Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023116.D
Acq On : 15 Aug 2025 11:07
Operator : SY/MD
Sample : Q2877-01
Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Quant Time: Aug 18 02:27:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	420885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	794068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	740057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	336966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	248987	62.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.140%			
35) Dibromofluoromethane	7.634	113	258233	54.348	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.700%			
50) Toluene-d8	10.103	98	981774	52.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.402	95	322697	54.058	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.120%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.518	91	34537	1.257	ug/l	96
68) m/p-Xylenes	11.621	106	64606	6.022	ug/l	98
69) o-Xylene	11.950	106	70985	7.064	ug/l	92
78) n-propylbenzene	12.591	91	120397	4.252	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	472873	24.602	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	824297	43.081	ug/l	99
85) sec-Butylbenzene	13.170	105	122719	4.812	ug/l	87
86) p-Isopropyltoluene	13.286	119	92798	4.384	ug/l	97
89) n-Butylbenzene	13.615	91	69347	3.567	ug/l #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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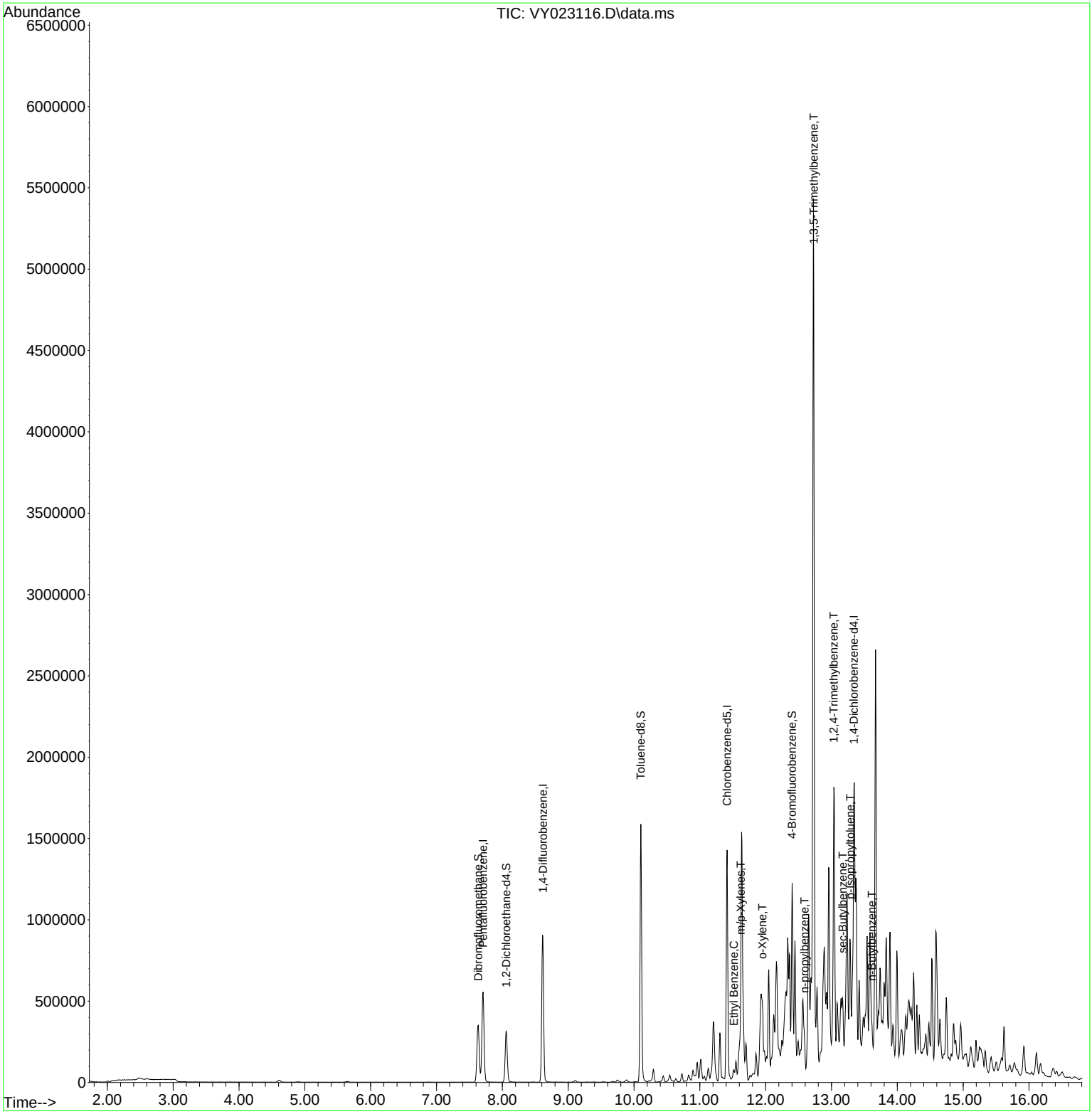
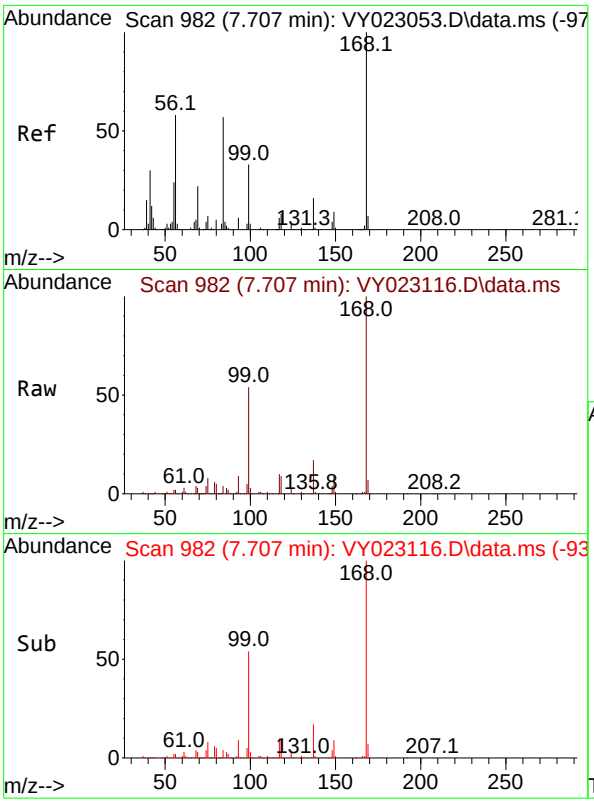
EO-02-08142025

