1	25.0	0.437	20,165	0.284	0.589	0.0654	0.136	Pc
IRVSEA-7-S-20241212	B28887	2.26	0.522	20.0	25.0	0.437	20,165	0.284	0.589	0.0654	0.136	Pc
IRVSEA-8-S-20241212	C38940	2.66	0.613	23.5	25.0	0.437	20,165	0.284	0.589	0.0654	0.136	Pc
IRVSEA-8-D-20241212	B16957	2.58	0.595	22.8	25.0	0.437	20,165	0.284	0.589	0.0654	0.136	Pc
IRVSEA-8-B-20241212	B15741	<0.284	<0.0654		25.0	0.437	20,165	0.284	0.589	0.0654	0.136	ND,Pc
IRVSEA-9-S-20241212	B50650	0.964	0.222	8.50	25.0	0.437	20,165	0.284	0.589	0.0654	0.136	Pc
IRVSEA-10-S-20241212	B30912	1.51	0.347	13.3	25.0	0.437	20,165	0.284	0.589	0.0654	0.136	Pc
IRVSEA-11-S-20241212	C36885	0.629	0.145	5.55	24.9	0.437	20,165	0.284	0.589	0.0654	0.136	Pc
IRVSEA-12-S-20241212	C43701	0.397	0.0915	3.50	24.9	0.437	20,170	0.284	0.589	0.0653	0.136	J,Pc
IRVSEA-13-S-20241212	B38439	<0.284	<0.0654		24.9	0.437	20,165	0.284	0.589	0.0654	0.136	ND,Pc
IRVSEA-14-S-20241212	B16824	<0.284	<0.0654		24.9	0.437	20,165	0.284	0.589	0.0654	0.136	ND,Pc
IRVSEA-15-S-20241212	C00721				24.9		20,175					Pc,Fe, Z
IRVSEA-16-S-20241212	B30712	0.321	0.0740	2.83	24.9	0.437	20,175	0.283	0.589	0.0653	0.136	J,Pc
IRVSEA-17-S-20241212	C01630	0.360	0.0831	3.18	24.9	0.437	20,175	0.283	0.589	0.0653	0.136	J,Pc

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241212	C16061	0.413	0.0951	3.64	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	J,Pc
IRVSEA-2-S-20241212	B34954	1.02	0.236	9.01	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-2-D-20241212	C24248	0.623	0.144	5.50	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-2-B-20241212	B16367	<0.284	<0.0654		25.0	0.437	20,165	0.284	0.557	0.0654	0.128	ND,Pc
IRVSEA-3-S-20241212	B47097	1.06	0.245	9.36	25.0	0.437	20,160	0.284	0.557	0.0654	0.128	Pc
IRVSEA-4-S-20241212	B35039	1.99	0.458	17.5	25.0	0.437	20,160	0.284	0.557	0.0654	0.128	Pc
IRVSEA-5-S-20241212	C13987	2.02	0.466	17.8	25.0	0.437	20,160	0.284	0.557	0.0654	0.128	Pc
IRVSEA-6-S-20241212	C32770	4.37	1.01	38.5	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-7-S-20241212	B28887	7.01	1.61	61.8	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-8-S-20241212	C38940	9.49	2.19	83.7	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-8-D-20241212	B16957	8.48	1.95	74.8	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-8-B-20241212	B15741	<0.284	<0.0654		25.0	0.437	20,165	0.284	0.557	0.0654	0.128	ND,Pc
IRVSEA-9-S-20241212	B50650	3.17	0.731	28.0	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-10-S-20241212	B30912	5.09	1.17	44.8	25.0	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-11-S-20241212	C36885	1.70	0.392	15.0	24.9	0.437	20,165	0.284	0.557	0.0654	0.128	Pc
IRVSEA-12-S-20241212	C43701	1.28	0.294	11.3	24.9	0.437	20,170	0.284	0.557	0.0653	0.128	Pc
IRVSEA-13-S-20241212	B38439	0.506	0.117	4.46	24.9	0.437	20,165	0.284	0.557	0.0654	0.128	J,Pc
IRVSEA-14-S-20241212	B16824	0.447	0.103	3.94	24.9	0.437	20,165	0.284	0.557	0.0654	0.128	J,Pc
IRVSEA-15-S-20241212	C00721				24.9		20,175					Pc,Fe, Z
IRVSEA-16-S-20241212	B30712	0.617	0.142	5.44	24.9	0.437	20,175	0.283	0.556	0.0653	0.128	Pc
IRVSEA-17-S-20241212	C01630	0.380	0.0875	3.35	24.9	0.437	20,175	0.283	0.556	0.0653	0.128	J,Pc

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241212	C16061	<0.284	<0.0654		25.0	0.437	20,165	0.284	1.15	0.0654	0.265	ND
IRVSEA-2-S-20241212	B34954	0.377	0.0869	3.33	25.0	0.437	20,165	0.284	1.15	0.0654	0.265	J
IRVSEA-2-D-20241212	C24248	<0.284	<0.0654		25.0	0.437	20,165	0.284	1.15	0.0654	0.265	ND
IRVSEA-2-B-20241212	B16367	<0.284	<0.0654		25.0	0.437	20,165	0.284	1.15	0.0654	0.265	ND
IRVSEA-3-S-20241212	B47097	0.437	0.101	3.85	25.0	0.437	20,160	0.284	1.15	0.0654	0.265	J
IRVSEA-4-S-20241212	B35039	0.764	0.176	6.73	25.0	0.437	20,160	0.284	1.15	0.0654	0.265	J
IRVSEA-5-S-20241212	C13987	0.794	0.183	7.00	25.0	0.437	20,160	0.284	1.15	0.0654	0.265	J
IRVSEA-6-S-20241212	C32770	1.66	0.383	14.6	25.0	0.437	20,165	0.284	1.15	0.0654	0.265	
IRVSEA-7-S-20241212	B28887	2.62	0.605	23.1	25.0	0.437	20,165	0.284	1.15	0.0654	0.265	
IRVSEA-8-S-20241212	C38940	3.58	0.826	31.6	25.0	0.437	20,165	0.284	1.15	0.0654	0.265	
IRVSEA-8-D-20241212	B16957	3.19	0.735	28.1	25.0	0.437	20,165	0.284	1.15	0.0654	0.265	
IRVSEA-8-B-20241212	B15741	<0.284	<0.0654		25.0	0.437	20,165	0.284	1.15	0.0654	0.265	ND
IRVSEA-9-S-20241212	B50650	1.23	0.283	10.8	25.0	0.437	20,165	0.284	1.15	0.0654	0.265	
IRVSEA-10-S-20241212	B30912	1.95	0.450	17.2	25.0	0.437	20,165	0.284	1.15	0.0654	0.265	
IRVSEA-11-S-20241212	C36885	0.636	0.147	5.60	24.9	0.437	20,165	0.284	1.15	0.0654	0.265	J
IRVSEA-12-S-20241212	C43701	0.488	0.112	4.30	24.9	0.437	20,170	0.284	1.15	0.0653	0.265	J
IRVSEA-13-S-20241212	B38439	<0.284	<0.0654		24.9	0.437	20,165	0.284	1.15	0.0654	0.265	ND
IRVSEA-14-S-20241212	B16824	<0.284	<0.0654		24.9	0.437	20,165	0.284	1.15	0.0654	0.265	ND
IRVSEA-15-S-20241212	C00721				24.9		20,175					Fe, Z
IRVSEA-16-S-20241212	B30712	<0.283	<0.0653		24.9	0.437	20,175	0.283	1.15	0.0653	0.265	ND
IRVSEA-17-S-20241212	C01630	<0.283	<0.0653		24.9	0.437	20,175	0.283	1.15	0.0653	0.265	ND

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
IRVSEA-1-S-20241212	C16061	1.15	0.304	11.4	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-2-S-20241212	B34954	2.12	0.563	21.1	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-2-D-20241212	C24248	1.43	0.381	14.3	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-2-B-20241212	B16367	<0.251	<0.0666		25.0	0.494	20,165	0.251	0.542	0.0666	0.144	ND,P
IRVSEA-3-S-20241212	B47097	2.24	0.594	22.3	25.0	0.494	20,160	0.251	0.543	0.0666	0.144	P
IRVSEA-4-S-20241212	B35039	3.94	1.05	39.3	25.0	0.494	20,160	0.251	0.543	0.0666	0.144	P
IRVSEA-5-S-20241212	C13987	3.49	0.927	34.8	25.0	0.494	20,160	0.251	0.543	0.0666	0.144	P
IRVSEA-6-S-20241212	C32770	7.40	1.96	73.7	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-7-S-20241212	B28887	11.2	2.97	112	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-8-S-20241212	C38940	13.6	3.60	135	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-8-D-20241212	B16957	14.0	3.72	139	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-8-B-20241212	B15741	<0.251	<0.0666		25.0	0.494	20,165	0.251	0.542	0.0666	0.144	ND,P
IRVSEA-9-S-20241212	B50650	5.24	1.39	52.2	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-10-S-20241212	B30912	7.67	2.04	76.4	25.0	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-11-S-20241212	C36885	2.91	0.773	29.0	24.9	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-12-S-20241212	C43701	2.33	0.618	23.2	24.9	0.494	20,170	0.251	0.542	0.0666	0.144	P
IRVSEA-13-S-20241212	B38439	1.21	0.321	12.0	24.9	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-14-S-20241212	B16824	1.26	0.334	12.5	24.9	0.494	20,165	0.251	0.542	0.0666	0.144	P
IRVSEA-15-S-20241212	C00721				24.9		20,175					P,Fe, Z
IRVSEA-16-S-20241212	B30712	1.45	0.384	14.4	24.9	0.494	20,175	0.251	0.542	0.0666	0.144	P
IRVSEA-17-S-20241212	C01630	1.06	0.280	10.5	24.9	0.494	20,175	0.251	0.542	0.0666	0.144	P

Fe: Field Error. See report narrative for details
J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit
Z: Sample was not analyzed. See the narrative for details.

QC

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	IRVSEA-2-B-20241212	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
	IRVSEA-8-B-20241212	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	IRVSEA-2-D-20241212	23%	Pass	51%	Pc	48%	Pc	28%	Pass	39%	P
	IRVSEA-8-D-20241212	4.1%	Pass	3.0%	Pass	11%	Pass	12%	Pass	3.2%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Montrose Air Quality Services, LLC - New Jersey
Site	Irving Oil - Searsport
Project	PROJ-027957
Report #	2024GG407

Custody	Enthalpy Analytical, LLC received the sample tubes on 12/31/24. The samples were received in good condition at a temperature of 18.6 ºC. Sample Tube C00721 was received on 1/14/25 at a temperature of 17.3 ºC. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for Benzene, Toluene, Ethylbenzene, o-Xylene, and m-/p-Xylenes using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB criteria have been met for this analysis. The lowest level for the initial calibration did not meet method criteria for o-xylene and has been excluded from the curve for o-xylene. This results in the LOQ (Limit of Quantitation) being elevated for o-xylene. The integrity of the reported data is not compromised. The initial calibration met all other 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. The primary sample IRVSEA-2-S-20241212 (tube ID B34954) and its corresponding duplicate IRVSEA-2-D-20241212 (tube ID C24248) failed to meet the 30% difference criterion for toluene specified by the method. All samples in the data set have been flagged “P” for toluene to denote this failure. The primary sample IRVSEA-2-S-20241212 (tube ID B34954) and its corresponding duplicate IRVSEA-2-D-20241212 (tube ID C24248) failed to meet the 30% difference criteria for ethylbenzene and m-/p-xylenes specified by the method. However, the concentrations of the analyte in both the sample and the duplicate were less than two times the reporting limit of the instrument’s calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All samples in the data set have been flagged “Pc” for ethylbenzene and m-/p-xylenes to denote this failure.

Enthalpy Analytical Narrative Summary
(continued)

Reporting Notes	It was noted on the COC that sample IRVSEA-15-S-20241212 (tube ID C00721) was lost and later found. The sample was analyzed when received at a later date but because of the issues with sample custody this sample is reported with a null value, and is flagged "Z" and "Fe" to denote these errors. The samples may have been purged to remove known or suspected moisture. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m3 and ppbv. The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody

2024GG407

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EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 3

☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Searsport Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave.	**Project Number:**	PROJ - 027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
1	C16061	S	12/12/24	8:55 AM	12/26/24	9:00 AM	HFB/HFB		
2	B34954	S	12/12/24	9:05 AM	12/26/24	9:10 AM	HFB/HFB		
2	C24248	D	12/12/24	9:05 AM	12/26/24	9:10 AM	HFB/HFB		
2	B16367	B	12/12/24	9:05 AM	12/26/24	9:10 AM	HFB/HFB		
3	B47097	S	12/12/24	9:15 AM	12/26/24	9:15 AM	HFB/HFB		
4	B35039	S	12/12/24	9:20 AM	12/26/24	9:20 AM	HFB/HFB		
5	C13987	S	12/12/24	9:30 AM	12/26/24	9:30 AM	HFB/HFB		
6	C32770	S	12/12/24	9:35 AM	12/26/24	9:40 AM	HFB/HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu	Haig Brochu	12/26/2024	18:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Regan Allen		12/31/2024	9:00
Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
Good		Yes	
Ice Temp: / **Blank Temp:** 18.6	Fluke 7A	**Add Custody Seal # below:** 24H03446	

Comments:

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

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2024GG407

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

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☐ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave.	**Project Number:**	PROJ - 027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
7	B28887	S	12/12/24	9:45 AM	12/26/24	9:50 AM	HFB/HFB		
8	C38940	S	12/12/24	9:55 AM	12/26/24	10:00 AM	HFB/HFB		
8	B16957	D	12/12/24	9:55 AM	12/26/24	10:00 AM	HFB/HFB		
8	B15741	B	12/12/24	9:55 AM	12/26/24	10:00 AM	HFB/HFB		
9	B50650	S	12/12/24	10:05 AM	12/26/24	10:10 AM	HFB/HFB		
10	B30912	S	12/12/24	10:10 AM	12/26/24	10:15 AM	HFB/HFB		
11	C36885	S	12/12/24	10:15 AM	12/26/24	10:20 AM	HFB/HFB		
12	C43701	S	12/12/24	10:20 AM	12/26/24	10:30 AM	HFB/HFB		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu	Haig Brochu	12/26/2026	18:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Began Allen		12/31/2024	9:00
Sample Condition Upon Receipt:	**Compound List:**	**Custody Seal intact? Y/N:**	**Delivery tracking #**
Good		yes	
Ice Temp: / **Blank Temp:** 18.6 / FLUKE 7A		**Add Custody Seal # below:** 24H03446	

Comments:

800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

2024GG407

ENTHALPY ANALYTICAL

EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # of #

☐ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, Inc.
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name:	Irving Oil Searsport Terminal	**Client Name:**	Montrose Air	**PO#:**	
Site Address:	52 Station Ave.	**Project Number:**	PROJ - 027957	**Sample Event #**	
City:	Searsport	**Project Manager:**	Haig Brochu	**Sorbent:**	
State	Maine	**Email Address:**	haigbrochu@Montrose-env.com		
Zip:	04974	**Telephone #:**	207-441-0025		

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
13	B38439	S	12/12/24	10:30 AM	12/26/24	10:35 AM	HFB/HFB		
14	B16824	S	12/12/24	10:35 AM	12/26/24	10:40 AM	HFB/HFB		
15	(1) C00721	S	12/12/24	11:00 AM	12/26/24	11:15 AM	HFB/HFB		
16	B30712	S	12/12/24	11:05 AM	12/26/24	11:20 AM	HFB/HFB		
17	C01630	S	12/12/24	11:10 AM	12/26/24	11:25 AM	HFB/HFB		
							/		
							/		
							/		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Haig Brochu	Haig Brochu	12/26/2024	18:00
Recieved By (printed):	**Recieved By (signature):**	**Receipt Date:**	**Receipt Time:**
Regan Allen		12/31/2024	9:00

Sample Condition Upon Receipt:	Compound List:	Custody Seal intact? Y/N:	Delivery tracking #
Good		Yes	
Ice Temp: / **Blank Temp:** 19.6 FlukeTA		Add Custody Seal # below: ~~24H03344~~ RAA	

Comments: (1) C00721 was not received and could not be located. MJZ 1/13/25

24H03446 12/31/2024

Sample Chromatograms

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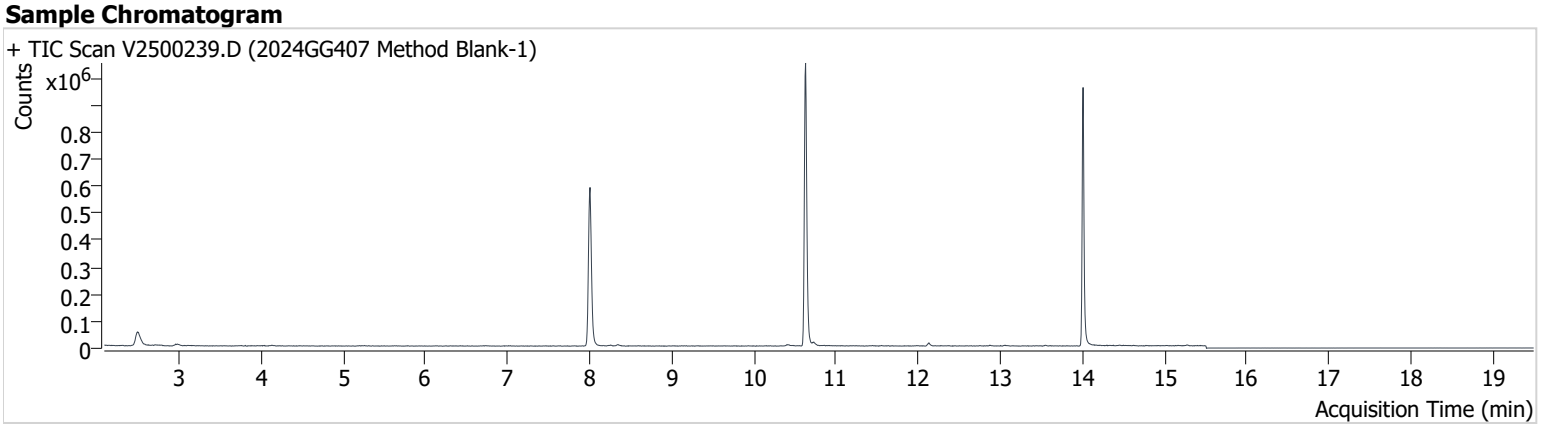
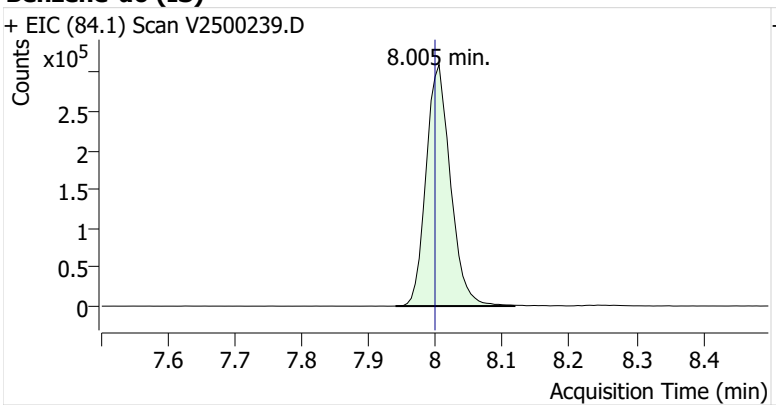
Name	2024GG407 Method Blank-1
Comment	C43713
Data File	V2500239.D
Acq. Date-Time	1/13/2025 10:17:05 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

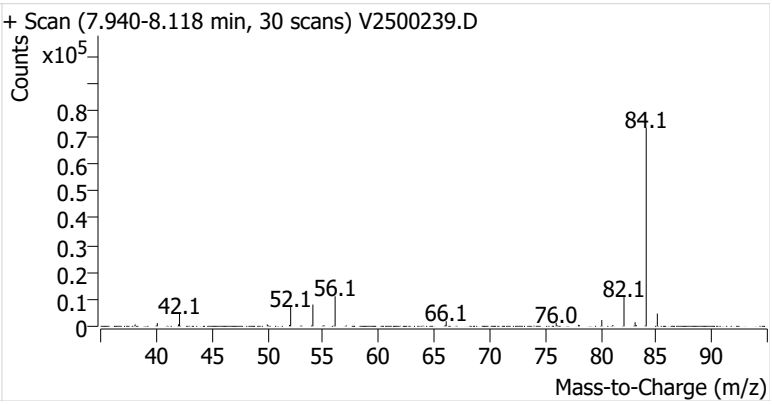
Sample Chromatogram



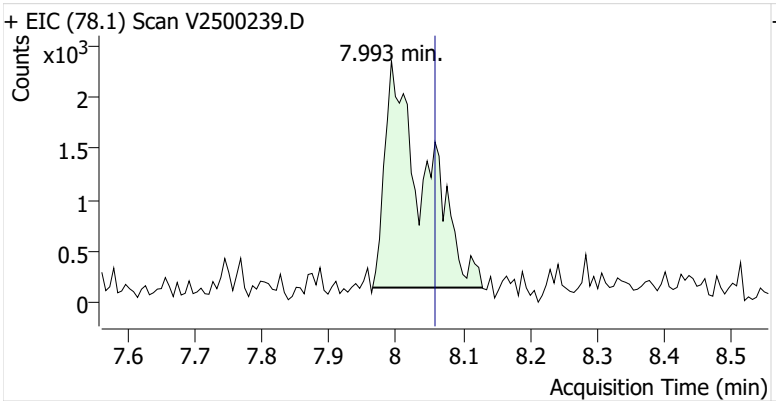
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.005	7.999	785,631	
Benzene	Benzene-d6 (IS)	7.993	8.058	9,157	
Toluene-d8 (IS)		10.628	10.628	848,001	
Toluene	Toluene-d8 (IS)	10.729	10.723	5,147	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	2,029	
m-/p-Xylenes	Toluene-d8 (IS)	13.050	13.068	2,001	m
o-Xylene	Toluene-d8 (IS)	13.542	13.548	1,781	

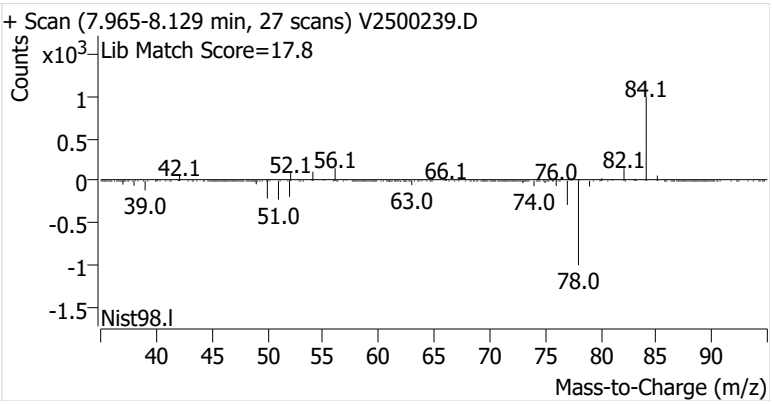
Benzene-d6 (IS)



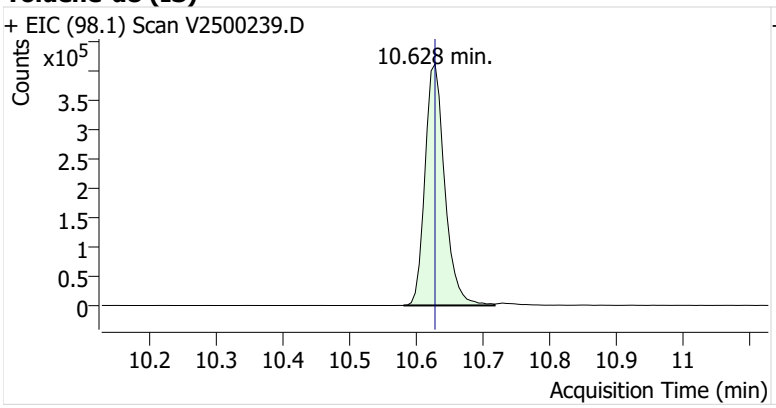


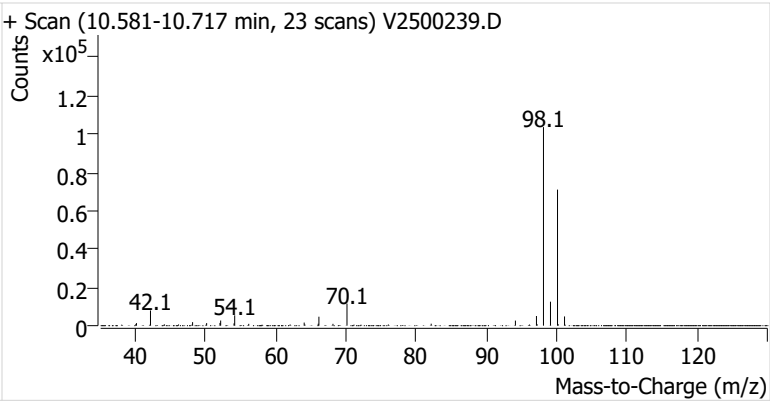
Benzene



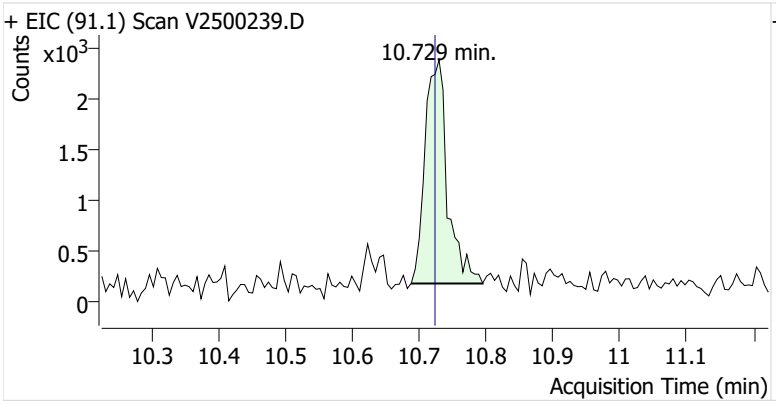


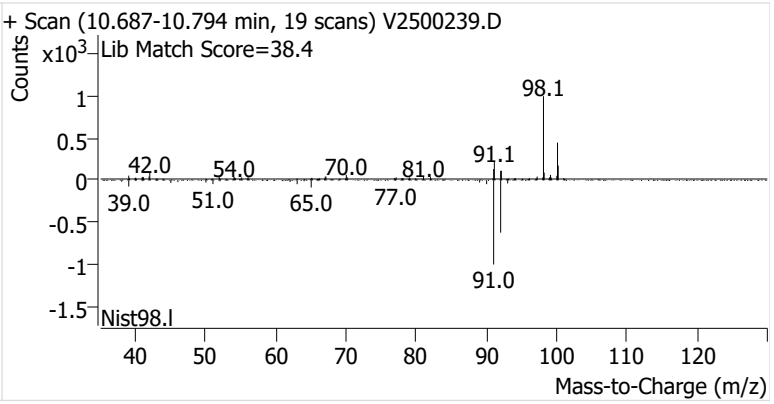
Toluene-d8 (IS)



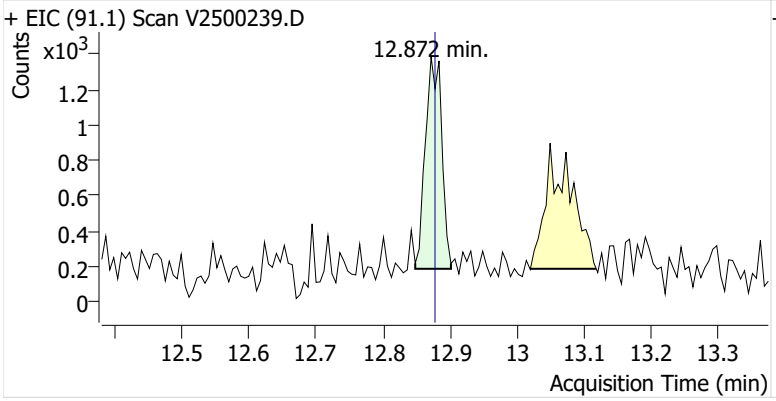


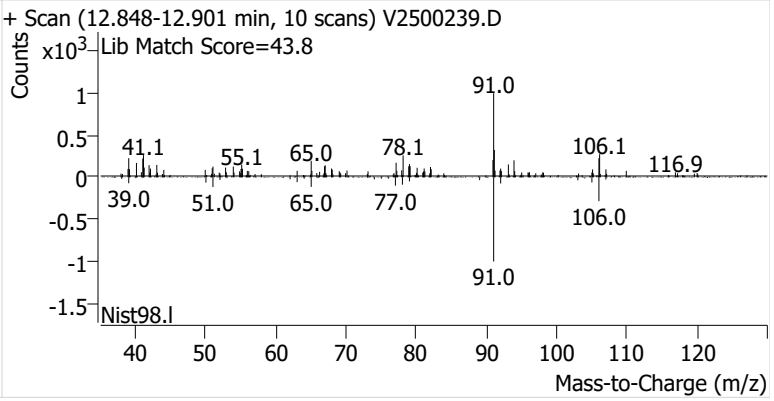
Toluene



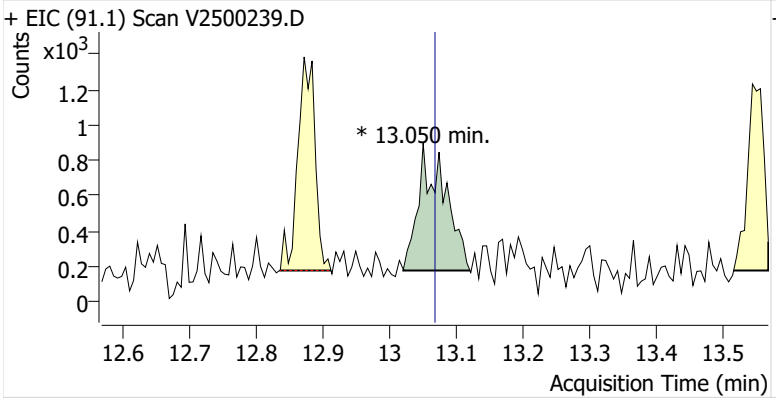


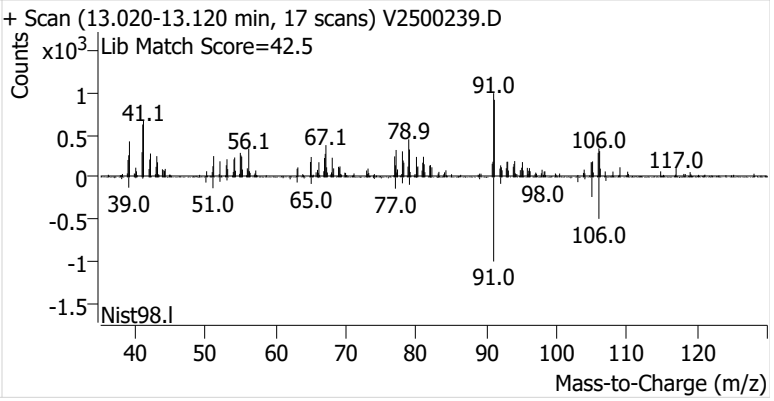
Ethylbenzene



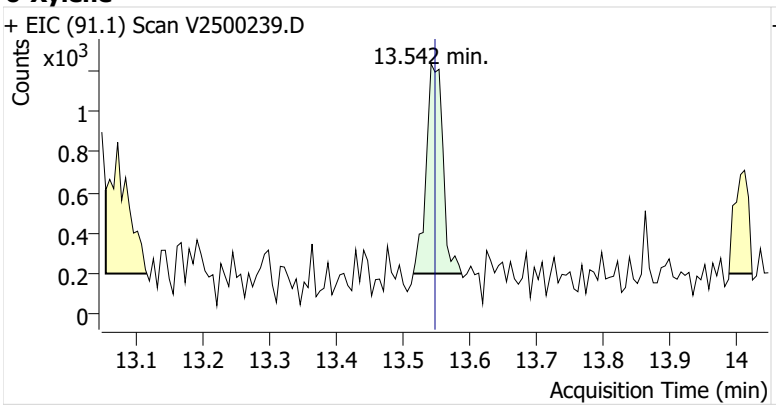


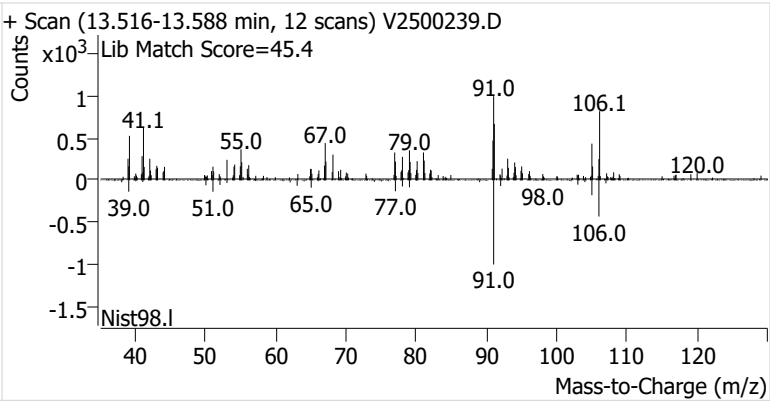
m-/p-Xylenes





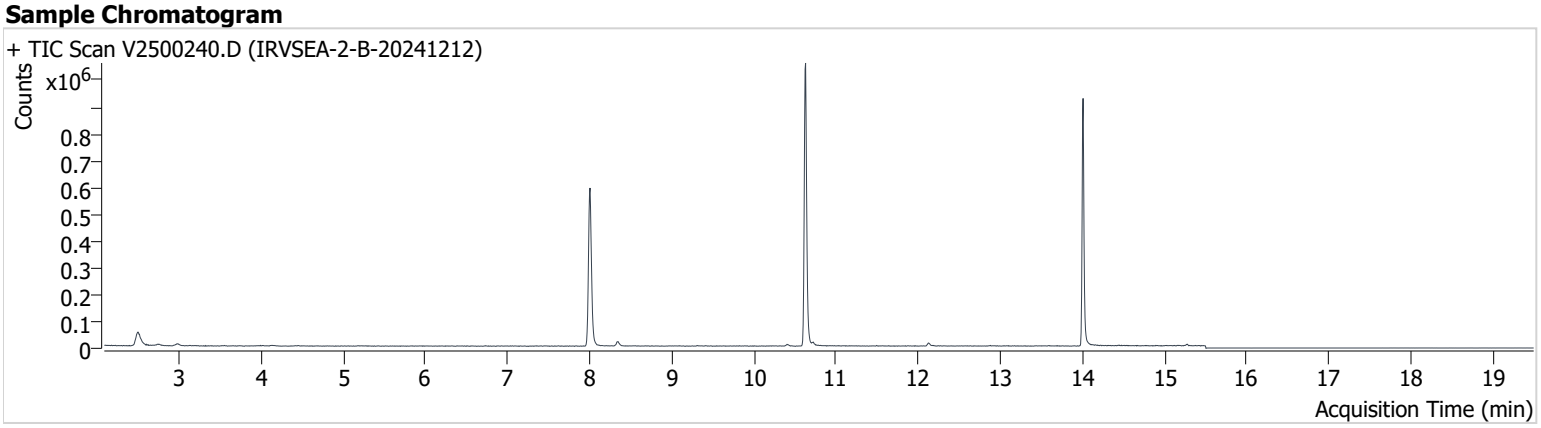
o-Xylene


+ EIC (91.1) Scan V2500239.D
Counts
x10^3
13.542 min.
1
0.8
0.6
0.4
0.2
0
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.516-13.588 min, 12 scans) V2500239.D
Counts
x10^3
Lib Match Score=45.4
1
0.5
0
-0.5
-1
-1.5
41.1
55.0
67.0
79.0
91.0
106.1
120.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

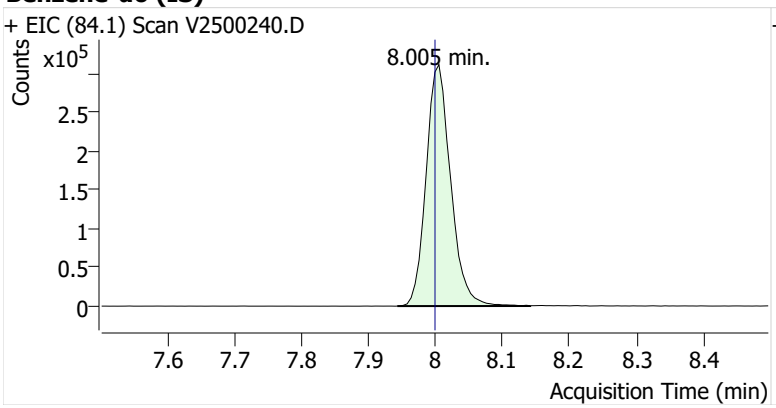
Name	IRVSEA-2-B-20241212
Comment	B16367
Data File	V2500240.D
Acq. Date-Time	1/13/2025 10:58:17 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

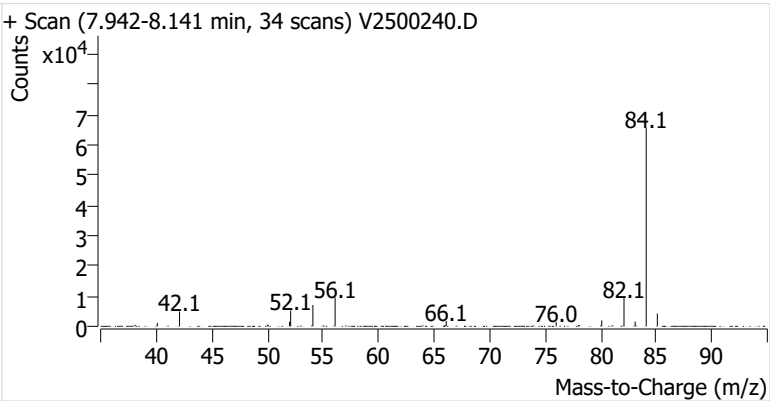
Sample Chromatogram



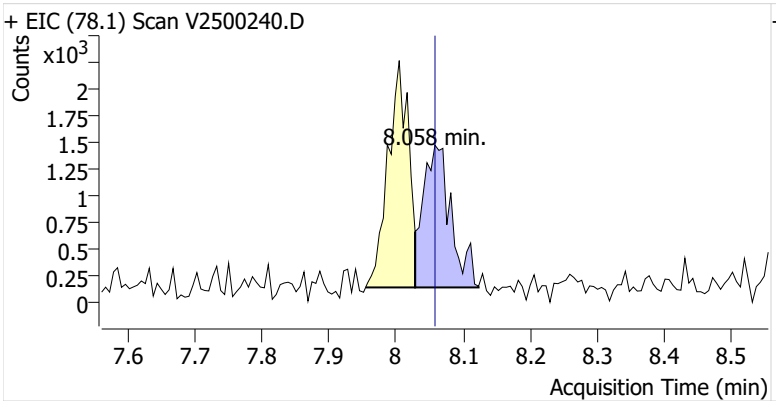
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.005	7.999	795,664	
Benzene	Benzene-d6 (IS)	8.058	8.058	3,894	
Toluene-d8 (IS)		10.628	10.628	852,172	
Toluene	Toluene-d8 (IS)	10.717	10.723	7,305	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	1,033	
m-/p-Xylenes	Toluene-d8 (IS)	13.067	13.068	927	m
o-Xylene	Toluene-d8 (IS)	13.548	13.548	542	m

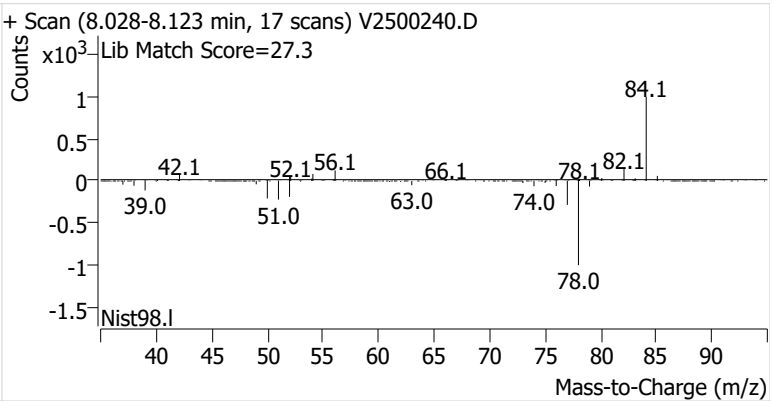
Benzene-d6 (IS)



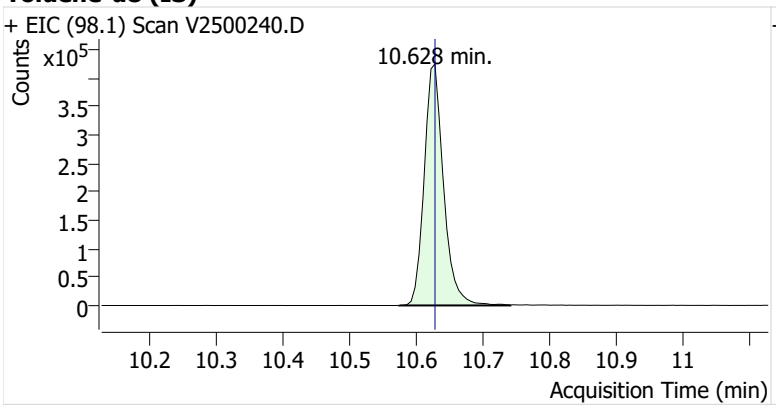


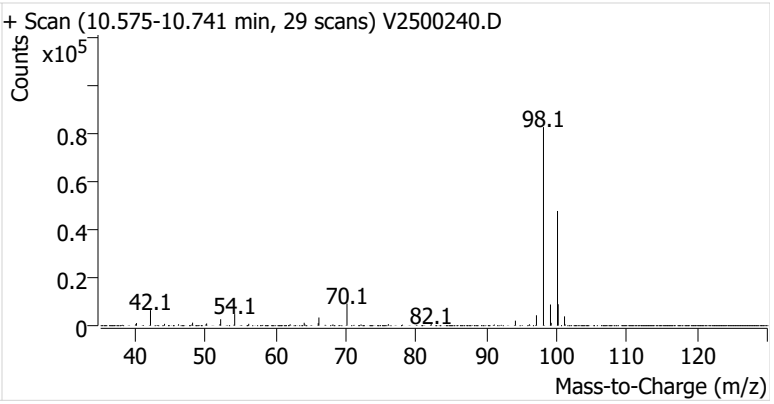
Benzene



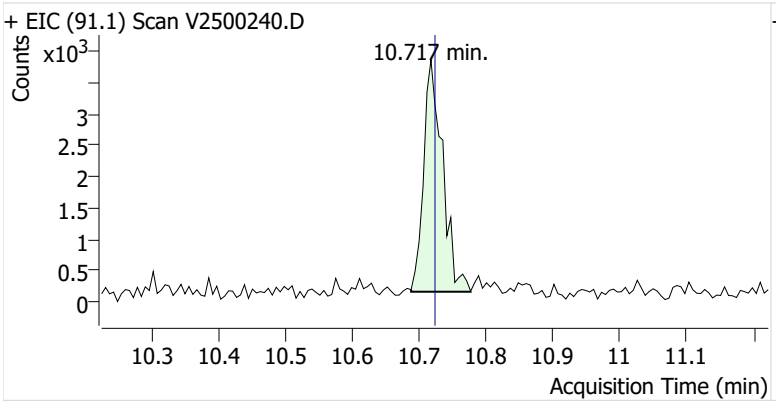


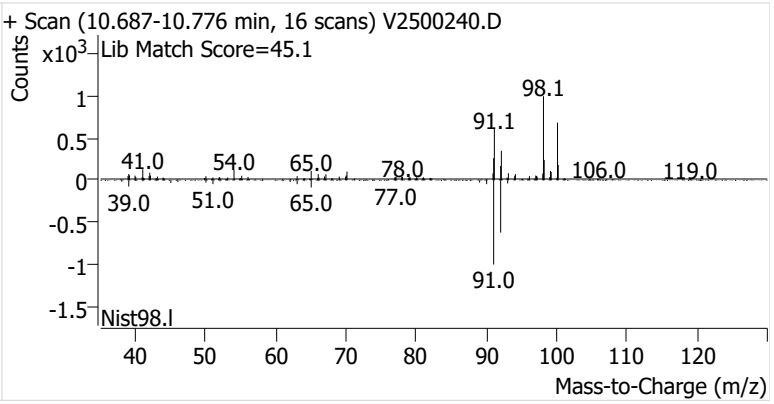
Toluene-d8 (IS)



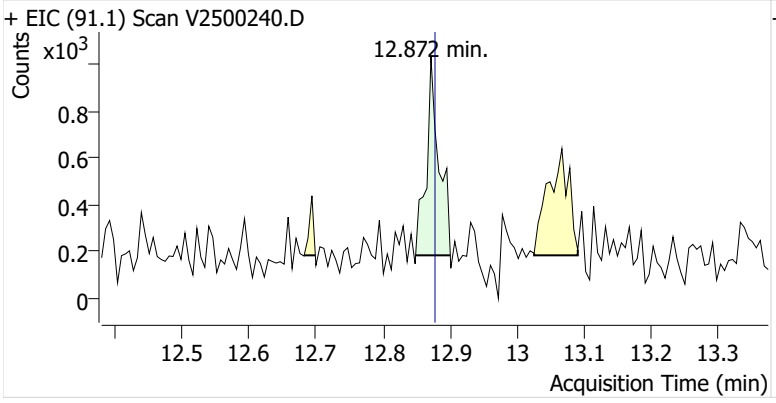


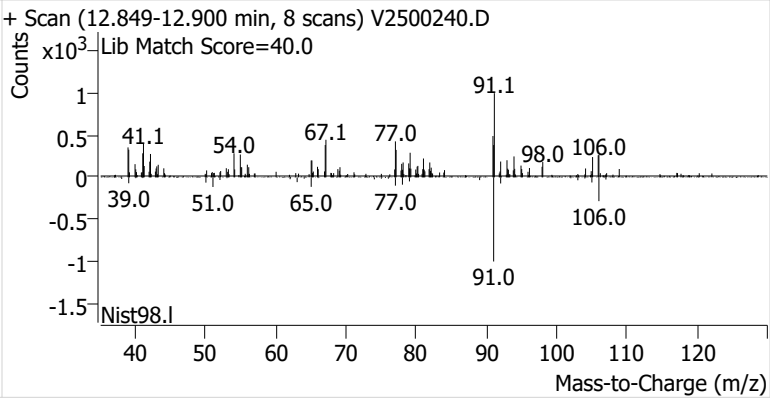
Toluene



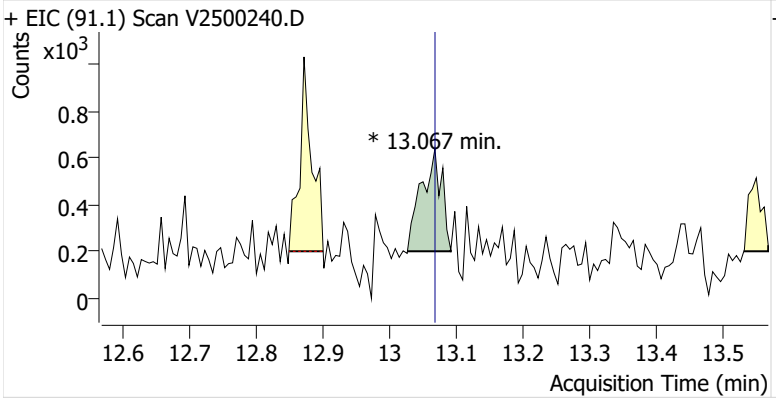


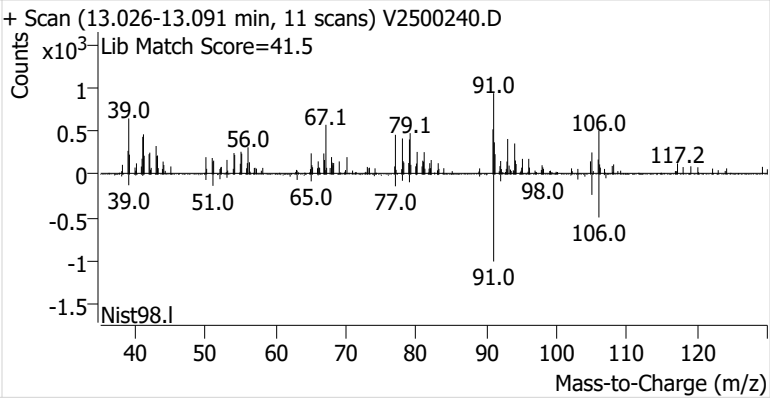
Ethylbenzene



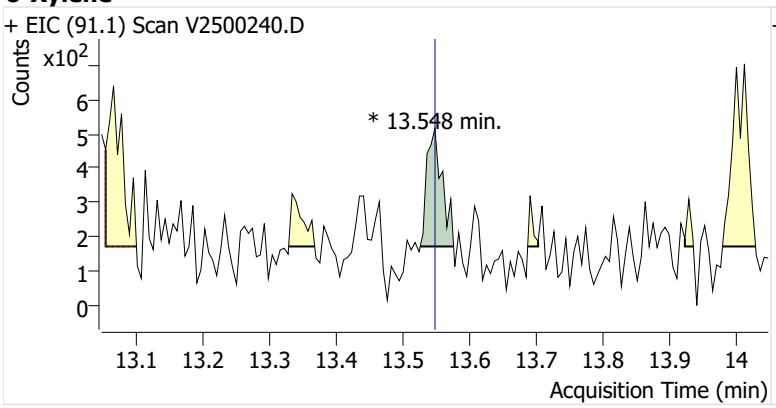


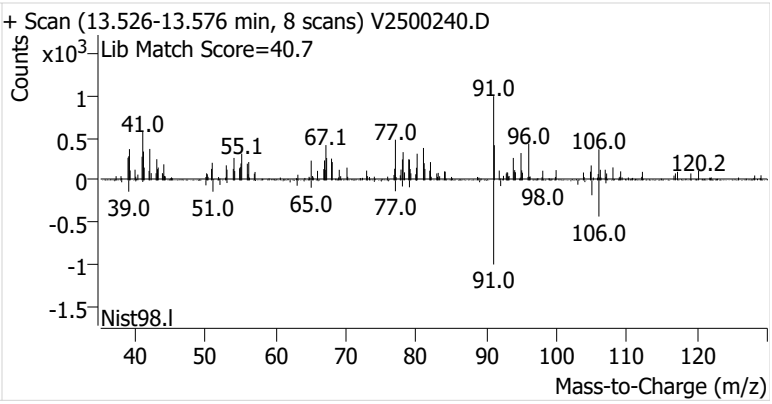
m-/p-Xylenes





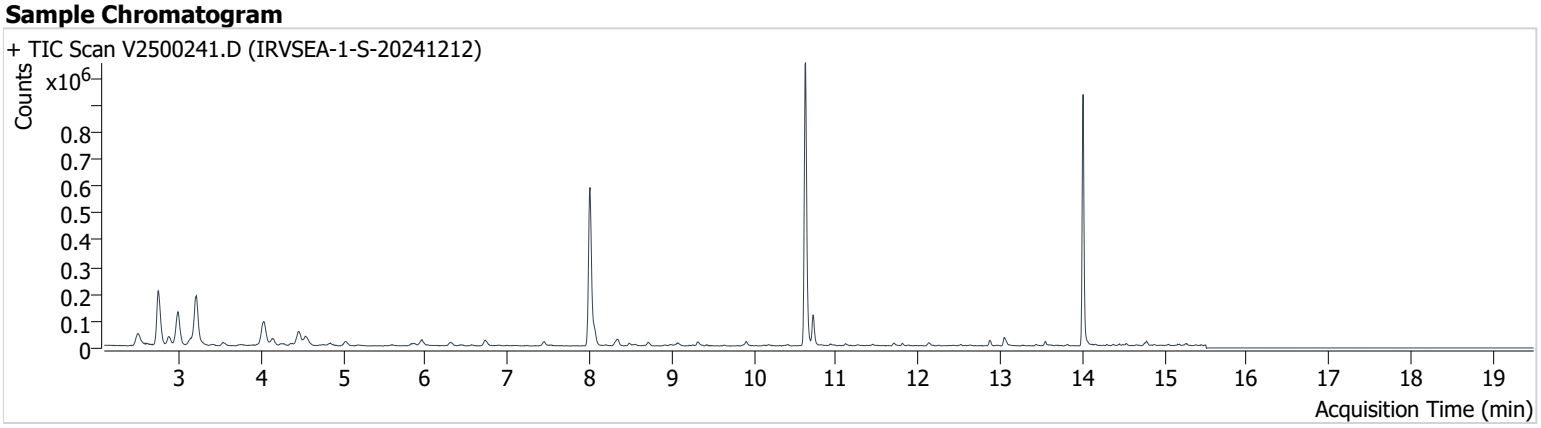
o-Xylene


+ EIC (91.1) Scan V2500240.D
Counts
x10^2
* 13.548 min.
Acquisition Time (min)


