Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091120\
Data File : VX018356.D
Acq On : 11 Sep 2020 12:54
Operator : JC/SP
Sample : L3955-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : OF-1

Quant Time: Sep 12 06:29:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	76660	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	381500	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	357160	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.03	65	182064	30.10	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.33%			
60) 4-Bromofluorobenzene	11.12	95	167277	27.02	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 90.07%			
63) Toluene-d8	8.70	98	448386	28.48	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 94.93%			
Target Compounds						Qvalue
15) Acetone	2.42	58	4246	6.790	ug/l	90
16) Carbon Disulfide	2.56	76	4100	0.365	ug/l #	84
58) 4-Methyl-2-Pentanone	8.62	43	6953	1.132	ug/l	98
59) 2-Hexanone	9.48	43	1126	0.242	ug/l	95
83) 1,3-Dichlorobenzene	12.01	146	2385	0.244	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	2119	0.217	ug/l	88
85) n-Butylbenzene	12.37	91	3237	0.202	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	2493	0.403	ug/l	92
90) Hexachlorobutadiene	13.77	225	1501	0.573	ug/l	90
91) Naphthalene	13.82	128	4539	0.235	ug/l #	91
92) 1,2,3-Trichlorobenzene	14.01	180	1897	0.310	ug/l	82

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

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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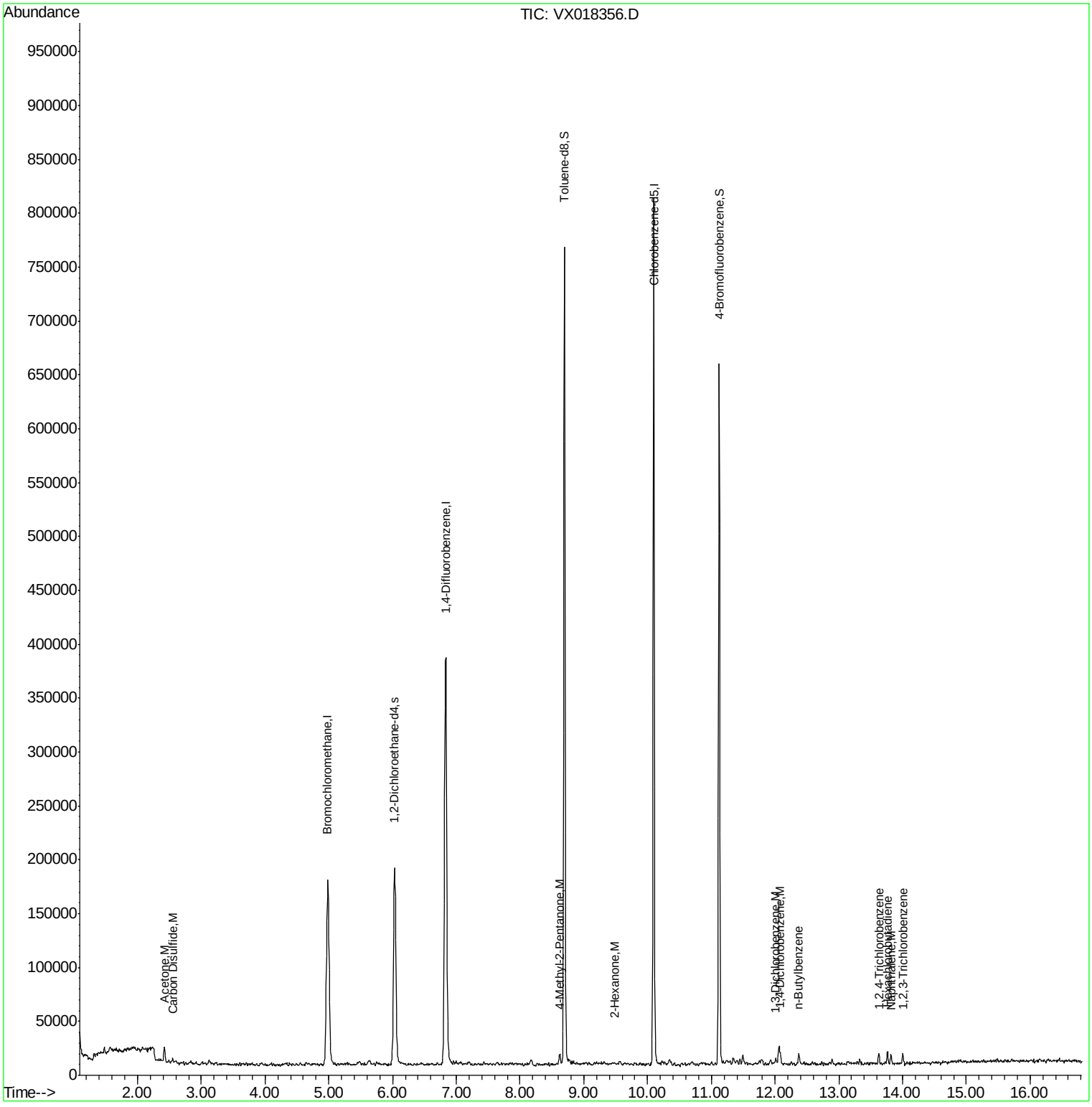
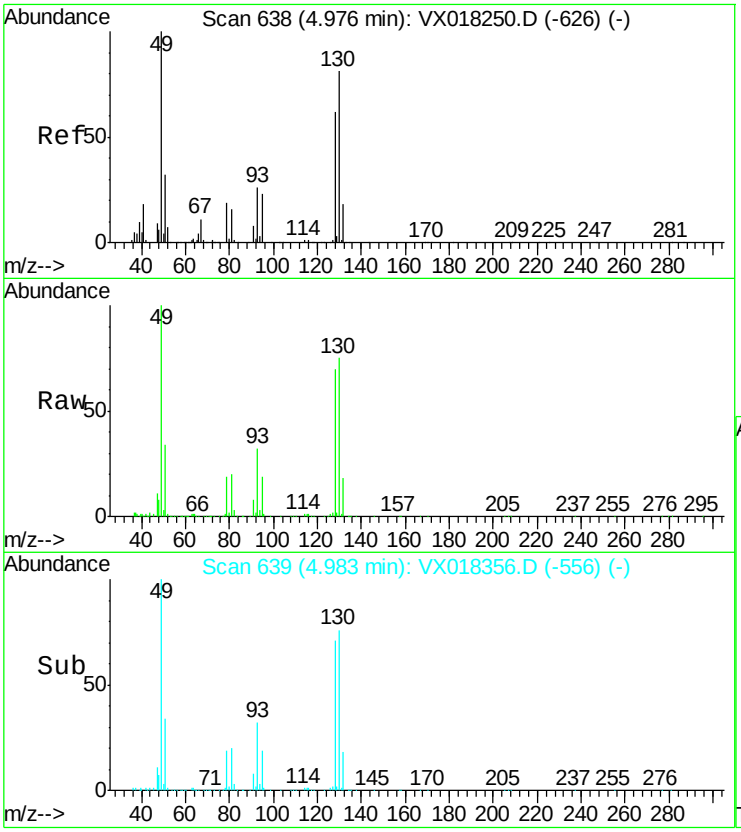