Quant Time: Aug 18 02:27:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



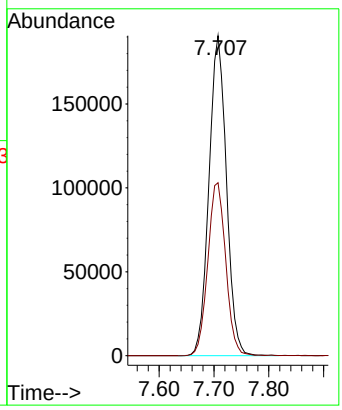


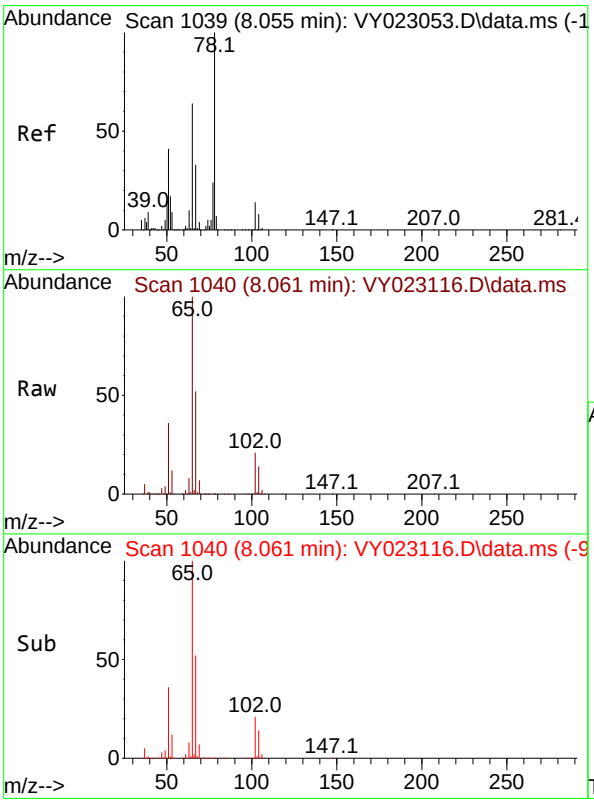
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Tgt Ion:168 Resp: 420885

Ion	Ratio	Lower	Upper
168	100		
99	54.1	42.8	64.2

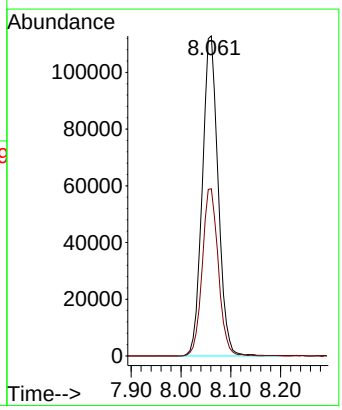


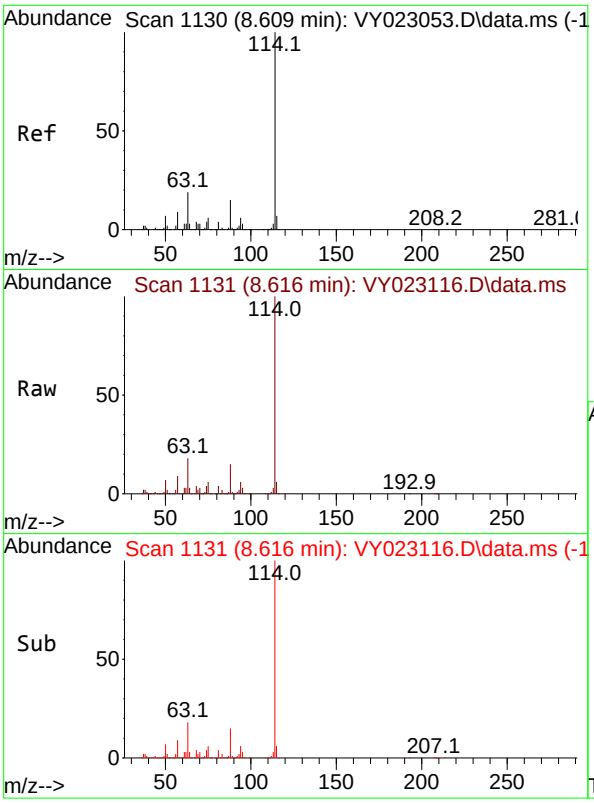


#33
1,2-Dichloroethane-d4
Concen: 62.071 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion: 65 Resp: 248987