+ Scan (13.526-13.576 min, 8 scans) V2500240.D
Lib Match Score=40.7
Counts
x10^3
Nist98.l
Mass-to-Charge (m/z)

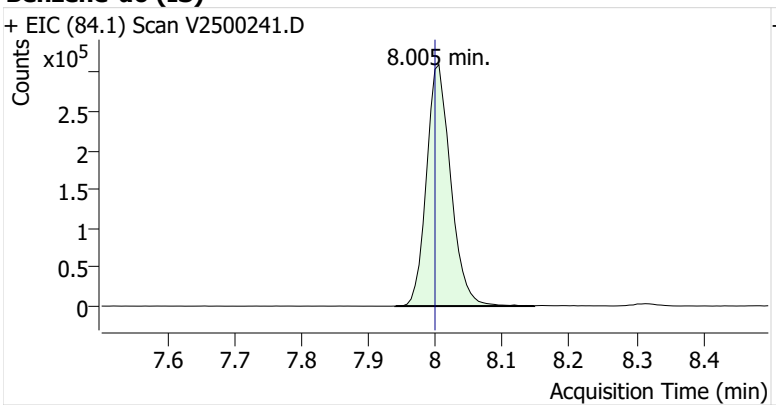
Name	IRVSEA-1-S-20241212
Comment	C16061
Data File	V2500241.D
Acq. Date-Time	1/13/2025 11:39:27 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

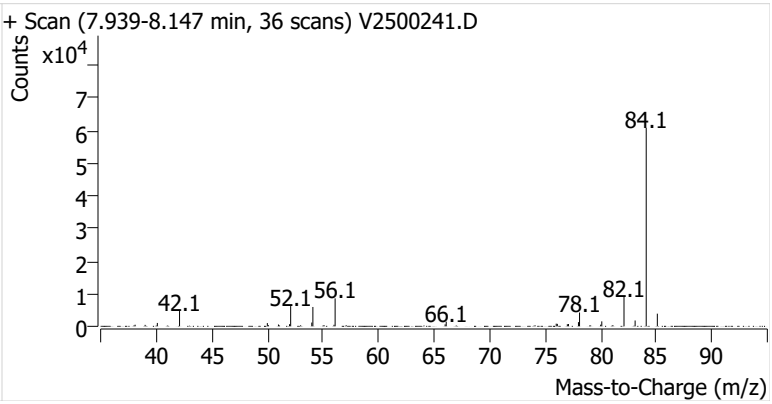
Sample Chromatogram



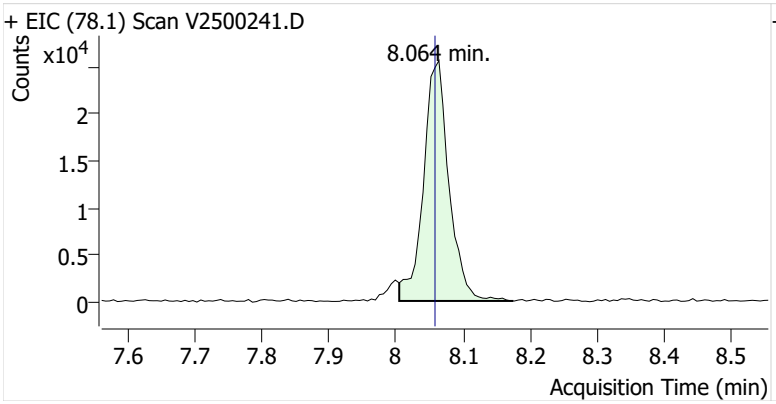
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.005	7.999	782,777	
Benzene	Benzene-d6 (IS)	8.064	8.058	67,725	
Toluene-d8 (IS)		10.622	10.628	854,187	
Toluene	Toluene-d8 (IS)	10.723	10.723	93,861	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	17,020	
m-/p-Xylenes	Toluene-d8 (IS)	13.050	13.068	28,020	
o-Xylene	Toluene-d8 (IS)	13.542	13.548	10,754	

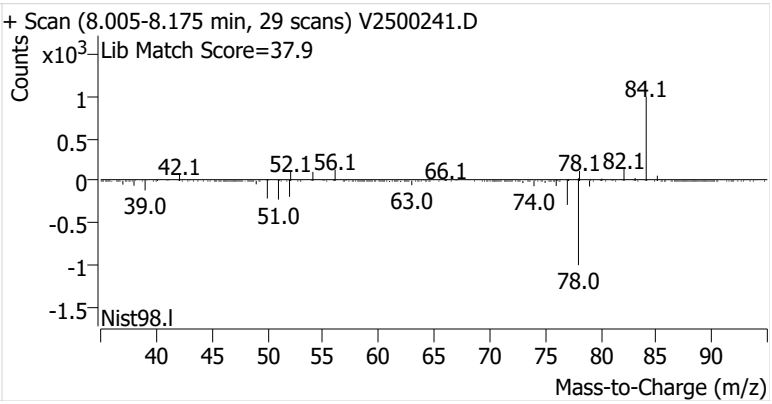
Benzene-d6 (IS)



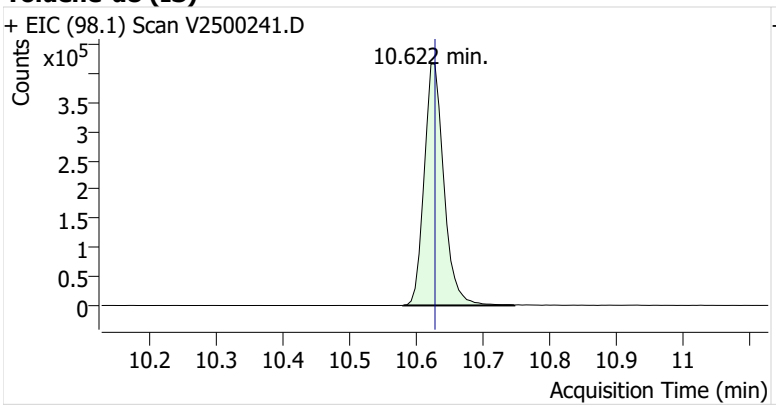


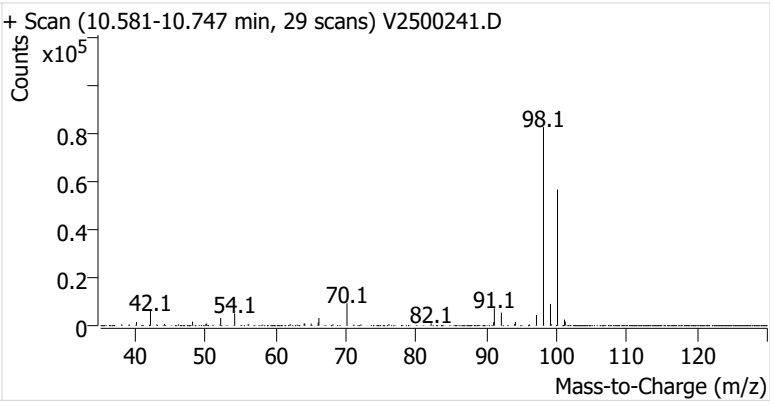
Benzene



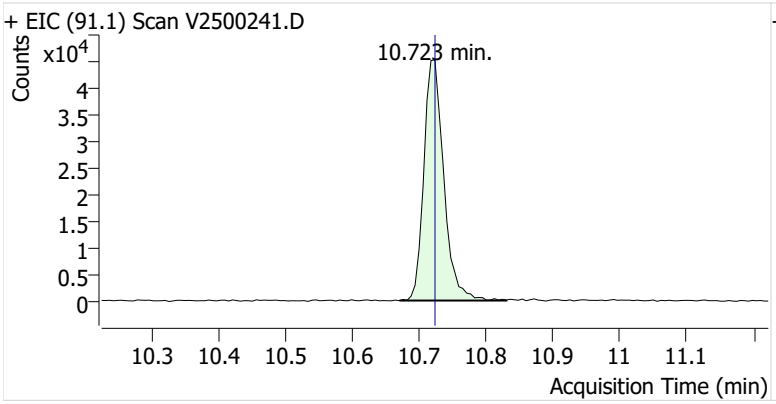


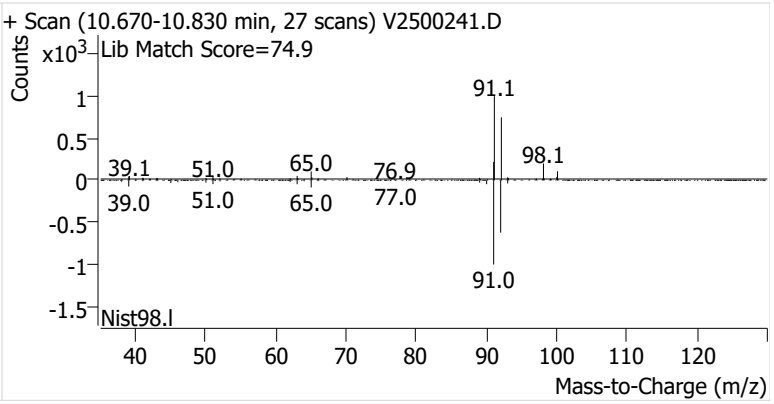
Toluene-d8 (IS)



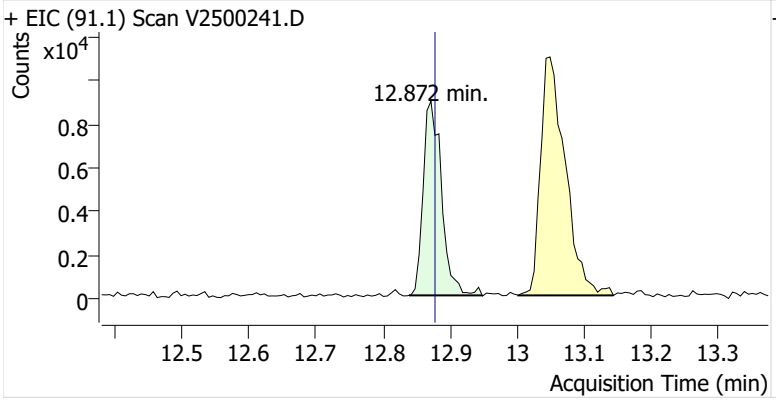


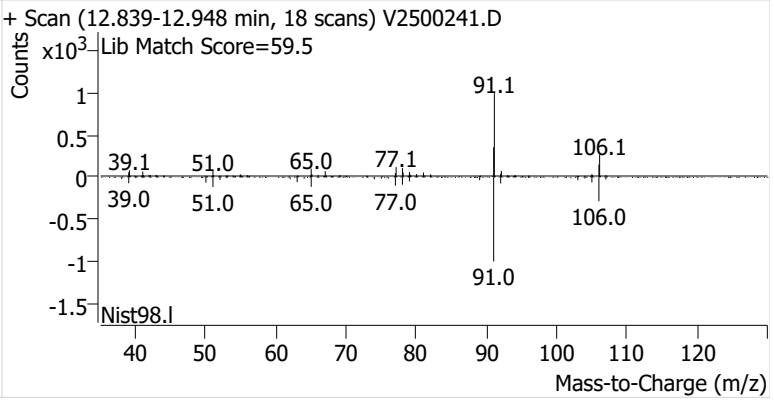
Toluene



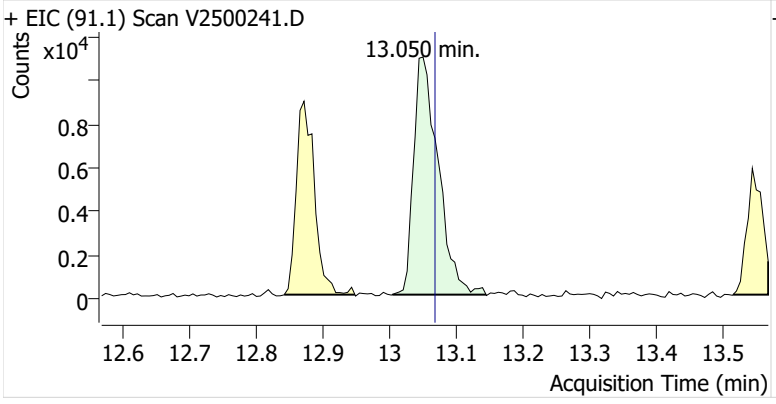


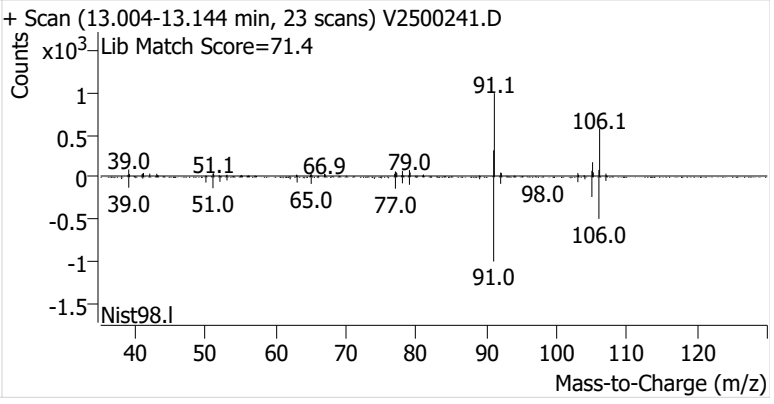
Ethylbenzene



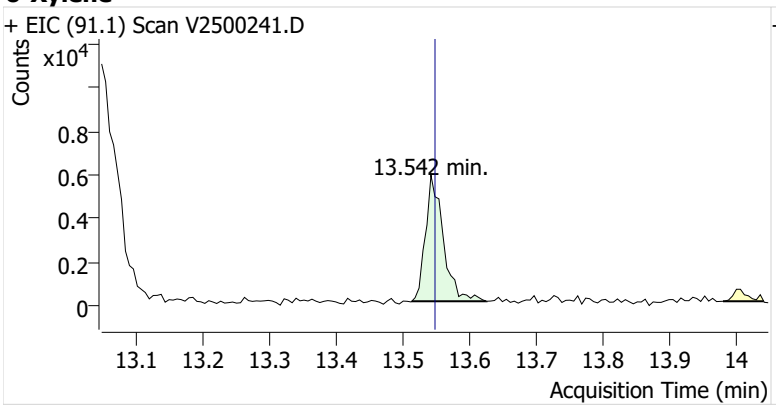


m-/p-Xylenes





o-Xylene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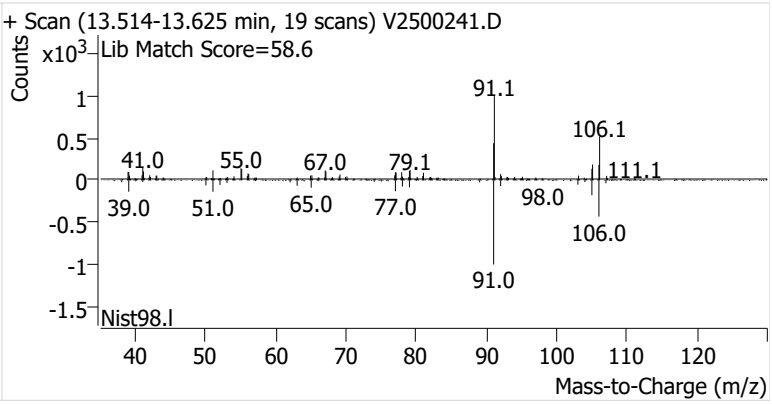
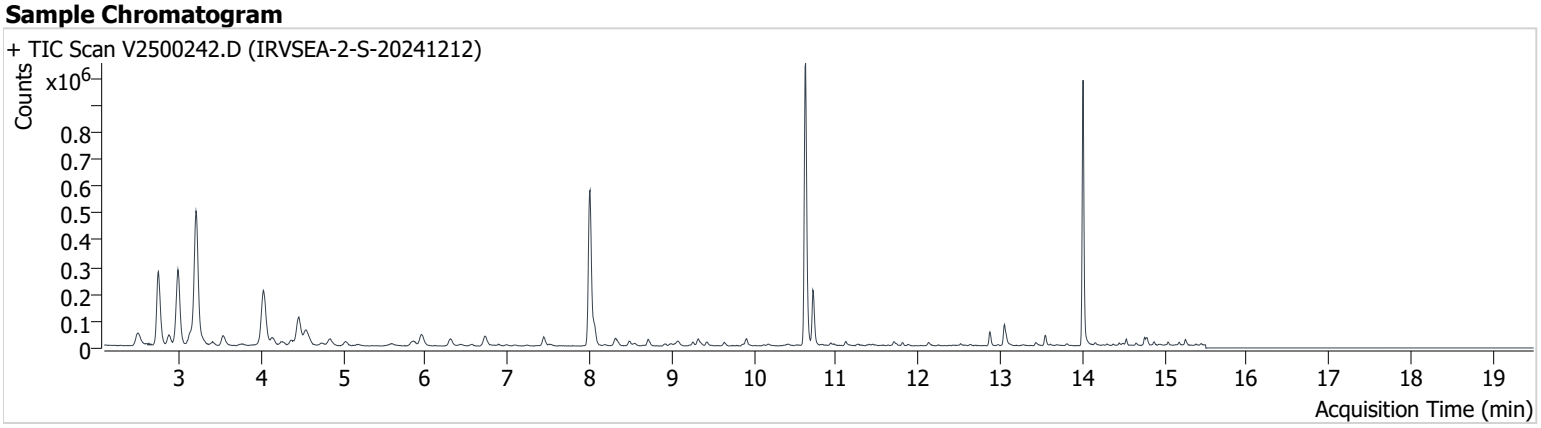
Counts
x10^4
0.8
0.6
0.4
0.2
0
13.542 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.514-13.625 min, 19 scans) V2500241.D
Counts
x10^3
Lib Match Score=58.6
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.0
55.0
67.0
79.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

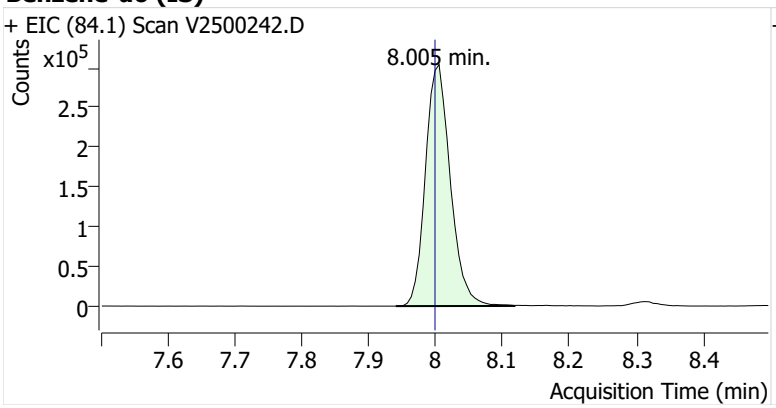
Name	IRVSEA-2-S-20241212
Comment	B34954
Data File	V2500242.D
Acq. Date-Time	1/14/2025 12:21:13 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

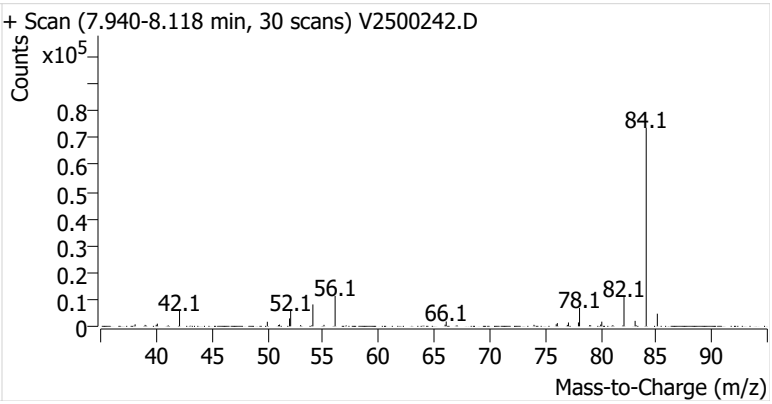
Sample Chromatogram



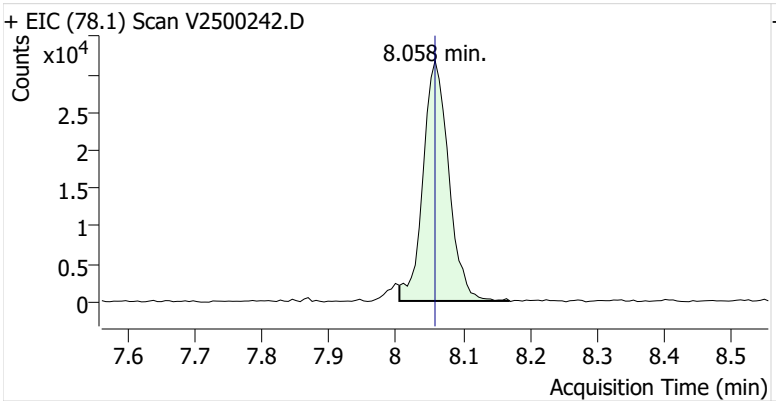
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.005	7.999	788,089	
Benzene	Benzene-d6 (IS)	8.058	8.058	84,564	
Toluene-d8 (IS)		10.628	10.628	860,444	
Toluene	Toluene-d8 (IS)	10.717	10.723	174,930	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	40,585	
m-/p-Xylenes	Toluene-d8 (IS)	13.050	13.068	69,889	
o-Xylene	Toluene-d8 (IS)	13.548	13.548	25,885	

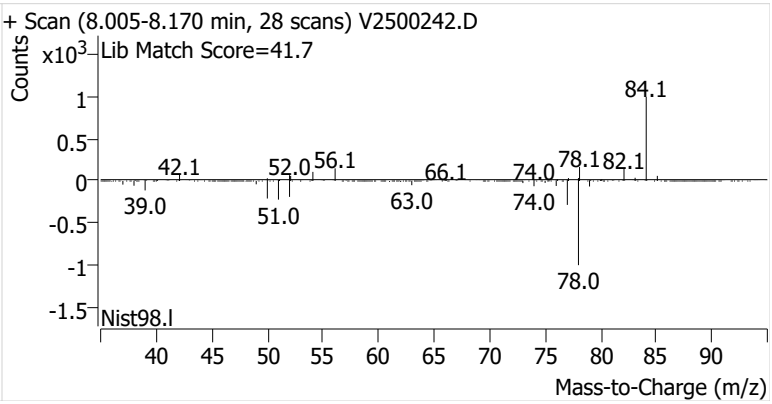
Benzene-d6 (IS)



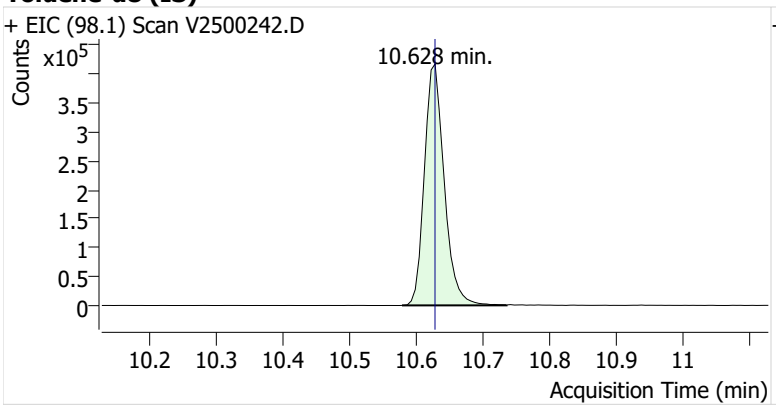


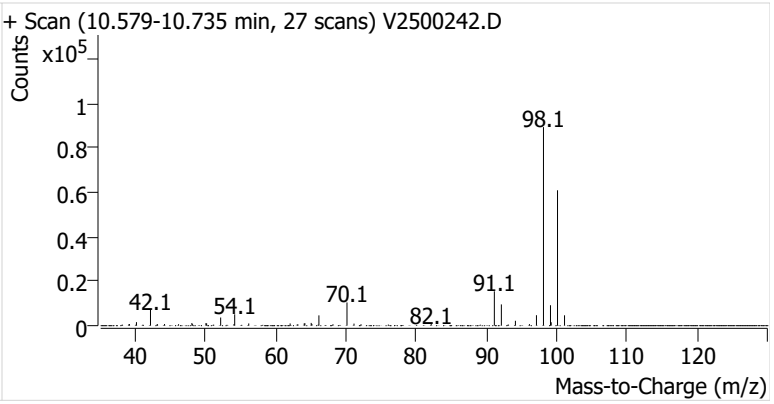
Benzene



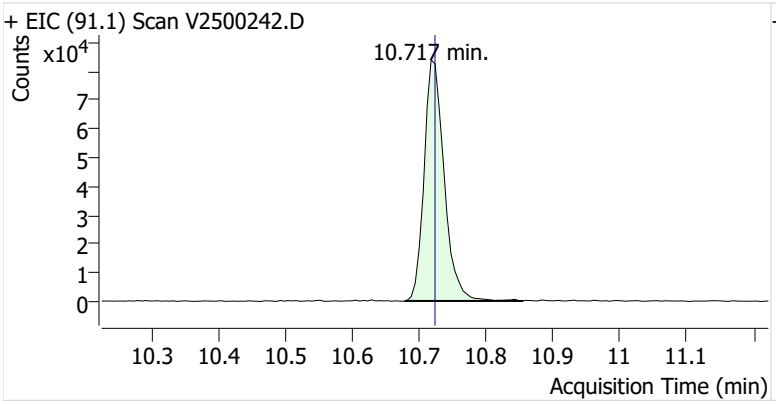


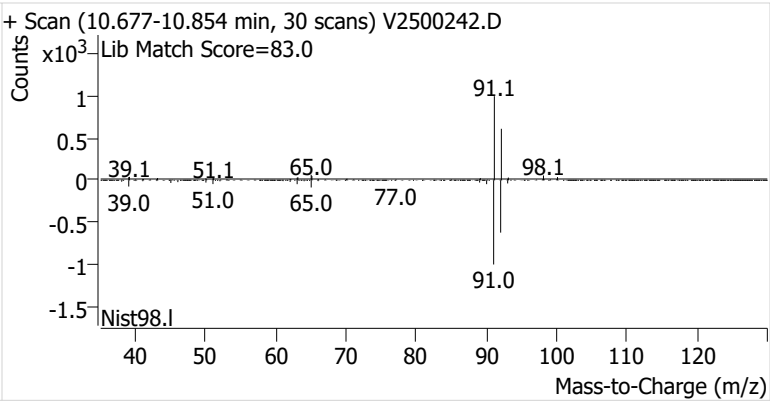
Toluene-d8 (IS)



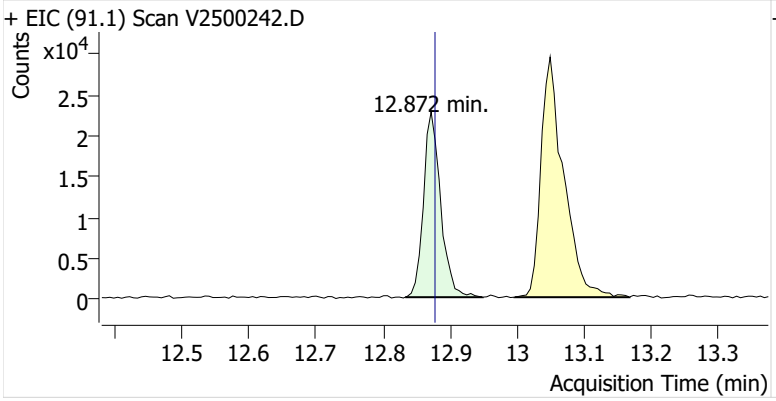


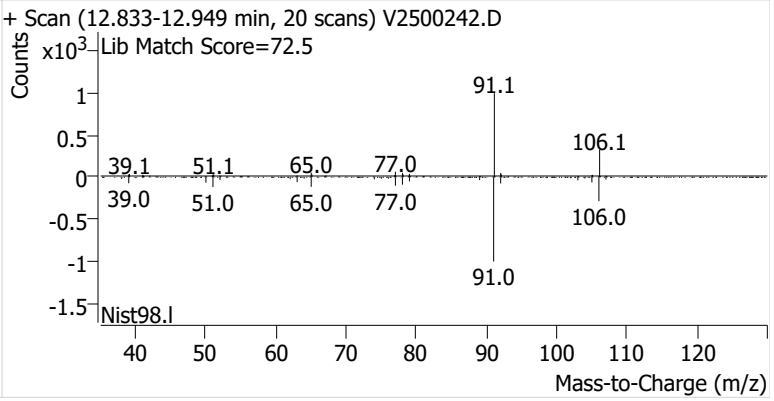
Toluene



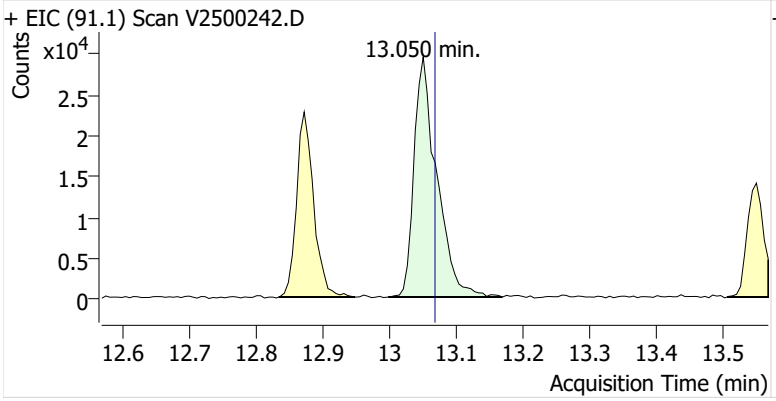


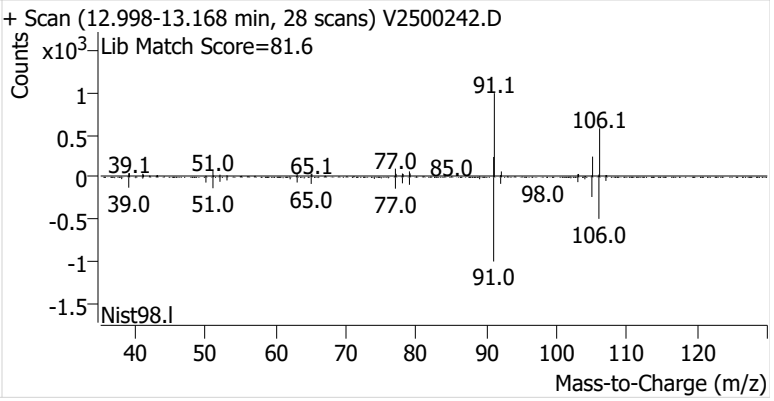
Ethylbenzene



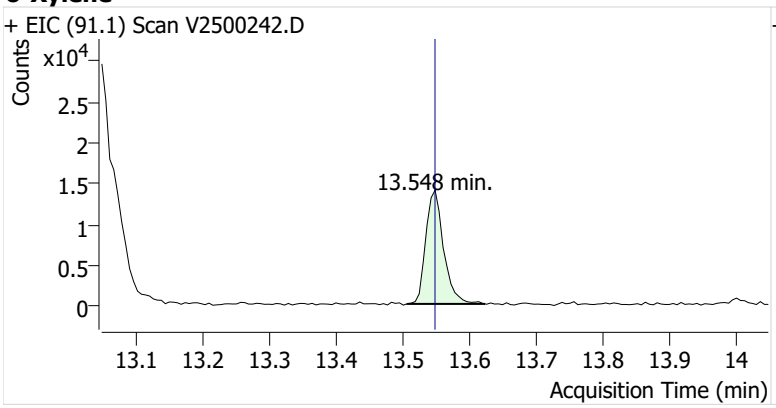


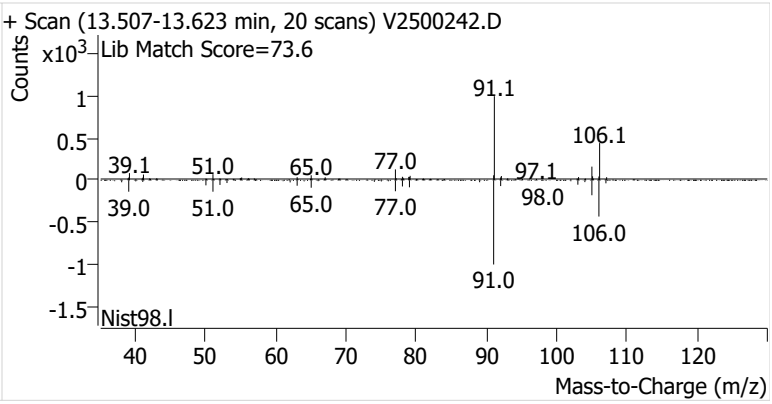
m-/p-Xylenes





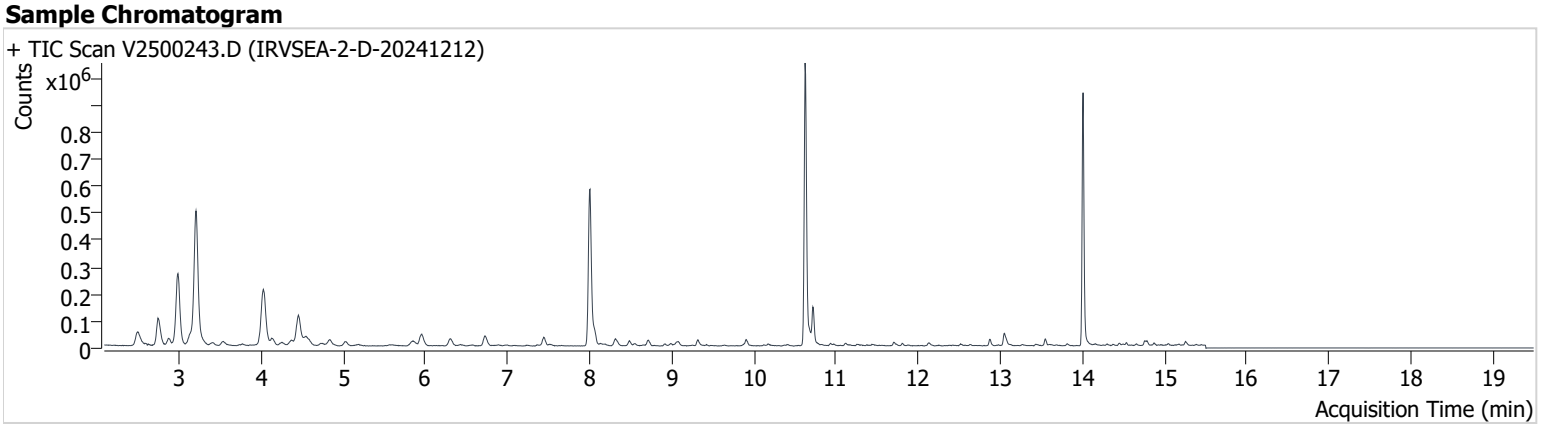
o-Xylene


+ EIC (91.1) Scan V2500242.D
Counts
x10^4
2.5
2
1.5
1
0.5
0
13.548 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.507-13.623 min, 20 scans) V2500242.D
Lib Match Score=73.6
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.0
65.0
77.0
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

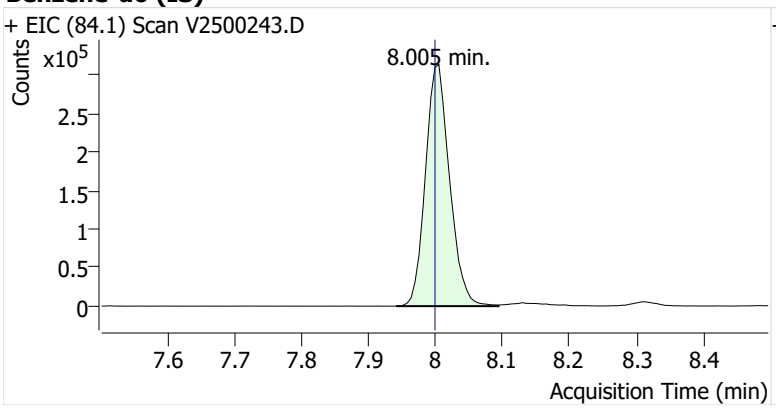
Name	IRVSEA-2-D-20241212
Comment	C24248
Data File	V2500243.D
Acq. Date-Time	1/14/2025 1:02:25 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

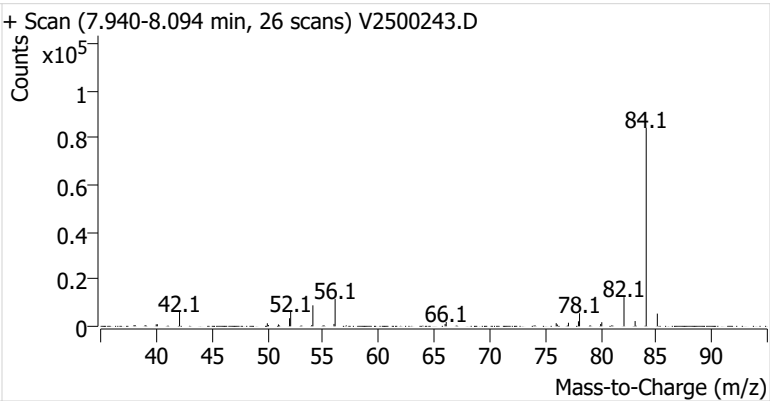
Sample Chromatogram



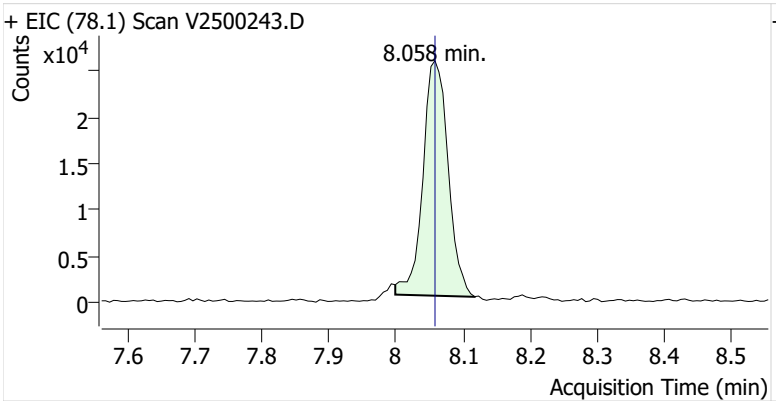
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.005	7.999	784,363	
Benzene	Benzene-d6 (IS)	8.058	8.058	66,741	
Toluene-d8 (IS)		10.622	10.628	857,113	
Toluene	Toluene-d8 (IS)	10.717	10.723	117,834	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	19,543	
m-/p-Xylenes	Toluene-d8 (IS)	13.050	13.068	42,454	
o-Xylene	Toluene-d8 (IS)	13.548	13.548	16,848	

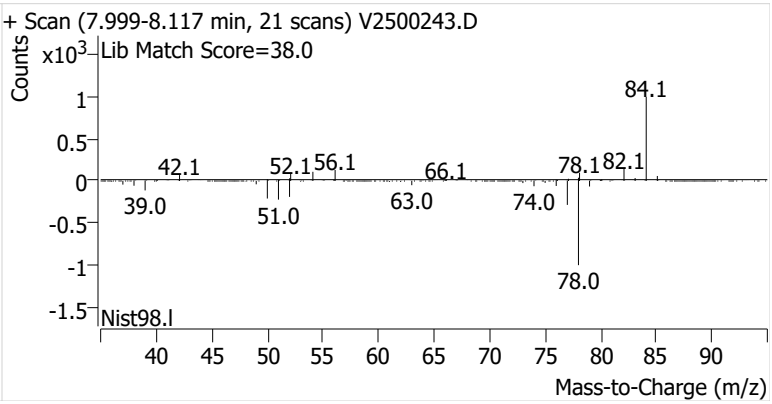
Benzene-d6 (IS)



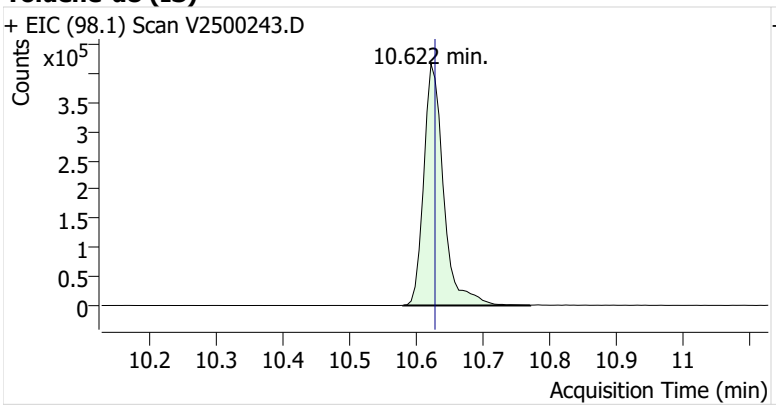


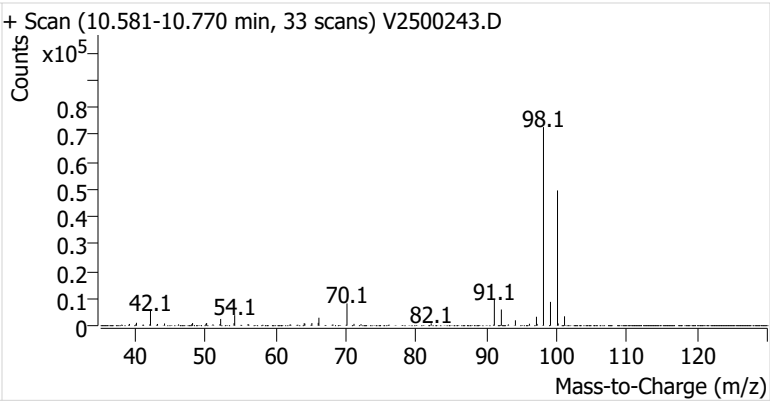
Benzene



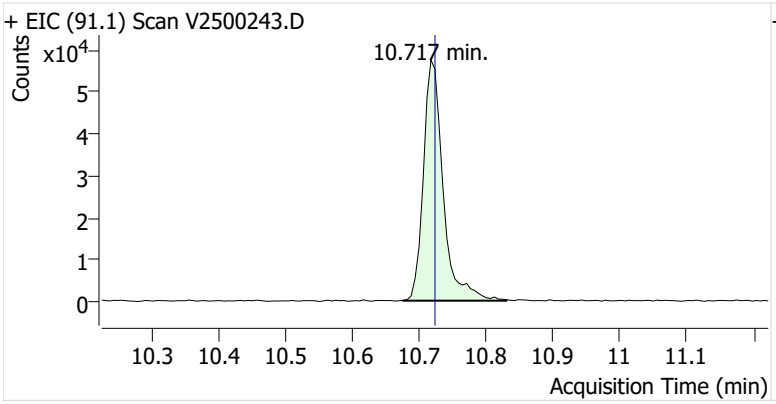


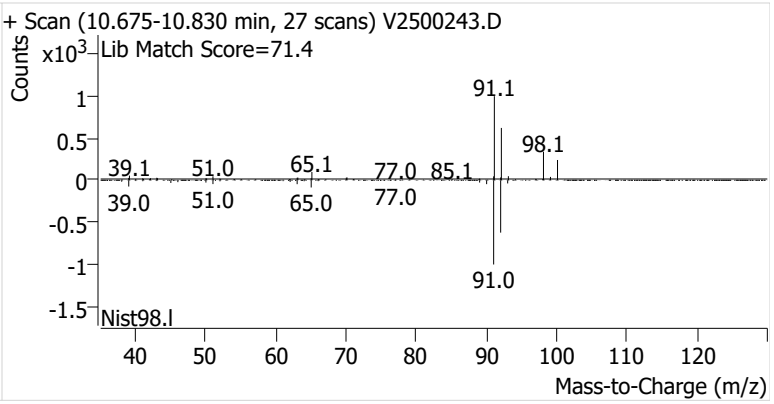
Toluene-d8 (IS)



