Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
Data File : VX036700.D
Acq On : 28 Jul 2023 12:28
Operator : JC/MD
Sample : 03790-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Quant Time: Jul 28 16:17:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration

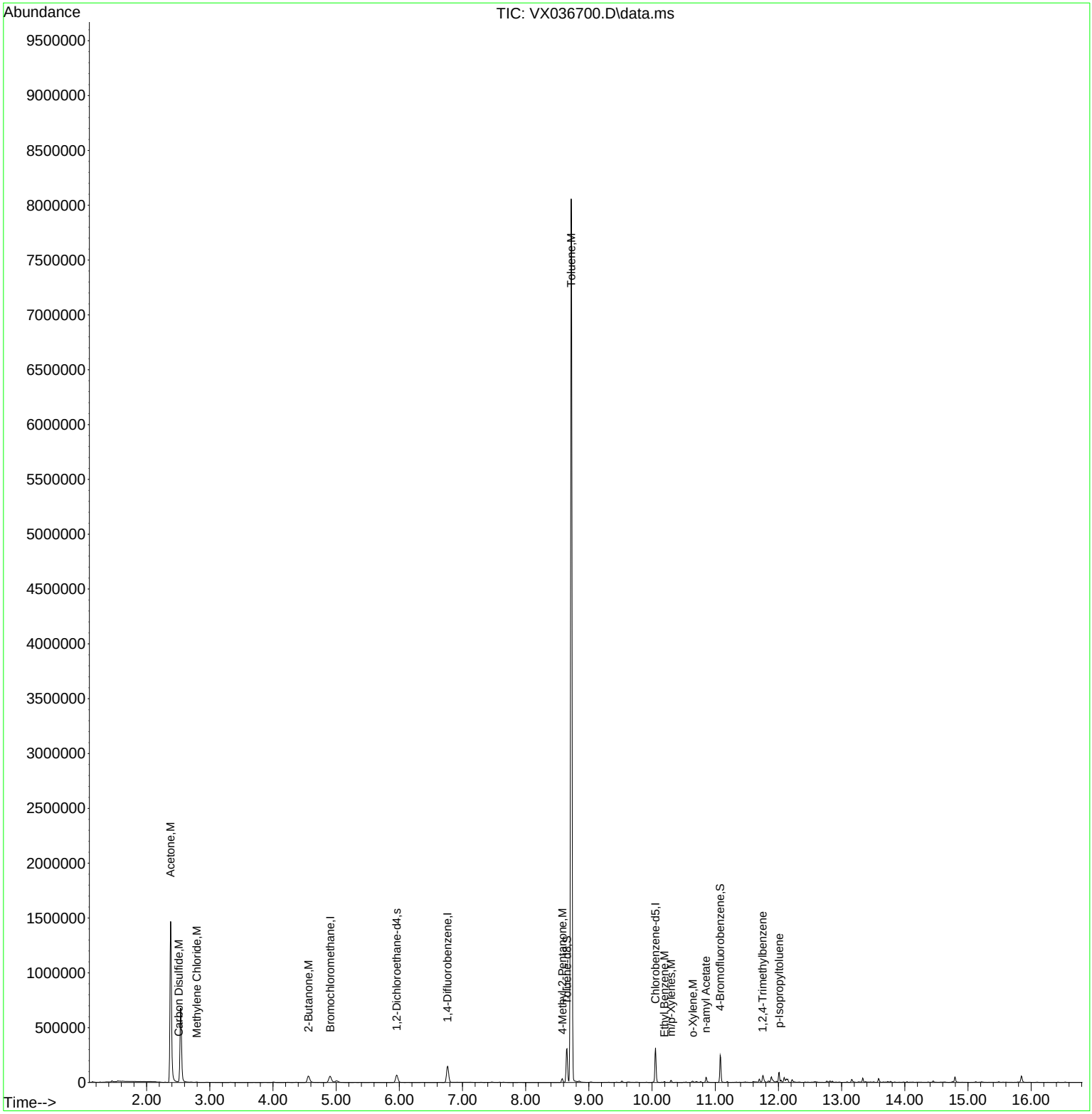
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	4.910	128	25967	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	6.763	114	154729	30.000	ug/l		0.00
57) Chlorobenzene-d5	10.055	117	138636	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	5.958	65	64144	29.763	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.200%				
60) 4-Bromofluorobenzene	11.079	95	66847	29.725	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.100%				
63) Toluene-d8	8.653	98	186490	29.233	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.433%				
Target Compounds							Qvalue
15) Acetone	2.380	58	511397	1804.166	ug/l		91
16) Carbon Disulfide	2.508	76	3217	0.873	ug/l		98
18) Methylene Chloride	2.794	84	1555	0.850	ug/l	#	96
30) 2-Butanone	4.562	43	103352	70.349	ug/l		99
47) n-amyl Acetate	10.854	43	6463	1.671	ug/l	#	1
58) 4-Methyl-2-Pentanone	8.580	43	19897	6.940	ug/l		97
62) Toluene	8.720	91	5097802	655.365	ug/l		92
66) Ethyl Benzene	10.195	91	4949	0.585	ug/l		90
67) m/p-Xylenes	10.299	106	4606	1.398	ug/l		98
68) o-Xylene	10.646	106	1835	0.561	ug/l		98
80) 1,2,4-Trimethylbenzene	11.750	105	15109	2.178	ug/l		43
82) p-Isopropyltoluene	12.012	119	40202	5.778	ug/l		98