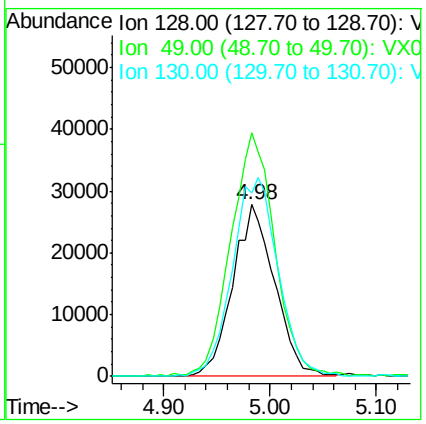


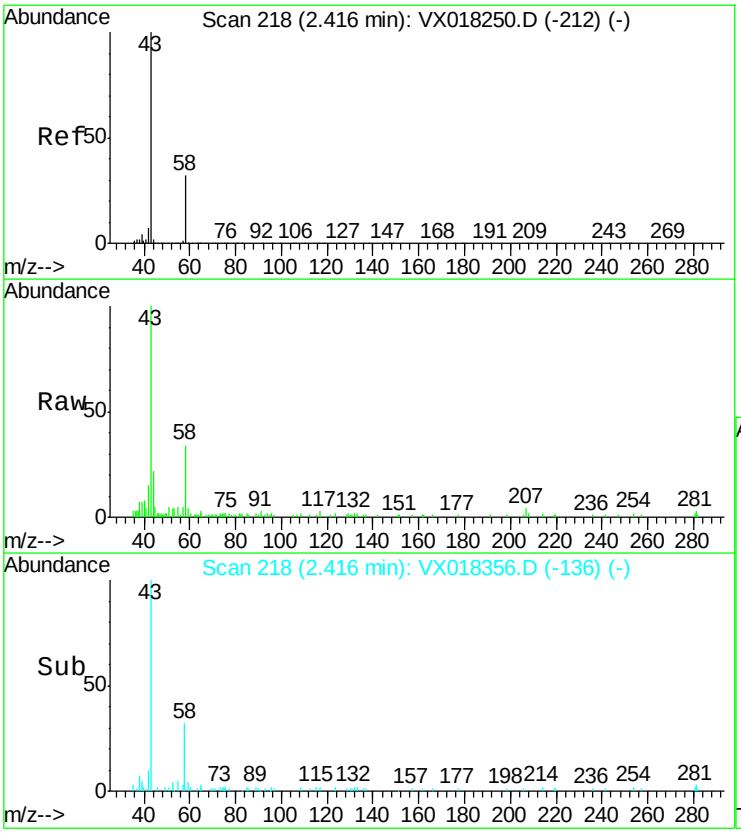
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument : MSVOA_X
ClientSampleId : OF-1

Tgt Ion:128 Resp: 76660

Ion	Ratio	Lower	Upper
128	100		
49	148.6	0.0	392.0
130	126.0	0.0	320.2

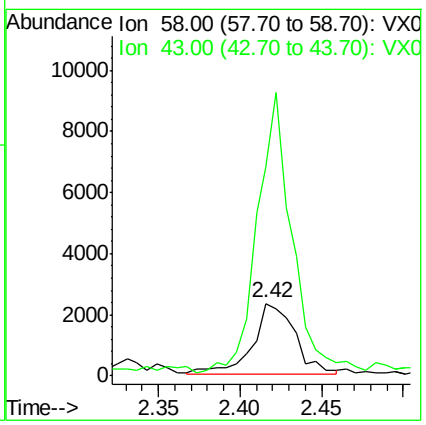


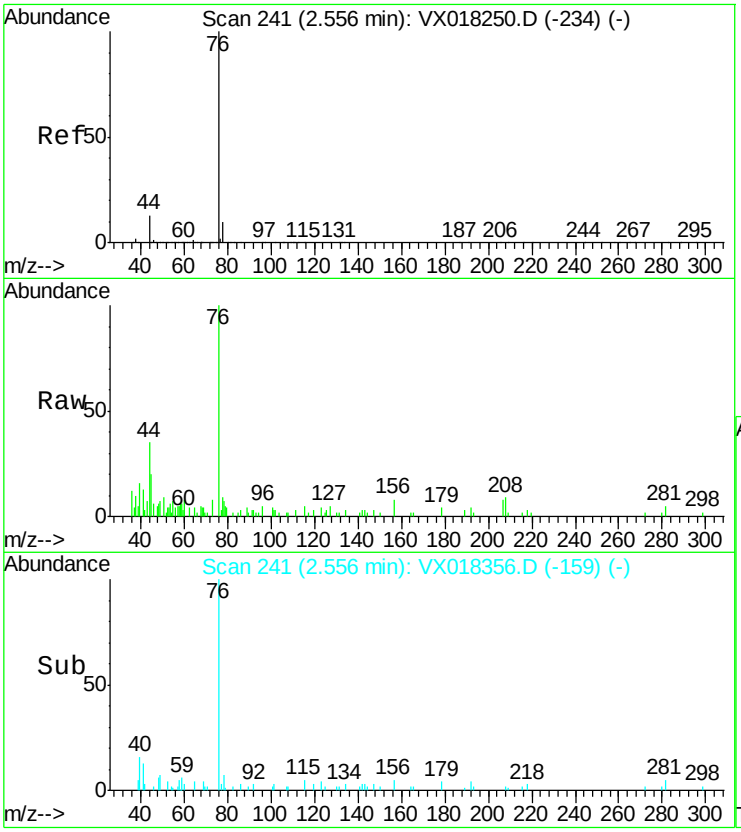


#15
Acetone
Concen: 6.790 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Tgt Ion: 58 Resp: 4246

