Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120623\
Data File : VX039090.D
Acq On : 06 Dec 2023 15:41
Operator : JC/MD
Sample : 05656-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 07 04:01:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
Response via : Initial Calibration

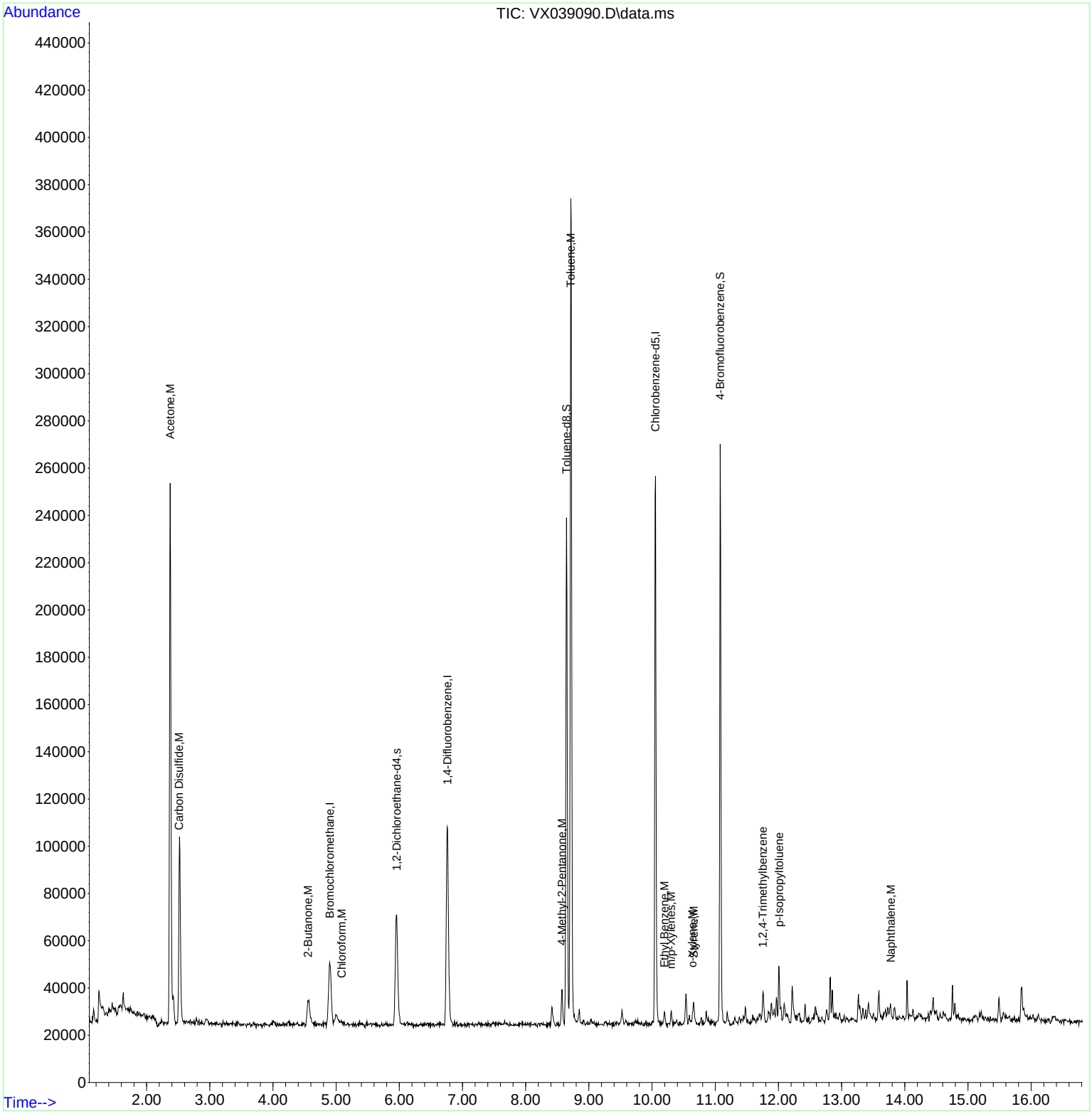
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.897	128	10584	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	86779	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	104957	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	44615	30.812	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.700%			
60) 4-Bromofluorobenzene	11.079	95	68933	30.070	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.233%			
63) Toluene-d8	8.647	98	127032	30.613	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.033%			
Target Compounds						Qvalue
15) Acetone	2.373	58	74936	187.721	ug/l	96
16) Carbon Disulfide	2.514	76	3173	0.728	ug/l #	90
25) Chloroform	5.086	83	1352	0.445	ug/l #	63
30) 2-Butanone	4.556	43	19903	10.867	ug/l #	74
58) 4-Methyl-2-Pentanone	8.574	43	9026	2.836	ug/l	98
62) Toluene	8.714	91	232053	31.141	ug/l	100
66) Ethyl Benzene	10.195	91	3133	0.369	ug/l	97
67) m/p-Xylenes	10.299	106	1318	0.420	ug/l	92
68) o-Xylene	10.640	106	791	0.260	ug/l	98
69) Styrene	10.659	104	3455	0.769	ug/l	91
80) 1,2,4-Trimethylbenzene	11.756	105	3615	0.516	ug/l	92
82) p-Isopropyltoluene	12.012	119	10271	1.440	ug/l	99
91) Naphthalene	13.780	128	3018	0.363	ug/l #	94