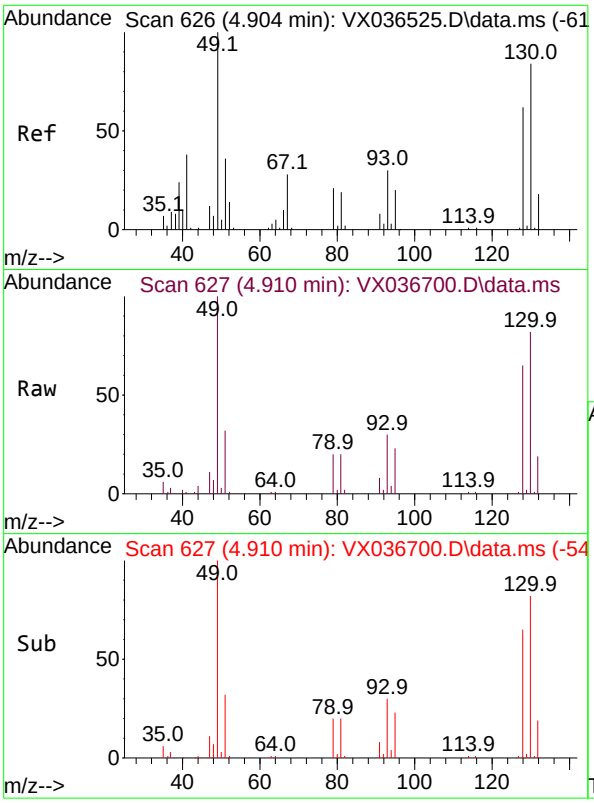
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
Data File : VX036700.D
Acq On : 28 Jul 2023 12:28
Operator : JC/MD
Sample : 03790-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Quant Time: Jul 28 16:17:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration



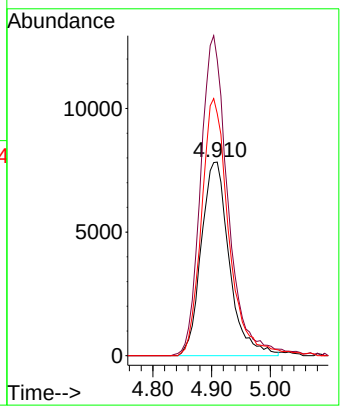


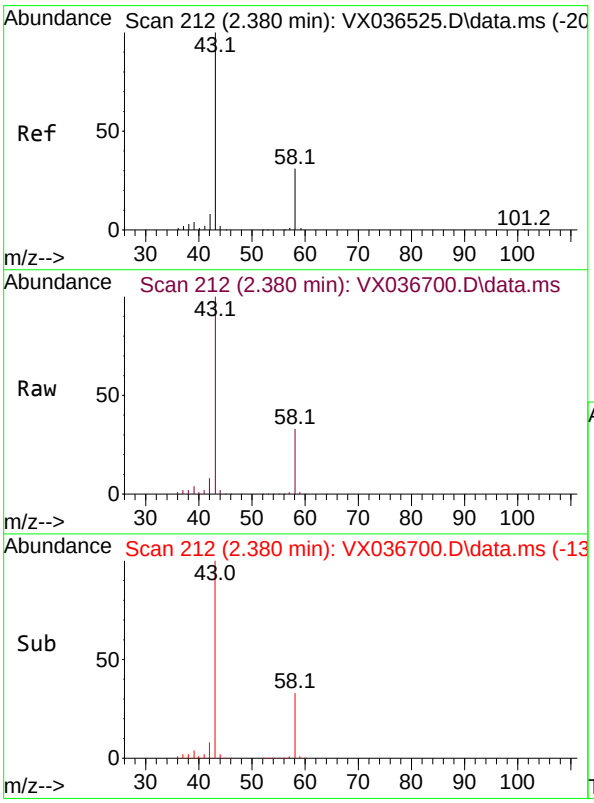
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion:128 Resp: 25967

Ion	Ratio	Lower	Upper
128	100		
49	156.8	0.0	406.3
130	128.9	0.0	328.0

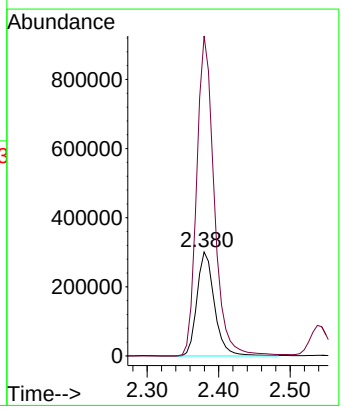


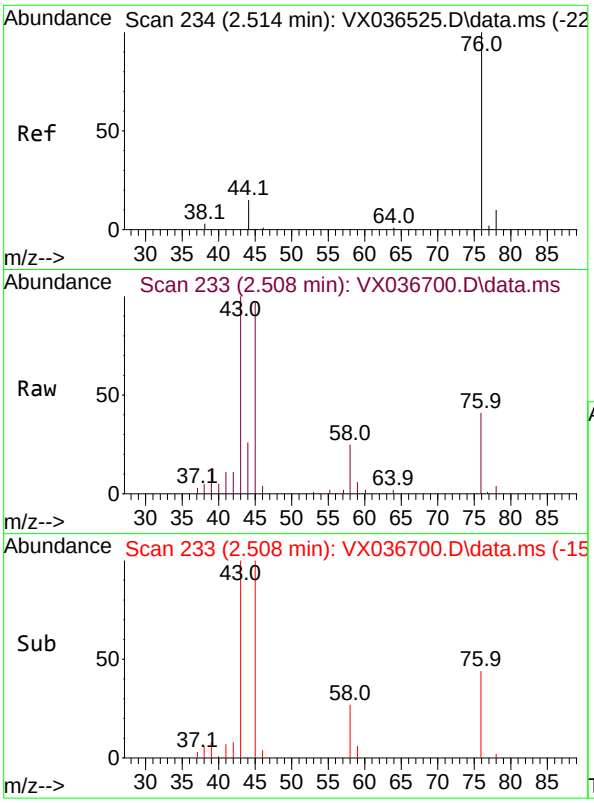


#15
Acetone
Concen: 1804.166 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 58 Resp: 511397