Ion	Ratio	Lower	Upper
58	100		
43	290.0	248.2	372.2



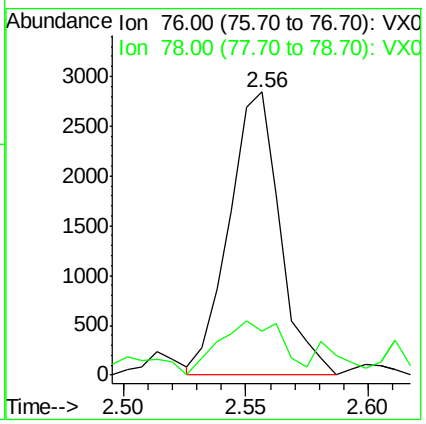


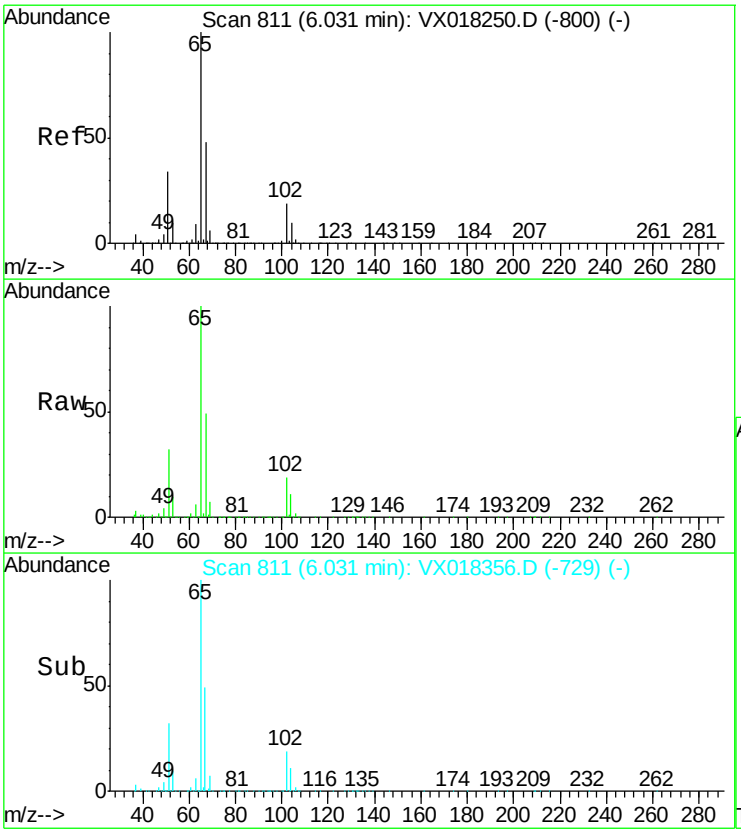
#16
Carbon Disulfide
Concen: 0.365 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
OF-1

Tgt Ion: 76 Resp: 4100

Ion	Ratio	Lower	Upper
76	100		
78	15.7	7.8	11.6#

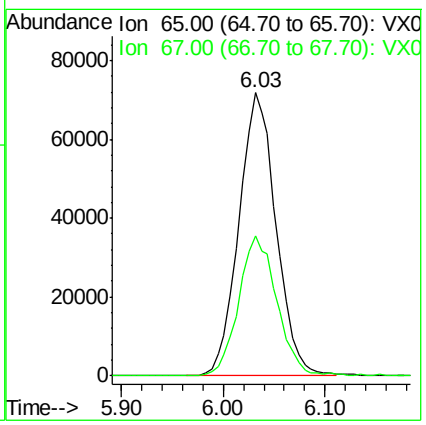


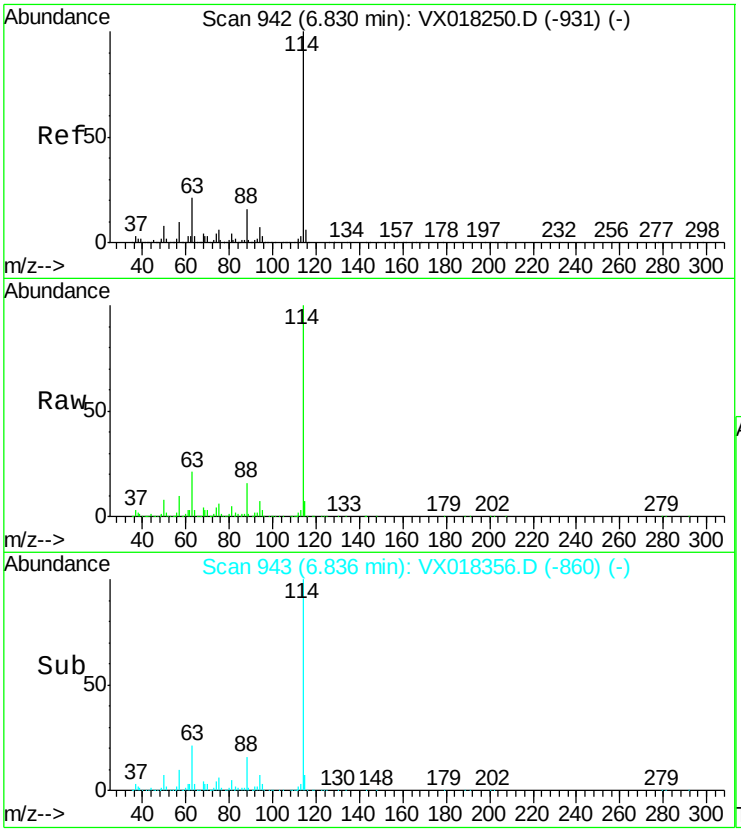


#27
1,2-Dichloroethane-d4
Concen: 30.103 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Tgt Ion: 65 Resp: 182064