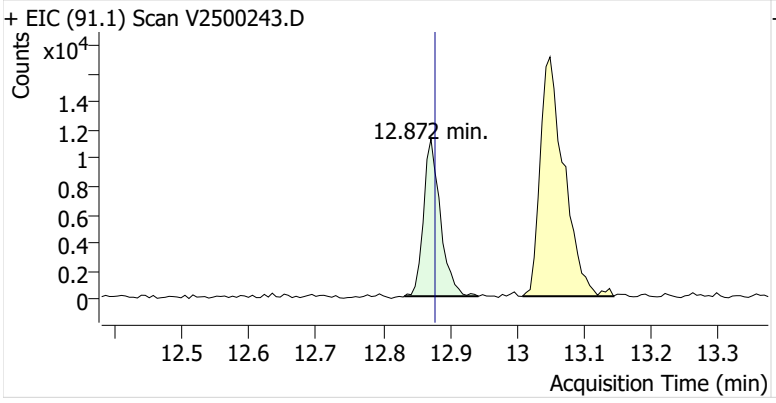


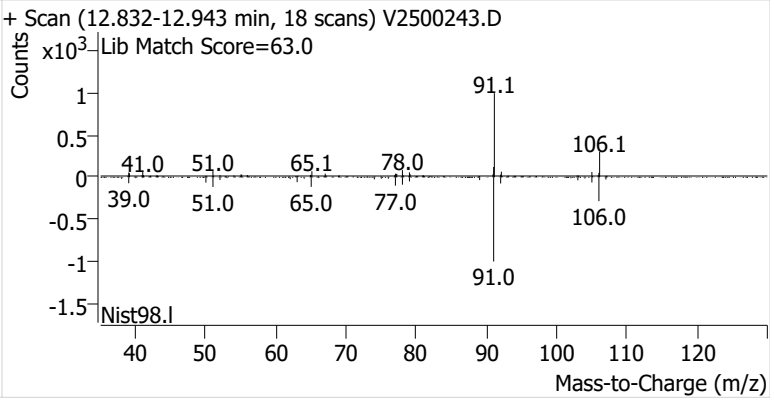
Toluene



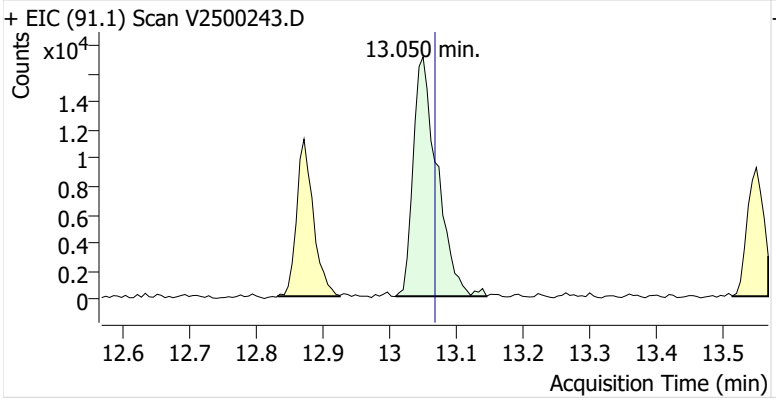


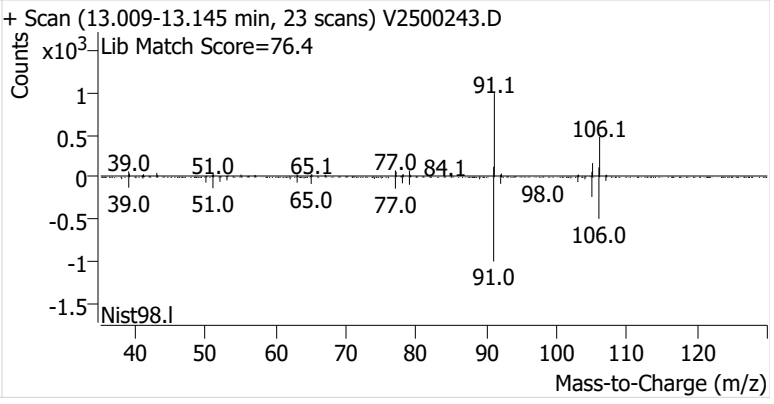
Ethylbenzene



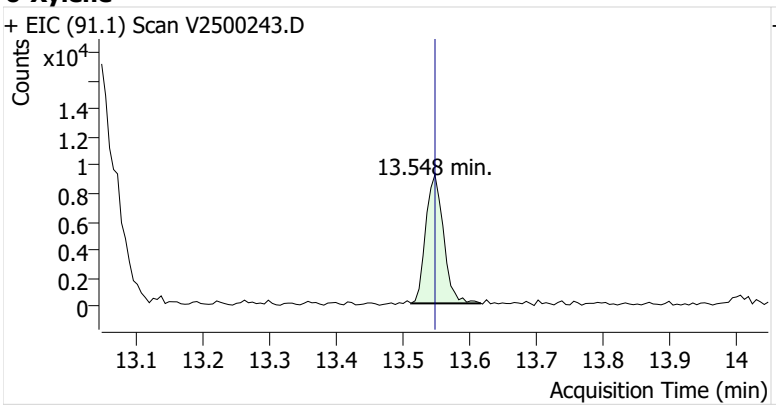


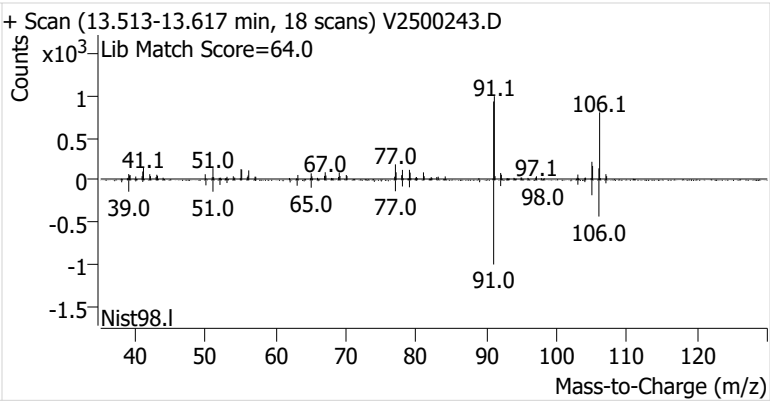
m-/p-Xylenes





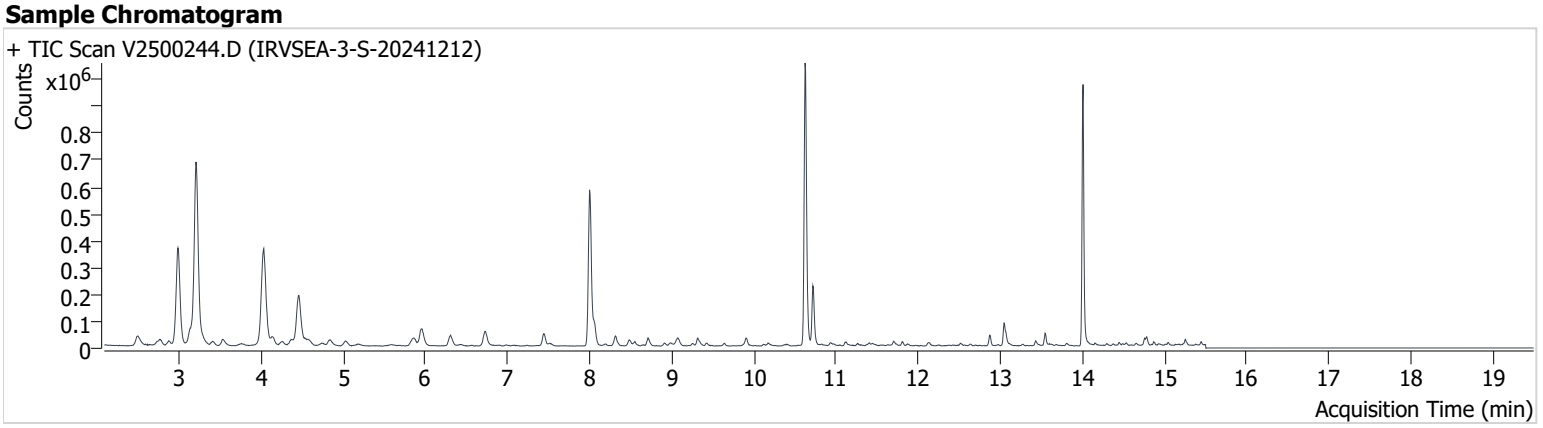
o-Xylene


+ EIC (91.1) Scan V2500243.D
Counts
x10^4
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13.548 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.513-13.617 min, 18 scans) V2500243.D
Lib Match Score=64.0
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
51.0
67.0
77.0
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

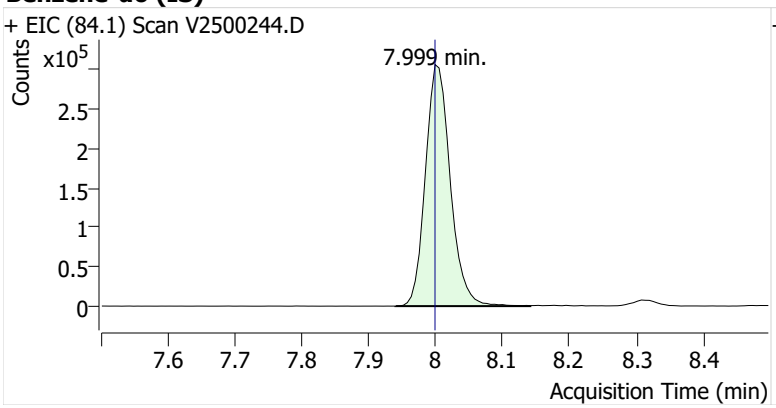
Name	IRVSEA-3-S-20241212
Comment	B47097
Data File	V2500244.D
Acq. Date-Time	1/14/2025 1:43:39 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

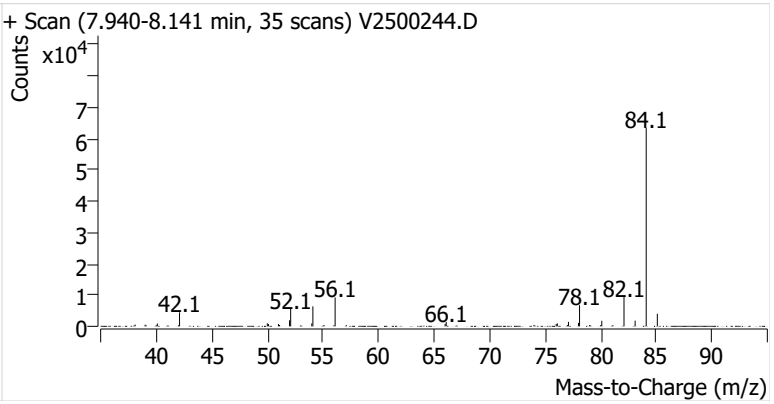
Sample Chromatogram



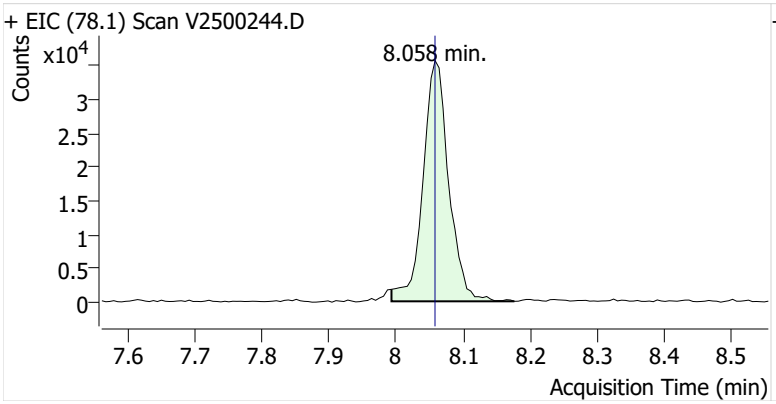
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.999	7.999	793,205	
Benzene	Benzene-d6 (IS)	8.058	8.058	95,746	
Toluene-d8 (IS)		10.622	10.628	857,869	
Toluene	Toluene-d8 (IS)	10.717	10.723	183,846	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	31,380	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	72,343	
o-Xylene	Toluene-d8 (IS)	13.543	13.548	29,855	

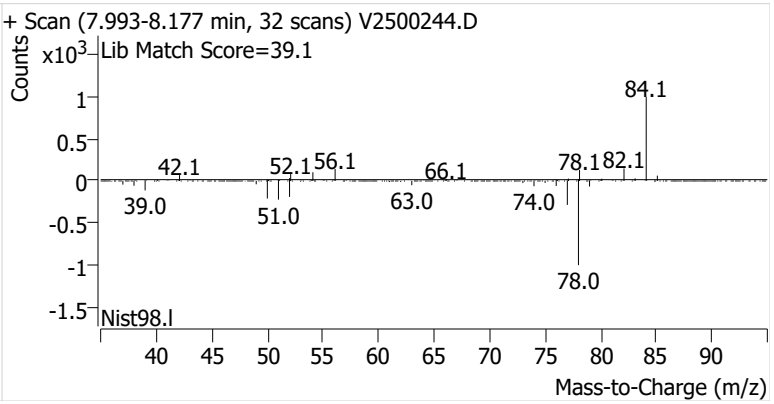
Benzene-d6 (IS)



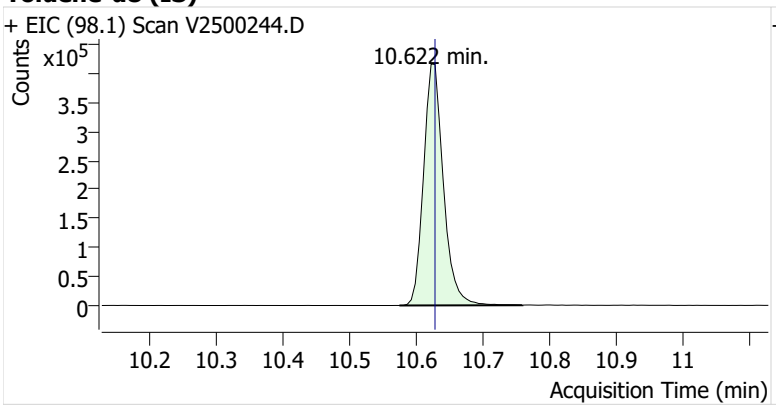


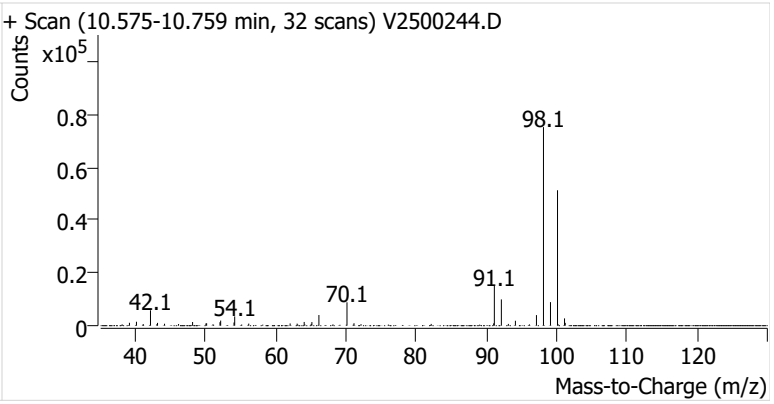
Benzene



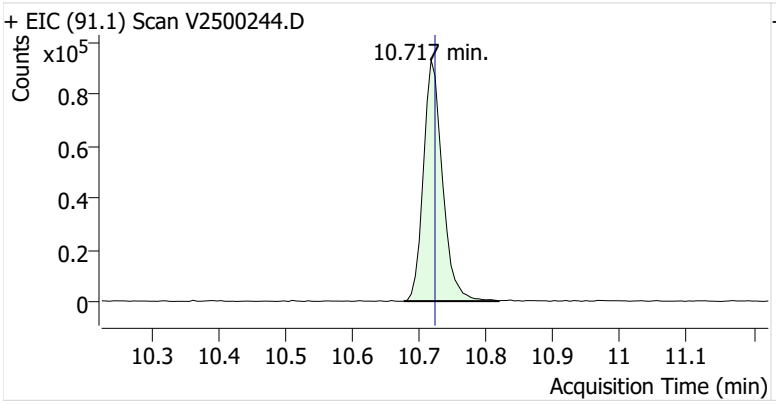


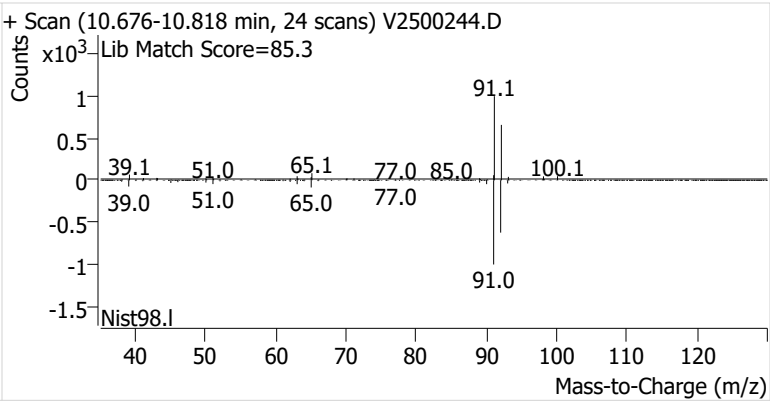
Toluene-d8 (IS)



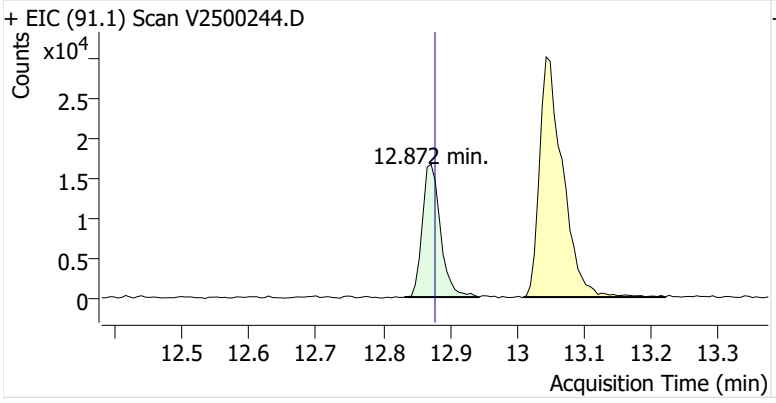


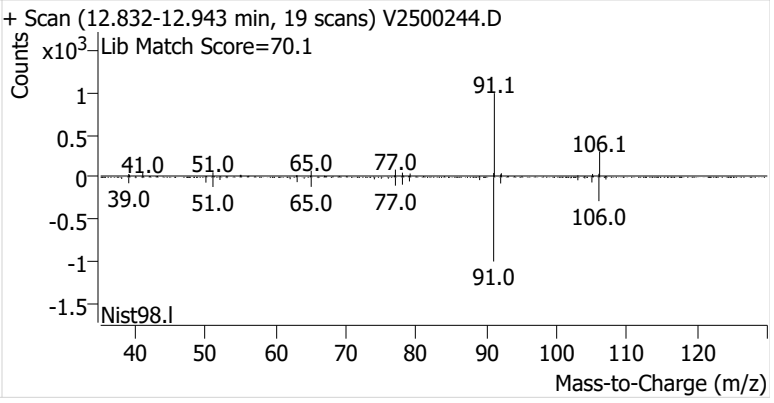
Toluene



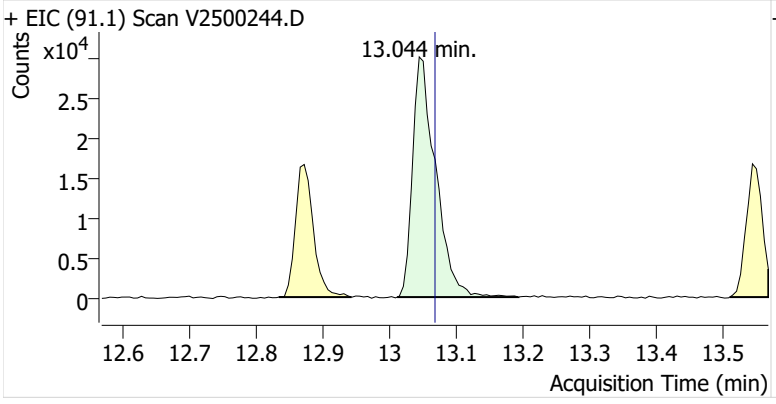


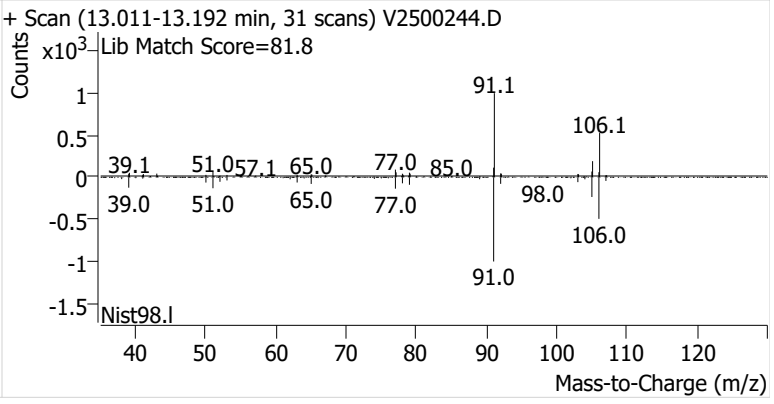
Ethylbenzene



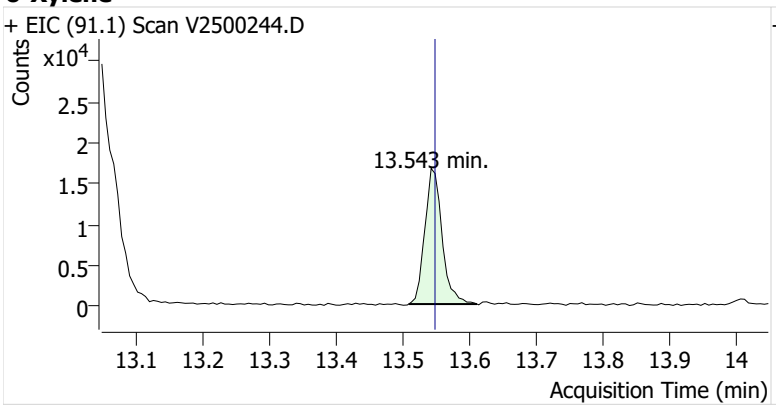


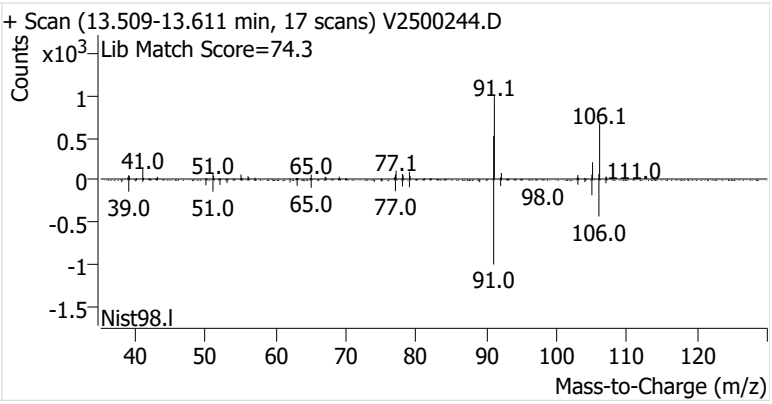
m-/p-Xylenes





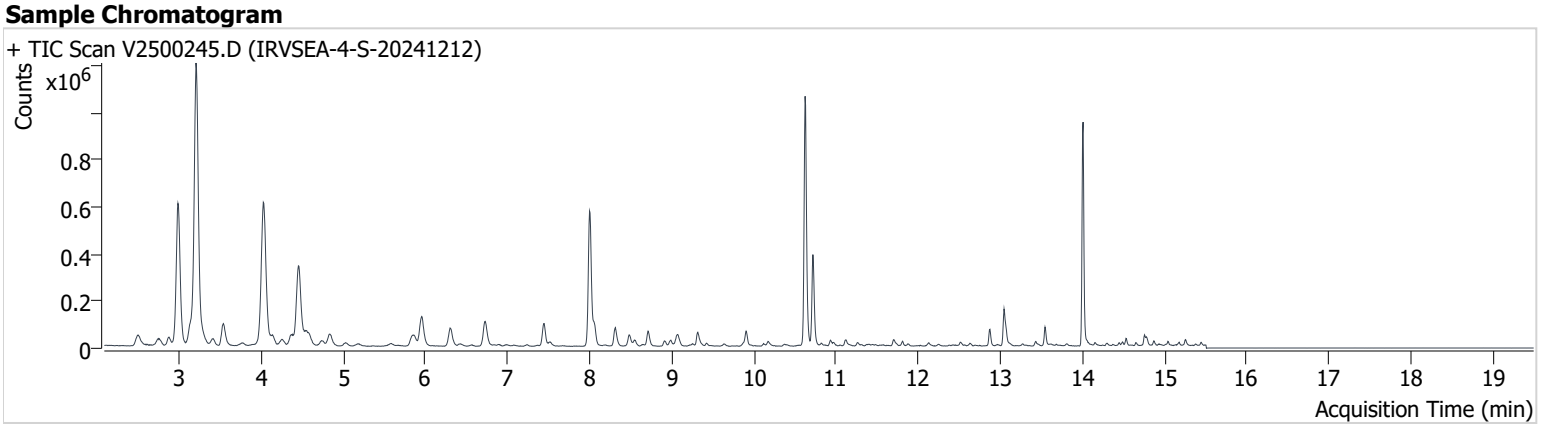
o-Xylene


+ EIC (91.1) Scan V2500244.D
Counts
x10^4
2.5
2
1.5
1
0.5
0
13.543 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.509-13.611 min, 17 scans) V2500244.D
Counts
x10^3
Lib Match Score=74.3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.0
51.0
65.0
77.1
111.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

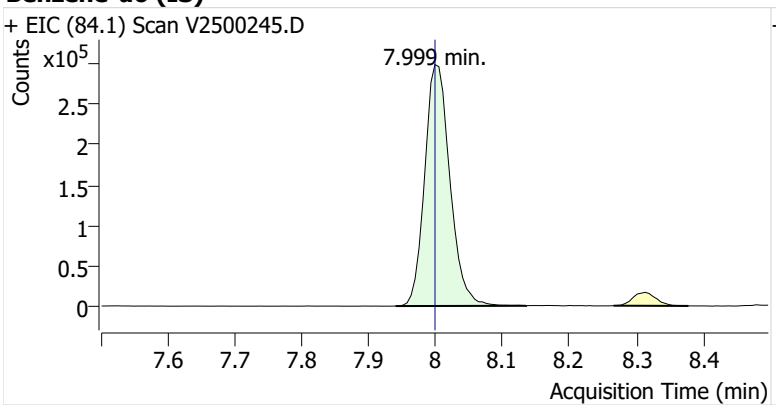
Name	IRVSEA-4-S-20241212
Comment	B35039
Data File	V2500245.D
Acq. Date-Time	1/14/2025 2:24:50 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

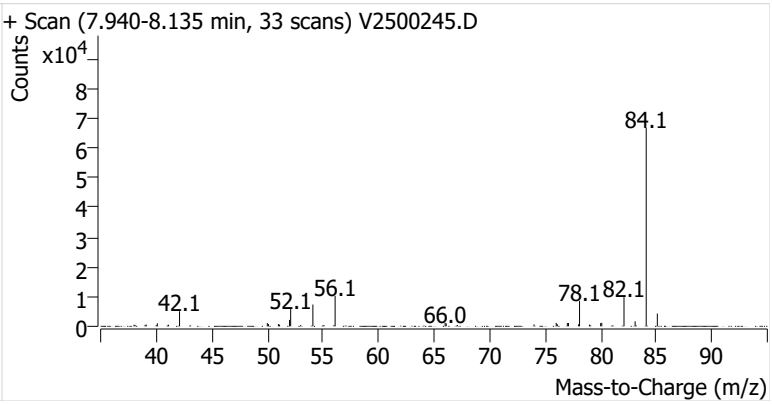
Sample Chromatogram



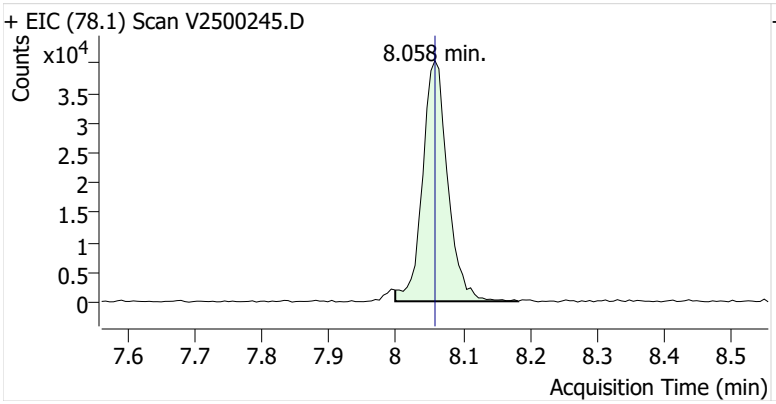
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.999	7.999	785,005	
Benzene	Benzene-d6 (IS)	8.058	8.058	105,567	
Toluene-d8 (IS)		10.622	10.628	846,376	
Toluene	Toluene-d8 (IS)	10.717	10.723	319,495	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	53,765	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	133,689	
o-Xylene	Toluene-d8 (IS)	13.542	13.548	51,523	

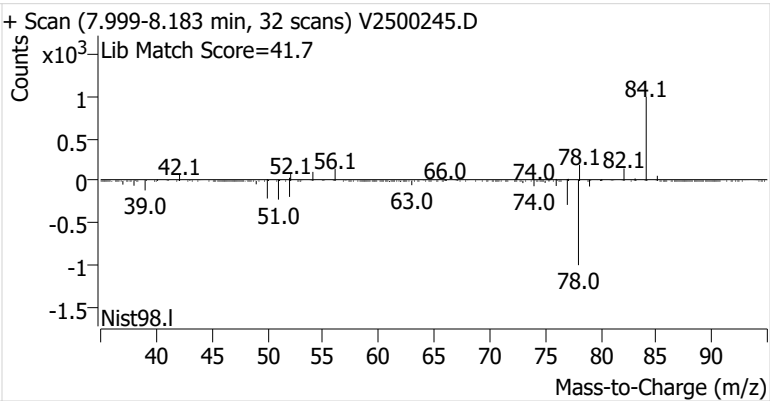
Benzene-d6 (IS)



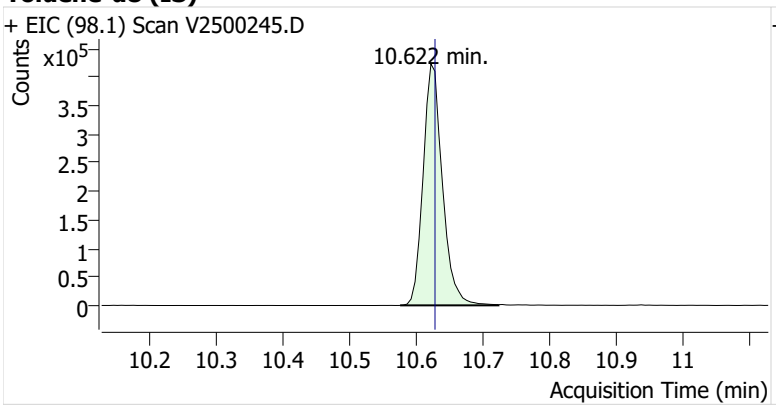


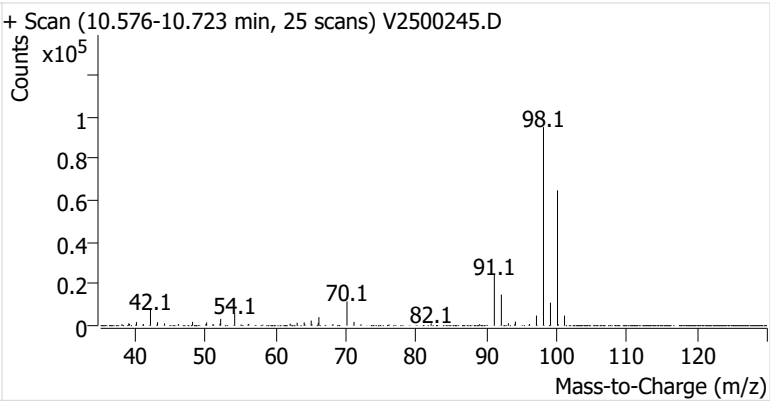
Benzene



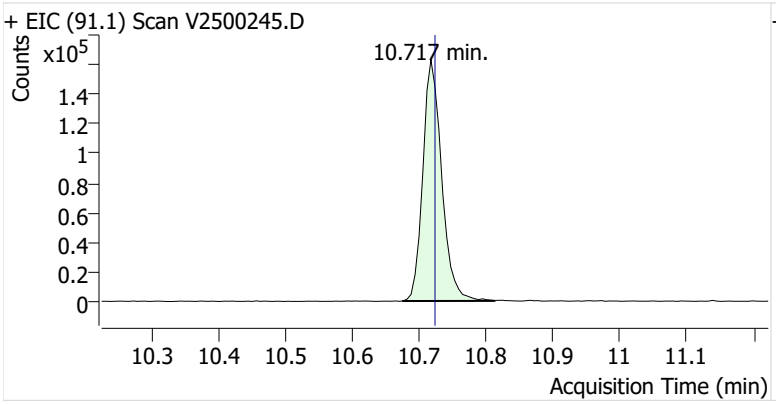


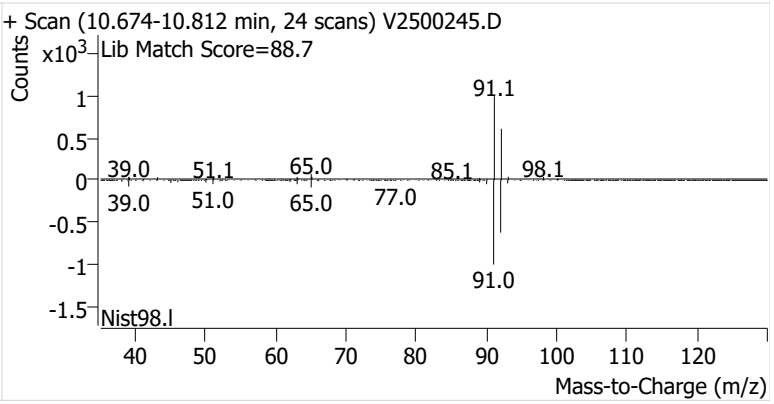
Toluene-d8 (IS)



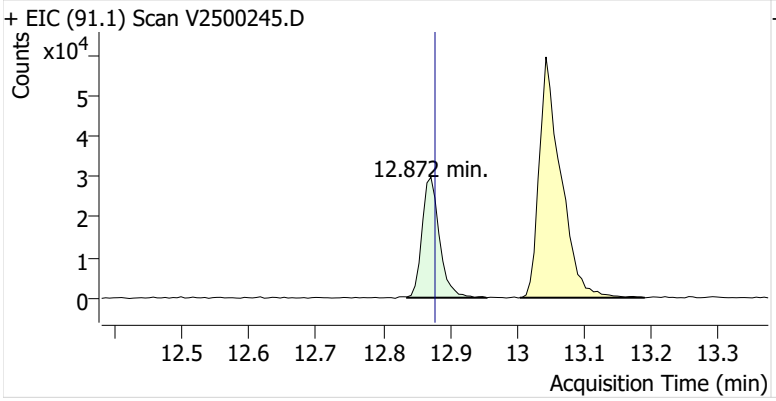


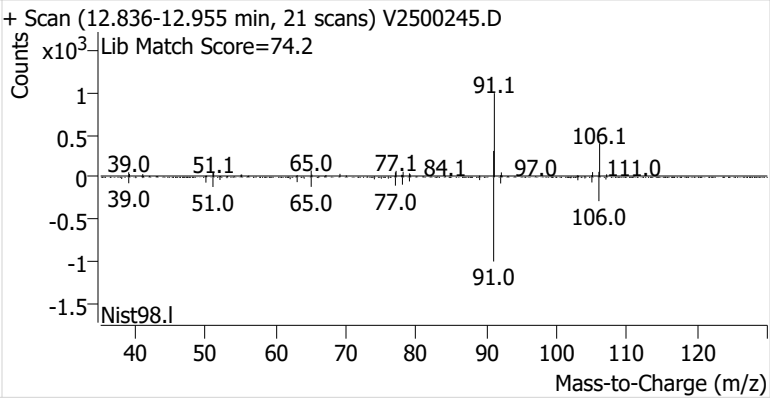
Toluene



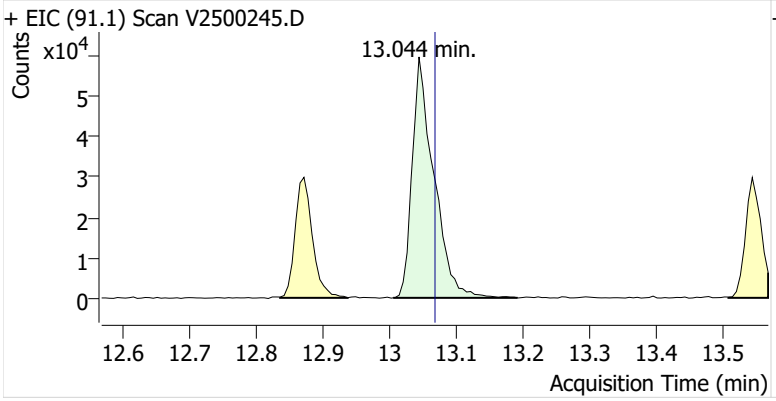


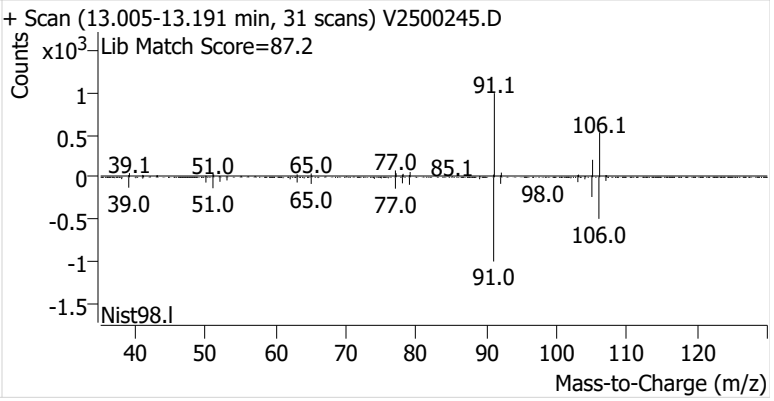
Ethylbenzene



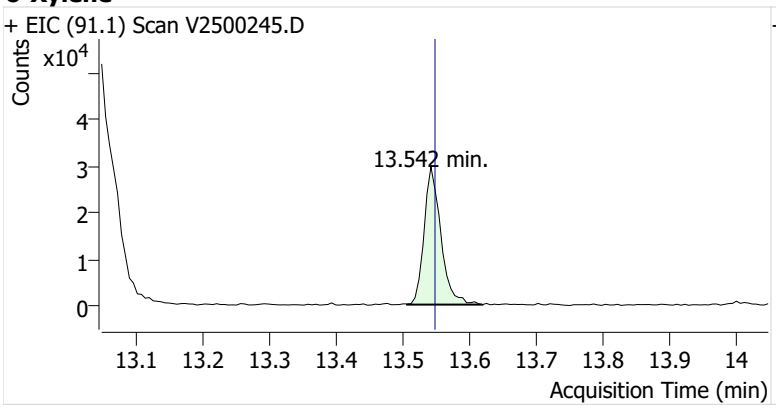


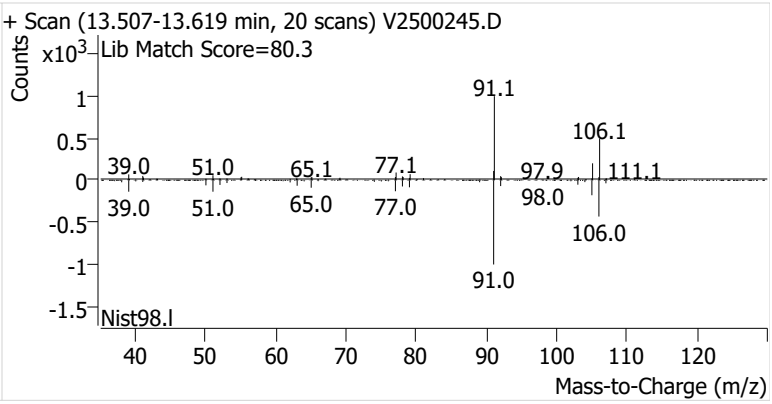
m-/p-Xylenes





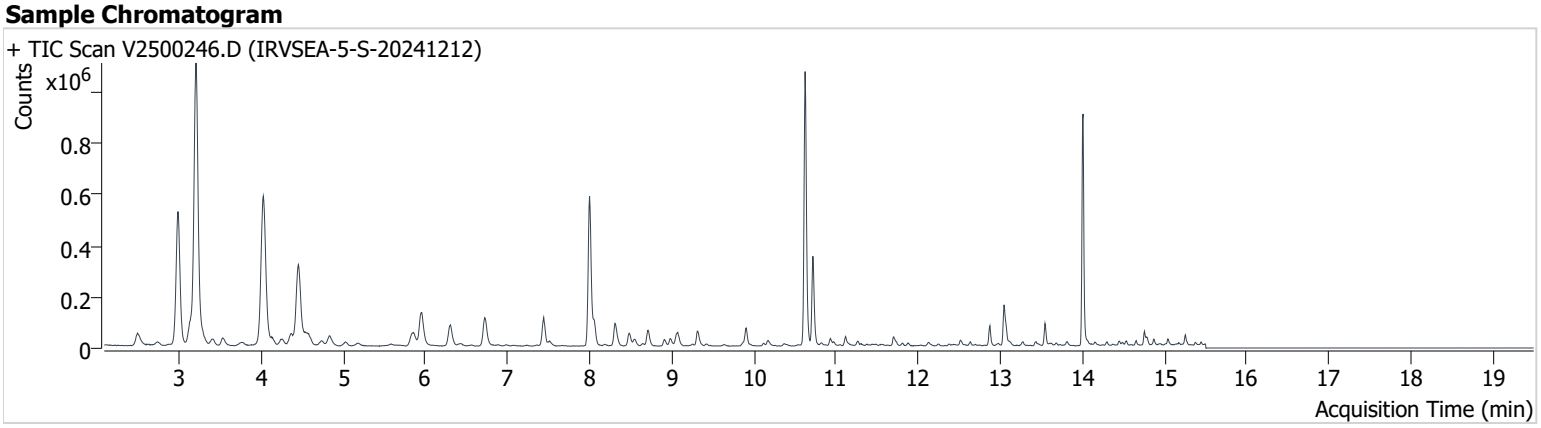
o-Xylene


+ EIC (91.1) Scan V2500245.D
Counts
x10^4
13.542 min.
Acquisition Time (min)


+ Scan (13.507-13.619 min, 20 scans) V2500245.D
Counts
x10^3
Lib Match Score=80.3
91.1
106.1
39.0
51.0
65.1
77.1
97.9
111.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

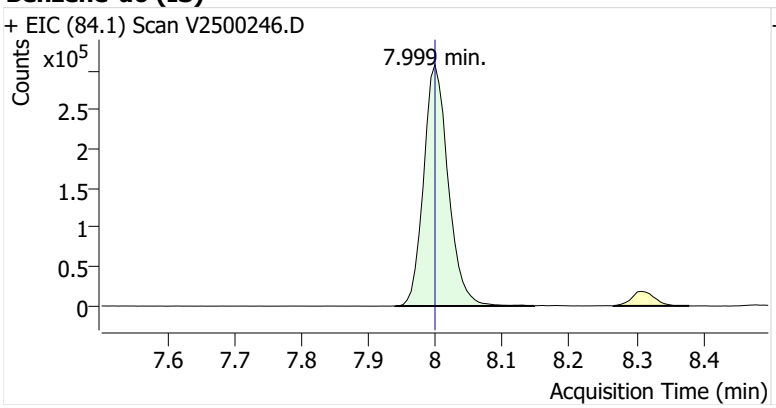
Name	IRVSEA-5-S-20241212
Comment	C13987
Data File	V2500246.D
Acq. Date-Time	1/14/2025 3:06:36 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

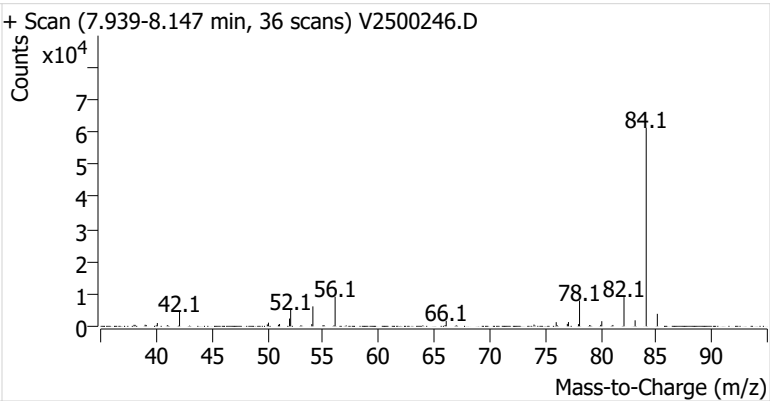
Sample Chromatogram



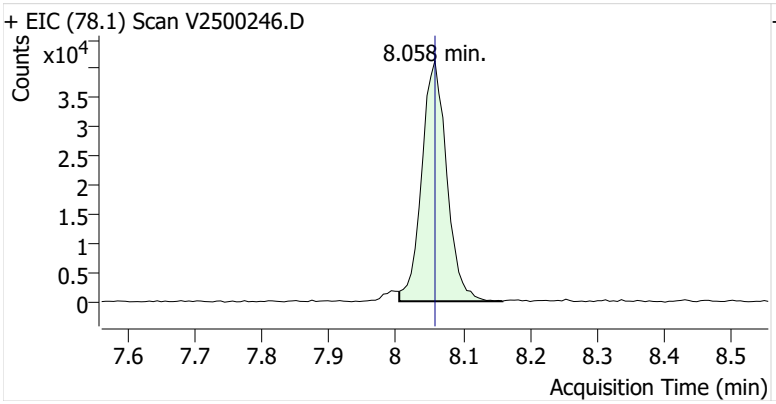
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.999	7.999	785,038	
Benzene	Benzene-d6 (IS)	8.058	8.058	107,338	
Toluene-d8 (IS)		10.622	10.628	852,992	
Toluene	Toluene-d8 (IS)	10.717	10.723	285,430	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	58,172	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	137,113	
o-Xylene	Toluene-d8 (IS)	13.542	13.548	53,987	

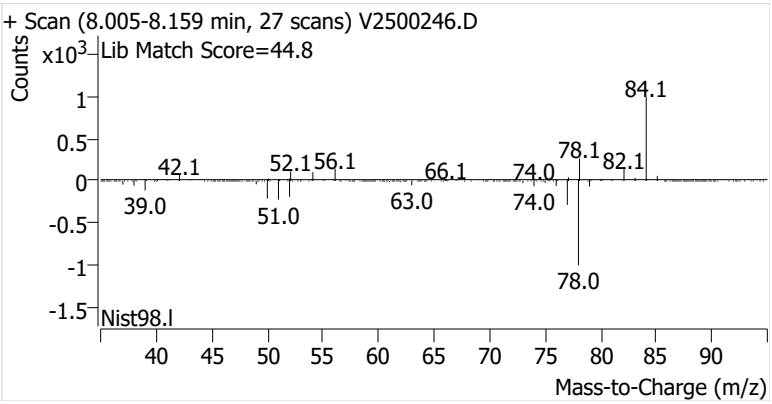
Benzene-d6 (IS)



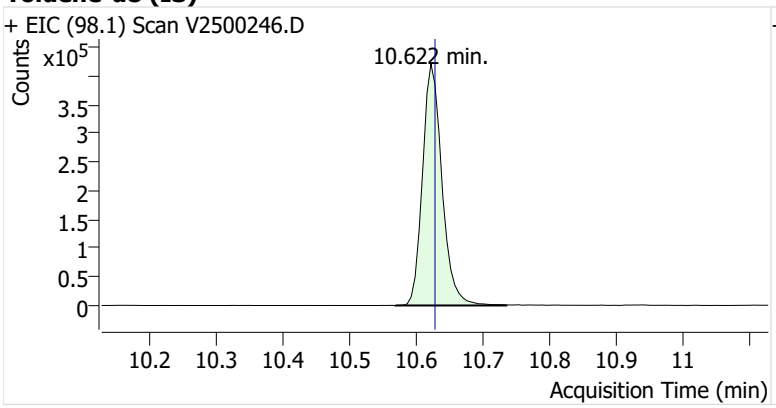


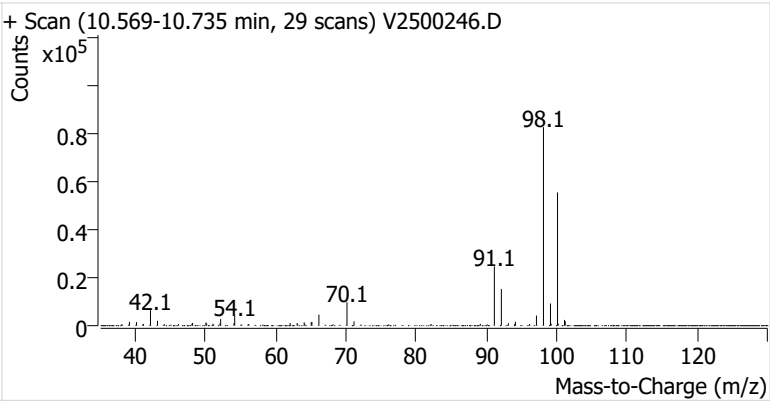
Benzene



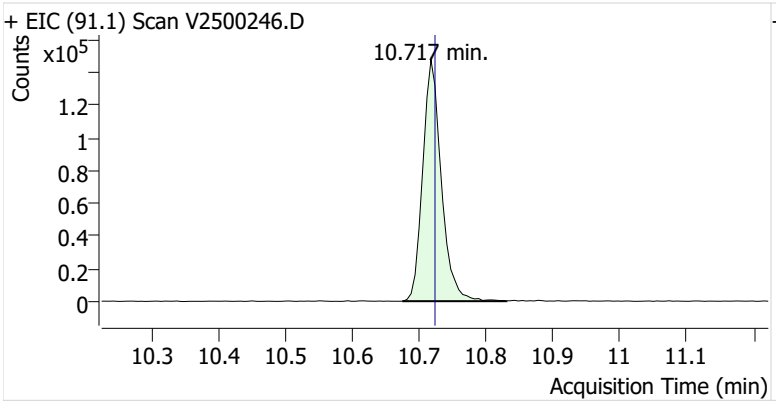


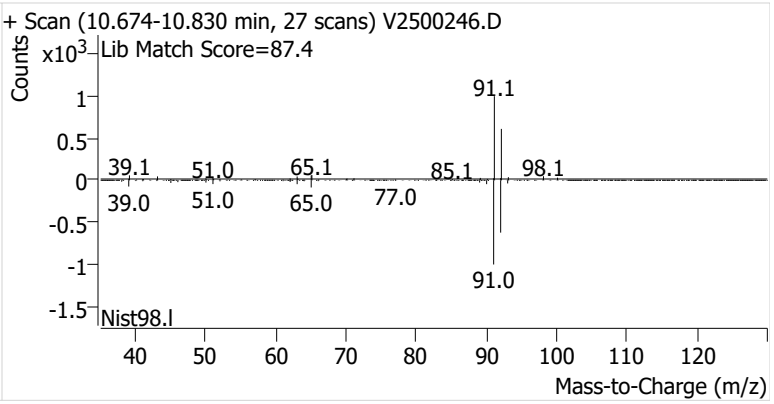
Toluene-d8 (IS)



