Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
Data File : VX002151.D
Acq On : 30 May 2018 21:45
Operator : JC/MD
Sample : J3093-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 14B-4

Quant Time: May 31 02:11:17 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	35429	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	190322	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	160663	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	86824	31.14	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 103.80%			
60) 4-Bromofluorobenzene	11.14	95	72220	26.26	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 87.53%			
63) Toluene-d8	8.72	98	227209	31.73	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 105.77%			
Target Compounds						Qvalue
3) Chloromethane	1.32	50	1212	0.54	ug/l	96
5) Bromomethane	1.64	94	958	0.77	ug/l	81
6) Chloroethane	1.81	64	318	0.24	ug/l	97
11) Methyl Iodide	2.53	142	1282	0.46	ug/l	90
12) Methyl Acetate	2.78	43	1099	0.38	ug/l	98
13) Acrolein	2.30	56	511	2.10	ug/l	89
15) Acetone	2.45	58	1103	3.52	ug/l	94
16) Carbon Disulfide	2.57	76	1100	0.22	ug/l	97
17) Allyl chloride	2.71	41	3331	0.92	ug/l #	44
18) Methylene Chloride	2.86	84	2040	1.03	ug/l	92
25) Chloroform	5.22	83	253413	65.18	ug/l	97
40) Dibromomethane	7.91	93	1320	0.90	ug/l #	1
41) Bromodichloromethane	7.90	83	39984	13.21	ug/l	100
52) 1,3-Dichloropropane	9.06	76	1236	0.35	ug/l #	43
53) Dibromochloromethane	9.59	129	3267	1.28	ug/l	97
56) Bromoform	11.15	173	849	0.38	ug/l #	1
58) 4-Methyl-2-Pentanone	8.63	43	2124	0.61	ug/l #	47
77) t-1,4-Dichloro-2-butene	11.14	75	38804	38.65	ug/l #	11

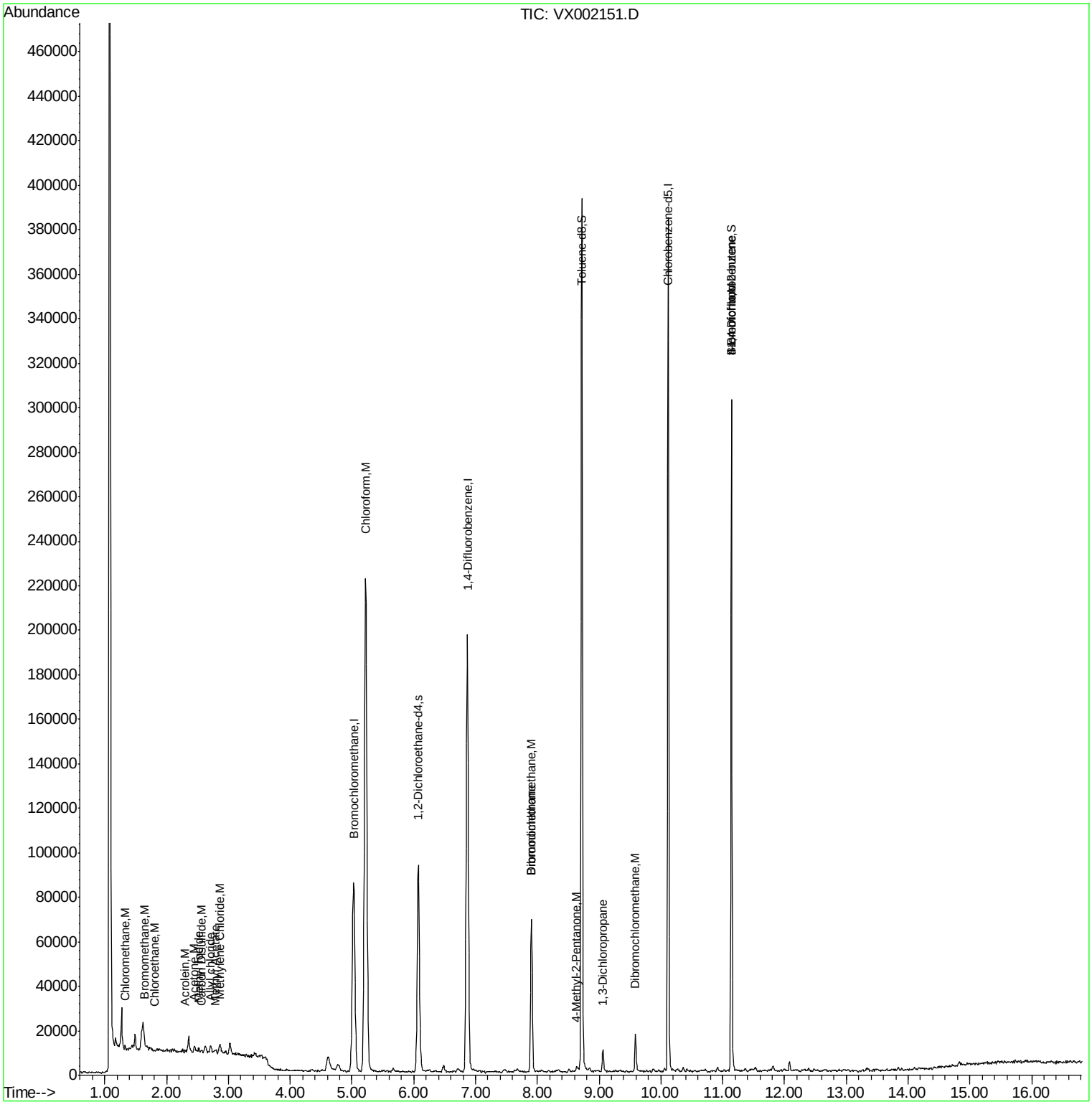
(#) = qualifier out of range (m) = manual integration (+) = signals summed