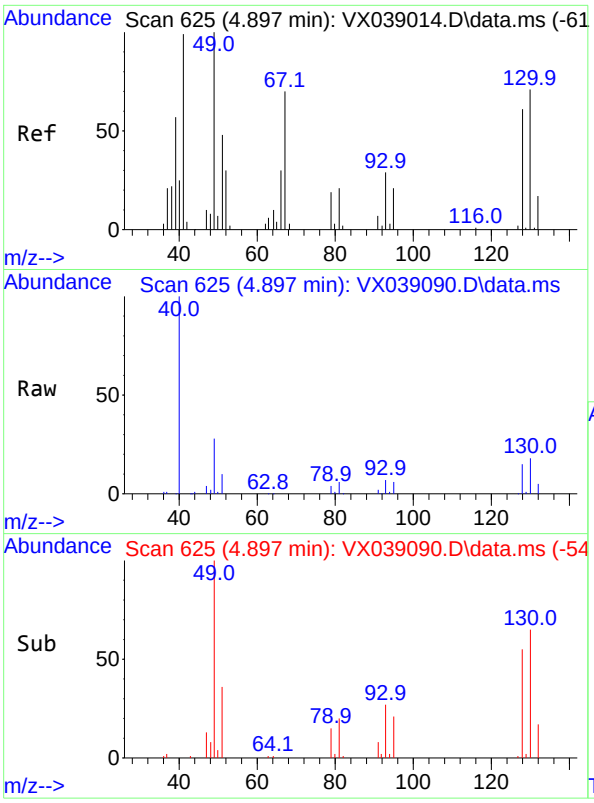
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120623\
Data File : VX039090.D
Acq On : 06 Dec 2023 15:41
Operator : JC/MD
Sample : 05656-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 07 04:01:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
Response via : Initial Calibration



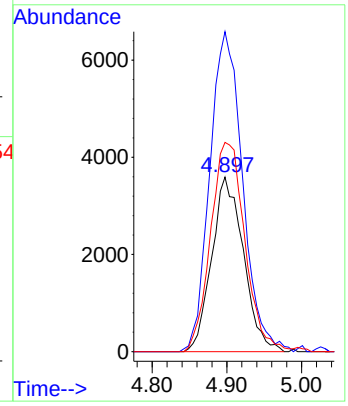


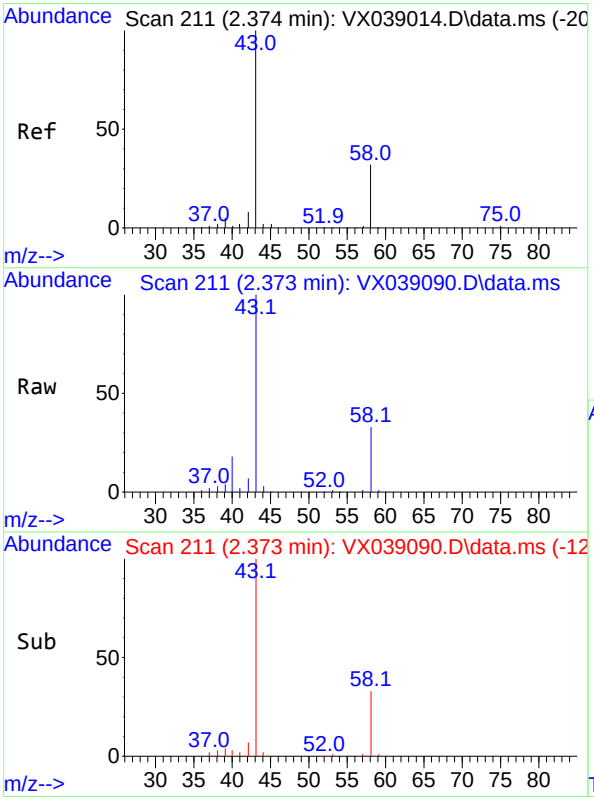
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion:128 Resp: 10584

Ion	Ratio	Lower	Upper
128	100		
49	189.5	0.0	444.0
130	130.0	0.0	297.8

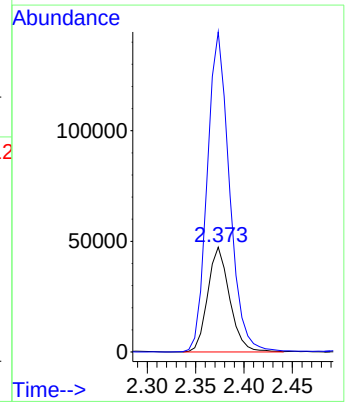


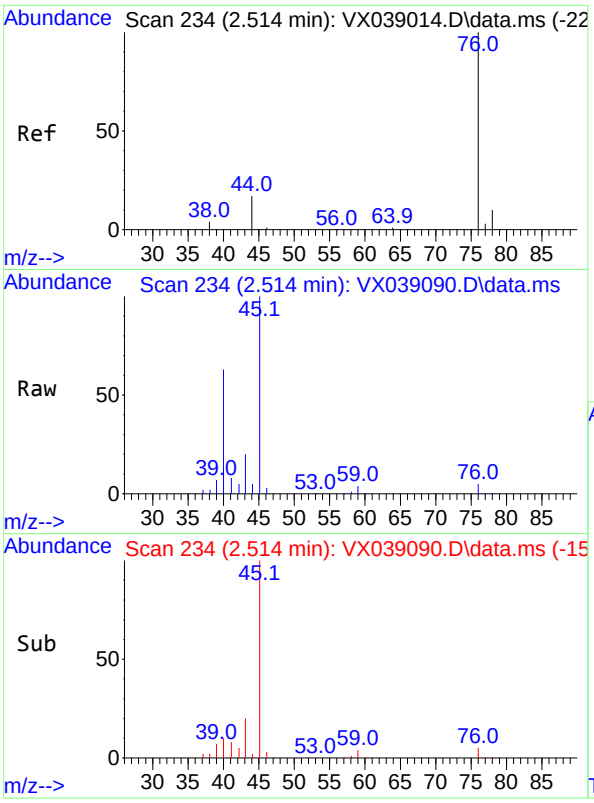


#15
Acetone
Concen: 187.721 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion: 58 Resp: 74936