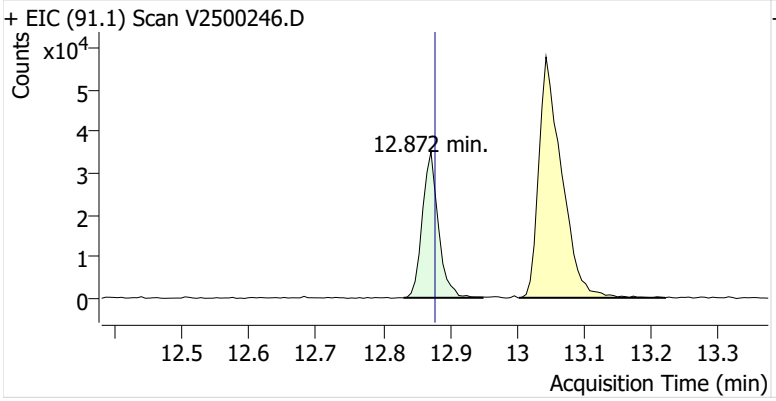


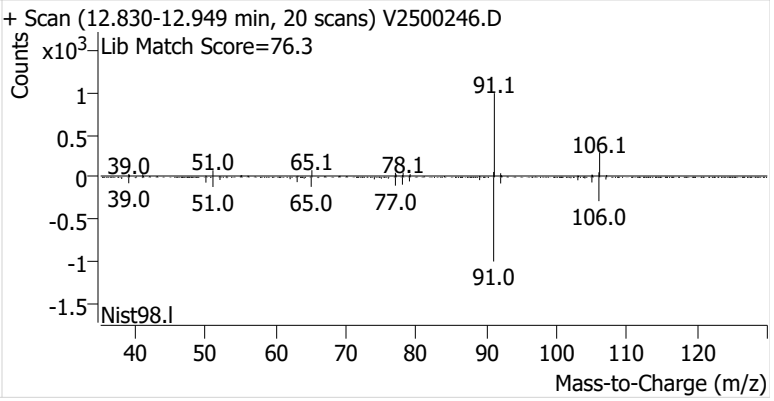
Toluene



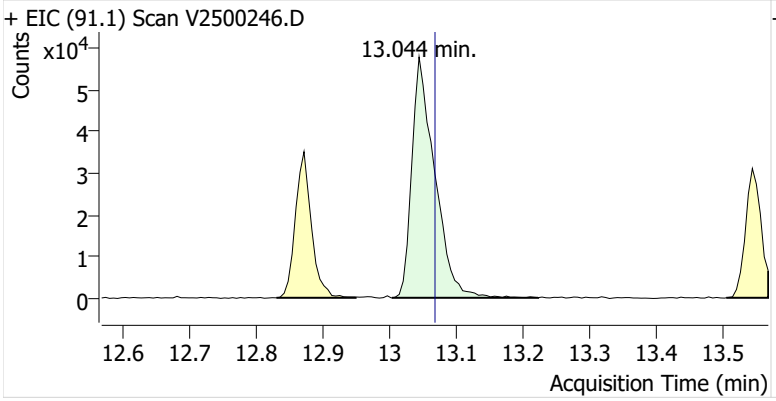


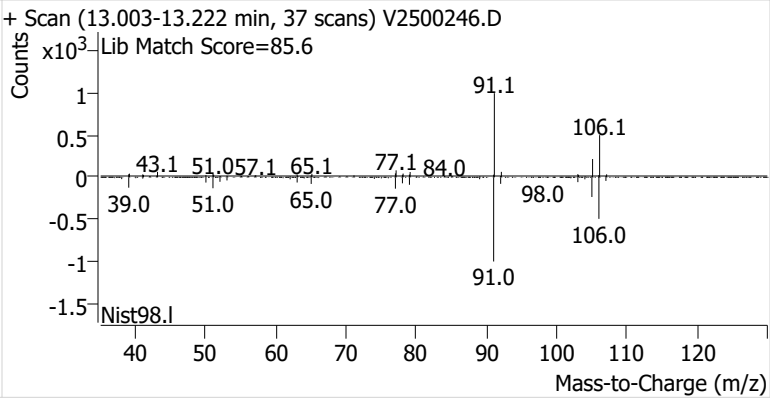
Ethylbenzene



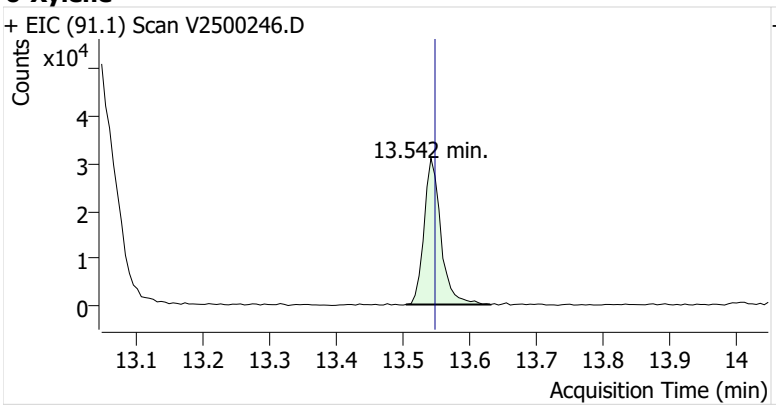


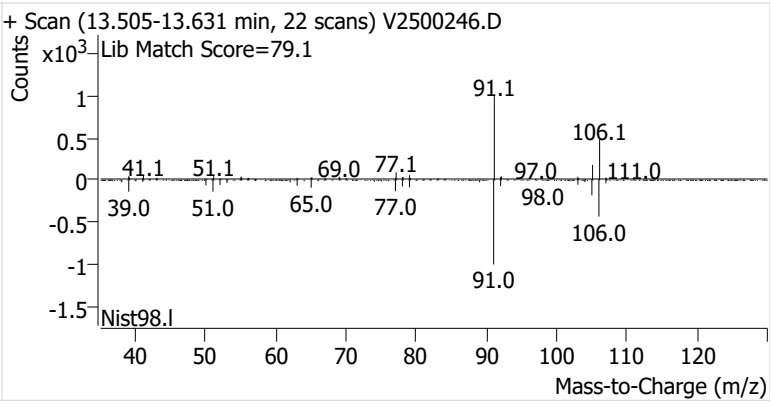
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan V2500246.D
Counts
x10^4
13.542 min.
Acquisition Time (min)


+ Scan (13.505-13.631 min, 22 scans) V2500246.D
Counts
x10^3
Lib Match Score=79.1
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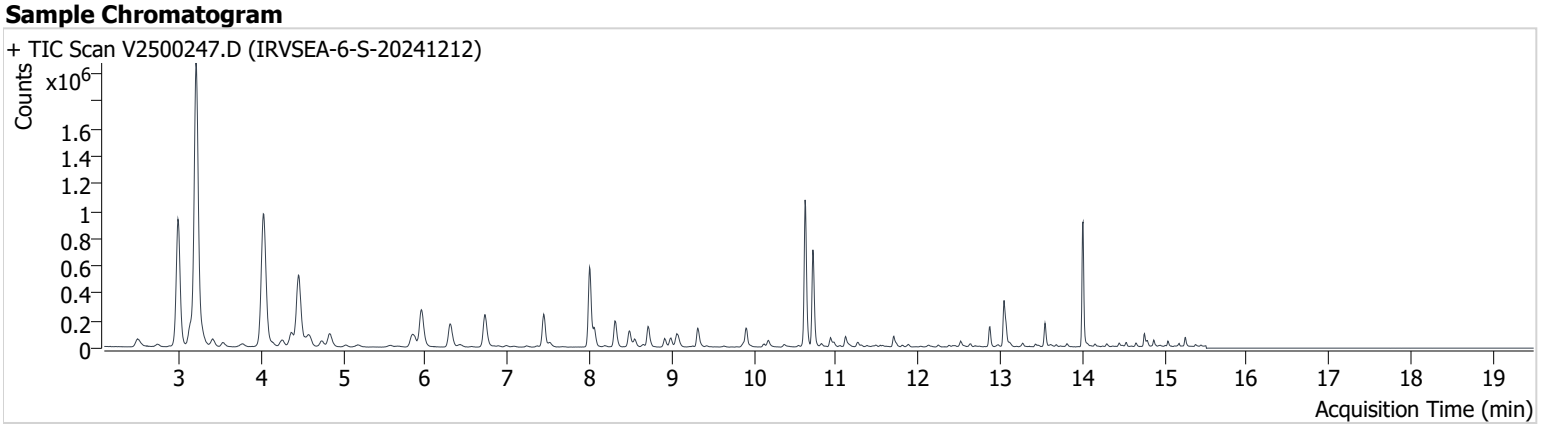
106.1
41.1
51.1
69.0
77.1
97.0
111.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

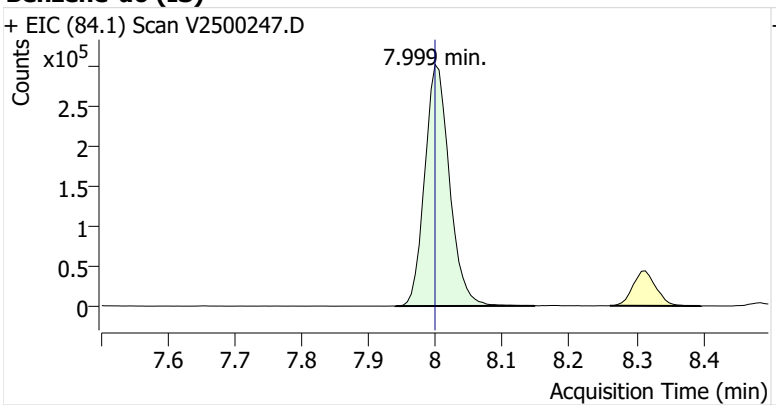
Name	IRVSEA-6-S-20241212
Comment	C32770
Data File	V2500247.D
Acq. Date-Time	1/14/2025 3:48:08 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

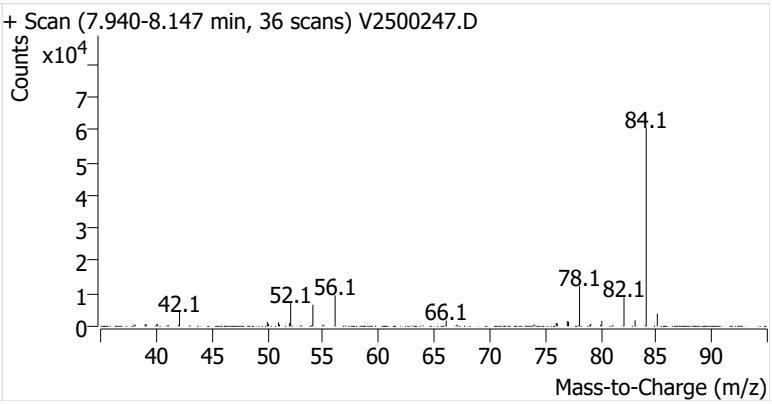
Sample Chromatogram



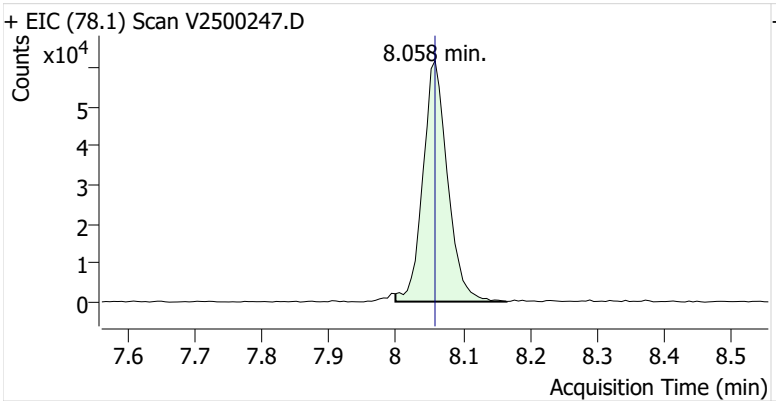
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.999	7.999	779,364	
Benzene	Benzene-d6 (IS)	8.058	8.058	158,146	
Toluene-d8 (IS)		10.622	10.628	850,084	
Toluene	Toluene-d8 (IS)	10.717	10.723	602,470	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	115,054	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	295,339	
o-Xylene	Toluene-d8 (IS)	13.543	13.548	112,601	

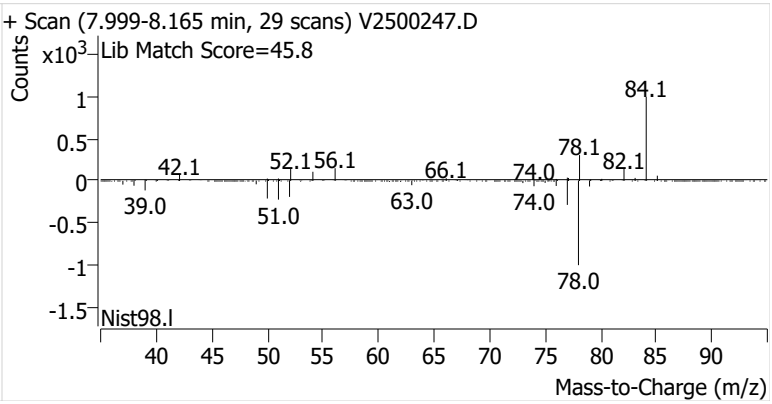
Benzene-d6 (IS)



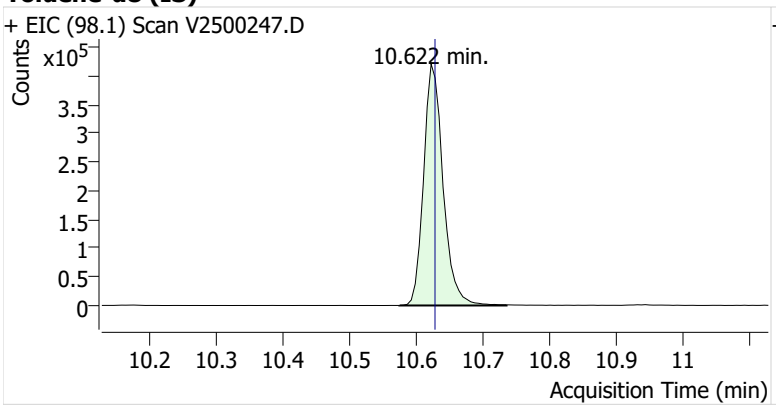


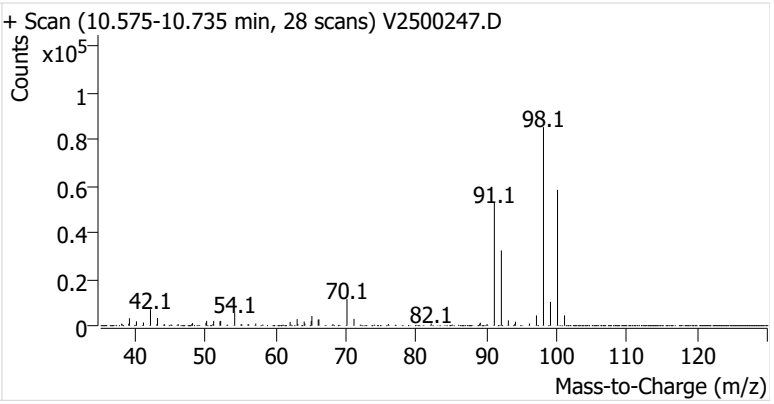
Benzene



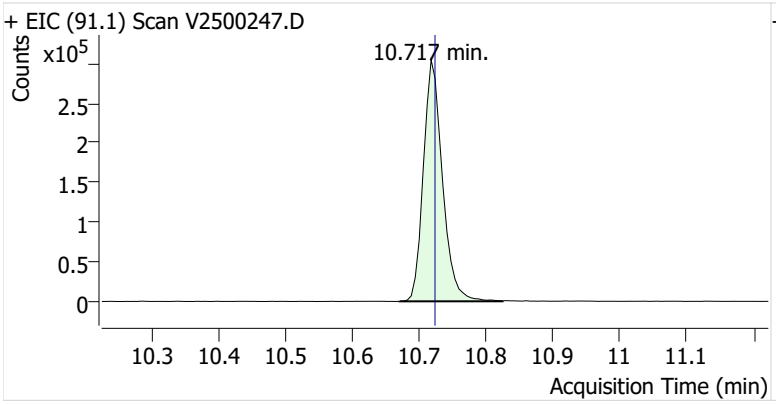


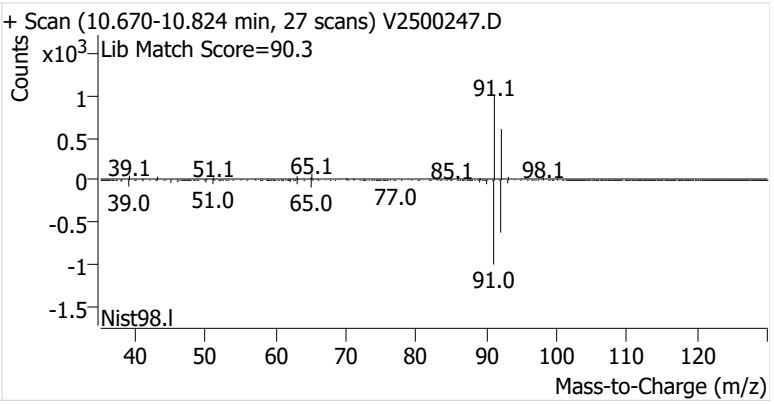
Toluene-d8 (IS)



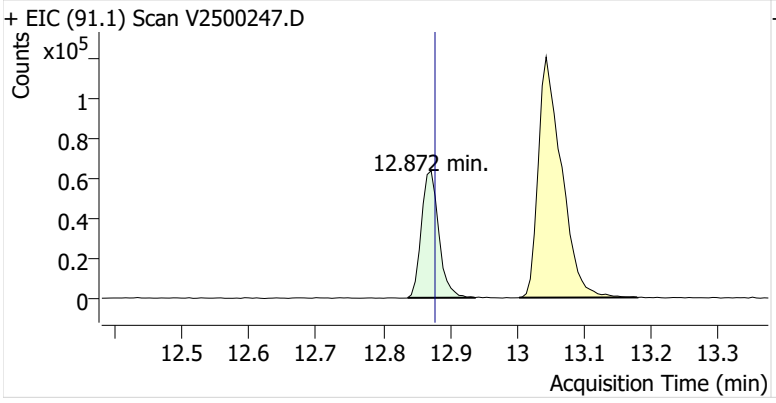


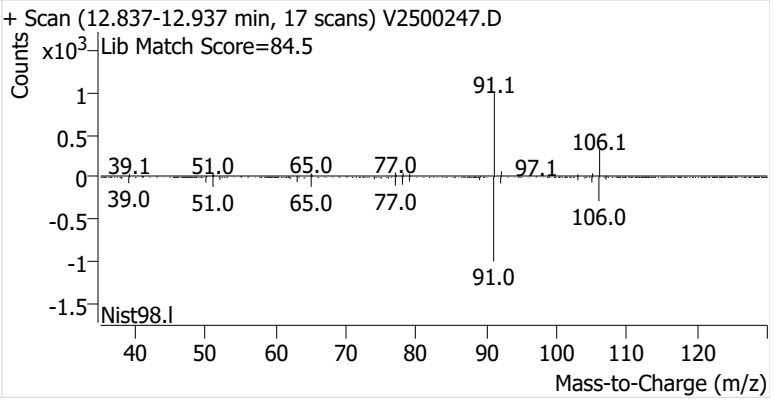
Toluene



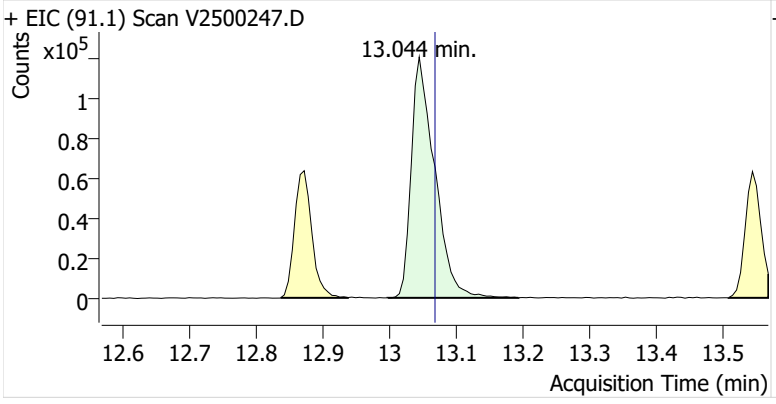


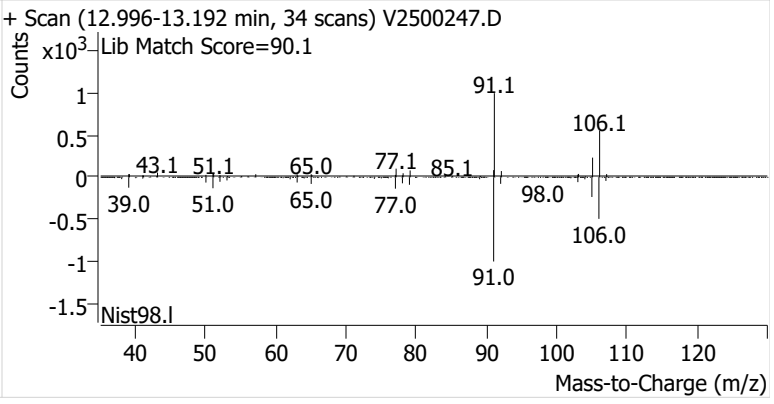
Ethylbenzene



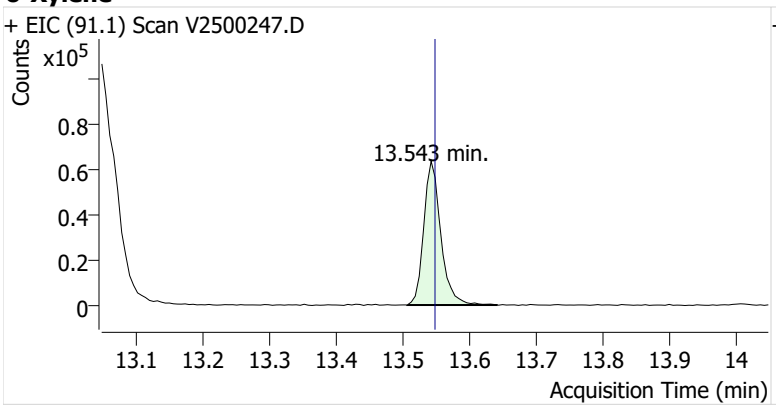


m-/p-Xylenes





o-Xylene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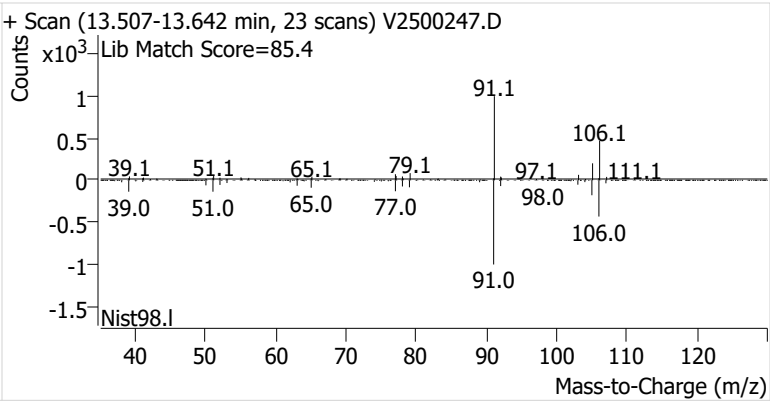
Counts
x10^5
0.8
0.6
0.4
0.2
0
13.543 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.507-13.642 min, 23 scans) V2500247.D
Counts
x10^3
Lib Match Score=85.4
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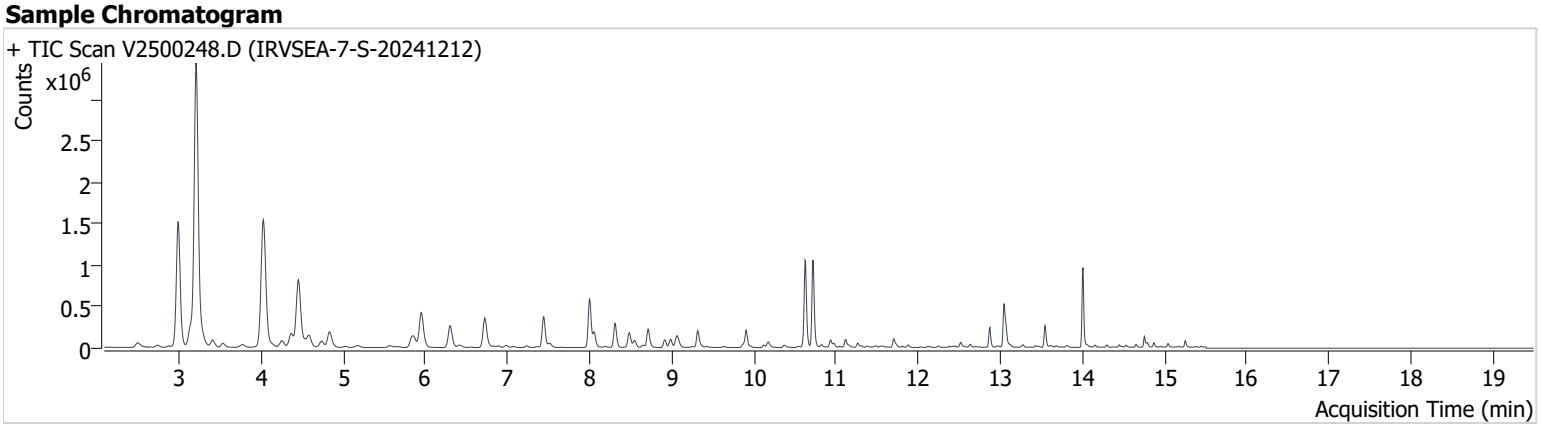
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.1
65.1
79.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

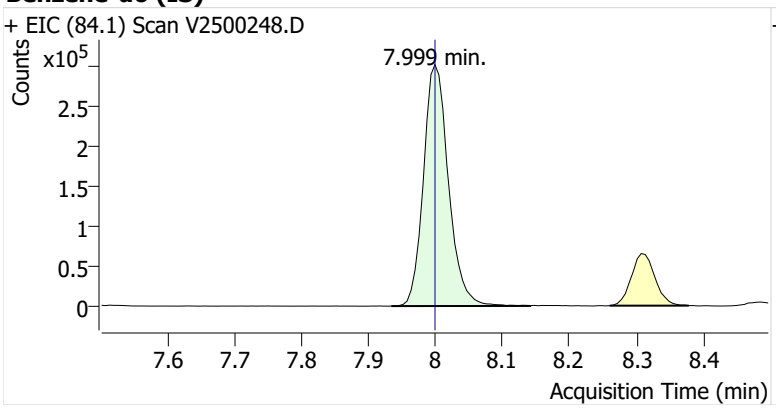
Name	IRVSEA-7-S-20241212
Comment	B28887
Data File	V2500248.D
Acq. Date-Time	1/14/2025 4:29:55 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

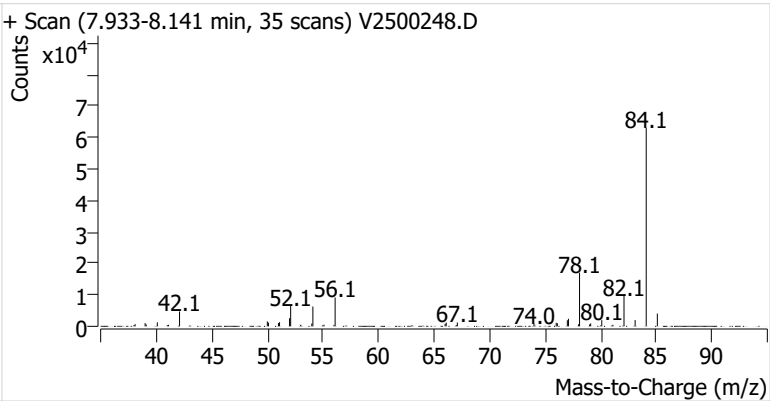
Sample Chromatogram



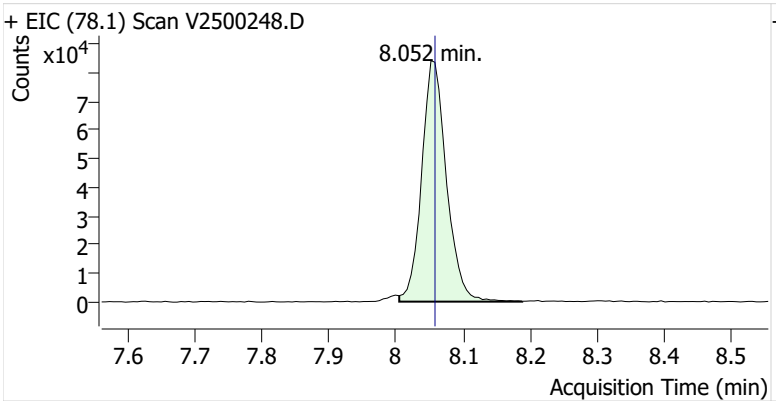
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.999	7.999	785,307	
Benzene	Benzene-d6 (IS)	8.052	8.058	216,645	
Toluene-d8 (IS)		10.622	10.628	838,336	
Toluene	Toluene-d8 (IS)	10.717	10.723	899,244	
Ethylbenzene	Toluene-d8 (IS)	12.872	12.878	187,178	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	466,742	
o-Xylene	Toluene-d8 (IS)	13.542	13.548	175,362	

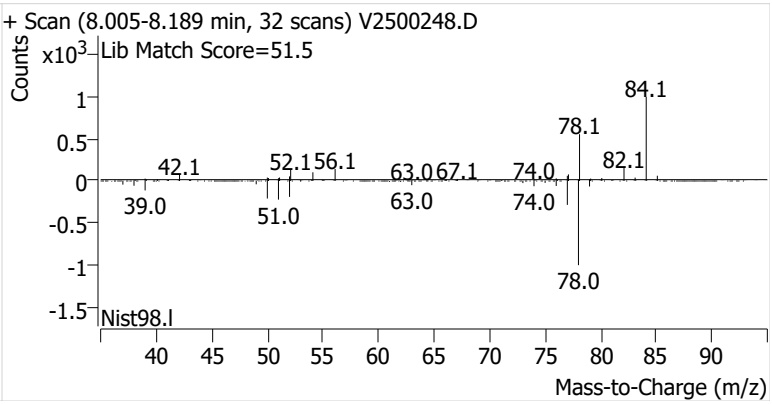
Benzene-d6 (IS)



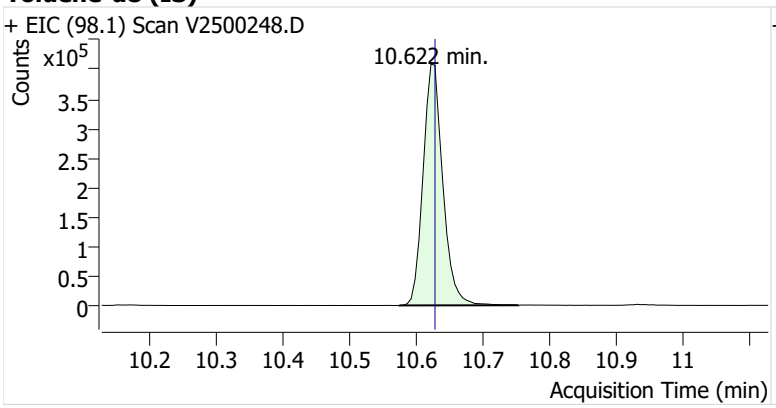


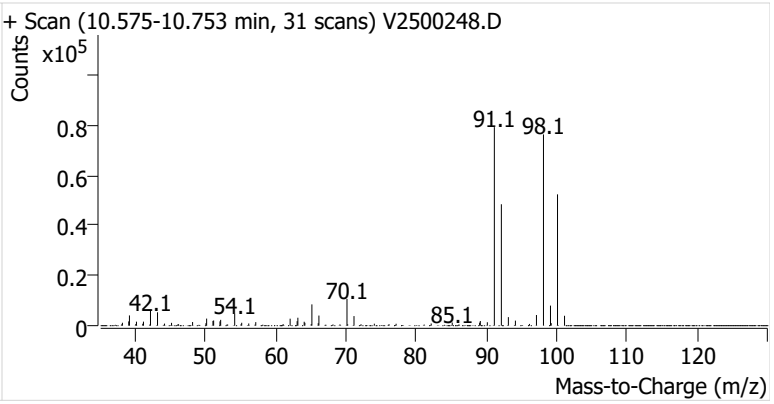
Benzene



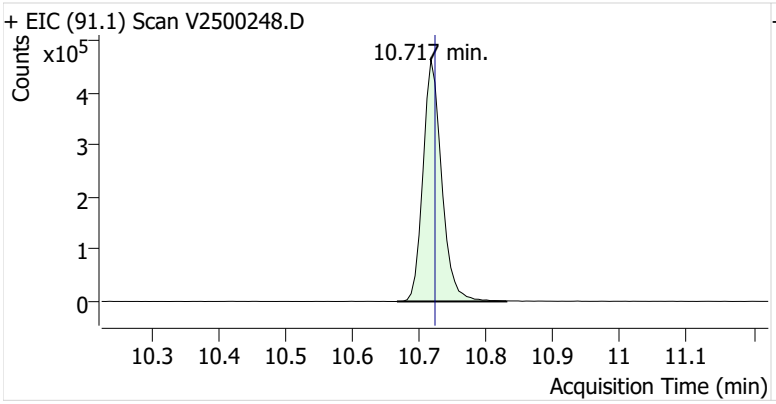


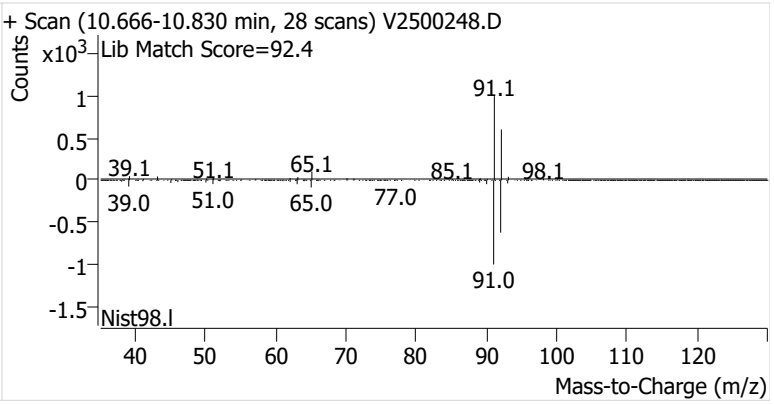
Toluene-d8 (IS)



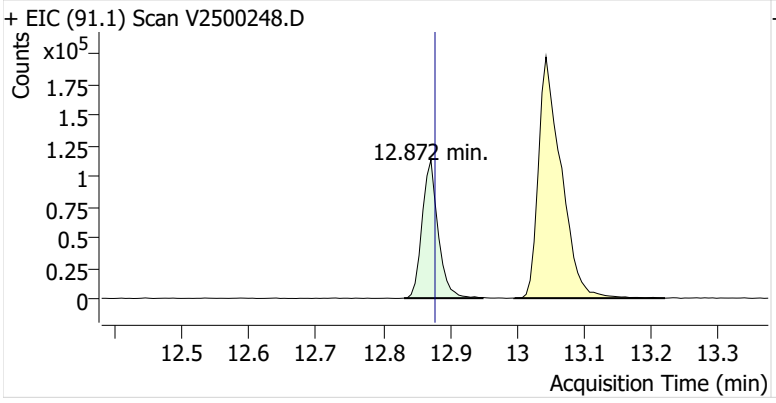


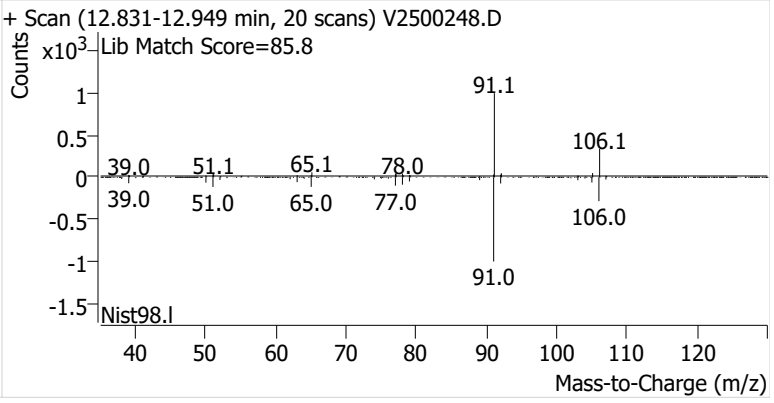
Toluene



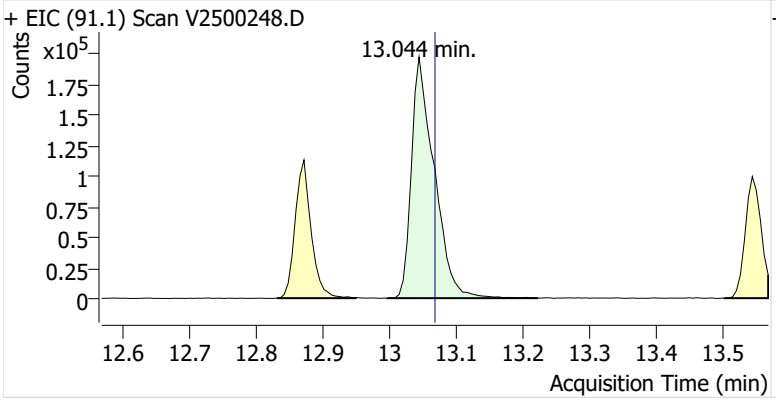


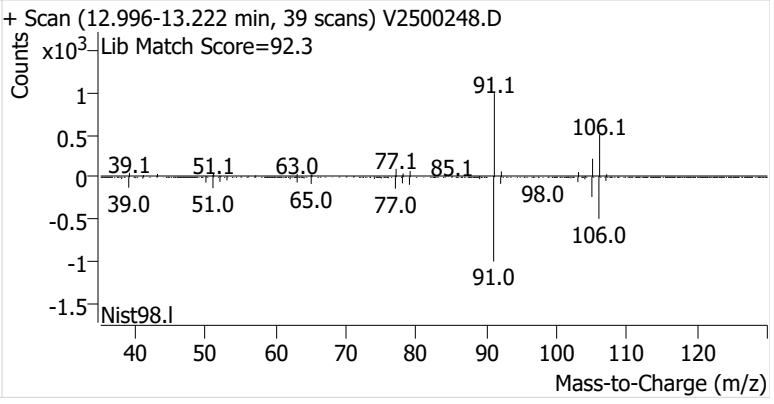
Ethylbenzene



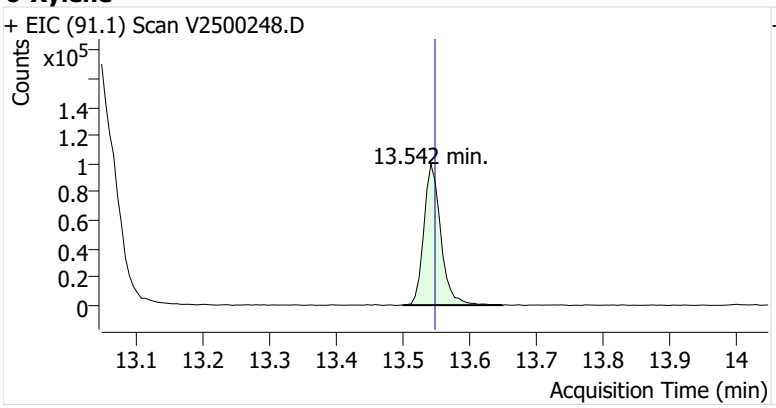


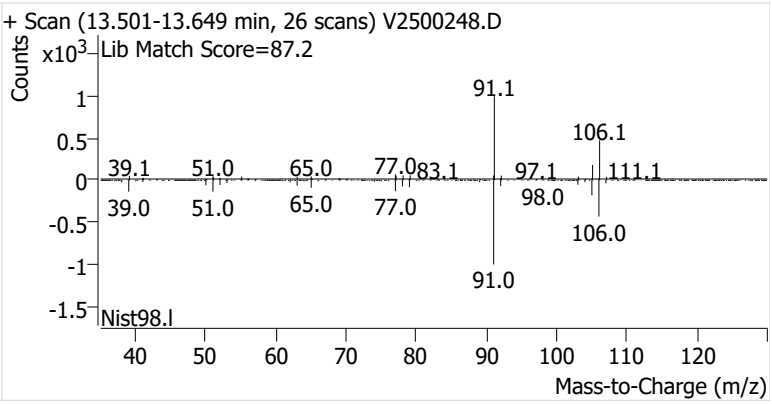
m-/p-Xylenes





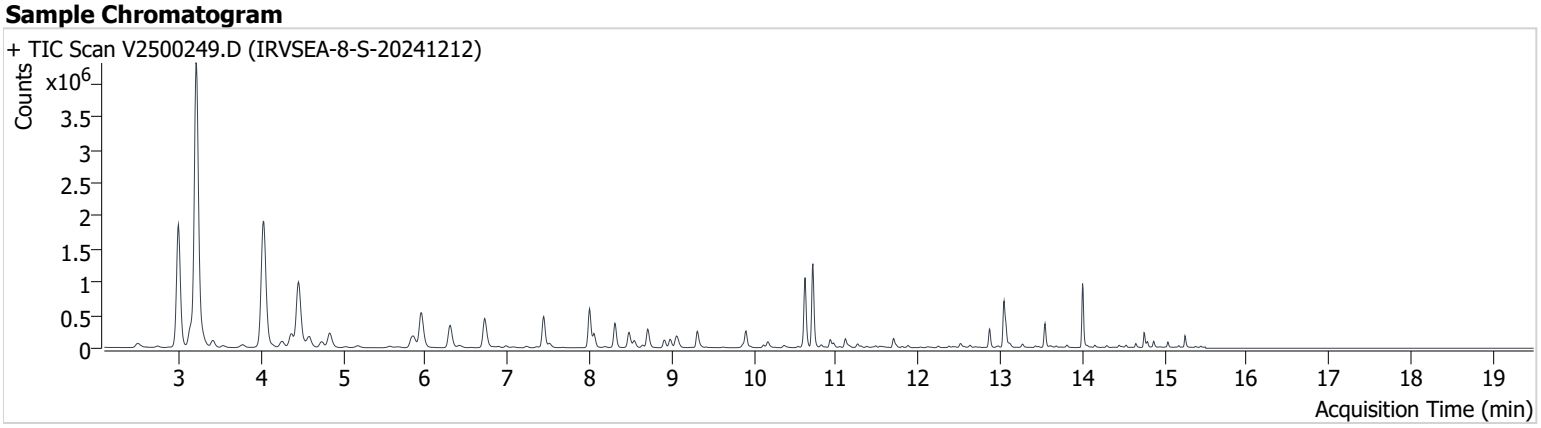
o-Xylene


+ EIC (91.1) Scan V2500248.D
Counts
x10^5
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13.542 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.501-13.649 min, 26 scans) V2500248.D
Counts
x10^3
Lib Match Score=87.2
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1 51.0 65.0 77.0 83.1 97.1 111.1
98.0
39.0 51.0 65.0 77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

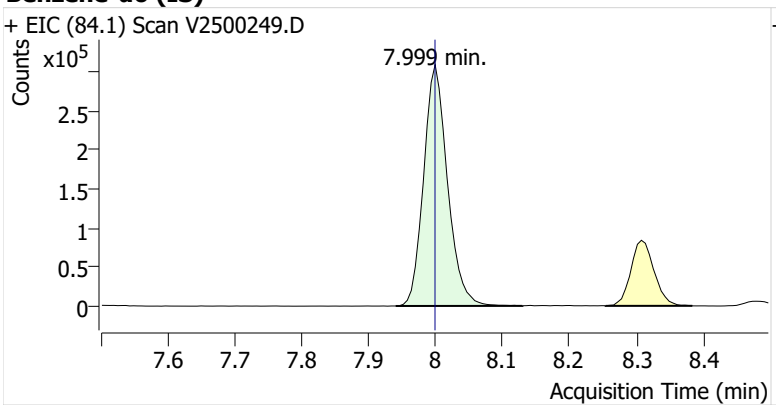
Name	IRVSEA-8-S-20241212
Comment	C38940
Data File	V2500249.D
Acq. Date-Time	1/14/2025 5:11:06 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

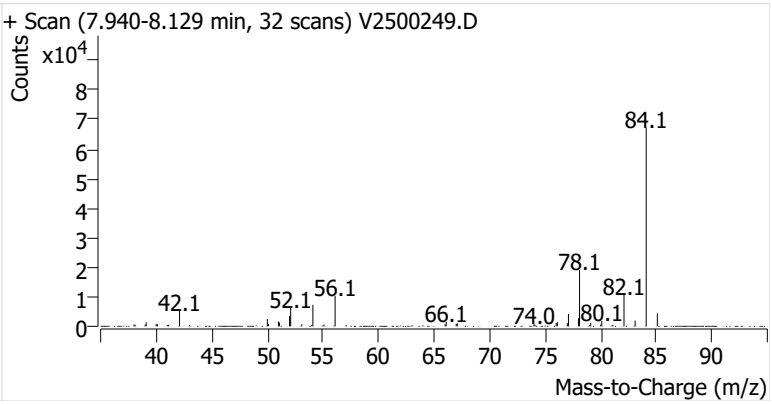
Sample Chromatogram



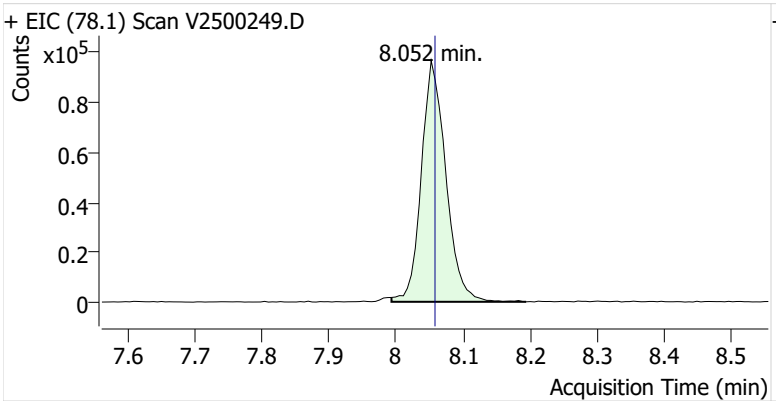
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.999	7.999	764,636	
Benzene	Benzene-d6 (IS)	8.052	8.058	246,138	
Toluene-d8 (IS)		10.622	10.628	829,917	
Toluene	Toluene-d8 (IS)	10.717	10.723	1,077,929	
Ethylbenzene	Toluene-d8 (IS)	12.866	12.878	217,864	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	625,832	
o-Xylene	Toluene-d8 (IS)	13.543	13.548	237,186	

