

All4, Inc.

2393 Kimberton Road
Kimberton, PA 19442

Coke Oven ICR Sampling Event #10

US Steel Corp - Clairton Works ICR

Project: 00701-0002.00

Analytical Report (2023EE105)

EPA Method 325B

1,3-Butadiene

Benzene

Ethylbenzene

m/p-Xylene

o-Xylene

Toluene



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.

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke, positioned above the date.

Report Issued: 03/23/2023



Summary of Results

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Summary

Sample Code	Tube ID	1,3-Butadiene (ug/m ³)	Flag	Benzene (ug/m ³)	Flag	Ethylbenzene (ug/m ³)	Flag	m-/p-Xylenes (ug/m ³)	Flag	o-Xylene (ug/m ³)	Flag	Toluene (ug/m ³)	Flag
USSCL-PT01-S-20230214	B53280		ND	44.8	Rc		ND,Rc	0.969	Rc		ND,Rc	13.6	X,Rc
USSCL-PT02-S-20230214	B43404		ND	15.1	Rc		ND,Rc	0.711	Rc		ND,Rc	6.47	X,Rc
USSCL-PT03-S-20230214	B28011		ND	30.5	Rc		ND,Rc	0.887	Rc		ND,Rc	5.97	X,Rc
USSCL-PT04-S-20230214	B46244		ND	15.5	Rc		ND,Rc	1.25	Rc		ND,Rc	8.63	X,Rc
USSCL-PT05-S-20230214	B50903		ND	6.14	Rc		ND,Rc	0.617	Rc		ND,Rc	6.20	X,Rc
USSCL-PT06-S-20230214	B20648		ND	5.78	Rc		ND,Rc	0.719	Rc		ND,Rc	10.2	X,Rc
USSCL-PT07-S-20230214	B20212		ND	3.60	Rc		ND,Rc		ND,Rc		ND,Rc	9.85	X,Rc
USSCL-PT08-S-20230214	C01589		ND	5.70	Rc		ND,Rc	0.835	Rc		ND,Rc	9.52	X,Rc
USSCL-PT09-S-20230214	B46914		ND	11.3	Rc		ND,Rc	1.35	Rc		ND,Rc	10.7	X,Rc
USSCL-PT10-D-20230214	B45055		ND	26.1	Rc		ND,Rc	2.15	Rc	0.783	Rc	12.5	X,Rc
USSCL-PT10-B-20230214	C02013		ND		ND,Rc		ND,Rc		ND,Rc		ND,Rc	0.801	X,Rc
USSCL-PT10-S-20230214	B48071		ND	26.1	Rc		ND,Rc	1.98	Rc	0.616	Rc	12.6	X,Rc
USSCL-PT11-S-20230214	B20829		ND	32.7	Rc	0.802	Rc	3.54	Rc	1.13	Rc	12.1	X,Rc
USSCL-PT12-S-20230214	B19739		ND	14.5	Rc		ND,Rc	1.03	Rc		ND,Rc	11.7	X,Rc

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

Rc: Recollection analysis

X: Case Narrative

Results

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

1,3-Butadiene

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
USSCL-PT01-S-20230214	B53280				43.0	0.435	20,152	0.602	0.602	0.272	0.272	ND
USSCL-PT02-S-20230214	B43404				43.0	0.435	20,152	0.602	0.602	0.272	0.272	ND
USSCL-PT03-S-20230214	B28011				43.0	0.435	20,152	0.602	0.602	0.272	0.272	ND
USSCL-PT04-S-20230214	B46244				43.0	0.435	20,153	0.602	0.602	0.272	0.272	ND
USSCL-PT05-S-20230214	B50903				43.0	0.435	20,153	0.602	0.602	0.272	0.272	ND
USSCL-PT06-S-20230214	B20648				43.0	0.435	20,153	0.602	0.602	0.272	0.272	ND
USSCL-PT07-S-20230214	B20212				43.0	0.435	20,153	0.602	0.602	0.272	0.272	ND
USSCL-PT08-S-20230214	C01589				43.0	0.435	20,188	0.601	0.601	0.272	0.272	ND
USSCL-PT09-S-20230214	B46914				43.0	0.435	20,172	0.602	0.602	0.272	0.272	ND
USSCL-PT10-D-20230214	B45055				43.0	0.435	20,191	0.601	0.601	0.272	0.272	ND
USSCL-PT10-B-20230214	C02013				43.0	0.435	20,192	0.601	0.601	0.272	0.272	ND
USSCL-PT10-S-20230214	B48071				43.0	0.435	20,188	0.601	0.601	0.272	0.272	ND
USSCL-PT11-S-20230214	B20829				43.0	0.435	20,192	0.601	0.601	0.272	0.272	ND
USSCL-PT12-S-20230214	B19739				43.0	0.435	20,193	0.601	0.601	0.272	0.272	ND

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Benzene

Sample Code	Tube ID	Conc (ug/m ³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m ³)	LOQ (ug/m ³)	LOD (ppbv)	LOQ (ppbv)	Flags
USSCL-PT01-S-20230214	B53280	44.8	14.0	586	43.0	0.648	20,152	0.191	0.399	0.0599	0.125	Rc
USSCL-PT02-S-20230214	B43404	15.1	4.73	197	43.0	0.648	20,152	0.191	0.399	0.0599	0.125	Rc
USSCL-PT03-S-20230214	B28011	30.5	9.55	398	43.0	0.648	20,152	0.191	0.399	0.0599	0.125	Rc
USSCL-PT04-S-20230214	B46244	15.5	4.84	202	43.0	0.648	20,153	0.191	0.399	0.0599	0.125	Rc
USSCL-PT05-S-20230214	B50903	6.14	1.92	80.3	43.0	0.648	20,153	0.191	0.399	0.0599	0.125	Rc
USSCL-PT06-S-20230214	B20648	5.78	1.81	75.5	43.0	0.648	20,153	0.191	0.399	0.0599	0.125	Rc
USSCL-PT07-S-20230214	B20212	3.60	1.13	47.0	43.0	0.648	20,153	0.191	0.399	0.0599	0.125	Rc
USSCL-PT08-S-20230214	C01589	5.70	1.79	74.7	43.0	0.648	20,188	0.191	0.398	0.0598	0.125	Rc
USSCL-PT09-S-20230214	B46914	11.3	3.54	148	43.0	0.648	20,172	0.191	0.398	0.0599	0.125	Rc
USSCL-PT10-D-20230214	B45055	26.1	8.17	341	43.0	0.648	20,191	0.191	0.398	0.0598	0.125	Rc
USSCL-PT10-B-20230214	C02013				43.0	0.648	20,192	0.191	0.398	0.0598	0.125	ND,Rc
USSCL-PT10-S-20230214	B48071	26.1	8.18	342	43.0	0.648	20,188	0.191	0.398	0.0598	0.125	Rc
USSCL-PT11-S-20230214	B20829	32.7	10.2	428	43.0	0.648	20,192	0.191	0.398	0.0598	0.125	Rc
USSCL-PT12-S-20230214	B19739	14.5	4.53	190	43.0	0.648	20,193	0.191	0.398	0.0598	0.125	Rc

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m ³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m ³)	LOQ (ug/m ³)	LOD (ppbv)	LOQ (ppbv)	Flags
USSCL-PT01-S-20230214	B53280				43.0	0.445	20,152	0.597	0.597	0.137	0.137	ND,Rc
USSCL-PT02-S-20230214	B43404				43.0	0.445	20,152	0.597	0.597	0.137	0.137	ND,Rc
USSCL-PT03-S-20230214	B28011				43.0	0.445	20,152	0.597	0.597	0.137	0.137	ND,Rc
USSCL-PT04-S-20230214	B46244				43.0	0.445	20,153	0.597	0.597	0.137	0.137	ND,Rc
USSCL-PT05-S-20230214	B50903				43.0	0.445	20,153	0.597	0.597	0.137	0.137	ND,Rc
USSCL-PT06-S-20230214	B20648				43.0	0.445	20,153	0.597	0.597	0.137	0.137	ND,Rc
USSCL-PT07-S-20230214	B20212				43.0	0.445	20,153	0.597	0.597	0.137	0.137	ND,Rc
USSCL-PT08-S-20230214	C01589				43.0	0.445	20,188	0.596	0.596	0.137	0.137	ND,Rc
USSCL-PT09-S-20230214	B46914				43.0	0.445	20,172	0.596	0.596	0.137	0.137	ND,Rc
USSCL-PT10-D-20230214	B45055				43.0	0.445	20,191	0.595	0.595	0.137	0.137	ND,Rc
USSCL-PT10-B-20230214	C02013				43.0	0.445	20,192	0.595	0.595	0.137	0.137	ND,Rc
USSCL-PT10-S-20230214	B48071				43.0	0.445	20,188	0.596	0.596	0.137	0.137	ND,Rc
USSCL-PT11-S-20230214	B20829	0.802	0.185	7.21	43.0	0.445	20,192	0.595	0.595	0.137	0.137	Rc
USSCL-PT12-S-20230214	B19739				43.0	0.445	20,193	0.595	0.595	0.137	0.137	ND,Rc

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m ³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m ³)	LOQ (ug/m ³)	LOD (ppbv)	LOQ (ppbv)	Flags
USSCL-PT01-S-20230214	B53280	0.969	0.223	8.70	43.0	0.445	20,152	0.601	0.601	0.138	0.138	Rc
USSCL-PT02-S-20230214	B43404	0.711	0.164	6.38	43.0	0.445	20,152	0.601	0.601	0.138	0.138	Rc
USSCL-PT03-S-20230214	B28011	0.887	0.204	7.95	43.0	0.445	20,152	0.601	0.601	0.138	0.138	Rc
USSCL-PT04-S-20230214	B46244	1.25	0.287	11.2	43.0	0.445	20,153	0.601	0.601	0.138	0.138	Rc
USSCL-PT05-S-20230214	B50903	0.617	0.142	5.54	43.0	0.445	20,153	0.601	0.601	0.138	0.138	Rc
USSCL-PT06-S-20230214	B20648	0.719	0.166	6.45	43.0	0.445	20,153	0.601	0.601	0.138	0.138	Rc
USSCL-PT07-S-20230214	B20212				43.0	0.445	20,153	0.601	0.601	0.138	0.138	ND,Rc
USSCL-PT08-S-20230214	C01589	0.835	0.193	7.51	43.0	0.445	20,188	0.599	0.599	0.138	0.138	Rc
USSCL-PT09-S-20230214	B46914	1.35	0.311	12.1	43.0	0.445	20,172	0.600	0.600	0.138	0.138	Rc
USSCL-PT10-D-20230214	B45055	2.15	0.495	19.3	43.0	0.445	20,191	0.599	0.599	0.138	0.138	Rc
USSCL-PT10-B-20230214	C02013				43.0	0.445	20,192	0.599	0.599	0.138	0.138	ND,Rc
USSCL-PT10-S-20230214	B48071	1.98	0.457	17.8	43.0	0.445	20,188	0.599	0.599	0.138	0.138	Rc
USSCL-PT11-S-20230214	B20829	3.54	0.816	31.8	43.0	0.445	20,192	0.599	0.599	0.138	0.138	Rc
USSCL-PT12-S-20230214	B19739	1.03	0.237	9.23	43.0	0.445	20,193	0.599	0.599	0.138	0.138	Rc

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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
USSCL-PT01-S-20230214	B53280				43.0	0.445	20,152	0.604	0.604	0.139	0.139	ND,Rc
USSCL-PT02-S-20230214	B43404				43.0	0.445	20,152	0.604	0.604	0.139	0.139	ND,Rc
USSCL-PT03-S-20230214	B28011				43.0	0.445	20,152	0.604	0.604	0.139	0.139	ND,Rc
USSCL-PT04-S-20230214	B46244				43.0	0.445	20,153	0.604	0.604	0.139	0.139	ND,Rc
USSCL-PT05-S-20230214	B50903				43.0	0.445	20,153	0.604	0.604	0.139	0.139	ND,Rc
USSCL-PT06-S-20230214	B20648				43.0	0.445	20,153	0.604	0.604	0.139	0.139	ND,Rc
USSCL-PT07-S-20230214	B20212				43.0	0.445	20,153	0.604	0.604	0.139	0.139	ND,Rc
USSCL-PT08-S-20230214	C01589				43.0	0.445	20,188	0.603	0.603	0.139	0.139	ND,Rc
USSCL-PT09-S-20230214	B46914				43.0	0.445	20,172	0.603	0.603	0.139	0.139	ND,Rc
USSCL-PT10-D-20230214	B45055	0.783	0.180	7.04	43.0	0.445	20,191	0.603	0.603	0.139	0.139	Rc
USSCL-PT10-B-20230214	C02013				43.0	0.445	20,192	0.603	0.603	0.139	0.139	ND,Rc
USSCL-PT10-S-20230214	B48071	0.616	0.142	5.54	43.0	0.445	20,188	0.603	0.603	0.139	0.139	Rc
USSCL-PT11-S-20230214	B20829	1.13	0.261	10.2	43.0	0.445	20,192	0.603	0.603	0.139	0.139	Rc
USSCL-PT12-S-20230214	B19739				43.0	0.445	20,193	0.603	0.603	0.139	0.139	ND,Rc

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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
USSCL-PT01-S-20230214	B53280	13.6	3.61	138	43.0	0.503	20,152	0.247	0.533	0.0655	0.142	X,Rc
USSCL-PT02-S-20230214	B43404	6.47	1.72	65.6	43.0	0.503	20,152	0.247	0.533	0.0655	0.142	X,Rc
USSCL-PT03-S-20230214	B28011	5.97	1.59	60.6	43.0	0.503	20,152	0.247	0.533	0.0655	0.142	X,Rc
USSCL-PT04-S-20230214	B46244	8.63	2.29	87.6	43.0	0.503	20,153	0.247	0.533	0.0655	0.142	X,Rc
USSCL-PT05-S-20230214	B50903	6.20	1.65	62.9	43.0	0.503	20,153	0.247	0.533	0.0655	0.142	X,Rc
USSCL-PT06-S-20230214	B20648	10.2	2.70	103	43.0	0.503	20,153	0.247	0.533	0.0655	0.142	X,Rc
USSCL-PT07-S-20230214	B20212	9.85	2.62	99.9	43.0	0.503	20,153	0.247	0.533	0.0655	0.142	X,Rc
USSCL-PT08-S-20230214	C01589	9.52	2.53	96.7	43.0	0.503	20,188	0.246	0.532	0.0653	0.141	X,Rc
USSCL-PT09-S-20230214	B46914	10.7	2.84	109	43.0	0.503	20,172	0.246	0.533	0.0654	0.141	X,Rc
USSCL-PT10-D-20230214	B45055	12.5	3.31	127	43.0	0.503	20,191	0.246	0.532	0.0653	0.141	X,Rc
USSCL-PT10-B-20230214	C02013	0.801	0.213	8.14	43.0	0.503	20,192	0.246	0.532	0.0653	0.141	X,Rc
USSCL-PT10-S-20230214	B48071	12.6	3.33	128	43.0	0.503	20,188	0.246	0.532	0.0653	0.141	X,Rc
USSCL-PT11-S-20230214	B20829	12.1	3.22	123	43.0	0.503	20,192	0.246	0.532	0.0653	0.141	X,Rc
USSCL-PT12-S-20230214	B19739	11.7	3.11	119	43.0	0.503	20,193	0.246	0.532	0.0653	0.141	X,Rc

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

Rc: Recollection analysis

X: Case Narrative

QC

Enthalpy Analytical

Company: All4, Inc.
Job No.: 2023EE105-1 EPA Method 325B Analysis
Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

QC Samples

Field Sample Type	Sample Code	1,3-Butadiene		Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	USSCL-PT10-B-20230214	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass	0.801	Pass
Duplicates (difference)	USSCL-PT10-D-20230214		Pass	0.14%	Pass		Pass	8.0%	Pass	24%	Pass	0.82%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	All4, Inc.
Site	US Steel Corp - Clairton Works ICR
Project	00701-0002.00
Report #	2023EE105

Custody	<p>Wilson Matthews of Enthalpy Analytical, LLC received the thermal desorption sample tubes on 03/1/2023. The tubes were received in good condition at a temperature of 12.2 °C.</p> <p>Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.</p>
Analysis	<p>The thermal desorption tube samples were analyzed for benzene, 1,3-butadiene, toluene, ethylbenzene, m/p-xylene, and o-xylene using EPA Method 325B, Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS.</p> <p>The Agilent Technologies Model 6890, Gas Chromatograph "Neville" (S/N US2215A021) was equipped with a 5973 Mass Selective Detector (S/N US2211M022) for these analyses.</p> <p>The Perkin-Elmer ATD-650 Thermal Desorber introduced the samples and standards to the analyzer.</p>
Chromatographic Conditions	<p>A copy of the acquisition method (M325B-TD-CRYO9.M) is not included in this report but may be available upon request.</p>
Calibration	<p>The BFB tune associated with the initial calibration and the daily BFB check failed to meet method criteria for ion 174. However, because the 174 ion is not near the tuning region of the quant ion for the analytes in this report and the continuing calibration checks met the 30% difference criteria, the lab believes that the analyses were unaffected by the deviation. All other BFB criteria have been met for this analysis.</p> <p>The initial calibration (N022223A_BUT_BTEX) 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.</p>



Enthalpy Analytical Narrative Summary (continued)

QC Notes

All internal standard response and retention time criteria were met for these analyses.

The field blank met the requirements of the method.

The duplicate samples met the 30% difference criterion specified by the method.

The method blank failed to meet the requirements of the method for toluene. However, because the samples were analyzed immediately after the blank, any instrument contamination would have been recollected onto the tubes. Therefore, a reanalysis was not attempted, the data for all samples have been flagged "X" for toluene only, and the results should be considered estimated for toluene only. The method blank met the requirements of the method for all other analytes.

Reporting Notes

A portion of each sample (or calibration standard) was recollected onto the original sample tube after internal standard was added in the initial analysis to allow for reanalysis if necessary. An "Rc" flag indicates that a reanalysis has been performed and the resulting data have been included in the report.

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

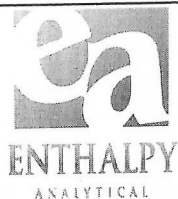
All samples were reported as amount in ng catch, and concentration in $\mu\text{g}/\text{m}^3$ and ppbv.

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/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of 2 #

☒ Standard Turn Around Time (10 business days)

☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, Inc.

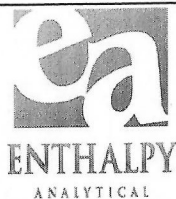
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: US Steel Corp- Clairton Works				Client Name: ALL4 LLC				PO#:	
Site Address: 400 State Street				Project Number: 00701-0002.00				Sample Event #	
City: Clairton				Project Manager: Dustin Snare				Sorbent:	
State: PA				Email Address: dsnares@all4inc.com					
Zip: 15025				Telephone #: (610) 422-1126					

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)
PT01-230214-S	B53280	S	23/02/14	9:03 AM	23/02/28	8:55 AM	SRQ		
PT02-230214-S	B43404	S	23/02/14	9:07 AM	23/02/28	8:59 AM	SRQ		
PT03-230214-S	B28011	S	23/02/14	9:11 AM	23/02/28	9:03 AM	SRQ		
PT04-230214-S	B410244	S	23/02/14	9:14 AM	23/02/28	9:07 AM	SRQ		
PT05-230214-S	B50903	S	23/02/14	9:19 AM	23/02/28	9:12 AM	SRQ		
PT06-230214-S	B20648	S	23/02/14	9:28 AM	23/02/28	9:21 AM	SRQ		
PT07-230214-S	B20212	S	23/02/14	9:24 AM	23/02/28	9:17 AM	SRQ		
PT08-230214-S	CG1589	S	23/02/14	9:34 AM	23/02/28	10:02 AM	SRQ		

Relinquished By (printed): Stacy Arner		Relinquished By (signature): <i>Stacy Arner</i>		Relinquished Date: 23/02/28		Relinquished Time: 11:15 AM	
Received By (printed): Wilson Matthews		Received By (signature): <i>Wilson Matthews</i>		Receipt Date: 3/1/23		Receipt Time: 10:00	
Sample Condition Upon Receipt: GOOD		Compound List:		Custody Seal intact? Y/N: <input checked="" type="checkbox"/>		Delivery tracking #	
Ice Temp: -1.7	Blank Temp: 12.2	Fluke 3		Add Custody Seal # below: 22 M00178			

Comments: Intermittent rain showers during collection



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

Page # 2 of 2 #

- ☒ 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:	US Steel Corp-Clairton Works	Client Name:	AM4 LLC	PO#:	
Site Address:	400 State Street	Project Number:	00701-0002.00	Sample Event #	
City:	Clairton	Project Manager:	Dustin Snare	Sorbent:	
State:	PA	Email Address:	dsnare@all4inc.com		
Zip:	15025	Telephone #:	(610) 422-1126		

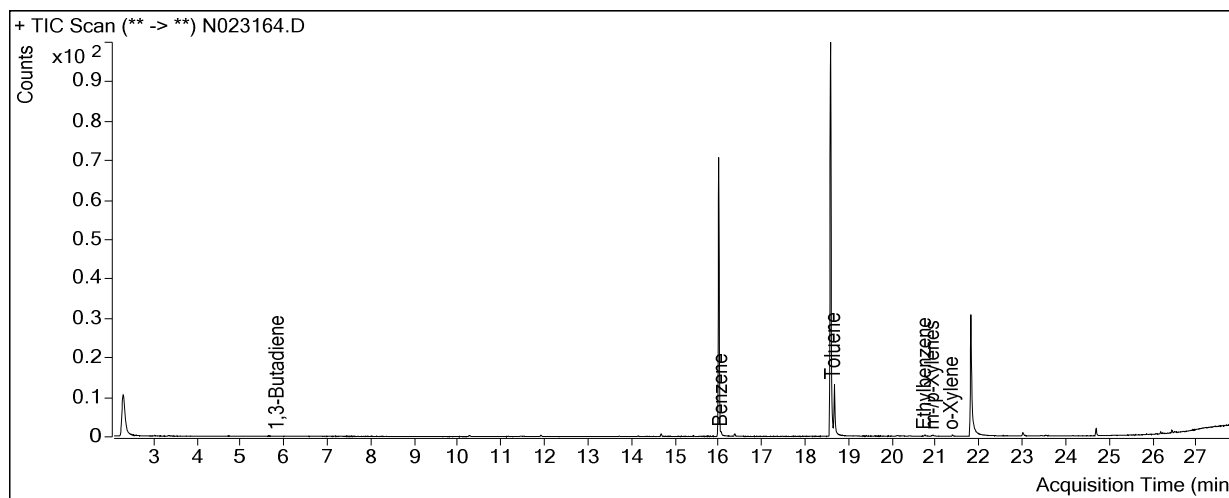
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
PT09-230214-S	B416914	S	23/02/14	9:54 AM	23/02/28	10:06 AM	SRQ		
PT10-230214-S	B48071	S	23/02/14	9:43 AM	23/02/28	10:13 AM	SRQ		
PT10-230214-D	B45055	D	23/02/14	9:42 AM	23/02/28	10:12 AM	SRQ		
PT10-230214-B	C02013	B	23/02/14	9:40 AM	23/02/28	10:11 AM	SRQ		
PT11-230214-S	B20829	S	23/02/14	9:46 AM	23/02/28	10:18 AM	SRQ		
PT12-230214-S	B19739	S	23/02/14	9:49 AM	23/02/28	10:22 AM	SRQ		
							/		
							/		

Relinquished By (printed):	Relinquished By (signature):	Relinquished Date:	Relinquished Time:
Stacy Arner	Stacy R Arner	23/02/28	11:15 AM
Received By (printed):	Received By (signature):	Receipt Date:	Receipt Time:
Wilson Matthews		3/1/23	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:	
-1.7	12.2	Fluke 3	22M00178

Comments: Intermittent rain showers during collection

Sample Chromatograms

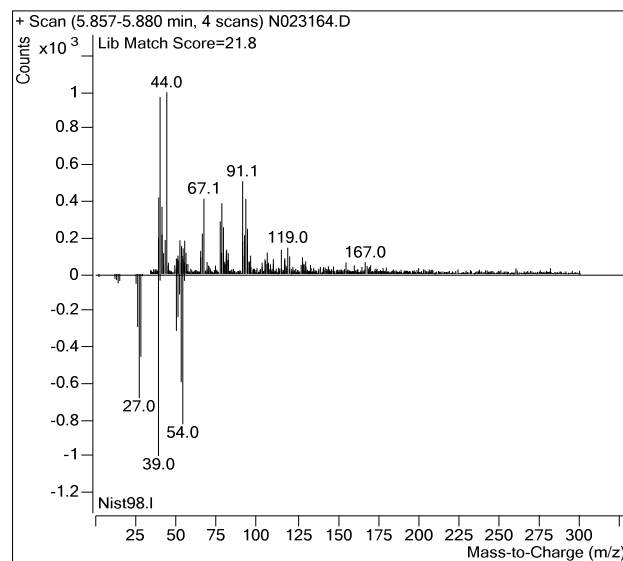
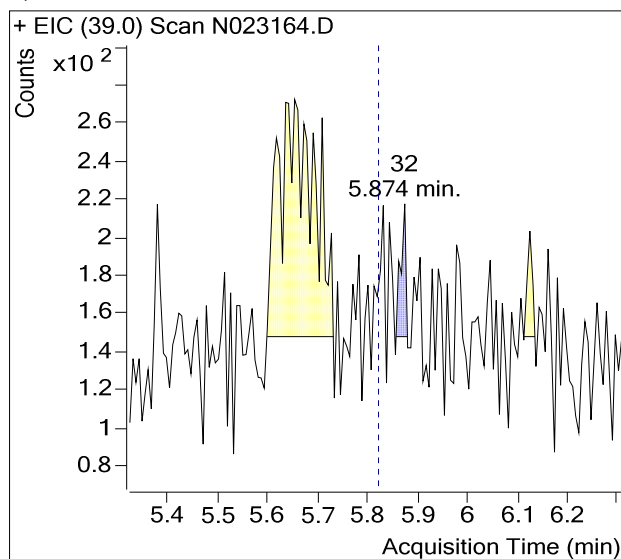
Sample Name : 2023EE105 Method Blank
Sample Info : B40420
Data File : N023164.D
Acquisition Date : 2023-03-13 19:54:43
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



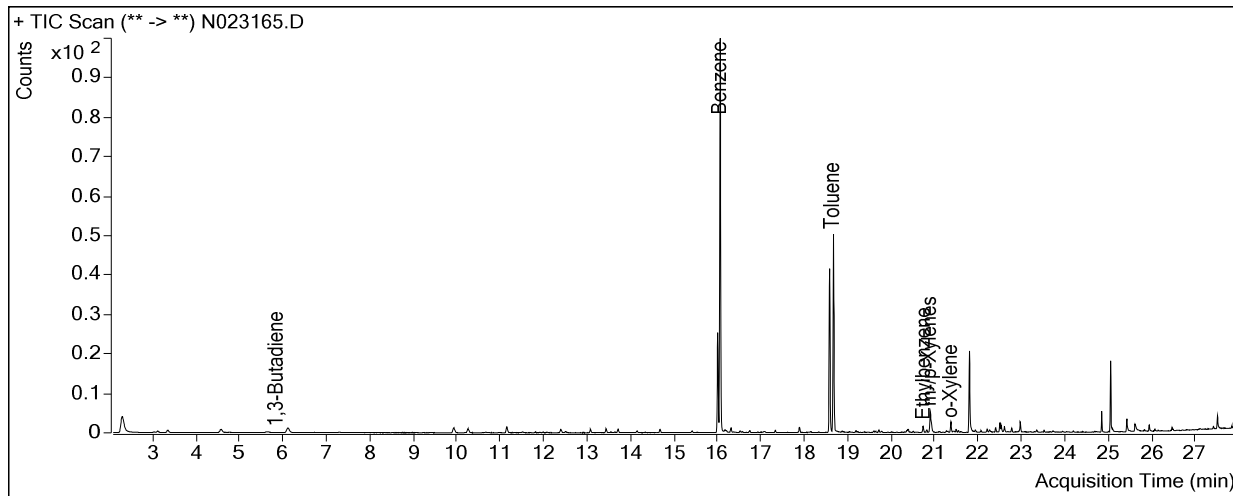
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	32	
Benzene-d6 (IS)	15.97	969,939	

(m)=Manual Integration

1,3-Butadiene



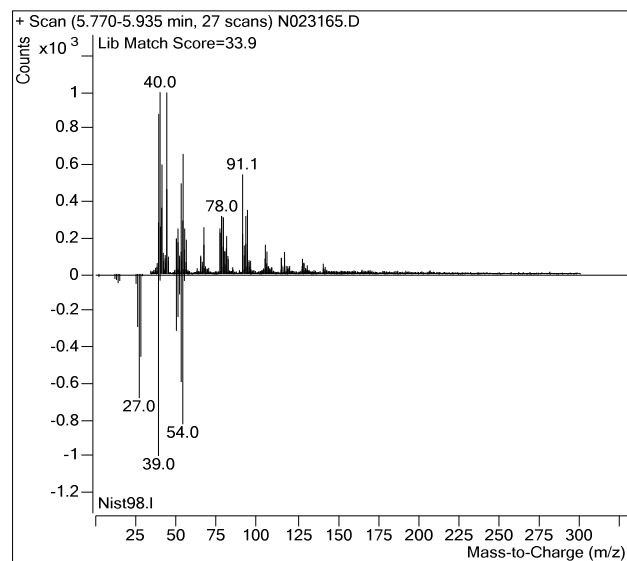
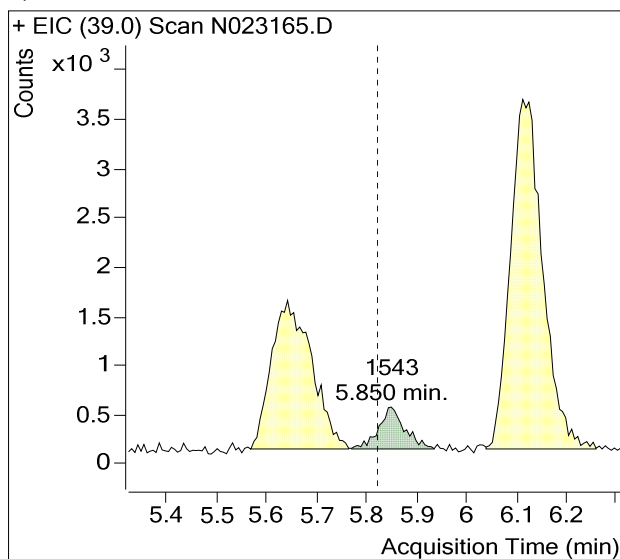
Sample Name : USSCL-PT10-D-20230214
Sample Info : B45055
Data File : N023165.D
Acquisition Date : 2023-03-13 20:34:30
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



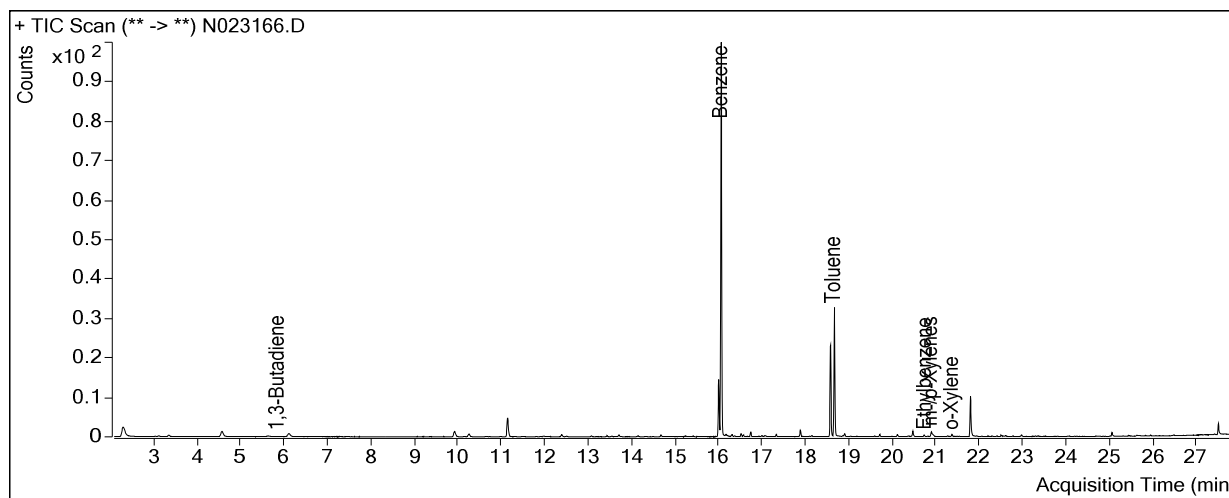
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,543	
Benzene-d6 (IS)	15.97	1,003,162	

(m)=Manual Integration

1,3-Butadiene



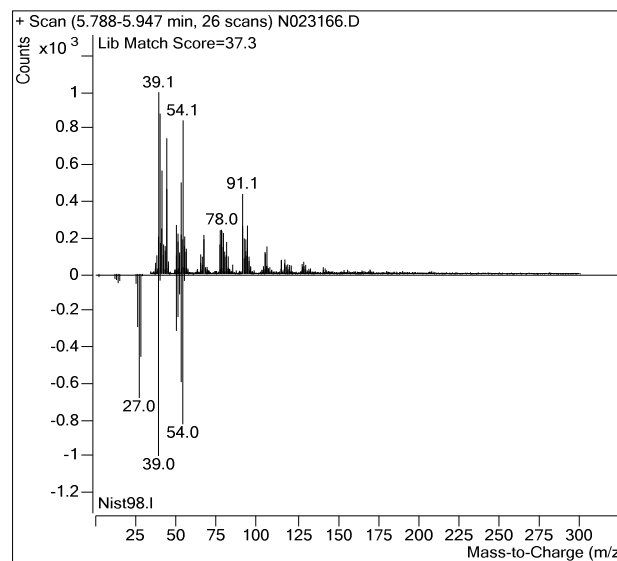
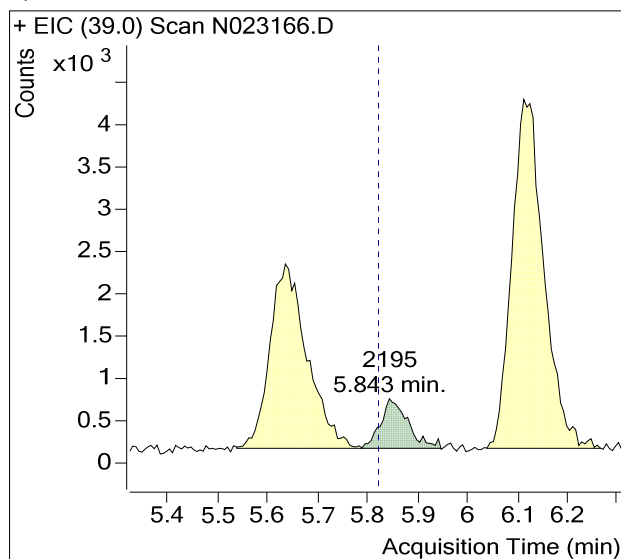
Sample Name : USSCL-PT01-S-20230214
Sample Info : B53280
Data File : N023166.D
Acquisition Date : 2023-03-13 21:14:19
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



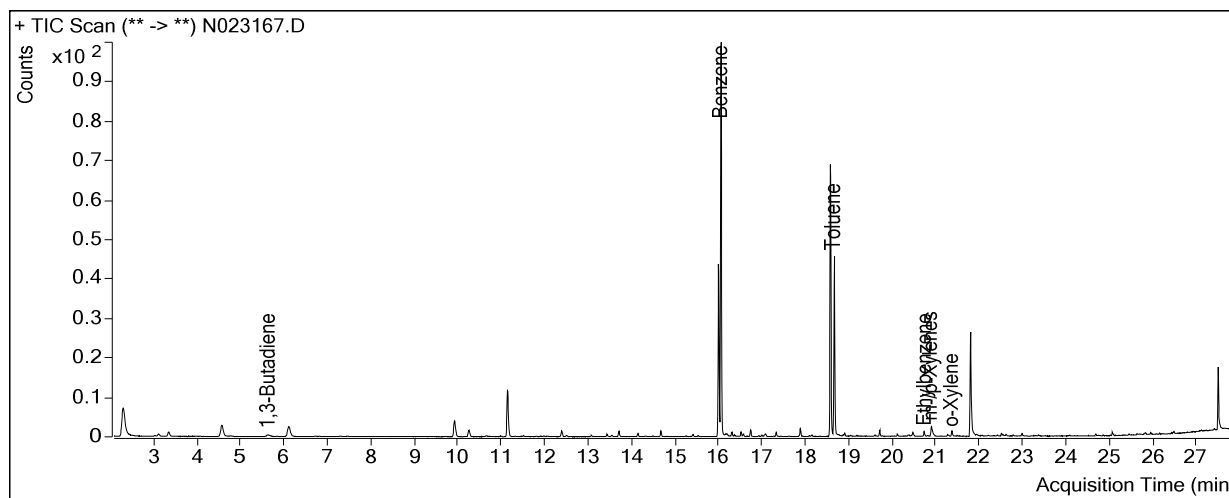
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	2,195	
Benzene-d6 (IS)	15.97	1,009,697	