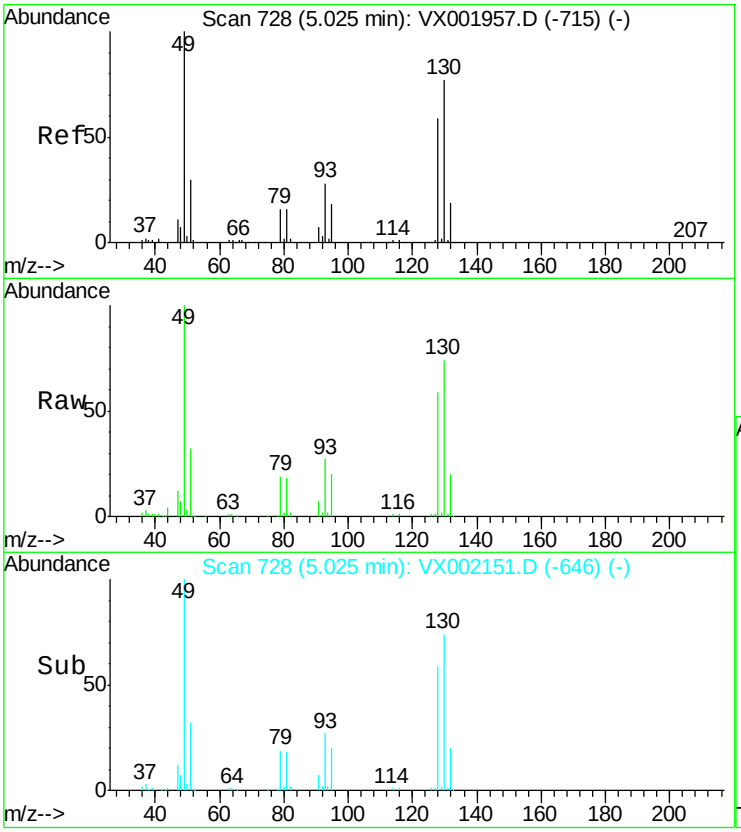
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
Data File : VX002151.D
Acq On : 30 May 2018 21:45
Operator : JC/MD
Sample : J3093-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Quant Time: May 31 02:11:17 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration



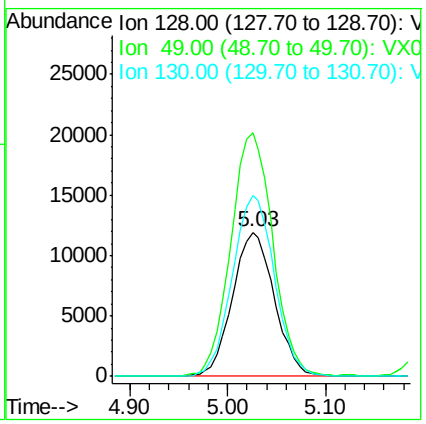


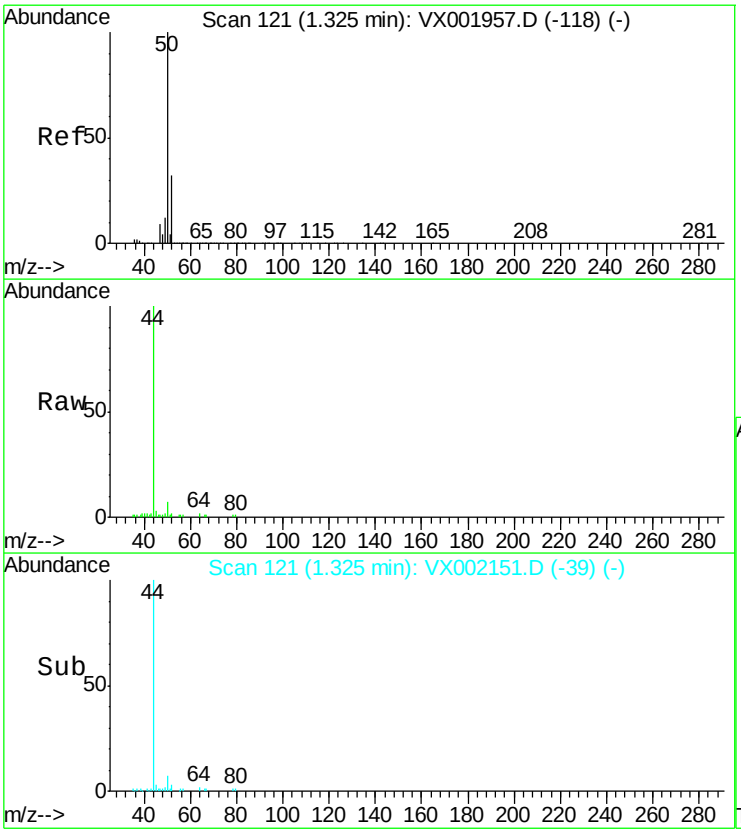
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion:128 Resp: 35429