Ion	Ratio	Lower	Upper
65	100		
67	50.6	39.9	59.9



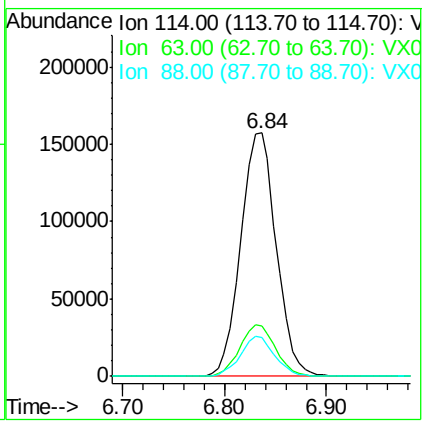


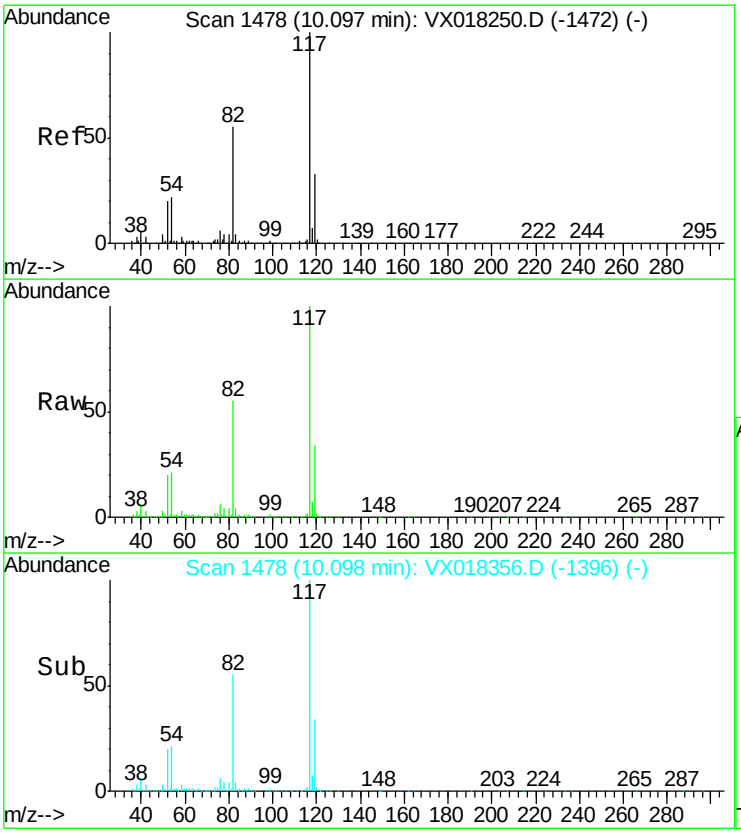
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. 0.01 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
OF-1

Tgt Ion:114 Resp: 381500

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.7	25.1
88	15.7	12.6	18.8

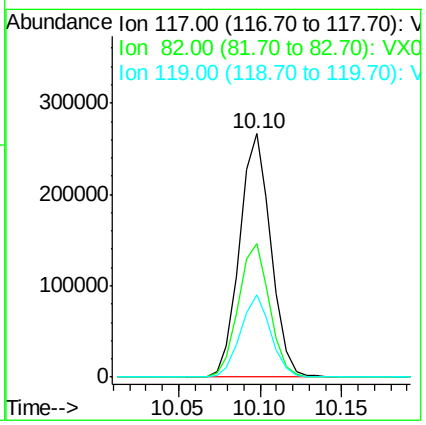


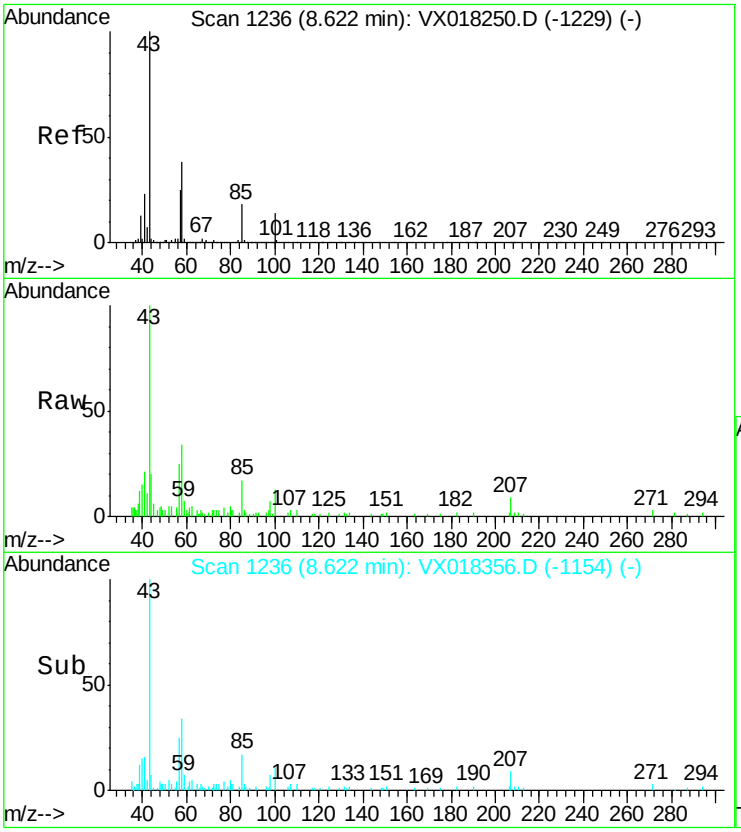


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Tgt Ion:117 Resp: 357160

Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.2	66.4
119	32.6	26.1	39.1



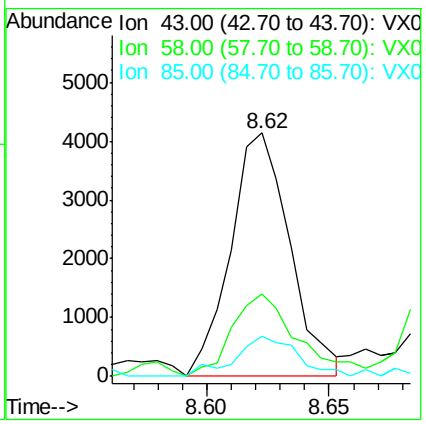


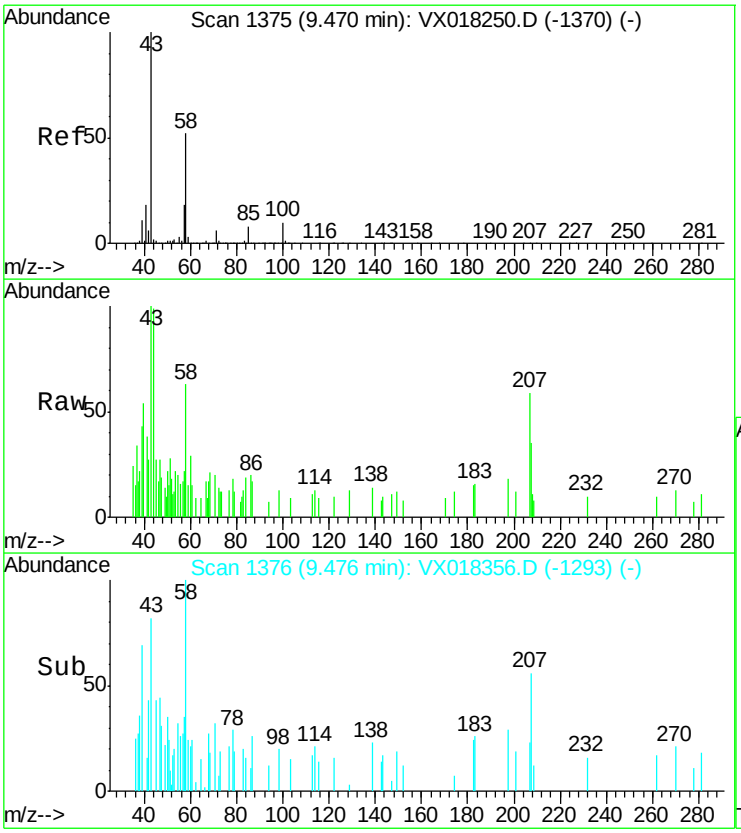
#58
4-Methyl-2-Pentanone
Concen: 1.132 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument : MSVOA_X
ClientSampleId : OF-1