(m)=Manual Integration

1,3-Butadiene



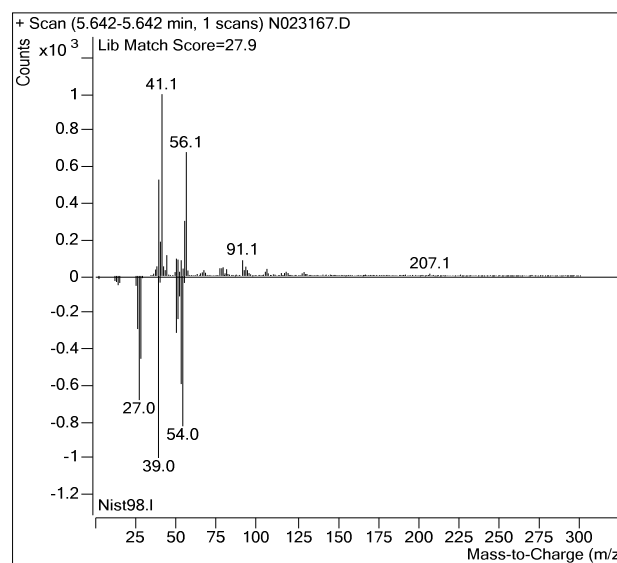
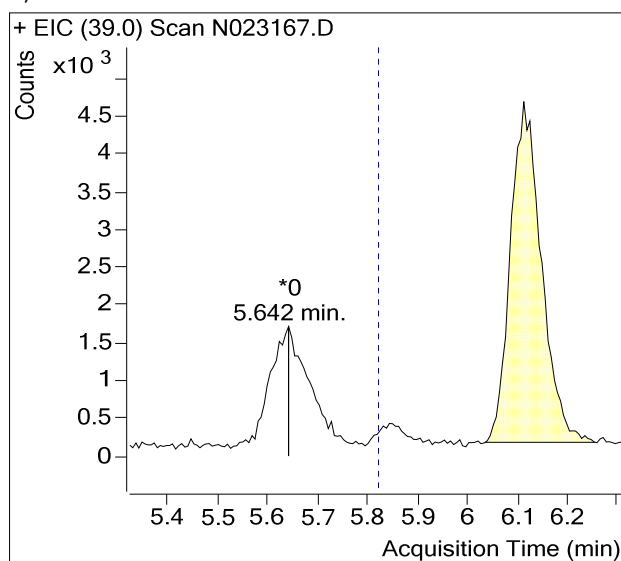
Sample Name : USSCL-PT02-S-20230214
Sample Info : B43404
Data File : N023167.D
Acquisition Date : 2023-03-13 21:54:06
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



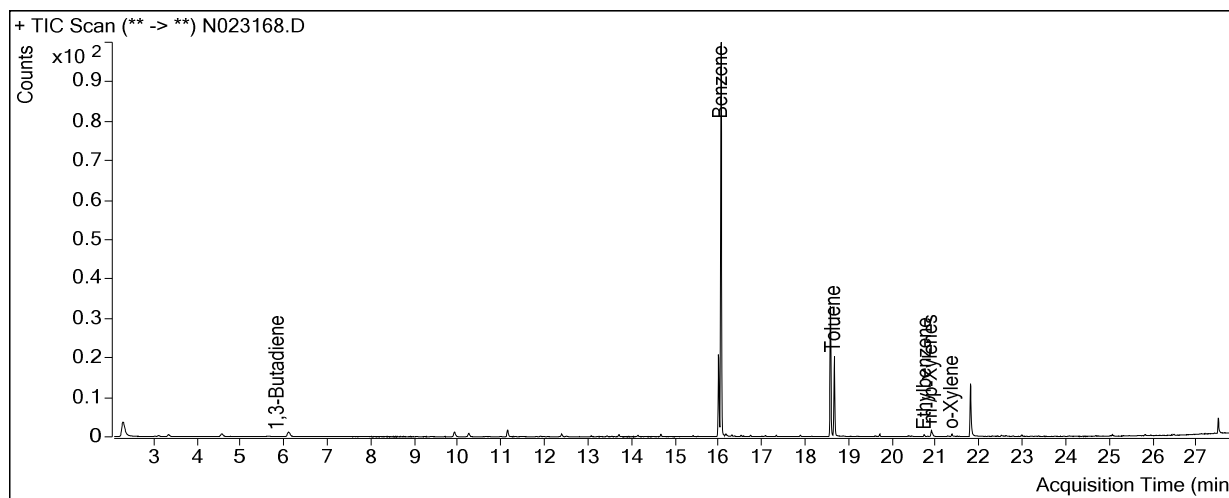
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	0	m
Benzene-d6 (IS)	15.97	998,453	

(m)=Manual Integration

1,3-Butadiene



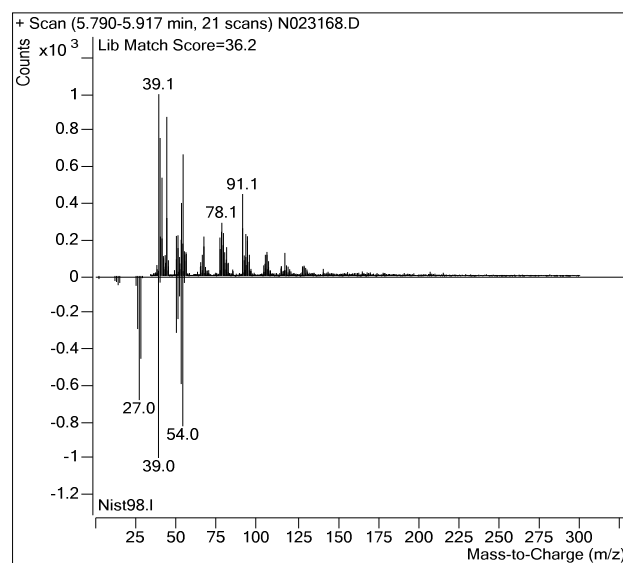
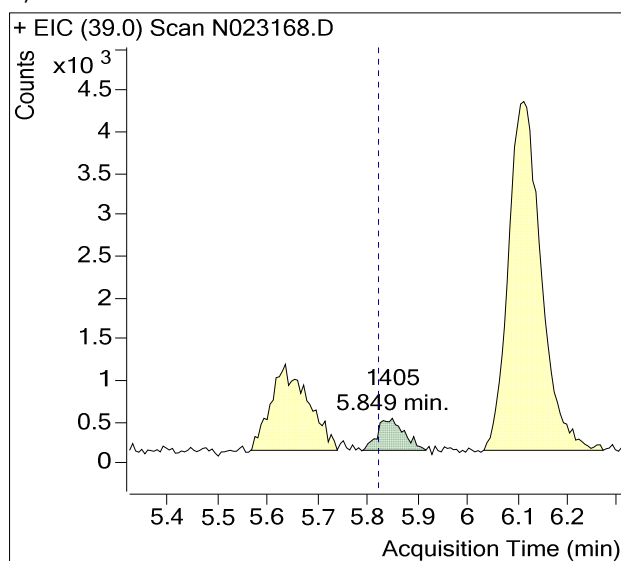
Sample Name : USSCL-PT03-S-20230214
Sample Info : B28011
Data File : N023168.D
Acquisition Date : 2023-03-13 22:33:54
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



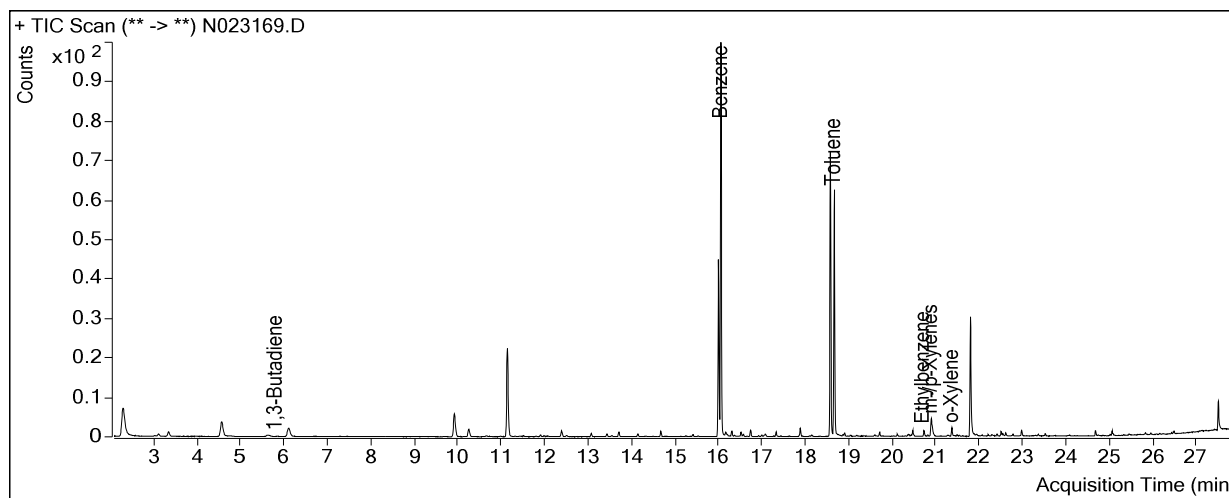
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,405	
Benzene-d6 (IS)	15.97	1,001,434	

(m)=Manual Integration

1,3-Butadiene



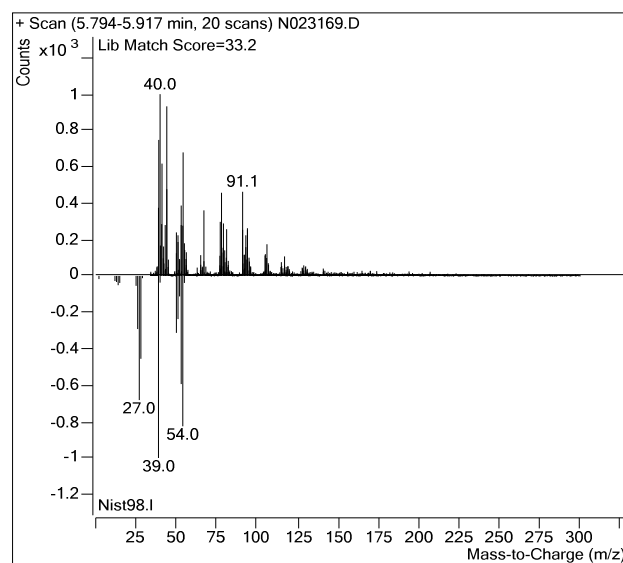
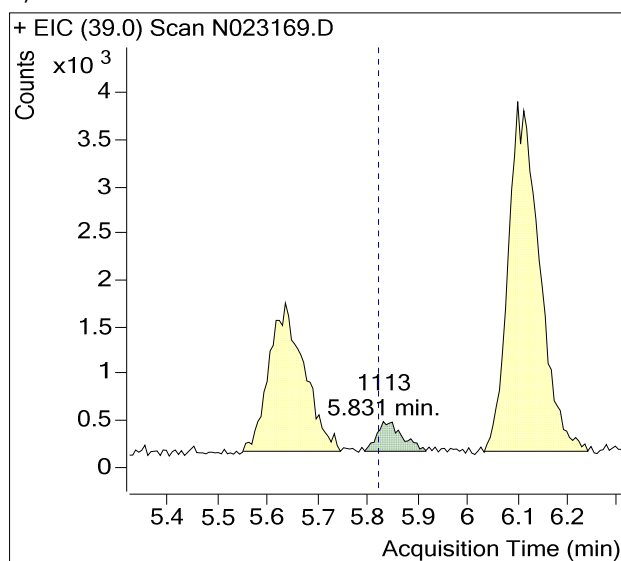
Sample Name : USSCL-PT04-S-20230214
Sample Info : B46244
Data File : N023169.D
Acquisition Date : 2023-03-13 23:13:42
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



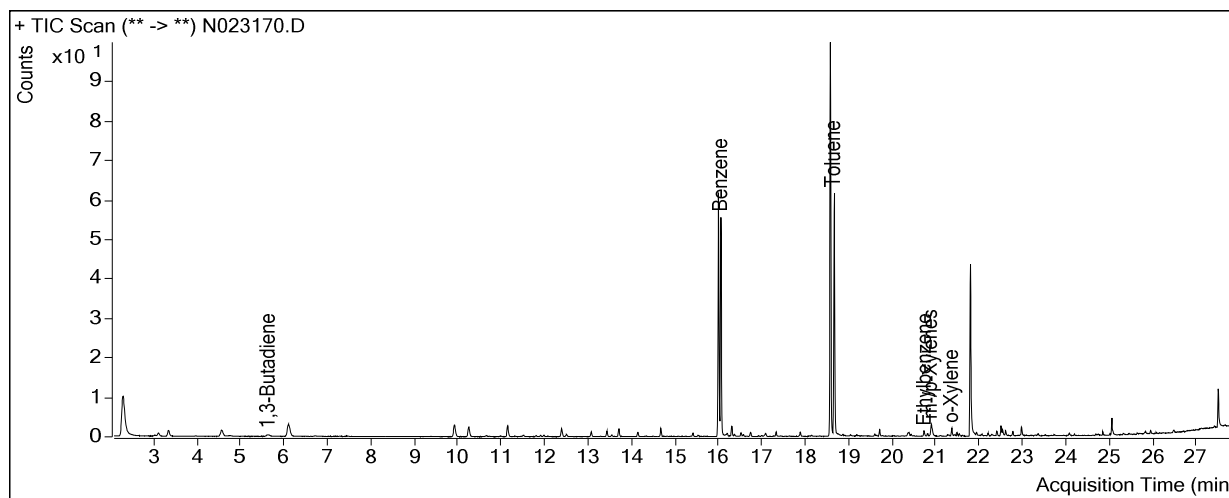
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,113	
Benzene-d6 (IS)	15.97	1,010,792	

(m)=Manual Integration

1,3-Butadiene



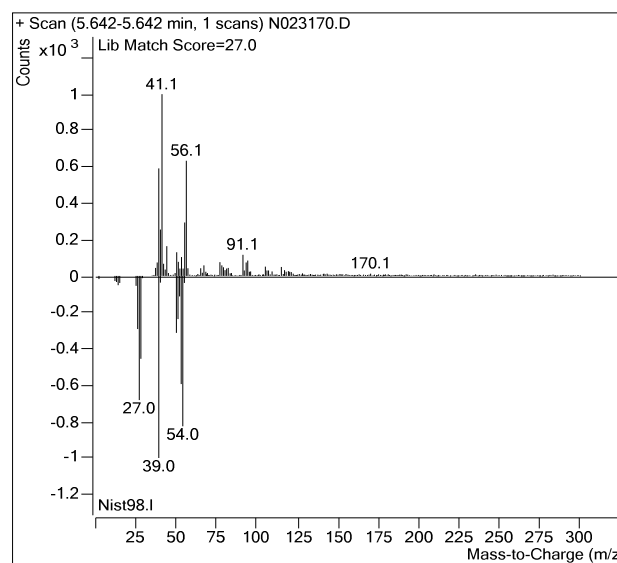
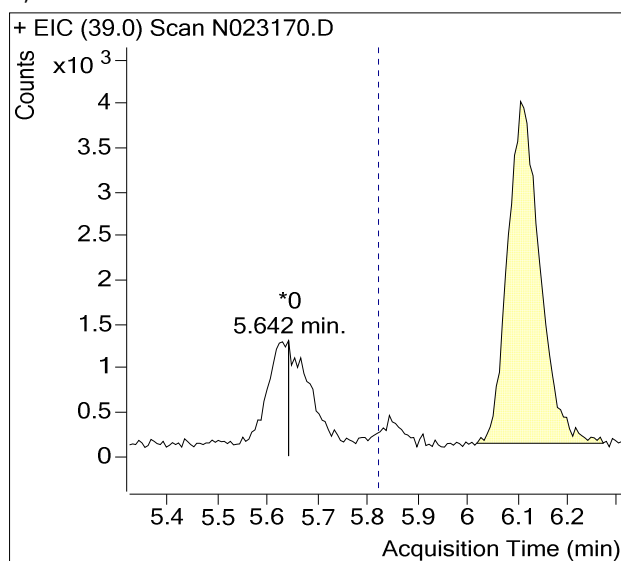
Sample Name : USSCL-PT05-S-20230214
Sample Info : B50903
Data File : N023170.D
Acquisition Date : 2023-03-13 23:53:28
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



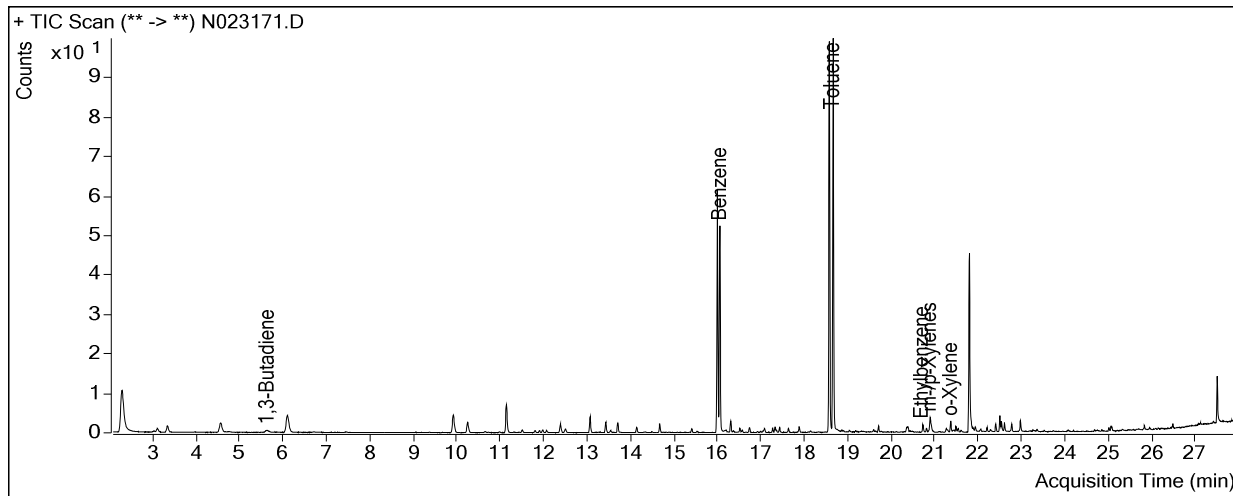
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	0	m
Benzene-d6 (IS)	15.97	1,012,656	

(m)=Manual Integration

1,3-Butadiene



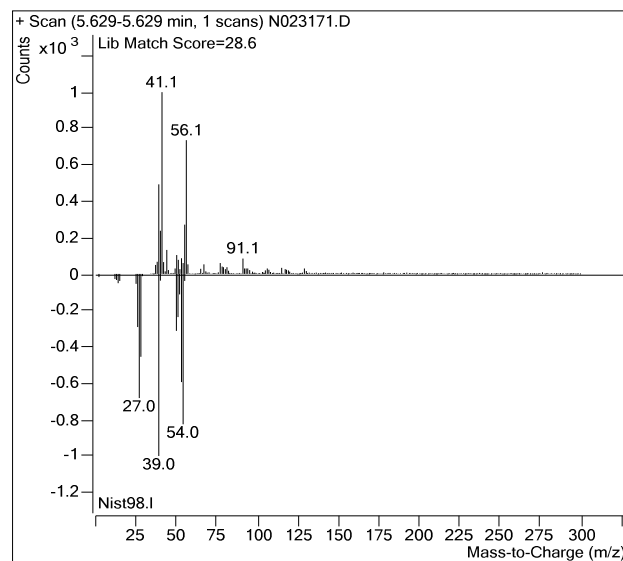
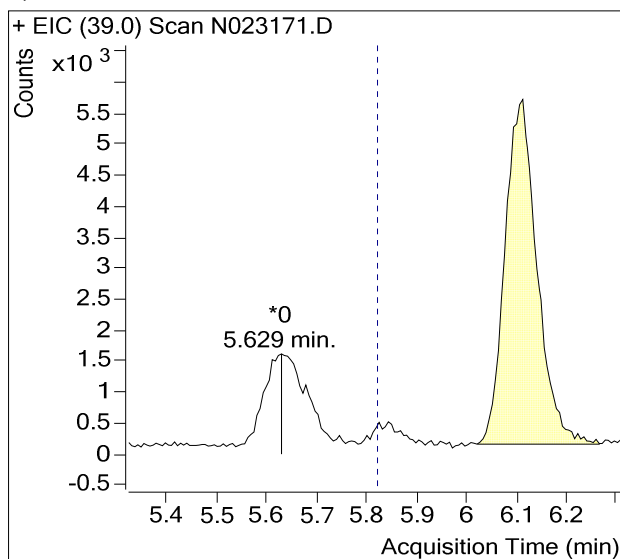
Sample Name : USSCL-PT06-S-20230214
Sample Info : B20648
Data File : N023171.D
Acquisition Date : 2023-03-14 00:33:16
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



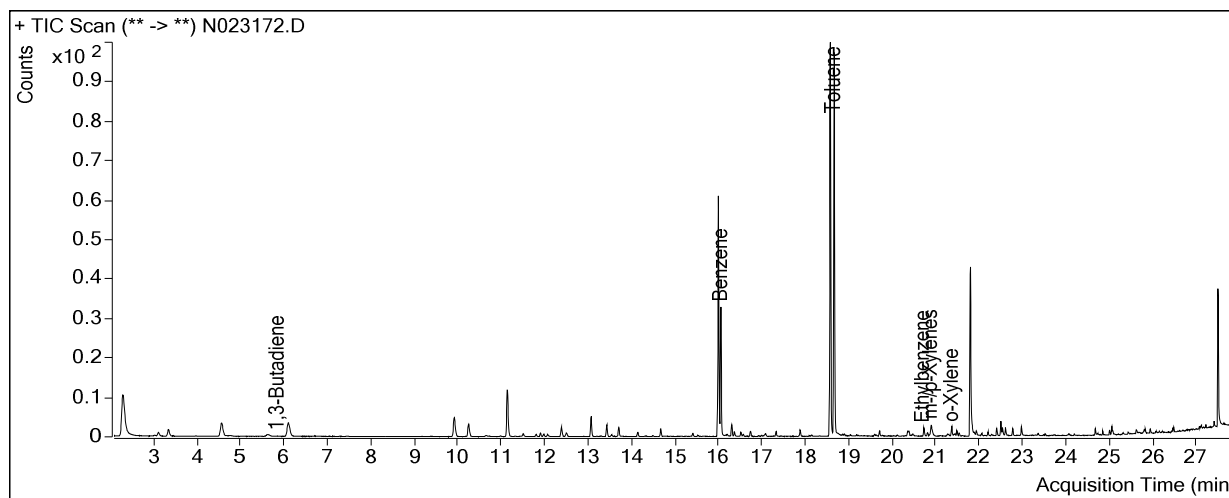
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	0	m
Benzene-d6 (IS)	15.97	1,008,747	

(m)=Manual Integration

1,3-Butadiene



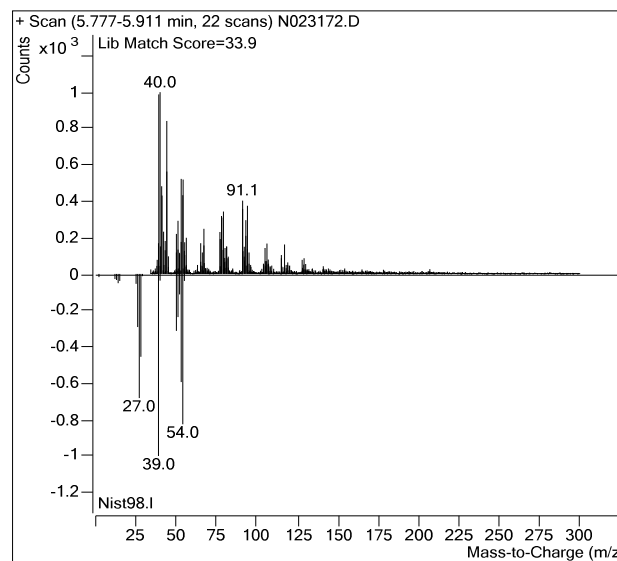
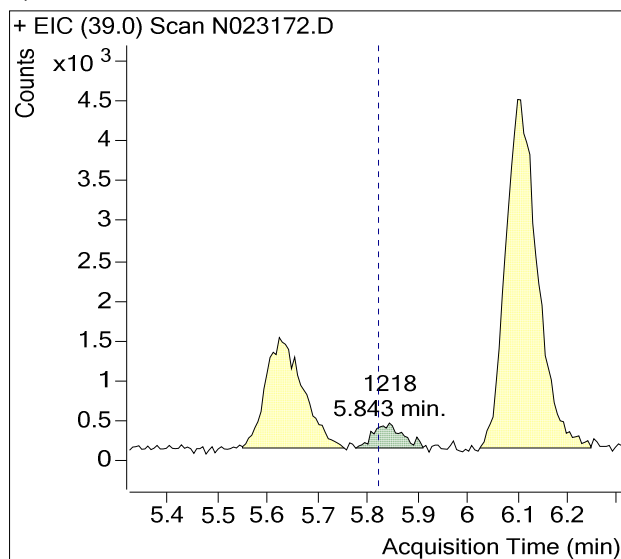
Sample Name : USSCL-PT07-S-20230214
Sample Info : B20212
Data File : N023172.D
Acquisition Date : 2023-03-14 01:13:02
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



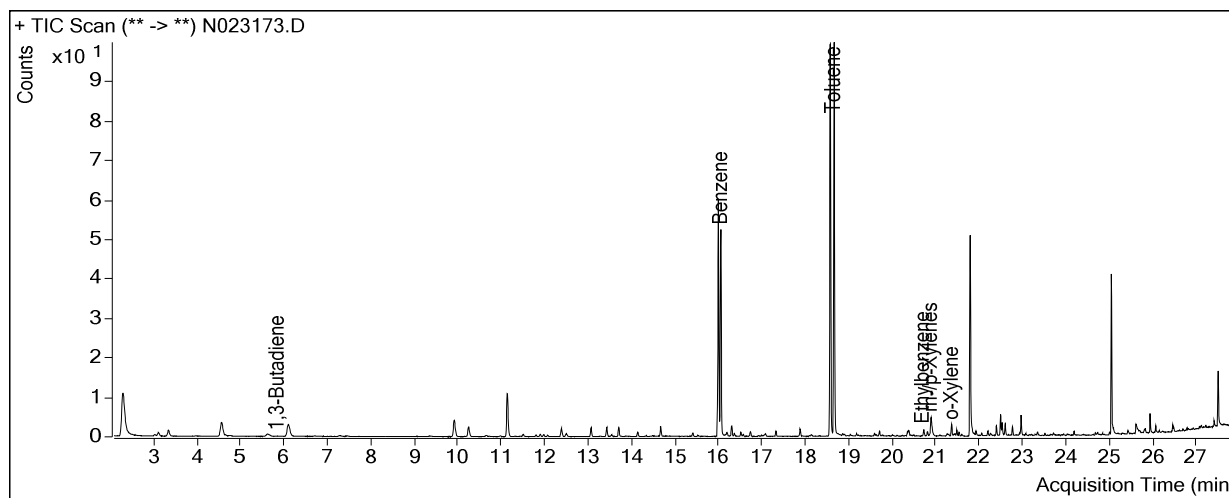
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,218	
Benzene-d6 (IS)	15.97	1,014,932	

(m)=Manual Integration

1,3-Butadiene



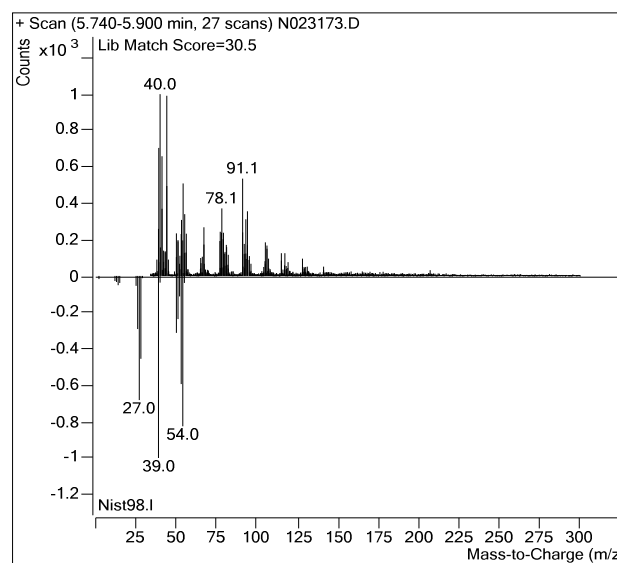
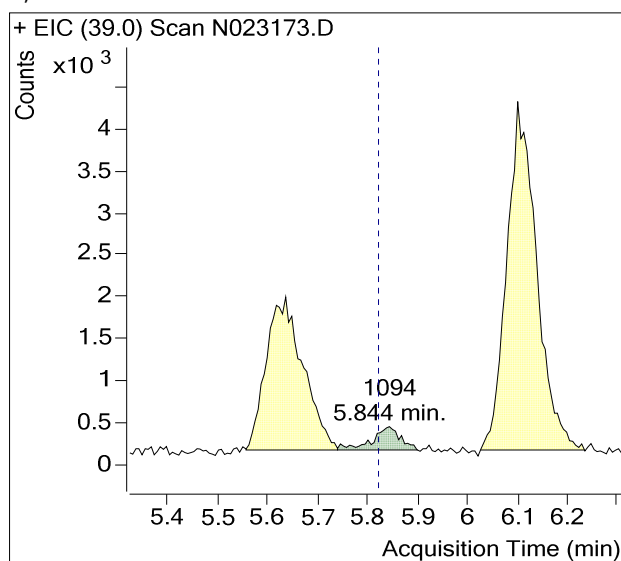
Sample Name : USSCL-PT08-S-20230214
Sample Info : C01589
Data File : N023173.D
Acquisition Date : 2023-03-14 01:52:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



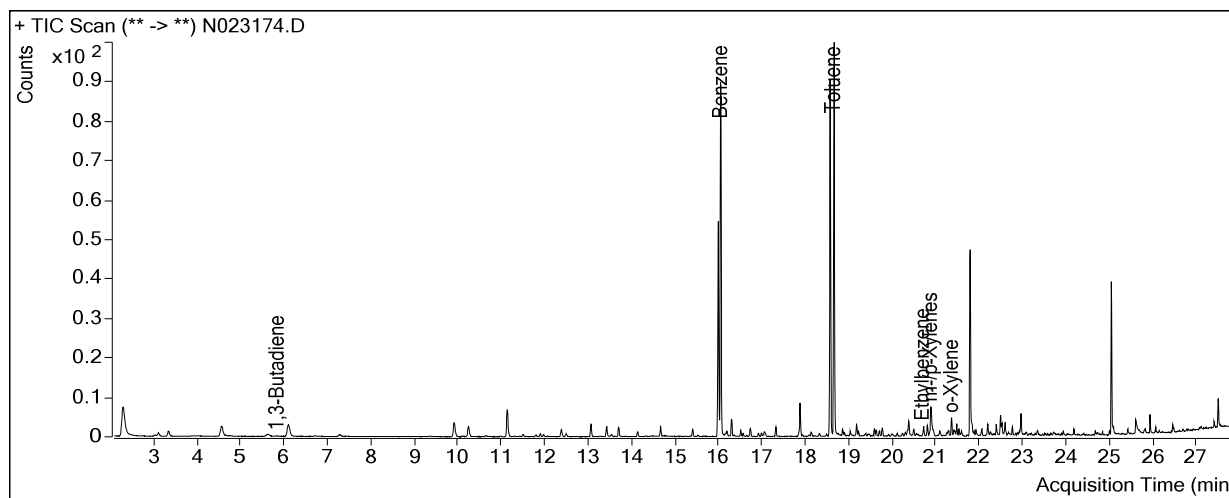
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,094	
Benzene-d6 (IS)	15.97	1,007,665	

(m)=Manual Integration

1,3-Butadiene



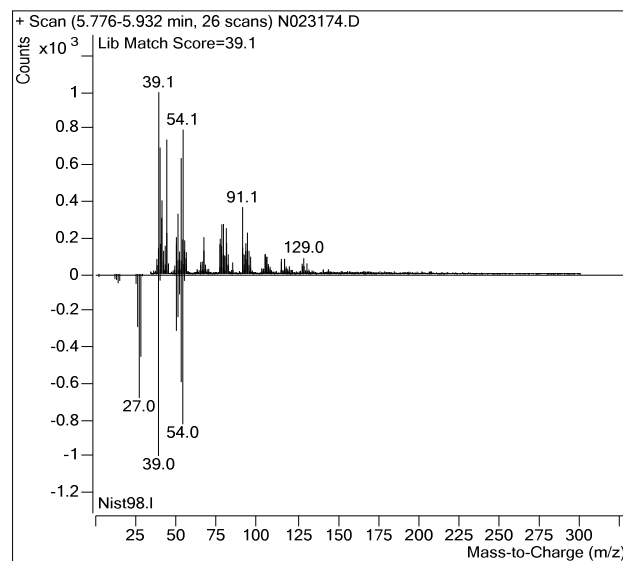
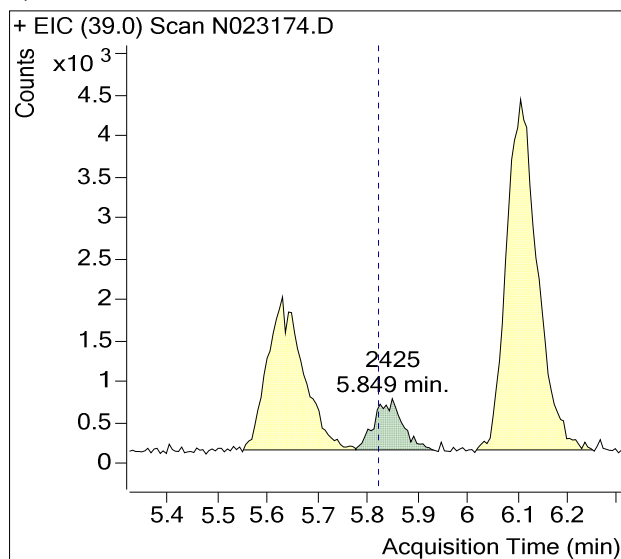
Sample Name : USSCL-PT09-S-20230214
Sample Info : B46914
Data File : N023174.D
Acquisition Date : 2023-03-14 02:32:38
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



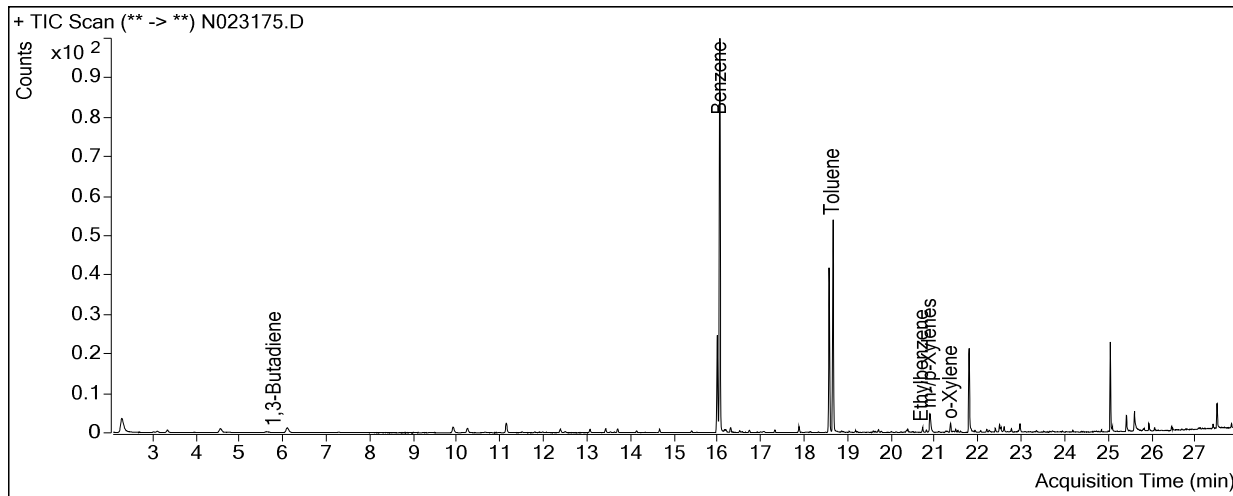
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	2,425	
Benzene-d6 (IS)	15.97	1,009,208	

(m)=Manual Integration

1,3-Butadiene



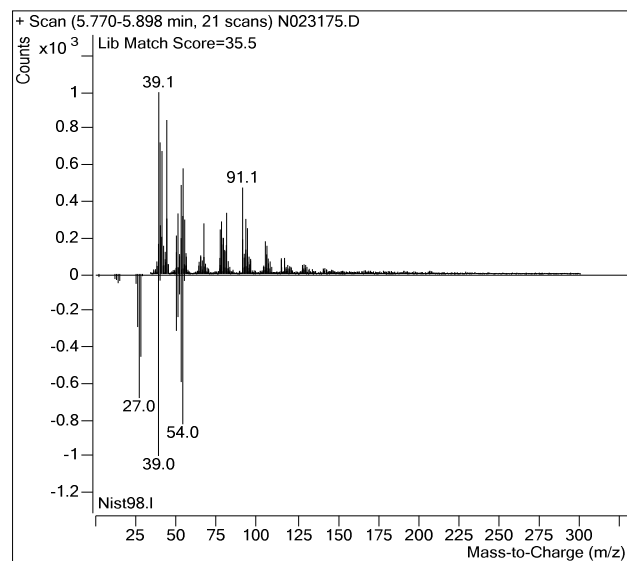
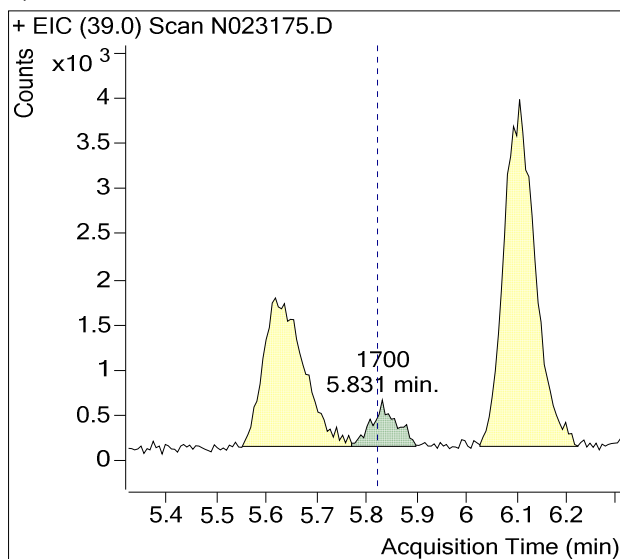
Sample Name : USSCL-PT10-S-20230214
Sample Info : B48071
Data File : N023175.D
Acquisition Date : 2023-03-14 03:12:28
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