Ion	Ratio	Lower	Upper
58	100		
43	305.0	249.9	374.9



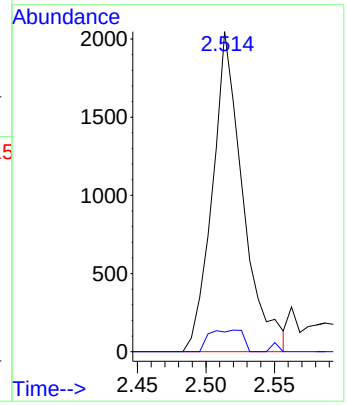


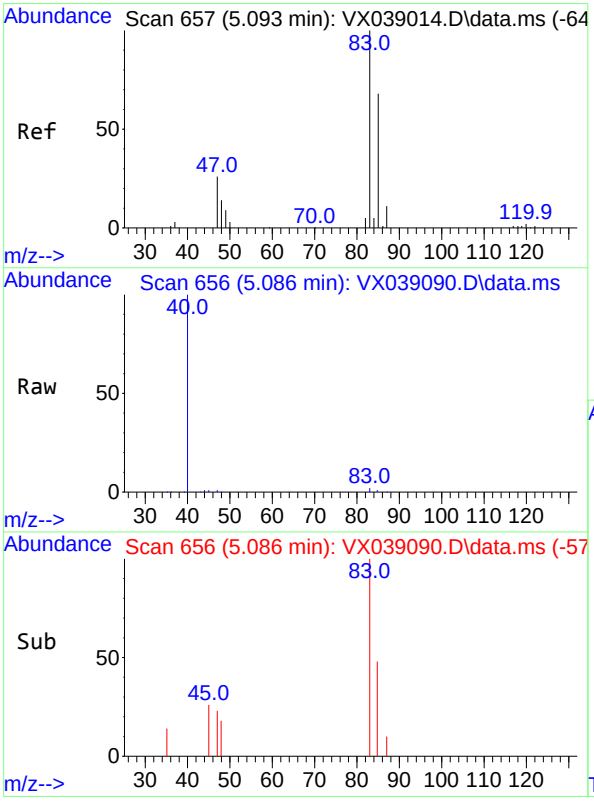
#16
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion: 76 Resp: 3173

Ion	Ratio	Lower	Upper
76	100		
78	6.2	8.0	12.0#

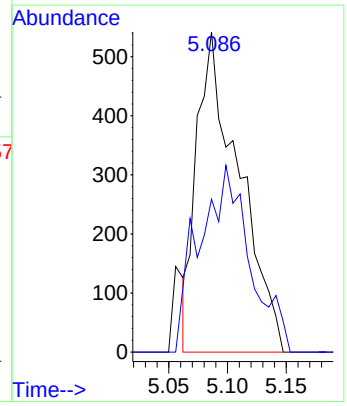


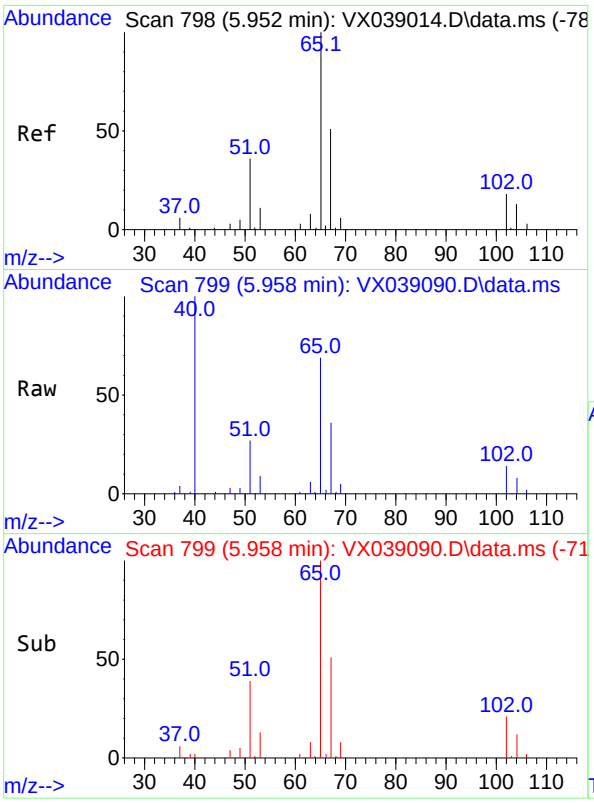


#25
Chloroform
Concen: 0.445 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion: 83 Resp: 1352

Ion	Ratio	Lower	Upper
83	100		
85	38.2	54.6	81.8#



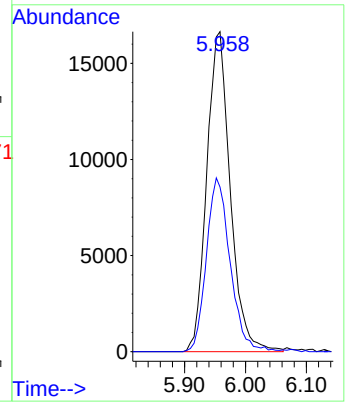


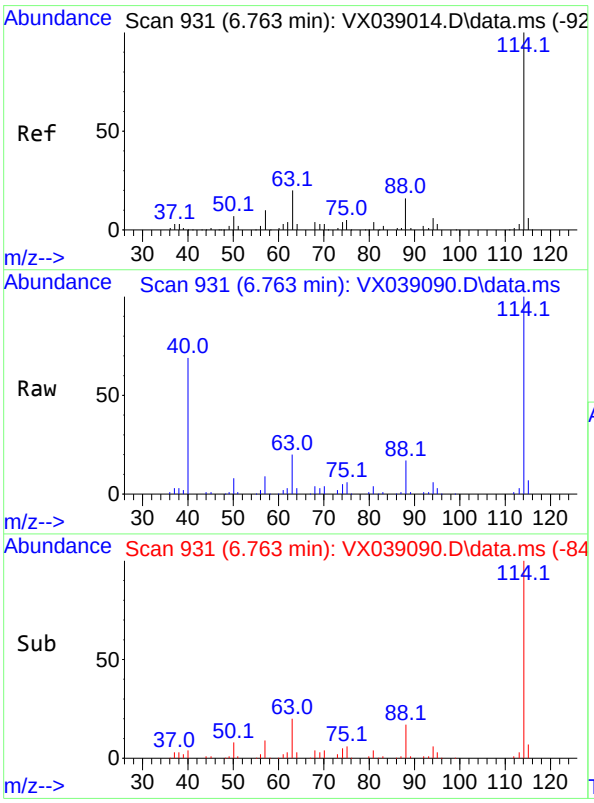
#27
1,2-Dichloroethane-d4
Concen: 30.812 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion: 65 Resp: 44615