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.8



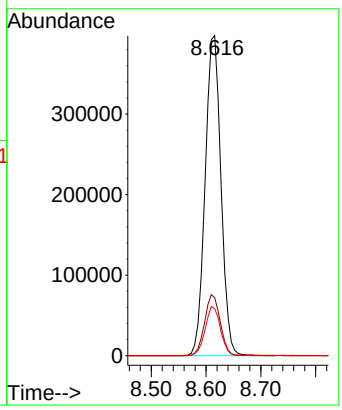


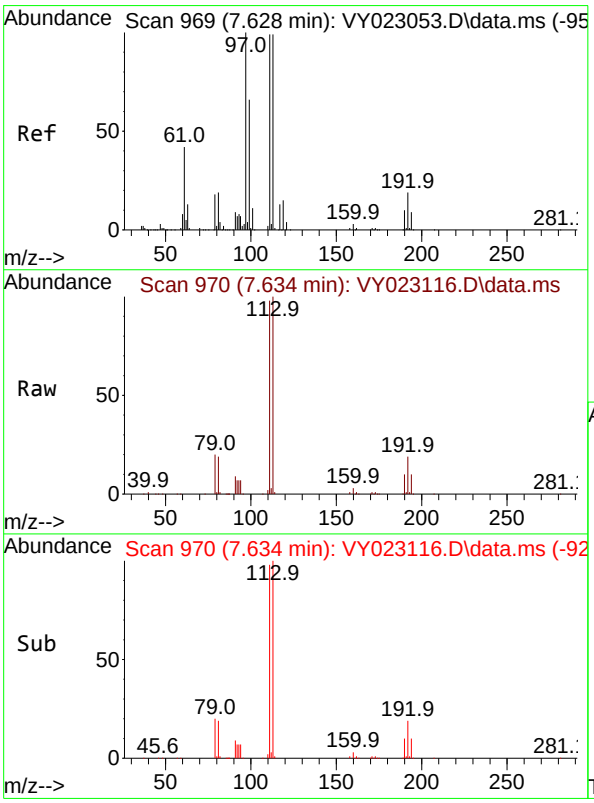
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Tgt Ion:114 Resp: 794068

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.4
88	14.6	0.0	30.0

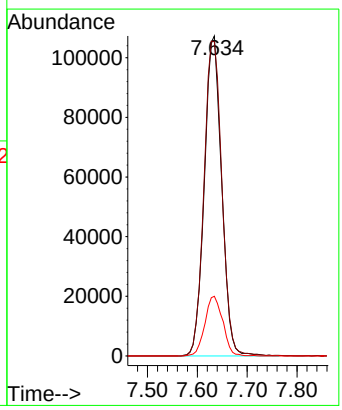


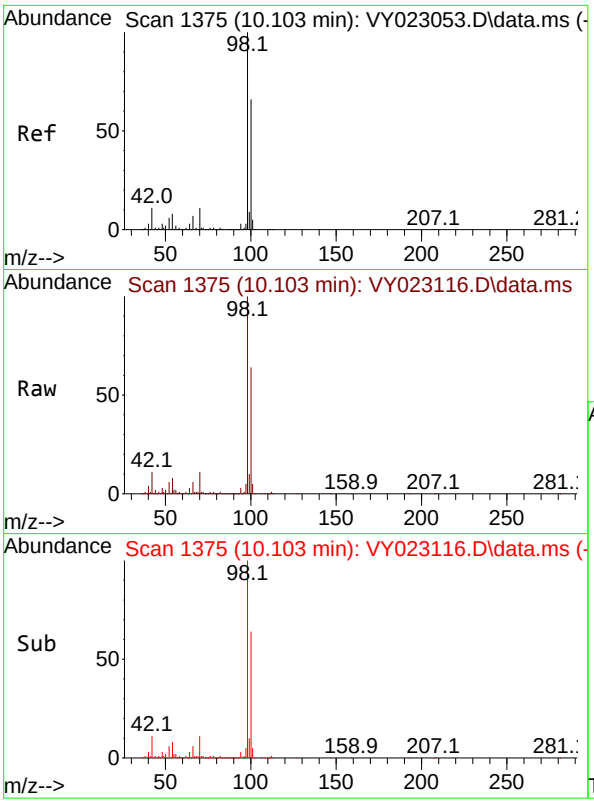


#35
Dibromofluoromethane
Concen: 54.348 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion:113 Resp: 258233