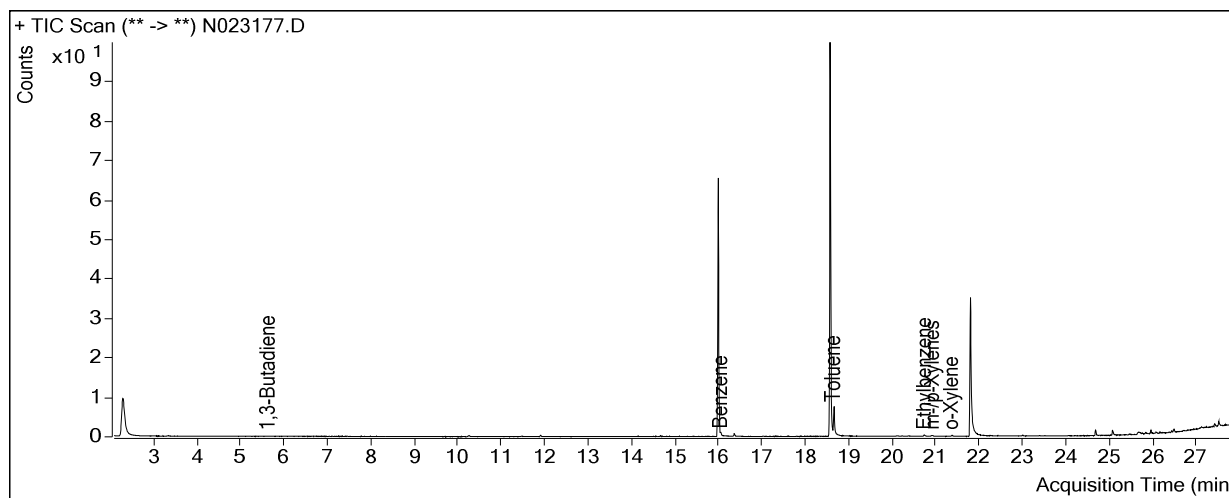
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,700	
Benzene-d6 (IS)	15.97	1,021,010	

(m)=Manual Integration

1,3-Butadiene



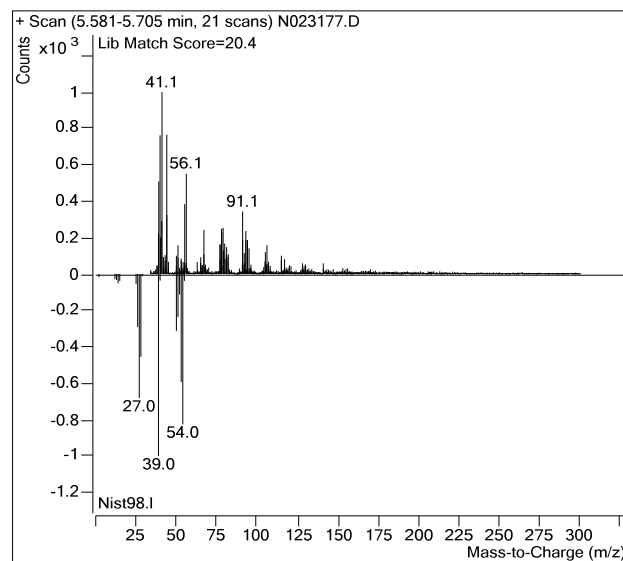
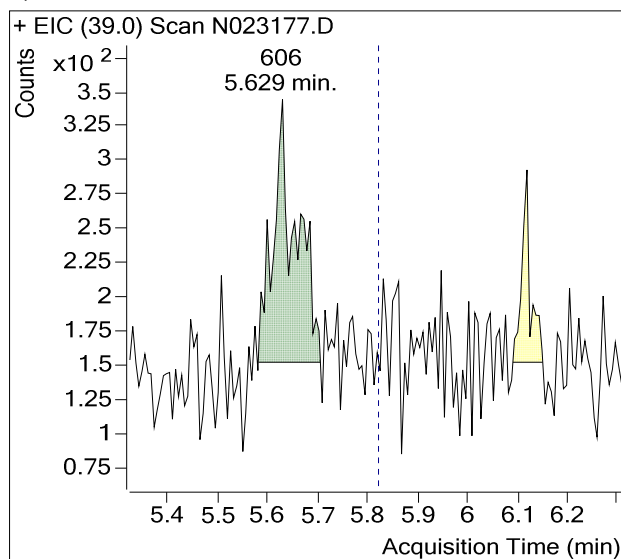
Sample Name : USSCL-PT10-B-20230214
Sample Info : C02013
Data File : N023177.D
Acquisition Date : 2023-03-14 04:32:02
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



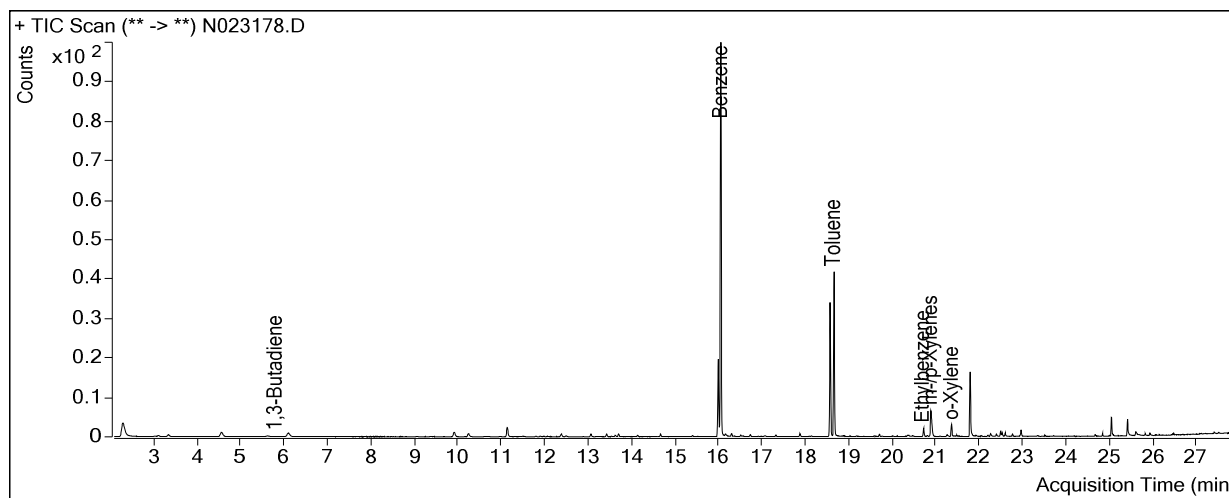
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	606	
Benzene-d6 (IS)	15.97	1,004,391	

(m)=Manual Integration

1,3-Butadiene



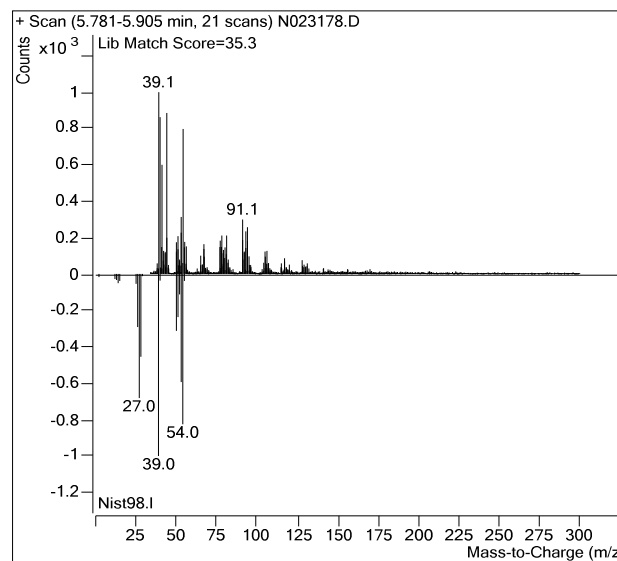
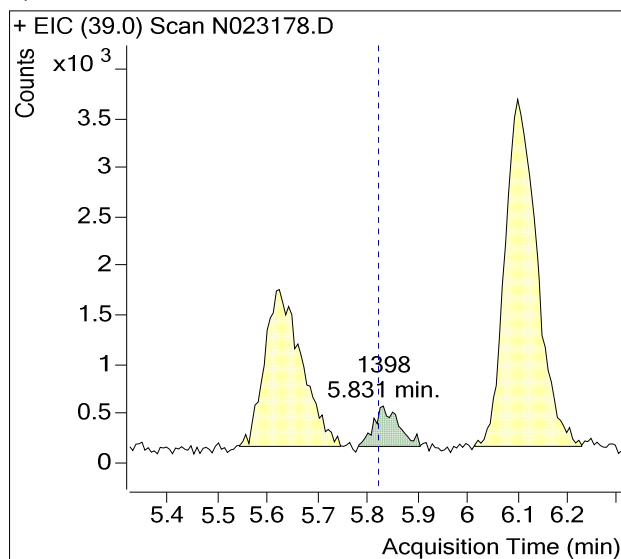
Sample Name : USSCL-PT11-S-20230214
Sample Info : B20829
Data File : N023178.D
Acquisition Date : 2023-03-14 05:11:50
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



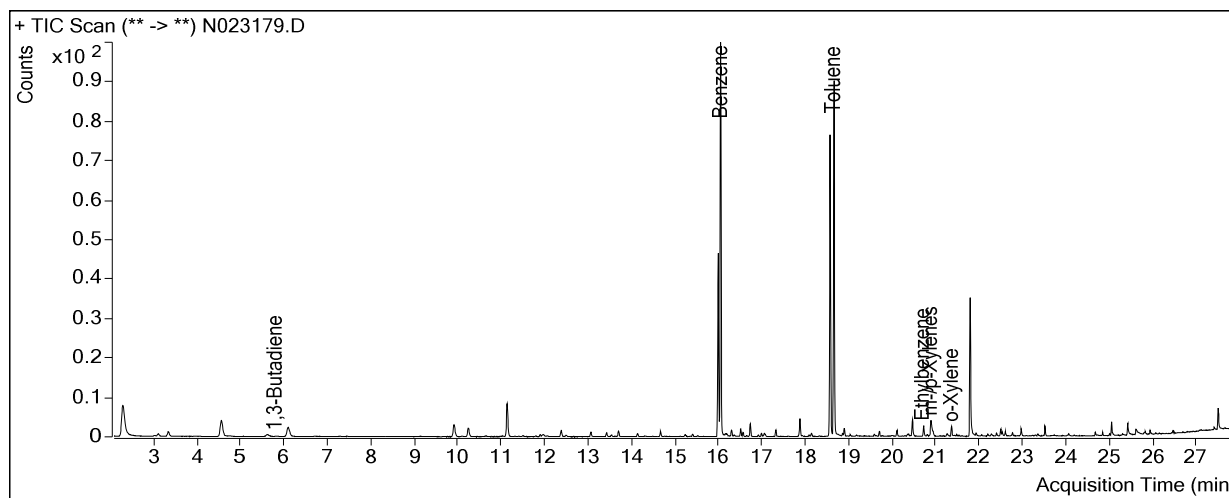
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,398	
Benzene-d6 (IS)	15.97	1,014,469	

(m)=Manual Integration

1,3-Butadiene



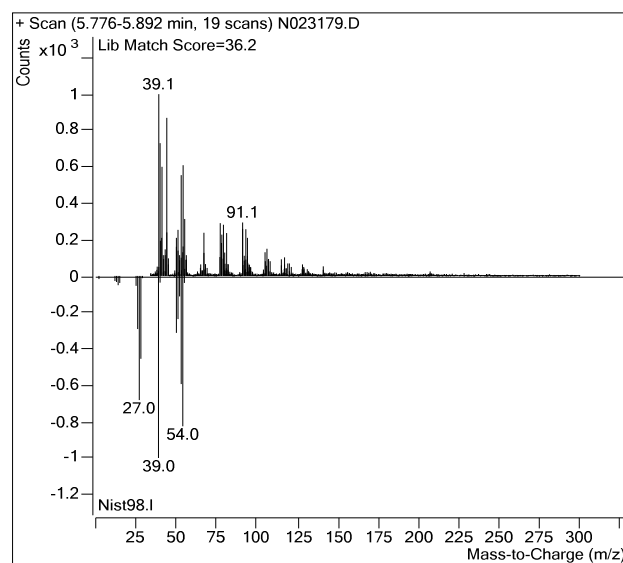
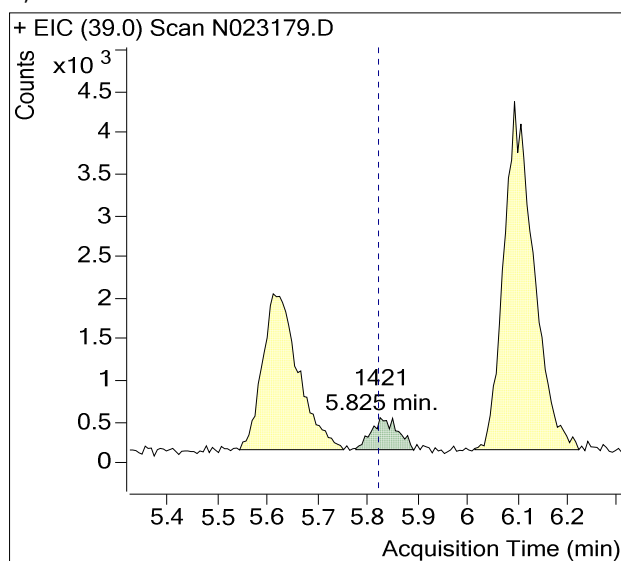
Sample Name : USSCL-PT12-S-20230214
Sample Info : B19739
Data File : N023179.D
Acquisition Date : 2023-03-14 05:51:37
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



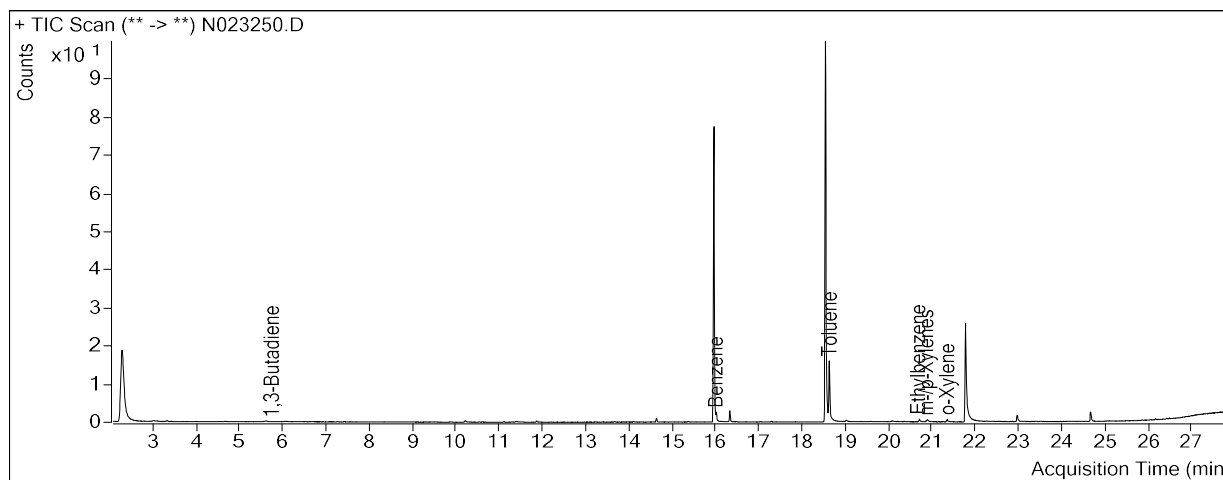
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.82	1,421	
Benzene-d6 (IS)	15.97	1,011,611	

(m)=Manual Integration

1,3-Butadiene



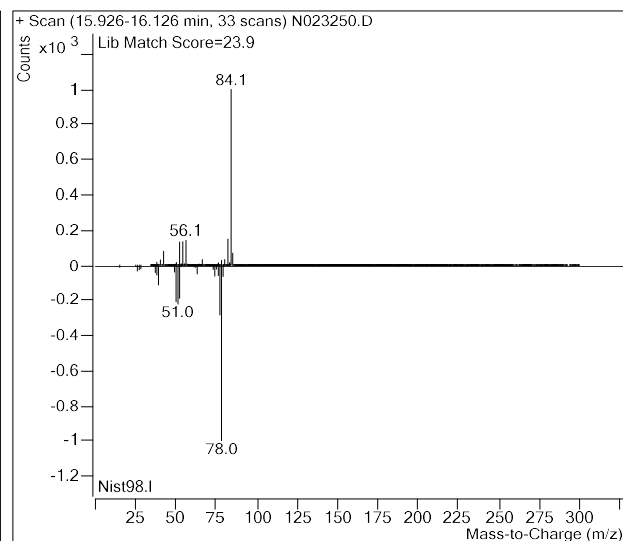
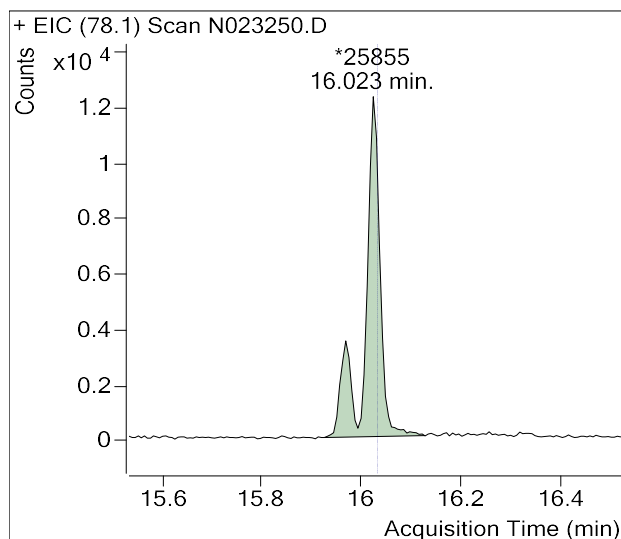
Sample Name : 2023EE105 Method Blank
Sample Info : B40420;Recollect
Data File : N023250.D
Acquisition Date : 2023-03-21 17:10:57
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	852,675	
Benzene	16.03	25,855	m
Toluene-d8 (IS)	18.55	932,513	
Toluene	18.64	157,603	
Ethylbenzene	20.70	8,311	
m-/p-Xylenes	20.89	6,564	m
o-Xylene	21.32	6,173	

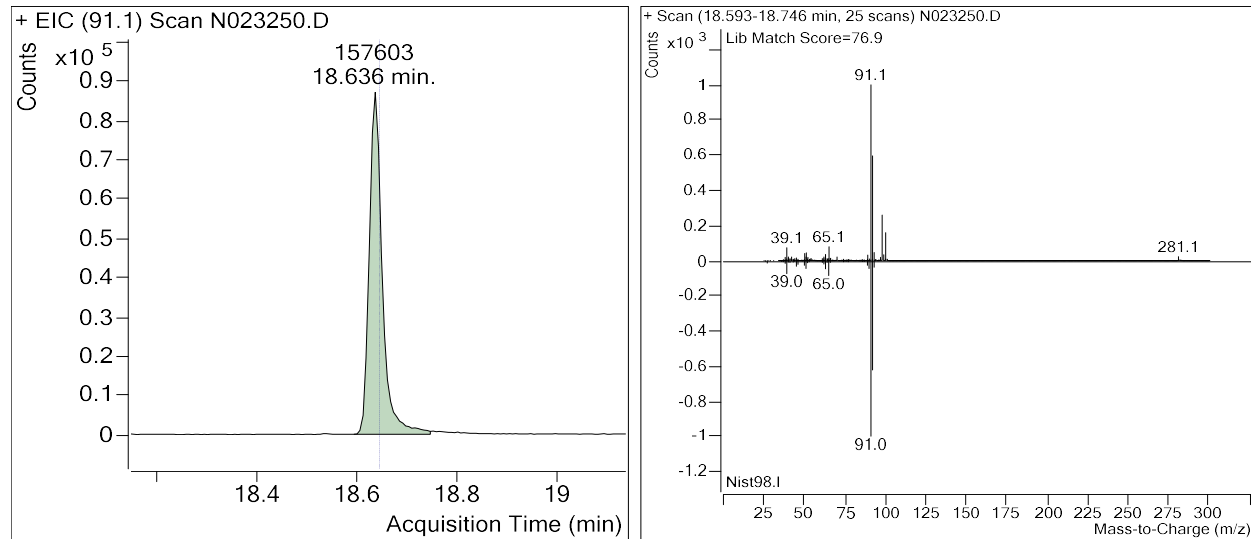
(m)=Manual Integration

Benzene

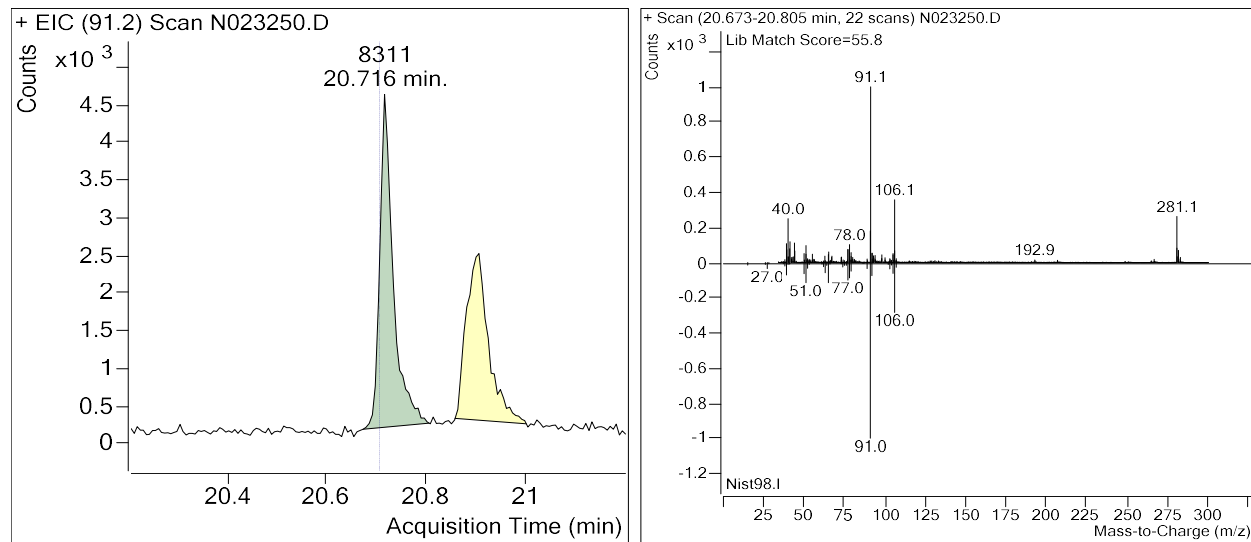


Sample Name : 2023EE105 Method Blank
Sample Info : B40420;Recollect
Data File : N023250.D
Acquisition Date : 2023-03-21 17:10:57
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

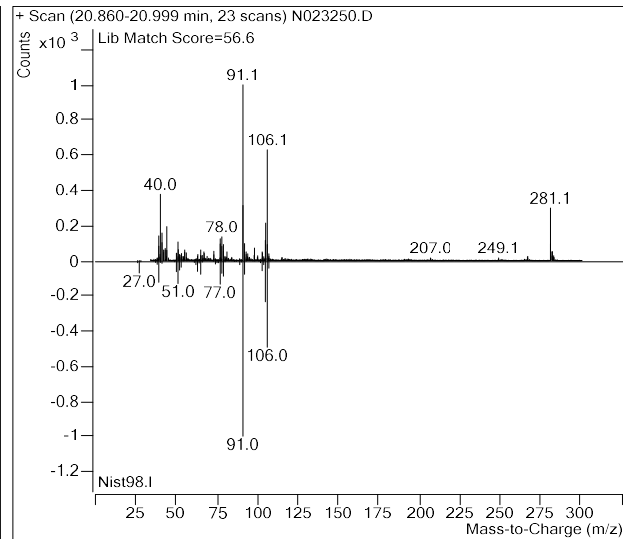
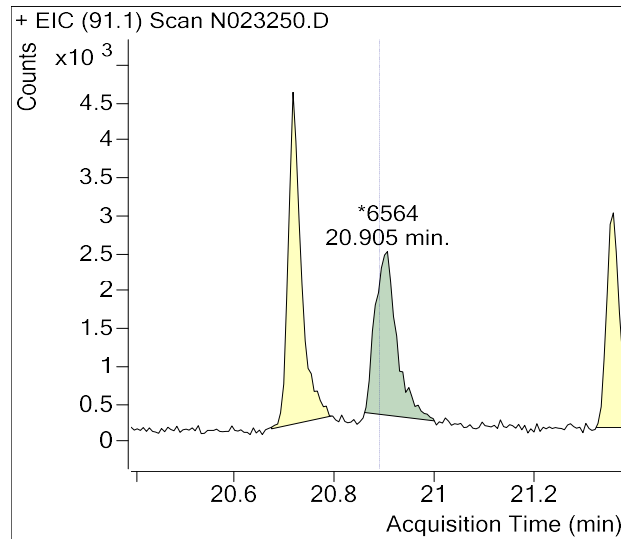


Ethylbenzene

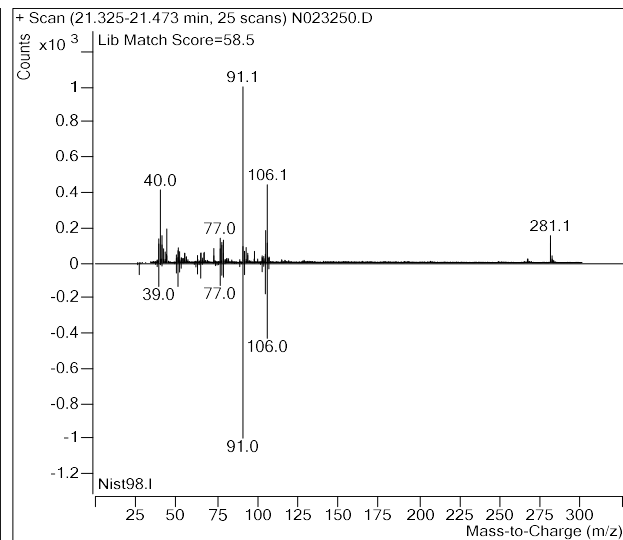
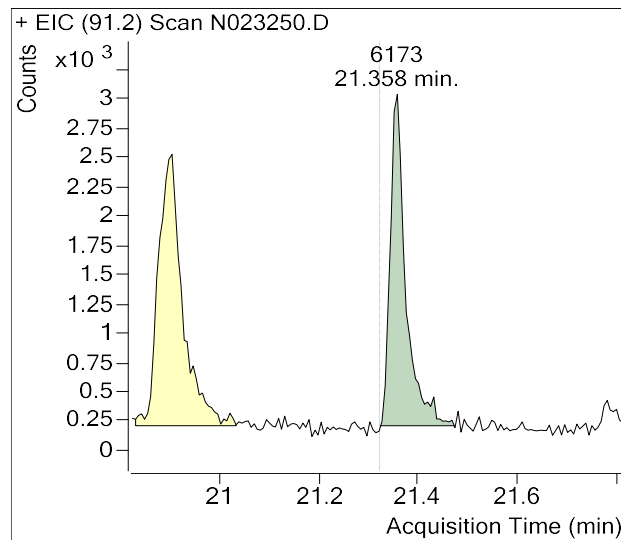


Sample Name : 2023EE105 Method Blank
Sample Info : B40420;Recollect
Data File : N023250.D
Acquisition Date : 2023-03-21 17:10:57
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

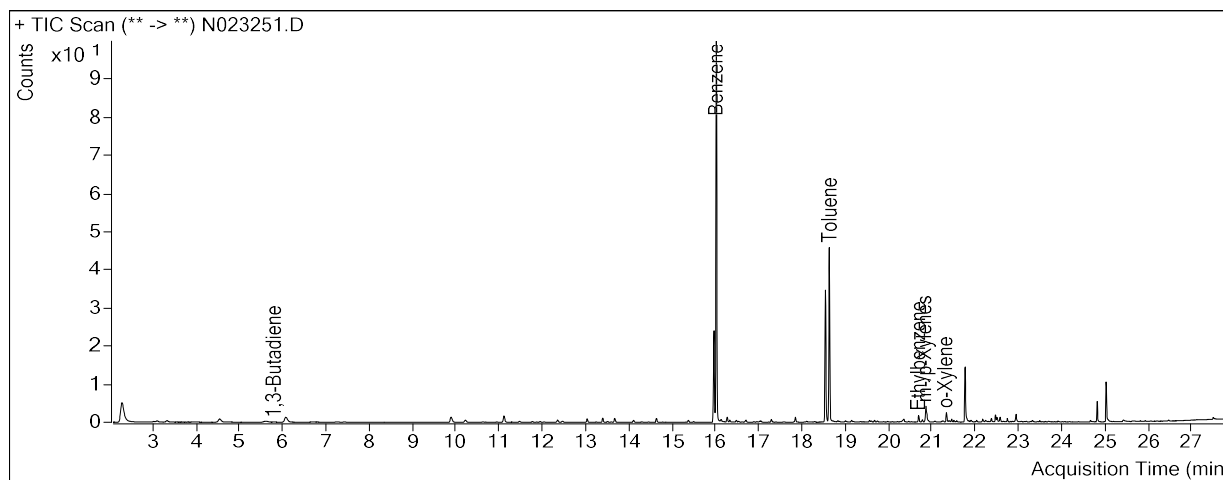
m-/p-Xylenes



o-Xylene



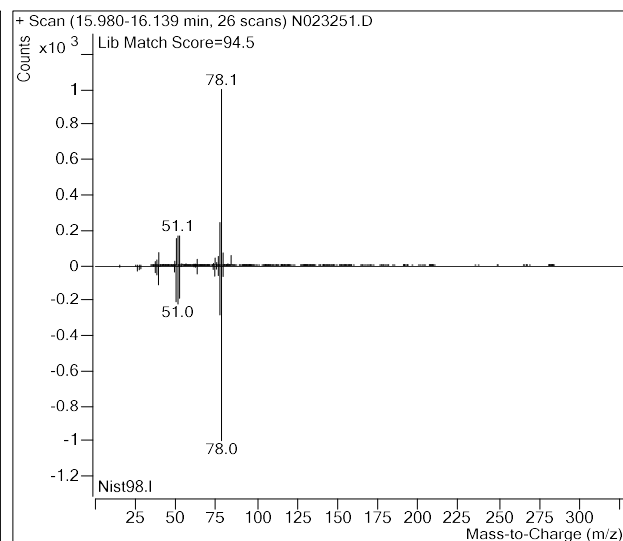
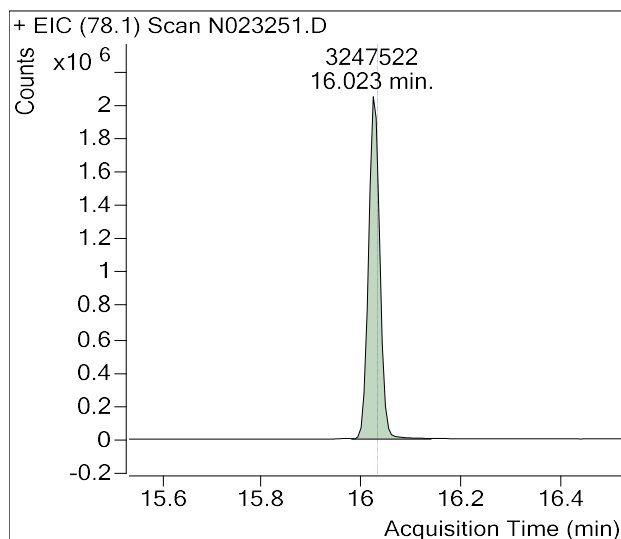
Sample Name : USSCL-PT10-D-20230214
Sample Info : B45055;Recollect
Data File : N023251.D
Acquisition Date : 2023-03-21 17:48:29
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	863,218	
Benzene	16.03	3,247,522	
Toluene-d8 (IS)	18.55	955,741	
Toluene	18.64	1,380,278	
Ethylbenzene	20.70	53,921	
m-/p-Xylenes	20.89	143,706	
o-Xylene	21.32	55,329	

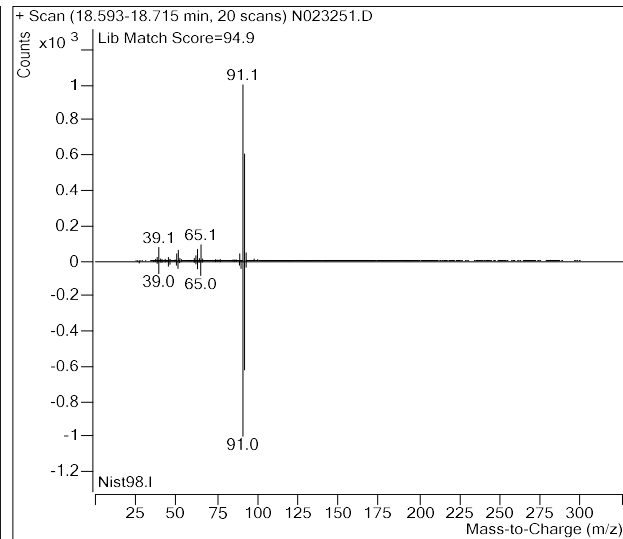
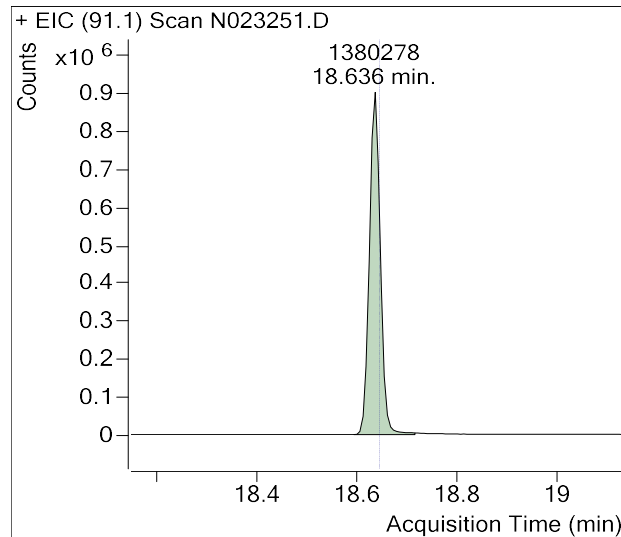
(m)=Manual Integration

Benzene

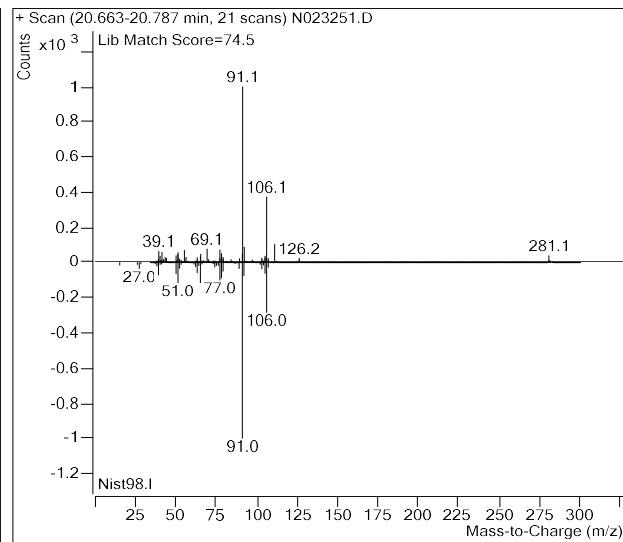
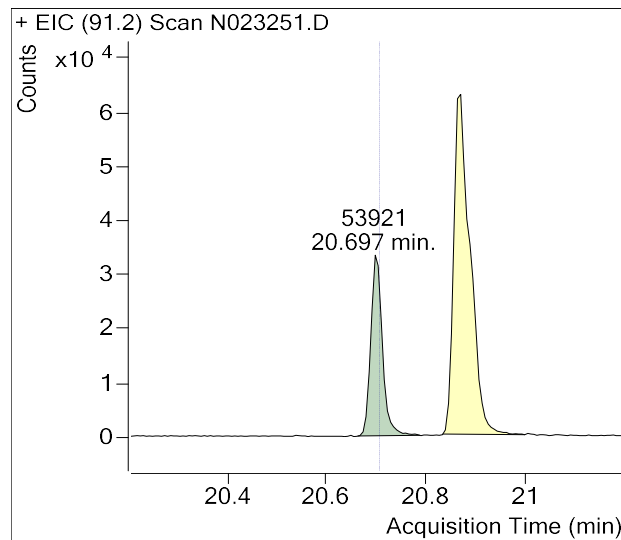


Sample Name : USSCL-PT10-D-20230214
Sample Info : B45055;Recollect
Data File : N023251.D
Acquisition Date : 2023-03-21 17:48:29
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

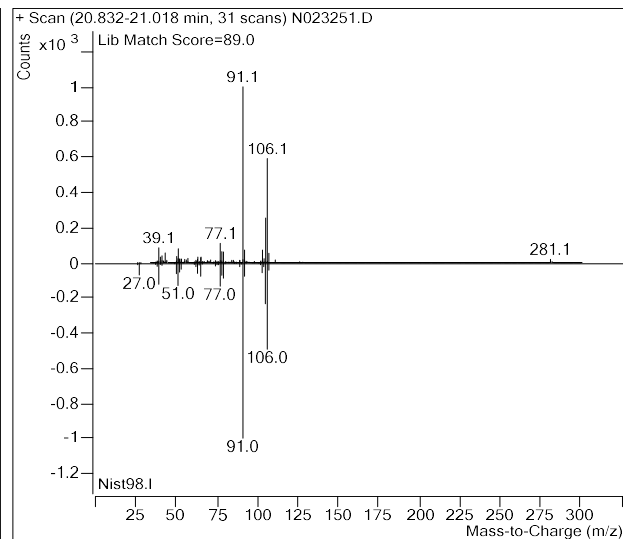
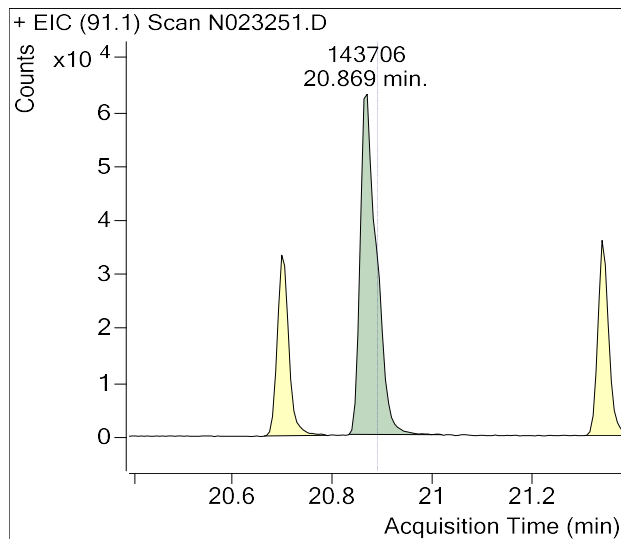