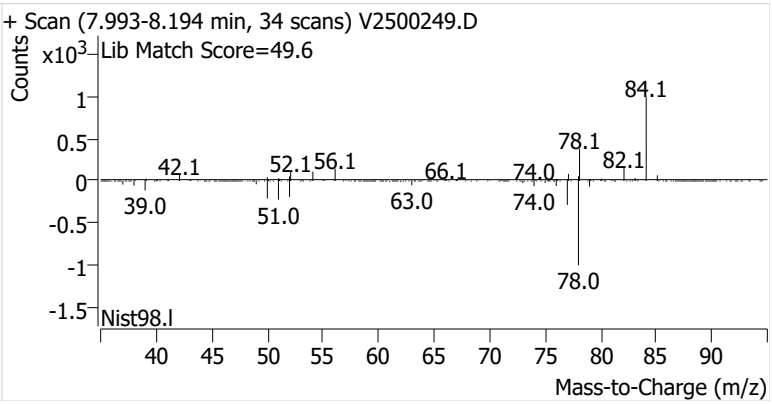
Benzene-d6 (IS)



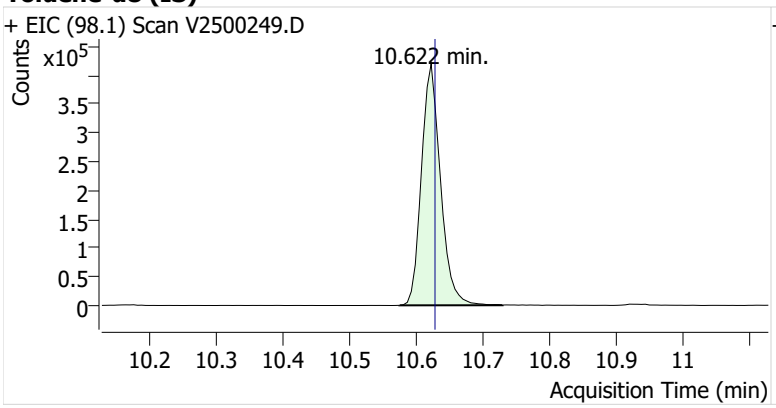


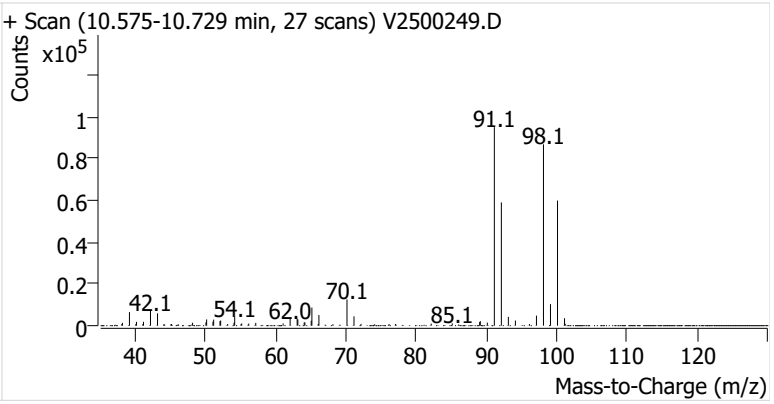
Benzene



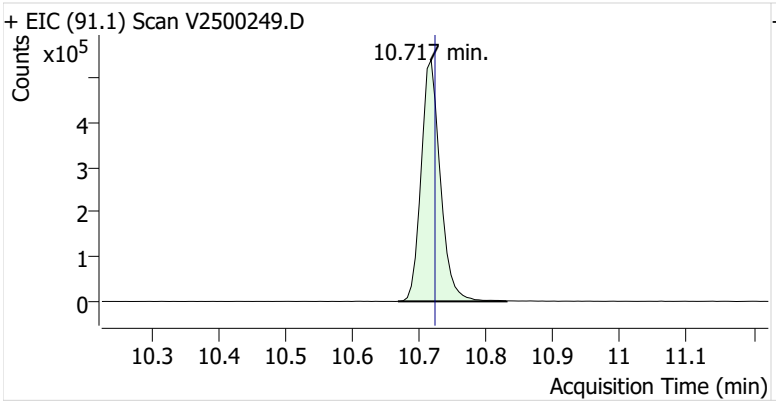


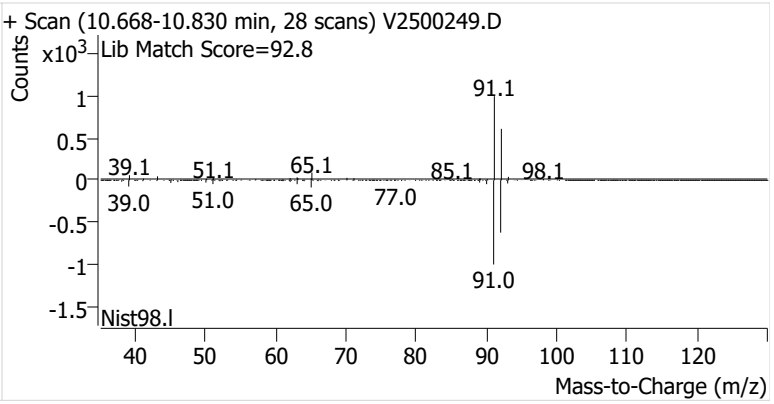
Toluene-d8 (IS)



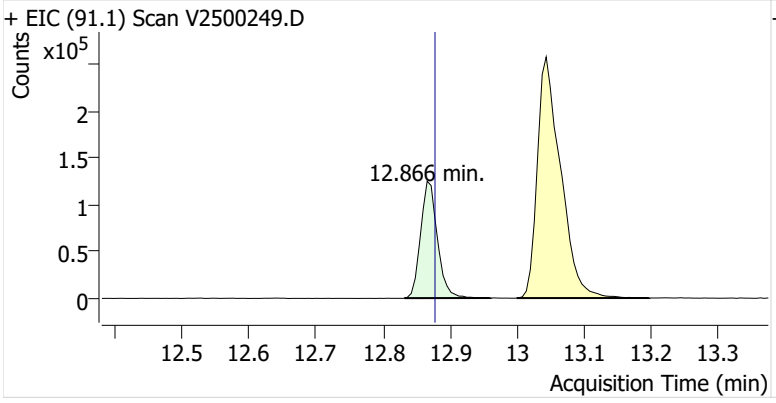


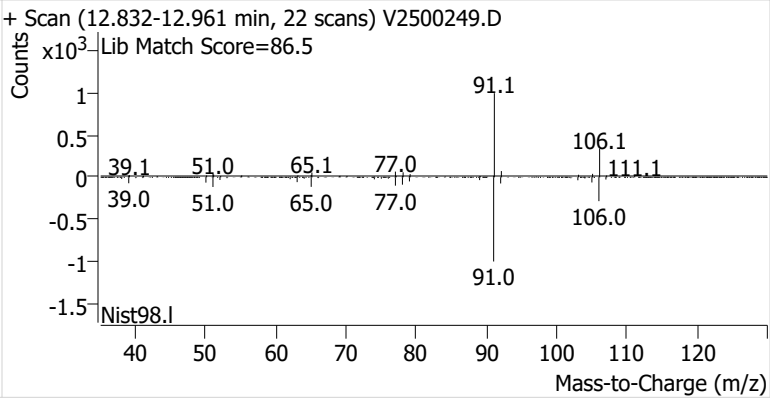
Toluene



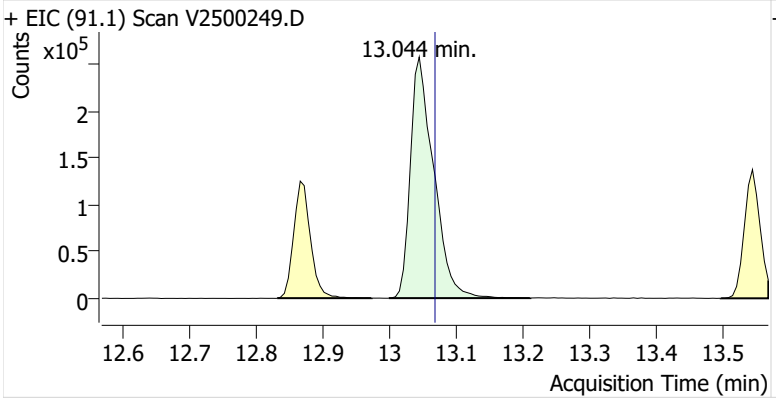


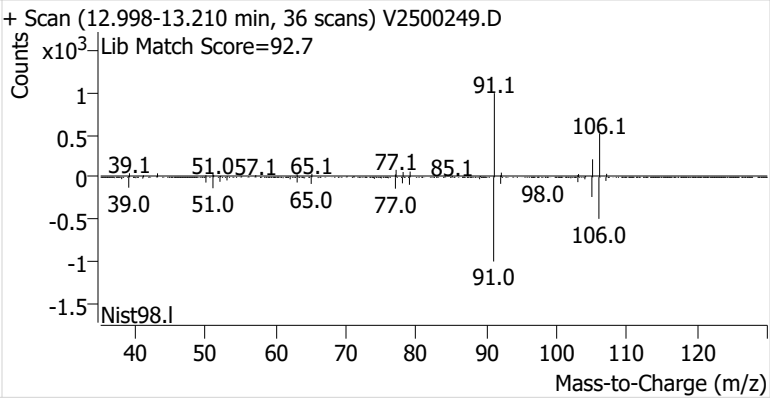
Ethylbenzene



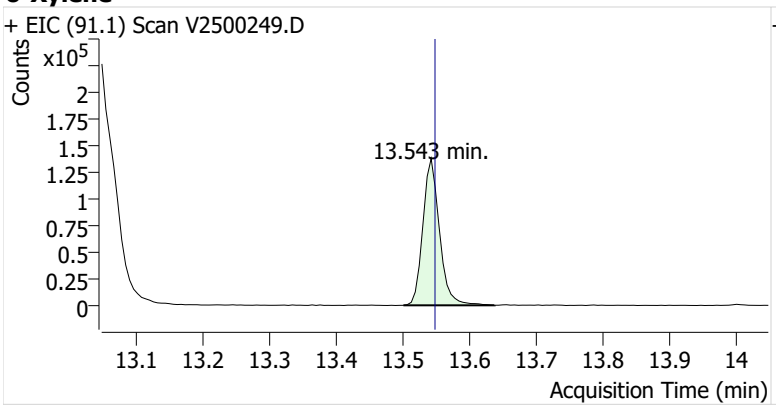


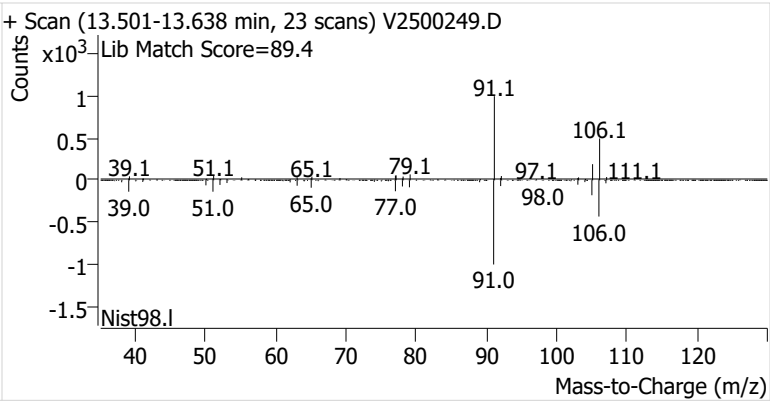
m-/p-Xylenes





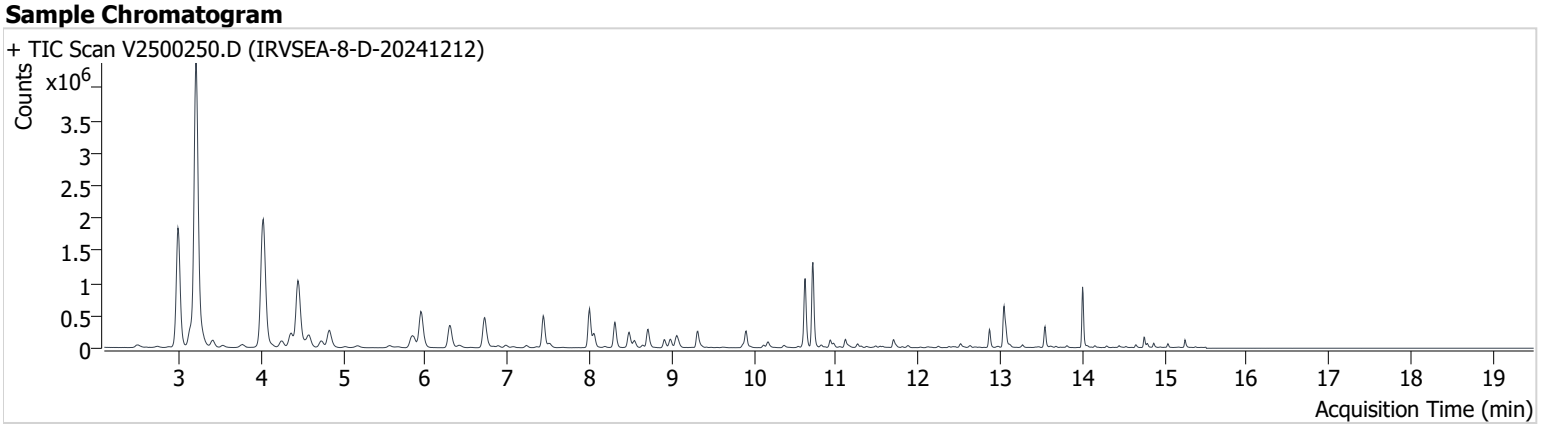
o-Xylene


+ EIC (91.1) Scan V2500249.D
Counts
x10^5
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
13.543 min.
13.1
13.2
13.3
13.4
13.5
13.6
13.7
13.8
13.9
14
Acquisition Time (min)


+ Scan (13.501-13.638 min, 23 scans) V2500249.D
Lib Match Score=89.4
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
51.1
65.1
79.1
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40
50
60
70
80
90
100
110
120
Mass-to-Charge (m/z)

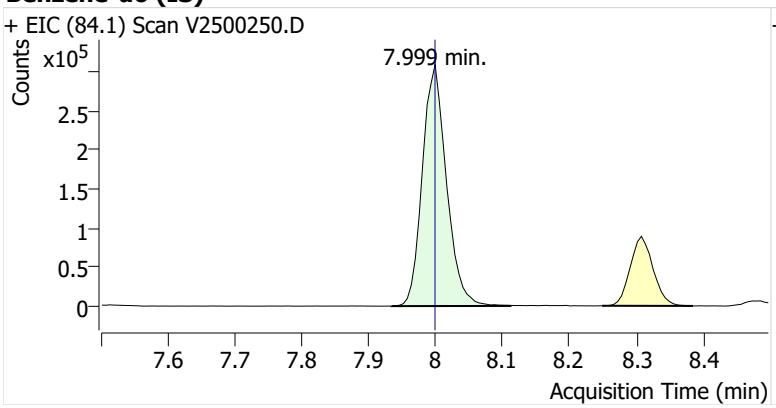
Name	IRVSEA-8-D-20241212
Comment	B16957
Data File	V2500250.D
Acq. Date-Time	1/14/2025 5:52:52 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

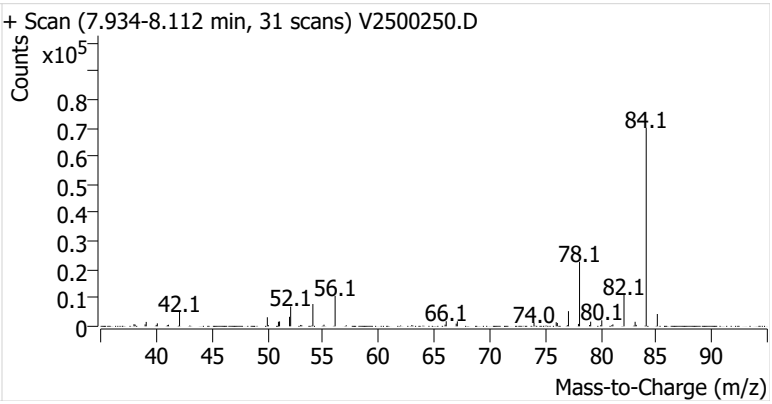
Sample Chromatogram



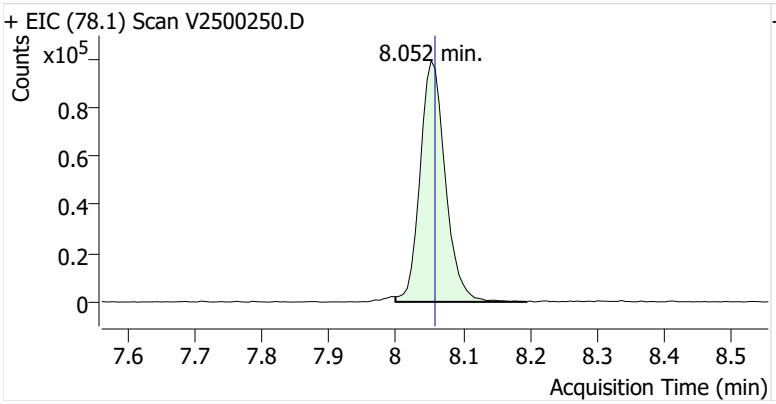
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.999	7.999	774,012	
Benzene	Benzene-d6 (IS)	8.052	8.058	259,536	
Toluene-d8 (IS)		10.622	10.628	844,710	
Toluene	Toluene-d8 (IS)	10.717	10.723	1,132,583	
Ethylbenzene	Toluene-d8 (IS)	12.866	12.878	215,174	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	569,155	
o-Xylene	Toluene-d8 (IS)	13.543	13.548	214,817	

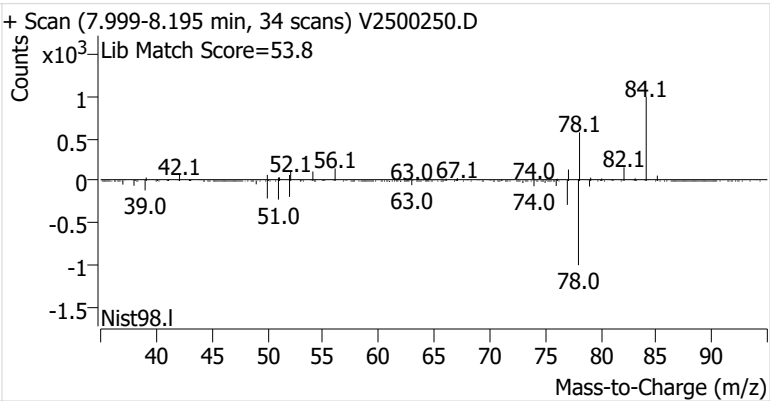
Benzene-d6 (IS)



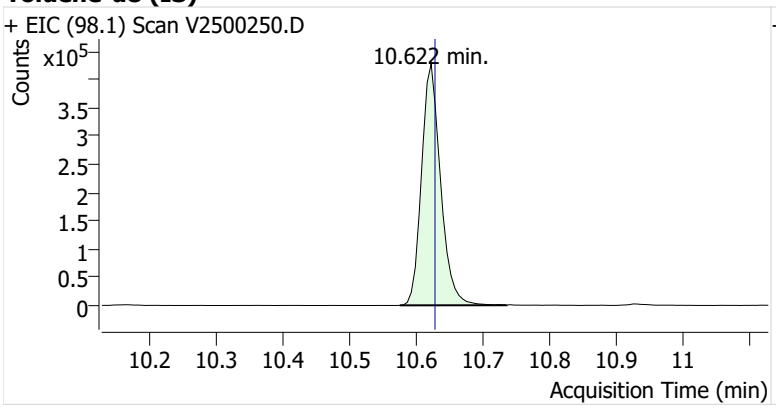


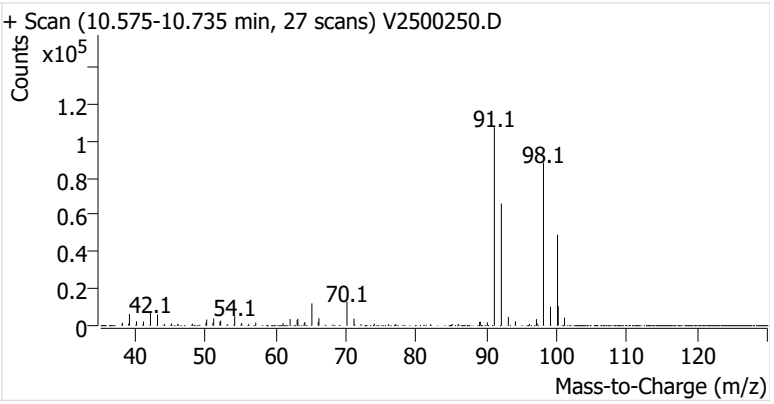
Benzene



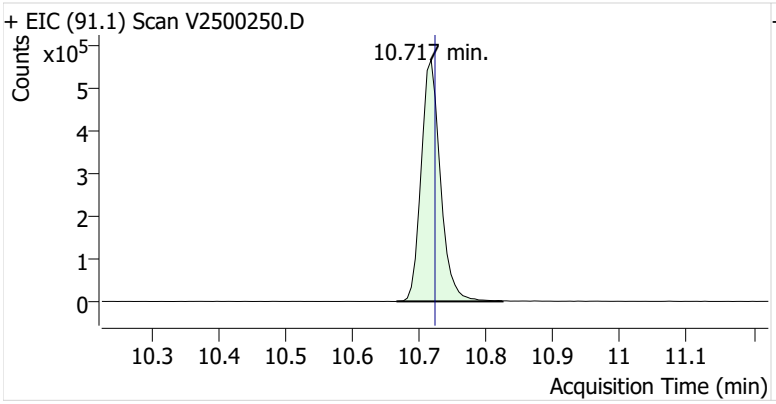


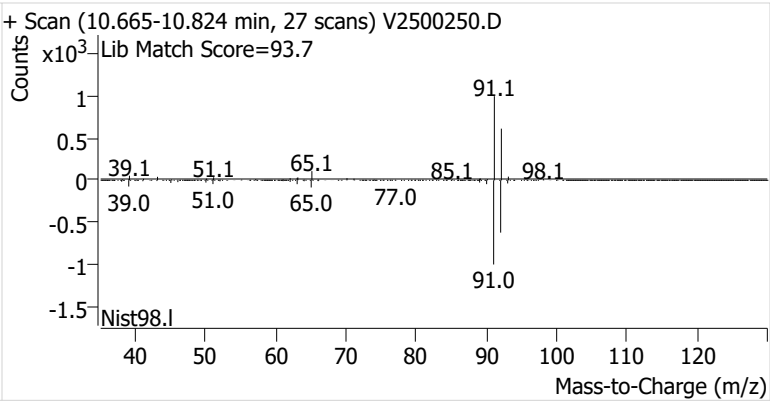
Toluene-d8 (IS)



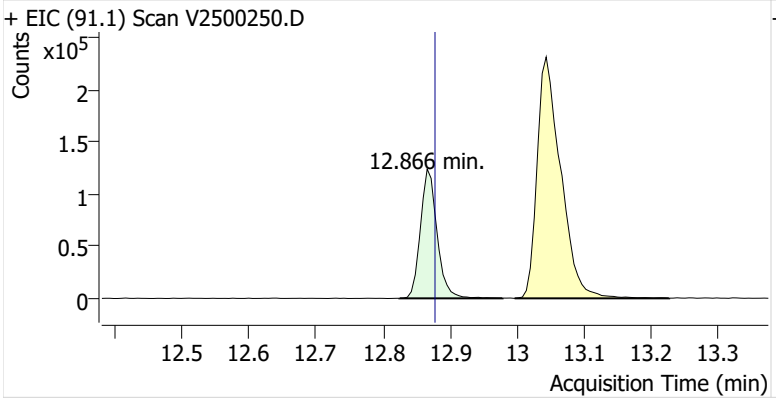


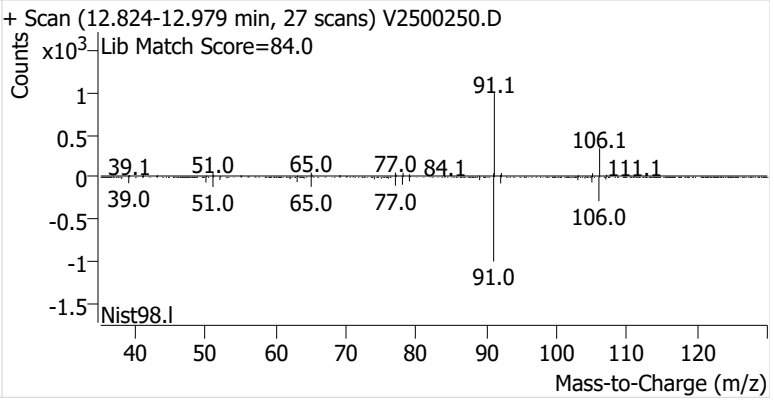
Toluene



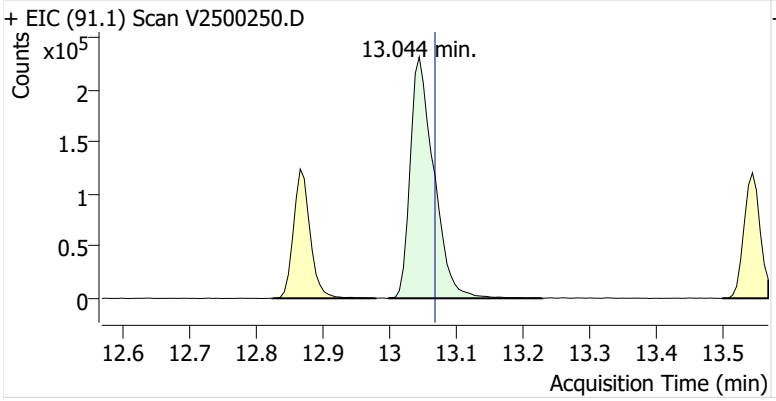


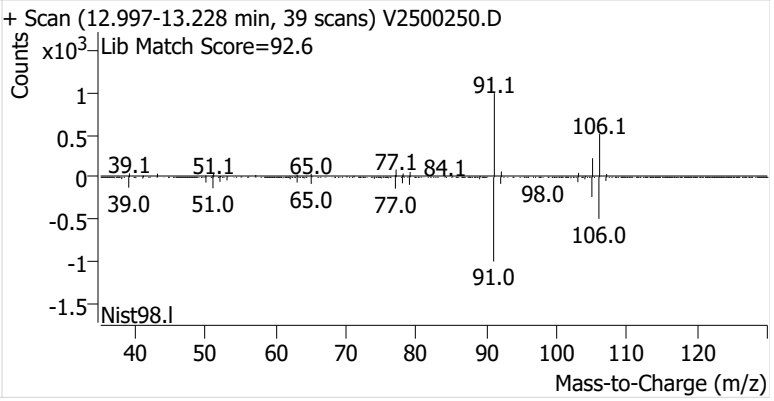
Ethylbenzene



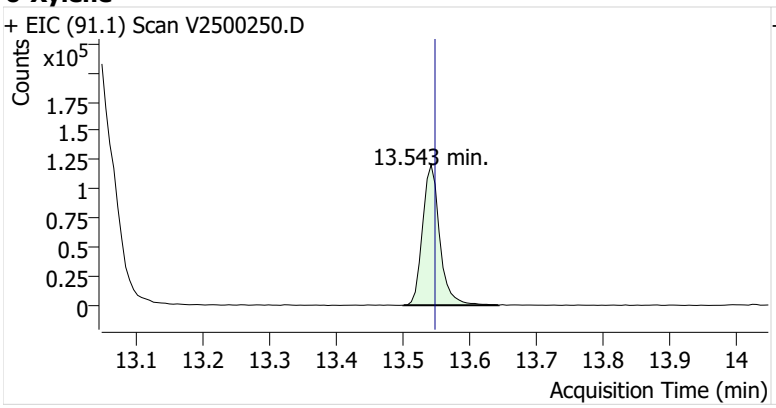


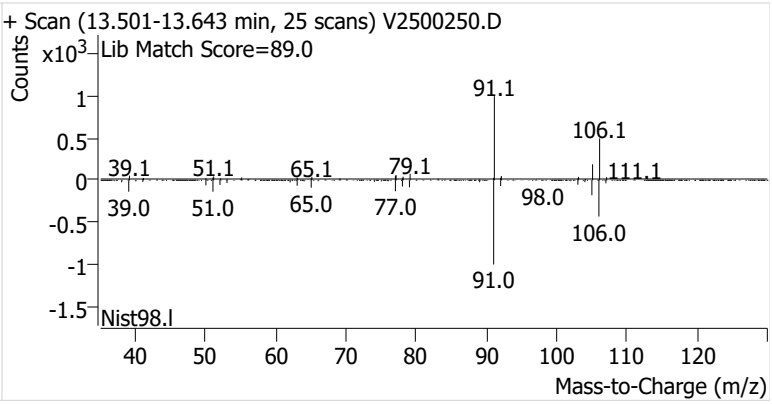
m-/p-Xylenes





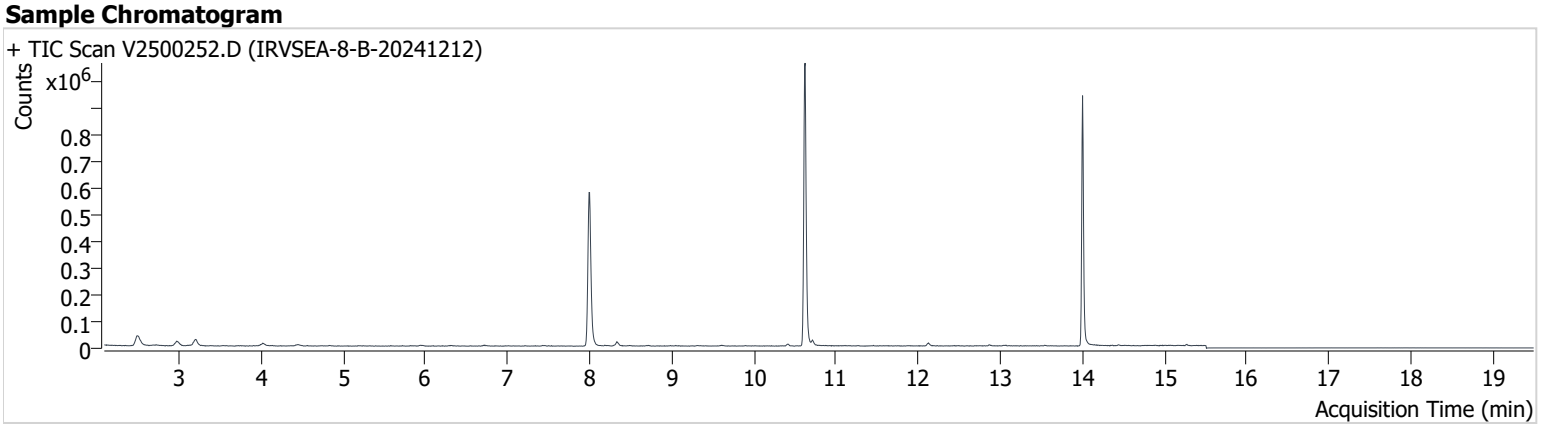
o-Xylene


+ EIC (91.1) Scan V2500250.D
Counts
x10^5
1.75
1.5
1.25
1
0.75
0.5
0.25
0
13.543 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.501-13.643 min, 25 scans) V2500250.D
Counts
x10^3
Lib Match Score=89.0
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
111.1
39.1
51.1
65.1
79.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

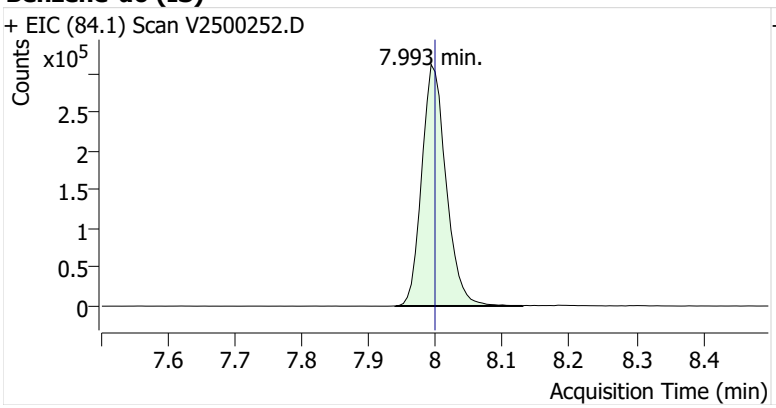
Name	IRVSEA-8-B-20241212
Comment	B15741
Data File	V2500252.D
Acq. Date-Time	1/14/2025 7:15:49 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

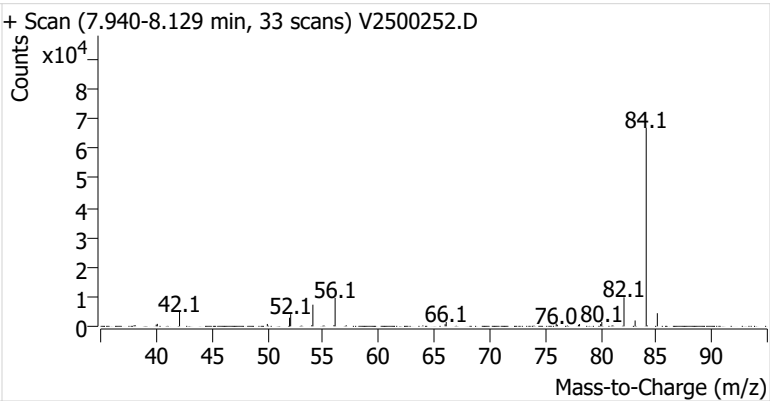
Sample Chromatogram



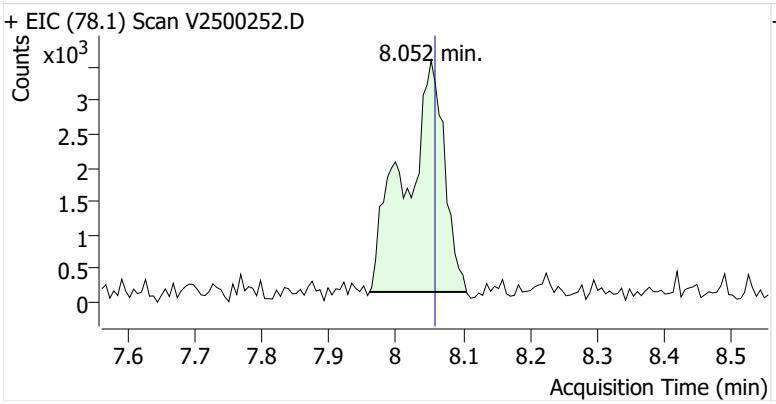
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	787,555	
Benzene	Benzene-d6 (IS)	8.052	8.058	13,995	
Toluene-d8 (IS)		10.622	10.628	858,457	
Toluene	Toluene-d8 (IS)	10.711	10.723	11,382	
Ethylbenzene	Toluene-d8 (IS)	12.866	12.878	2,982	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	2,333	
o-Xylene	Toluene-d8 (IS)	13.543	13.548	1,614	

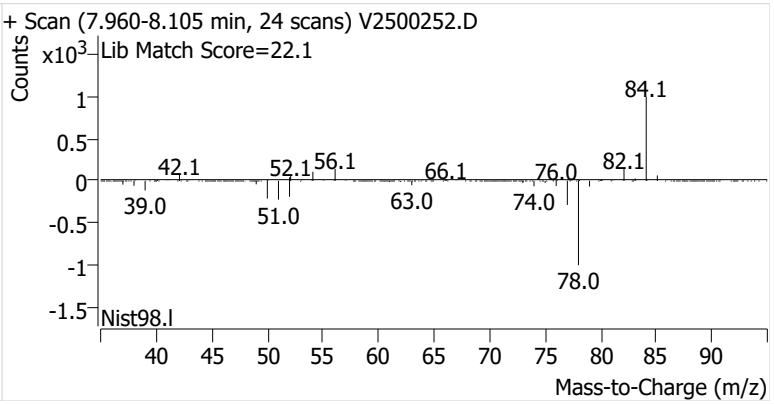
Benzene-d6 (IS)



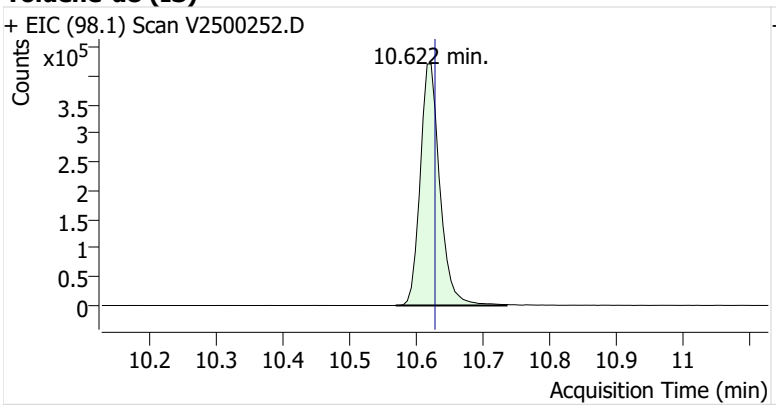


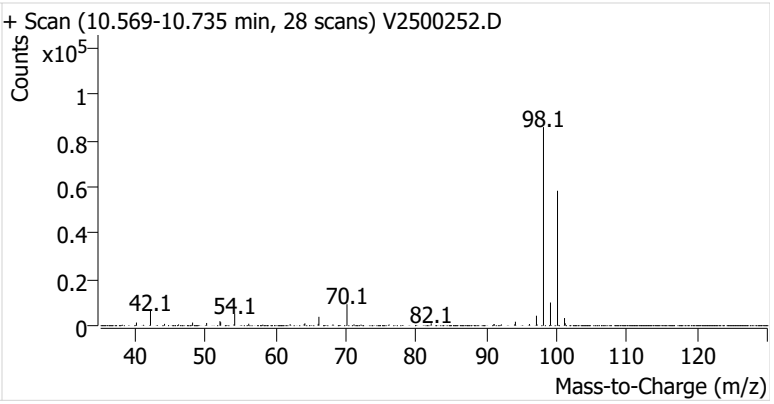
Benzene



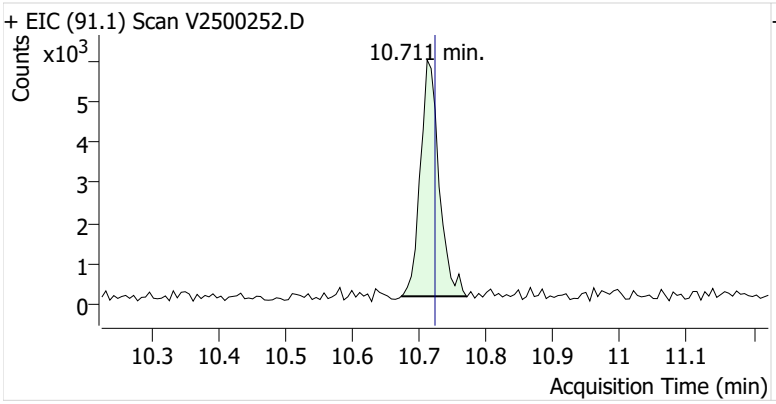


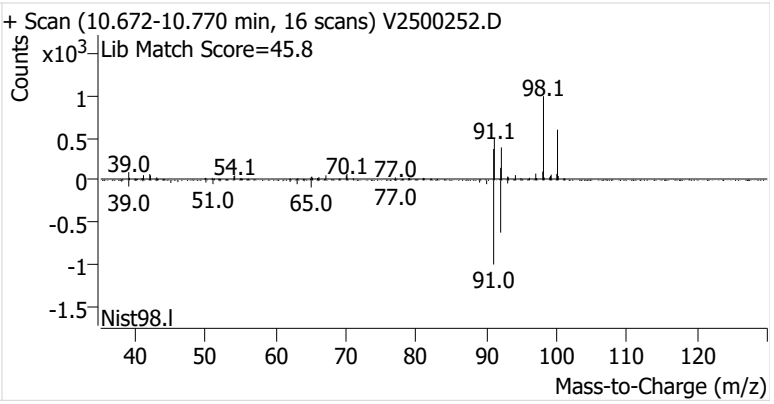
Toluene-d8 (IS)



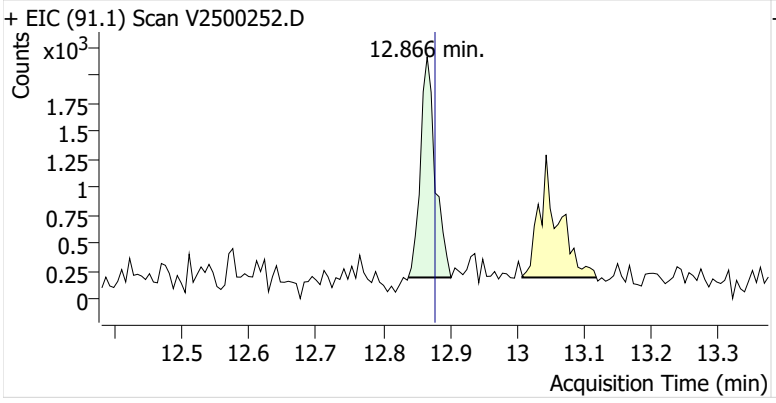


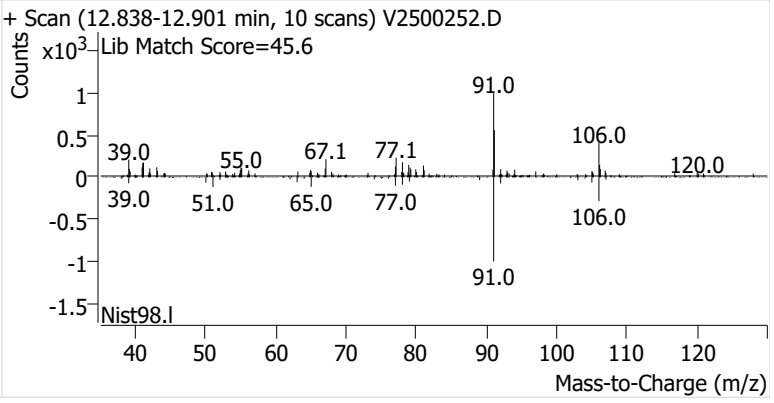
Toluene



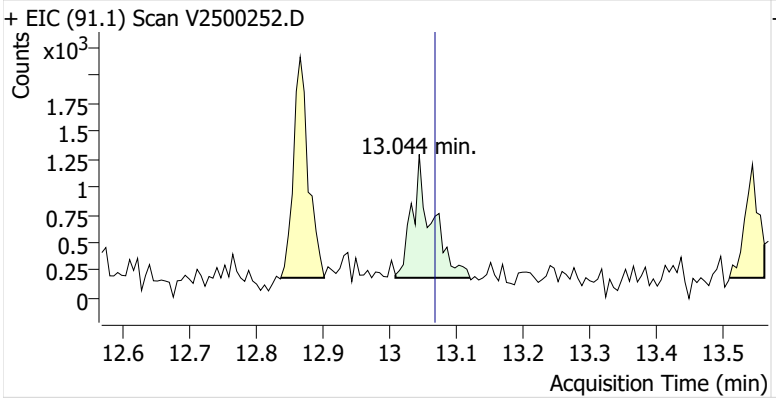


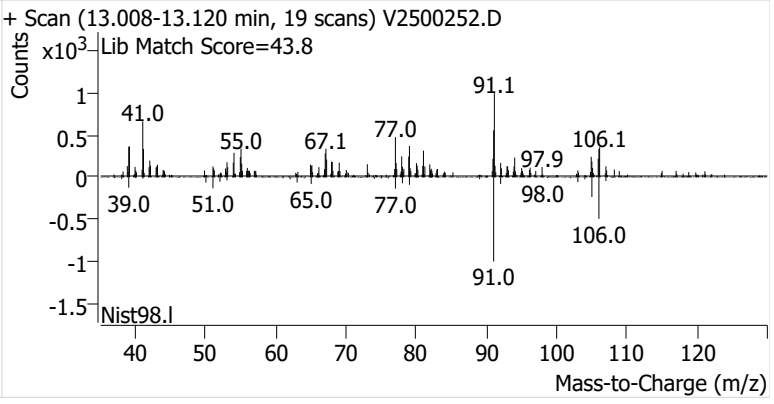
Ethylbenzene



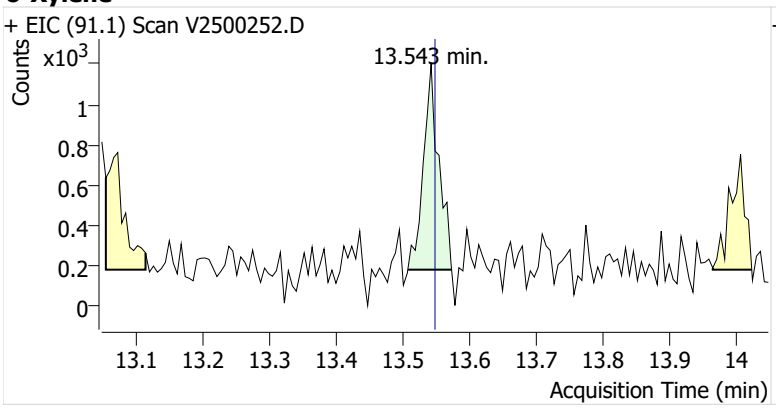


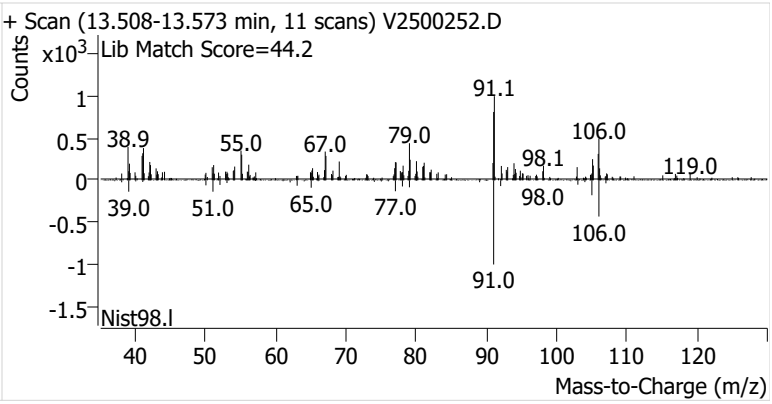
m-/p-Xylenes





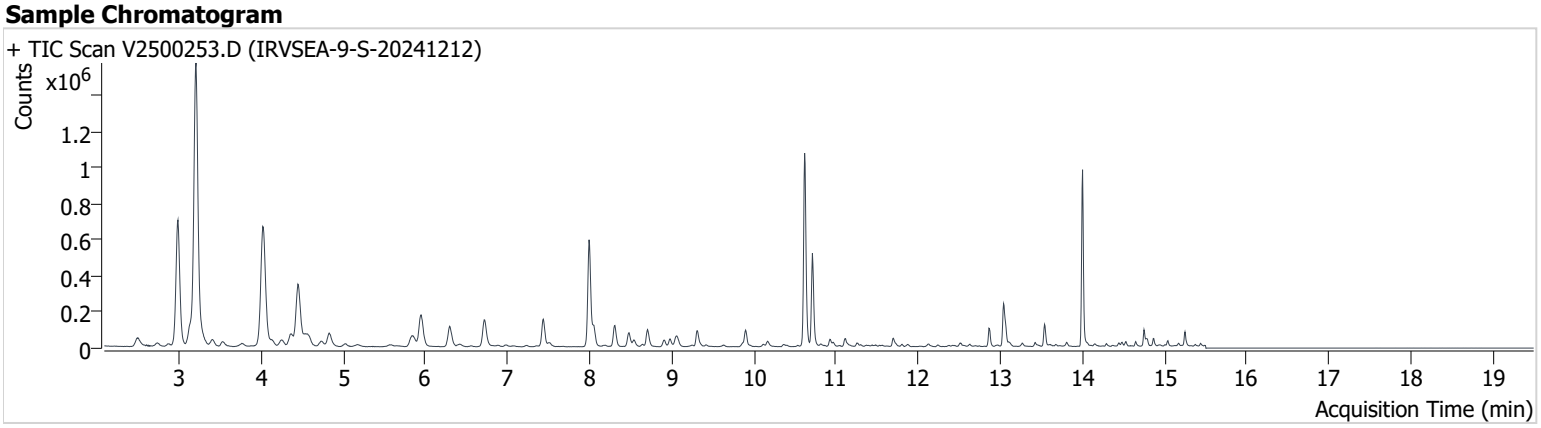
o-Xylene


+ EIC (91.1) Scan V2500252.D
Counts
x10^3
13.543 min.
1
0.8
0.6
0.4
0.2
0
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.508-13.573 min, 11 scans) V2500252.D
Lib Match Score=44.2
Counts
x10^3
91.1
38.9
55.0
67.0
79.0
106.0
98.1
119.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
1
0.5
0
-0.5
-1
-1.5
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