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	19.3	16.2	24.4



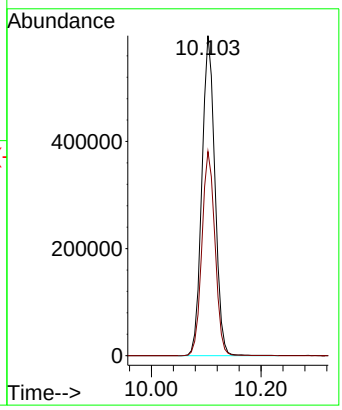


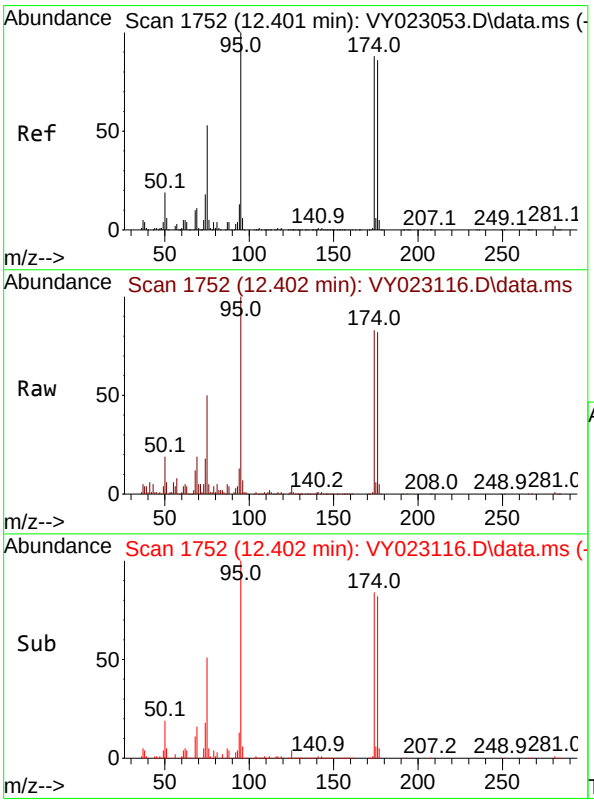
#50
Toluene-d8
Concen: 52.892 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Tgt Ion: 98 Resp: 981774

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.3	78.5

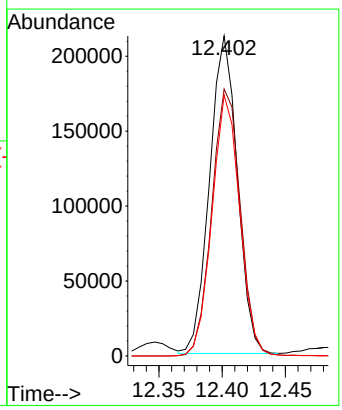


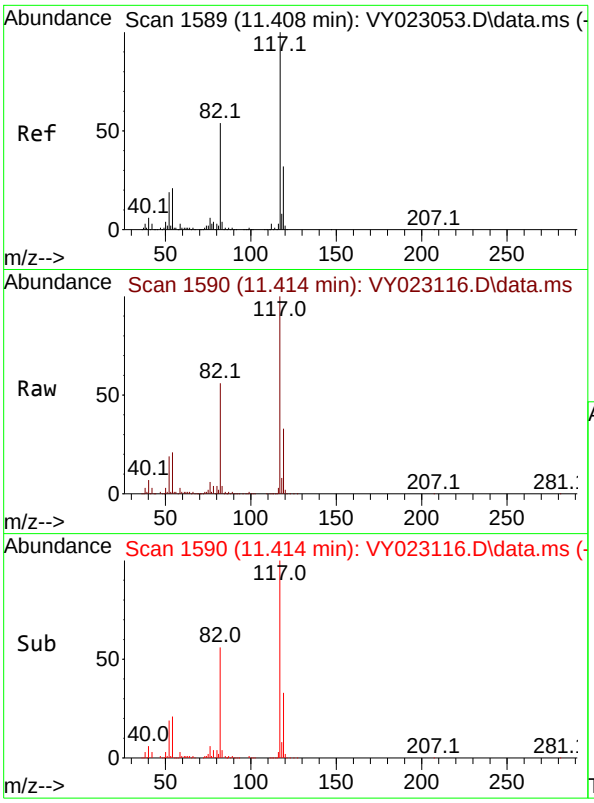


#62
4-Bromofluorobenzene
Concen: 54.058 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion: 95 Resp: 322697

Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	171.6
176	82.3	0.0	167.6



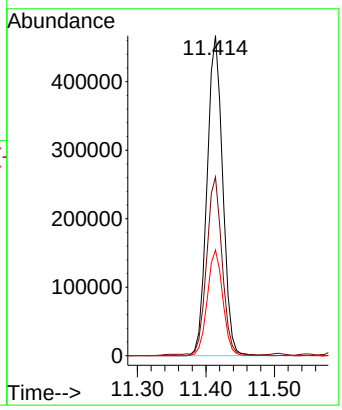


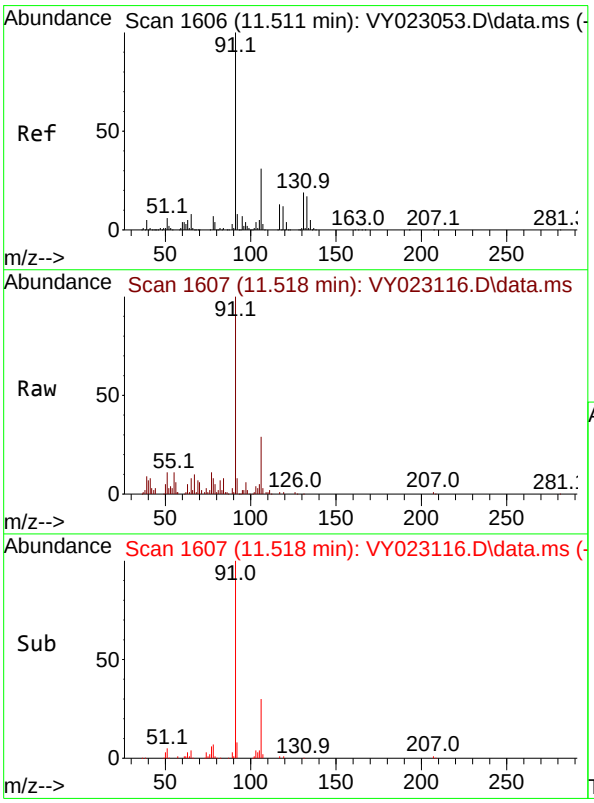
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Tgt Ion:117 Resp: 740057

Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.4	65.0
119	33.0	25.6	38.4

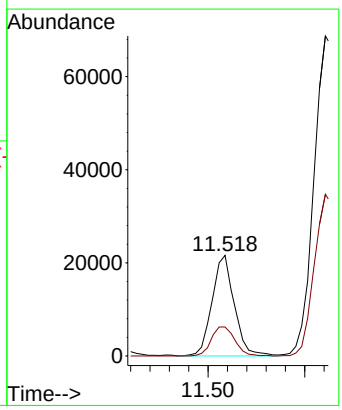


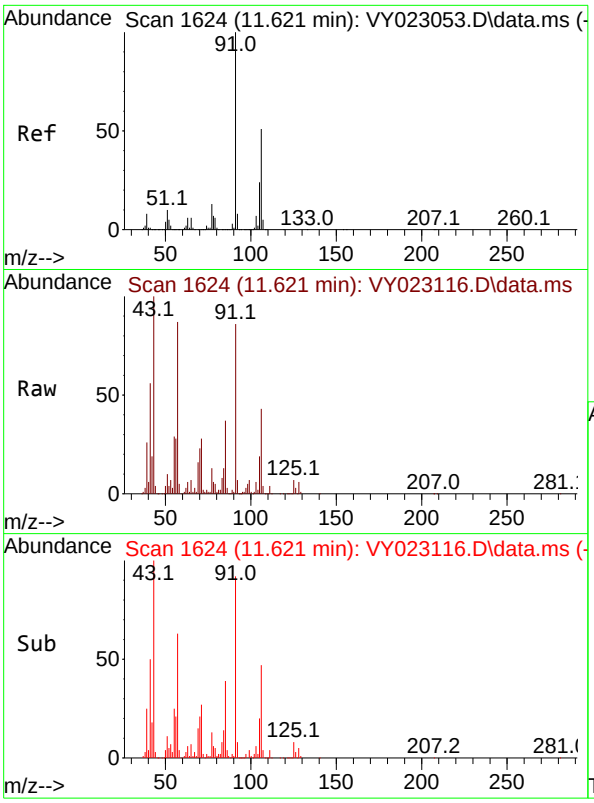


#67
Ethyl Benzene
Concen: 1.257 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion: 91 Resp: 34537

Ion	Ratio	Lower	Upper
91	100		
106	28.8	25.0	37.4



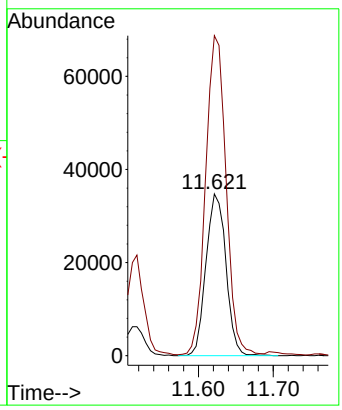


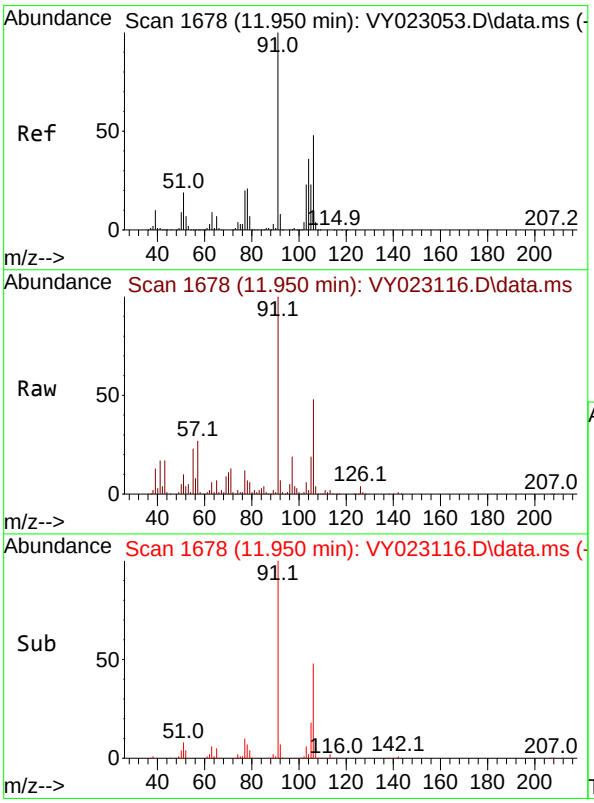
#68
m/p-Xylenes
Concen: 6.022 ug/l
RT: 11.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Tgt Ion:106 Resp: 64606