Ethylbenzene

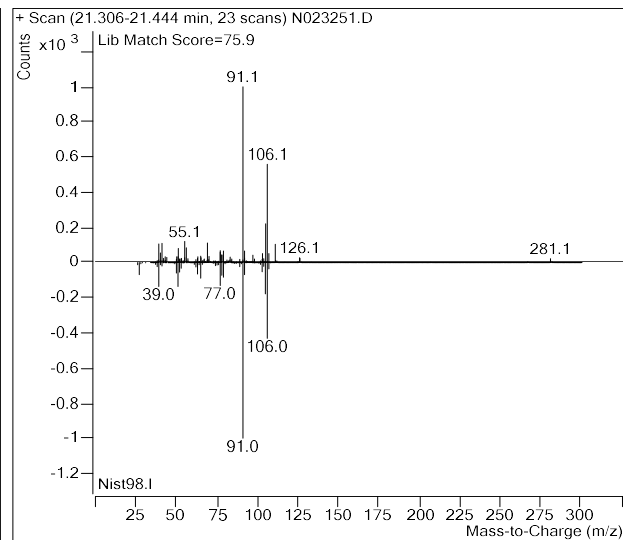
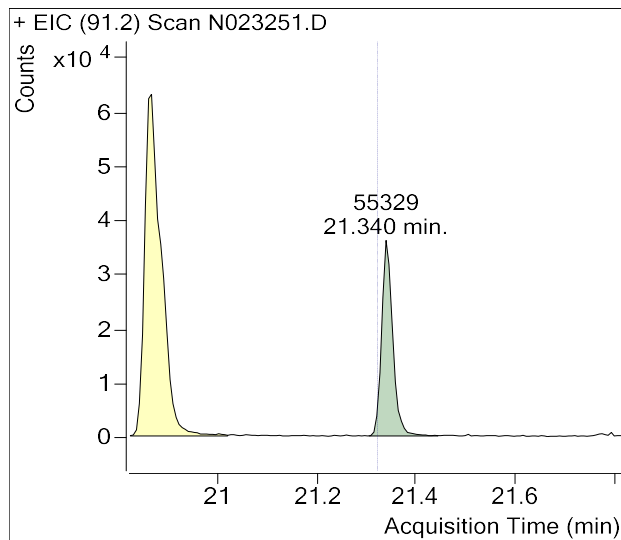


Sample Name : USSCL-PT10-D-20230214
Sample Info : B45055;Recollect
Data File : N023251.D
Acquisition Date : 2023-03-21 17:48:29
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

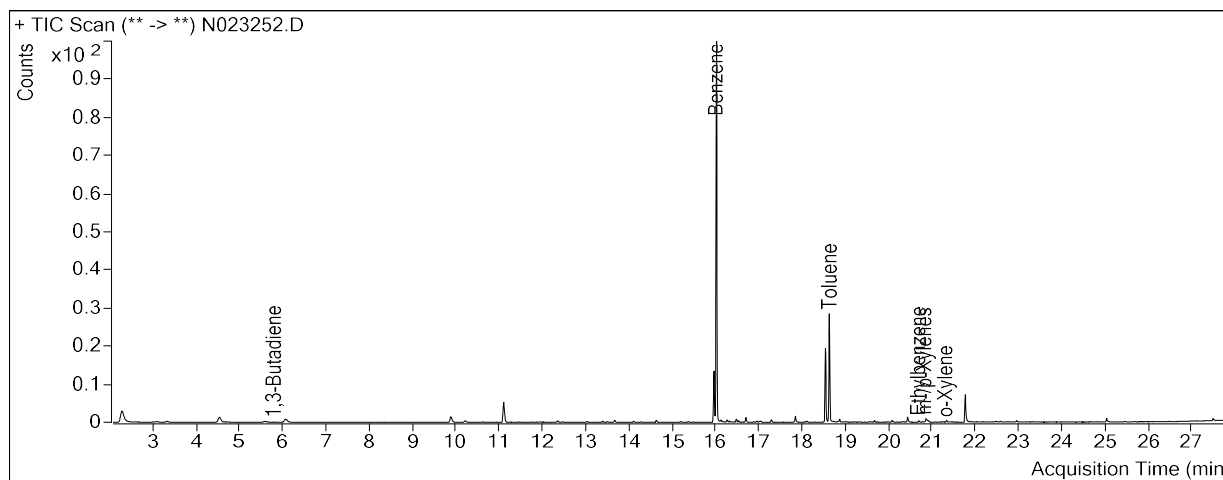
m-/p-Xylenes



o-Xylene



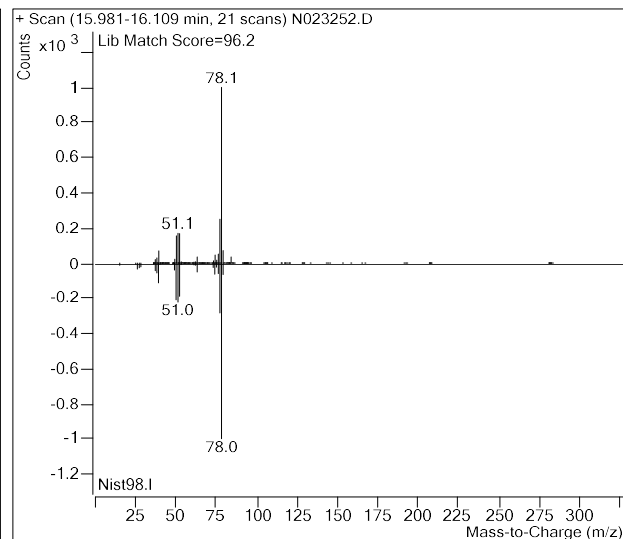
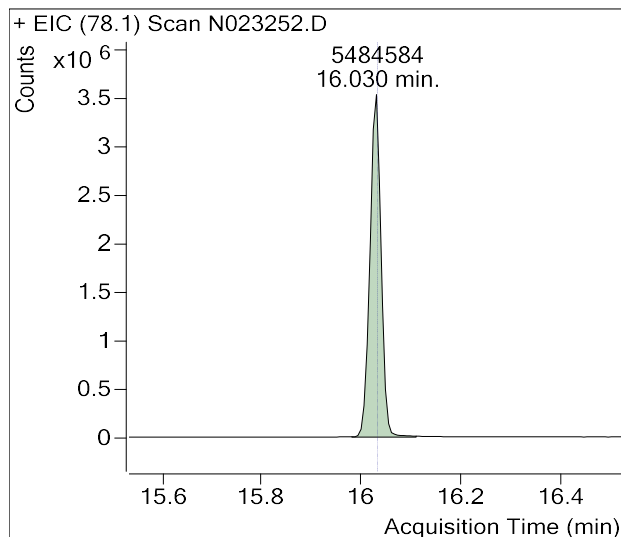
Sample Name : USSCL-PT01-S-20230214
Sample Info : B53280;Recollect
Data File : N023252.D
Acquisition Date : 2023-03-21 18:25:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	849,193	
Benzene	16.03	5,484,584	
Toluene-d8 (IS)	18.55	943,544	
Toluene	18.64	1,485,327	
Ethylbenzene	20.70	22,150	
m-/p-Xylenes	20.89	63,866	
o-Xylene	21.32	21,973	

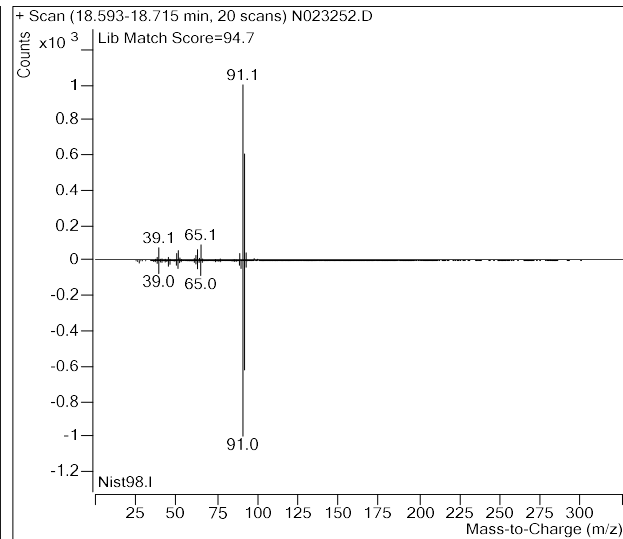
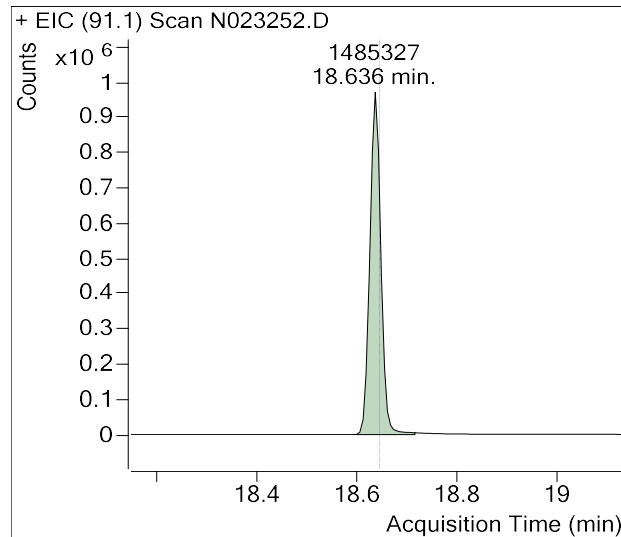
(m)=Manual Integration

Benzene

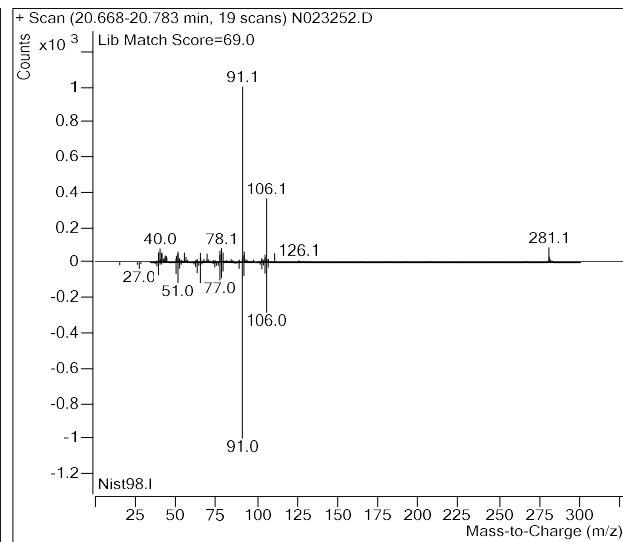
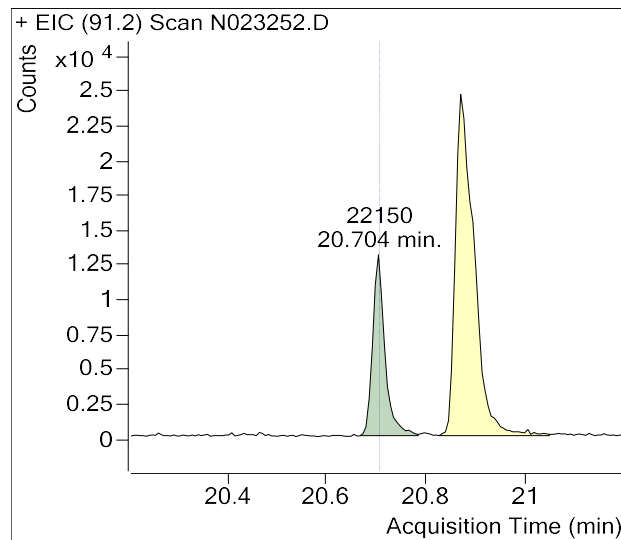


Sample Name : USSCL-PT01-S-20230214
Sample Info : B53280;Recollect
Data File : N023252.D
Acquisition Date : 2023-03-21 18:25:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

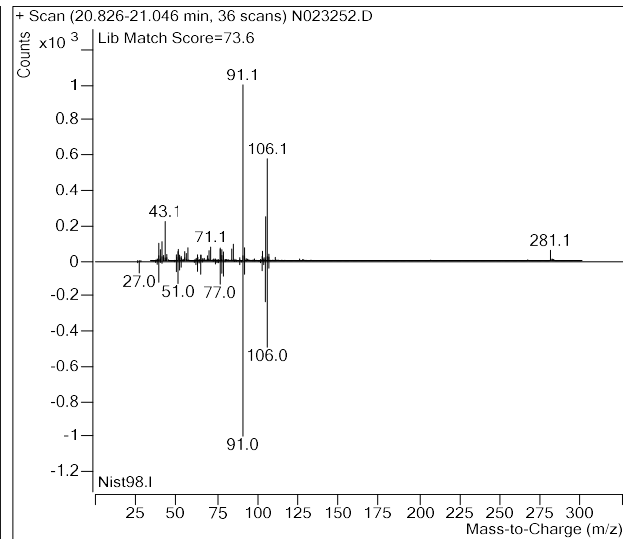
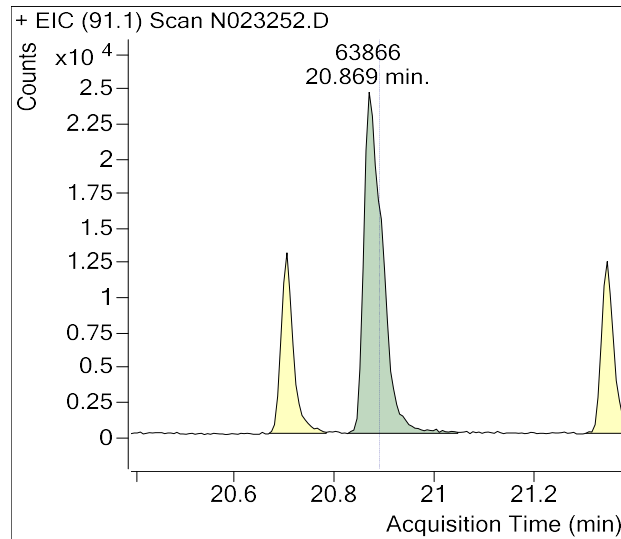


Ethylbenzene

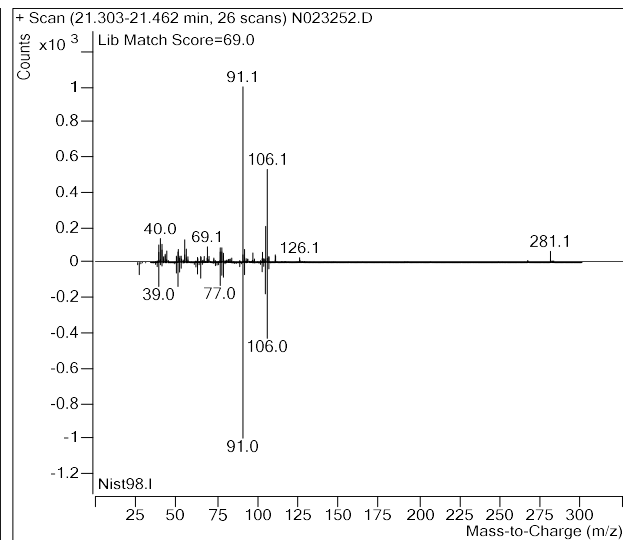
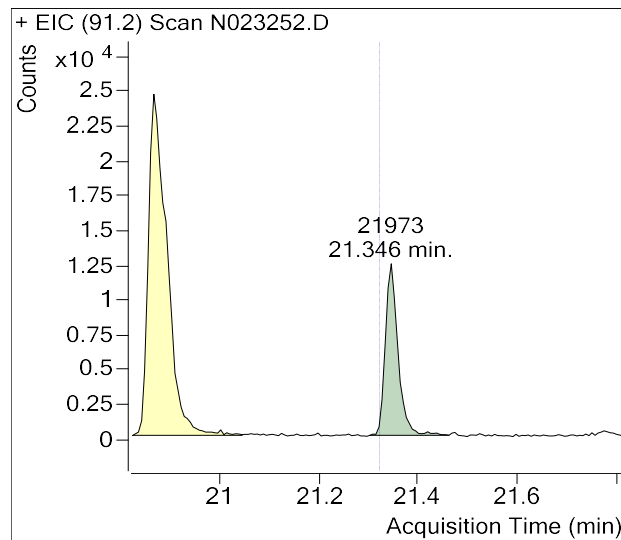


Sample Name : USSCL-PT01-S-20230214
Sample Info : B53280;Recollect
Data File : N023252.D
Acquisition Date : 2023-03-21 18:25:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

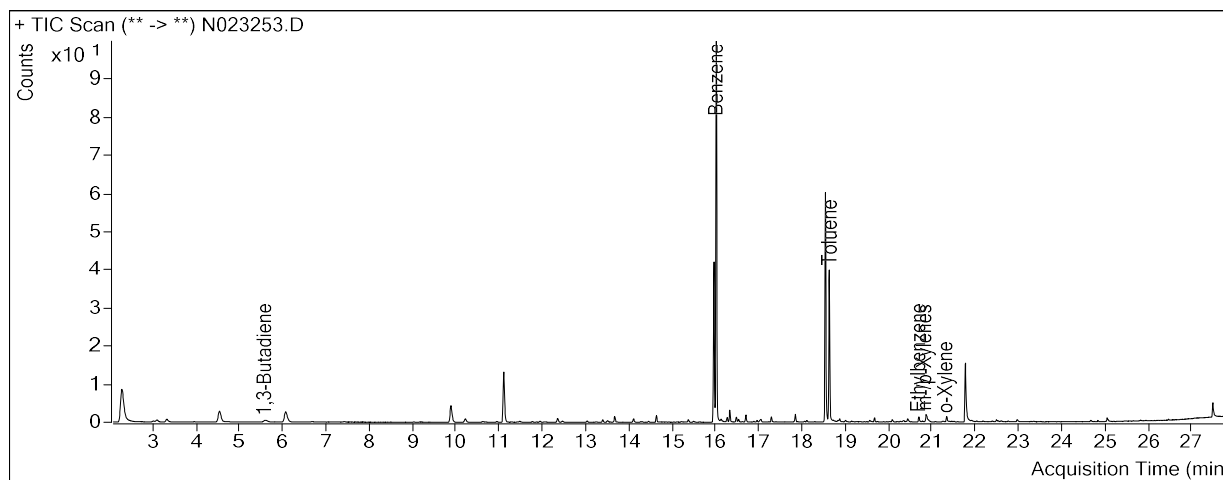
m-/p-Xylenes



o-Xylene



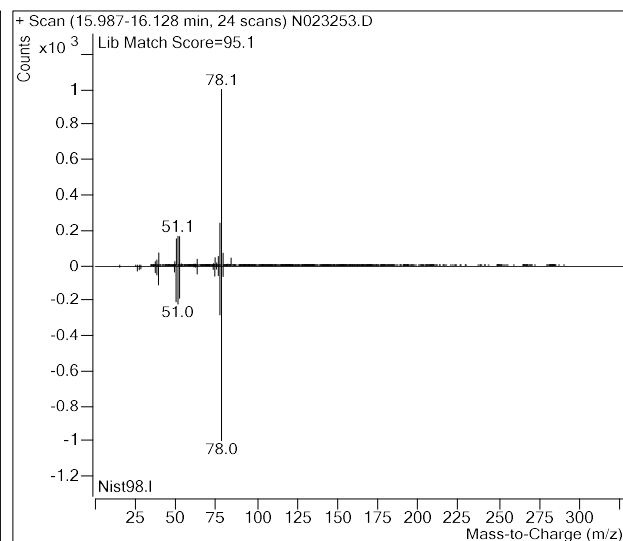
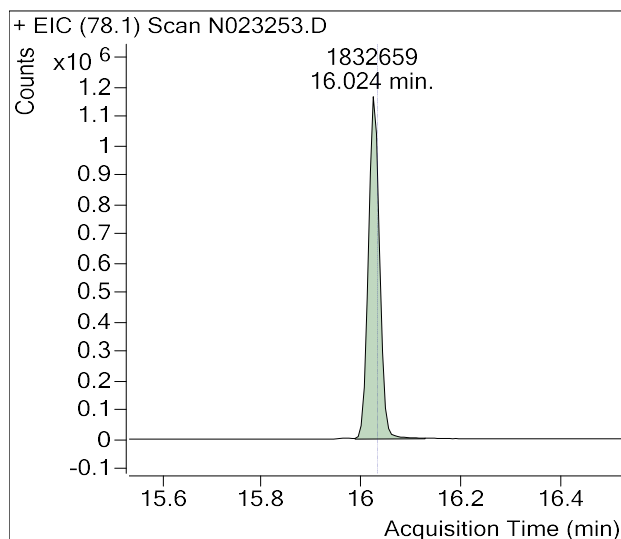
Sample Name : USSCL-PT02-S-20230214
Sample Info : B43404;Recollect
Data File : N023253.D
Acquisition Date : 2023-03-21 19:03:25
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	842,766	
Benzene	16.03	1,832,659	
Toluene-d8 (IS)	18.55	924,624	
Toluene	18.64	692,250	
Ethylbenzene	20.70	28,837	
m-/p-Xylenes	20.89	45,887	
o-Xylene	21.32	22,433	

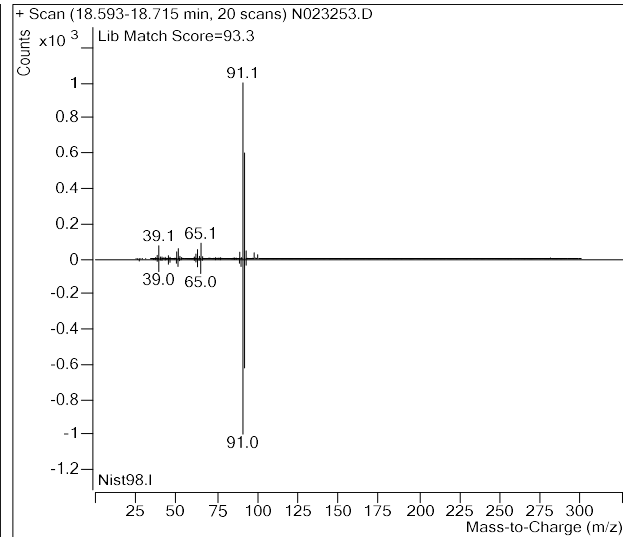
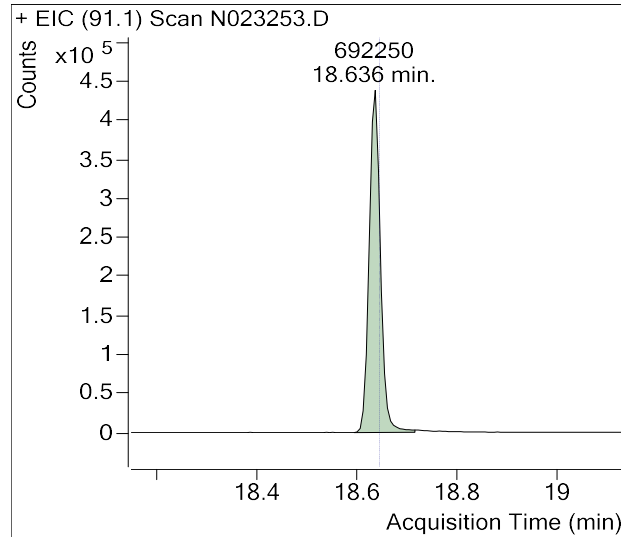
(m)=Manual Integration

Benzene

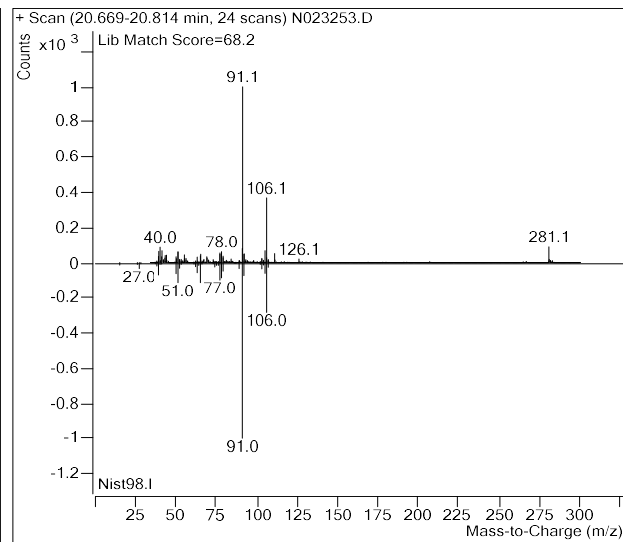
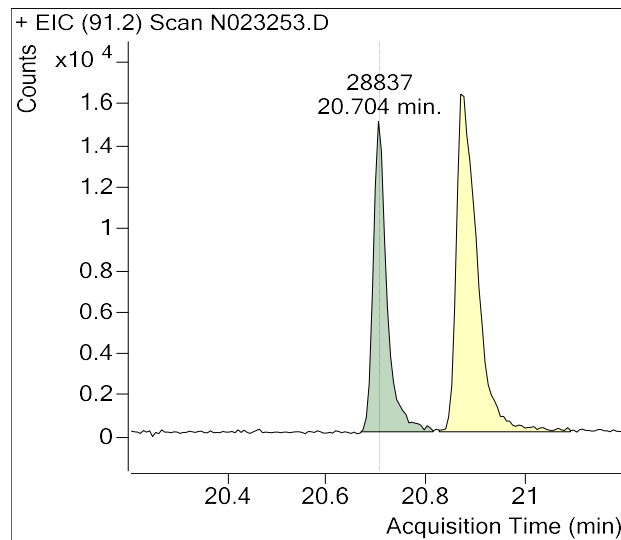


Sample Name : USSCL-PT02-S-20230214
Sample Info : B43404;Recollect
Data File : N023253.D
Acquisition Date : 2023-03-21 19:03:25
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

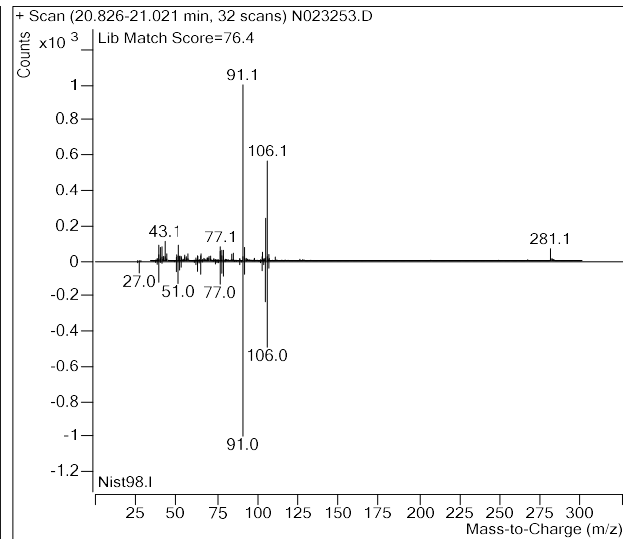
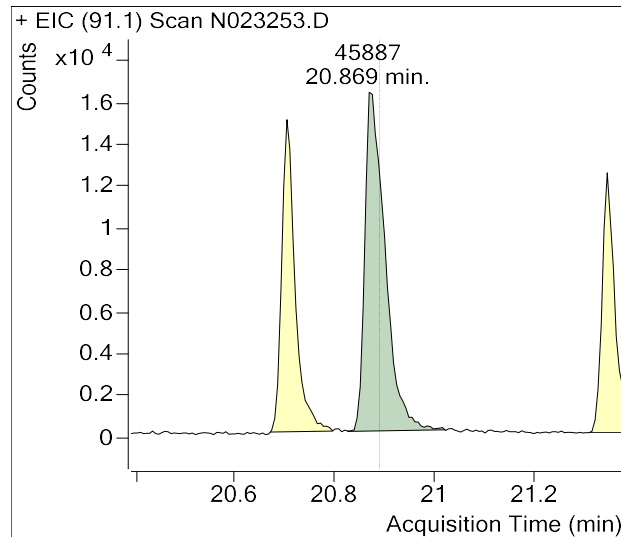


Ethylbenzene

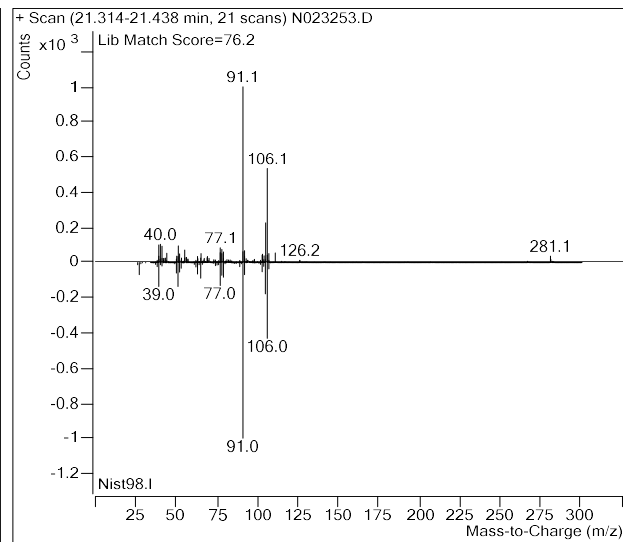
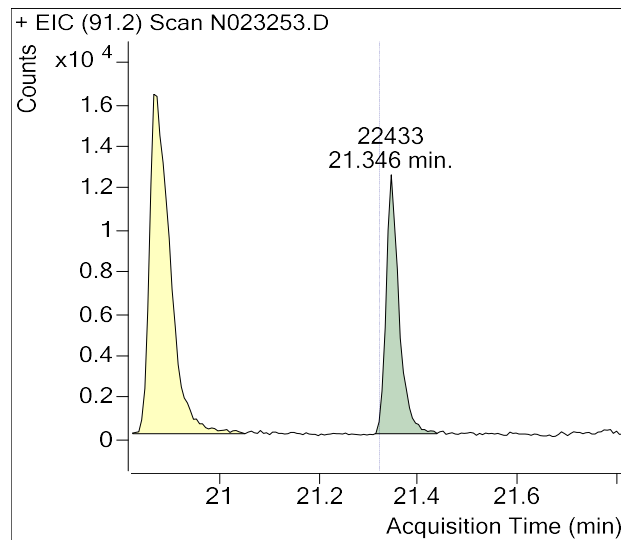


Sample Name : USSCL-PT02-S-20230214
Sample Info : B43404;Recollect
Data File : N023253.D
Acquisition Date : 2023-03-21 19:03:25
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

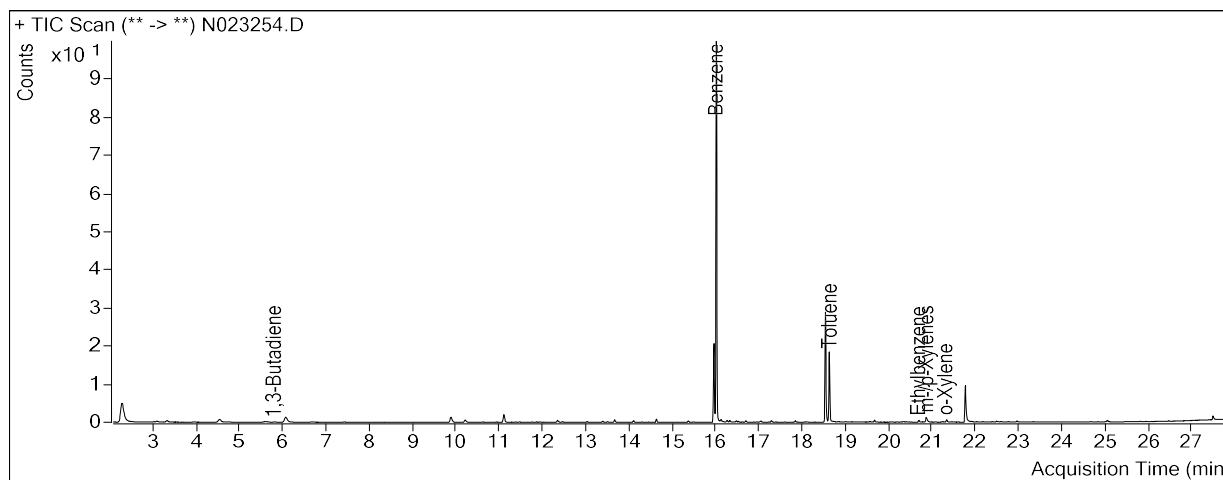
m-/p-Xylenes



o-Xylene



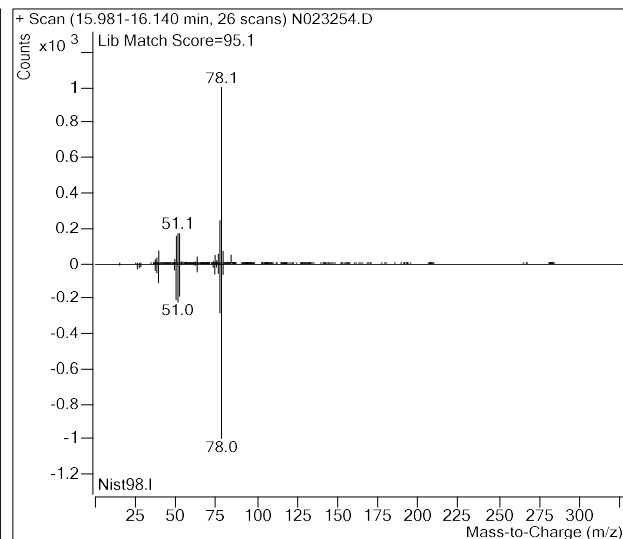
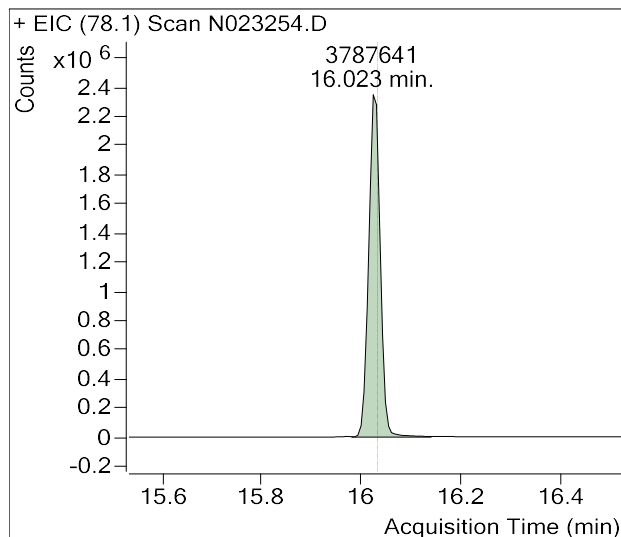
Sample Name : USSCL-PT03-S-20230214
Sample Info : B28011;Recollect
Data File : N023254.D
Acquisition Date : 2023-03-21 19:40:52
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	862,290	
Benzene	16.03	3,787,641	
Toluene-d8 (IS)	18.55	951,042	
Toluene	18.64	657,291	
Ethylbenzene	20.70	20,595	
m-/p-Xylenes	20.89	58,869	
o-Xylene	21.32	19,483	

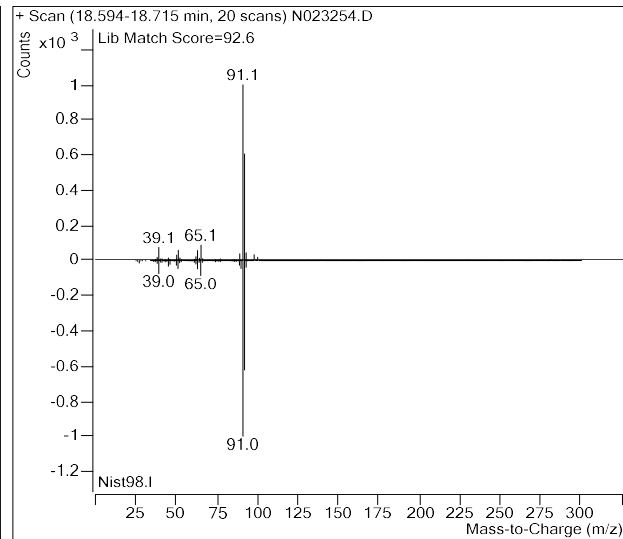
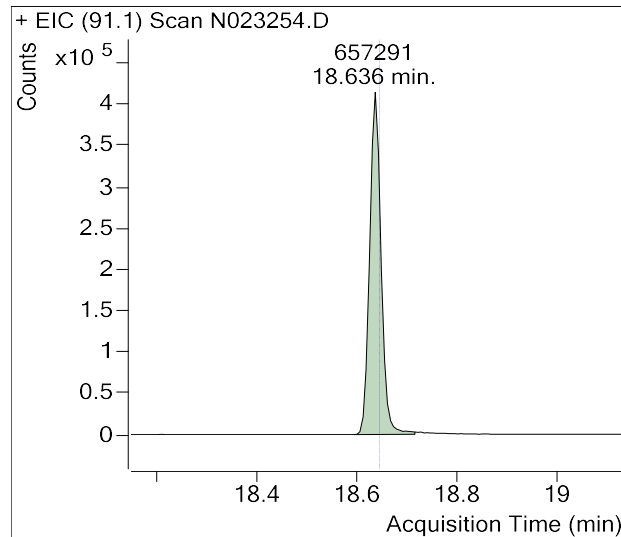
(m)=Manual Integration

Benzene

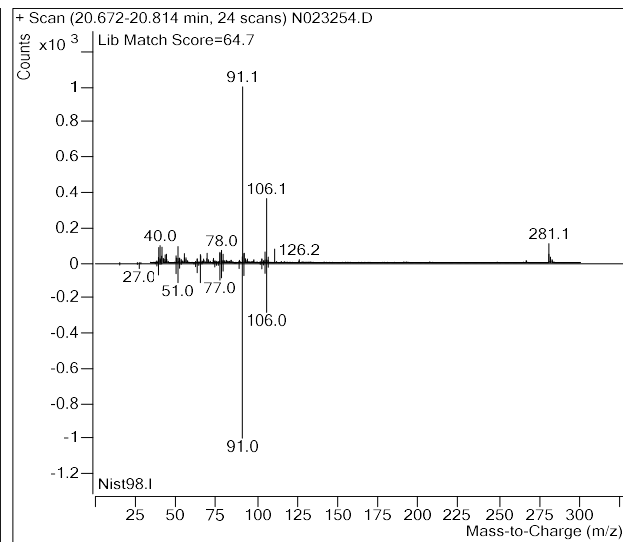
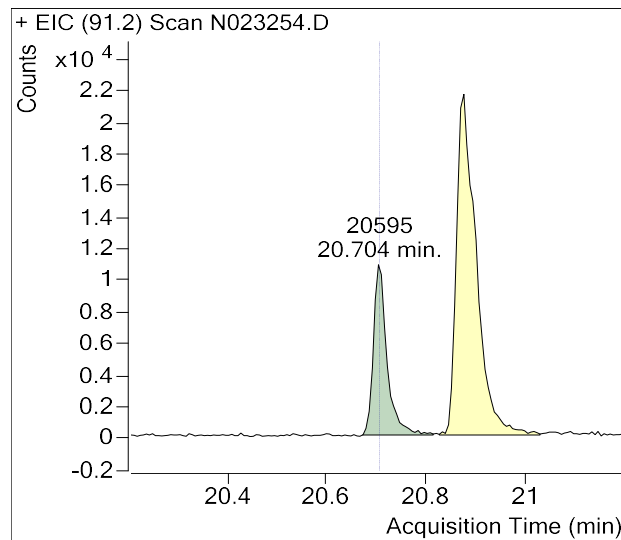