Tgt Ion: 43 Resp: 6953

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.0	45.0
85	15.3	14.2	21.4

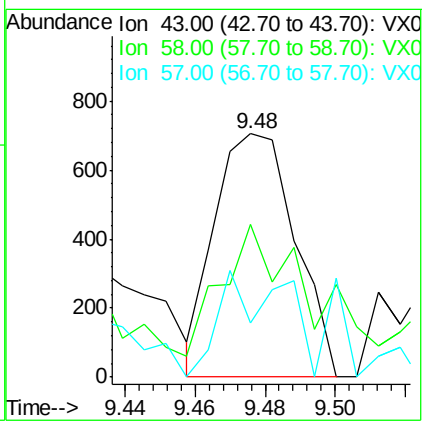


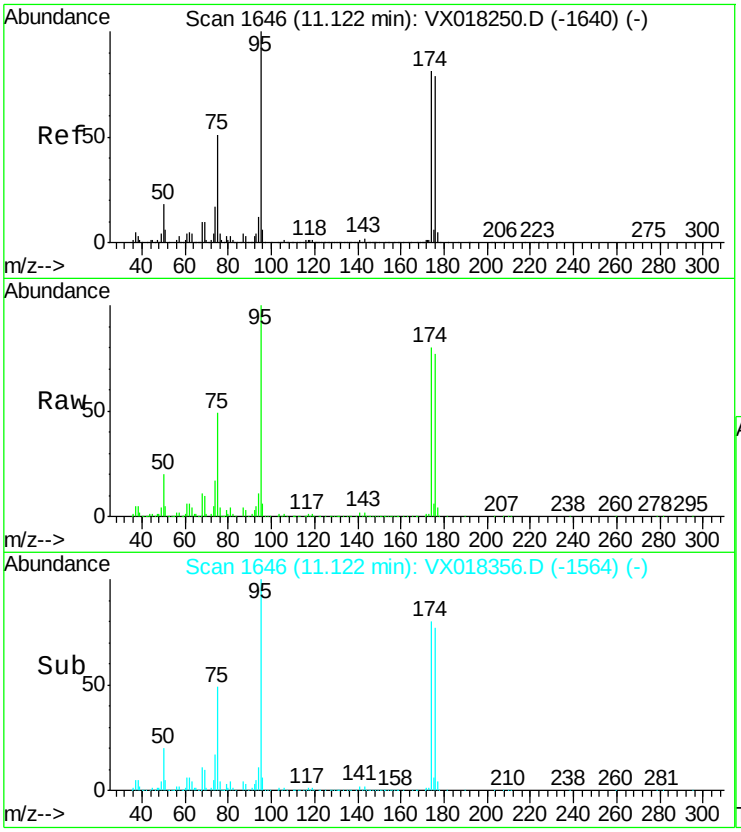


#59
2-Hexanone
Concen: 0.242 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Tgt Ion: 43 Resp: 1126

Ion	Ratio	Lower	Upper
43	100		
58	57.4	42.5	63.7
57	17.7	14.8	22.2



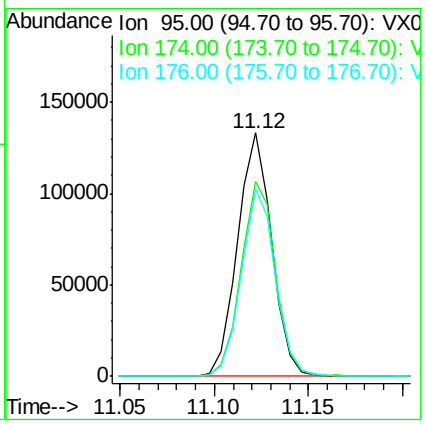


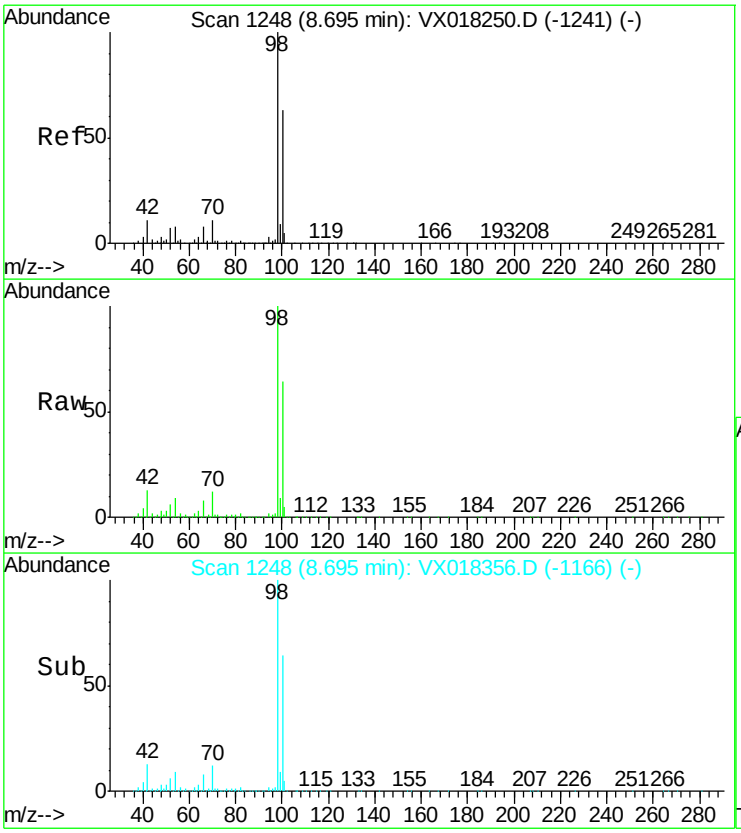
#60
4-Bromofluorobenzene
Concen: 27.022 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
OF-1