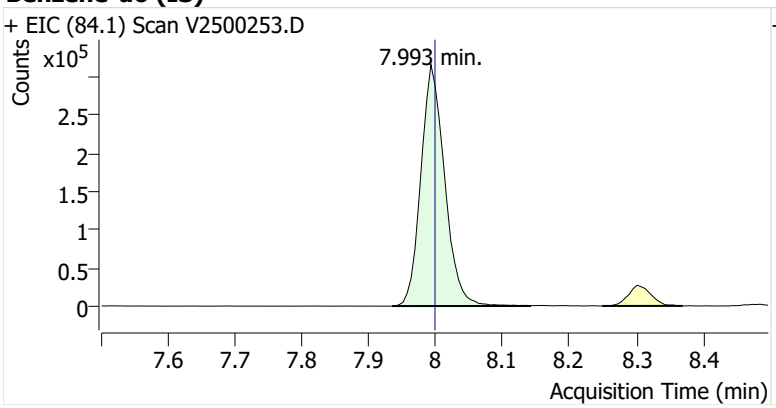
Name	IRVSEA-9-S-20241212
Comment	B50650
Data File	V2500253.D
Acq. Date-Time	1/14/2025 7:57:01 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

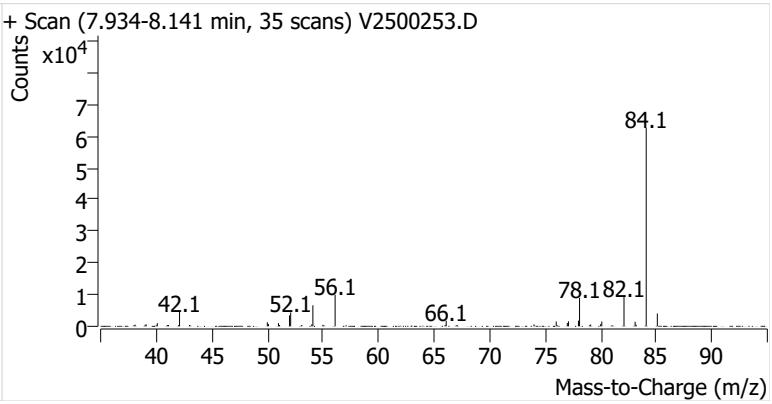
Sample Chromatogram



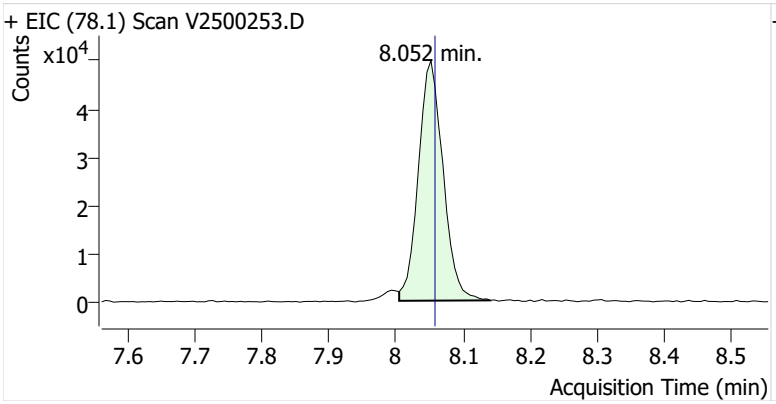
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	780,394	
Benzene	Benzene-d6 (IS)	8.052	8.058	127,604	
Toluene-d8 (IS)		10.616	10.628	851,576	
Toluene	Toluene-d8 (IS)	10.711	10.723	427,321	
Ethylbenzene	Toluene-d8 (IS)	12.866	12.878	80,966	
m-/p-Xylenes	Toluene-d8 (IS)	13.038	13.068	214,651	
o-Xylene	Toluene-d8 (IS)	13.536	13.548	83,400	

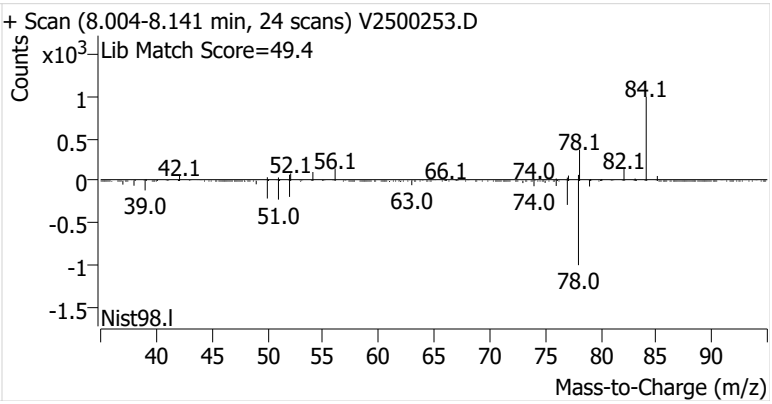
Benzene-d6 (IS)



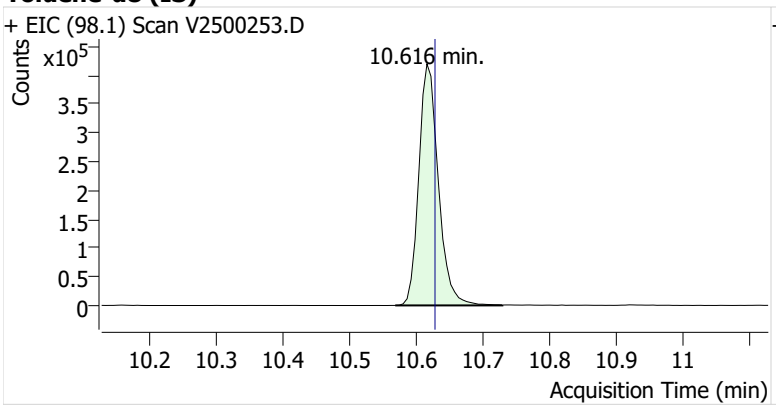


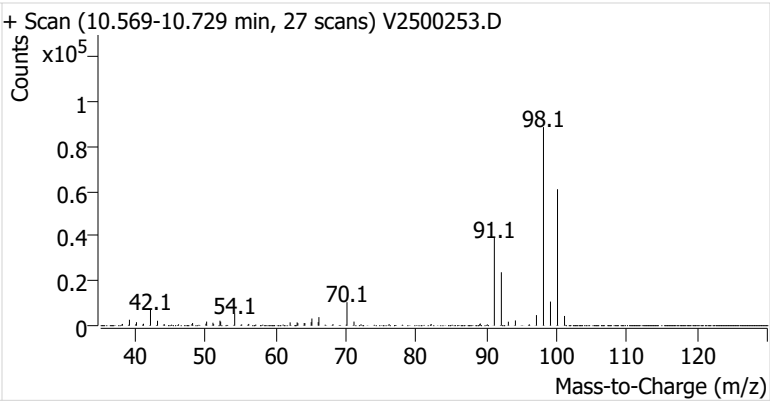
Benzene



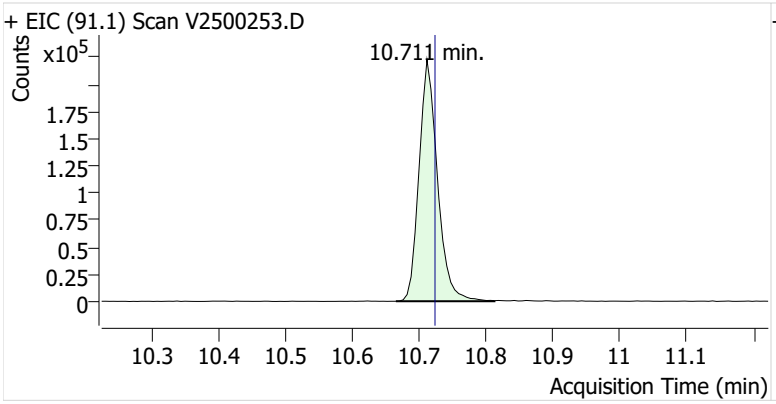


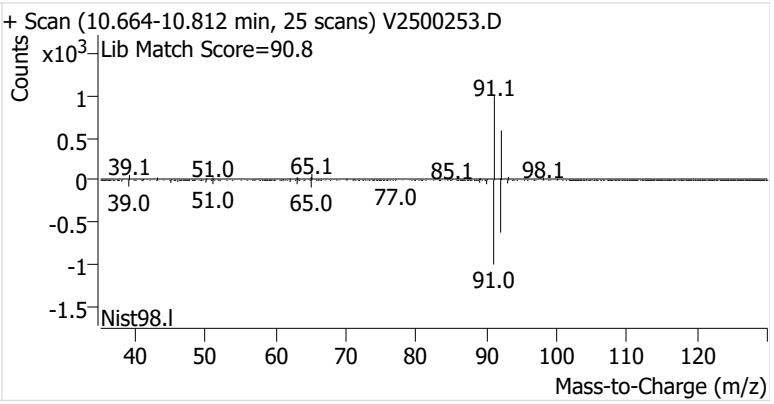
Toluene-d8 (IS)



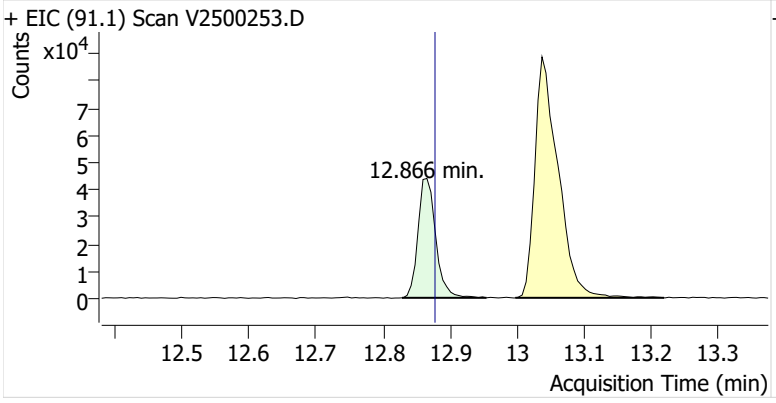


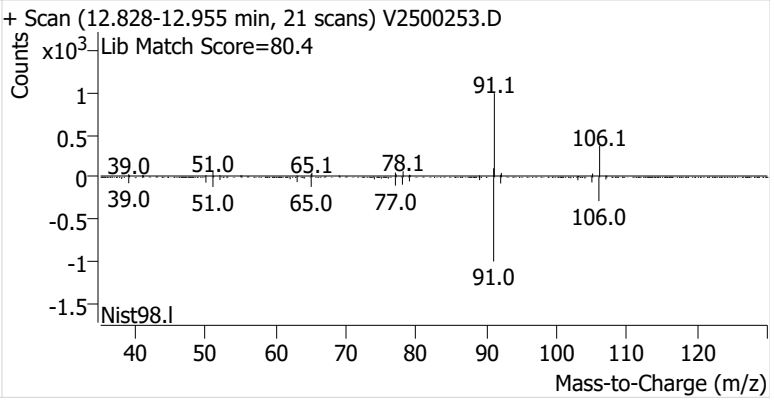
Toluene



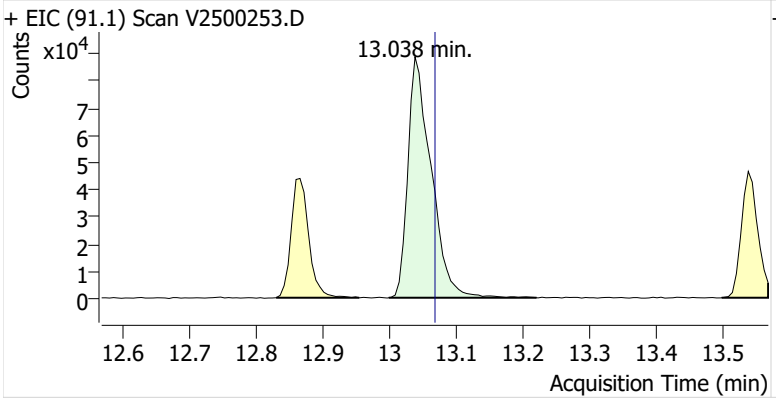


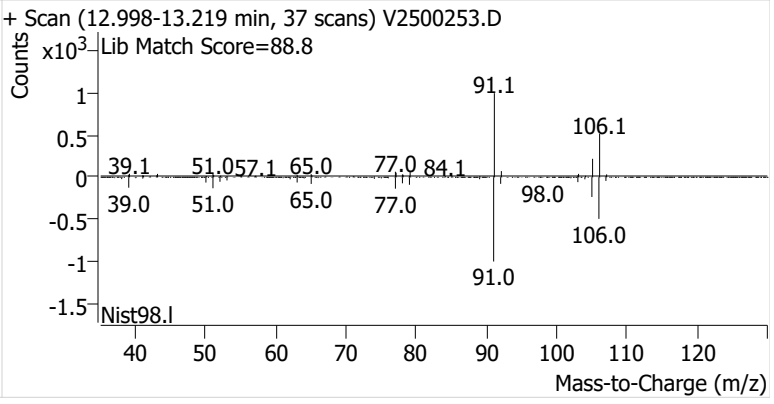
Ethylbenzene



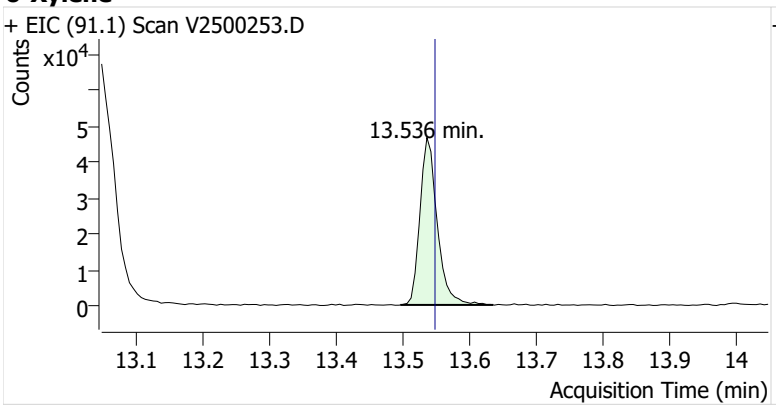


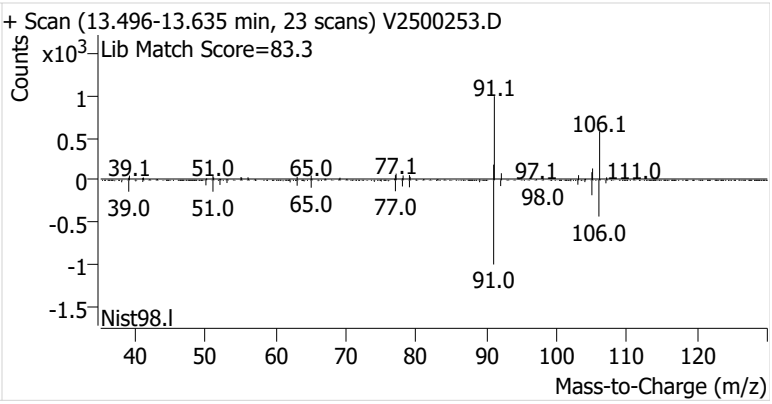
m-/p-Xylenes





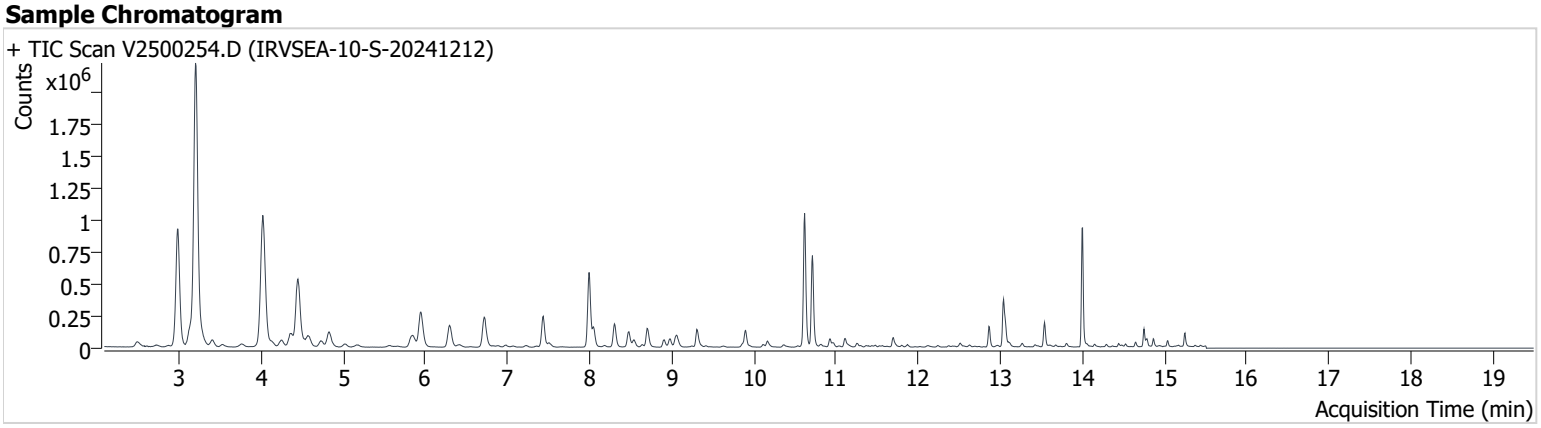
o-Xylene


+ EIC (91.1) Scan V2500253.D
Counts
x10^4
13.536 min.
Acquisition Time (min)


+ Scan (13.496-13.635 min, 23 scans) V2500253.D
Counts
x10^3
Lib Match Score=83.3
91.1
106.1
39.1
51.0
65.0
77.1
97.1
111.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

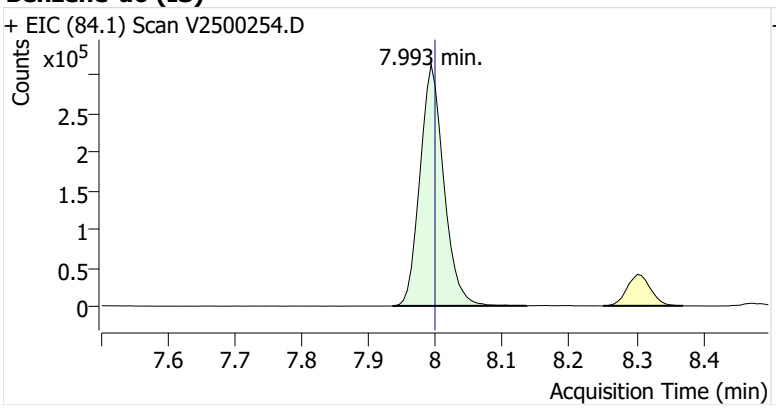
Name	IRVSEA-10-S-20241212
Comment	B30912
Data File	V2500254.D
Acq. Date-Time	1/14/2025 8:38:13 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

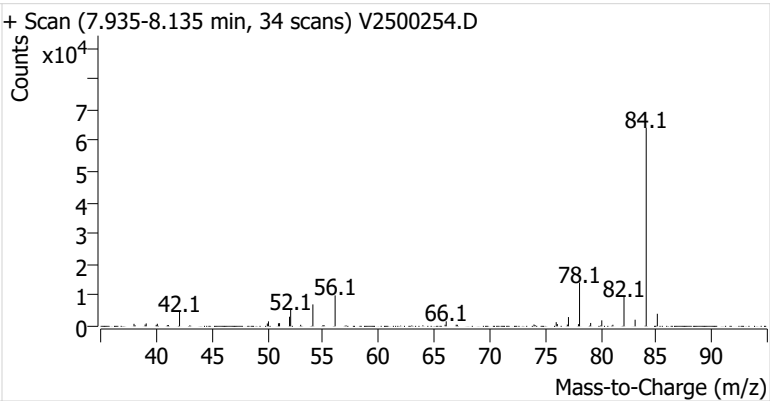
Sample Chromatogram



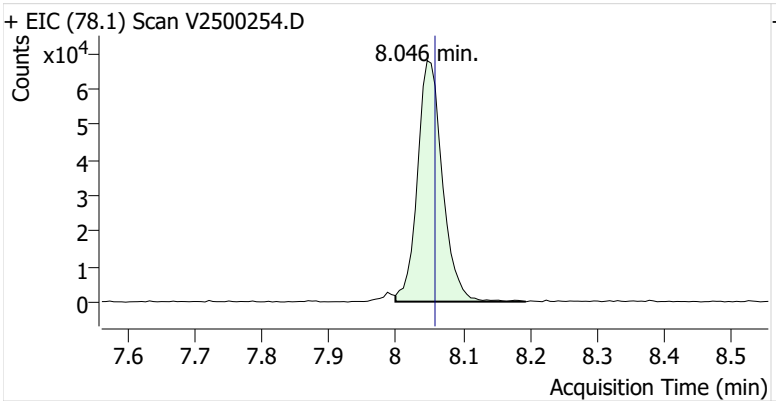
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	775,142	
Benzene	Benzene-d6 (IS)	8.046	8.058	176,404	
Toluene-d8 (IS)		10.616	10.628	834,733	
Toluene	Toluene-d8 (IS)	10.711	10.723	613,585	
Ethylbenzene	Toluene-d8 (IS)	12.860	12.878	124,052	
m-/p-Xylenes	Toluene-d8 (IS)	13.038	13.068	337,235	
o-Xylene	Toluene-d8 (IS)	13.537	13.548	130,064	

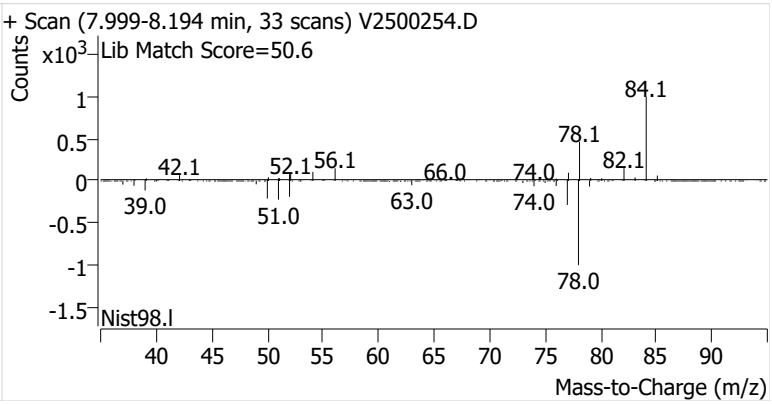
Benzene-d6 (IS)



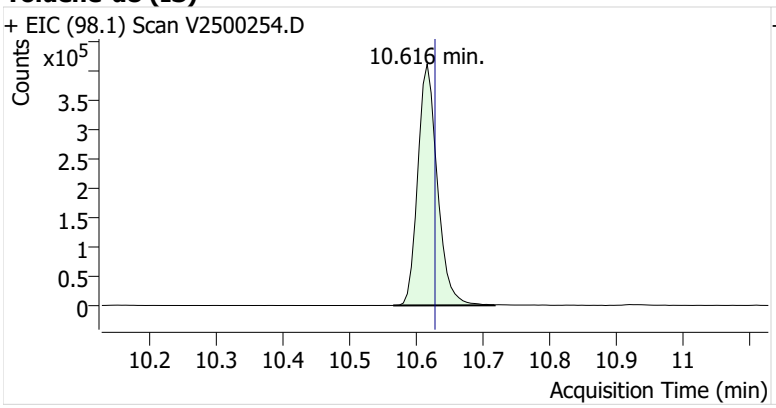


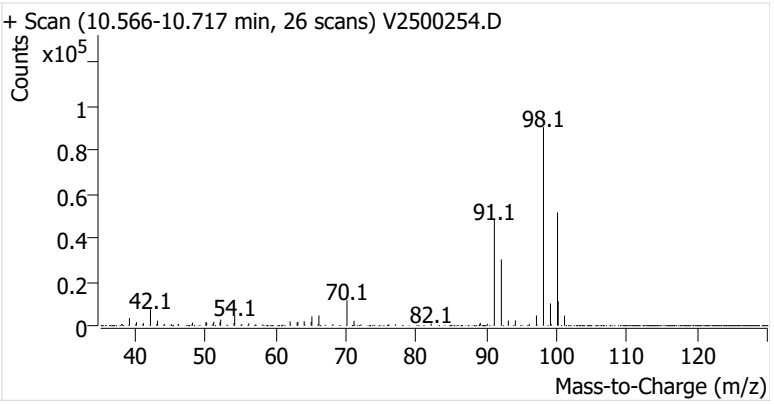
Benzene



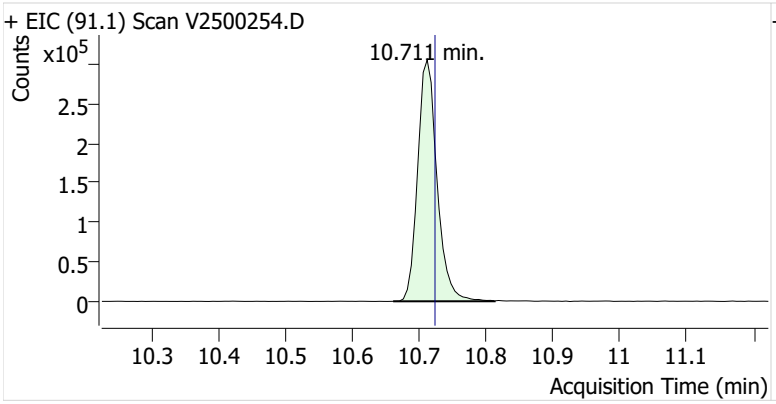


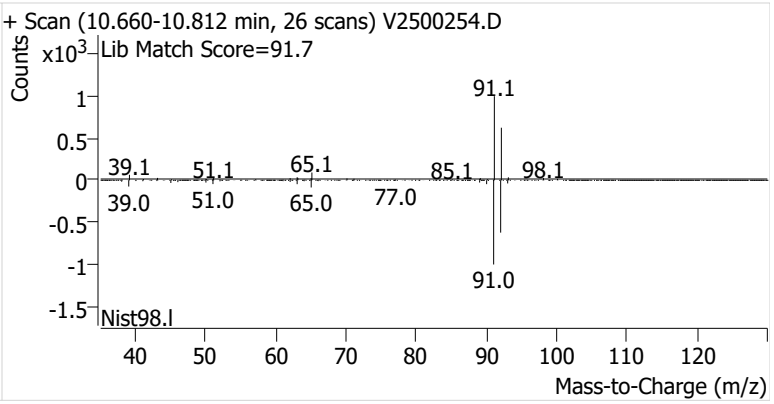
Toluene-d8 (IS)



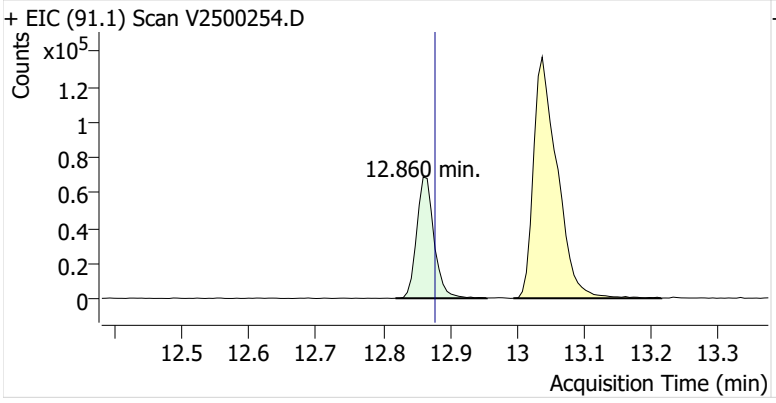


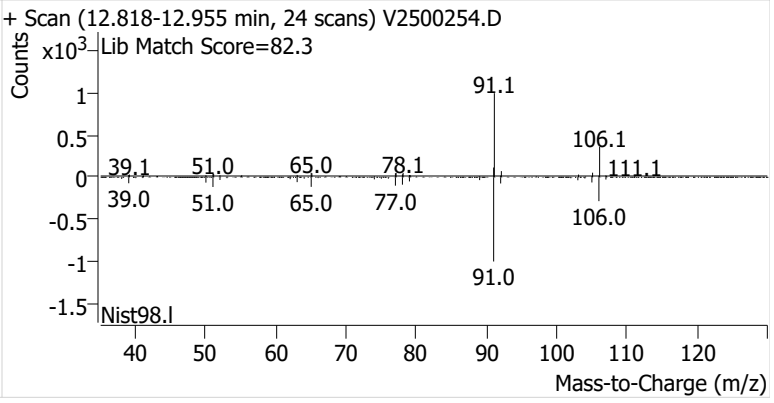
Toluene



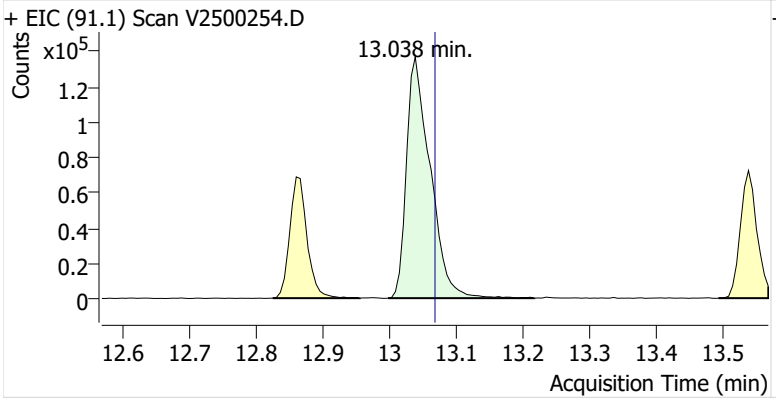


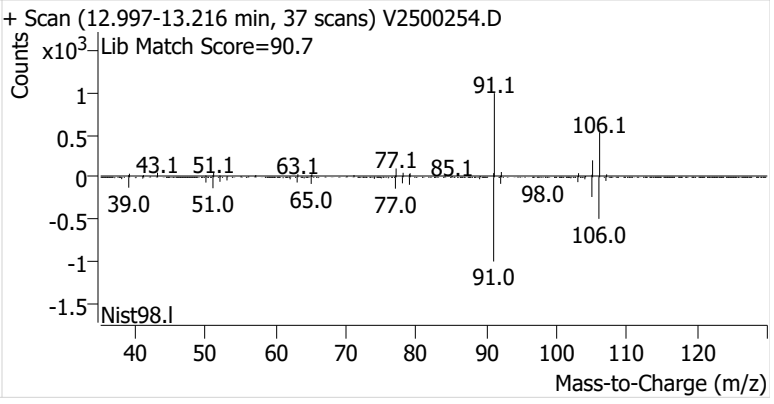
Ethylbenzene



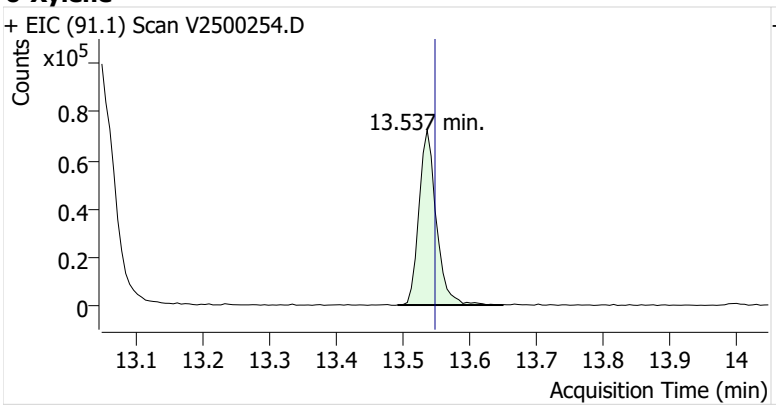


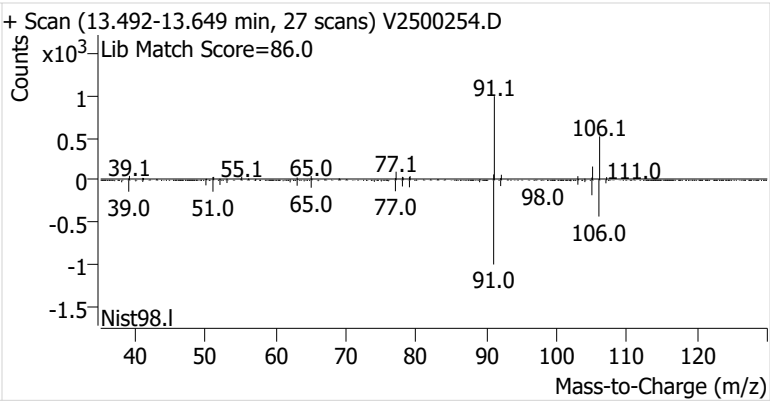
m-/p-Xylenes





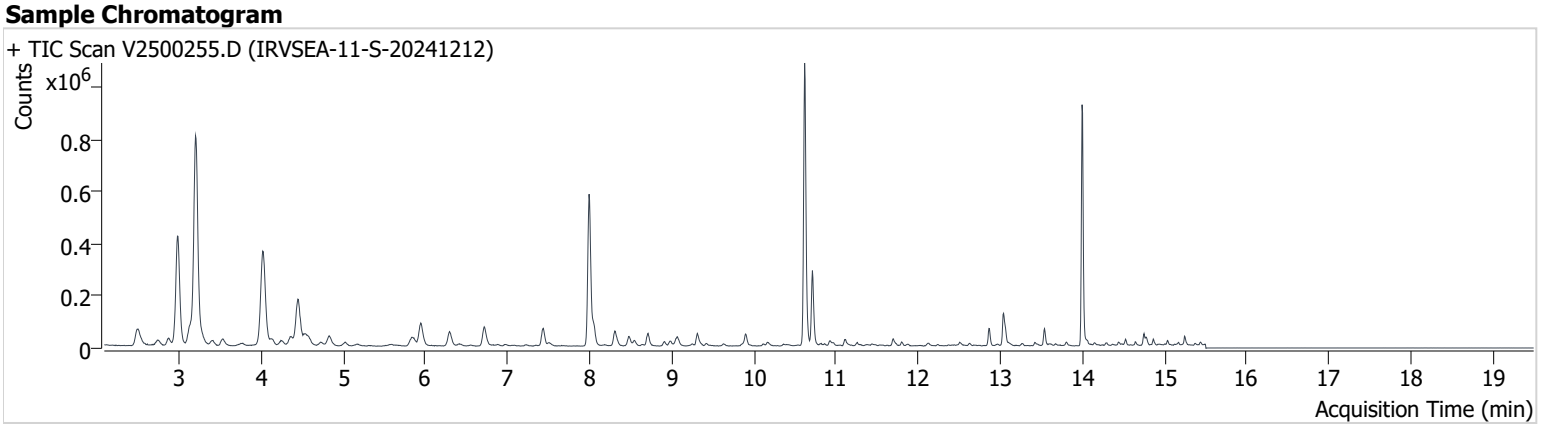
o-Xylene


+ EIC (91.1) Scan V2500254.D
Counts
x10^5
0.8
0.6
0.4
0.2
0
13.537 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.492-13.649 min, 27 scans) V2500254.D
Counts
x10^3
Lib Match Score=86.0
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.1
55.1
65.0
77.1
111.0
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

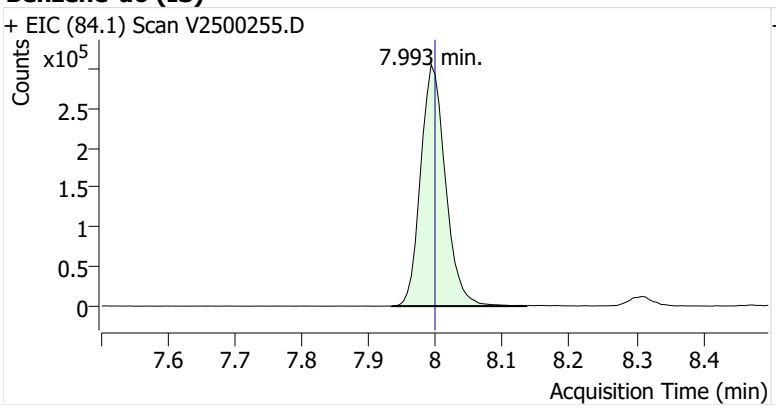
Name	IRVSEA-11-S-20241212
Comment	C36885
Data File	V2500255.D
Acq. Date-Time	1/14/2025 9:19:25 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

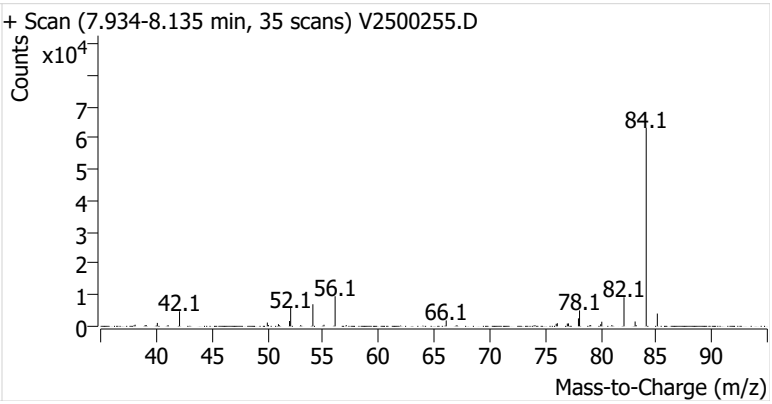
Sample Chromatogram



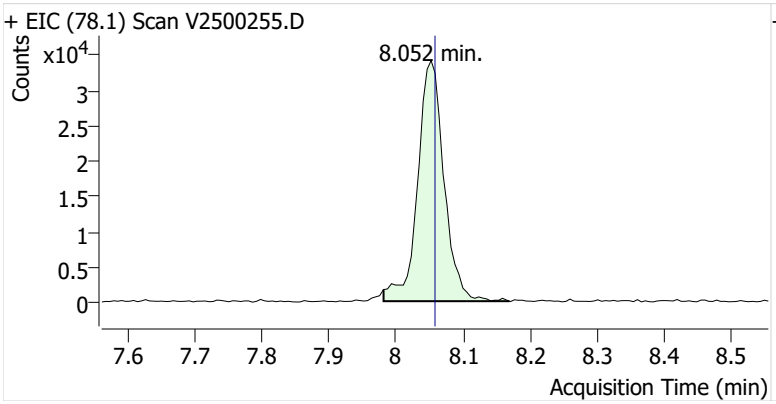
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	787,318	
Benzene	Benzene-d6 (IS)	8.052	8.058	93,675	
Toluene-d8 (IS)		10.616	10.628	852,389	
Toluene	Toluene-d8 (IS)	10.711	10.723	237,793	
Ethylbenzene	Toluene-d8 (IS)	12.860	12.878	52,917	
m-/p-Xylenes	Toluene-d8 (IS)	13.038	13.068	115,092	
o-Xylene	Toluene-d8 (IS)	13.531	13.548	43,208	

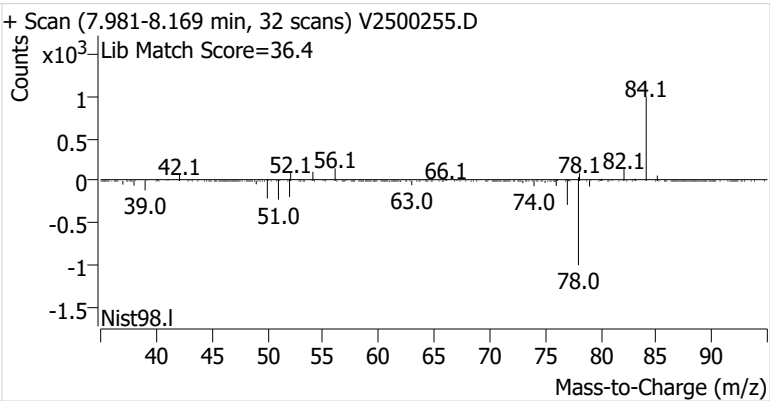
Benzene-d6 (IS)



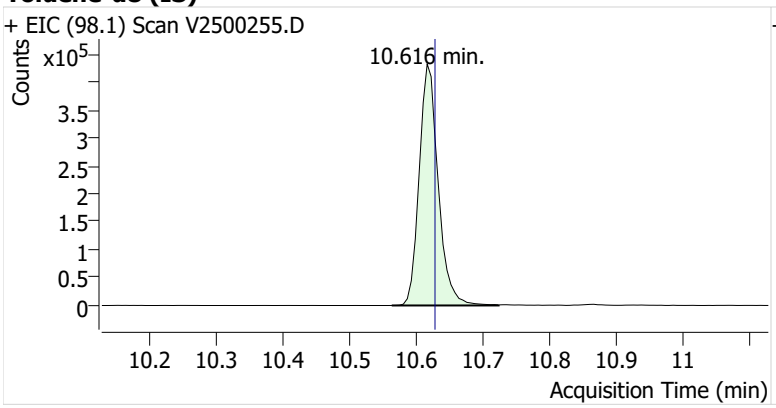


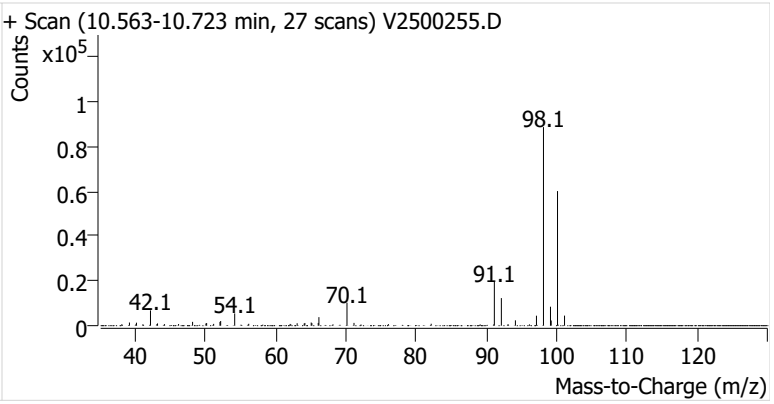
Benzene



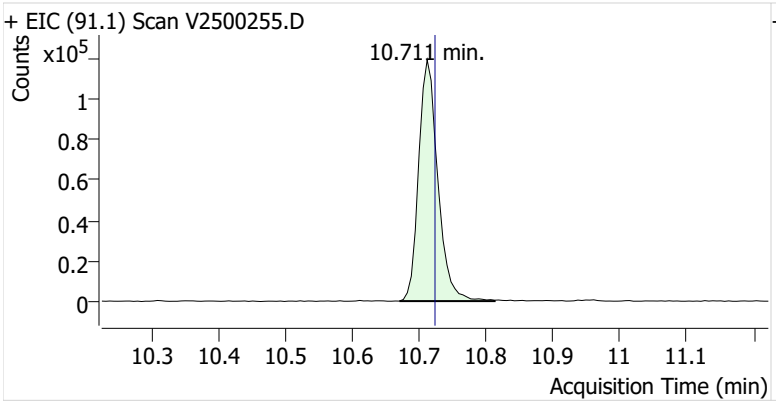


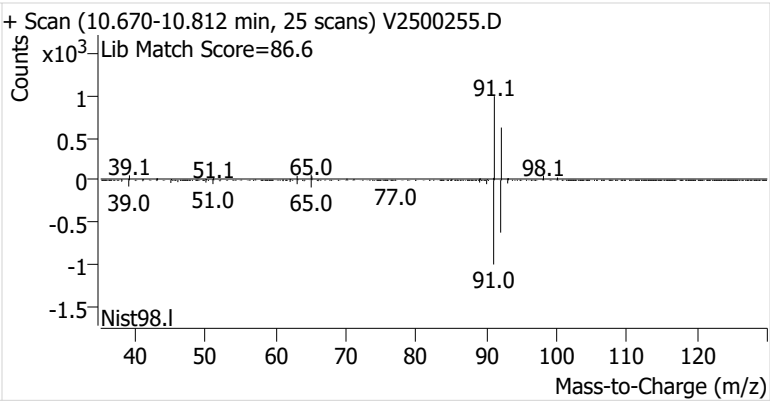
Toluene-d8 (IS)



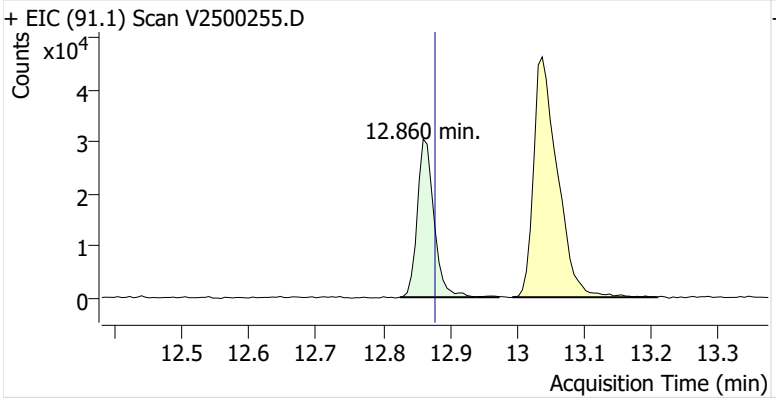


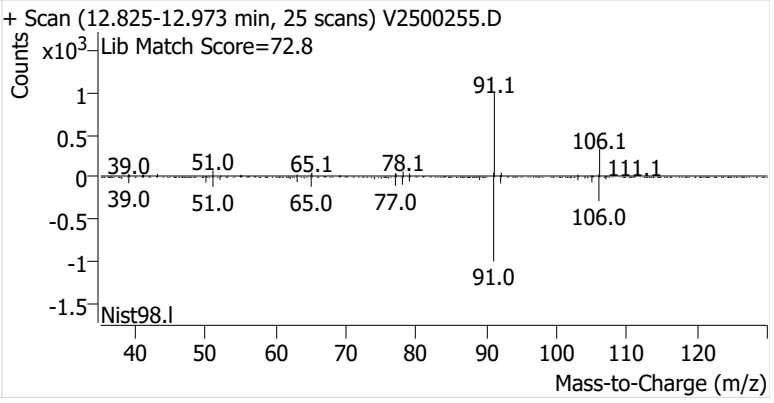
Toluene



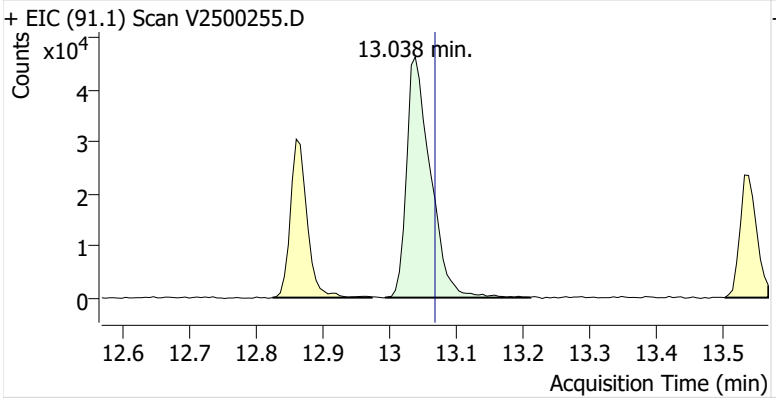


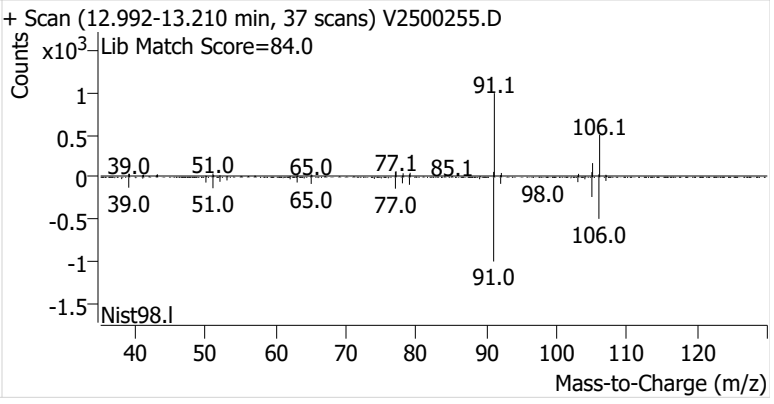
Ethylbenzene



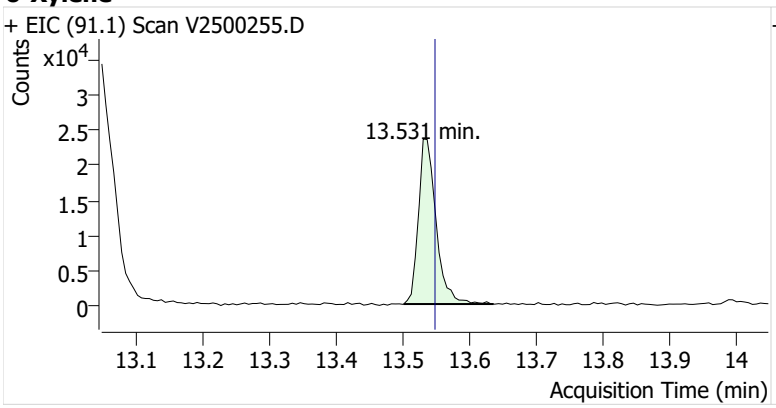


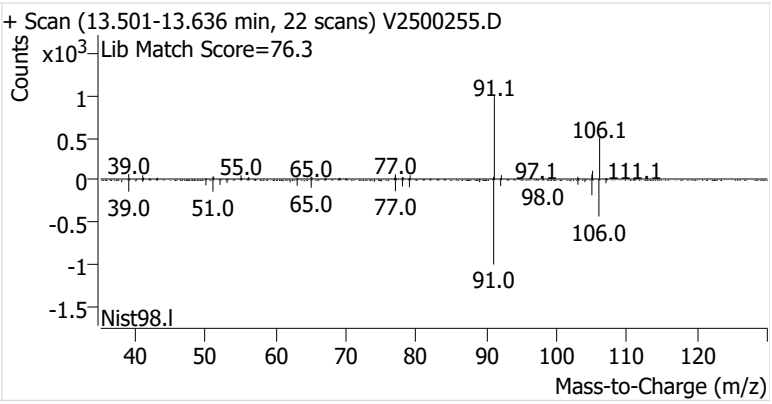
m-/p-Xylenes





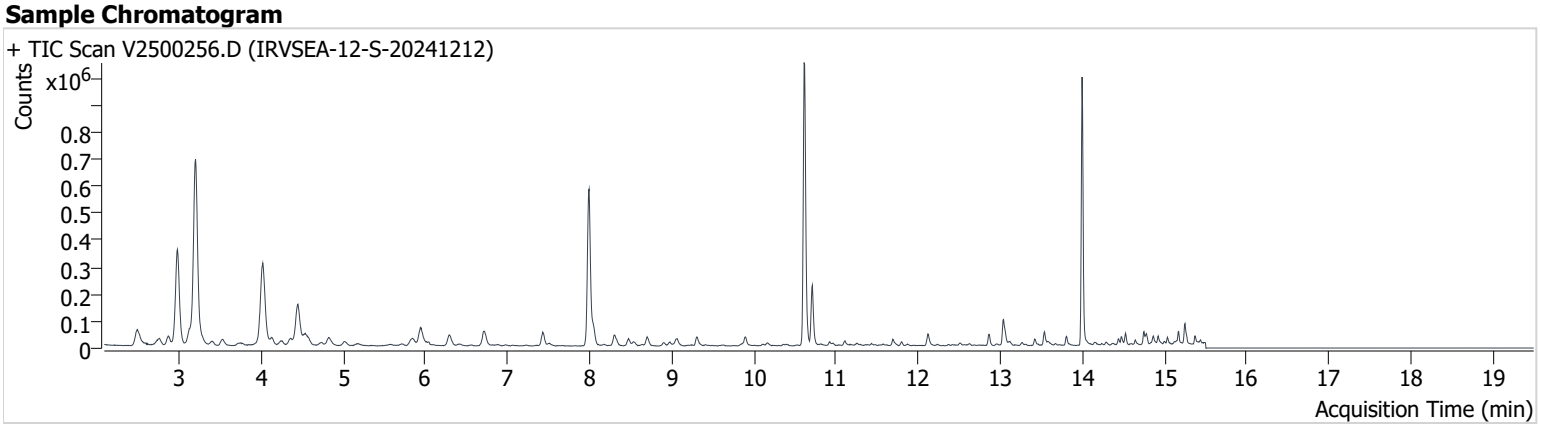
o-Xylene


+ EIC (91.1) Scan V2500255.D
Counts
x10^4
3
2.5
2
1.5
1
0.5
0
13.531 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.501-13.636 min, 22 scans) V2500255.D
Counts
x10^3
Lib Match Score=76.3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
39.0
55.0
65.0
77.0
97.1
111.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