Sample Name : USSCL-PT03-S-20230214
Sample Info : B28011;Recollect
Data File : N023254.D
Acquisition Date : 2023-03-21 19:40:52
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

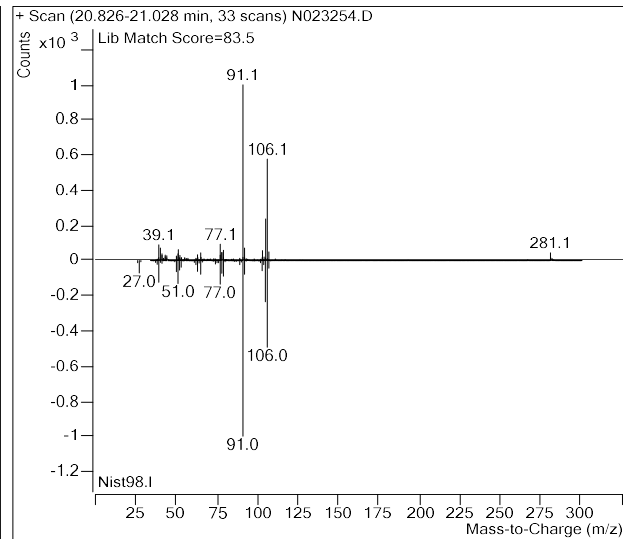
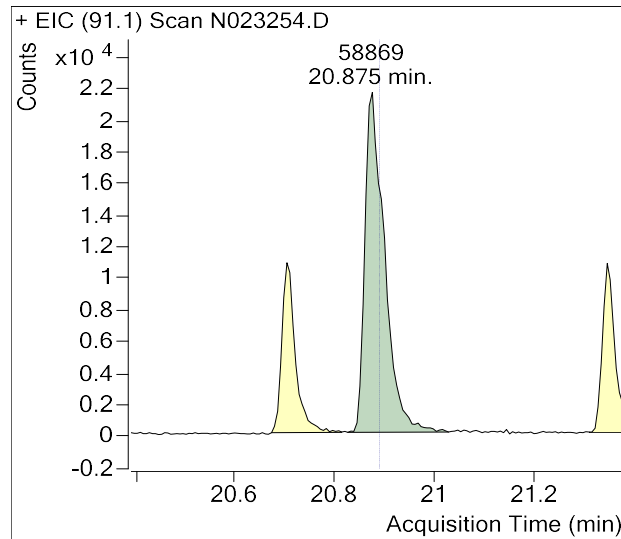


Ethylbenzene

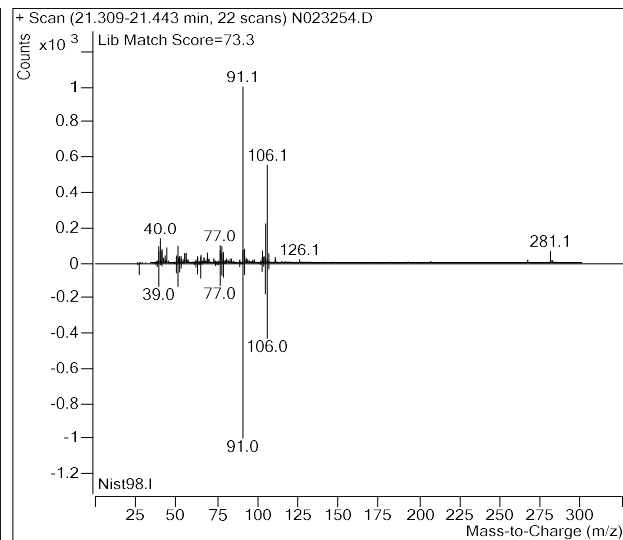
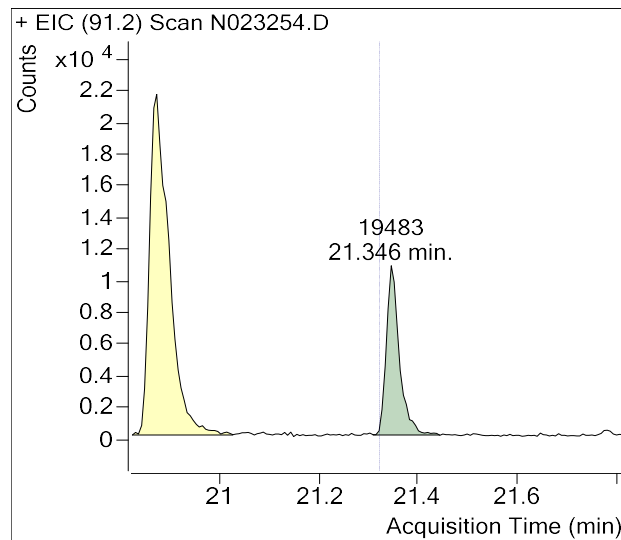


Sample Name : USSCL-PT03-S-20230214
Sample Info : B28011;Recollect
Data File : N023254.D
Acquisition Date : 2023-03-21 19:40:52
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

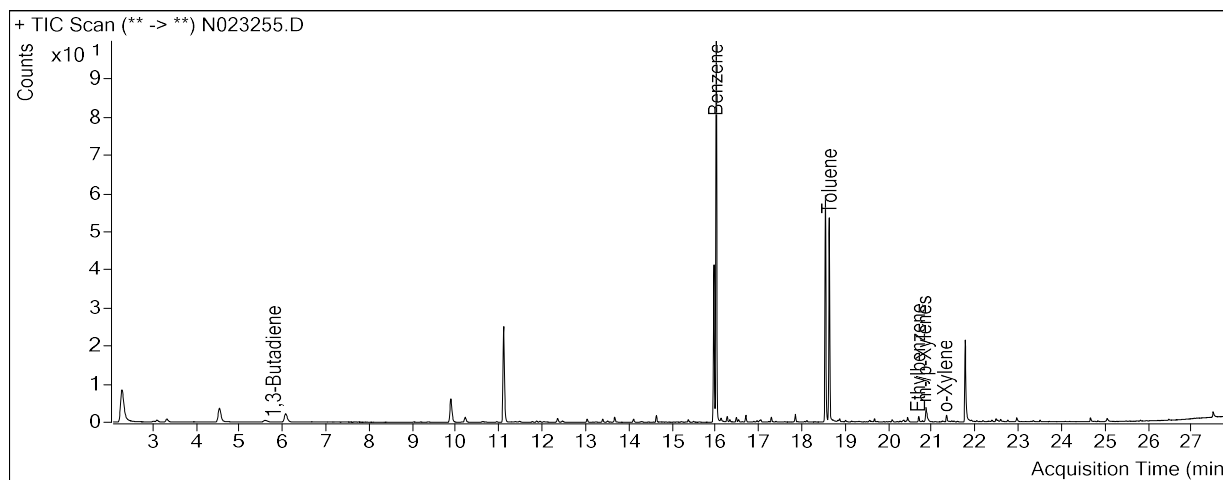
m-/p-Xylenes



o-Xylene



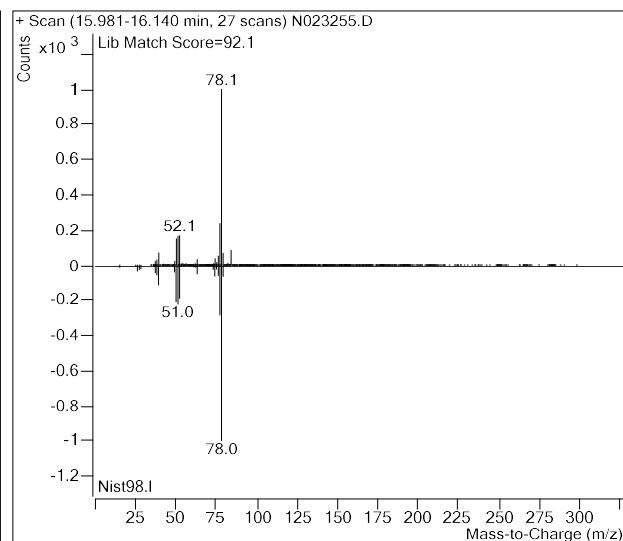
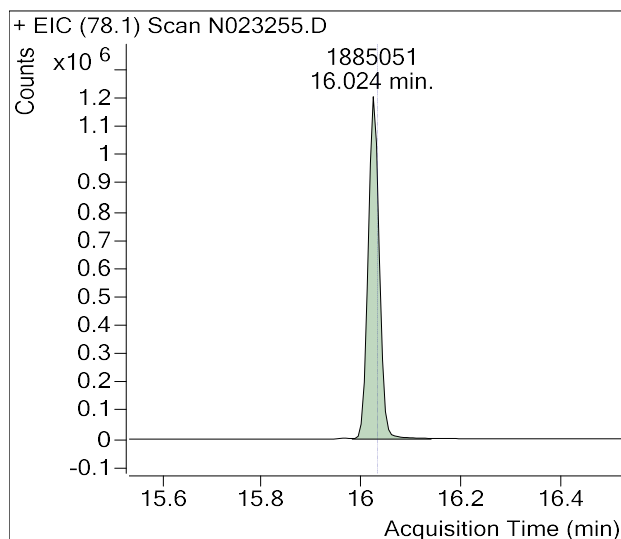
Sample Name : USSCL-PT04-S-20230214
Sample Info : B46244;Recollect
Data File : N023255.D
Acquisition Date : 2023-03-21 20:18:17
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	846,713	
Benzene	16.03	1,885,051	
Toluene-d8 (IS)	18.55	947,956	
Toluene	18.64	947,293	
Ethylbenzene	20.70	28,642	
m-/p-Xylenes	20.89	82,558	
o-Xylene	21.32	27,043	

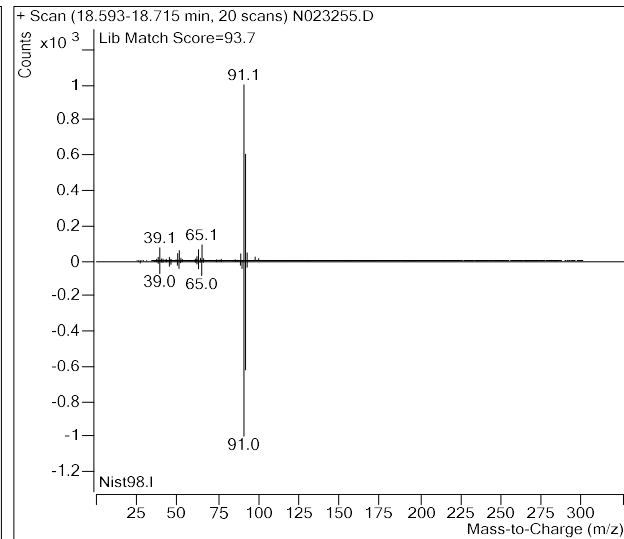
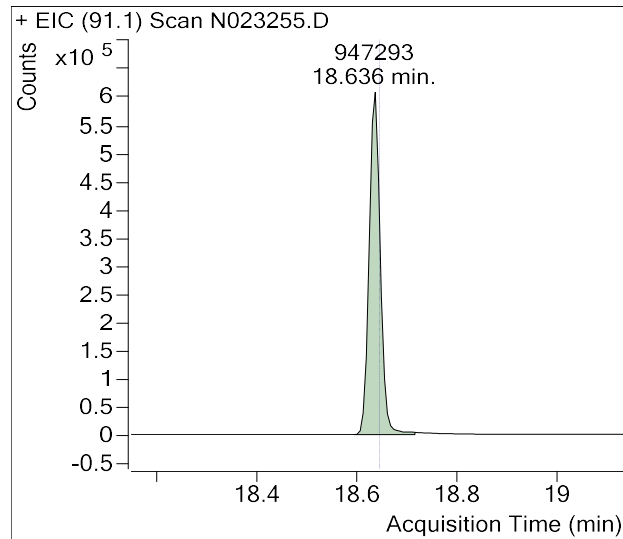
(m)=Manual Integration

Benzene

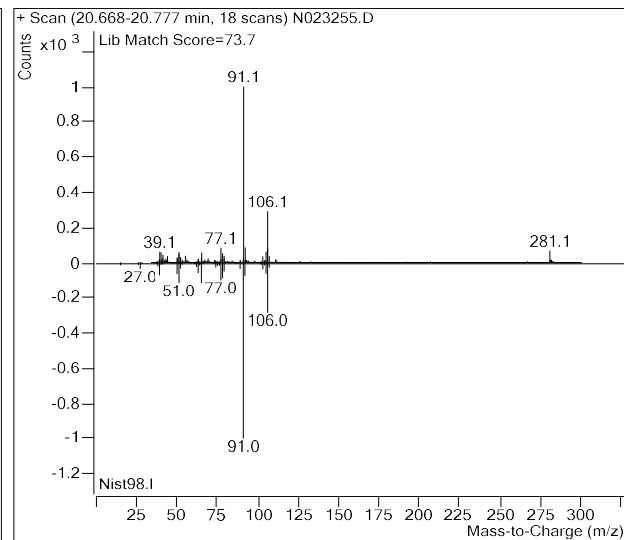
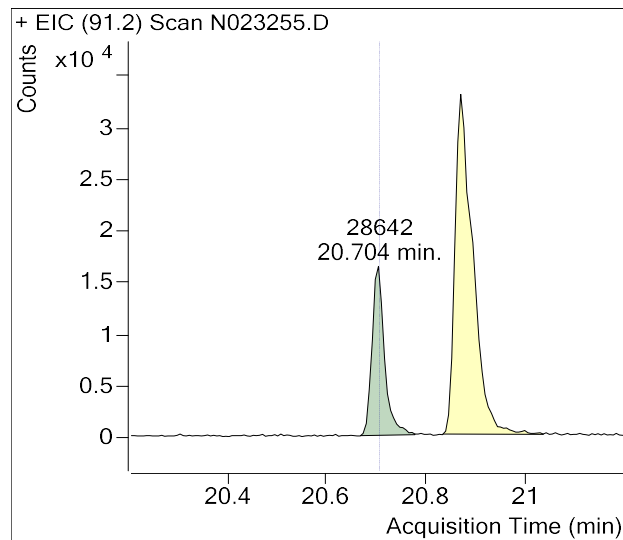


Sample Name : USSCL-PT04-S-20230214
Sample Info : B46244;Recollect
Data File : N023255.D
Acquisition Date : 2023-03-21 20:18:17
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

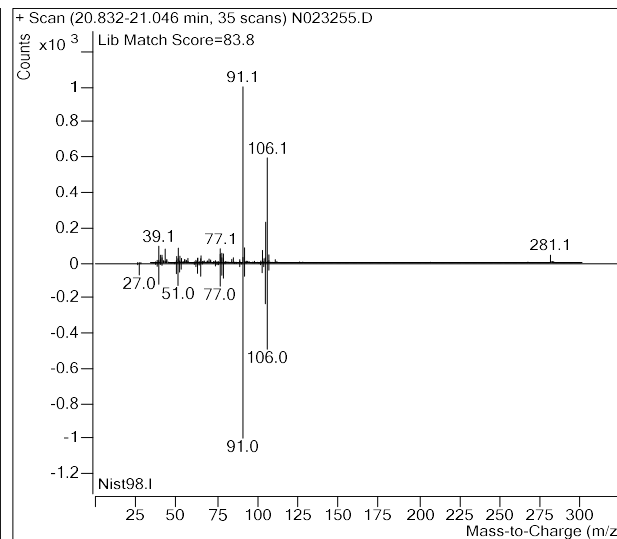
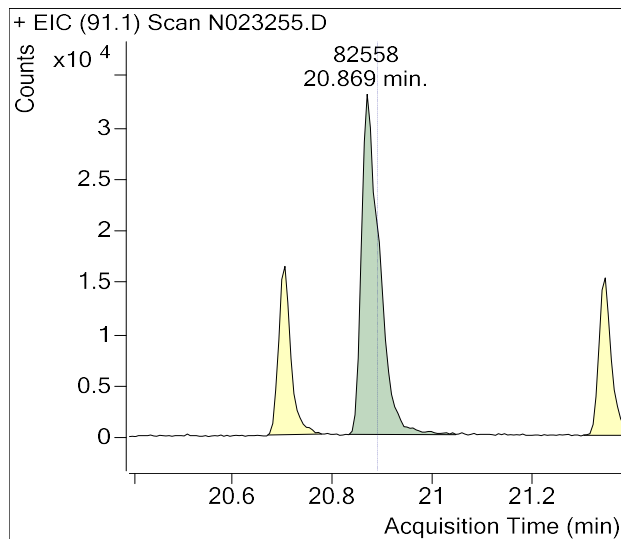


Ethylbenzene

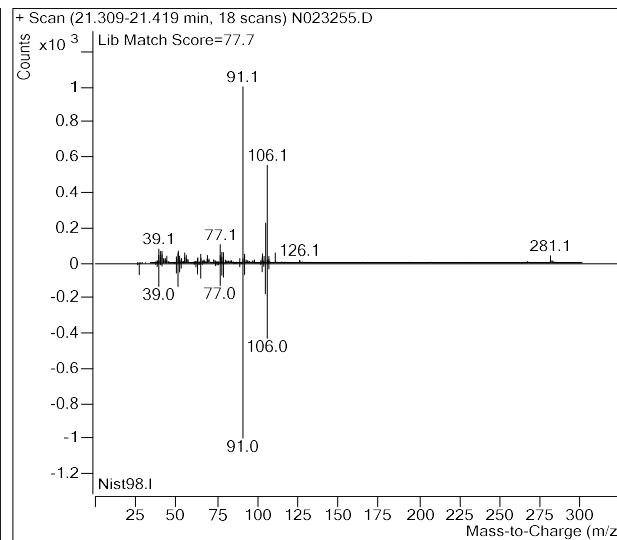
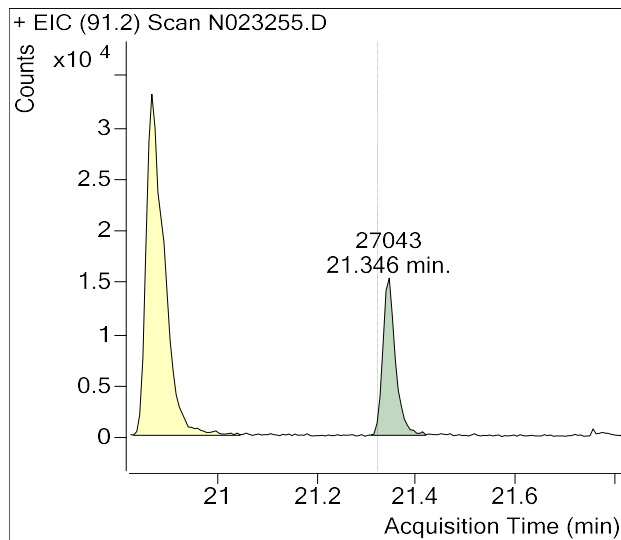


Sample Name : USSCL-PT04-S-20230214
Sample Info : B46244;Recollect
Data File : N023255.D
Acquisition Date : 2023-03-21 20:18:17
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

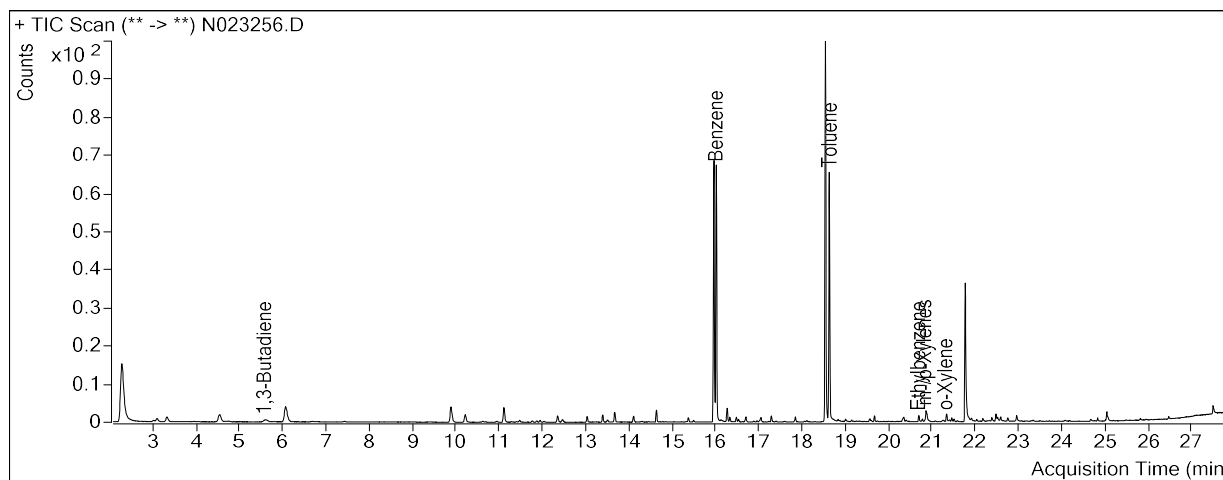
m-/p-Xylenes



o-Xylene



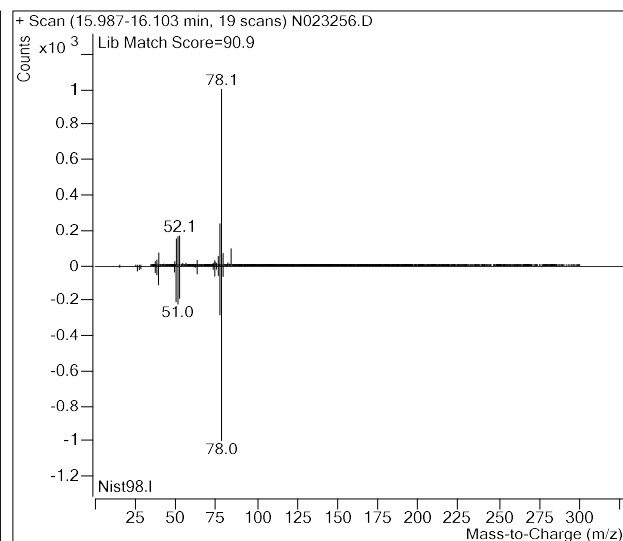
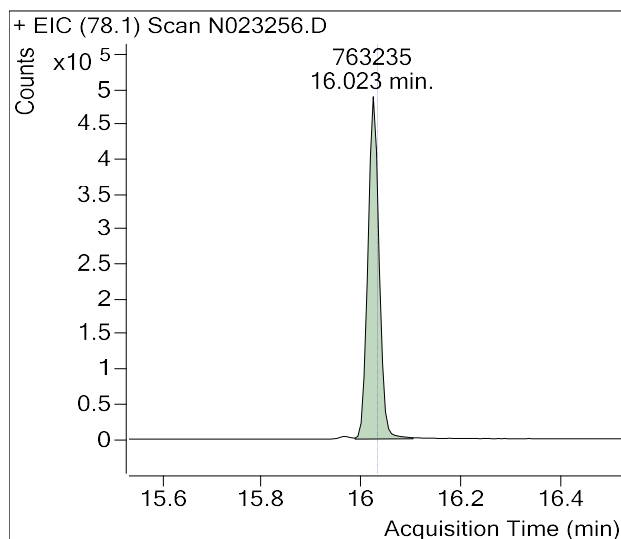
Sample Name : USSCL-PT05-S-20230214
Sample Info : B50903;Recollect
Data File : N023256.D
Acquisition Date : 2023-03-21 20:55:35
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	862,433	
Benzene	16.03	763,235	
Toluene-d8 (IS)	18.55	969,124	
Toluene	18.64	695,646	
Ethylbenzene	20.70	19,697	
m-/p-Xylenes	20.89	41,771	
o-Xylene	21.32	17,423	

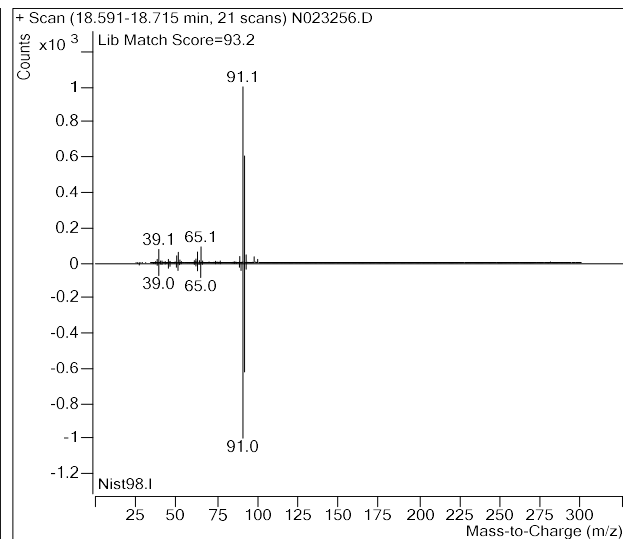
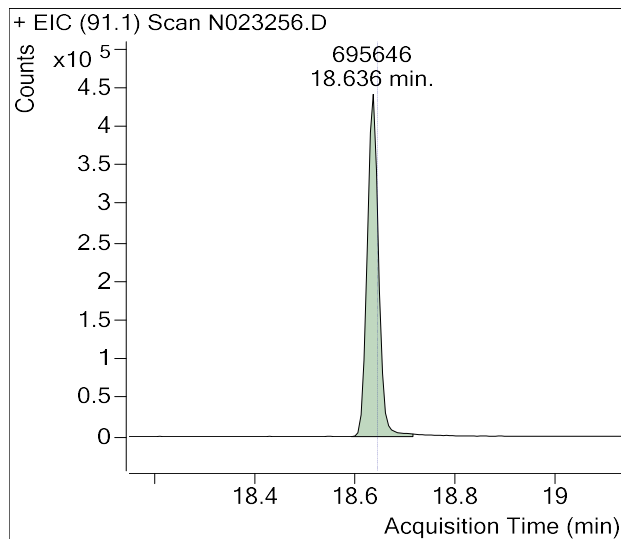
(m)=Manual Integration

Benzene

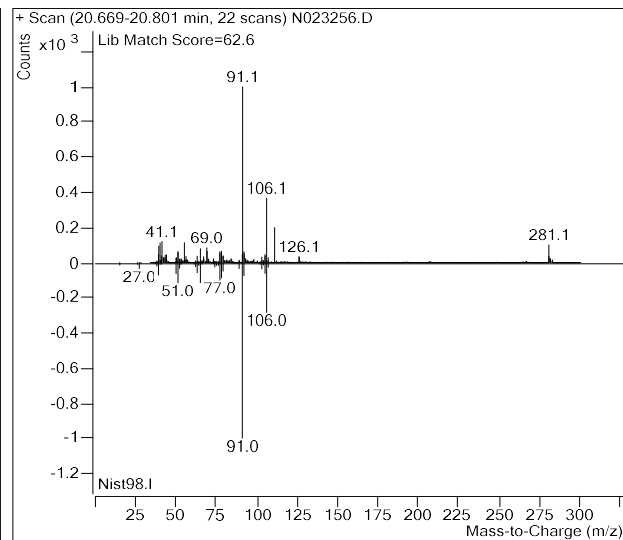
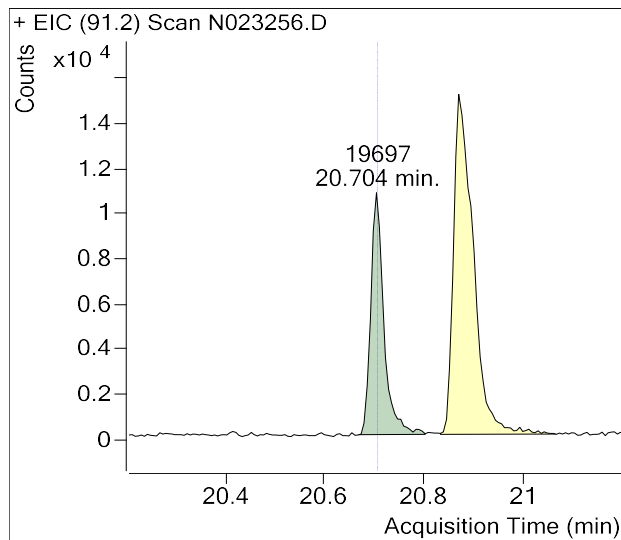


Sample Name : USSCL-PT05-S-20230214
Sample Info : B50903;Recollect
Data File : N023256.D
Acquisition Date : 2023-03-21 20:55:35
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

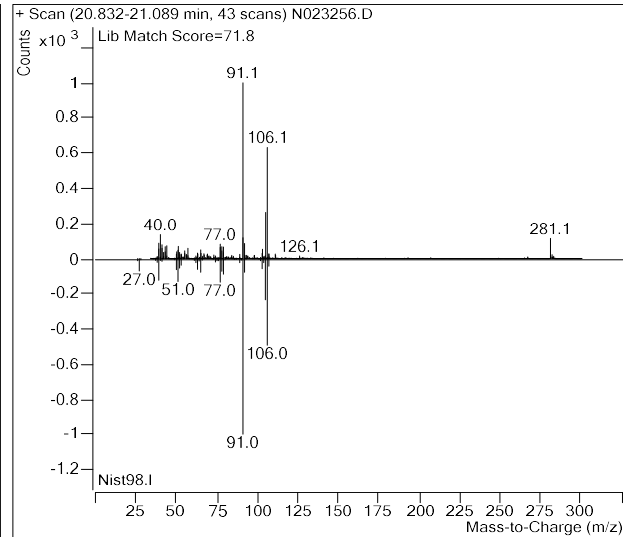
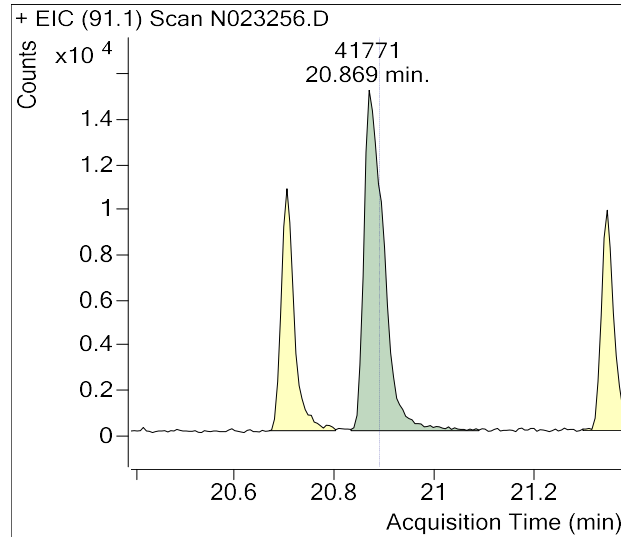


Ethylbenzene

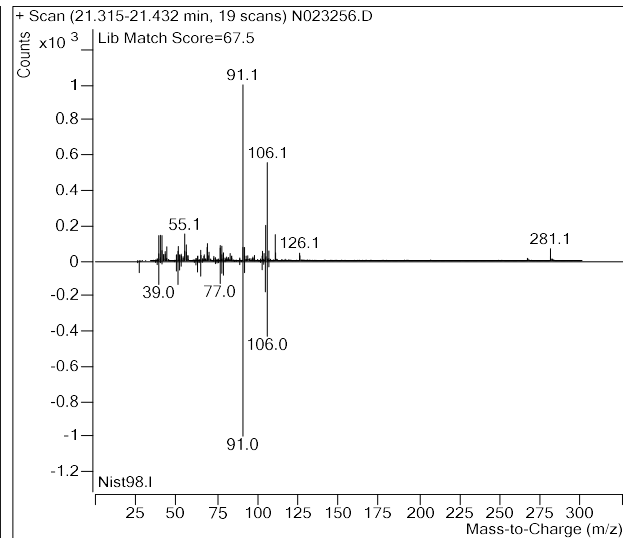
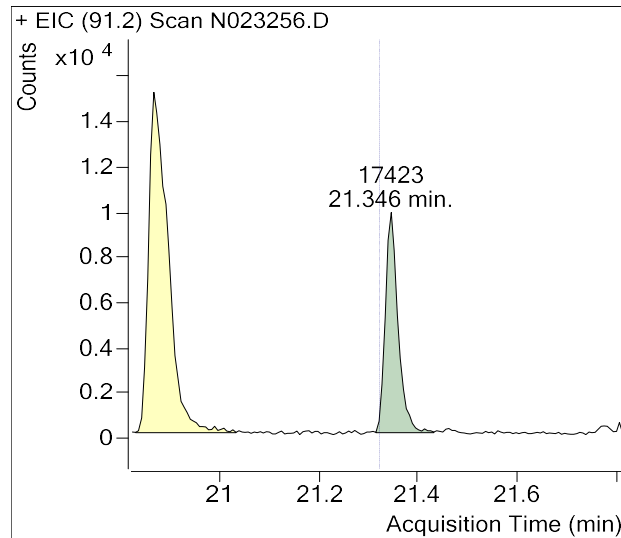


Sample Name : USSCL-PT05-S-20230214
Sample Info : B50903;Recollect
Data File : N023256.D
Acquisition Date : 2023-03-21 20:55:35
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

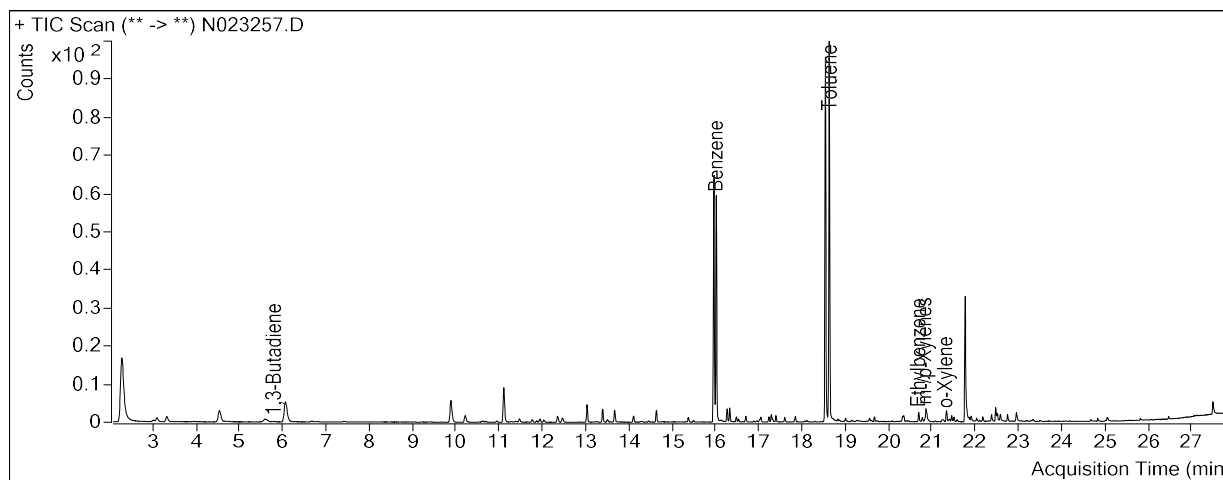
m-/p-Xylenes



o-Xylene



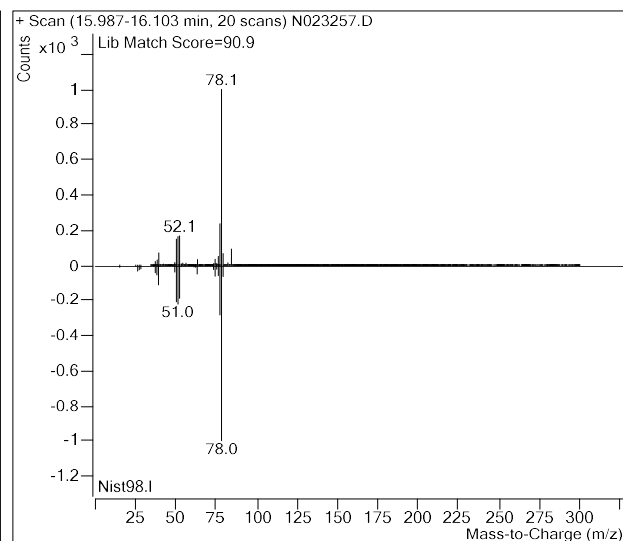
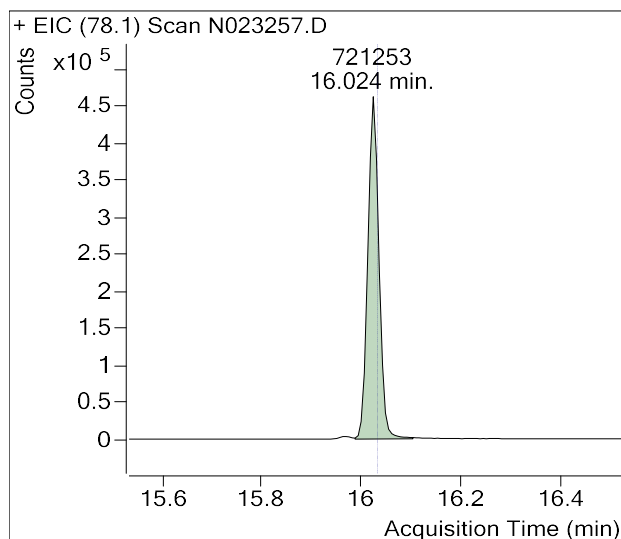
Sample Name : USSCL-PT06-S-20230214
Sample Info : B20648;Recollect
Data File : N023257.D
Acquisition Date : 2023-03-21 21:32:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	866,892	
Benzene	16.03	721,253	
Toluene-d8 (IS)	18.55	964,879	
Toluene	18.64	1,137,577	
Ethylbenzene	20.70	31,954	
m-/p-Xylenes	20.89	48,407	
o-Xylene	21.32	24,630	