Ion	Ratio	Lower	Upper
128	100		
49	169.8	0.0	423.0
130	126.2	0.0	324.3

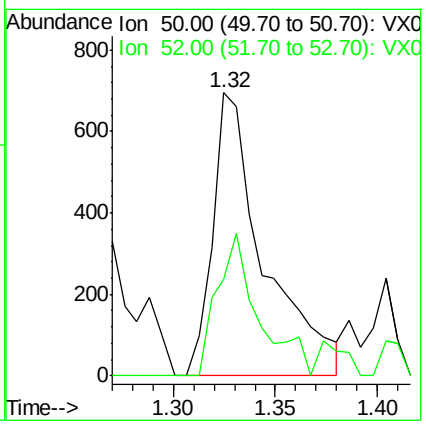


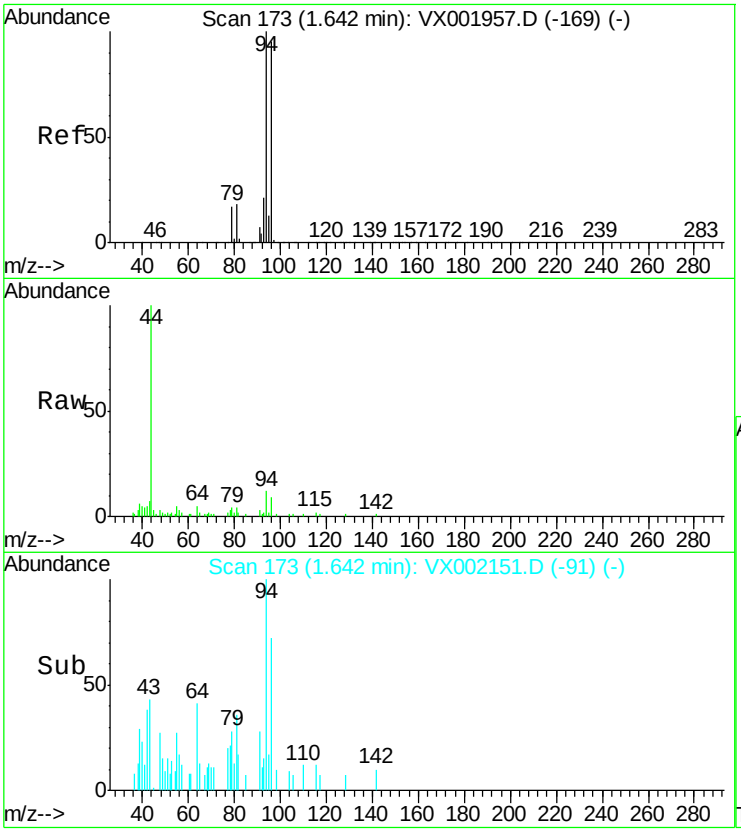


#3
Chloromethane
Concen: 0.54 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 50 Resp: 1212

Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.6	38.4



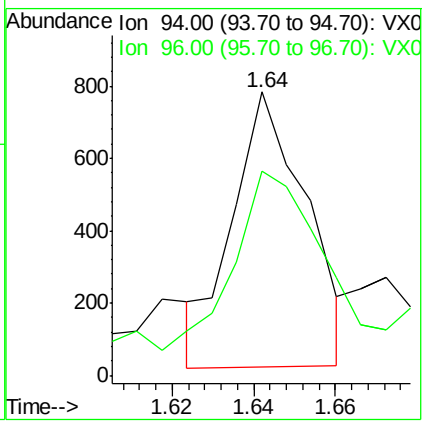


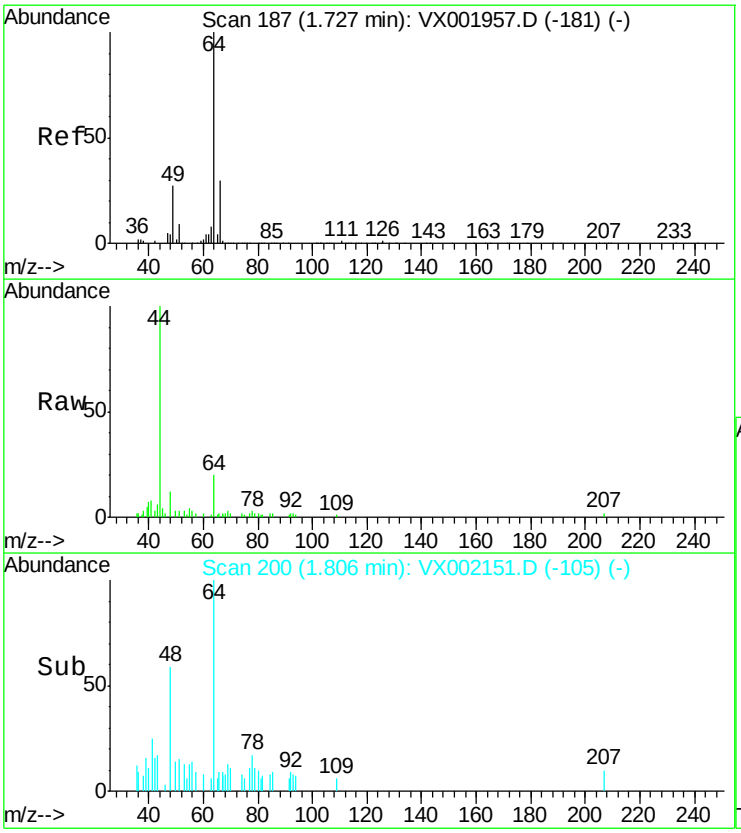
#5
Bromomethane
Concen: 0.77 ug/l
RT: 1.64 min Scan# 173
Delta R.T. 0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion: 94 Resp: 958