Ion	Ratio	Lower	Upper
58	100		
43	307.6	261.0	391.4



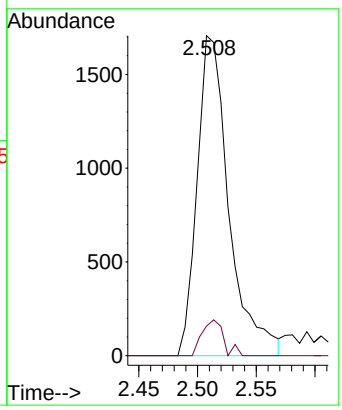


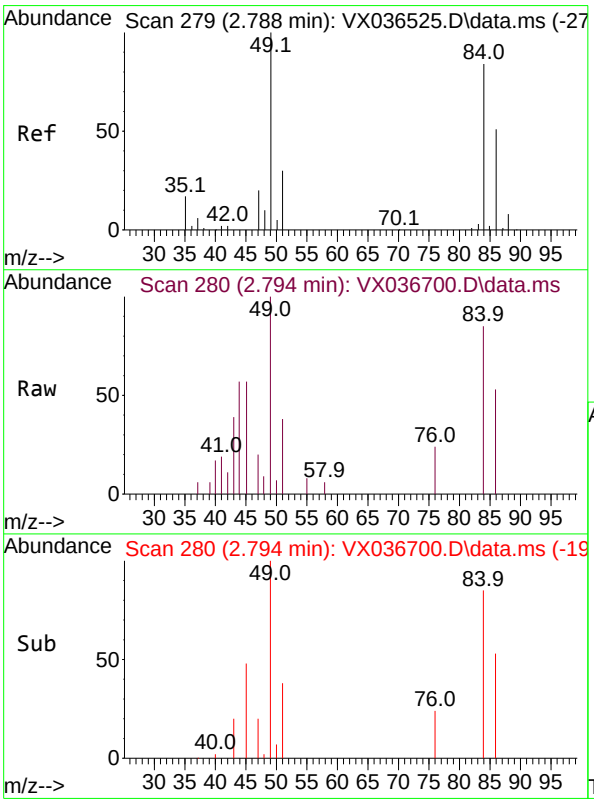
#16
Carbon Disulfide
Concen: 0.873 ug/l
RT: 2.508 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion: 76 Resp: 3217

Ion	Ratio	Lower	Upper
76	100		
78	9.3	8.0	12.0

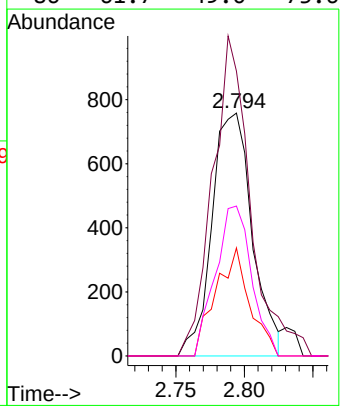


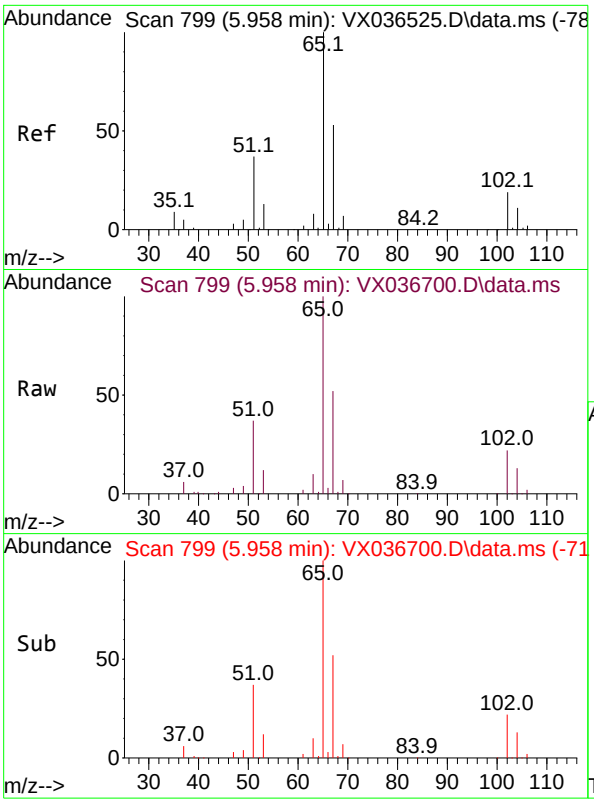


#18
Methylene Chloride
Concen: 0.850 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 84 Resp: 1555

Ion	Ratio	Lower	Upper
84	100		
49	117.3	95.4	143.0
51	44.5	28.3	42.5#
86	61.7	49.0	73.6