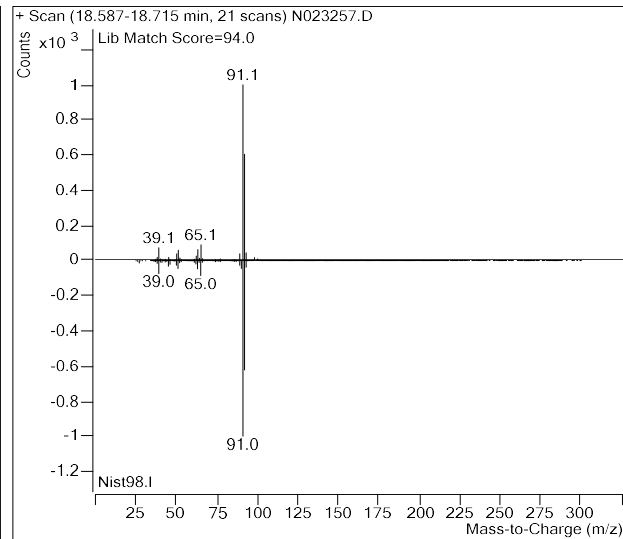
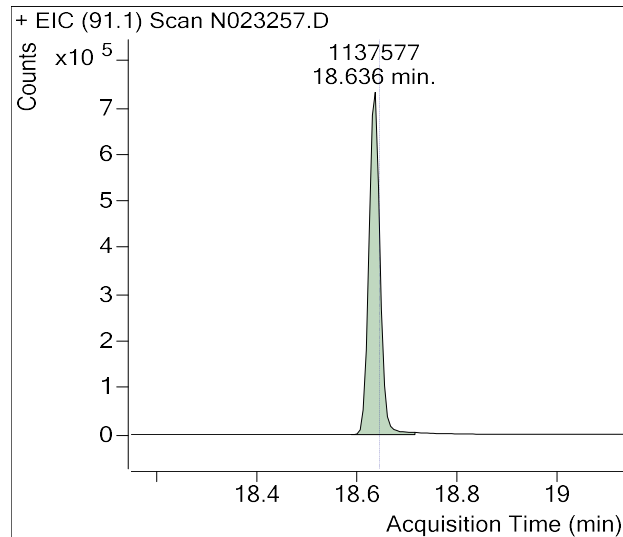
(m)=Manual Integration

Benzene

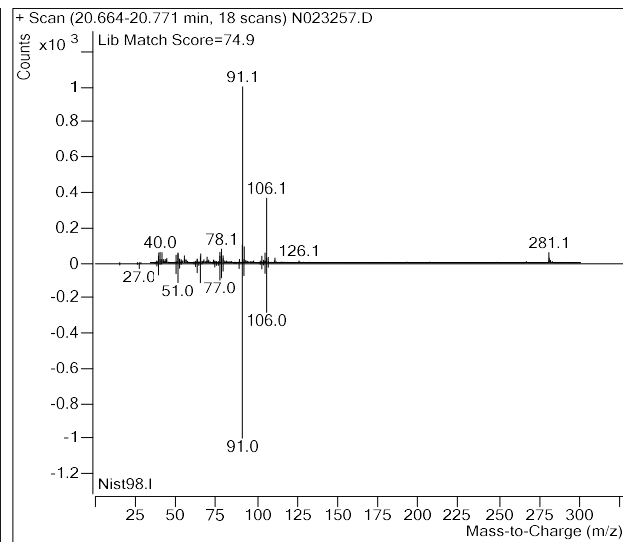
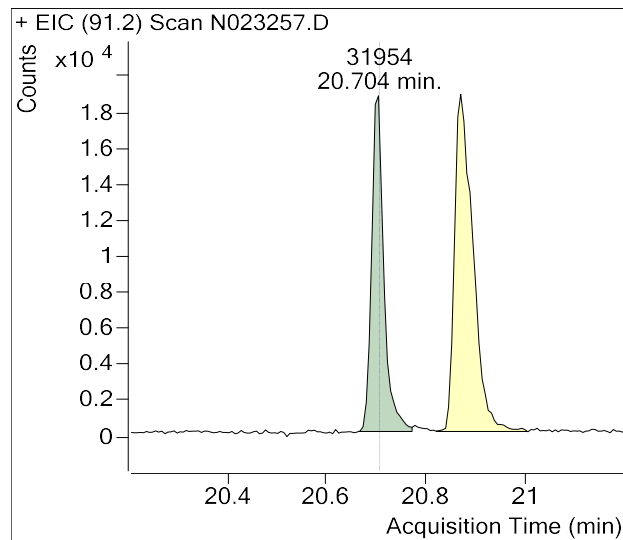


Sample Name : USSCL-PT06-S-20230214
Sample Info : B20648;Recollect
Data File : N023257.D
Acquisition Date : 2023-03-21 21:32:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

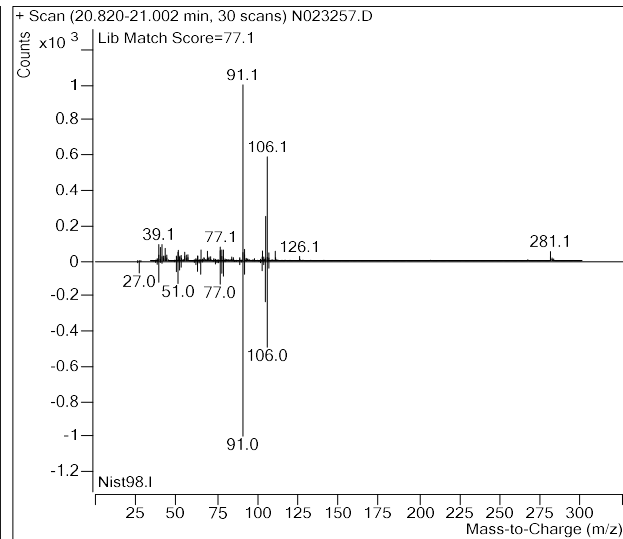
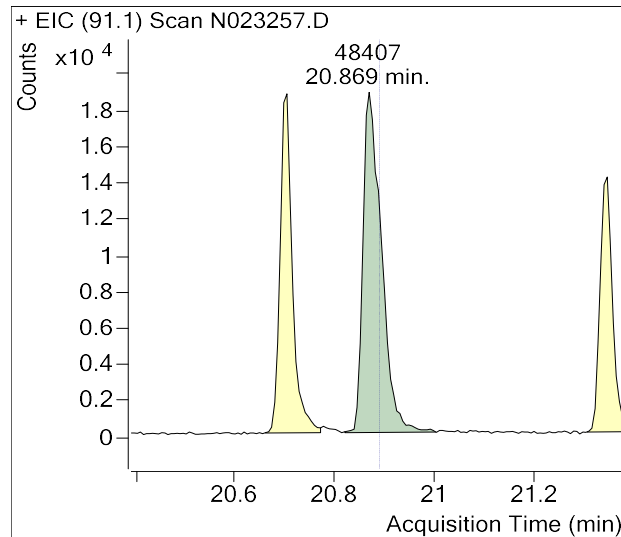


Ethylbenzene

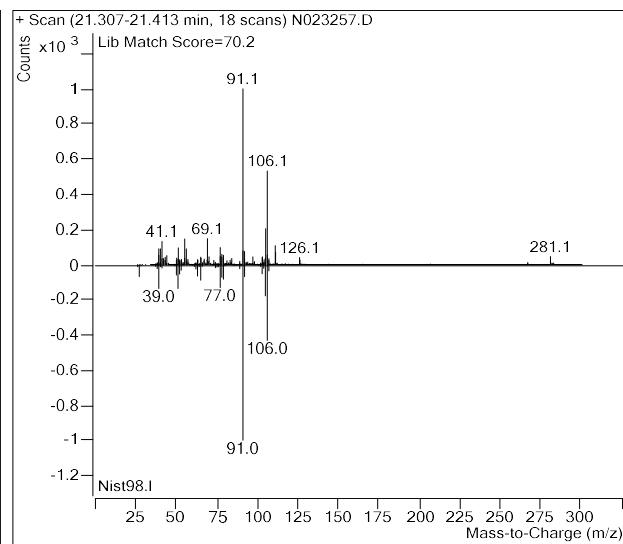
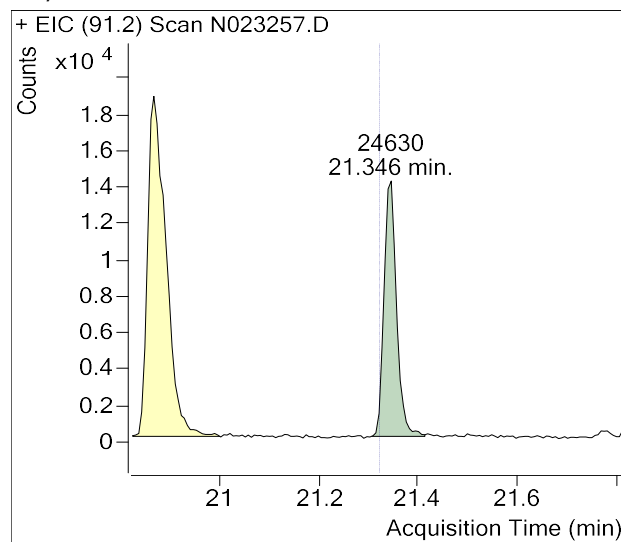


Sample Name : USSCL-PT06-S-20230214
Sample Info : B20648;Recollect
Data File : N023257.D
Acquisition Date : 2023-03-21 21:32:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

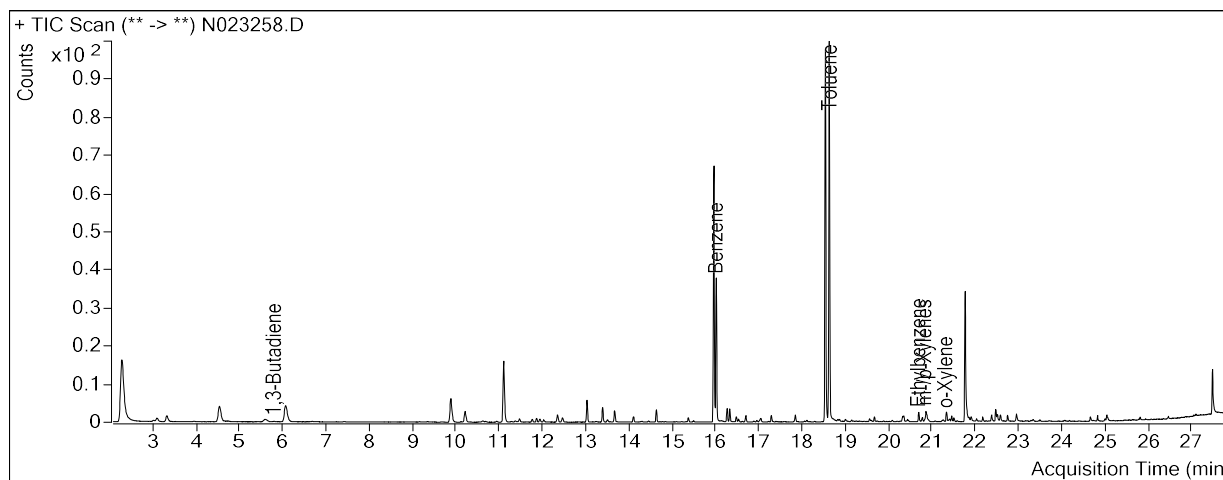
m-/p-Xylenes



o-Xylene



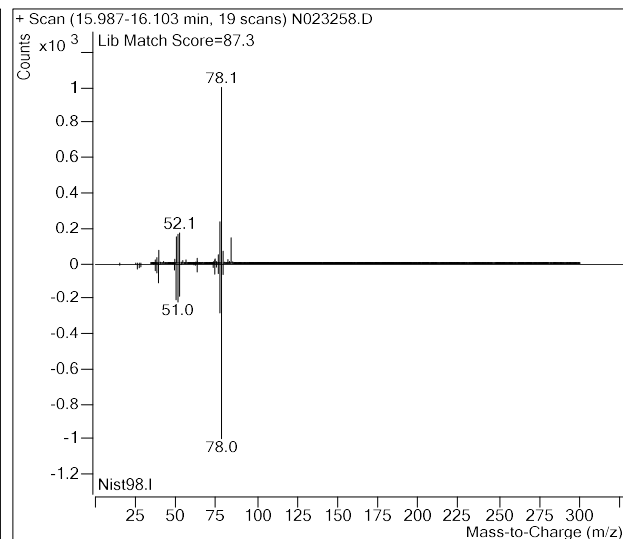
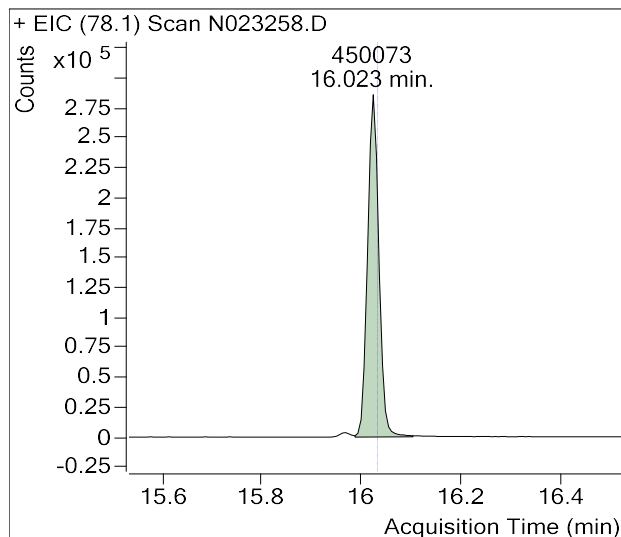
Sample Name : USSCL-PT07-S-20230214
Sample Info : B20212;Recollect
Data File : N023258.D
Acquisition Date : 2023-03-21 22:10:07
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	868,723	
Benzene	16.03	450,073	
Toluene-d8 (IS)	18.55	982,673	
Toluene	18.64	1,120,668	
Ethylbenzene	20.70	30,469	
m-/p-Xylenes	20.89	37,827	
o-Xylene	21.32	21,416	

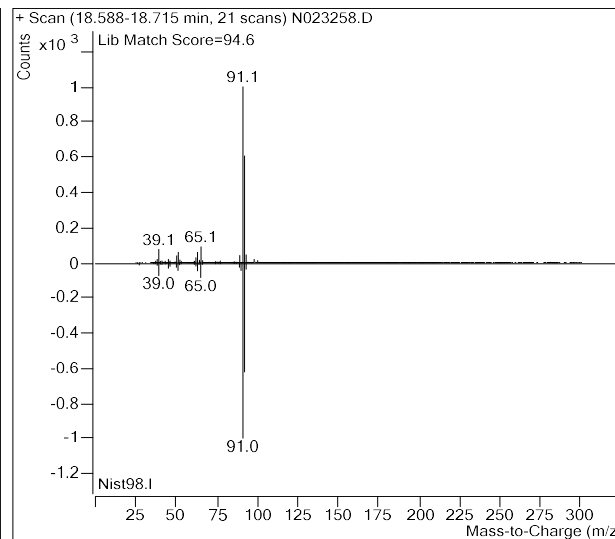
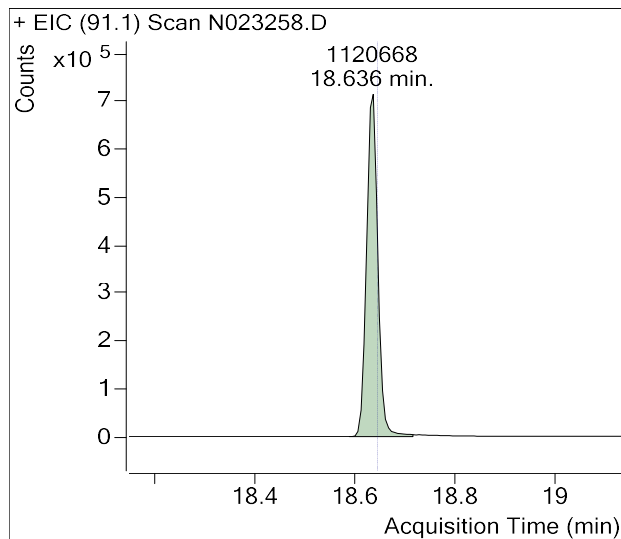
(m)=Manual Integration

Benzene

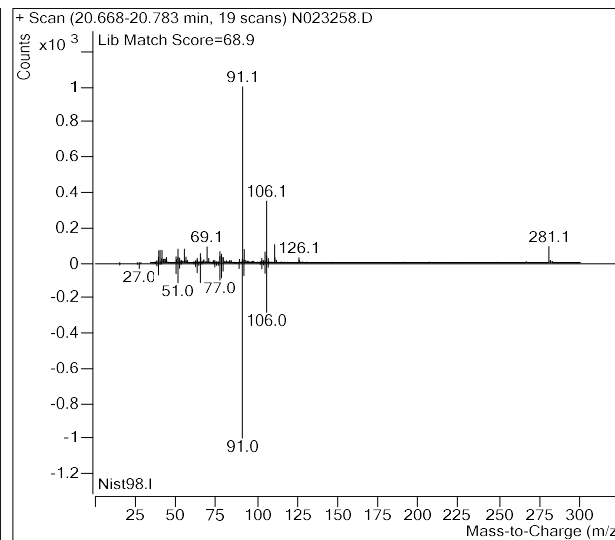
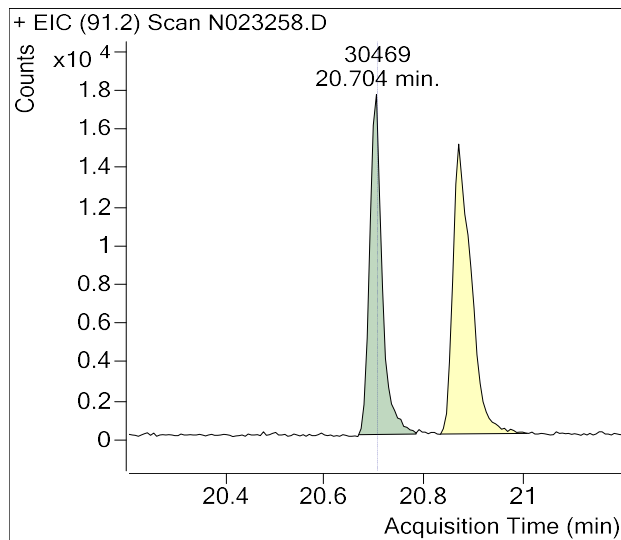


Sample Name : USSCL-PT07-S-20230214
Sample Info : B20212;Recollect
Data File : N023258.D
Acquisition Date : 2023-03-21 22:10:07
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

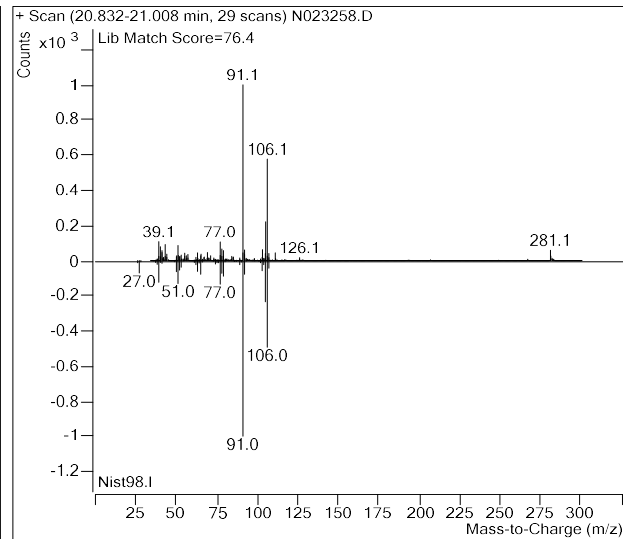
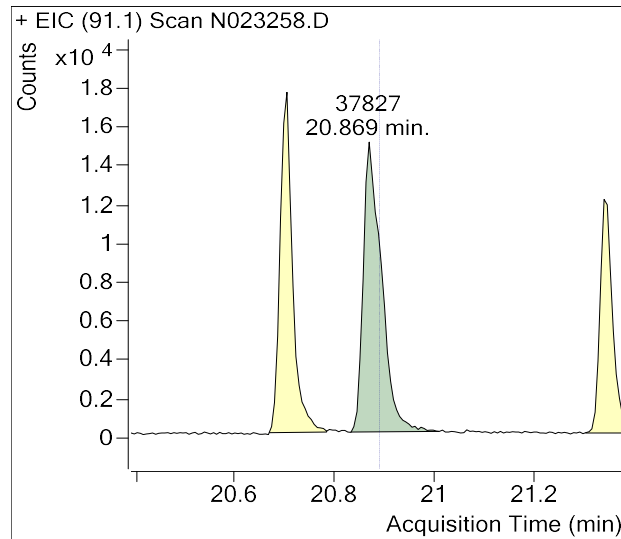


Ethylbenzene

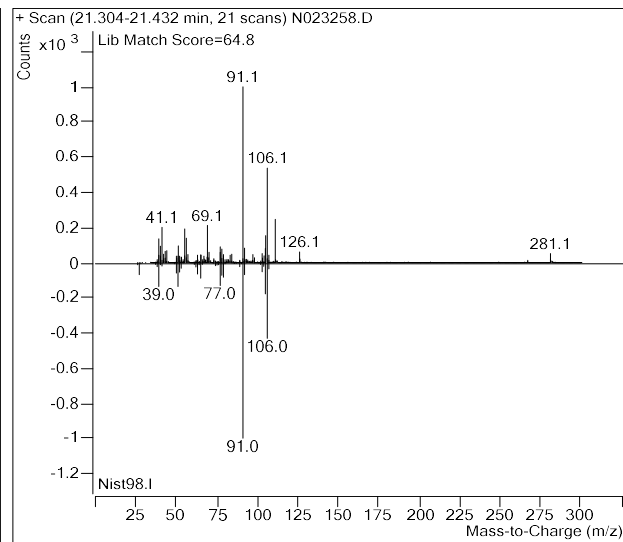
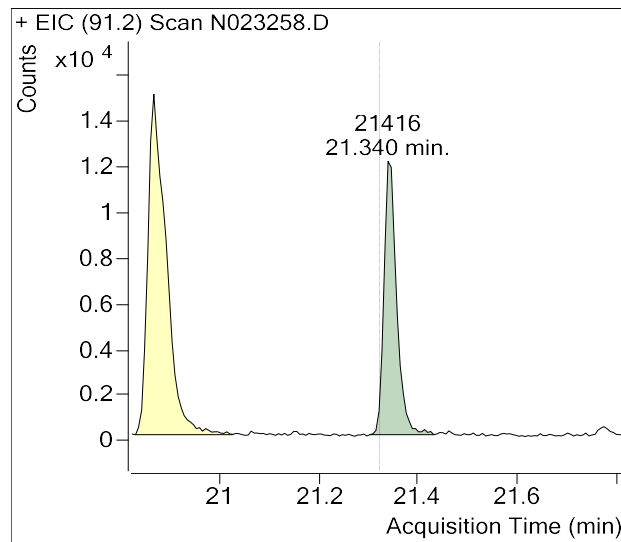


Sample Name : USSCL-PT07-S-20230214
Sample Info : B20212;Recollect
Data File : N023258.D
Acquisition Date : 2023-03-21 22:10:07
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

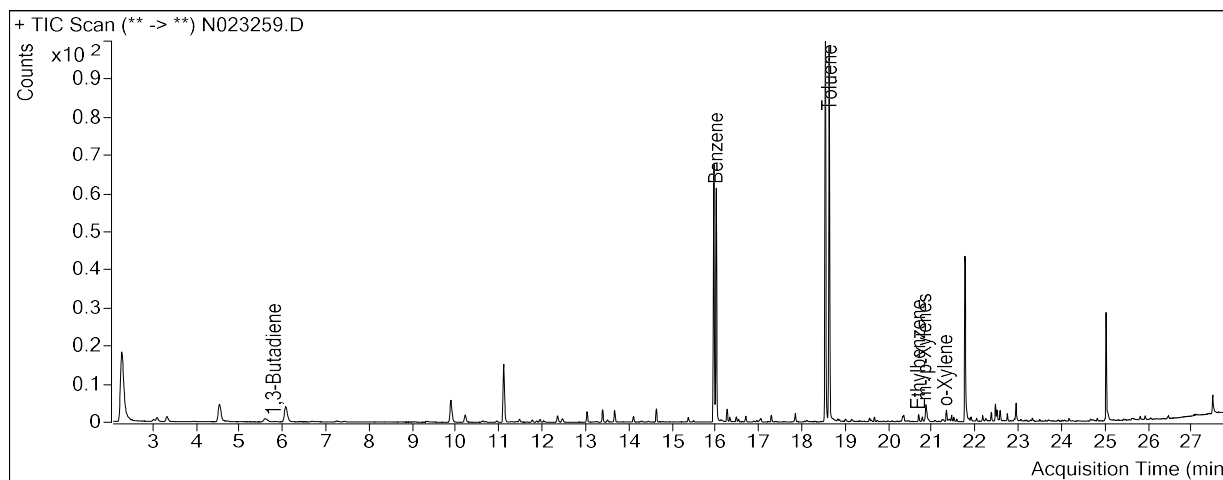
m-/p-Xylenes



o-Xylene



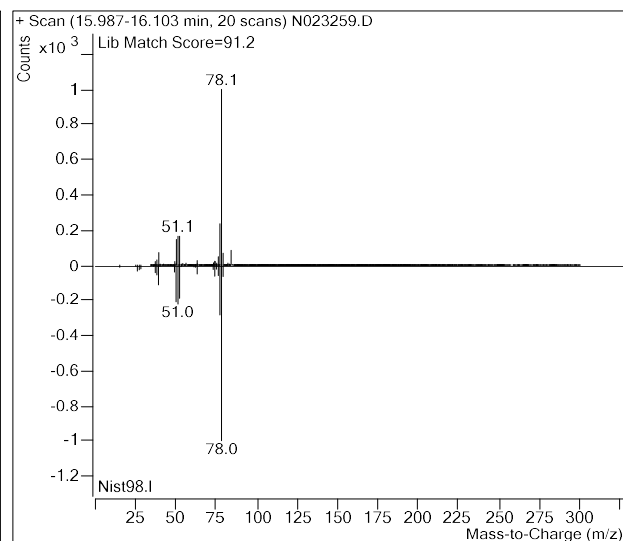
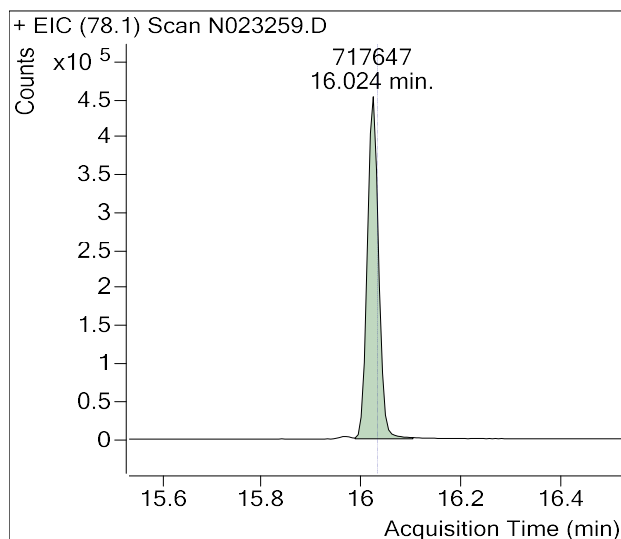
Sample Name : USSCL-PT08-S-20230214
Sample Info : C01589;Recollect
Data File : N023259.D
Acquisition Date : 2023-03-21 22:47:16
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	872,147	
Benzene	16.03	717,647	
Toluene-d8 (IS)	18.55	976,283	
Toluene	18.64	1,077,421	
Ethylbenzene	20.70	21,383	
m-/p-Xylenes	20.89	57,041	
o-Xylene	21.32	22,959	

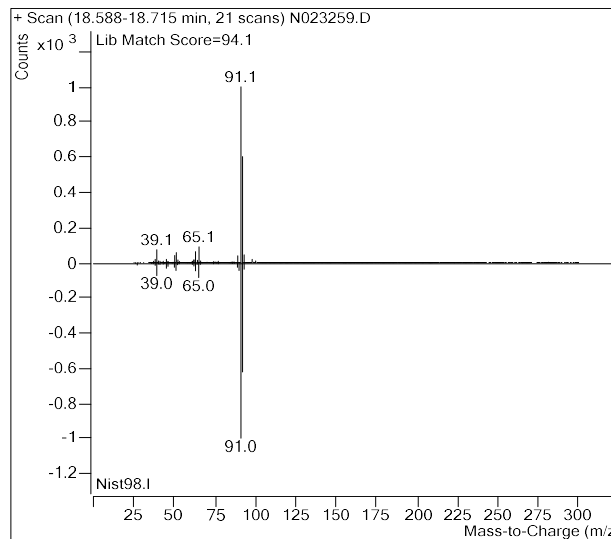
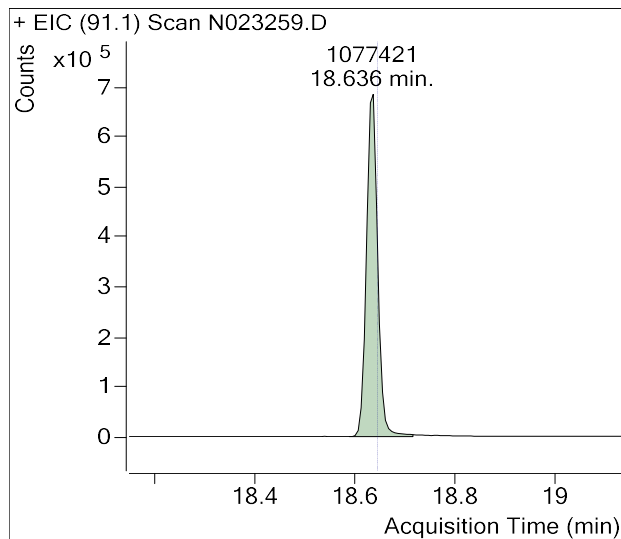
(m)=Manual Integration

Benzene

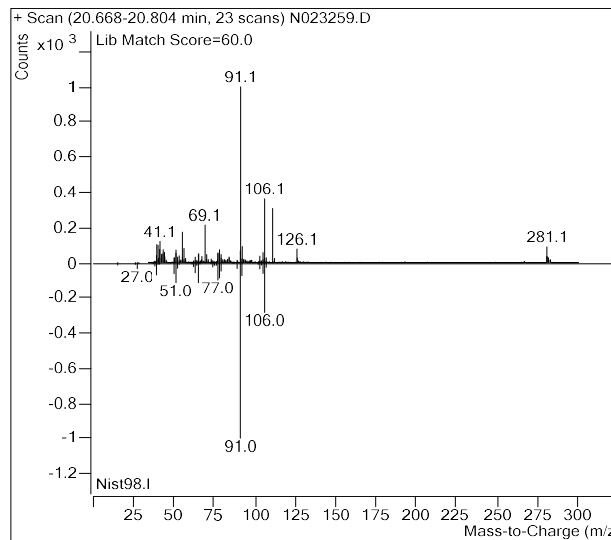
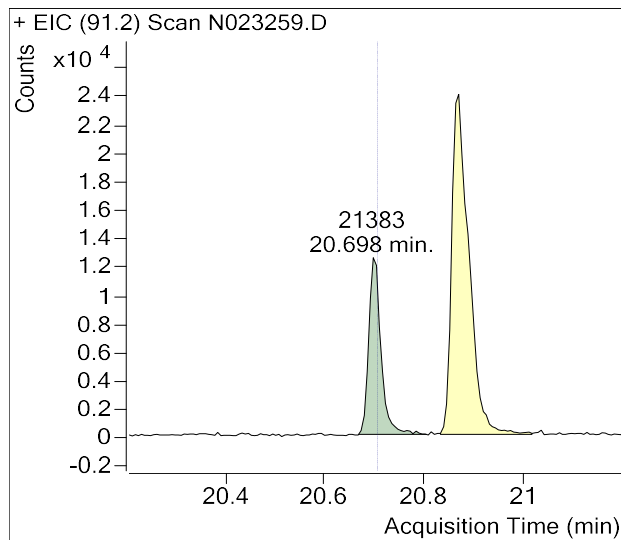


Sample Name : USSCL-PT08-S-20230214
Sample Info : C01589;Recollect
Data File : N023259.D
Acquisition Date : 2023-03-21 22:47:16
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

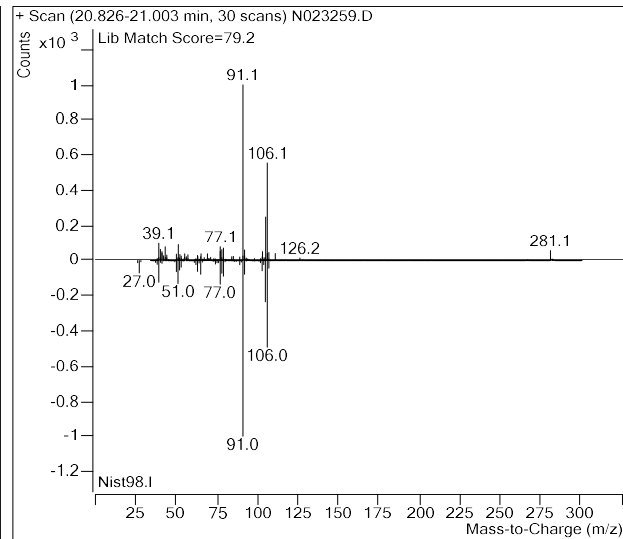
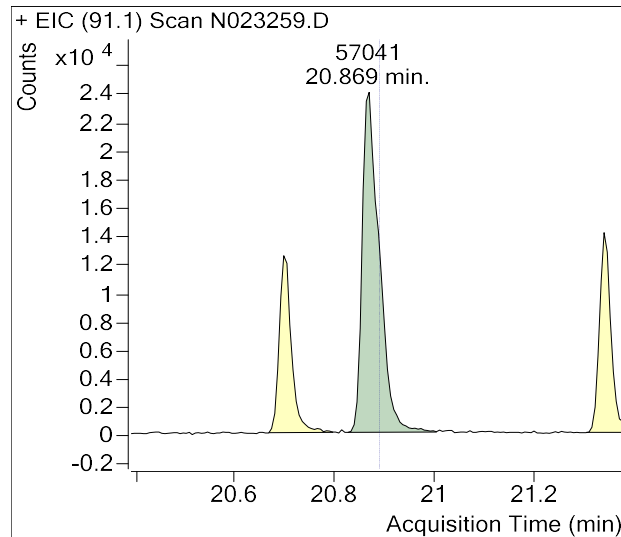


Ethylbenzene

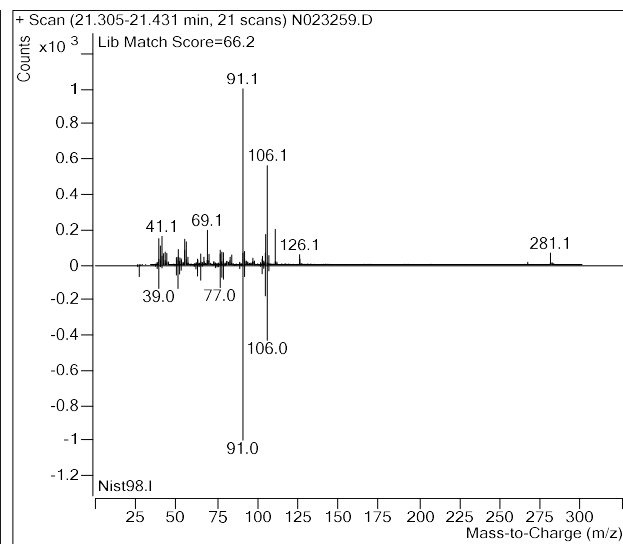
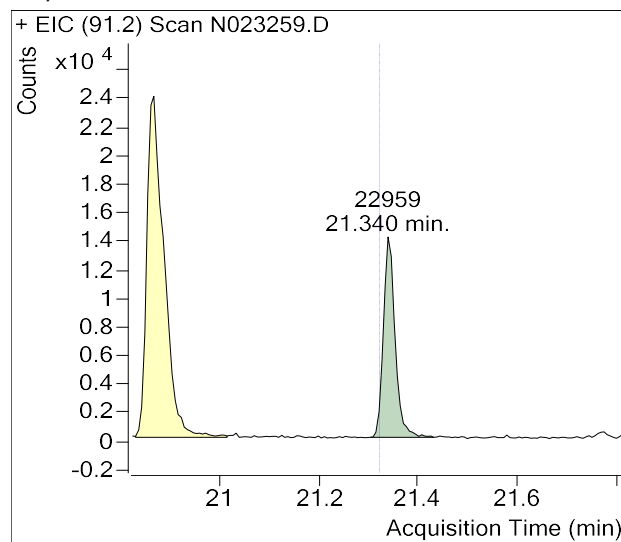


Sample Name : USSCL-PT08-S-20230214
Sample Info : C01589;Recollect
Data File : N023259.D
Acquisition Date : 2023-03-21 22:47:16
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