Ion	Ratio	Lower	Upper
106	100		
91	201.0	158.6	238.0

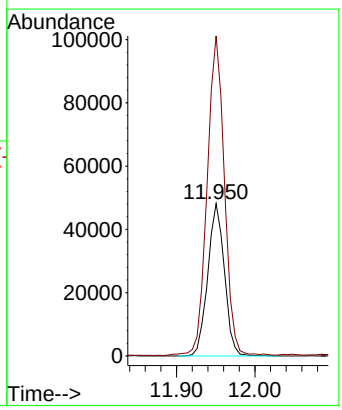


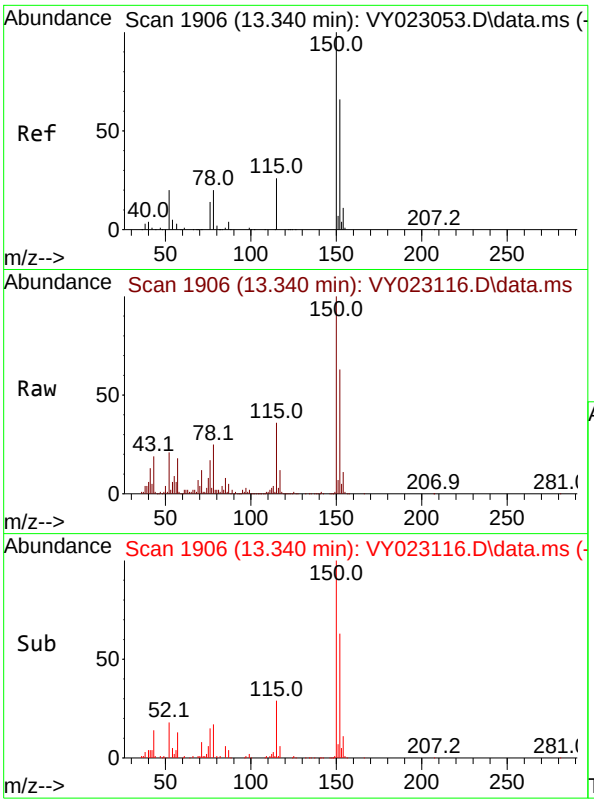


#69
o-Xylene
Concen: 7.064 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion:106 Resp: 70985

Ion	Ratio	Lower	Upper
106	100		
91	218.0	103.2	309.4



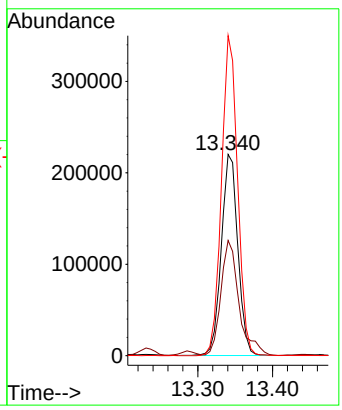


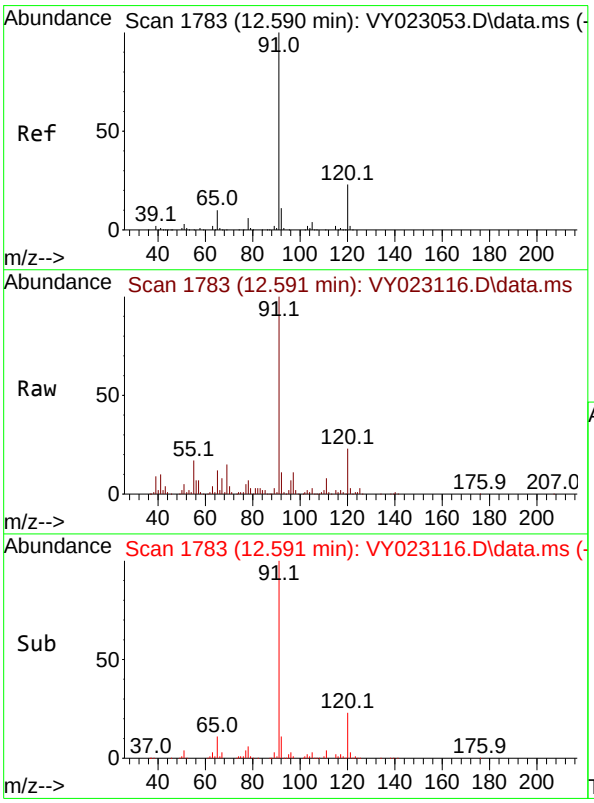
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Tgt Ion:152 Resp: 336966