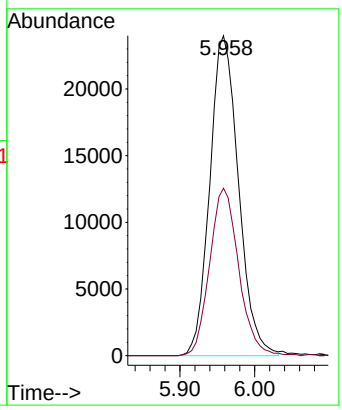


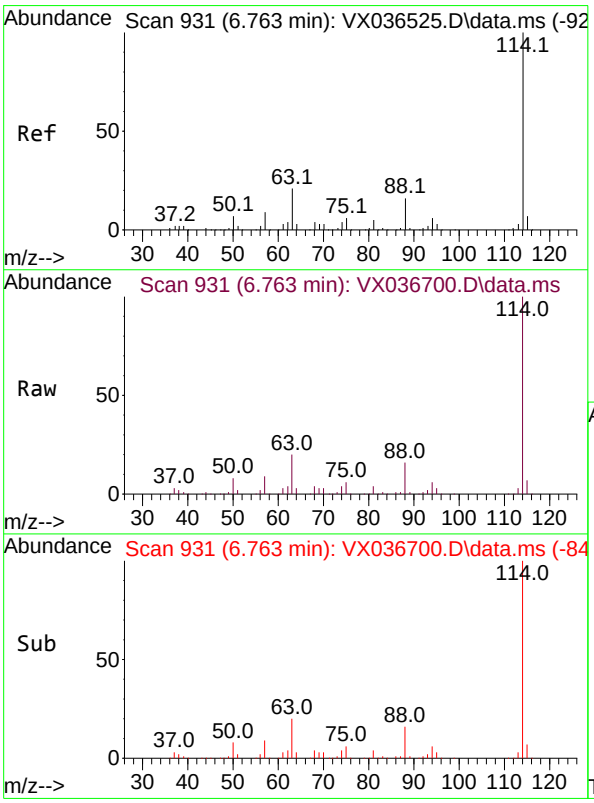
#27
1,2-Dichloroethane-d4
Concen: 29.763 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion: 65 Resp: 64144

Ion	Ratio	Lower	Upper
65	100		
67	52.8	42.1	63.1

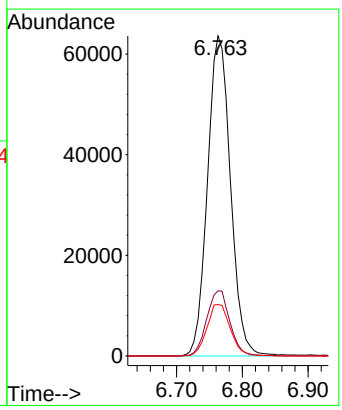


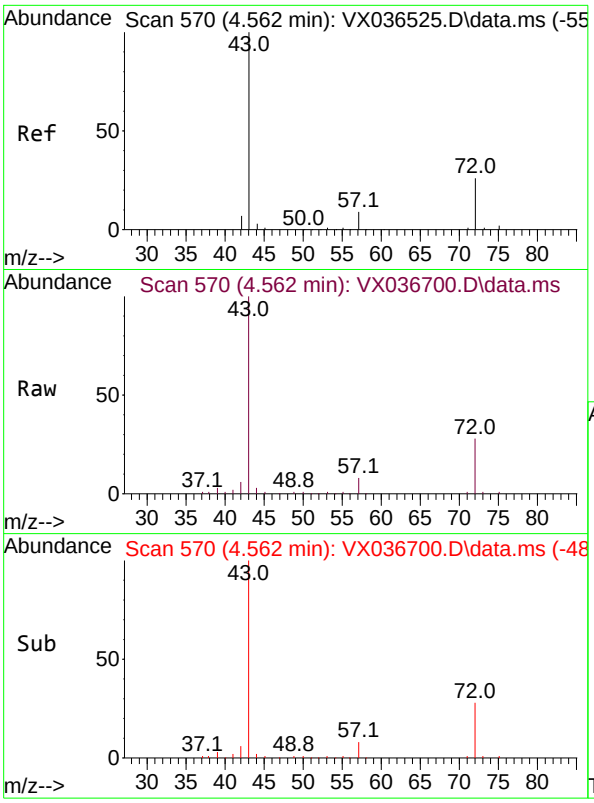


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion:114 Resp: 154729

Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.6	24.8
88	16.3	12.9	19.3



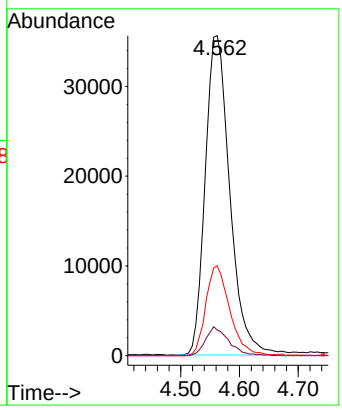


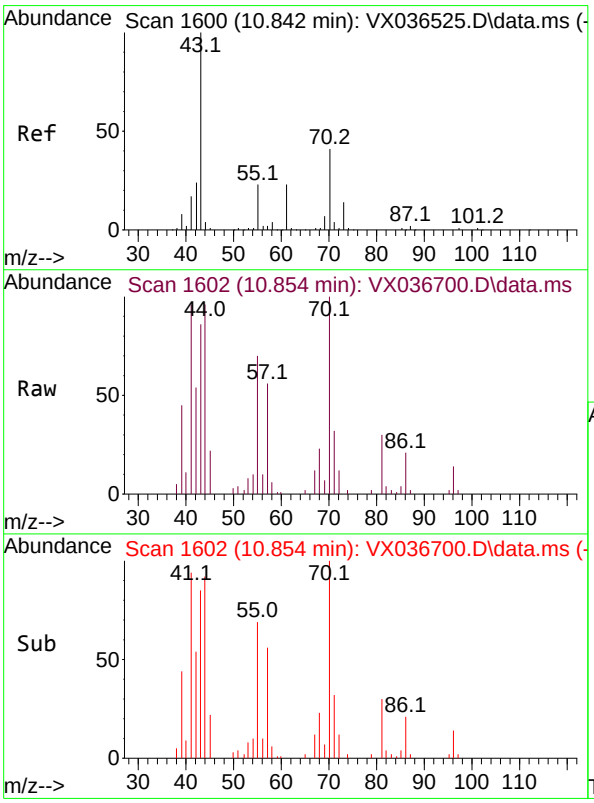
#30
2-Butanone
Concen: 70.349 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion: 43 Resp: 103352

Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.4	9.6
72	27.6	21.6	32.4

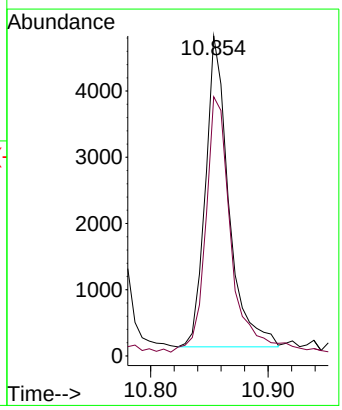


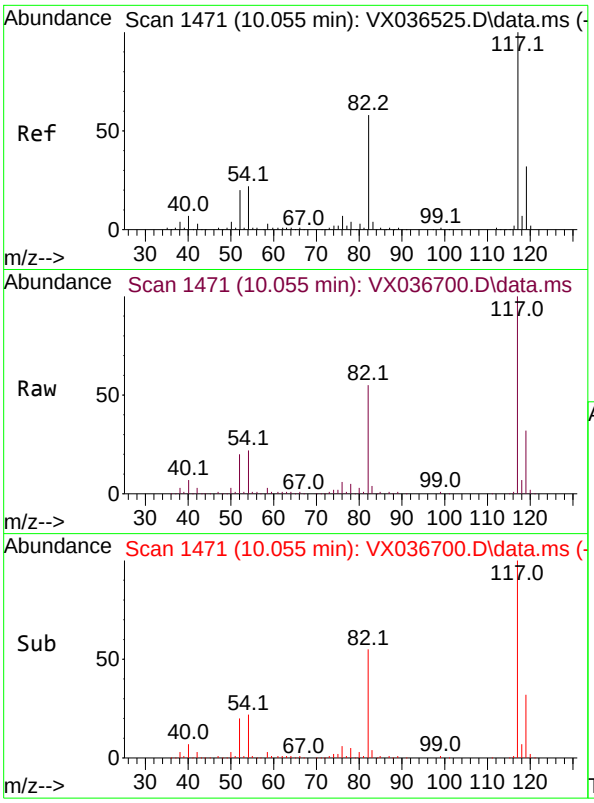


#47
n-amyl Acetate
Concen: 1.671 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 43 Resp: 6463

Ion	Ratio	Lower	Upper
43	100		
55	87.9	18.6	28.0#



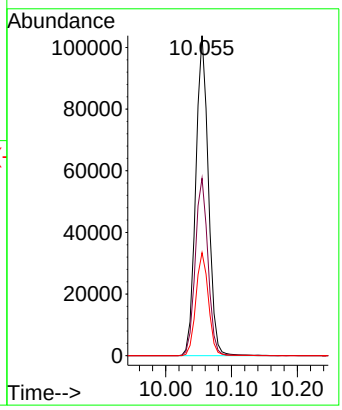


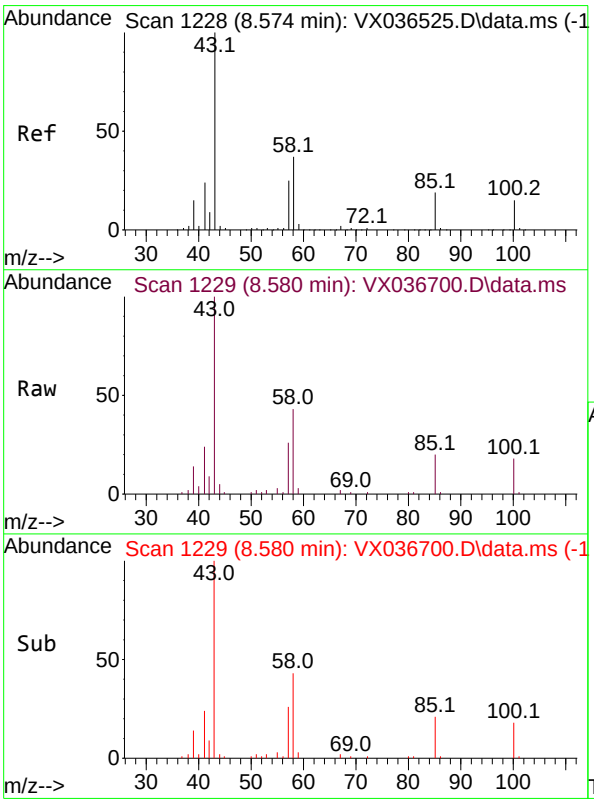
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion:117 Resp: 138636