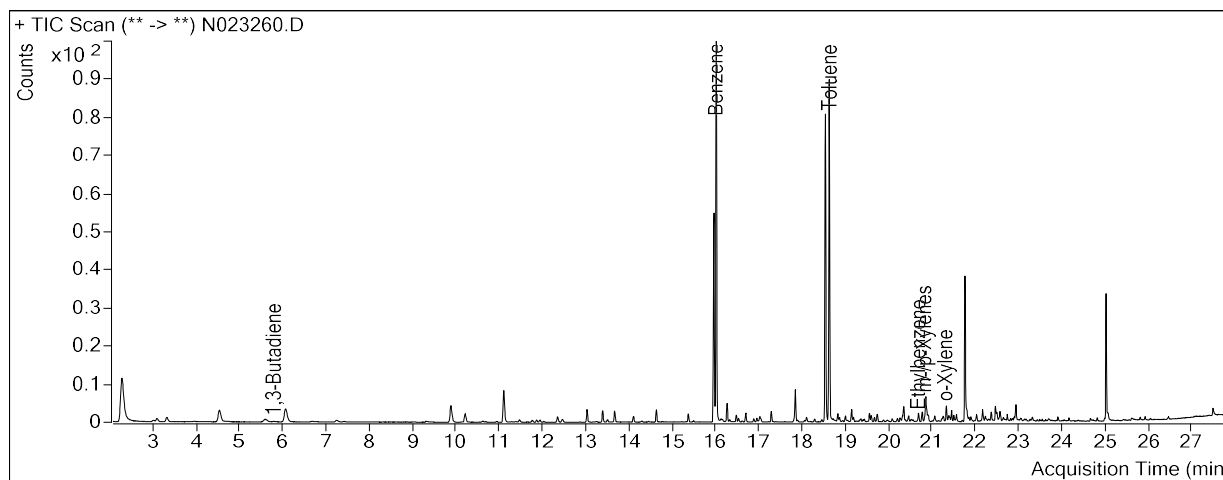
m-/p-Xylenes



o-Xylene



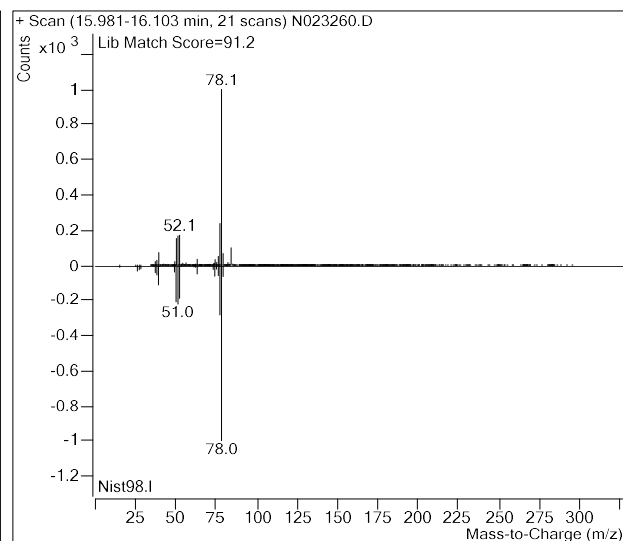
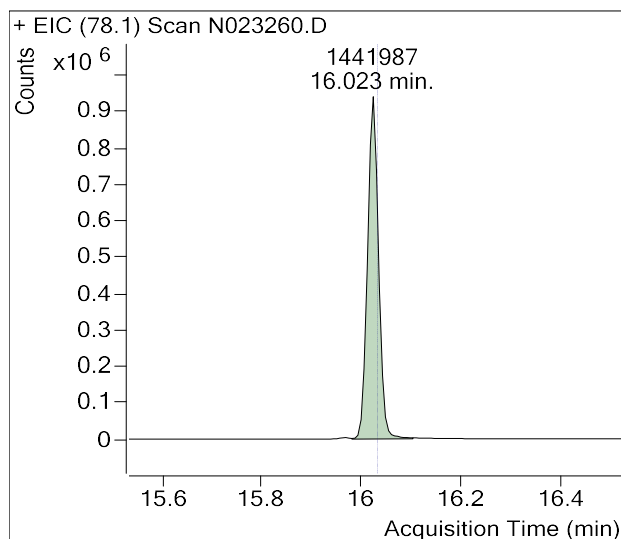
Sample Name : USSCL-PT09-S-20230214
Sample Info : B46914;Recollect
Data File : N023260.D
Acquisition Date : 2023-03-21 23:24:26
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	885,371	
Benzene	16.03	1,441,987	
Toluene-d8 (IS)	18.55	992,787	
Toluene	18.64	1,230,039	
Ethylbenzene	20.70	29,286	
m-/p-Xylenes	20.89	93,732	
o-Xylene	21.32	35,958	

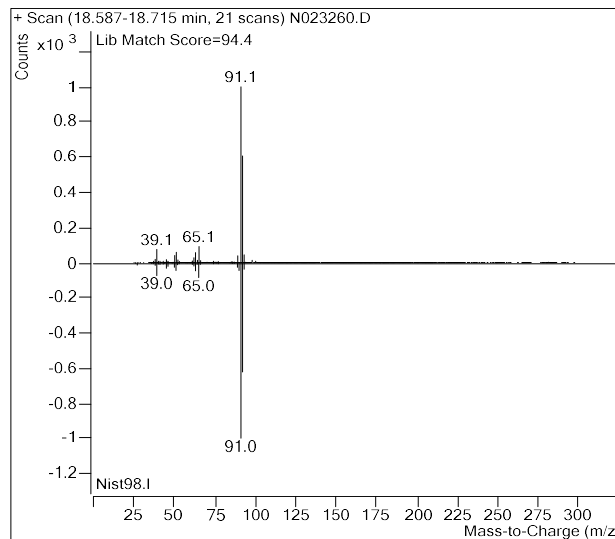
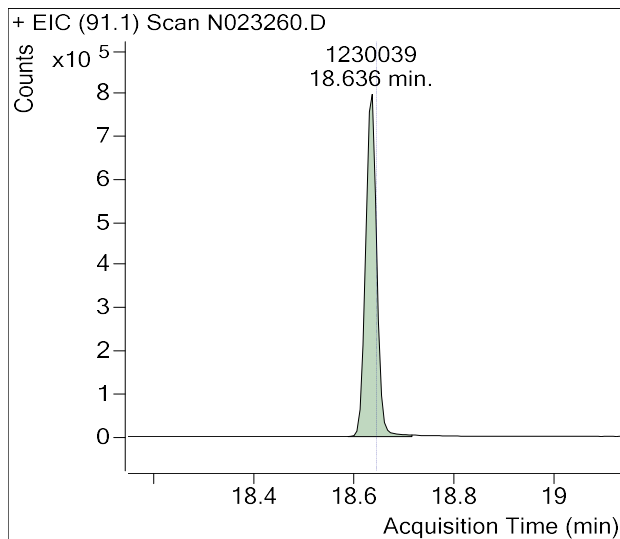
(m)=Manual Integration

Benzene

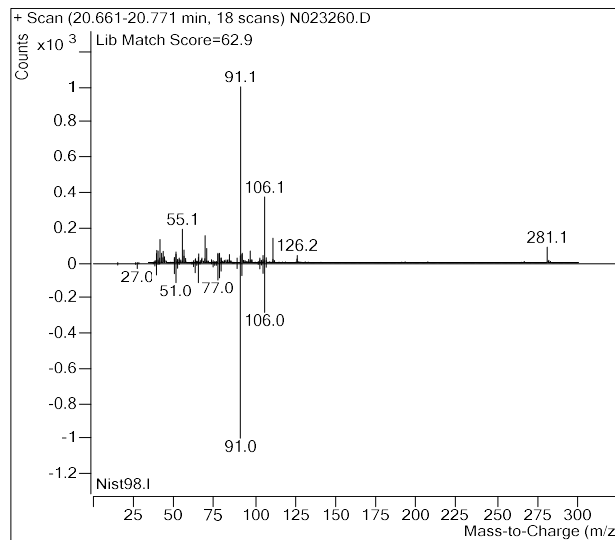
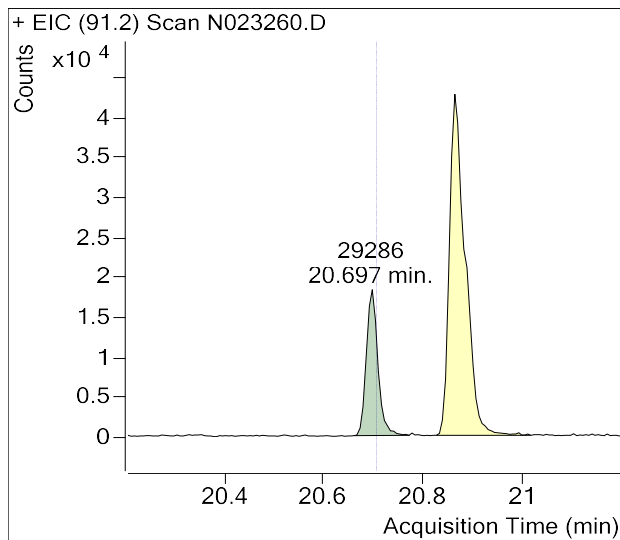


Sample Name : USSCL-PT09-S-20230214
 Sample Info : B46914;Recollect
 Data File : N023260.D
 Acquisition Date : 2023-03-21 23:24:26
 Instrument Method : M325B-TD-CRYO9
 Matrix : AIR

Toluene

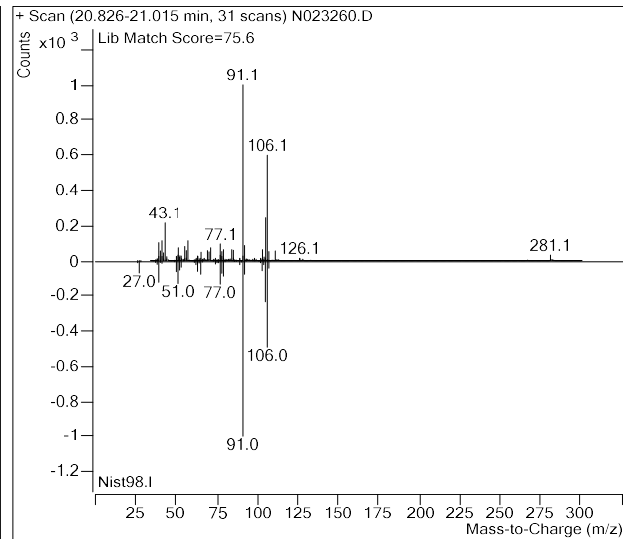
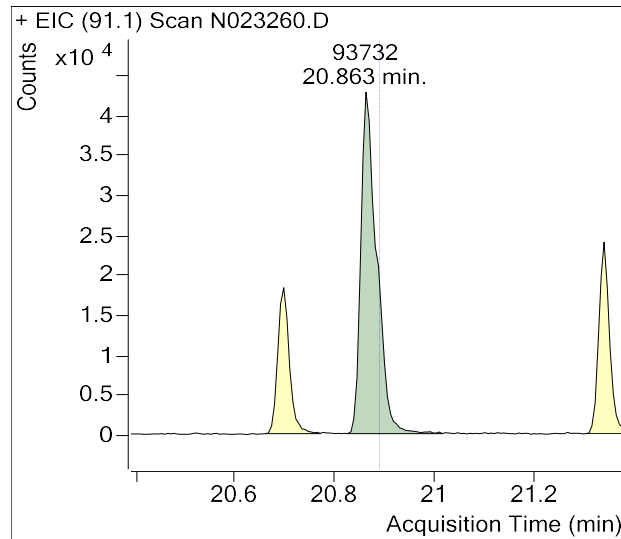


Ethylbenzene

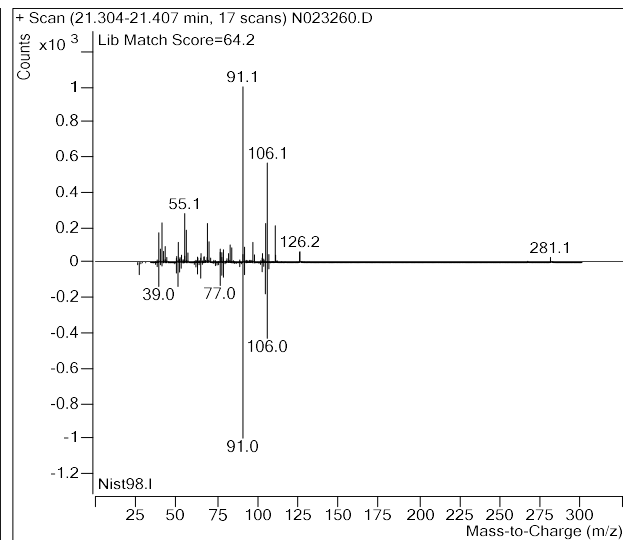
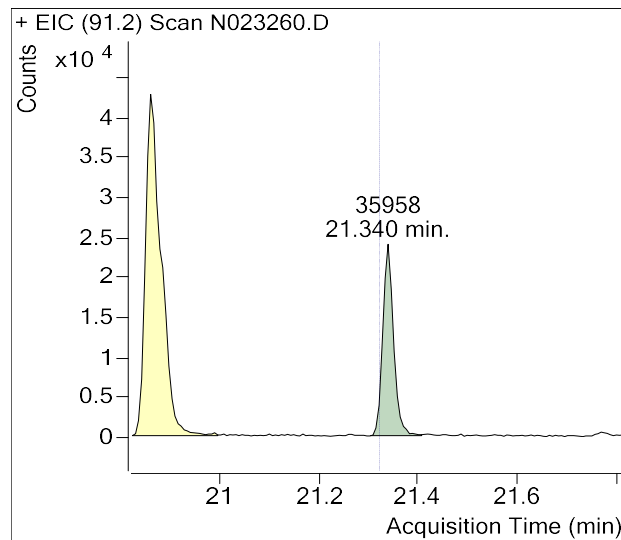


Sample Name : USSCL-PT09-S-20230214
Sample Info : B46914;Recollect
Data File : N023260.D
Acquisition Date : 2023-03-21 23:24:26
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

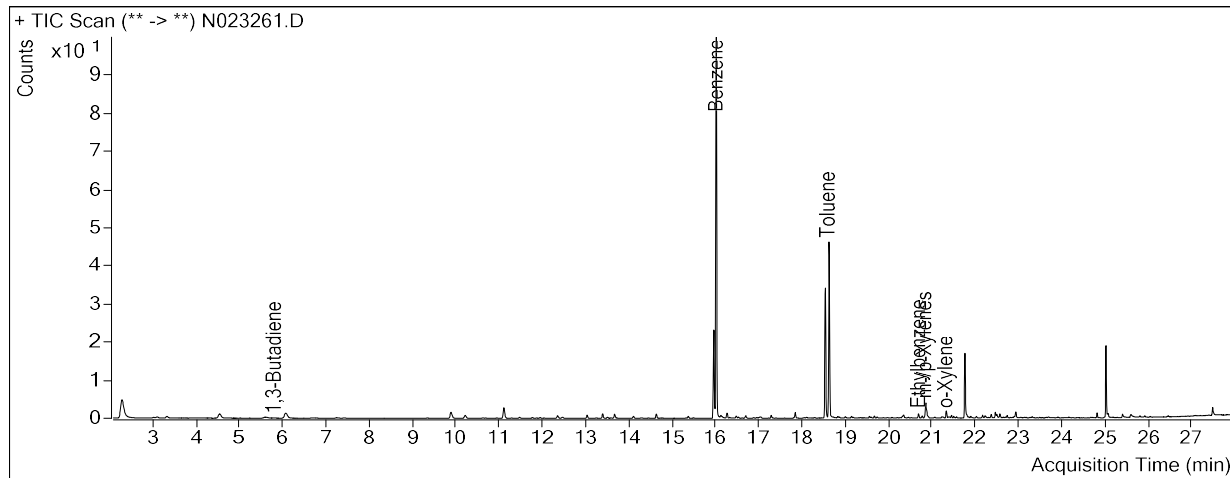
m-/p-Xylenes



o-Xylene



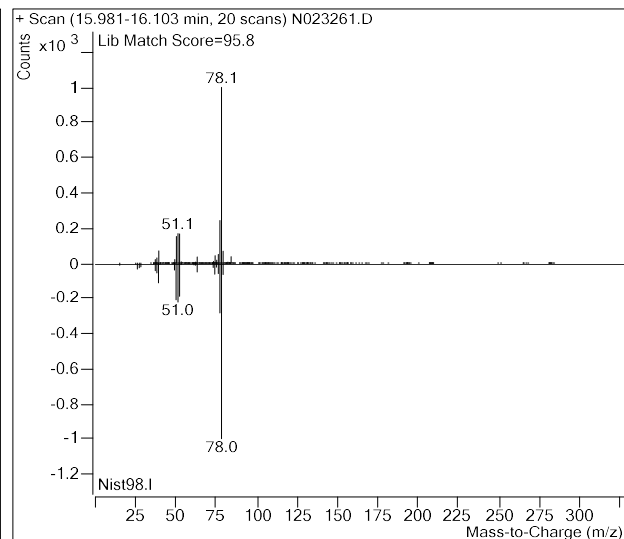
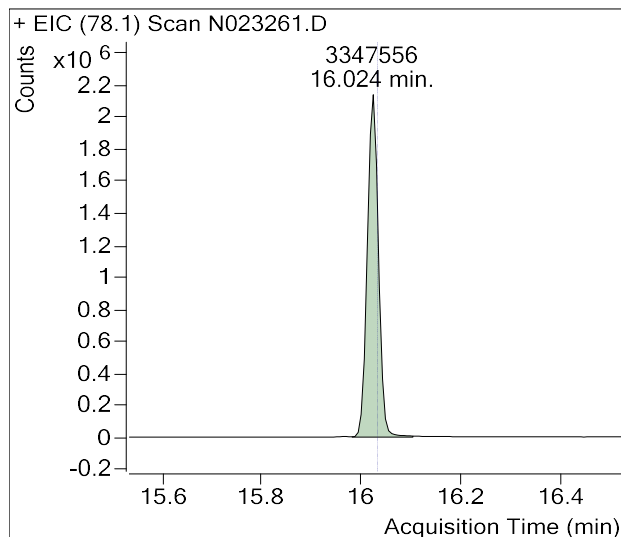
Sample Name : USSCL-PT10-S-20230214
Sample Info : B48071;Recollect
Data File : N023261.D
Acquisition Date : 2023-03-22 00:01:28
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	888,707	
Benzene	16.03	3,347,556	
Toluene-d8 (IS)	18.55	993,629	
Toluene	18.64	1,446,525	
Ethylbenzene	20.70	36,705	
m-/p-Xylenes	20.89	137,897	
o-Xylene	21.32	45,286	

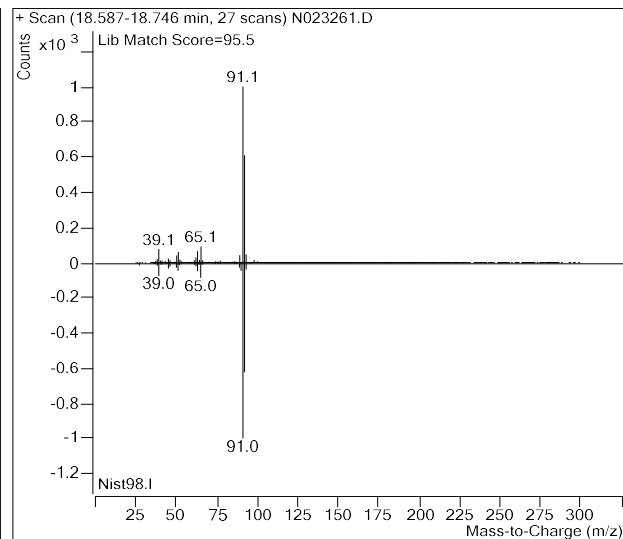
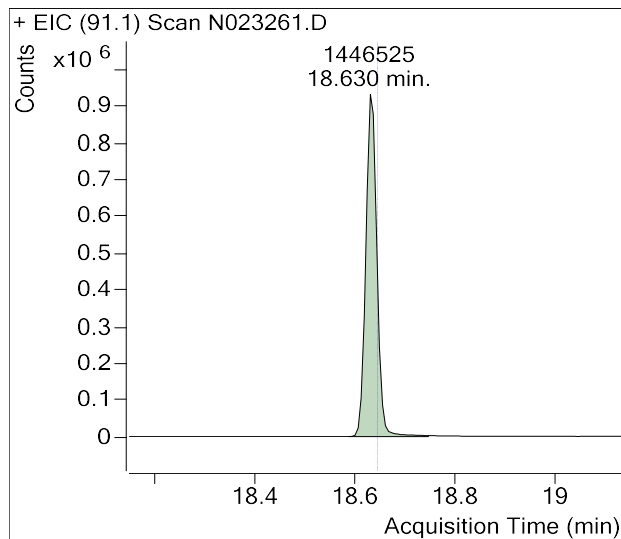
(m)=Manual Integration

Benzene

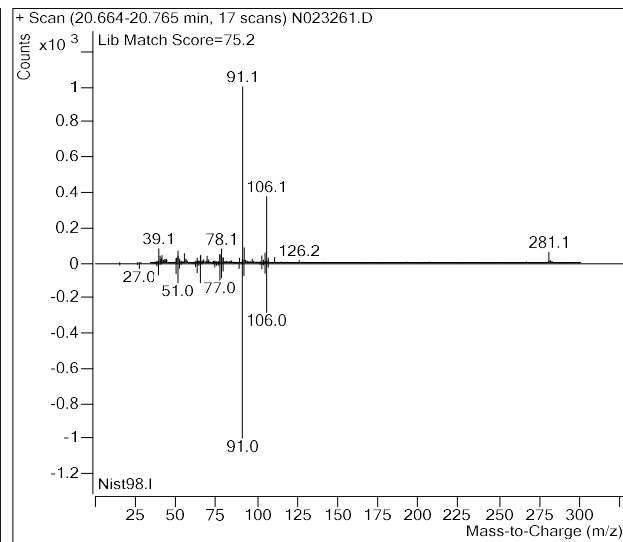
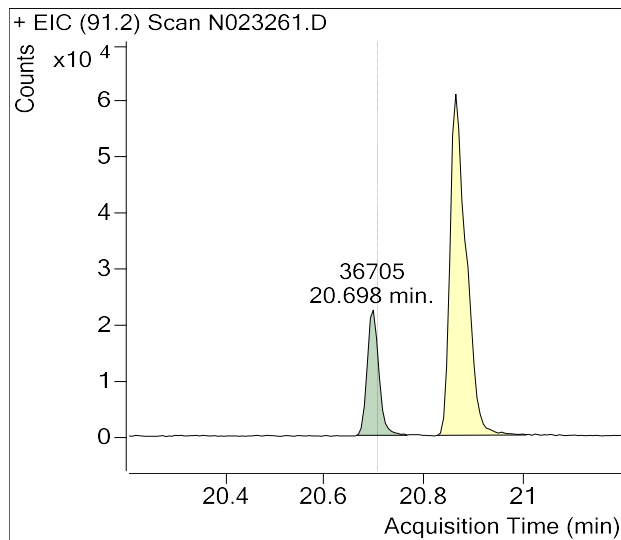


Sample Name : USSCL-PT10-S-20230214
Sample Info : B48071;Recollect
Data File : N023261.D
Acquisition Date : 2023-03-22 00:01:28
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

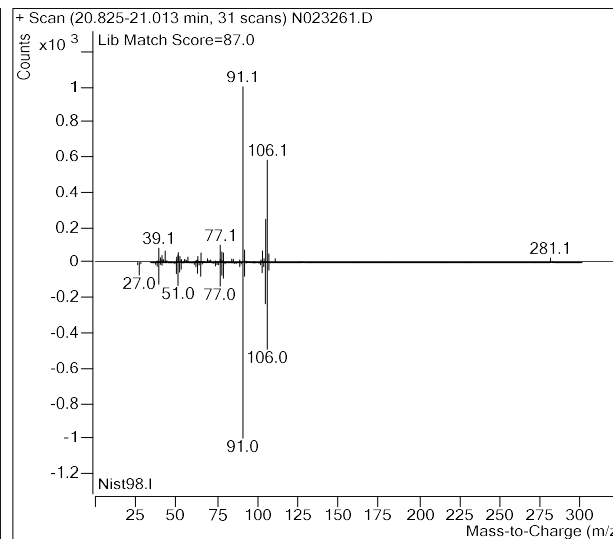
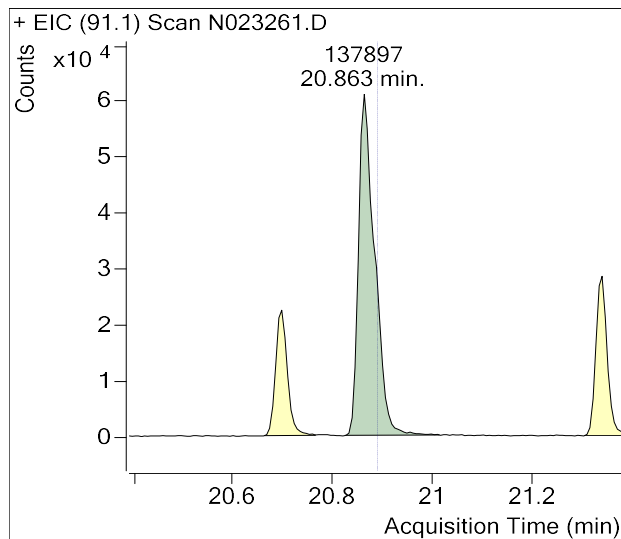


Ethylbenzene

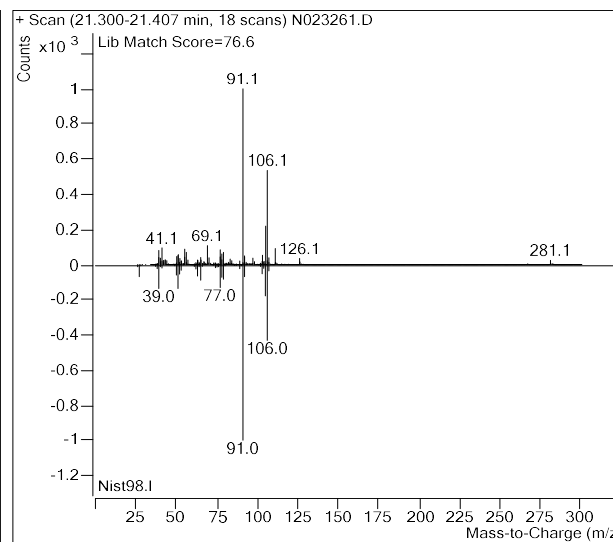
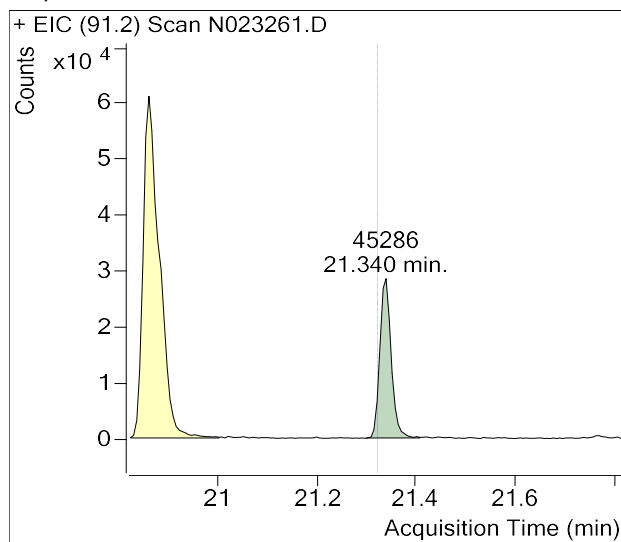


Sample Name : USSCL-PT10-S-20230214
Sample Info : B48071;Recollect
Data File : N023261.D
Acquisition Date : 2023-03-22 00:01:28
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

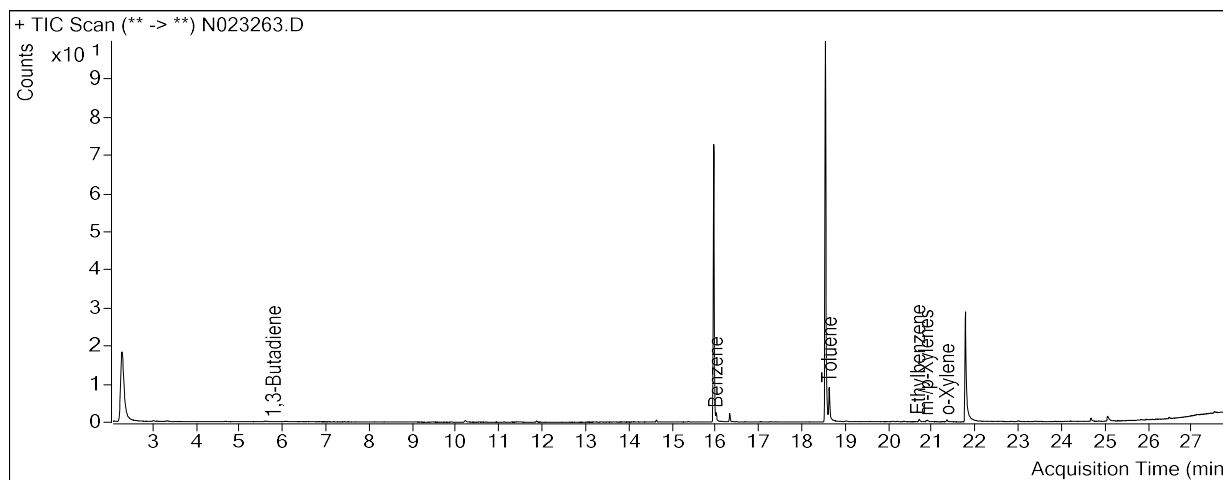
m-/p-Xylenes



o-Xylene



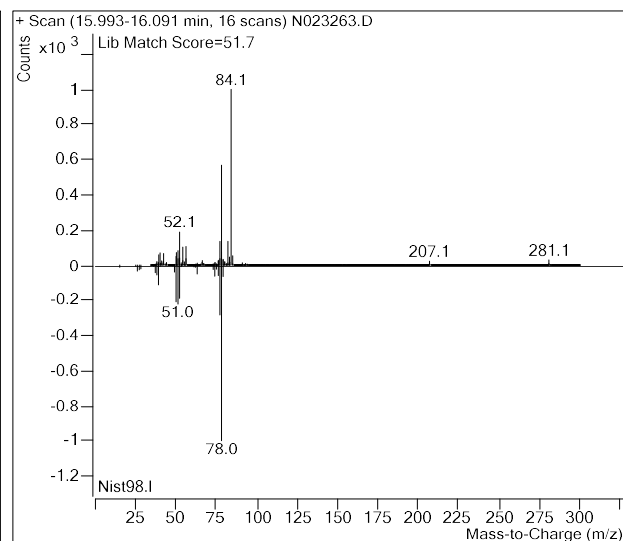
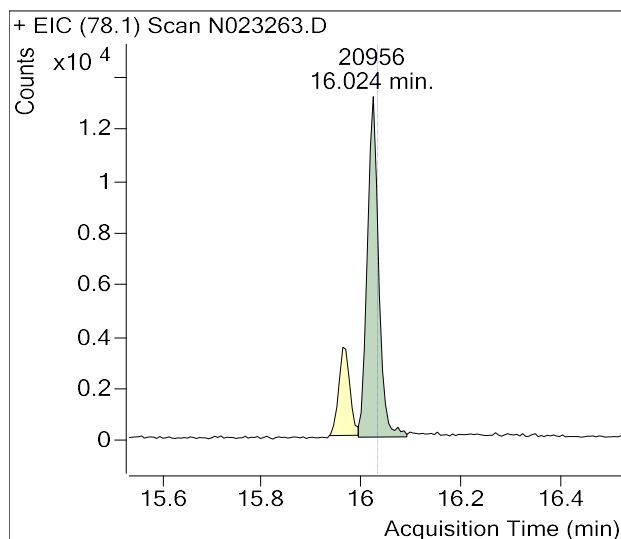
Sample Name : USSCL-PT10-B-20230214
Sample Info : C02013;Recollect
Data File : N023263.D
Acquisition Date : 2023-03-22 02:01:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	893,391	
Benzene	16.03	20,956	
Toluene-d8 (IS)	18.55	995,491	
Toluene	18.64	92,425	
Ethylbenzene	20.70	9,810	
m-/p-Xylenes	20.89	6,562	
o-Xylene	21.32	5,725	

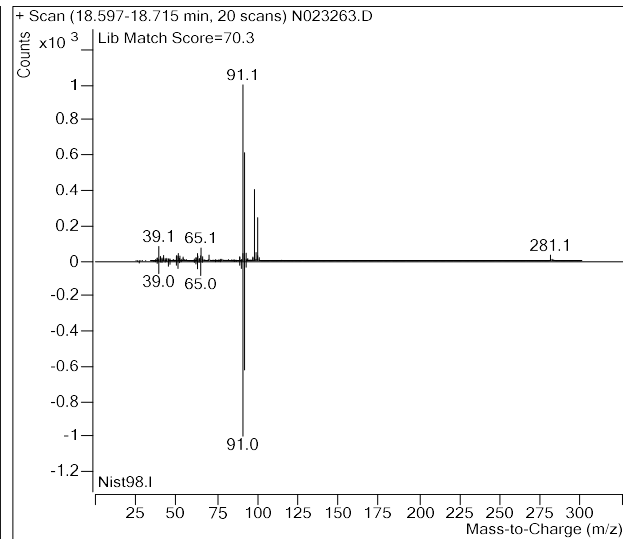
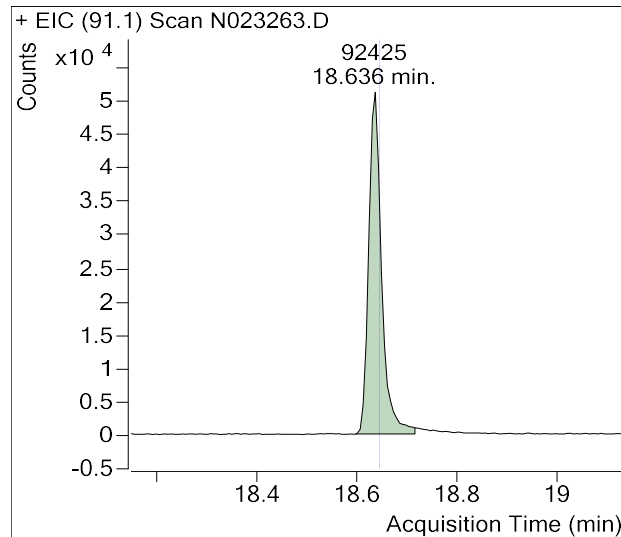
(m)=Manual Integration

Benzene

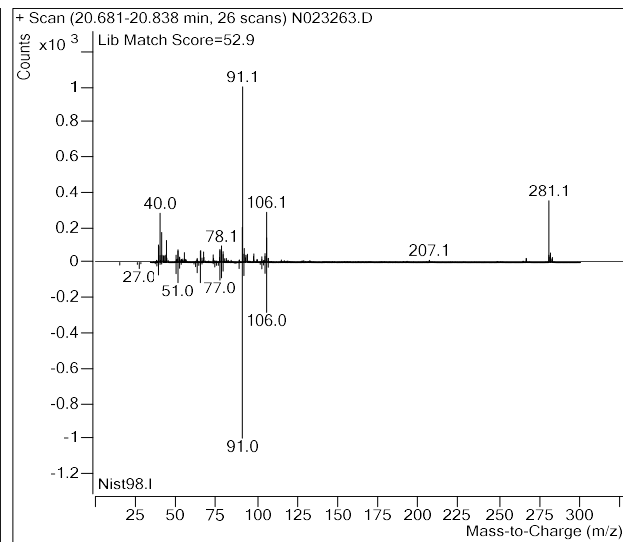
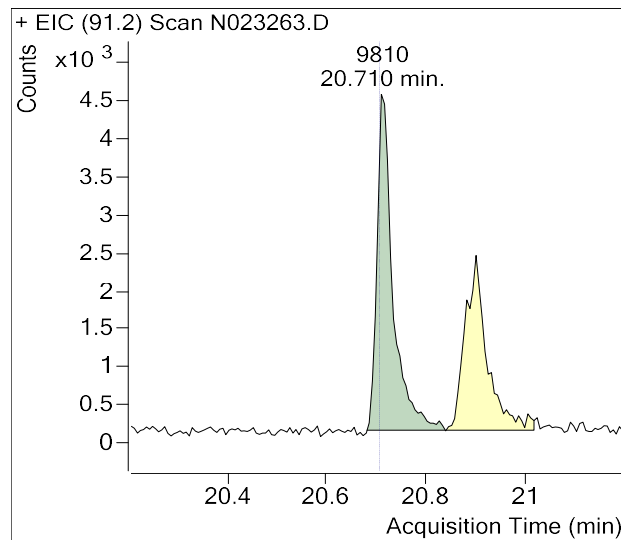


Sample Name : USSCL-PT10-B-20230214
Sample Info : C02013;Recollect
Data File : N023263.D
Acquisition Date : 2023-03-22 02:01:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

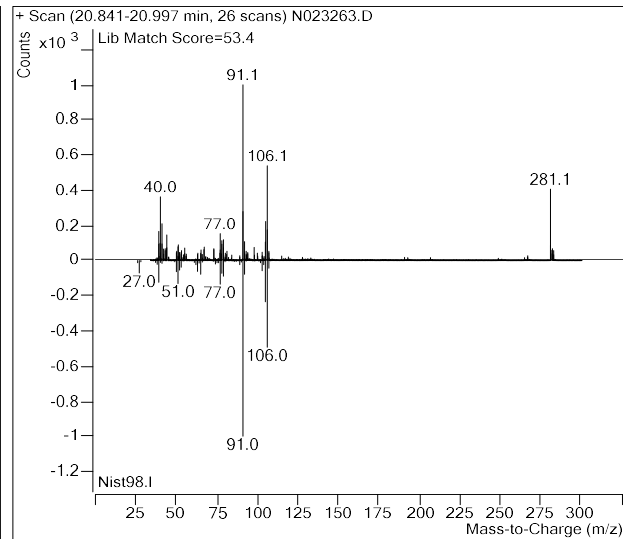
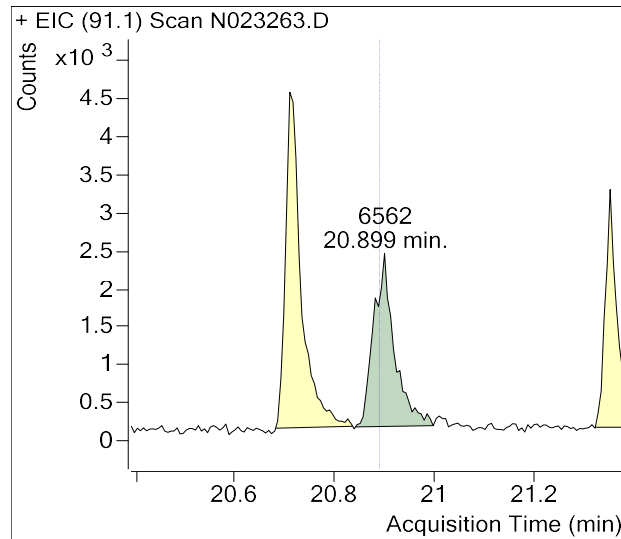