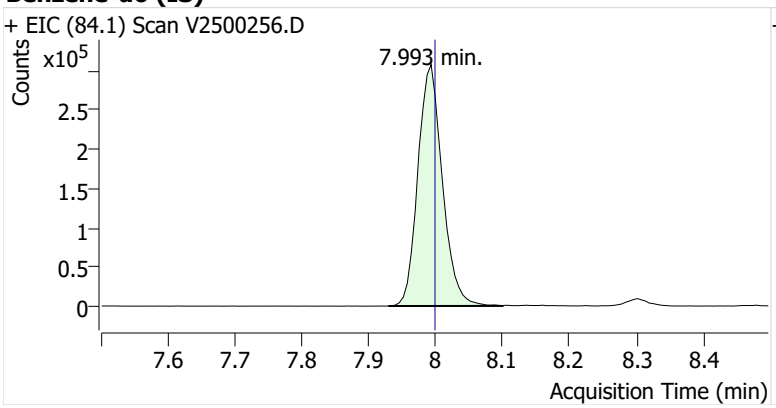
Name	IRVSEA-12-S-20241212
Comment	C43701
Data File	V2500256.D
Acq. Date-Time	1/14/2025 10:00:38 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

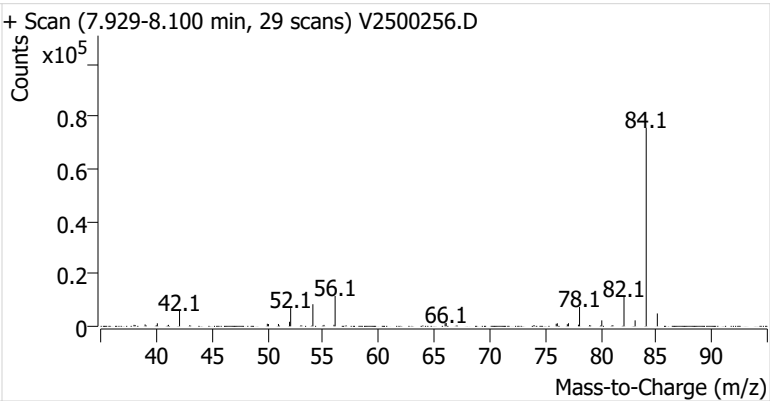
Sample Chromatogram



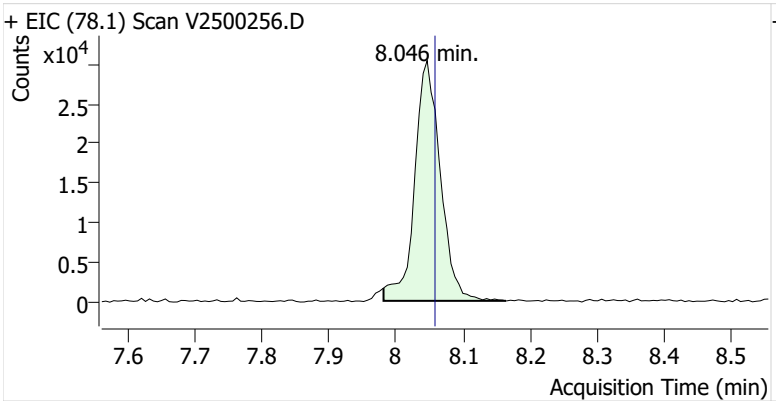
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	780,944	
Benzene	Benzene-d6 (IS)	8.046	8.058	81,116	
Toluene-d8 (IS)		10.610	10.628	850,428	
Toluene	Toluene-d8 (IS)	10.711	10.723	189,638	
Ethylbenzene	Toluene-d8 (IS)	12.860	12.878	33,301	
m-/p-Xylenes	Toluene-d8 (IS)	13.038	13.068	86,309	
o-Xylene	Toluene-d8 (IS)	13.537	13.548	33,086	

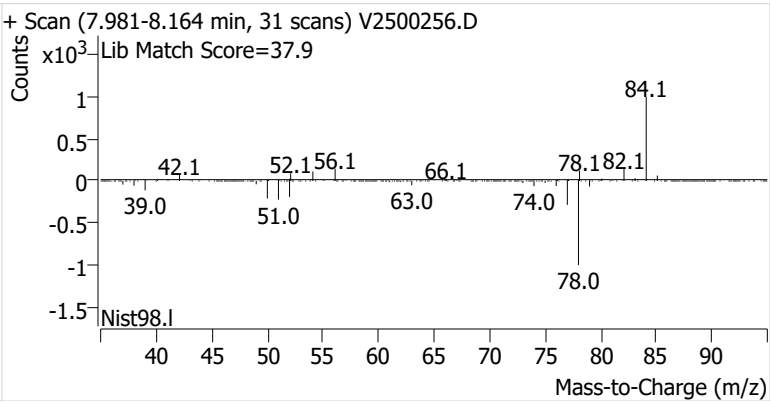
Benzene-d6 (IS)



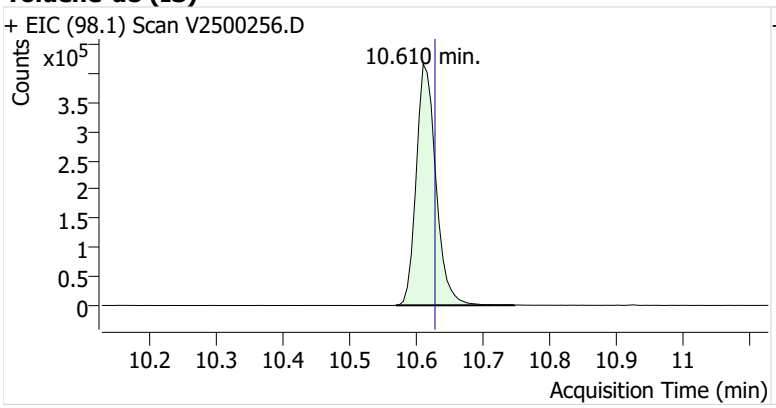


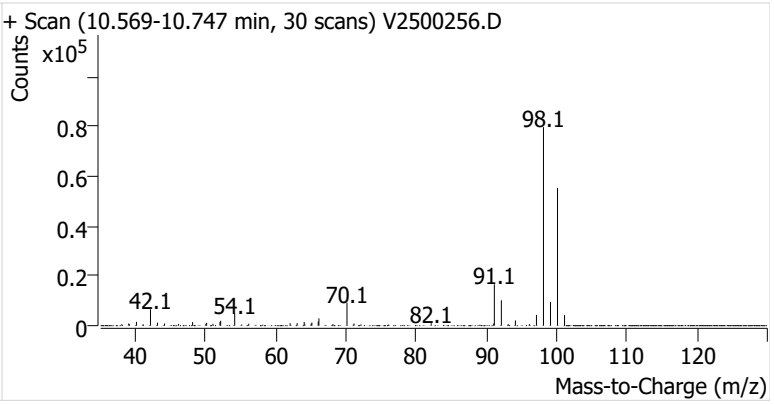
Benzene



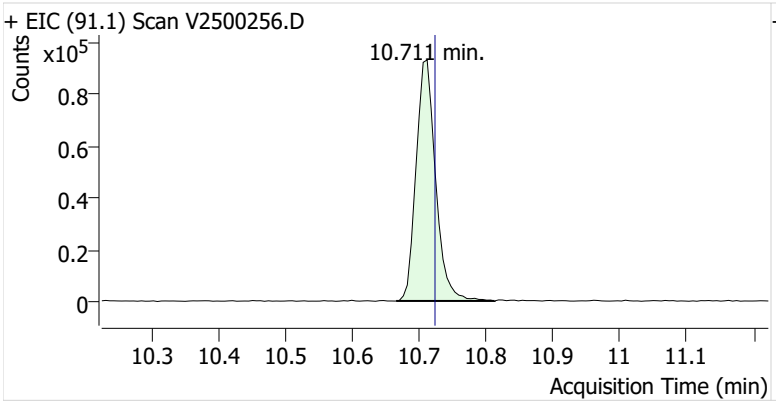


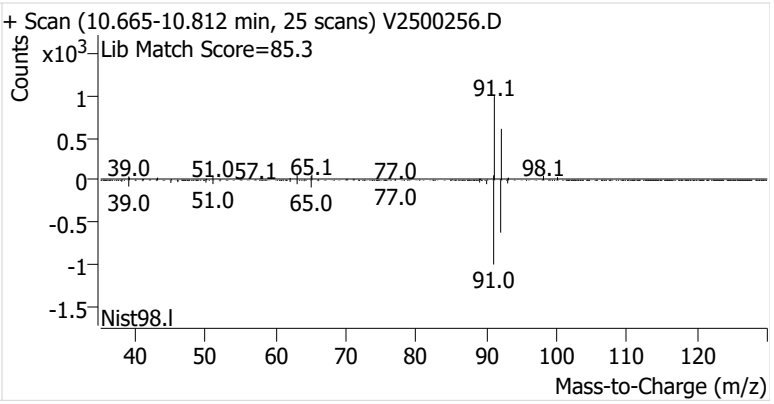
Toluene-d8 (IS)



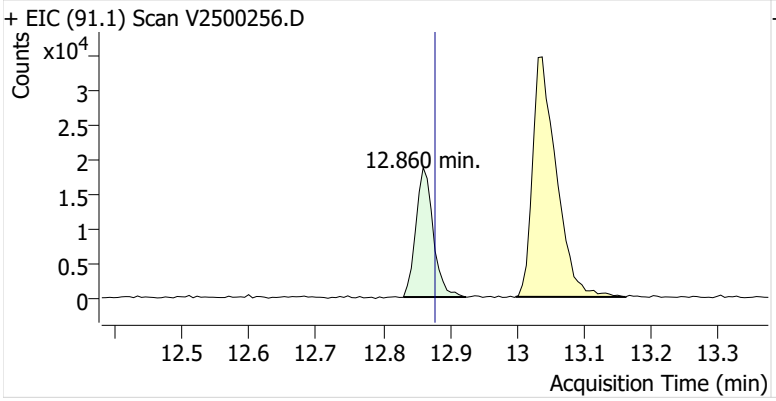


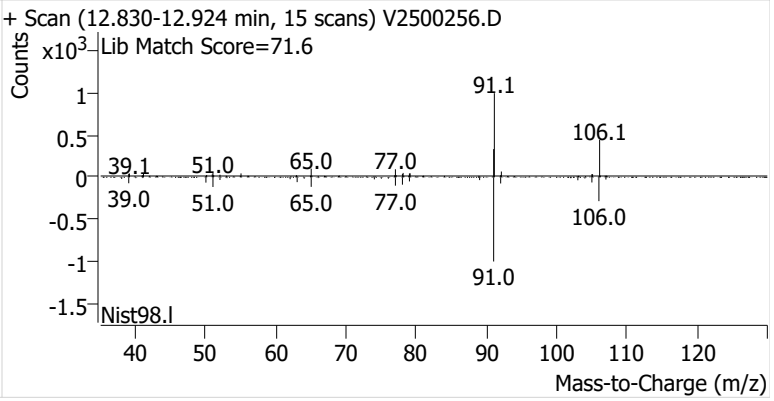
Toluene



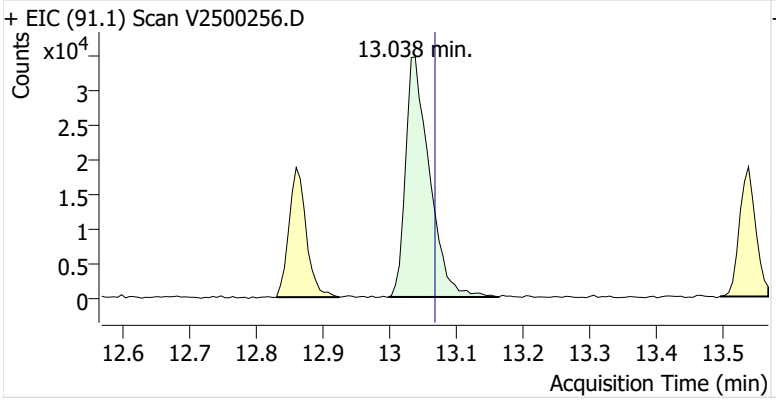


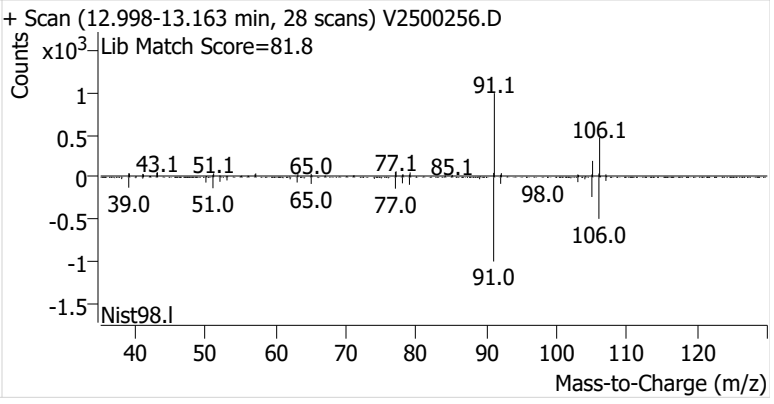
Ethylbenzene



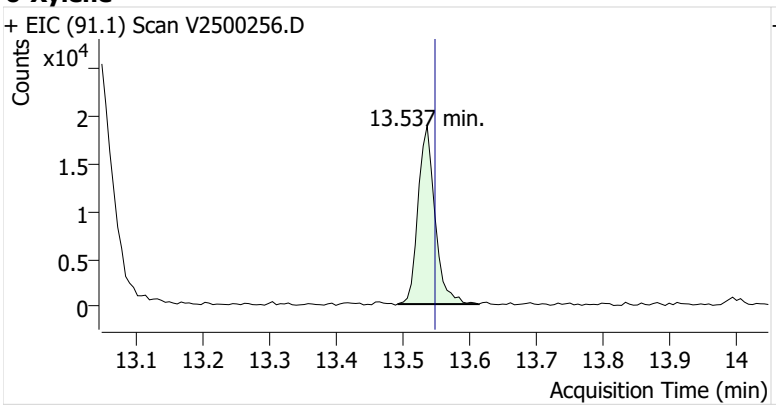


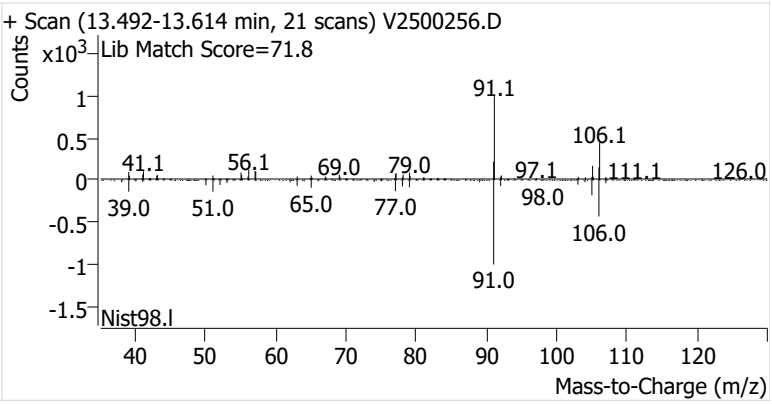
m-/p-Xylenes





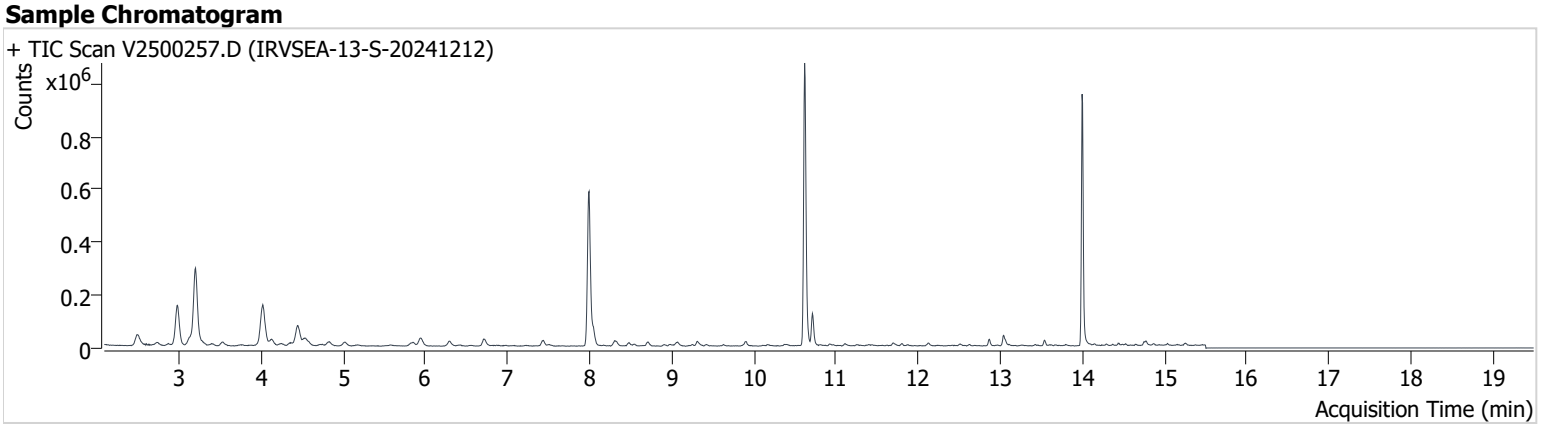
o-Xylene


+ EIC (91.1) Scan V2500256.D
Counts
x10^4
2
1.5
1
0.5
0
13.537 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.492-13.614 min, 21 scans) V2500256.D
Lib Match Score=71.8
Counts
x10^3
1
0.5
0
-0.5
-1
-1.5
91.1
106.1
41.1
56.1
69.0
79.0
97.1
111.1
126.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

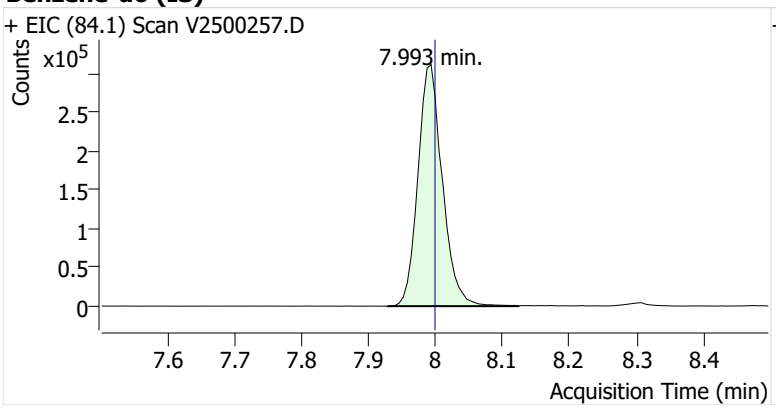
Name	IRVSEA-13-S-20241212
Comment	B38439
Data File	V2500257.D
Acq. Date-Time	1/14/2025 10:42:25 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

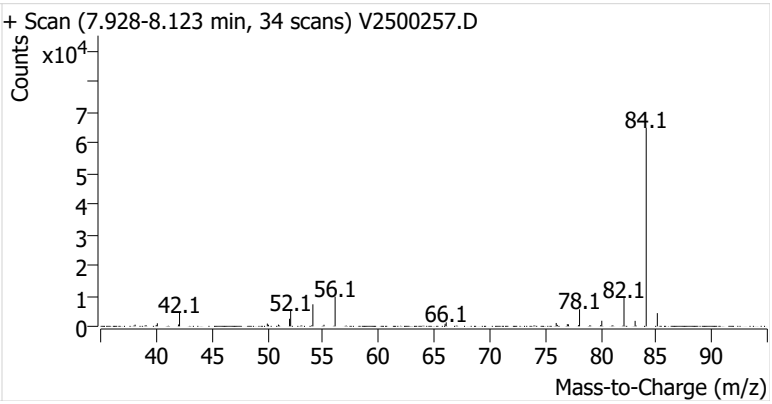
Sample Chromatogram



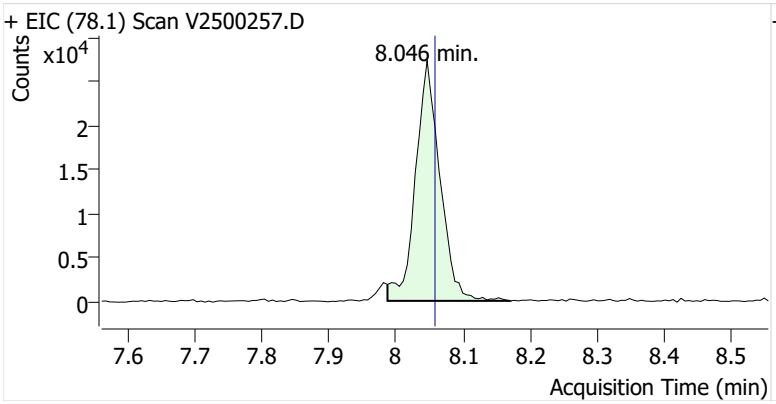
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	788,317	
Benzene	Benzene-d6 (IS)	8.046	8.058	69,462	
Toluene-d8 (IS)		10.616	10.628	866,673	
Toluene	Toluene-d8 (IS)	10.711	10.723	100,385	
Ethylbenzene	Toluene-d8 (IS)	12.866	12.878	18,939	
m-/p-Xylenes	Toluene-d8 (IS)	13.038	13.068	34,829	
o-Xylene	Toluene-d8 (IS)	13.537	13.548	14,155	

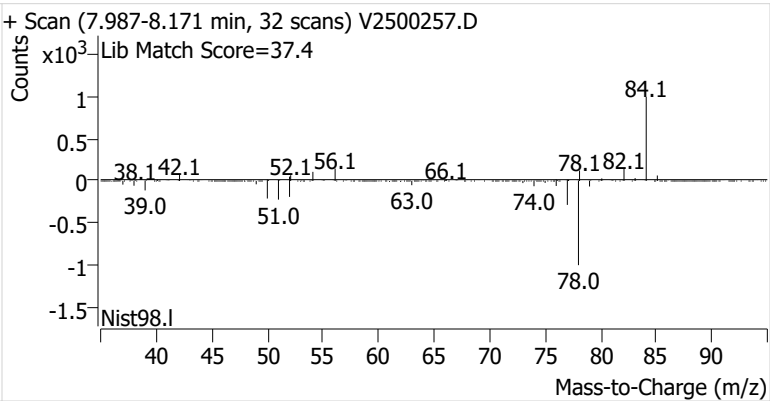
Benzene-d6 (IS)



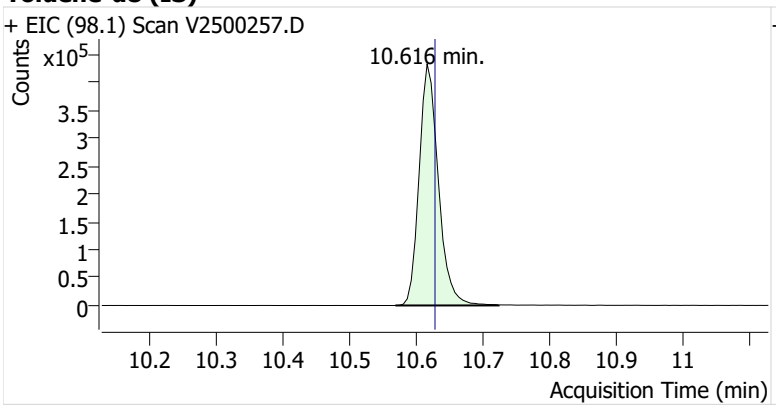


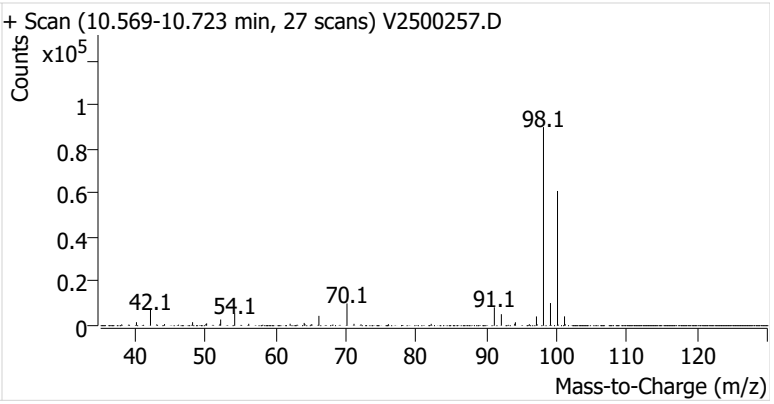
Benzene



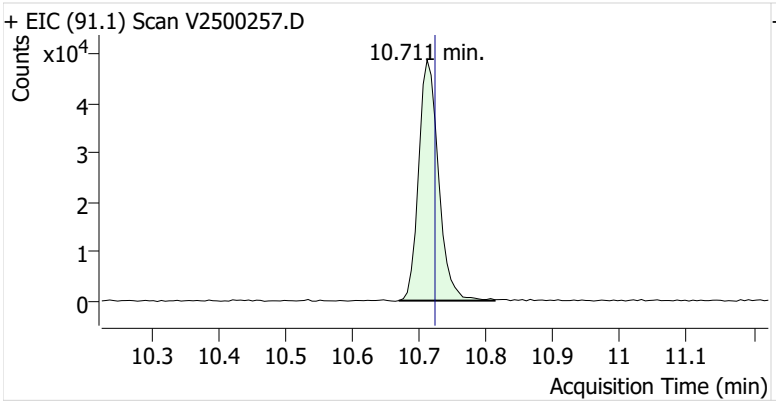


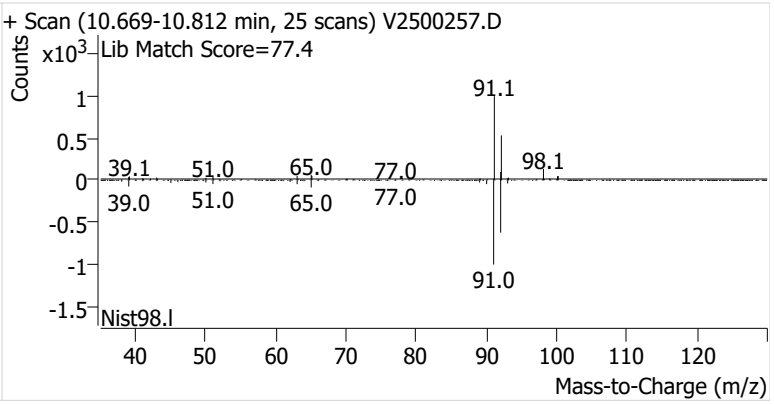
Toluene-d8 (IS)



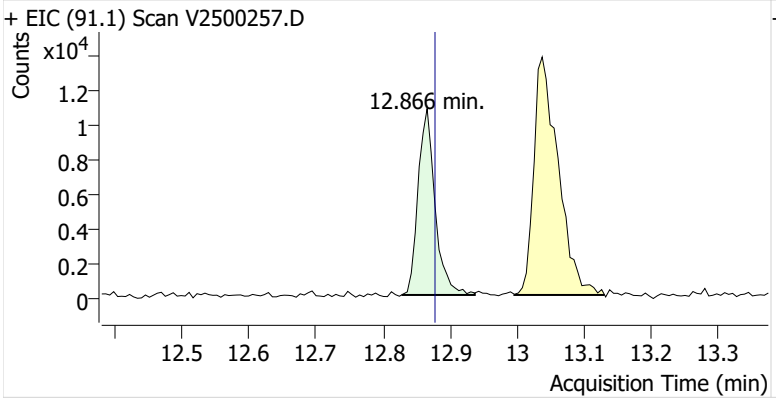


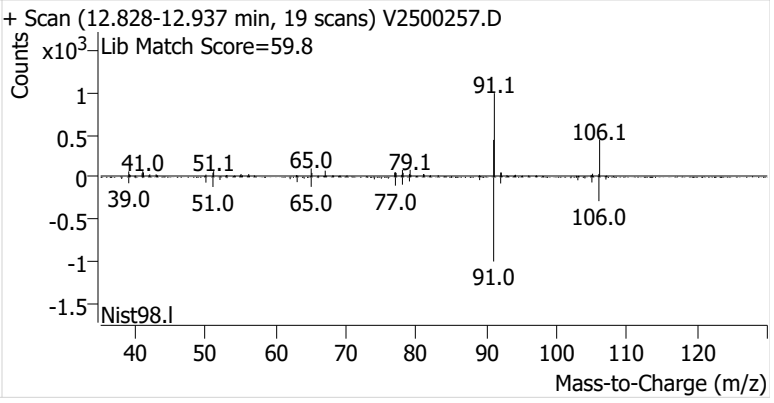
Toluene



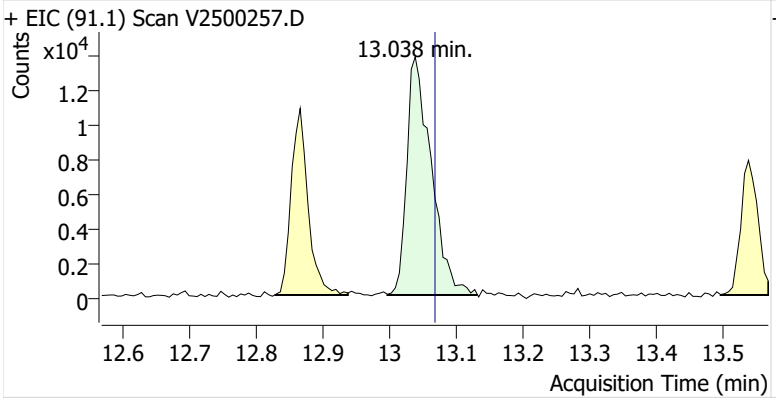


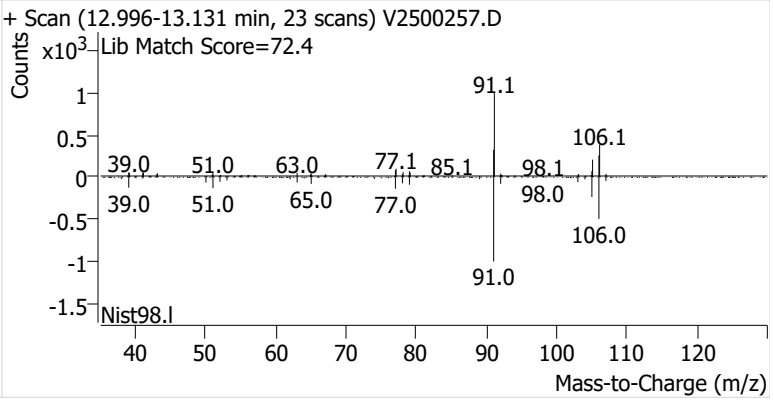
Ethylbenzene



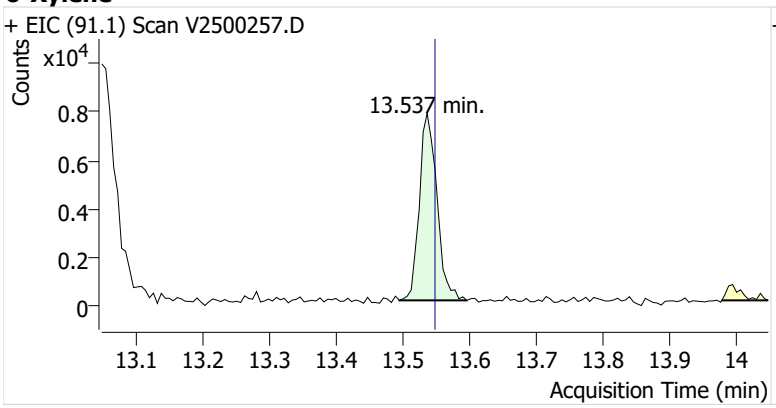


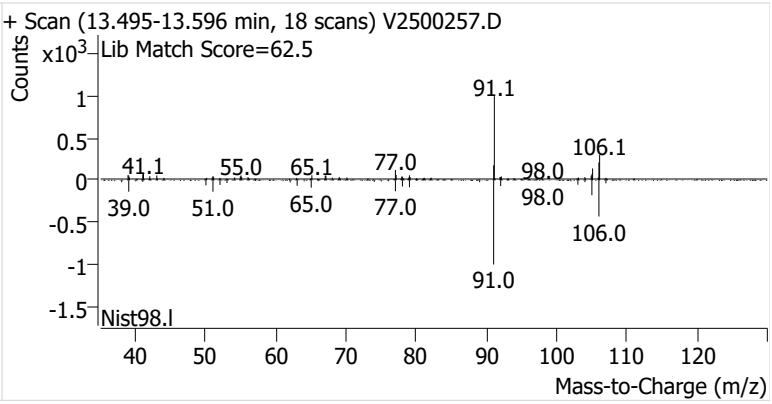
m-/p-Xylenes





o-Xylene


+ EIC (91.1) Scan V2500257.D
Counts
x10^4
0.8
0.6
0.4
0.2
0
13.537 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.495-13.596 min, 18 scans) V2500257.D
Counts
x10^3
Lib Match Score=62.5
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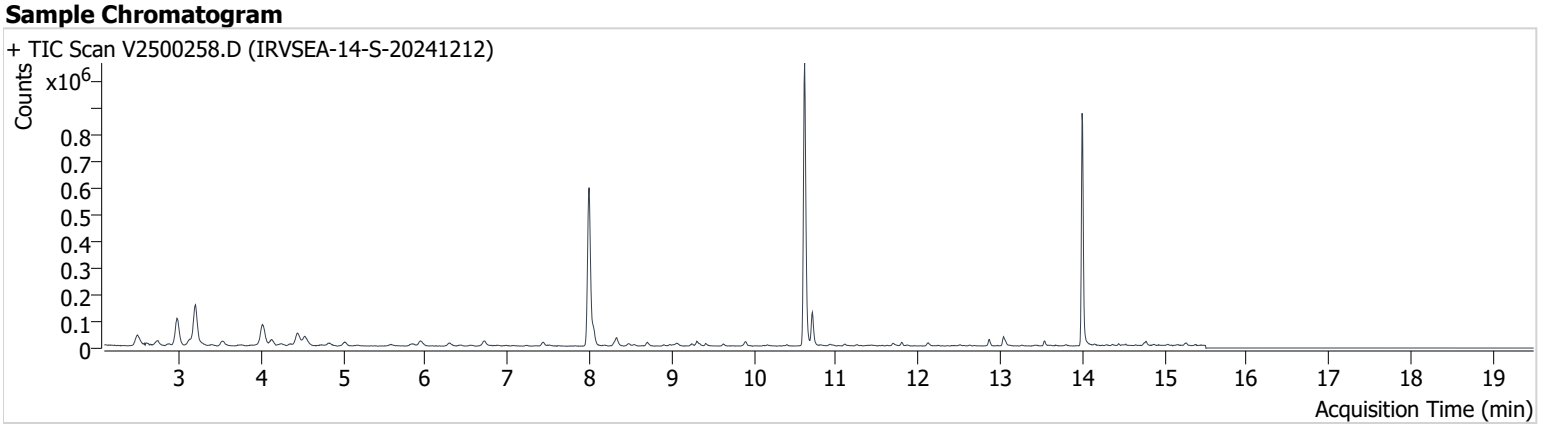
0.5
0
-0.5
-1
-1.5
91.1
41.1
55.0
65.1
77.0
98.0
106.1
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

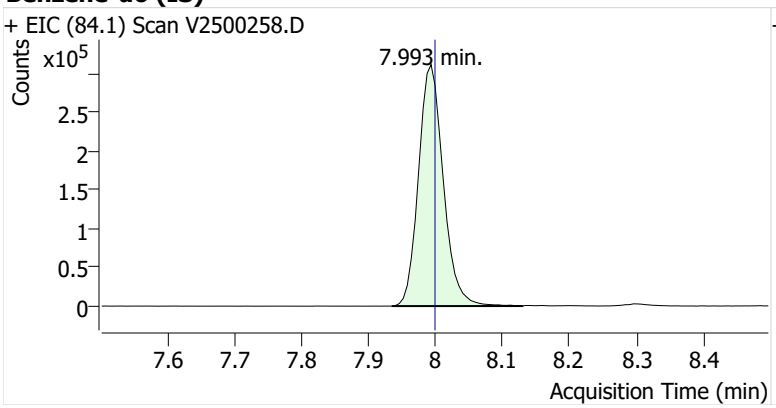
Name	IRVSEA-14-S-20241212
Comment	B16824
Data File	V2500258.D
Acq. Date-Time	1/14/2025 11:24:24 AM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

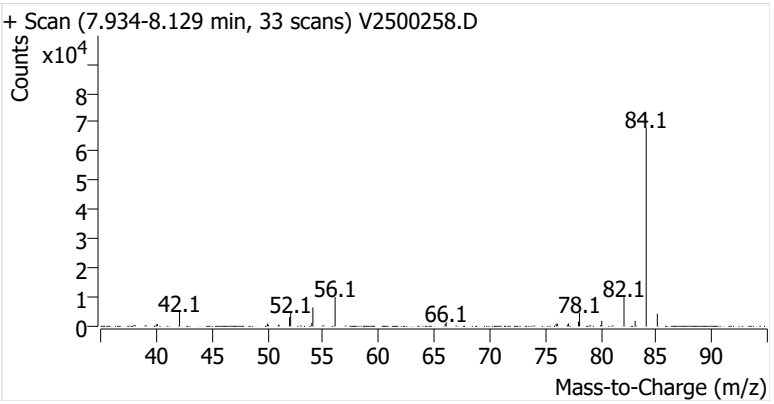
Sample Chromatogram



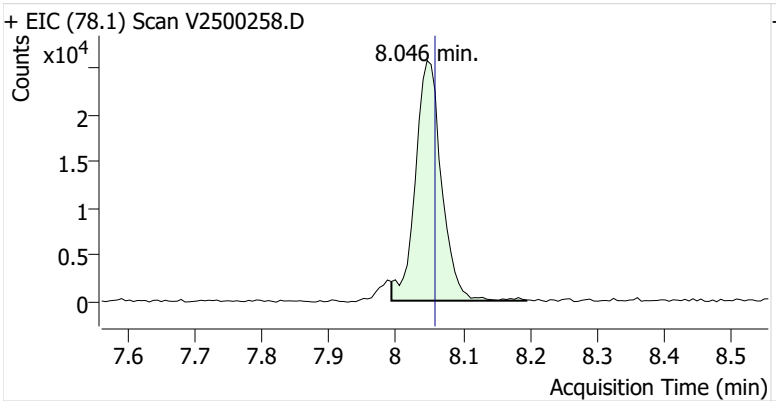
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	800,225	
Benzene	Benzene-d6 (IS)	8.046	8.058	70,211	
Toluene-d8 (IS)		10.616	10.628	852,349	
Toluene	Toluene-d8 (IS)	10.711	10.723	102,729	
Ethylbenzene	Toluene-d8 (IS)	12.866	12.878	18,515	
m-/p-Xylenes	Toluene-d8 (IS)	13.038	13.068	30,300	
o-Xylene	Toluene-d8 (IS)	13.537	13.548	12,023	

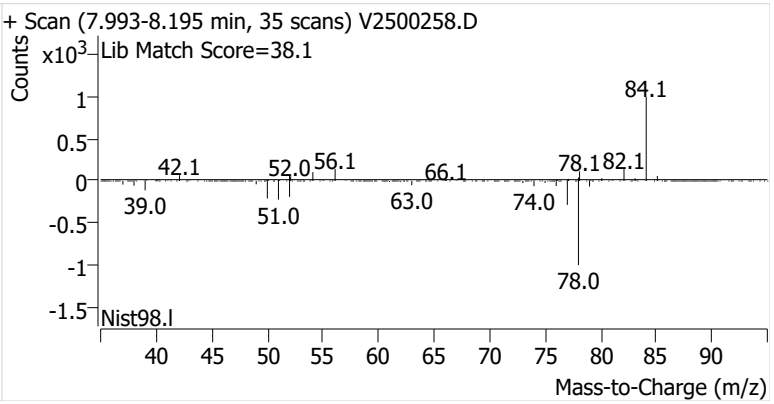
Benzene-d6 (IS)



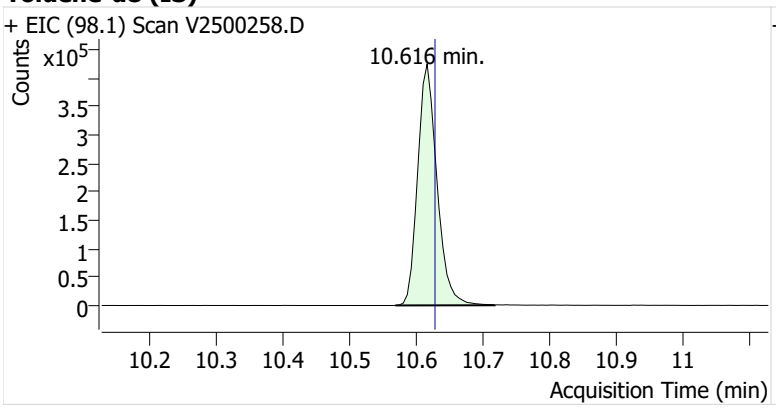


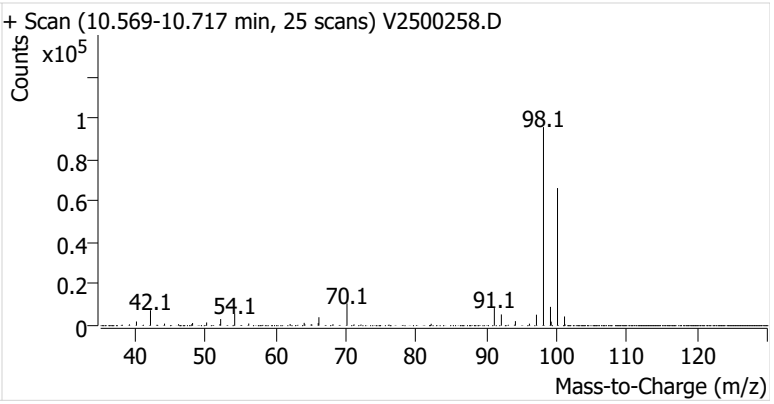
Benzene



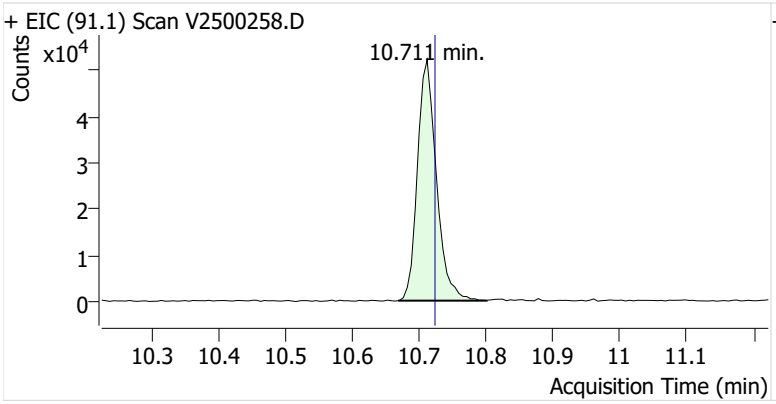


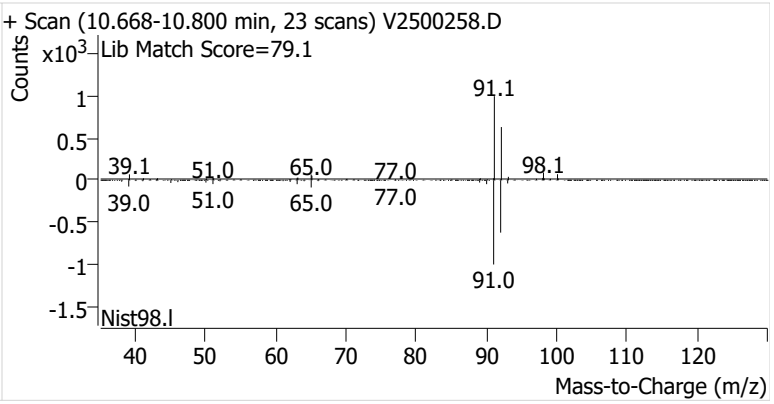
Toluene-d8 (IS)