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.7	67.1
119	31.9	25.6	38.4

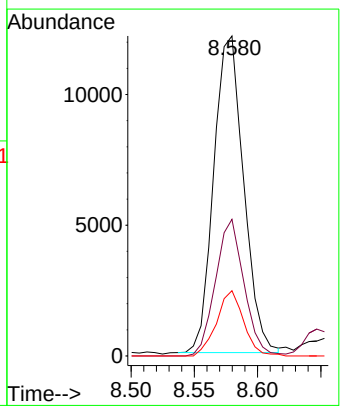


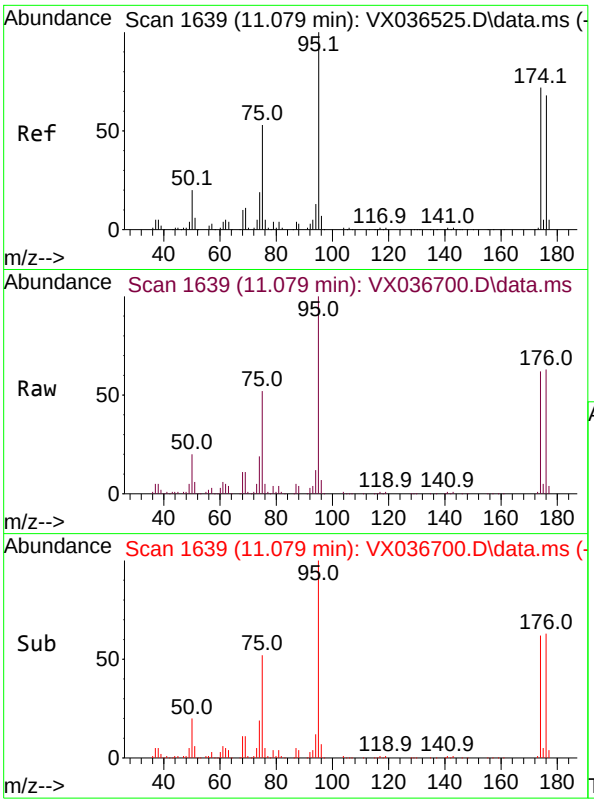


#58
4-Methyl-2-Pentanone
Concen: 6.940 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 43 Resp: 19897

Ion	Ratio	Lower	Upper
43	100		
58	41.2	30.9	46.3
85	18.6	14.4	21.6



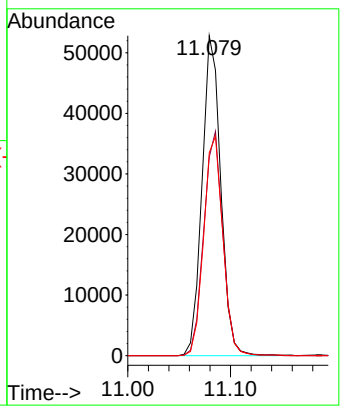


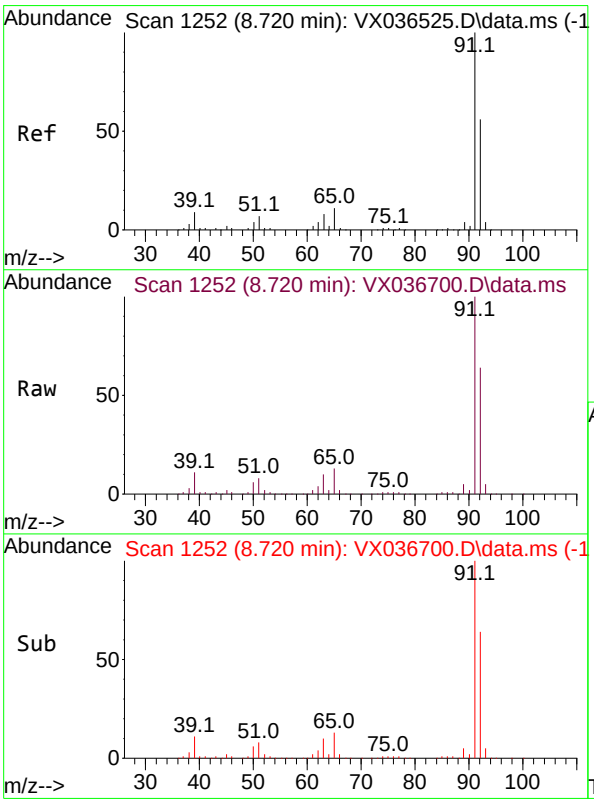
#60
4-Bromofluorobenzene
Concen: 29.725 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion: 95 Resp: 66847

Ion	Ratio	Lower	Upper
95	100		
174	71.4	60.5	90.7
176	70.3	58.2	87.4

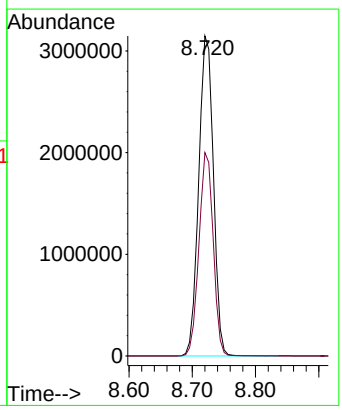


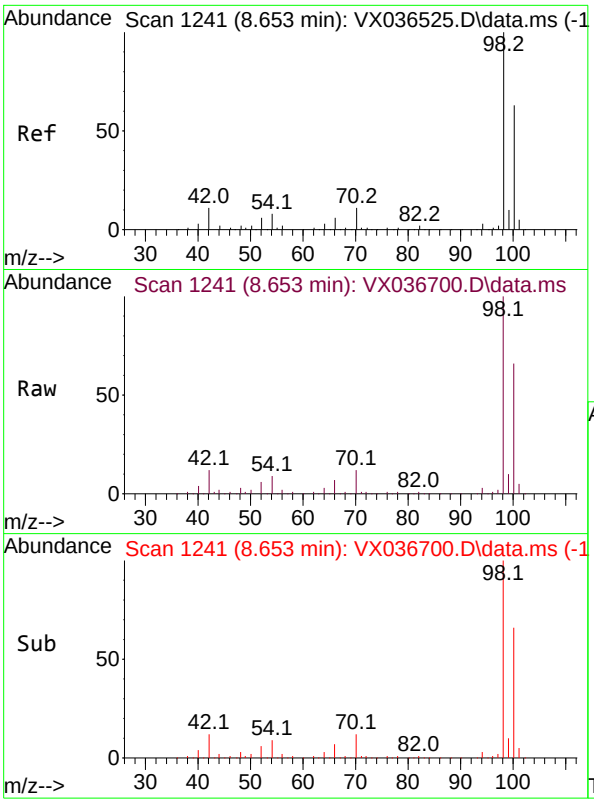


#62
Toluene
Concen: 655.365 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 91 Resp: 5097802