Ethylbenzene

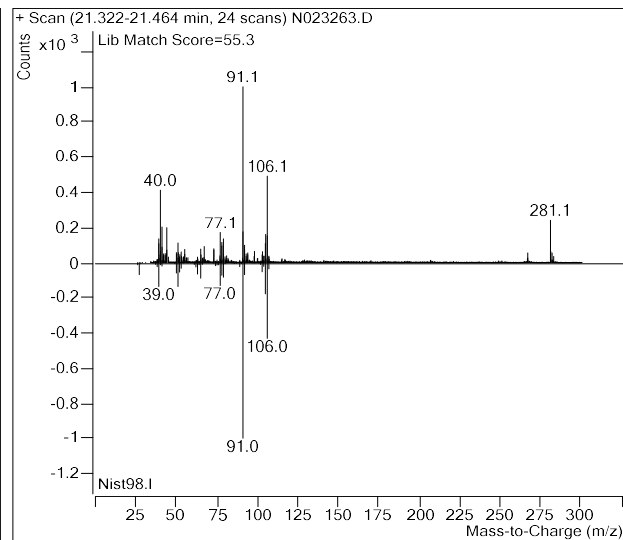
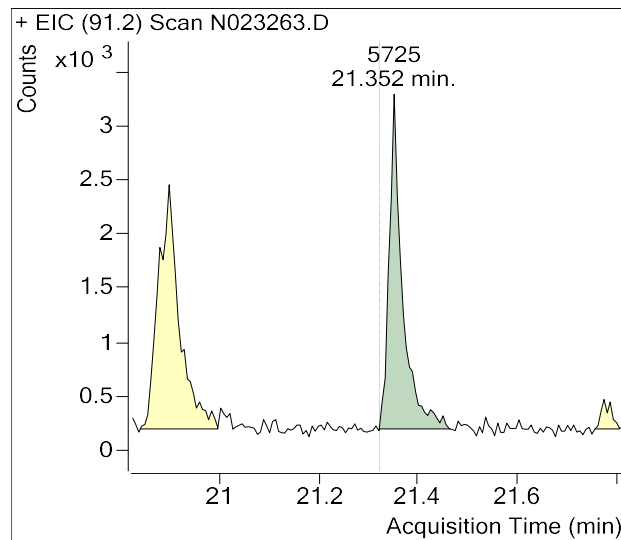


Sample Name : USSCL-PT10-B-20230214
Sample Info : C02013;Recollect
Data File : N023263.D
Acquisition Date : 2023-03-22 02:01:51
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

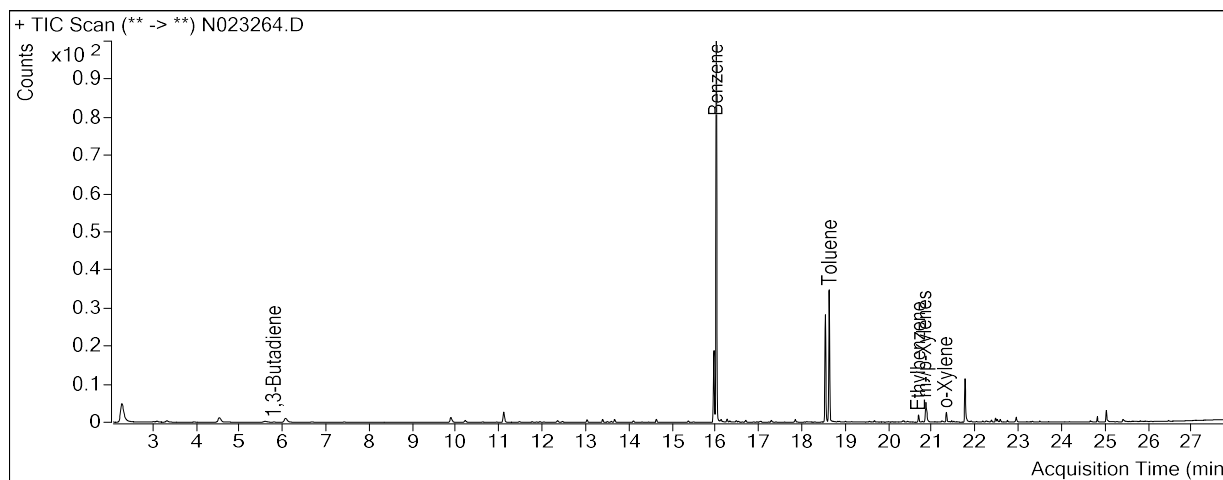
m-/p-Xylenes



o-Xylene



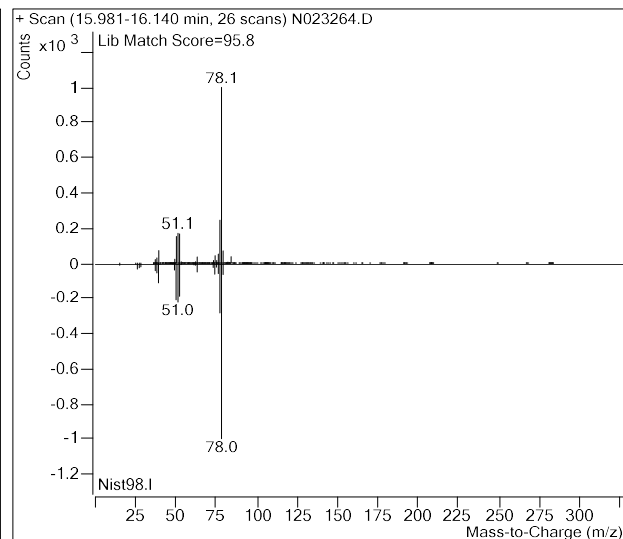
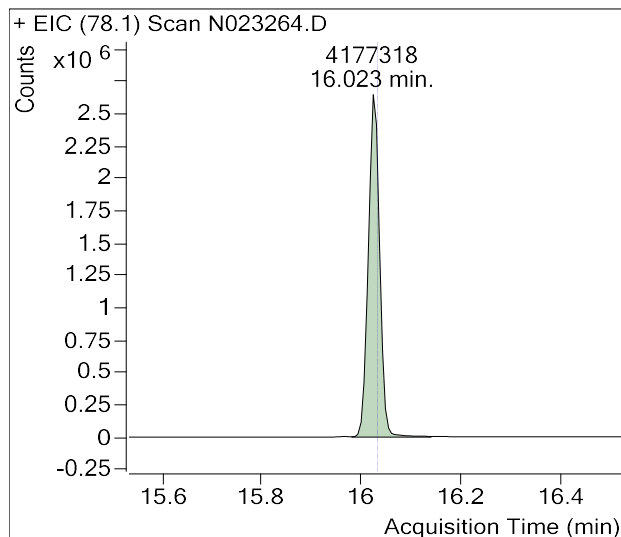
Sample Name : USSCL-PT11-S-20230214
Sample Info : B20829;Recollect
Data File : N023264.D
Acquisition Date : 2023-03-22 02:38:44
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	885,295	
Benzene	16.03	4,177,318	
Toluene-d8 (IS)	18.55	995,692	
Toluene	18.64	1,399,946	
Ethylbenzene	20.70	78,852	
m-/p-Xylenes	20.89	246,514	
o-Xylene	21.32	83,338	

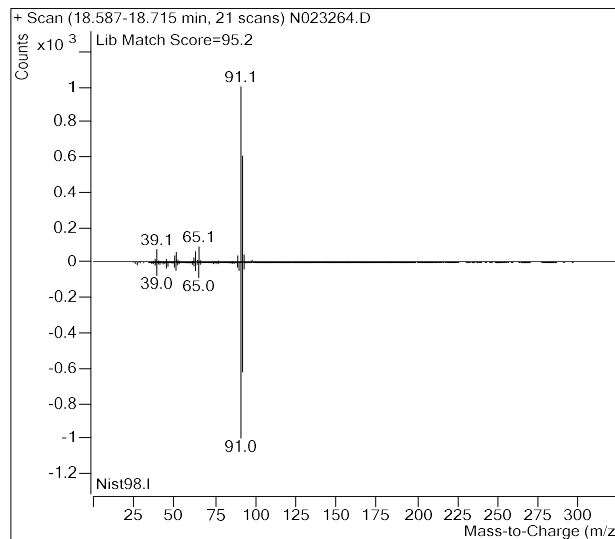
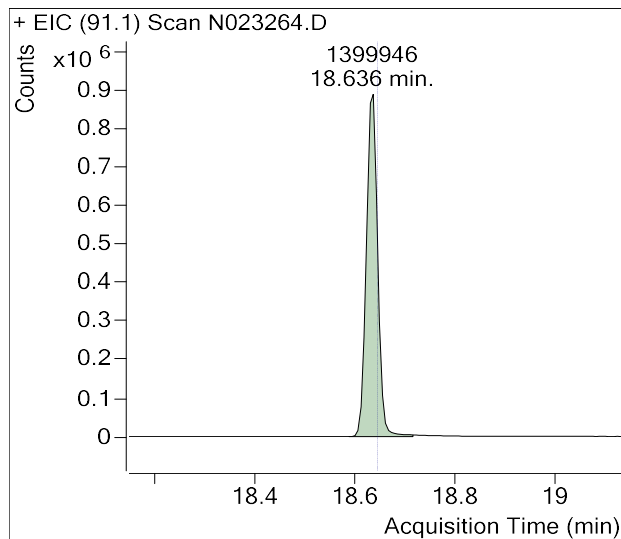
(m)=Manual Integration

Benzene

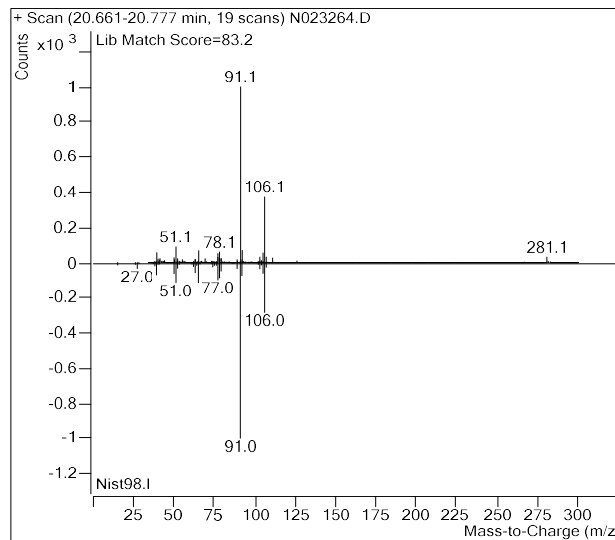
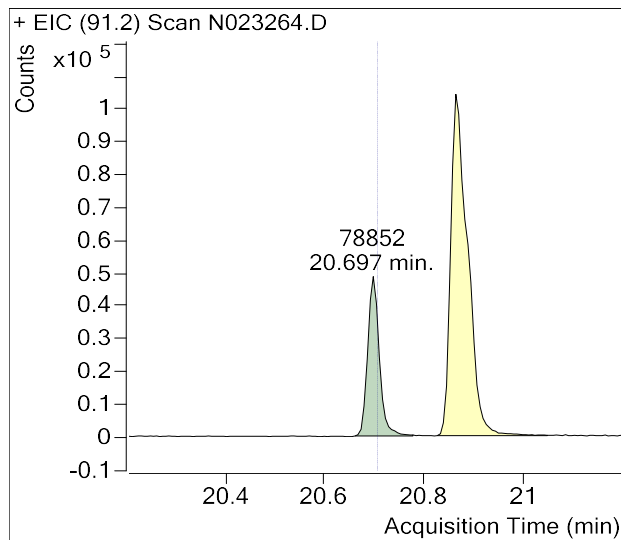


Sample Name : USSCL-PT11-S-20230214
Sample Info : B20829;Recollect
Data File : N023264.D
Acquisition Date : 2023-03-22 02:38:44
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

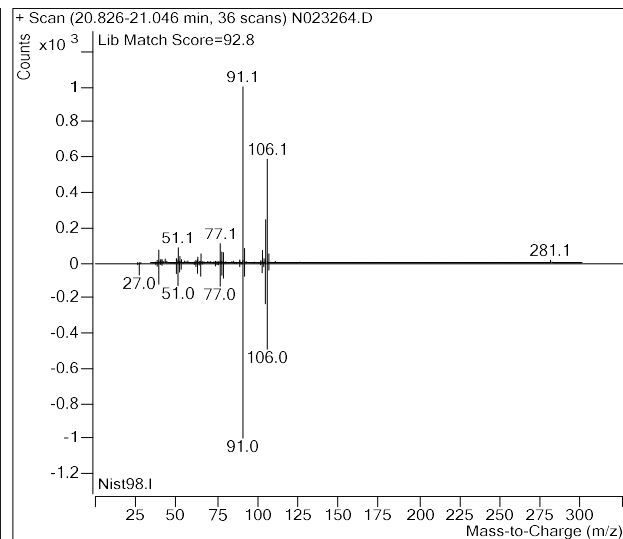
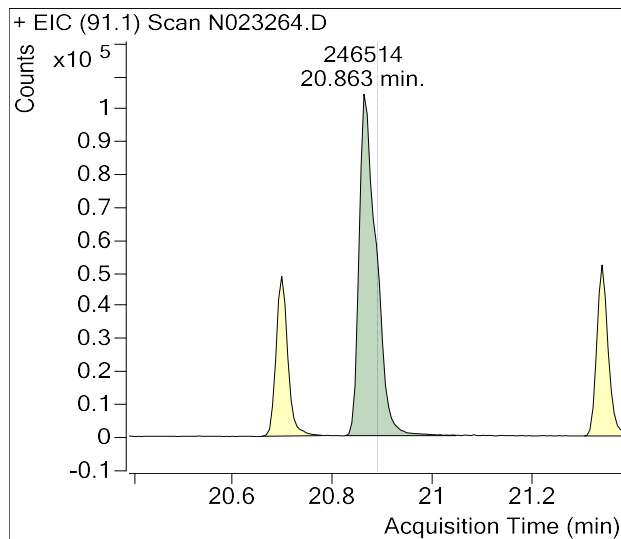


Ethylbenzene

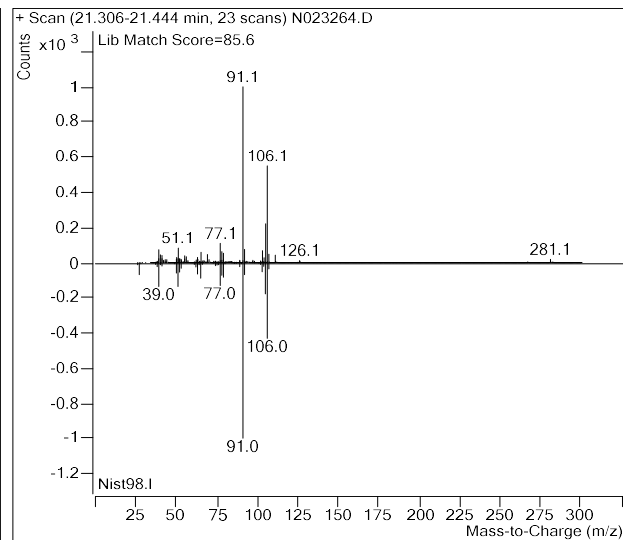
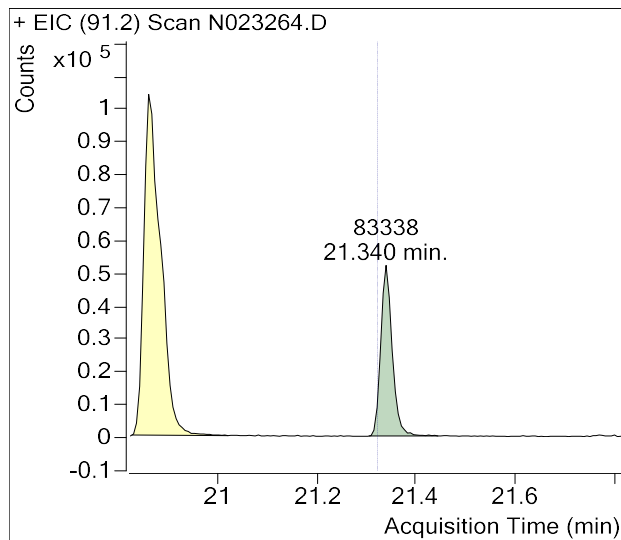


Sample Name : USSCL-PT11-S-20230214
Sample Info : B20829;Recollect
Data File : N023264.D
Acquisition Date : 2023-03-22 02:38:44
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

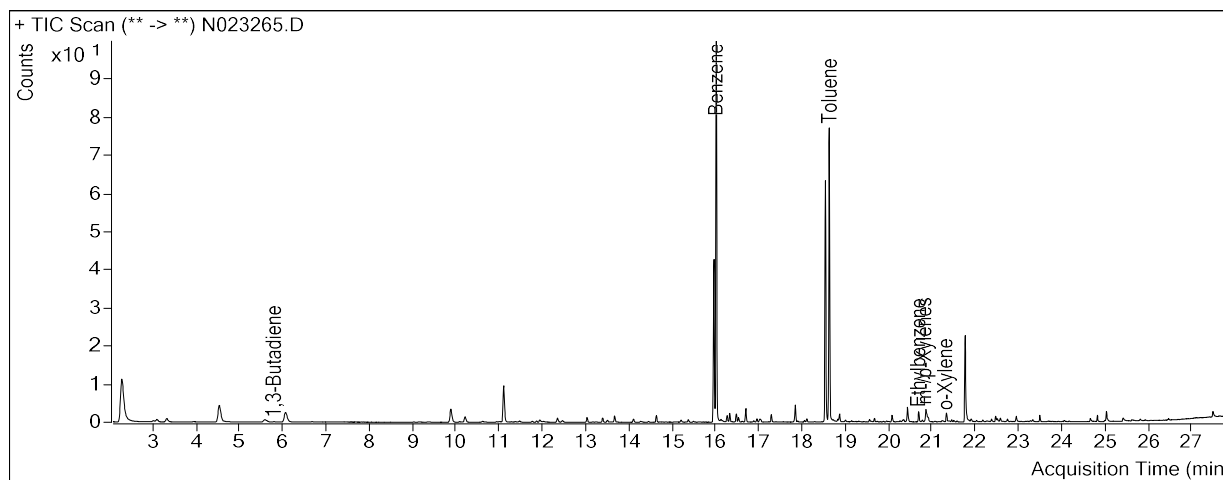
m-/p-Xylenes



o-Xylene



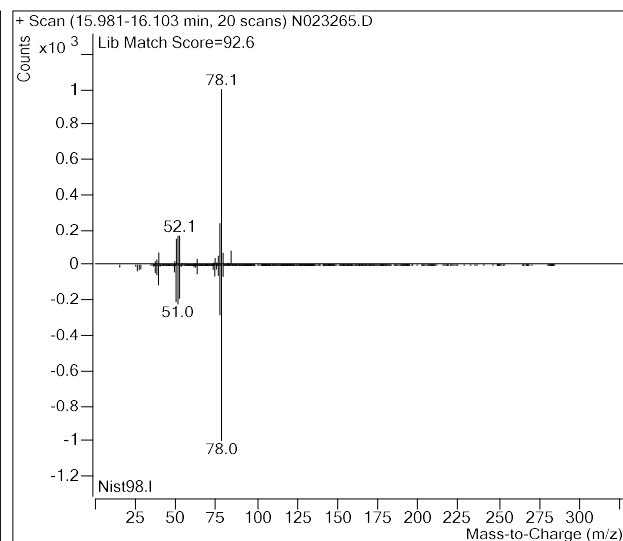
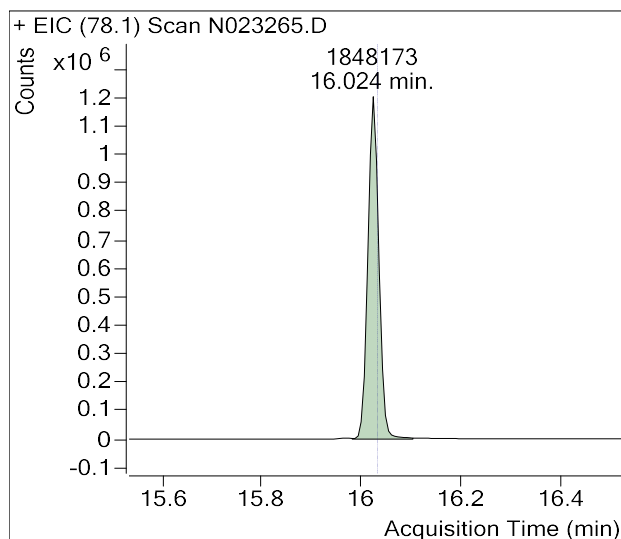
Sample Name : USSCL-PT12-S-20230214
Sample Info : B19739;Recollect
Data File : N023265.D
Acquisition Date : 2023-03-22 03:15:37
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



Compound	Retention Time	Response	Flags
Benzene-d6 (IS)	15.97	884,792	
Benzene	16.03	1,848,173	
Toluene-d8 (IS)	18.55	990,866	
Toluene	18.64	1,345,018	
Ethylbenzene	20.70	50,609	
m-/p-Xylenes	20.89	71,153	
o-Xylene	21.32	33,758	

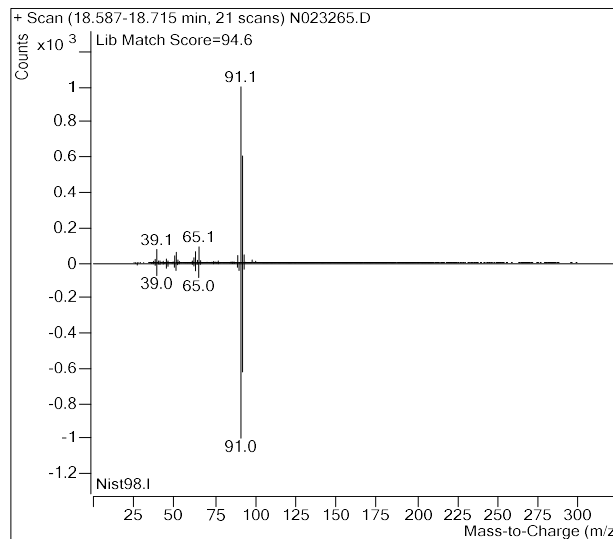
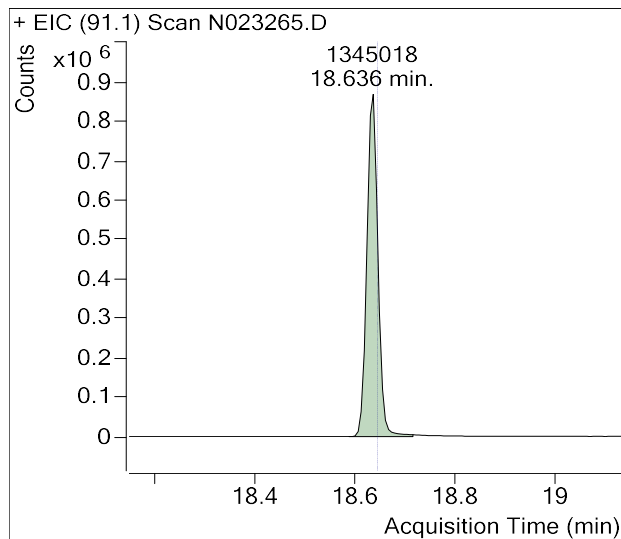
(m)=Manual Integration

Benzene

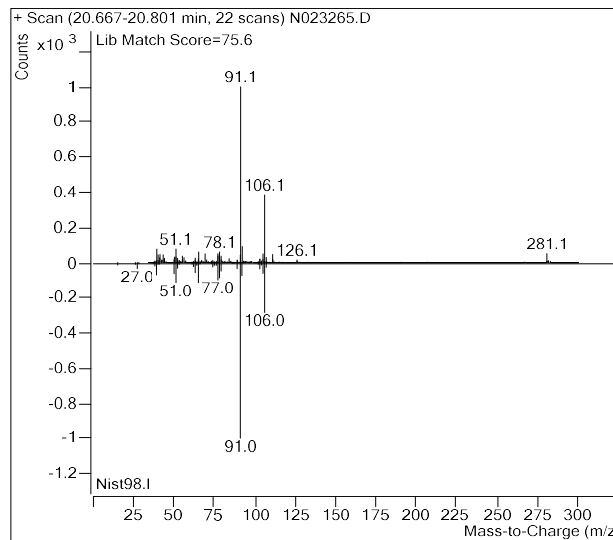
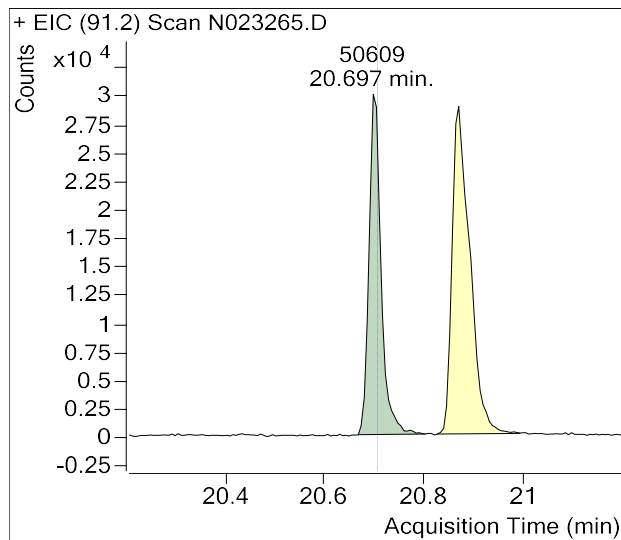


Sample Name : USSCL-PT12-S-20230214
Sample Info : B19739;Recollect
Data File : N023265.D
Acquisition Date : 2023-03-22 03:15:37
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

Toluene

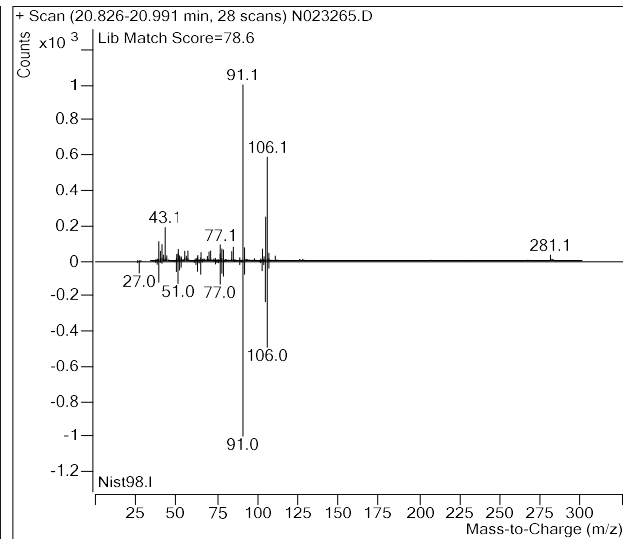
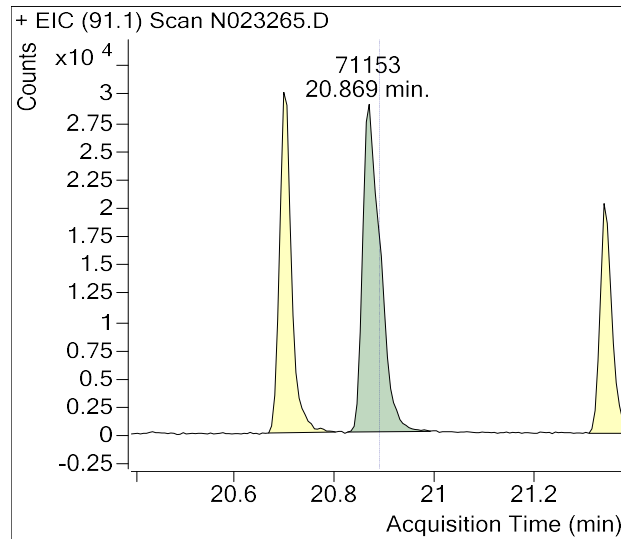


Ethylbenzene

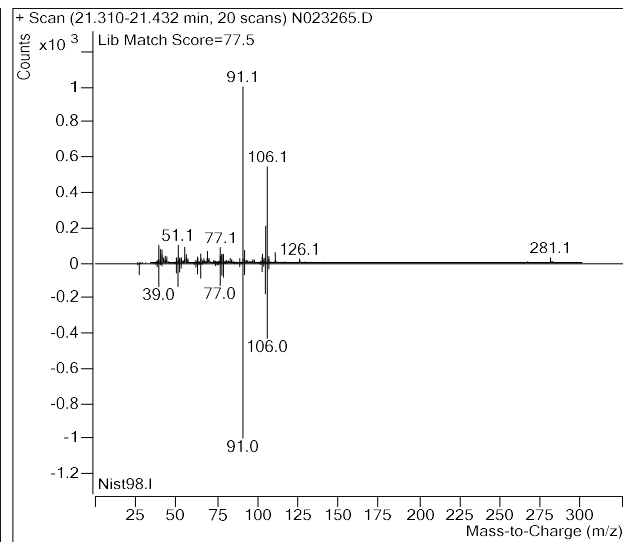
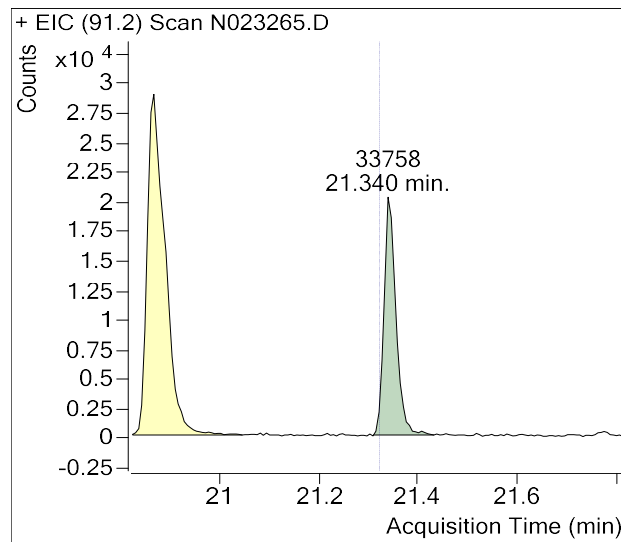


Sample Name : USSCL-PT12-S-20230214
Sample Info : B19739;Recollect
Data File : N023265.D
Acquisition Date : 2023-03-22 03:15:37
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

m-/p-Xylenes



o-Xylene



Calibration Summary Reports



Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

1,3-Butadiene 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	0.202	0.202	0.202	-0.19%	-13%		Pass	
2023EE105 Method Blank	Blank		0.202	0.202			-1.6%	Pass	ND
M325B CCV 5	Check	0.207	0.202	0.202	2.7%		3.3%	Pass	
M325B CCV 5	Check	0.201	0.202	0.202	-0.25%		0.74%	Pass	

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	1.013	1.106	1.013	-8.4%	-18%		Pass	
2023EE105 Method Blank	Blank		1.106	1.013			-8.5%	Pass	J,Rc
M325B CCV 5	Check	1.082	1.106	1.013	-2.2%		-6.0%	Pass	
M325B CCV 5	Check	1.067	1.106	1.013	-3.5%		-3.9%	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	1.173	1.450	1.173	-19%	-11%		Pass	
2023EE105 Method Blank	Blank		1.450	1.173			-11%	Pass	ND,Rc
M325B CCV 5	Check	1.203	1.450	1.173	-17%		-5.0%	Pass	
M325B CCV 5	Check	1.221	1.450	1.173	-16%		-3.0%	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	0.832	0.998	0.832	-17%	-11%		Pass	
2023EE105 Method Blank	Blank		0.998	0.832			-11%	Pass	ND,Rc
M325B CCV 5	Check	0.833	0.998	0.832	-17%		-5.0%	Pass	
M325B CCV 5	Check	0.871	0.998	0.832	-13%		-3.0%	Pass	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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	0.879	1.118	0.879	-21%	-11%		Pass	
2023EE105 Method Blank	Blank		1.118	0.879			-11%	Pass	ND,Rc
M325B CCV 5	Check	0.906	1.118	0.879	-19%		-5.0%	Pass	
M325B CCV 5	Check	0.938	1.118	0.879	-16%		-3.0%	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	1.220	1.509	1.220	-19%	-11%		Pass	
2023EE105 Method Blank	Blank		1.509	1.220			-11%	Fail	Rc
M325B CCV 5	Check	1.286	1.509	1.220	-15%		-5.0%	Pass	
M325B CCV 5	Check	1.265	1.509	1.220	-16%		-3.0%	Pass	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N022223A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	1	N221012.D	5.29	11923	91.9	1087167	0.191	-5.5%
N022223A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	2	N221022.D	10.57	28221	91.9	1081301	0.227	12%
N022223A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	3	N221013.D	21.14	46032	91.9	1118272	0.179	-11%
N022223A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	4	N221014.D	42.28	96098	91.9	1134182	0.184	-8.7%
N022223A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	5	N221015.D	105.70	260239	91.9	1174614	0.193	-4.6%
N022223A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	6	N221016.D	211.40	578783	91.9	1165516	0.216	7.0%
N022223A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	7	N221017.D	634.20	1791501	91.9	1161640	0.224	11%
						Avg:	1131813	0.202	
						%RSD:	3.3%	9.8%	
N022223A_BUT_BTEX.quantmethod.xml	Benzene	1	N221012.D	5.21	73311	91.9	1087167	1.191	7.6%
N022223A_BUT_BTEX.quantmethod.xml	Benzene	2	N221022.D	10.41	151804	91.9	1081301	1.239	12%
N022223A_BUT_BTEX.quantmethod.xml	Benzene	3	N221013.D	20.83	267917	91.9	1118272	1.058	-4.4%
N022223A_BUT_BTEX.quantmethod.xml	Benzene	4	N221014.D	41.66	527945	91.9	1134182	1.027	-7.1%
N022223A_BUT_BTEX.quantmethod.xml	Benzene	5	N221015.D	104.15	1381516	91.9	1174614	1.038	-6.1%
N022223A_BUT_BTEX.quantmethod.xml	Benzene	6	N221016.D	208.30	2940576	91.9	1165516	1.114	0.67%
N022223A_BUT_BTEX.quantmethod.xml	Benzene	7	N221017.D	624.90	8500341	91.9	1161640	1.077	-2.7%
						Avg:	1131813	1.106	
						%RSD:	3.3%	7.3%	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N022223A_BUT_BTEX.quantmethod.xml	Ethylbenzene	1	N221012.D	5.35	100002	106.9	1098525	1.818	25%
N022223A_BUT_BTEX.quantmethod.xml	Ethylbenzene	2	N221022.D	10.70	193190	106.9	1099891	1.753	21%
N022223A_BUT_BTEX.quantmethod.xml	Ethylbenzene	3	N221013.D	21.41	338682	106.9	1151246	1.468	1.2%
N022223A_BUT_BTEX.quantmethod.xml	Ethylbenzene	4	N221014.D	42.82	666597	106.9	1183344	1.406	-3.1%
N022223A_BUT_BTEX.quantmethod.xml	Ethylbenzene	5	N221015.D	107.05	1550203	106.9	1217883	1.271	-12%
N022223A_BUT_BTEX.quantmethod.xml	Ethylbenzene	6	N221016.D	214.10	3008967	106.9	1225580	1.225	-16%
N022223A_BUT_BTEX.quantmethod.xml	Ethylbenzene	7	N221017.D	642.30	8975942	106.9	1232046	1.212	-16%
						Avg:	1172645	1.450	
						%RSD:	4.9%	17%	
N022223A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	1	N221012.D	5.39	65656	106.9	1098525	1.186	19%
N022223A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	2	N221022.D	10.77	131214	106.9	1099891	1.183	19%
N022223A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	3	N221013.D	21.55	231519	106.9	1151246	0.997	-0.048%
N022223A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	4	N221014.D	43.10	474979	106.9	1183344	0.995	-0.25%
N022223A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	5	N221015.D	107.75	1102135	106.9	1217883	0.898	-10%
N022223A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	6	N221016.D	215.50	2070107	106.9	1225580	0.838	-16%
N022223A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	7	N221017.D	646.50	6617450	106.9	1232046	0.888	-11%
						Avg:	1172645	0.998	
						%RSD:	4.9%	14%	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N022223A_BUT_BTEX.quantmethod.xml	o-Xylene	1	N221012.D	5.42	75282	106.9	1098525	1.352	21%
N022223A_BUT_BTEX.quantmethod.xml	o-Xylene	2	N221022.D	10.83	148490	106.9	1099891	1.332	19%
N022223A_BUT_BTEX.quantmethod.xml	o-Xylene	3	N221013.D	21.67	275731	106.9	1151246	1.181	5.7%
N022223A_BUT_BTEX.quantmethod.xml	o-Xylene	4	N221014.D	43.34	557528	106.9	1183344	1.162	3.9%
N022223A_BUT_BTEX.quantmethod.xml	o-Xylene	5	N221015.D	108.34	1169875	106.9	1217883	0.948	-15%
N022223A_BUT_BTEX.quantmethod.xml	o-Xylene	6	N221016.D	216.68	2227959	106.9	1225580	0.897	-20%
N022223A_BUT_BTEX.quantmethod.xml	o-Xylene	7	N221017.D	650.04	7155243	106.9	1232046	0.955	-15%
						Avg:	1172645	1.118	
						%RSD:	4.9%	17%	
N022223A_BUT_BTEX.quantmethod.xml	Toluene	1	N221012.D	5.41	108063	106.9	1098525	1.944	29%
N022223A_BUT_BTEX.quantmethod.xml	Toluene	2	N221022.D	10.82	212510	106.9	1099891	1.909	26%
N022223A_BUT_BTEX.quantmethod.xml	Toluene	3	N221013.D	21.63	335368	106.9	1151246	1.439	-4.6%
N022223A_BUT_BTEX.quantmethod.xml	Toluene	4	N221014.D	43.26	668137	106.9	1183344	1.395	-7.6%
N022223A_BUT_BTEX.quantmethod.xml	Toluene	5	N221015.D	108.15	1593718	106.9	1217883	1.293	-14%
N022223A_BUT_BTEX.quantmethod.xml	Toluene	6	N221016.D	216.31	3288389	106.9	1225580	1.326	-12%
N022223A_BUT_BTEX.quantmethod.xml	Toluene	7	N221017.D	648.92	9421025	106.9	1232046	1.259	-17%
						Avg:	1172645	1.509	
						%RSD:	4.9%	19%	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE105-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
N022223A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	ICV	N221018.D	103.23	264848	91.9	1147021	0.206	1.9%
N022223A_BUT_BTEX.quantmethod.xml	Benzene	ICV	N221018.D	103.92	1334794	91.9	1147021	1.030	-6.9%
N022223A_BUT_BTEX.quantmethod.xml	Ethylbenzene	ICV	N221018.D	106.81	1605689	106.9	1208565	1.329	-8.4%
N022223A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	ICV	N221018.D	107.51	1143546	106.9	1208565	0.941	-5.7%
N022223A_BUT_BTEX.quantmethod.xml	o-Xylene	ICV	N221018.D	108.10	1241311	106.9	1208565	1.015	-9.2%
N022223A_BUT_BTEX.quantmethod.xml	Toluene	ICV	N221018.D	107.93	1588841	106.9	1208565	1.302	-14%

**This Is The Last Page
Of This Report.**