Ion	Ratio	Lower	Upper
65	100		
67	54.4	42.5	63.7

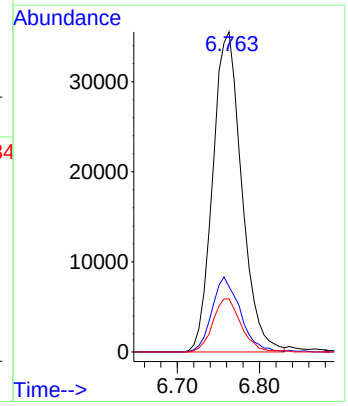


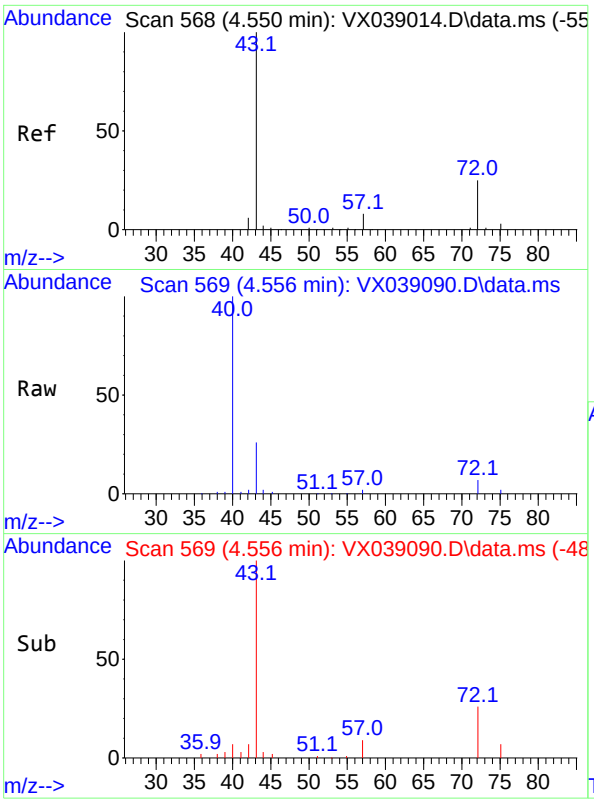


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion:114 Resp: 86779

Ion	Ratio	Lower	Upper
114	100		
63	22.8	17.0	25.4
88	16.1	12.7	19.1



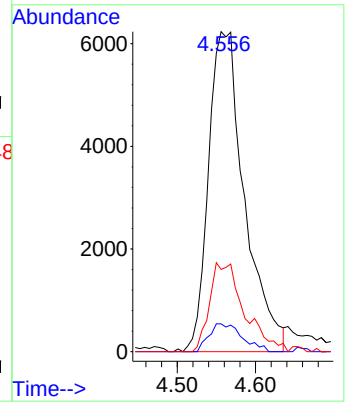


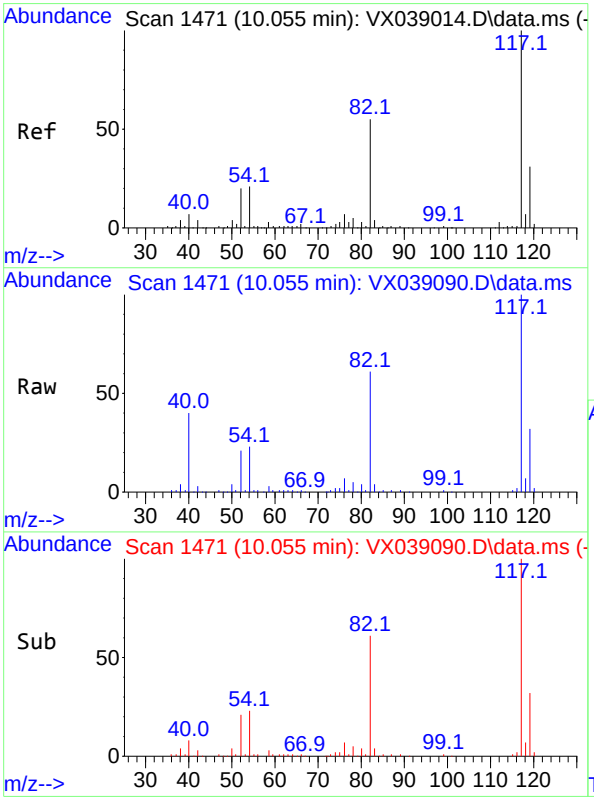
#30
2-Butanone
Concen: 10.867 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion: 43 Resp: 19903