Tgt Ion: 95 Resp: 167277

Ion	Ratio	Lower	Upper
95	100		
174	80.3	64.2	96.4
176	76.4	62.2	93.4

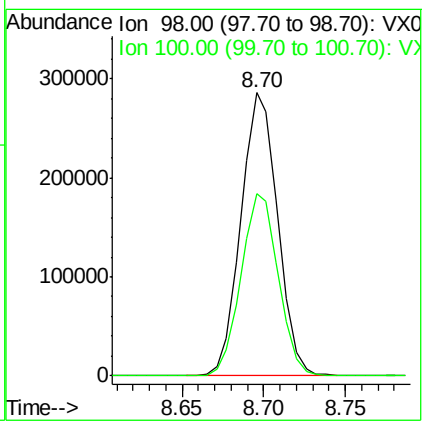


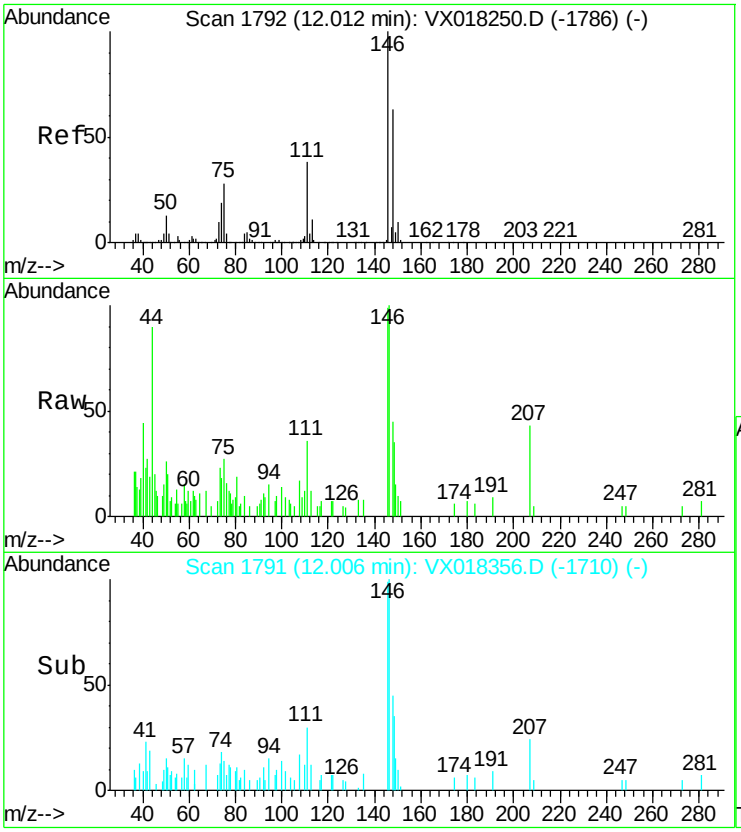


#63
Toluene-d8
Concen: 28.483 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Tgt Ion: 98 Resp: 448386

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.0



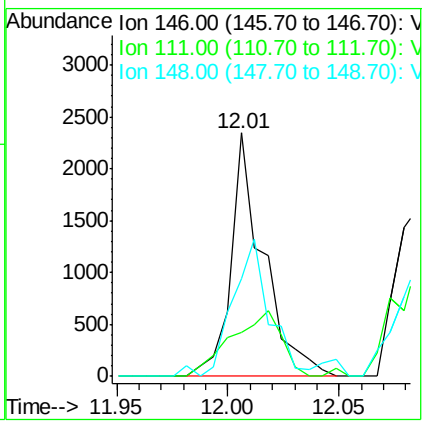


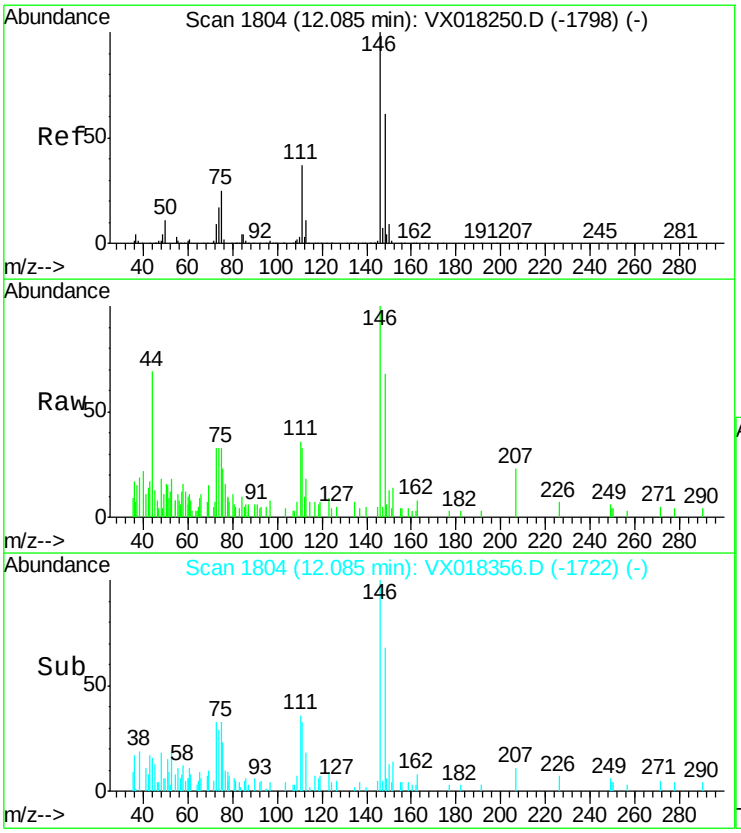
#83
1,3-Dichlorobenzene
Concen: 0.244 ug/l
RT: 12.01 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument : MSVOA_X
ClientSampleId : OF-1