Ion	Ratio	Lower	Upper
91	100		
92	61.8	44.9	67.3



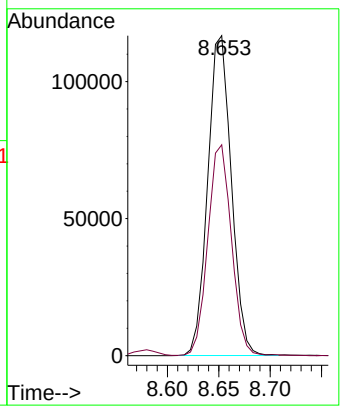


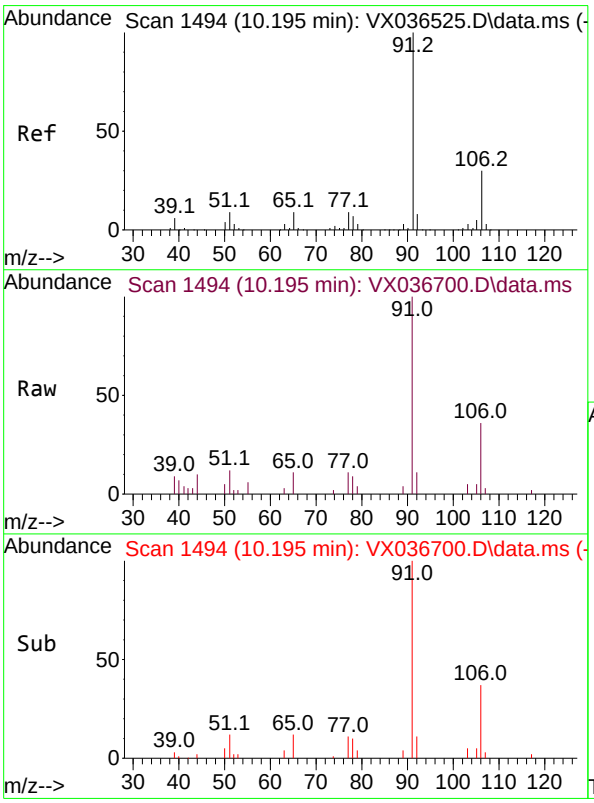
#63
Toluene-d8
Concen: 29.233 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion: 98 Resp: 186490

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.6	77.4

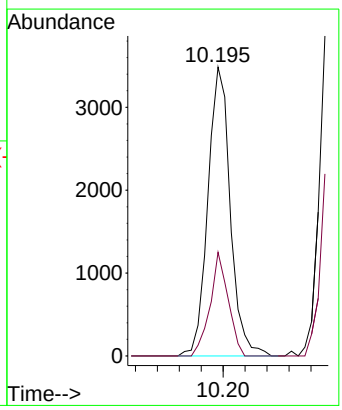


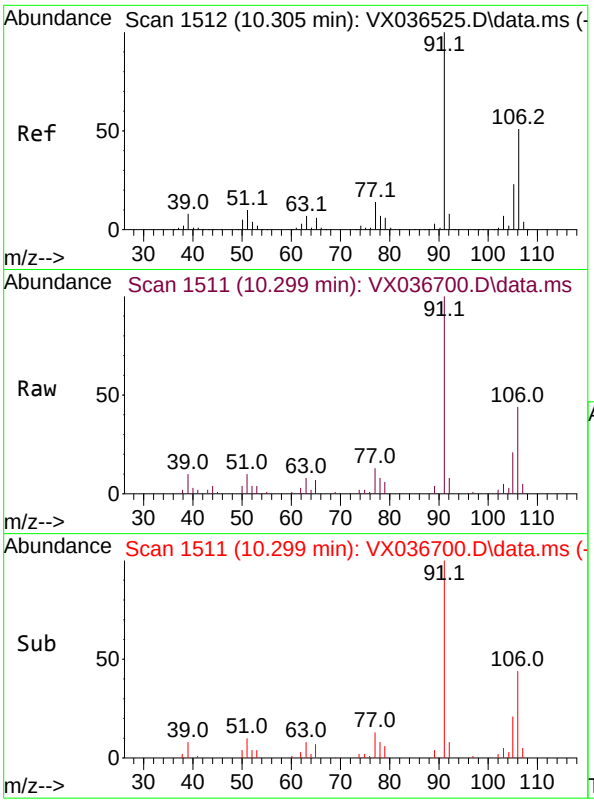


#66
Ethyl Benzene
Concen: 0.585 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 91 Resp: 4949