Ion	Ratio	Lower	Upper
43	100		
57	4.3	6.6	10.0#
72	10.4	20.6	31.0#

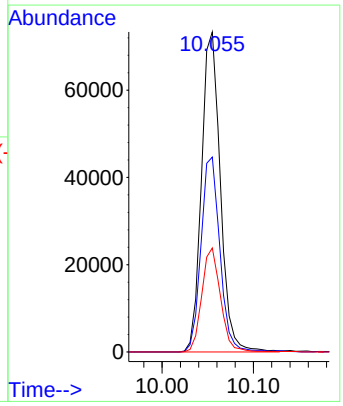


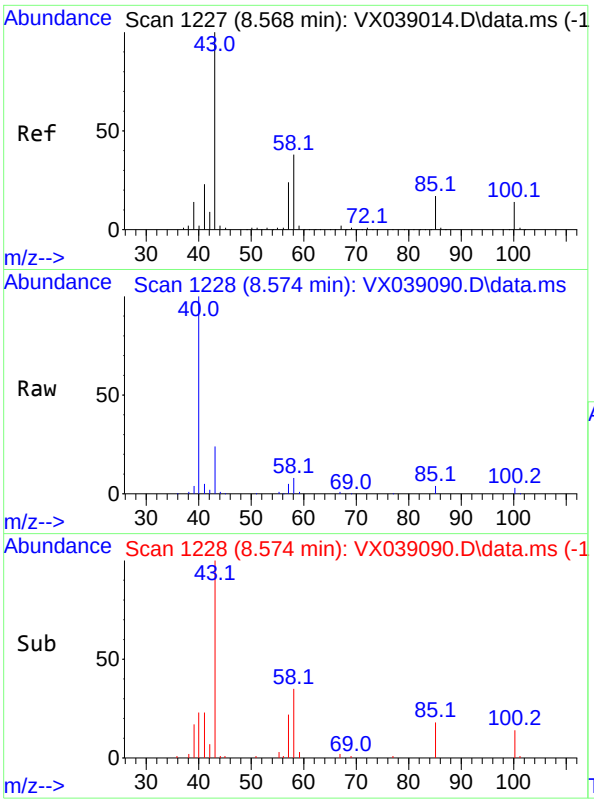


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion:117 Resp: 104957

Ion	Ratio	Lower	Upper
117	100		
82	60.9	47.0	70.6
119	32.1	25.2	37.8



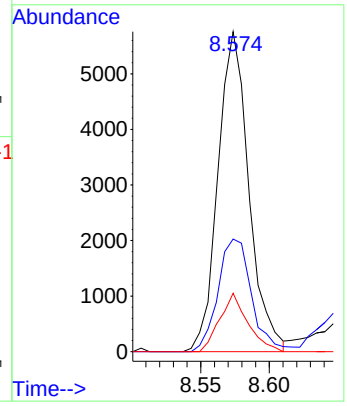


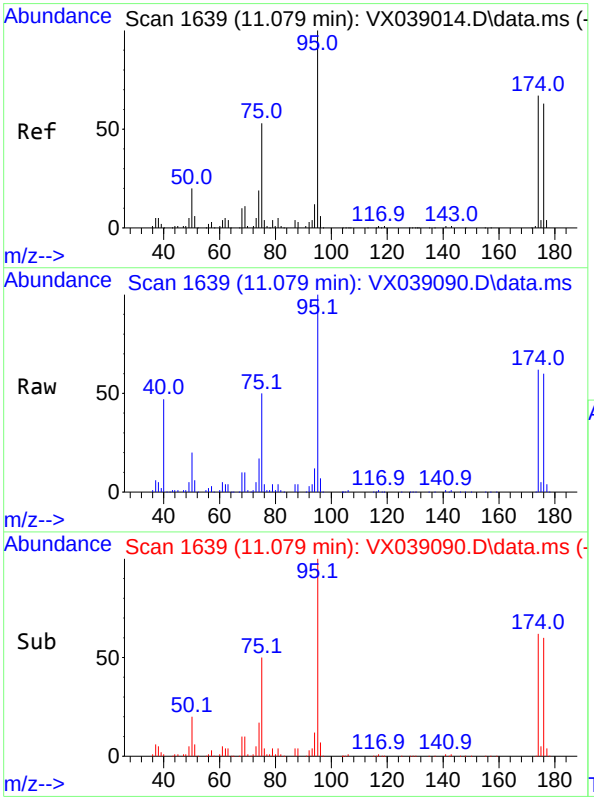
#58
4-Methyl-2-Pentanone
Concen: 2.836 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion: 43 Resp: 9026

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.1	45.1
85	16.6	13.9	20.9

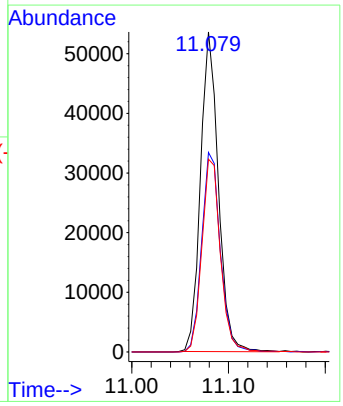


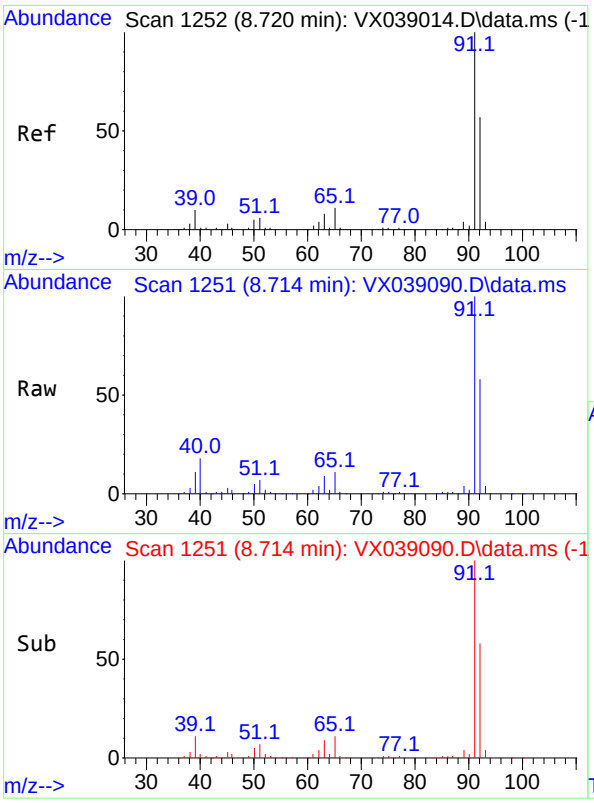


#60
4-Bromofluorobenzene
Concen: 30.070 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion: 95 Resp: 68933