Tgt Ion:146 Resp: 2385

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.0	59.9
148	62.9	32.1	96.3

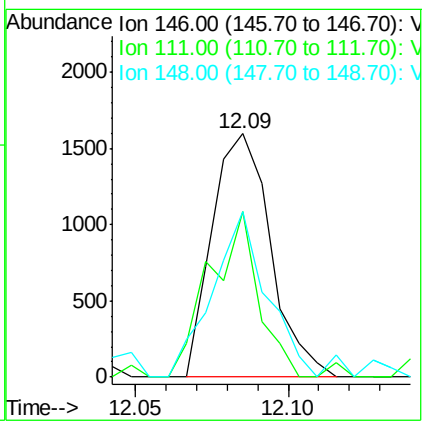


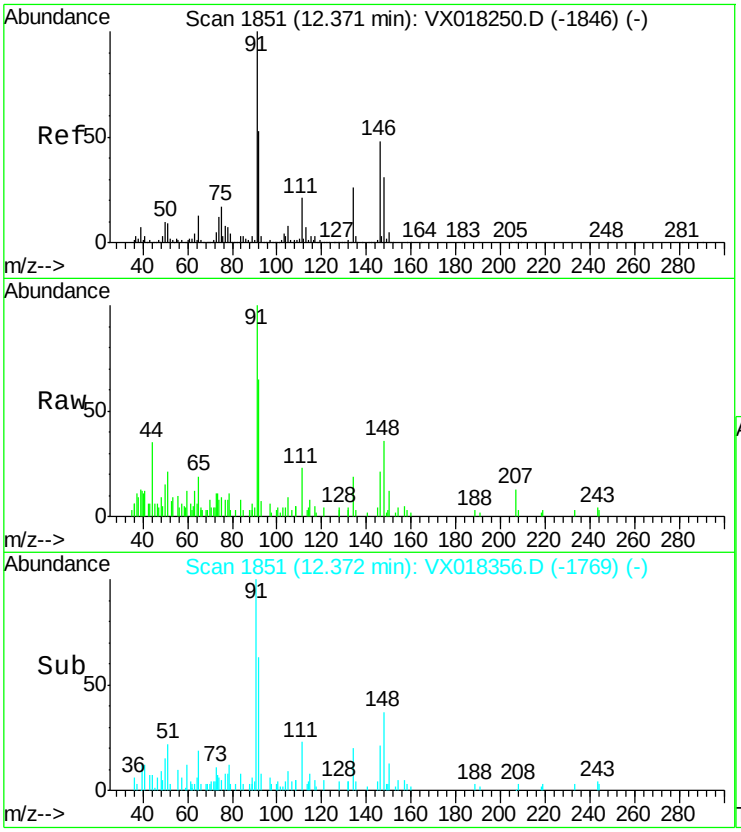


#84
1,4-Dichlorobenzene
Concen: 0.217 ug/l
RT: 12.09 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Tgt Ion:146 Resp: 2119

Ion	Ratio	Lower	Upper
146	100		
111	56.8	19.3	57.8
148	63.0	31.7	95.1



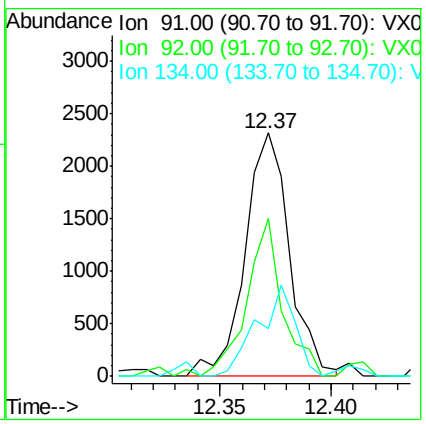


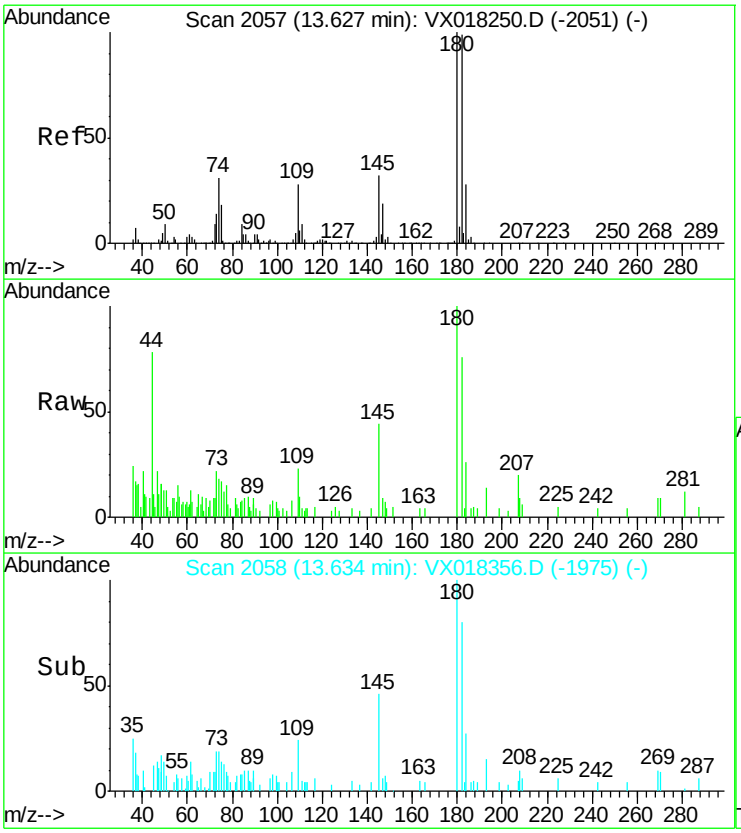
#85
n-Butylbenzene
Concen: 0.202 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument : MSVOA_X
ClientSampleId : OF-1

Tgt Ion: 91 Resp: 3237

Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	105.0
134	31.6	0.0	51.0

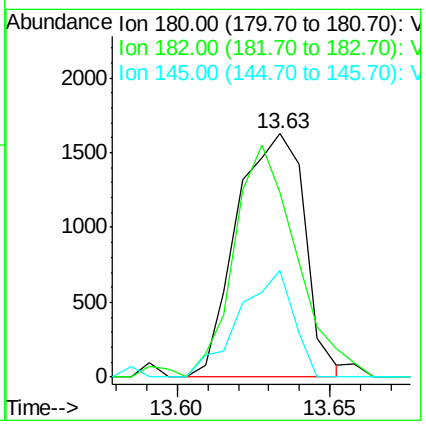


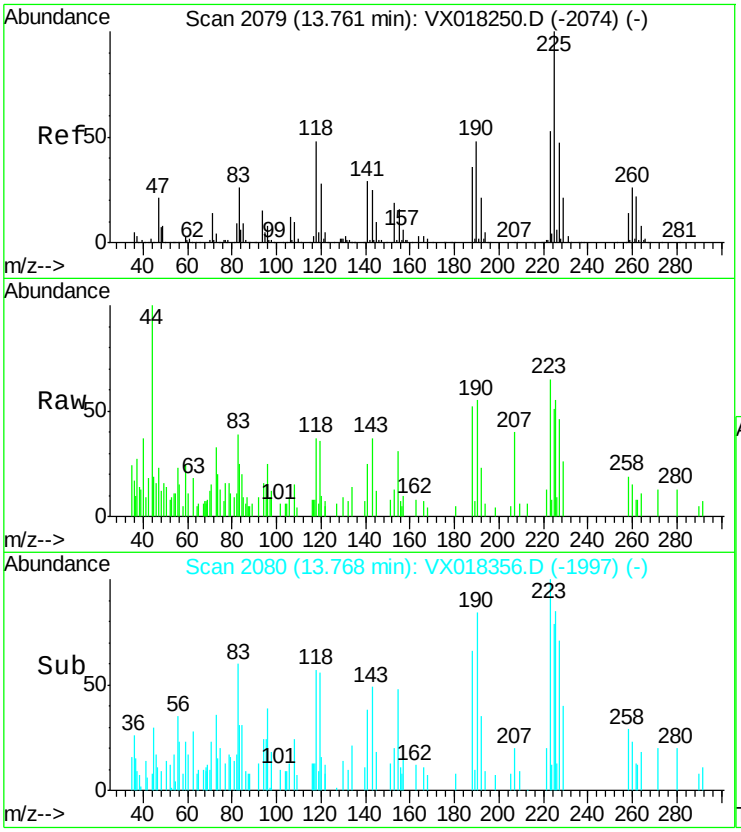


#89
1,2,4-Trichlorobenzene
Concen: 0.403 ug/l
RT: 13.63 min Scan# 2058
Delta R.T. 0.01 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Tgt Ion:180 Resp: 2493