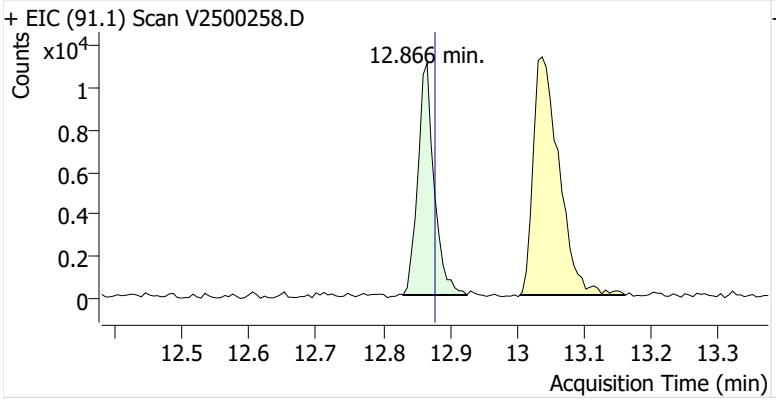


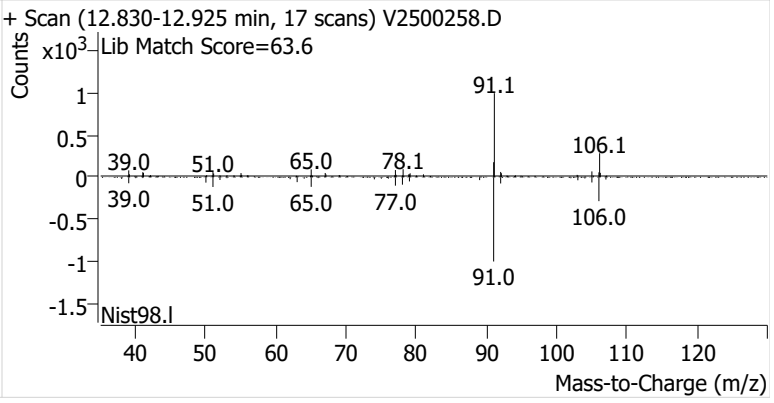
Toluene



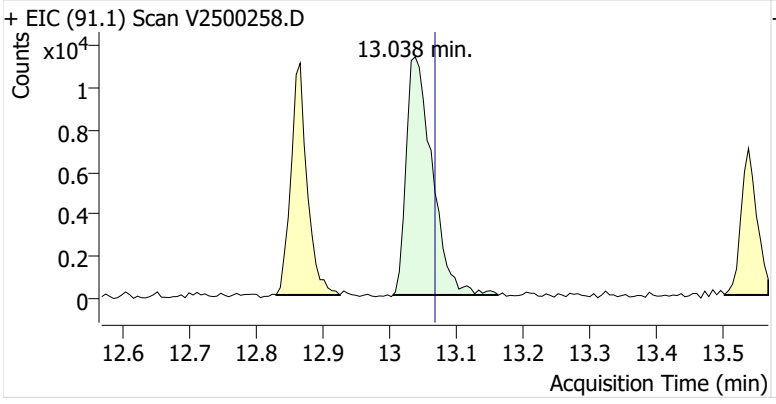


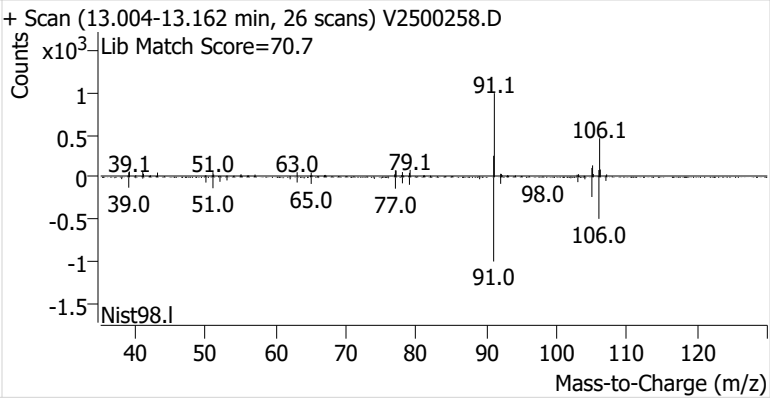
Ethylbenzene



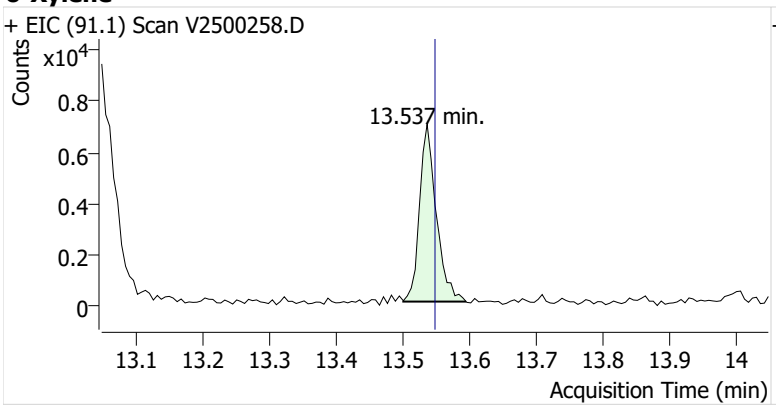


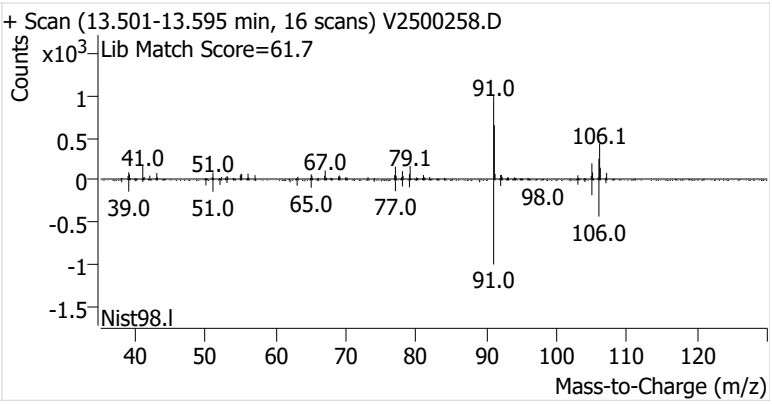
m-/p-Xylenes





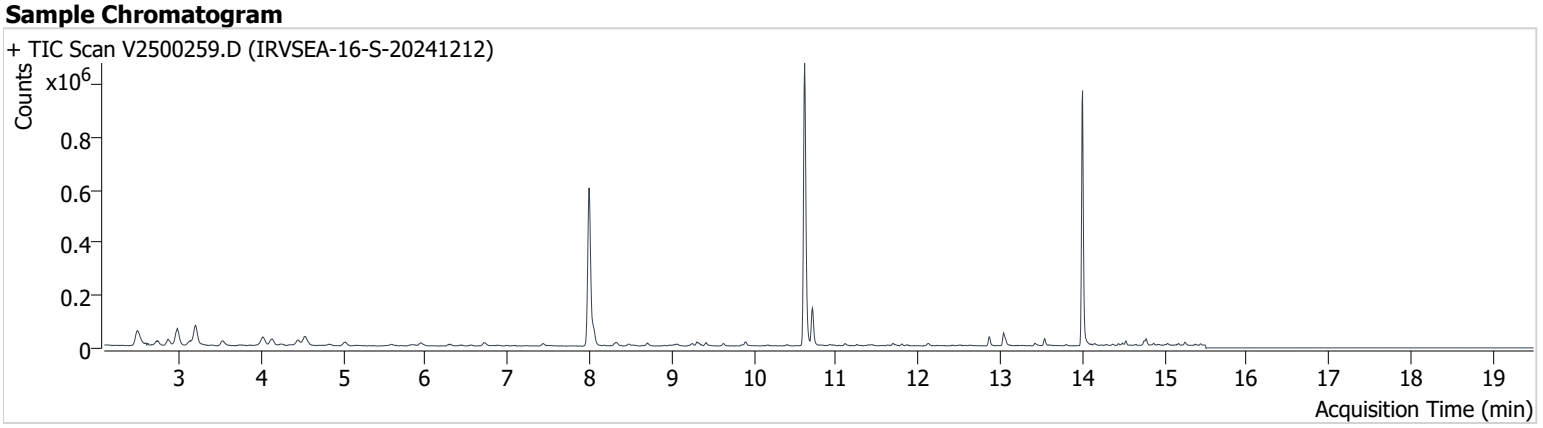
o-Xylene


+ EIC (91.1) Scan V2500258.D
Counts
x10^4
0.8
0.6
0.4
0.2
0
13.537 min.
13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14
Acquisition Time (min)


+ Scan (13.501-13.595 min, 16 scans) V2500258.D
Counts
x10^3
Lib Match Score=61.7
1
0.5
0
-0.5
-1
-1.5
91.0
106.1
41.0
51.0
67.0
79.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
40 50 60 70 80 90 100 110 120
Mass-to-Charge (m/z)

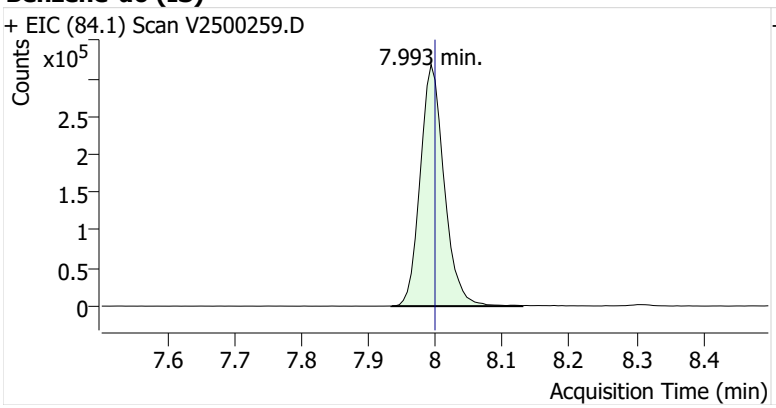
Name	IRVSEA-16-S-20241212
Comment	B30712
Data File	V2500259.D
Acq. Date-Time	1/14/2025 12:06:10 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

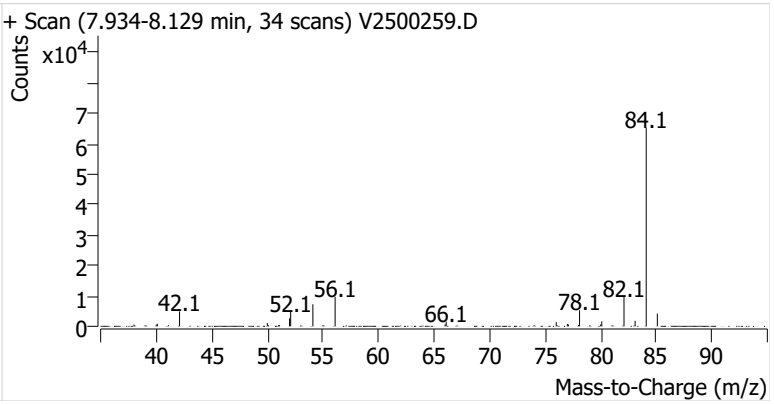
Sample Chromatogram



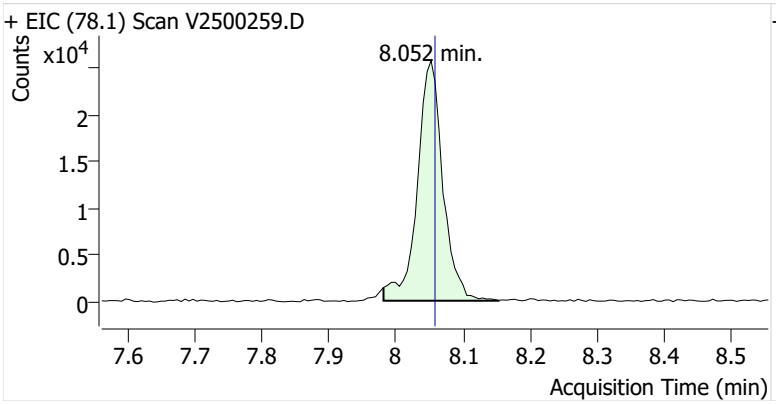
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	791,535	
Benzene	Benzene-d6 (IS)	8.052	8.058	67,982	
Toluene-d8 (IS)		10.616	10.628	861,651	
Toluene	Toluene-d8 (IS)	10.711	10.723	119,470	
Ethylbenzene	Toluene-d8 (IS)	12.860	12.878	27,312	
m-/p-Xylenes	Toluene-d8 (IS)	13.038	13.068	42,232	
o-Xylene	Toluene-d8 (IS)	13.537	13.548	17,556	

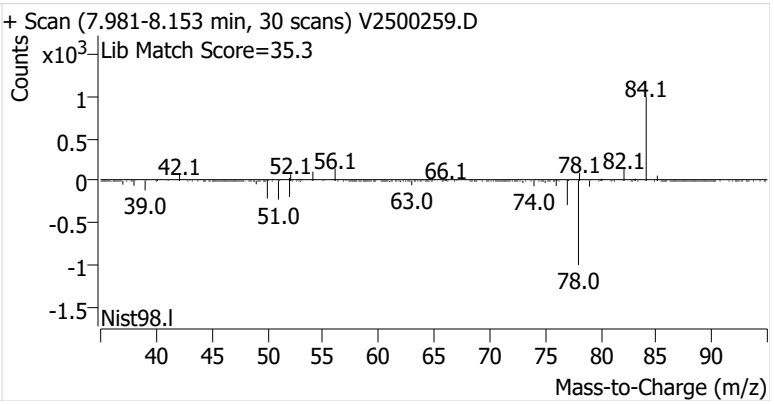
Benzene-d6 (IS)



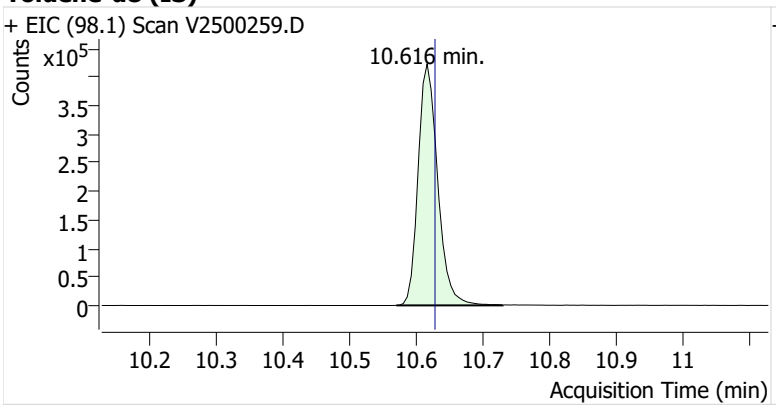


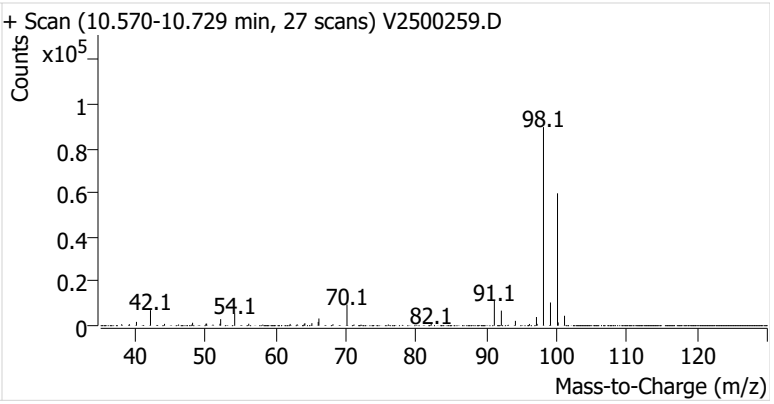
Benzene



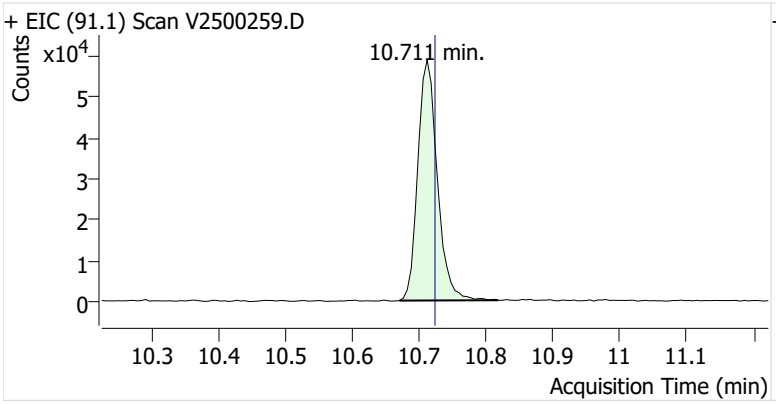


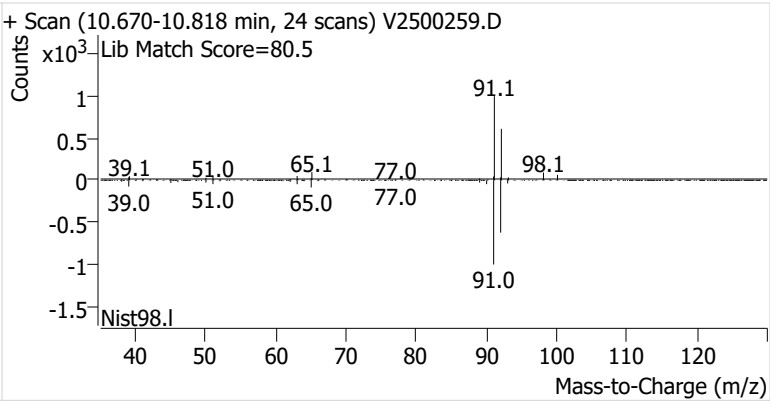
Toluene-d8 (IS)



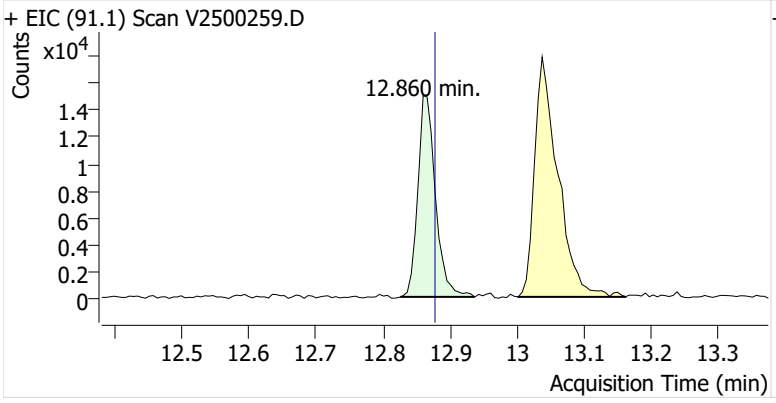


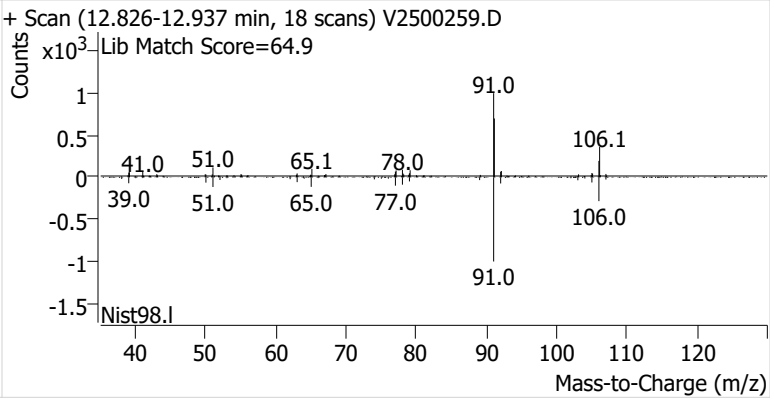
Toluene



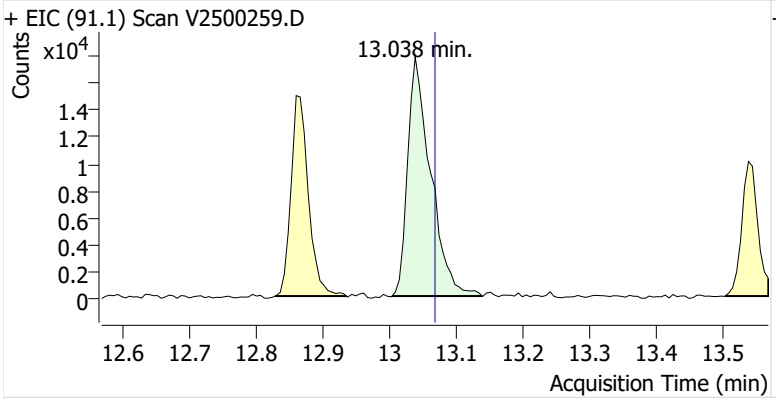


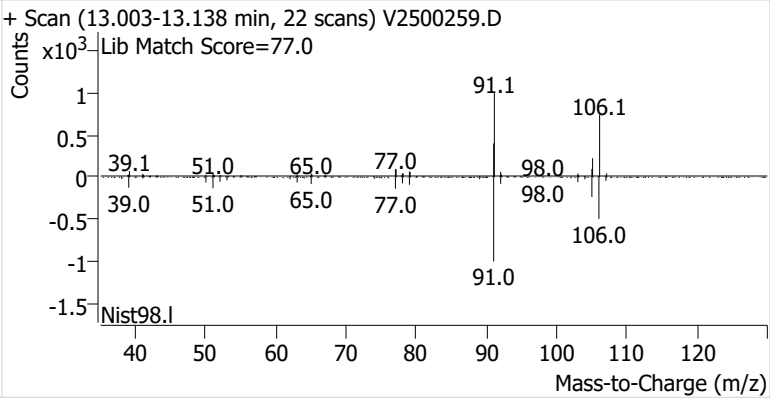
Ethylbenzene



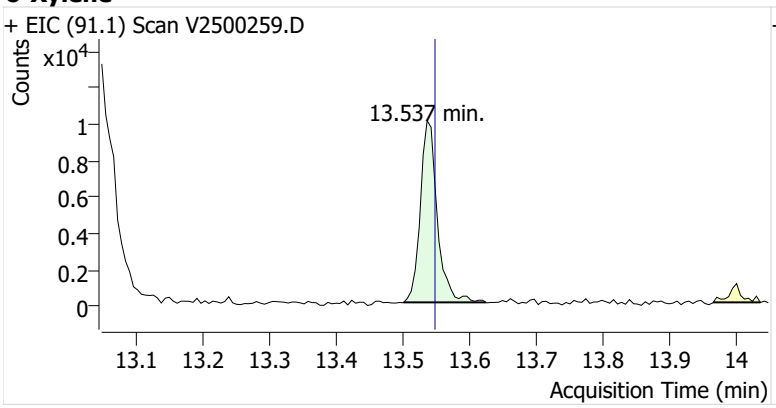


m-/p-Xylenes





o-Xylene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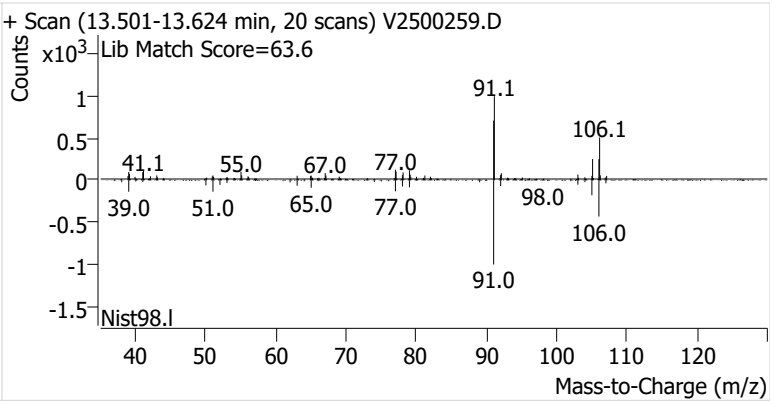
x10^4
13.537 min.
Acquisition Time (min)


+ Scan (13.501-13.624 min, 20 scans) V2500259.D
Counts
x10^3
Lib Match Score=63.6
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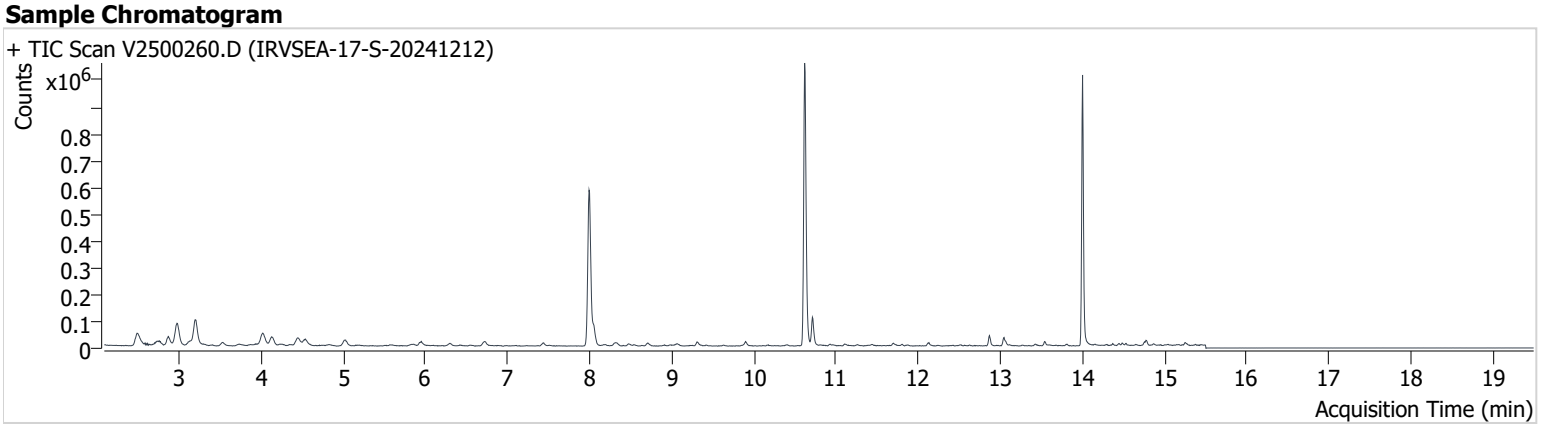
106.1
41.1
55.0
67.0
77.0
39.0
51.0
65.0
77.0
98.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

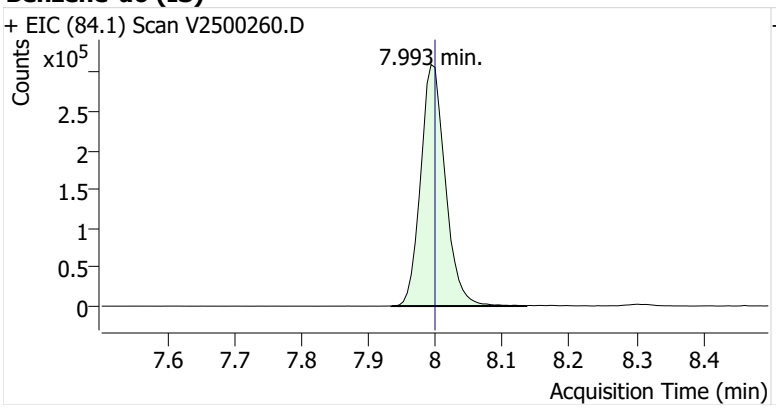
Name	IRVSEA-17-S-20241212
Comment	C01630
Data File	V2500260.D
Acq. Date-Time	1/14/2025 12:47:58 PM
Acq. Method File	M325B-TD35
Tube Sorbent	Carbopack X
Analyze Quant Version	12.1
Report Quant Version	12.1

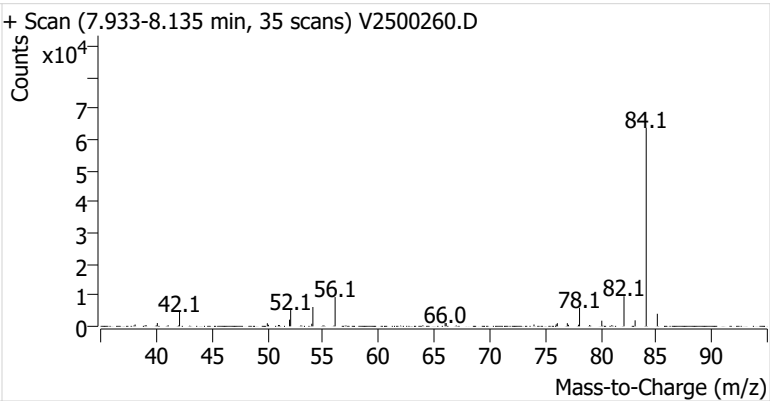
Sample Chromatogram



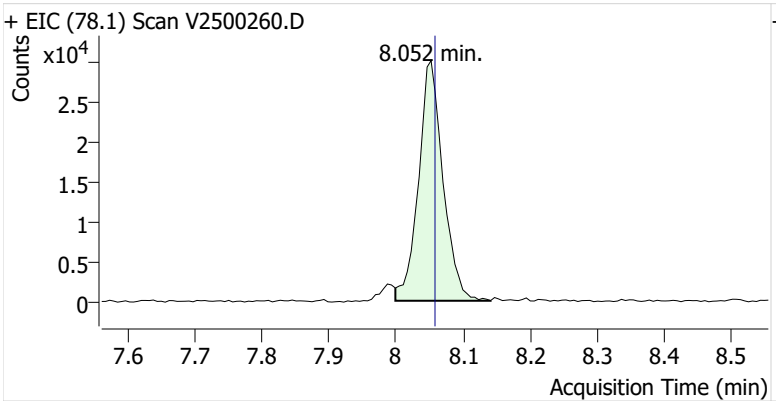
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		7.993	7.999	794,177	
Benzene	Benzene-d6 (IS)	8.052	8.058	75,972	
Toluene-d8 (IS)		10.616	10.628	847,900	
Toluene	Toluene-d8 (IS)	10.711	10.723	85,756	
Ethylbenzene	Toluene-d8 (IS)	12.866	12.878	30,155	
m-/p-Xylenes	Toluene-d8 (IS)	13.044	13.068	25,595	
o-Xylene	Toluene-d8 (IS)	13.536	13.548	10,176	

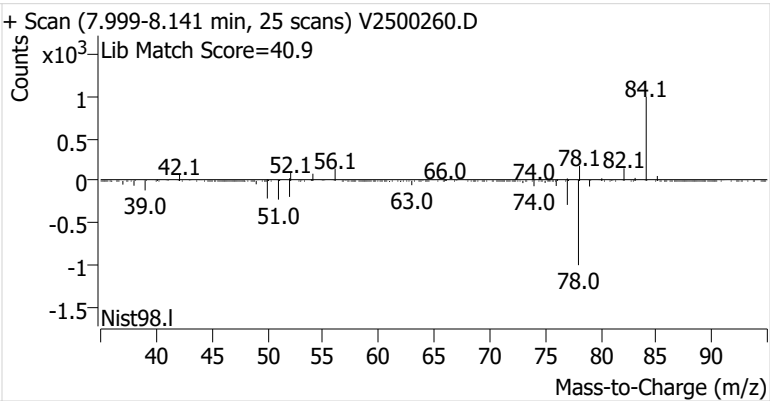
Benzene-d6 (IS)



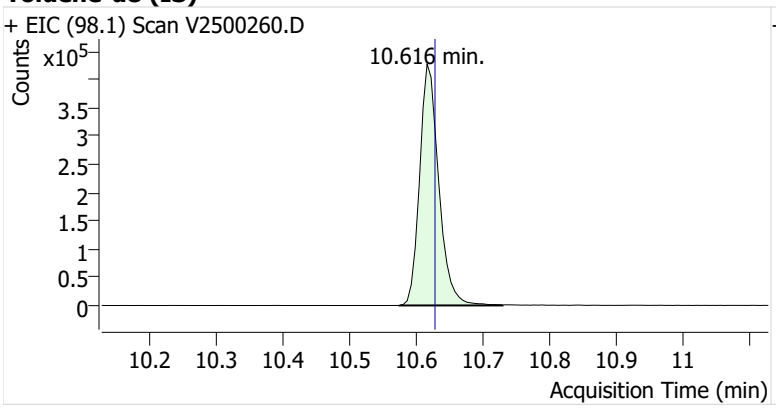


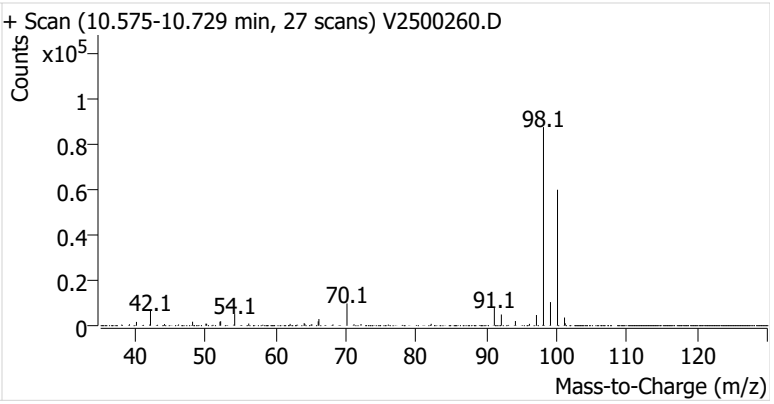
Benzene



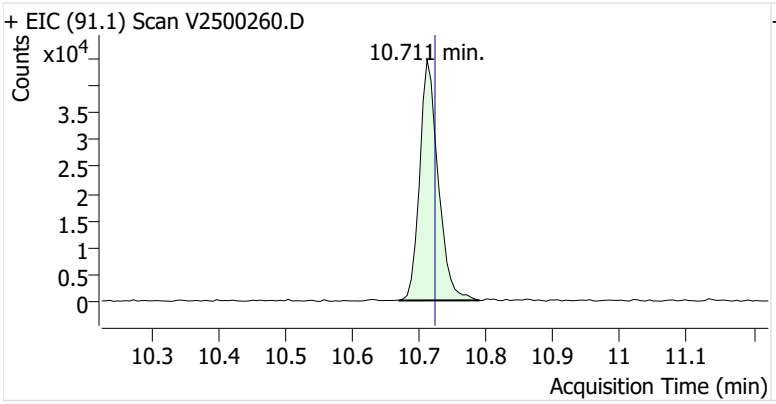


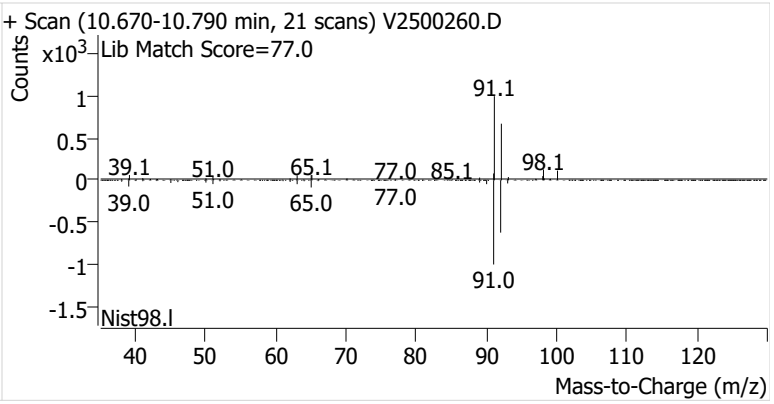
Toluene-d8 (IS)



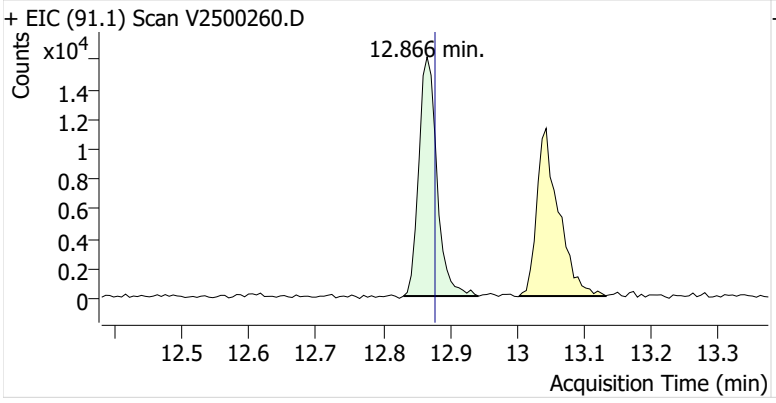


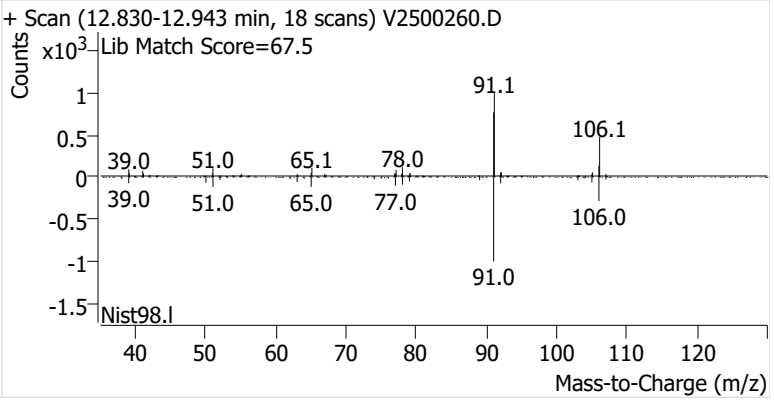
Toluene



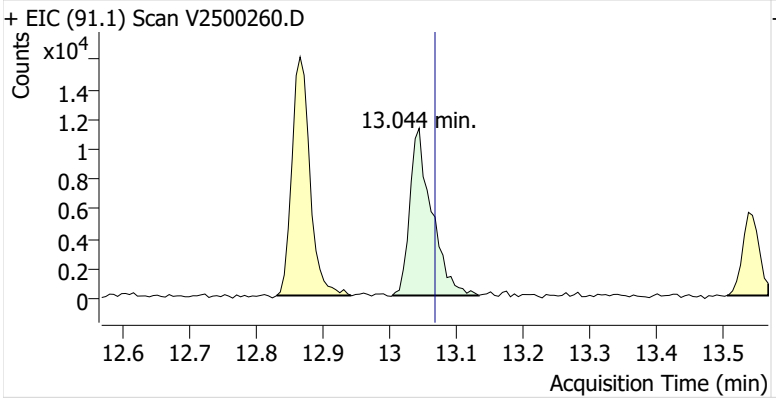


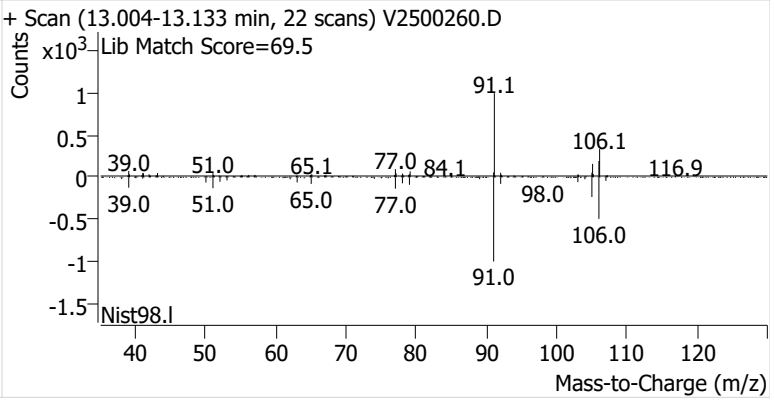
Ethylbenzene



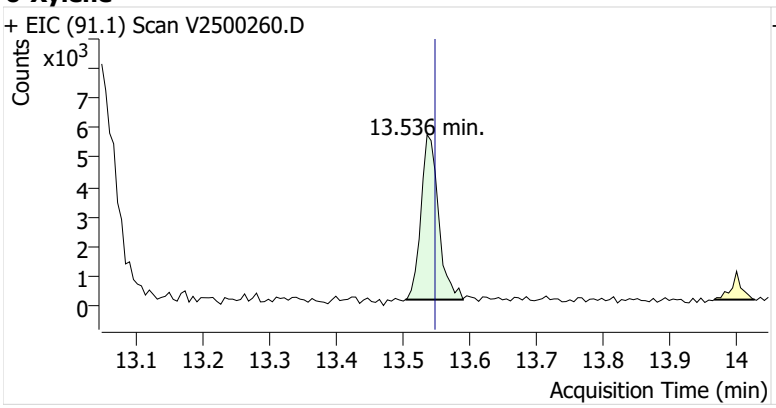


m-/p-Xylenes





o-Xylene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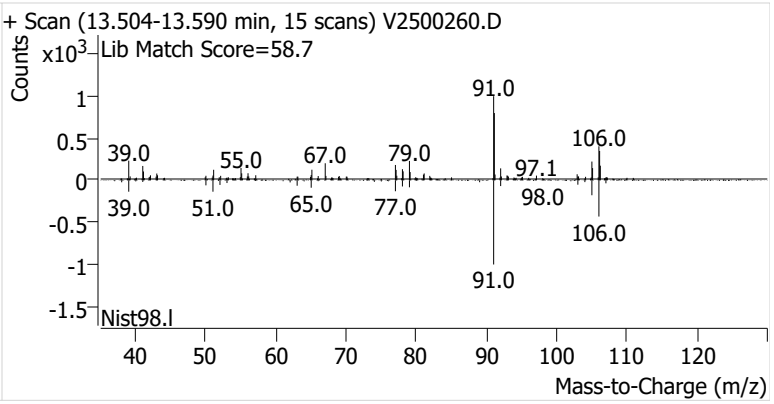
Counts
x10^3
13.536 min.
Acquisition Time (min)


+ Scan (13.504-13.590 min, 15 scans) V2500260.D
Lib Match Score=58.7
Counts
x10^3
91.0
106.0
39.0
55.0
67.0
79.0
97.1
98.0
39.0
51.0
65.0
77.0
106.0
91.0
Nist98.l
Mass-to-Charge (m/z)

Calibration Summary Reports

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.921	0.974	0.921	-5.4%	-3.1%		Pass	
2024GG407 Method Blank-1	Blank		0.974	0.921			-1.6%	Pass	ND
M325B CCV 5	Check	0.904	0.974	0.921	-7.2%		-2.5%	Pass	
M325B CCV 5	Check	0.905	0.974	0.921	-7.0%		-1.2%	Pass	
M325B CCV 5 REC	Check	0.930	0.974	0.921	-4.5%		1.9%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.210	1.196	1.210	1.1%	-4.3%		Pass	
2024GG407 Method Blank-1	Blank		1.196	1.210			-0.90%	Pass	ND
M325B CCV 5	Check	1.162	1.196	1.210	-2.9%		-1.0%	Pass	
M325B CCV 5	Check	1.194	1.196	1.210	-0.20%		0.60%	Pass	
M325B CCV 5 REC	Check	1.165	1.196	1.210	-2.7%		2.1%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.974	1.010	0.974	-3.5%	-4.3%		Pass	
2024GG407 Method Blank-1	Blank		1.010	0.974			-0.90%	Pass	ND
M325B CCV 5	Check	0.960	1.010	0.974	-4.9%		-1.0%	Pass	
M325B CCV 5	Check	0.978	1.010	0.974	-3.2%		0.60%	Pass	
M325B CCV 5 REC	Check	0.971	1.010	0.974	-3.9%		2.1%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.978	0.935	0.978	4.6%	-3.8%		Pass	
2024GG407 Method Blank-1	Blank		0.935	0.978			-0.90%	Pass	ND
M325B CCV 5	Check	0.975	0.935	0.978	4.3%		-1.0%	Pass	
M325B CCV 5	Check	0.972	0.935	0.978	4.0%		0.60%	Pass	
M325B CCV 5 REC	Check	0.958	0.935	0.978	2.5%		2.1%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.040	0.992	1.040	4.8%	-4.3%		Pass	
2024GG407 Method Blank-1	Blank		0.992	1.040			-0.90%	Pass	ND
M325B CCV 5	Check	0.997	0.992	1.040	0.47%		-1.0%	Pass	
M325B CCV 5	Check	1.002	0.992	1.040	1.0%		0.60%	Pass	
M325B CCV 5 REC	Check	1.028	0.992	1.040	3.6%		2.1%	Pass	

Enthalpy Analytical

Company: Montrose Air Quality Services, LLC - New Jersey

Job No.: 2024GG407-1 EPA Method 325B Analysis

Client No.: PROJ - 027957 Site: Irving Oil - Searsport

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
V101624A_CC252679.quantmethod.xml	Benzene	1	V2405038.D	5.00	58229	91.7	852072	1.253	29%
V101624A_CC252679.quantmethod.xml	Benzene	2	V2405028.D	9.90	89825	91.7	823794	1.010	3.7%
V101624A_CC252679.quantmethod.xml	Benzene	3	V2405029.D	19.79	167427	91.7	818923	0.947	-2.7%
V101624A_CC252679.quantmethod.xml	Benzene	4	V2405030.D	39.58	342499	91.7	817782	0.970	-0.38%
V101624A_CC252679.quantmethod.xml	Benzene	5	V2405031.D	99.22	801257	91.7	822513	0.900	-7.6%
V101624A_CC252679.quantmethod.xml	Benzene	6	V2405032.D	197.90	1535131	91.7	815567	0.872	-10%
V101624A_CC252679.quantmethod.xml	Benzene	7	V2405033.D	593.70	4555915	91.7	814793	0.863	-11%
						Avg:	823635	0.974	
						%RSD:	1.6%	14%	
V101624A_CC252679.quantmethod.xml	Ethylbenzene	1	V2405038.D	5.20	64009	108.1	921142	1.446	21%
V101624A_CC252679.quantmethod.xml	Ethylbenzene	2	V2405028.D	10.28	99840	108.1	896578	1.171	-2.1%
V101624A_CC252679.quantmethod.xml	Ethylbenzene	3	V2405029.D	20.57	201265	108.1	890835	1.188	-0.73%
V101624A_CC252679.quantmethod.xml	Ethylbenzene	4	V2405030.D	41.14	408335	108.1	889039	1.207	0.90%
V101624A_CC252679.quantmethod.xml	Ethylbenzene	5	V2405031.D	103.12	1061600	108.1	896729	1.241	3.8%
V101624A_CC252679.quantmethod.xml	Ethylbenzene	6	V2405032.D	205.68	1769658	108.1	879549	1.058	-12%
V101624A_CC252679.quantmethod.xml	Ethylbenzene	7	V2405033.D	617.05	5378346	108.1	885687	1.064	-11%
						Avg:	894223	1.196	
						%RSD:	1.5%	11%	

V101624A_CC252679.quantmethod.xml	m-/p-Xylenes	1	V2405038.D	4.91	52235	108.1	921142	1.250	24%
V101624A_CC252679.quantmethod.xml	m-/p-Xylenes	2	V2405028.D	9.71	87248	108.1	896578	1.083	7.2%
V101624A_CC252679.quantmethod.xml	m-/p-Xylenes	3	V2405029.D	19.43	158370	108.1	890835	0.989	-2.0%
V101624A_CC252679.quantmethod.xml	m-/p-Xylenes	4	V2405030.D	38.85	303982	108.1	889039	0.952	-5.8%
V101624A_CC252679.quantmethod.xml	m-/p-Xylenes	5	V2405031.D	97.39	832868	108.1	896729	1.031	2.1%
V101624A_CC252679.quantmethod.xml	m-/p-Xylenes	6	V2405032.D	194.26	1364525	108.1	879549	0.863	-15%
V101624A_CC252679.quantmethod.xml	m-/p-Xylenes	7	V2405033.D	582.77	4306225	108.1	885687	0.902	-11%
						Avg:	894223	1.010	
						%RSD:	1.5%	13%	

V101624A_CC252679.quantmethod.xml	o-Xylene	2	V2405028.D	10.13	85339	108.1	896578	1.016	8.7%
V101624A_CC252679.quantmethod.xml	o-Xylene	3	V2405029.D	20.26	162501	108.1	890835	0.973	4.2%
V101624A_CC252679.quantmethod.xml	o-Xylene	4	V2405030.D	40.52	305173	108.1	889039	0.916	-2.0%
V101624A_CC252679.quantmethod.xml	o-Xylene	5	V2405031.D	101.58	838275	108.1	896729	0.995	6.5%
V101624A_CC252679.quantmethod.xml	o-Xylene	6	V2405032.D	202.61	1409605	108.1	879549	0.855	-8.5%
V101624A_CC252679.quantmethod.xml	o-Xylene	7	V2405033.D	607.82	4242373	108.1	885687	0.852	-8.8%
						Avg:	889736	0.935	
						%RSD:	0.74%	7.6%	

V101624A_CC252679.quantmethod.xml	Toluene	1	V2405038.D	5.41	57449	108.1	921142	1.248	26%
V101624A_CC252679.quantmethod.xml	Toluene	2	V2405028.D	10.70	89933	108.1	896578	1.014	2.2%
V101624A_CC252679.quantmethod.xml	Toluene	3	V2405029.D	21.40	167668	108.1	890835	0.951	-4.1%
V101624A_CC252679.quantmethod.xml	Toluene	4	V2405030.D	42.80	345181	108.1	889039	0.981	-1.1%
V101624A_CC252679.quantmethod.xml	Toluene	5	V2405031.D	107.28	809957	108.1	896729	0.910	-8.3%
V101624A_CC252679.quantmethod.xml	Toluene	6	V2405032.D	213.98	1602057	108.1	879549	0.920	-7.2%
V101624A_CC252679.quantmethod.xml	Toluene	7	V2405033.D	641.94	4845348	108.1	885687	0.921	-7.1%
						Avg:	894223	0.992	
						%RSD:	1.5%	12%	
V101624A_CC252679.quantmethod.xml	Benzene	ICV	V2405034.D	64.23	521218	91.7	815831	0.912	-6.4%
V101624A_CC252679.quantmethod.xml	Ethylbenzene	ICV	V2405034.D	86.24	784682	108.1	897118	1.097	-8.3%
V101624A_CC252679.quantmethod.xml	m-/p-Xylenes	ICV	V2405034.D	89.77	666583	108.1	897118	0.895	-11%
V101624A_CC252679.quantmethod.xml	o-Xylene	ICV	V2405034.D	88.36	634077	108.1	897118	0.865	-7.5%
V101624A_CC252679.quantmethod.xml	Toluene	ICV	V2405034.D	76.61	642991	108.1	897118	1.012	2%

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