Ion	Ratio	Lower	Upper
152	100		
115	62.7	28.2	84.6
150	155.6	0.0	348.0

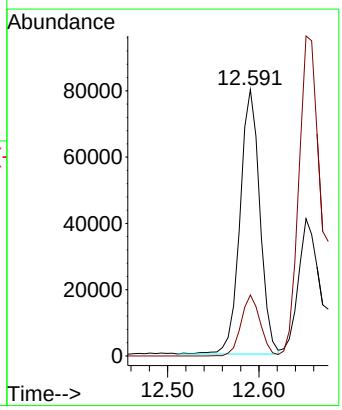


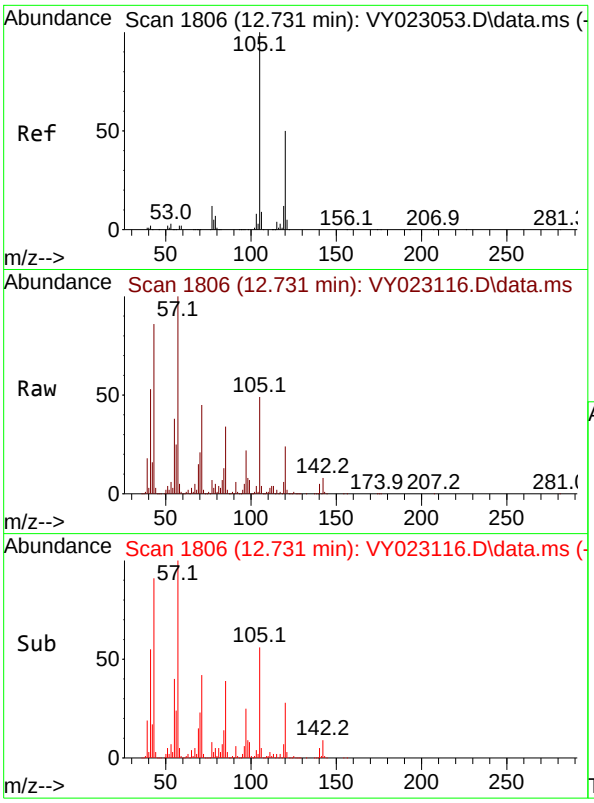


#78
n-propylbenzene
Concen: 4.252 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion: 91 Resp: 120397

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.5	34.5





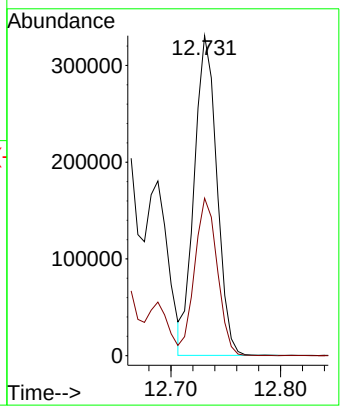
#80
1,3,5-Trimethylbenzene
Concen: 24.602 ug/l
RT: 12.731 min Scan# 1

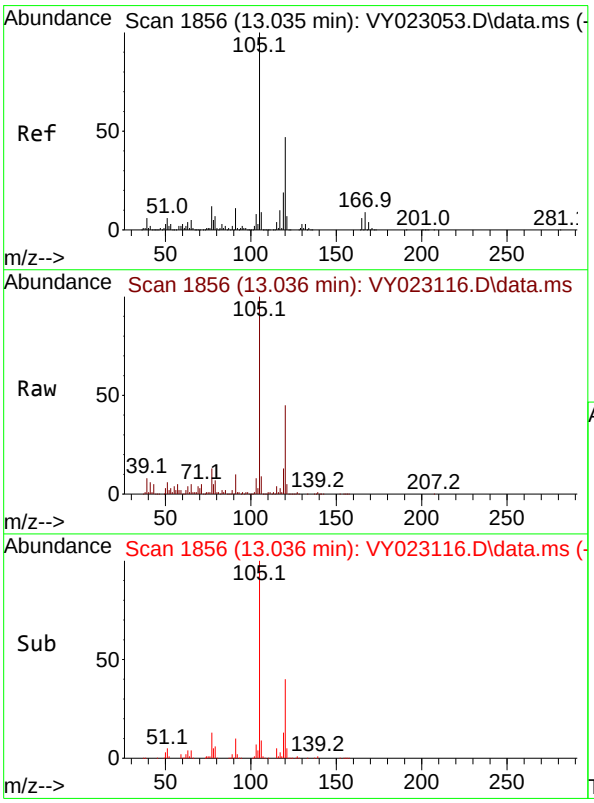
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion:105 Resp: 472873

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.8	74.4

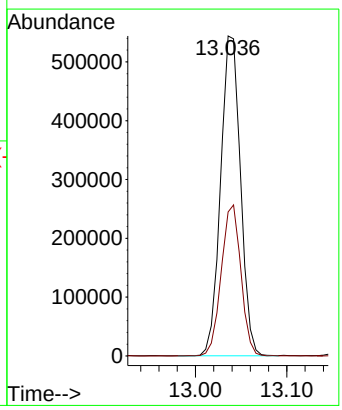


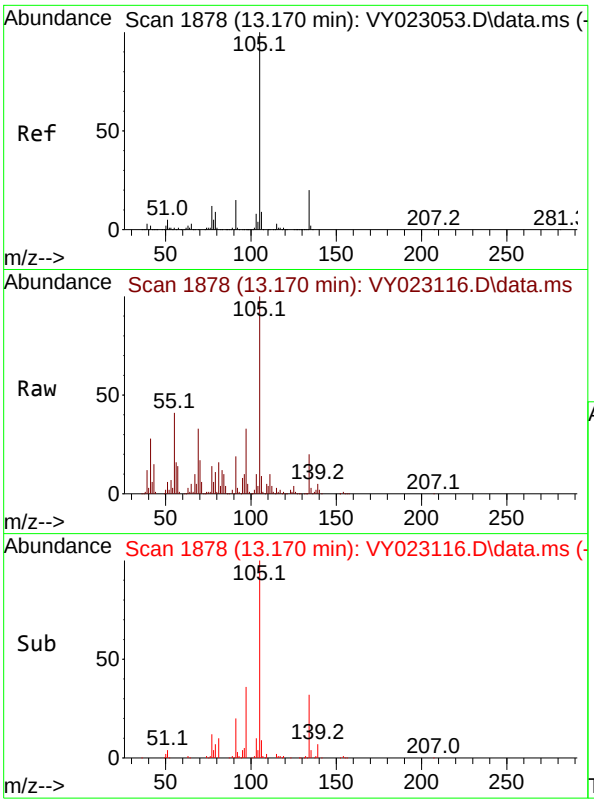


#84
1,2,4-Trimethylbenzene
Concen: 43.081 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion:105 Resp: 824297