Ion	Ratio	Lower	Upper
94	100		
96	76.5	75.7	113.5

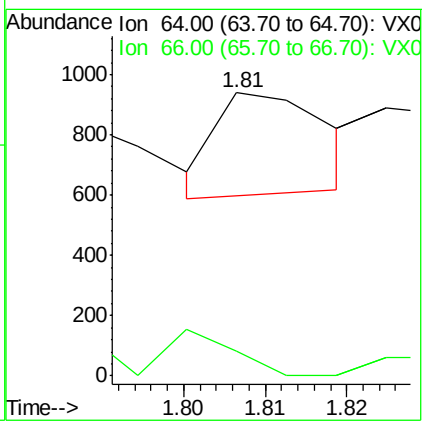


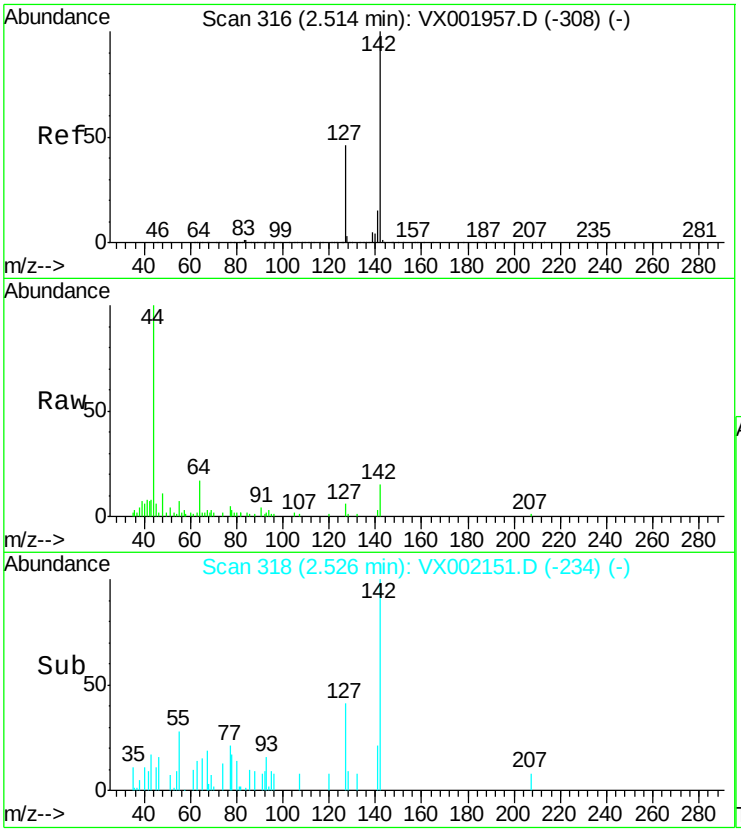


#6
Chloroethane
Concen: 0.24 ug/l
RT: 1.81 min Scan# 200
Delta R.T. 0.08 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 64 Resp: 318