Ion	Ratio	Lower	Upper
95	100		
174	65.3	55.4	83.2
176	62.7	52.6	78.8



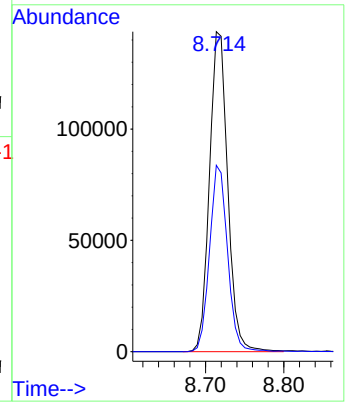


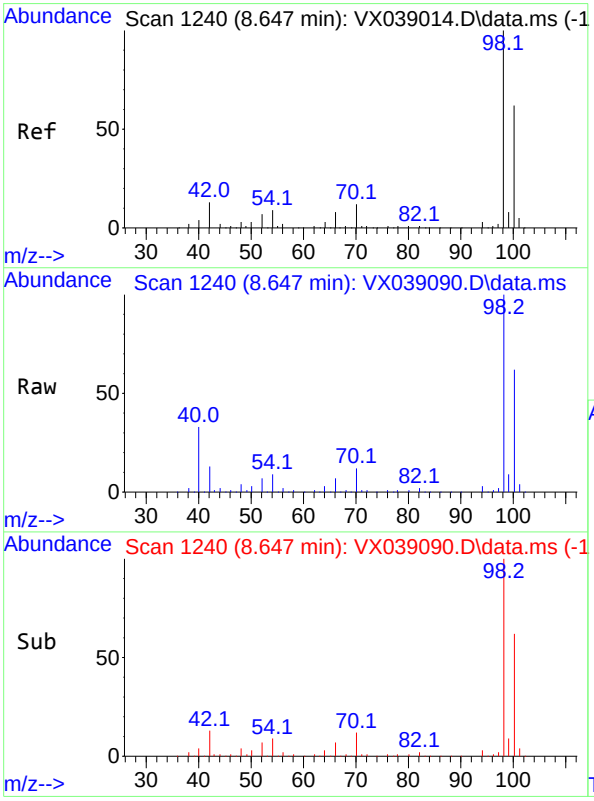
#62
Toluene
Concen: 31.141 ug/l
RT: 8.714 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion: 91 Resp: 232053

Ion	Ratio	Lower	Upper
91	100		
92	57.4	45.9	68.9

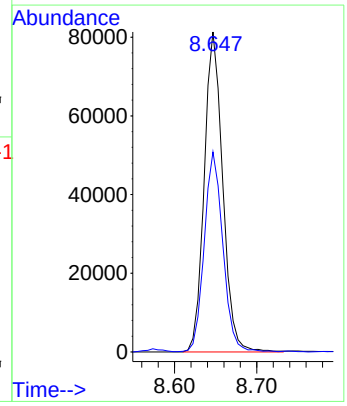


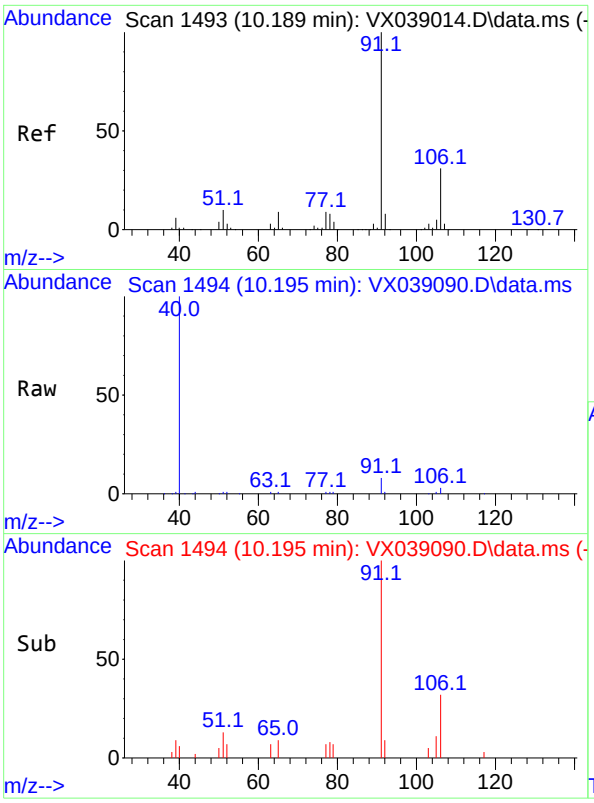


#63
Toluene-d8
Concen: 30.613 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion: 98 Resp: 127032

Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.0	76.4



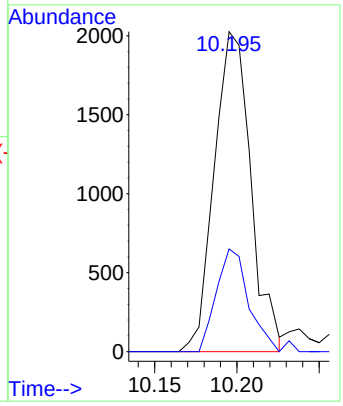


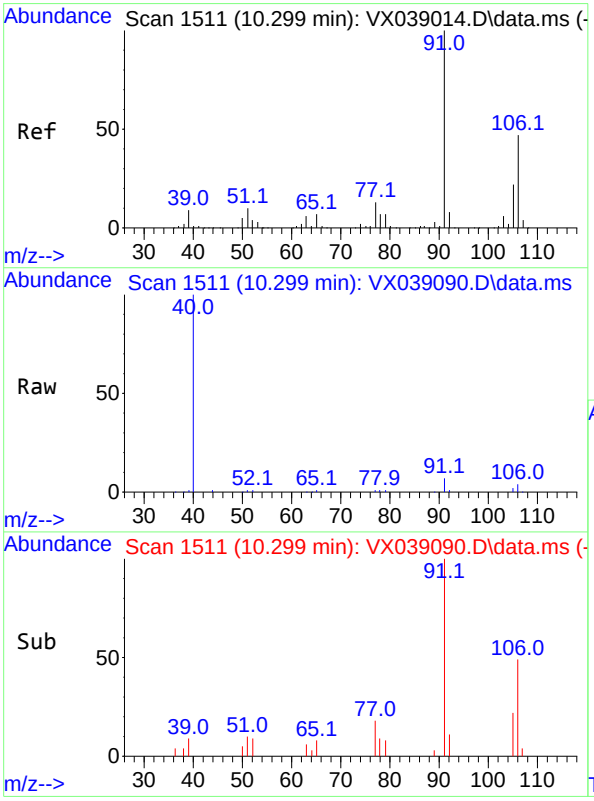
#66
Ethyl Benzene
Concen: 0.369 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion: 91 Resp: 3133

Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.4	36.6

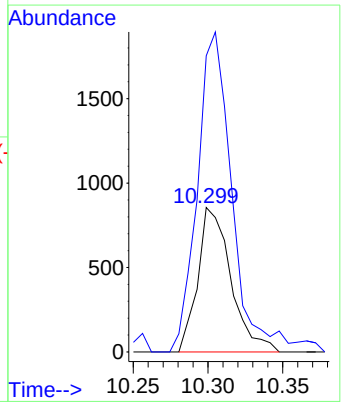


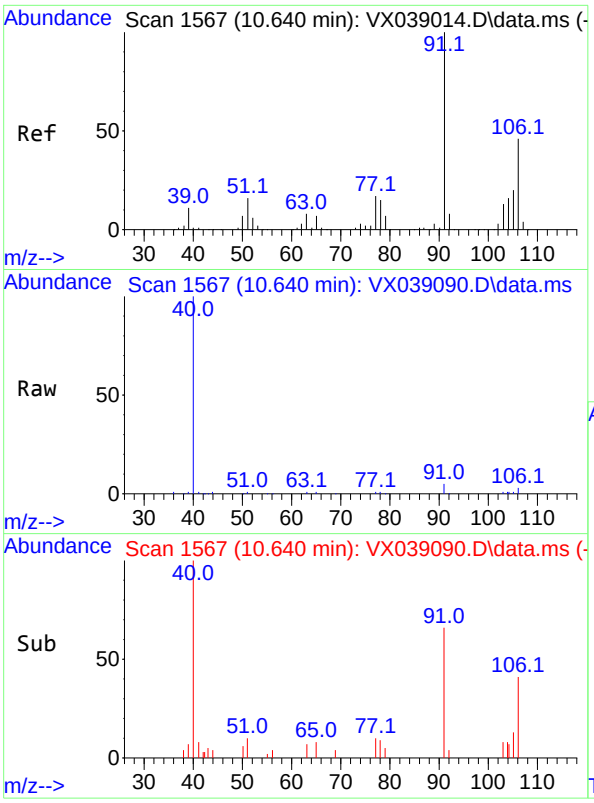


#67
m/p-Xylenes
Concen: 0.420 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion:106 Resp: 1318

Ion	Ratio	Lower	Upper
106	100		
91	224.4	169.4	254.0



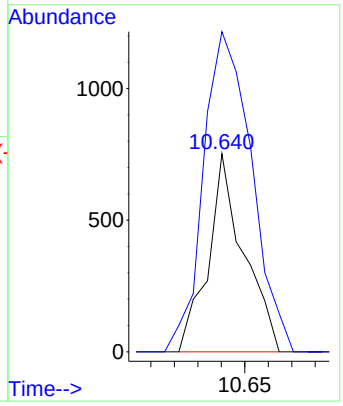


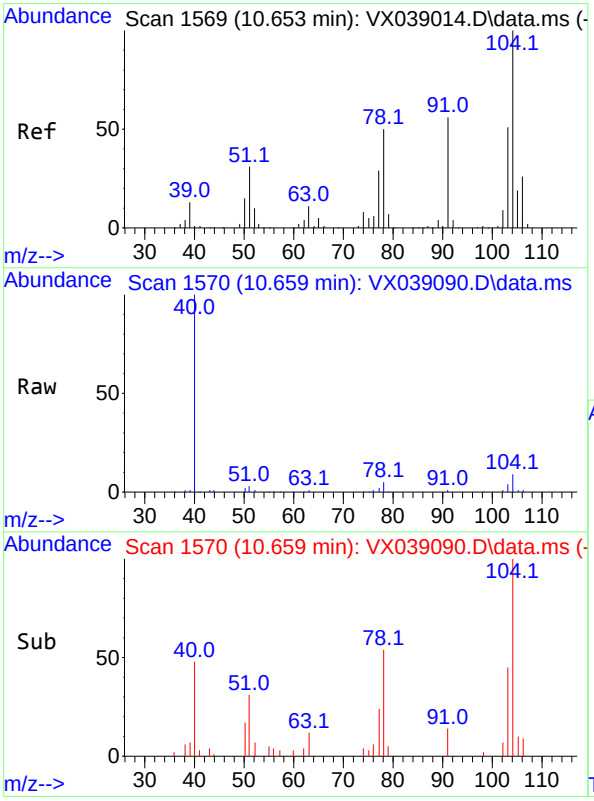
#68
o-Xylene
Concen: 0.260 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion:106 Resp: 791