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0



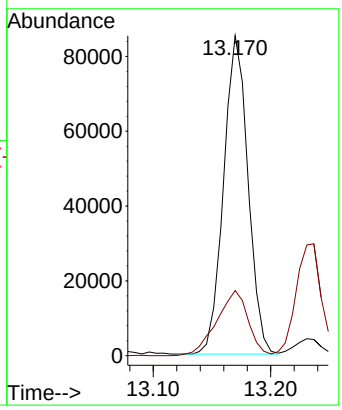


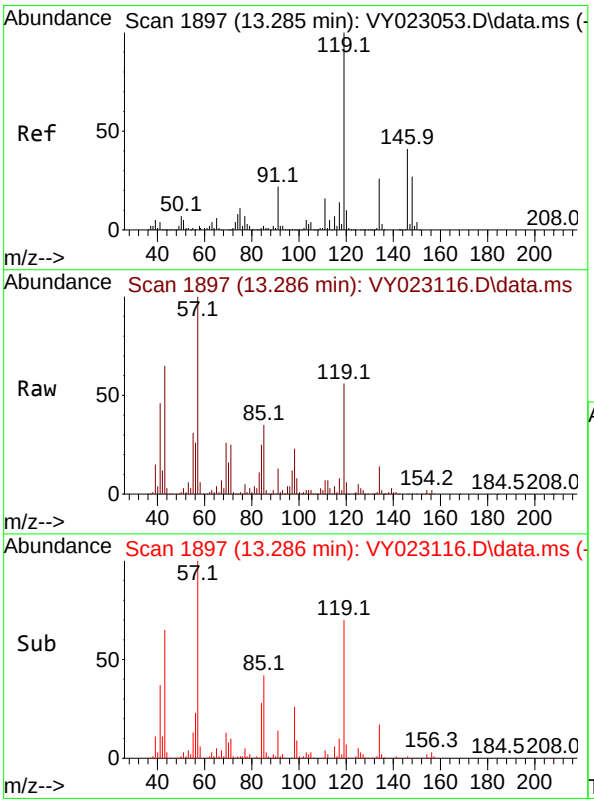
#85
sec-Butylbenzene
Concen: 4.812 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Tgt Ion:105 Resp: 122719

Ion	Ratio	Lower	Upper
105	100		
134	26.4	10.2	30.4

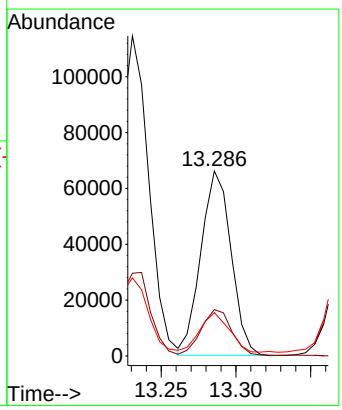


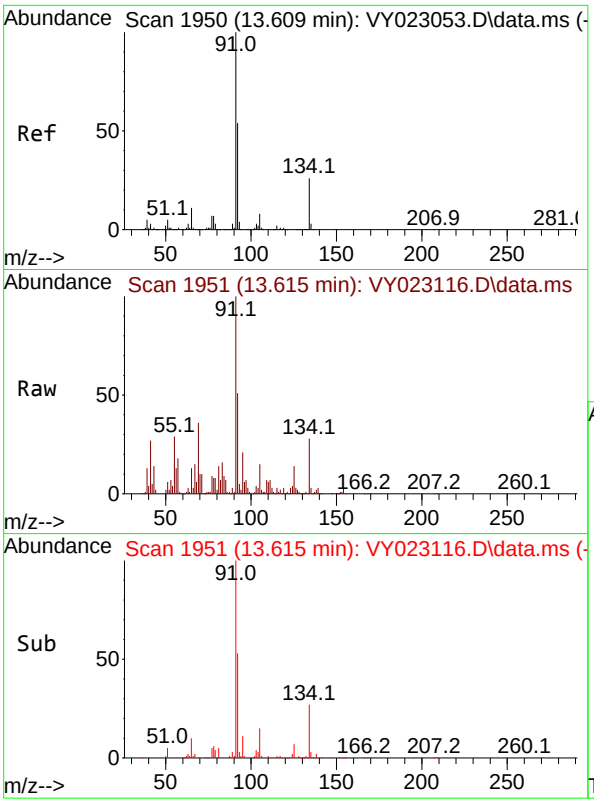


#86
p-Isopropyltoluene
Concen: 4.384 ug/l
RT: 13.286 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Tgt Ion:119 Resp: 92798

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.2	39.6
91	20.5	11.3	33.8





#89
n-Butylbenzene
Concen: 3.567 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023116.D
Acq: 15 Aug 2025 11:07

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-08142025

Tgt Ion: 91 Resp: 69347

Ion	Ratio	Lower	Upper
91	100		
92	68.7	26.9	80.7
134	0.0	13.2	39.5#