Ion	Ratio	Lower	Upper
180	100		
182	87.9	77.1	115.7
145	35.0	25.0	37.6



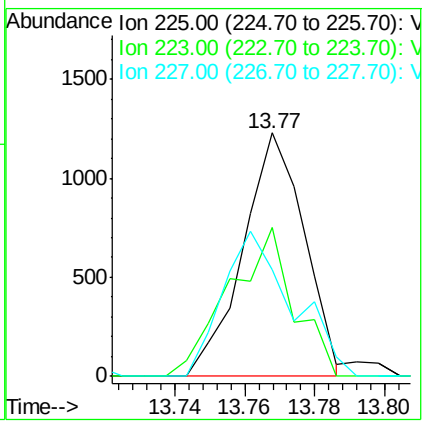


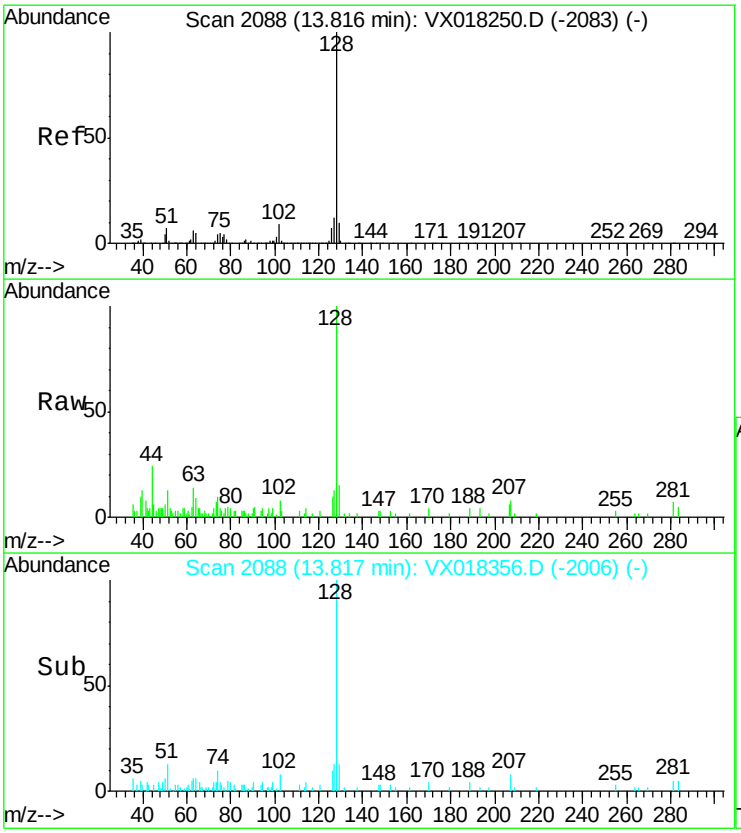
#90
Hexachlorobutadiene
Concen: 0.573 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
OF-1

Tgt Ion:225 Resp: 1501

Ion	Ratio	Lower	Upper
225	100		
223	64.0	0.0	115.8
227	67.6	0.0	117.0

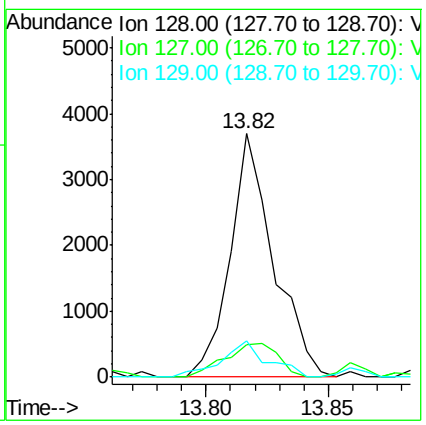


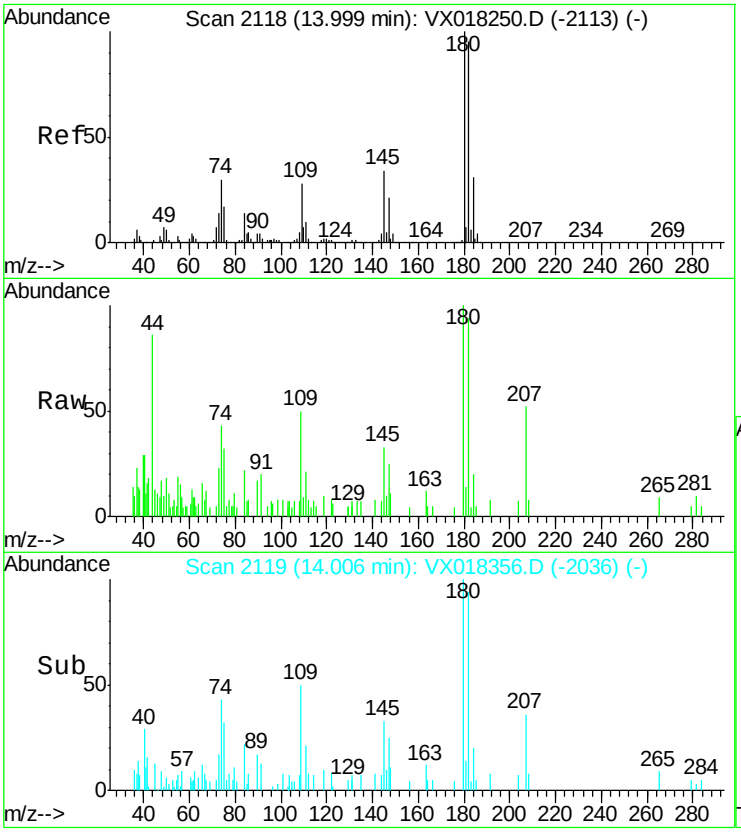


#91
Naphthalene
Concen: 0.235 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Tgt Ion:128 Resp: 4539

Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.2	15.4#
129	13.9	8.7	13.1#





#92
1,2,3-Trichlorobenzene
Concen: 0.310 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX018356.D
Acq: 11 Sep 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
OF-1

Tgt Ion:180 Resp: 1897

Ion	Ratio	Lower	Upper
180	100		
182	110.6	0.0	191.6
145	47.5	0.0	67.4