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.3	36.5



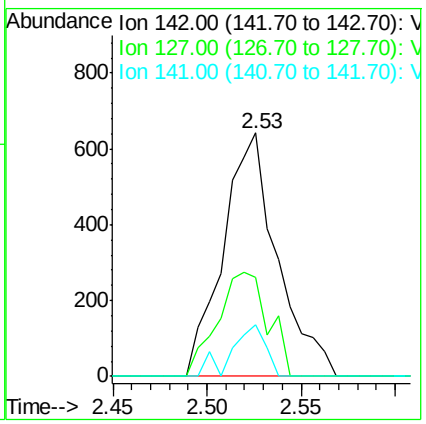


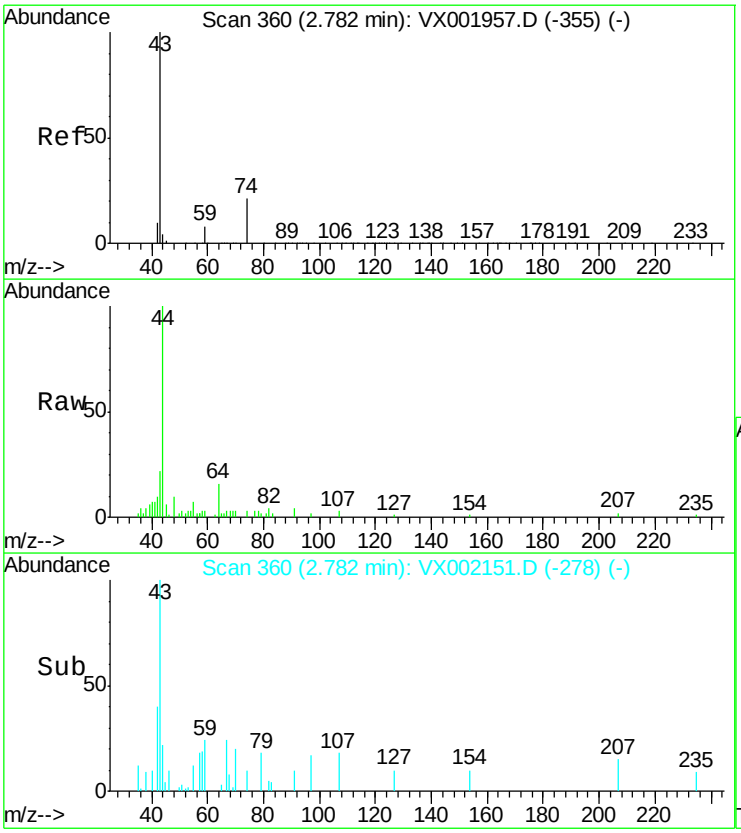
#11
Methyl Iodide
Concen: 0.46 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion:142 Resp: 1282

Ion	Ratio	Lower	Upper
142	100		
127	40.8	23.2	69.6
141	21.2	7.4	22.2

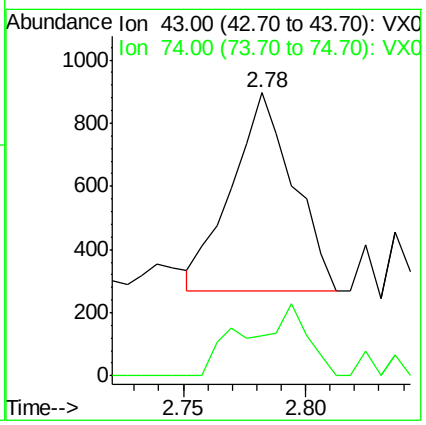


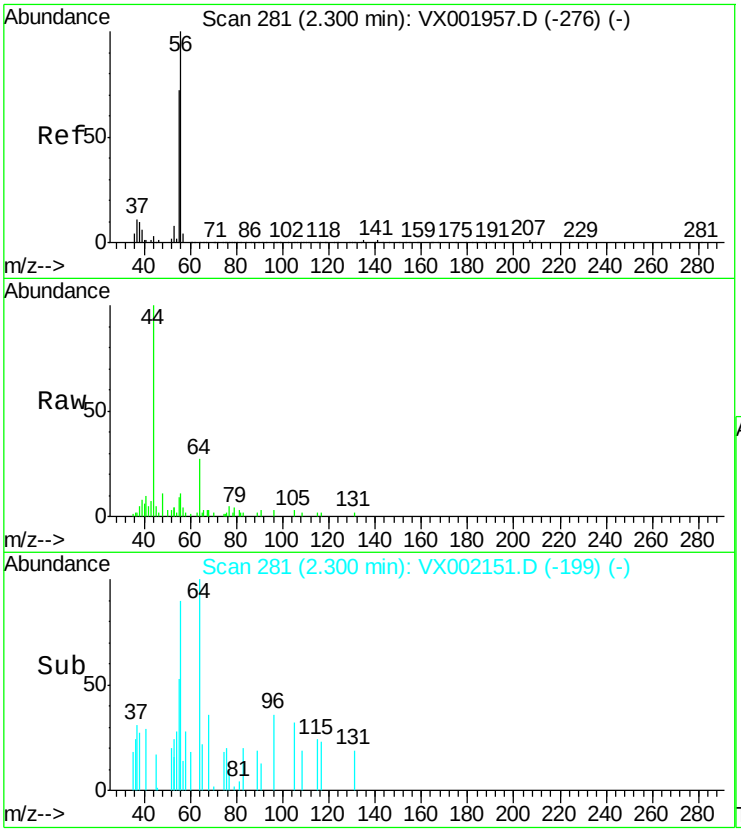


#12
Methyl Acetate
Concen: 0.38 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 43 Resp: 1099