Ion	Ratio	Lower	Upper
106	100		
91	219.3	111.2	333.6

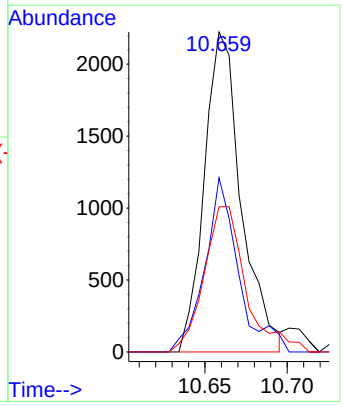


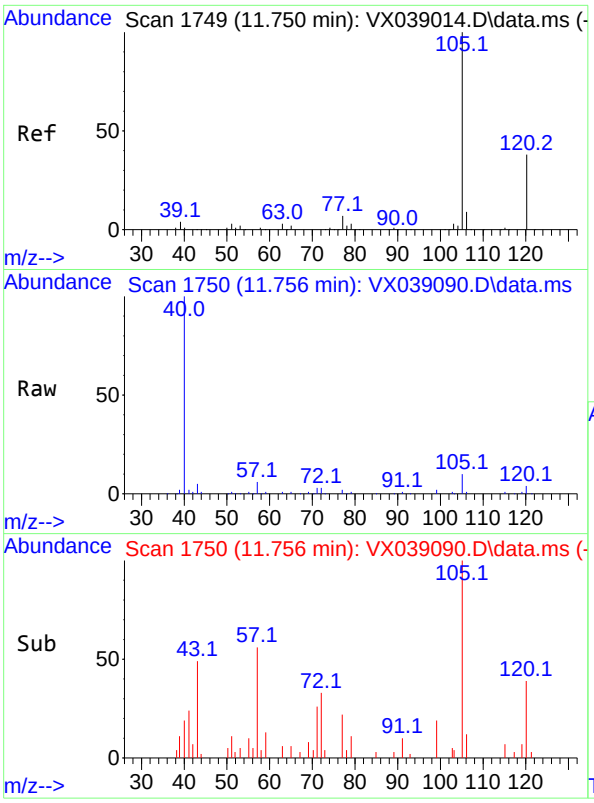


#69
Styrene
Concen: 0.769 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion:104 Resp: 3455

Ion	Ratio	Lower	Upper
104	100		
78	46.3	43.7	65.5
103	51.7	44.6	67.0



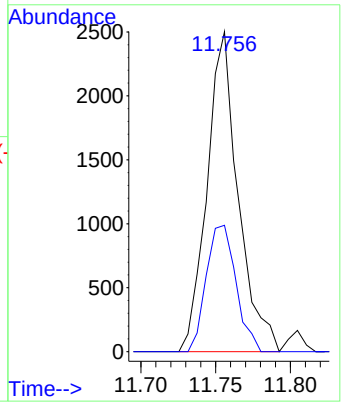


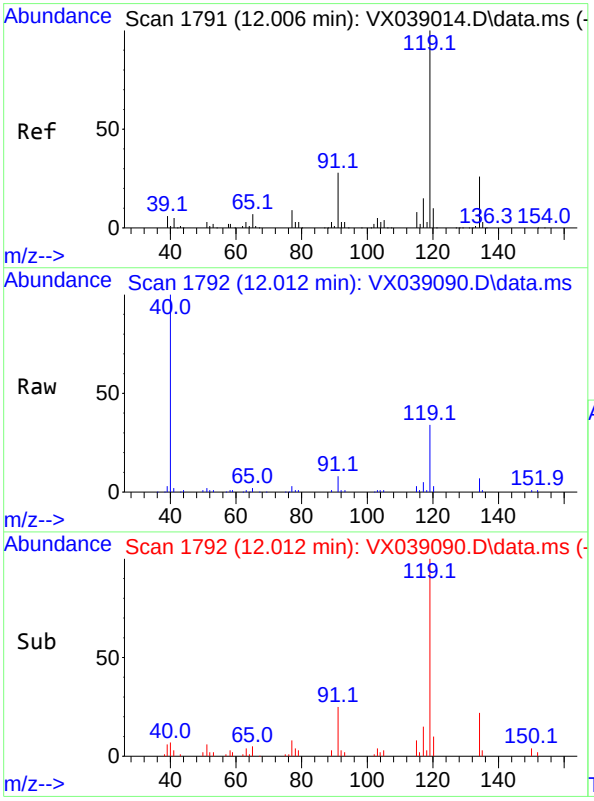
#80
1,2,4-Trimethylbenzene
Concen: 0.516 ug/l
RT: 11.756 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion:105 Resp: 3615

Ion	Ratio	Lower	Upper
105	100		
120	37.8	0.0	86.4

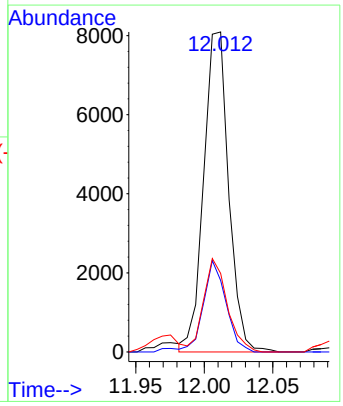


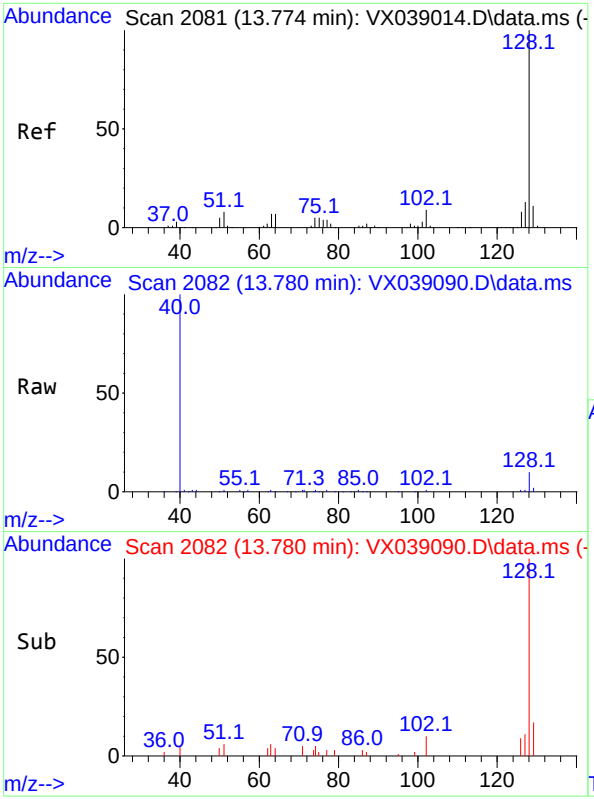


#82
p-Isopropyltoluene
Concen: 1.440 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

Tgt Ion:119 Resp: 10271

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	52.6
91	27.5	0.0	54.2





#91
Naphthalene
Concen: 0.363 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX039090.D
Acq: 06 Dec 2023 15:41

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

Tgt Ion:128 Resp: 3018

Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.2	15.2
129	13.2	8.6	12.8#