Ion	Ratio	Lower	Upper
91	100		
106	35.9	24.2	36.4



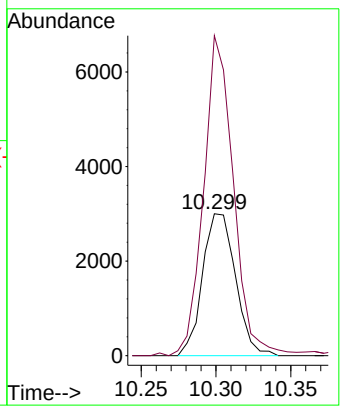


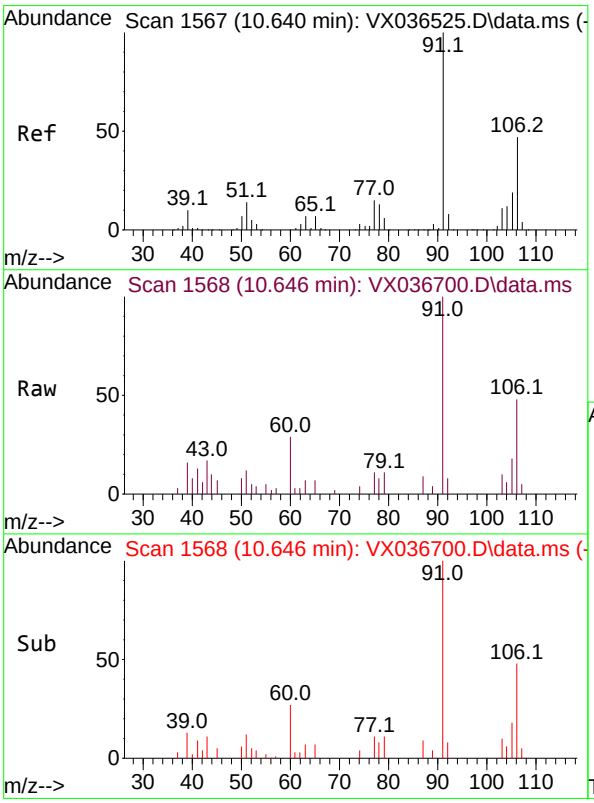
#67
m/p-Xylenes
Concen: 1.398 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion:106 Resp: 4606

Ion	Ratio	Lower	Upper
106	100		
91	203.7	160.5	240.7

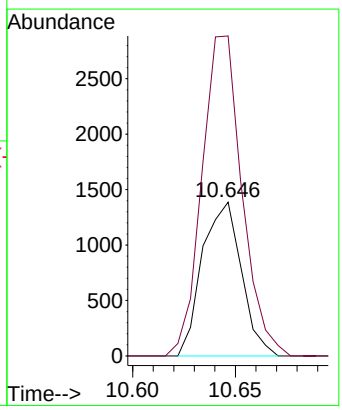


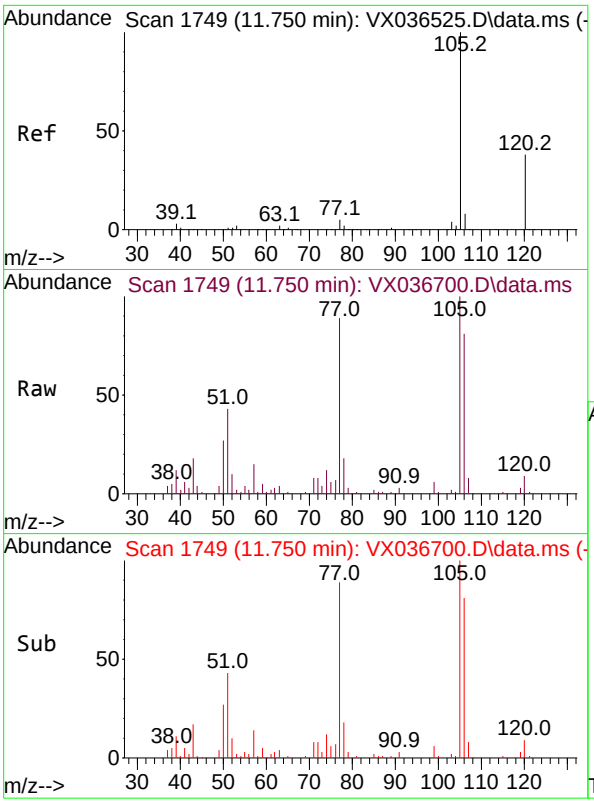


#68
o-Xylene
Concen: 0.561 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion:106 Resp: 1835

Ion	Ratio	Lower	Upper
106	100		
91	213.7	105.4	316.1



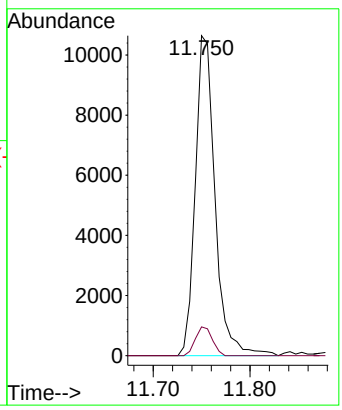


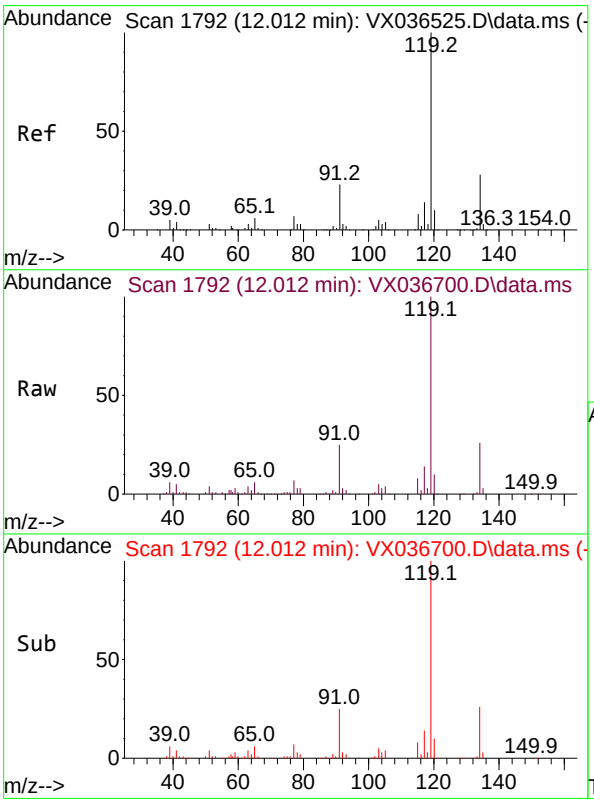
#80
1,2,4-Trimethylbenzene
Concen: 2.178 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion:105 Resp: 15109

Ion	Ratio	Lower	Upper
105	100		
120	7.7	0.0	90.2





#82
p-Isopropyltoluene
Concen: 5.778 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion:119 Resp: 40202

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	53.2
91	25.2	0.0	49.4