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.4	24.6



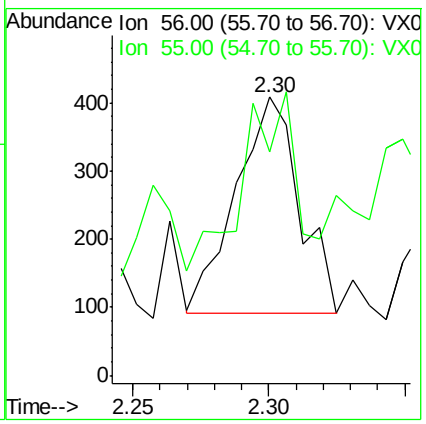


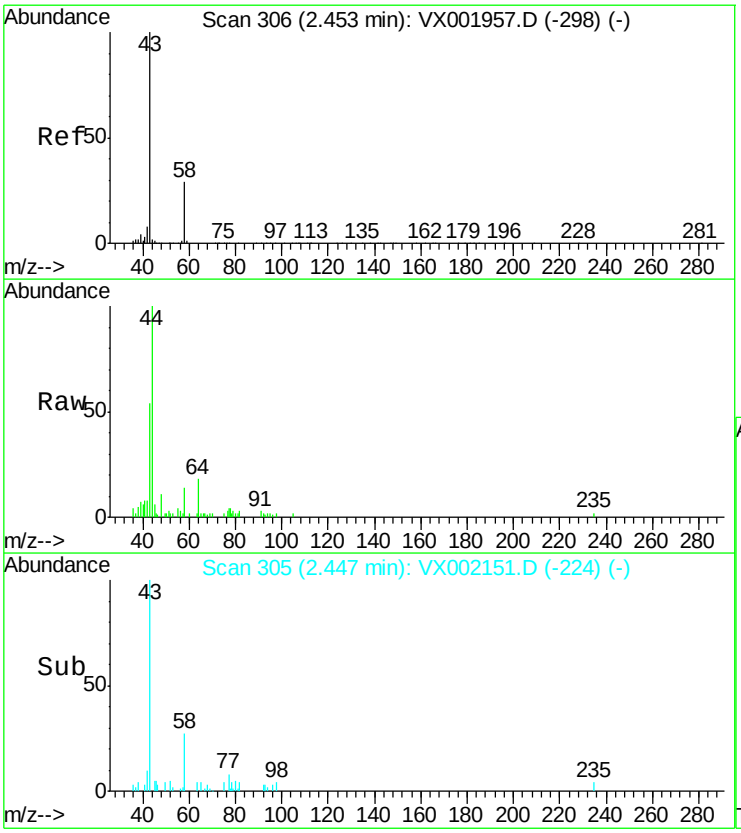
#13
Acrolein
Concen: 2.10 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion: 56 Resp: 511

Ion	Ratio	Lower	Upper
56	100		
55	62.2	57.3	85.9

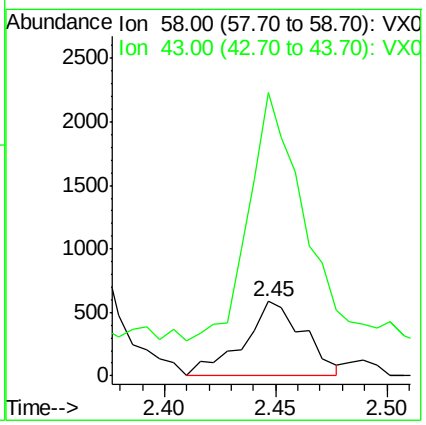


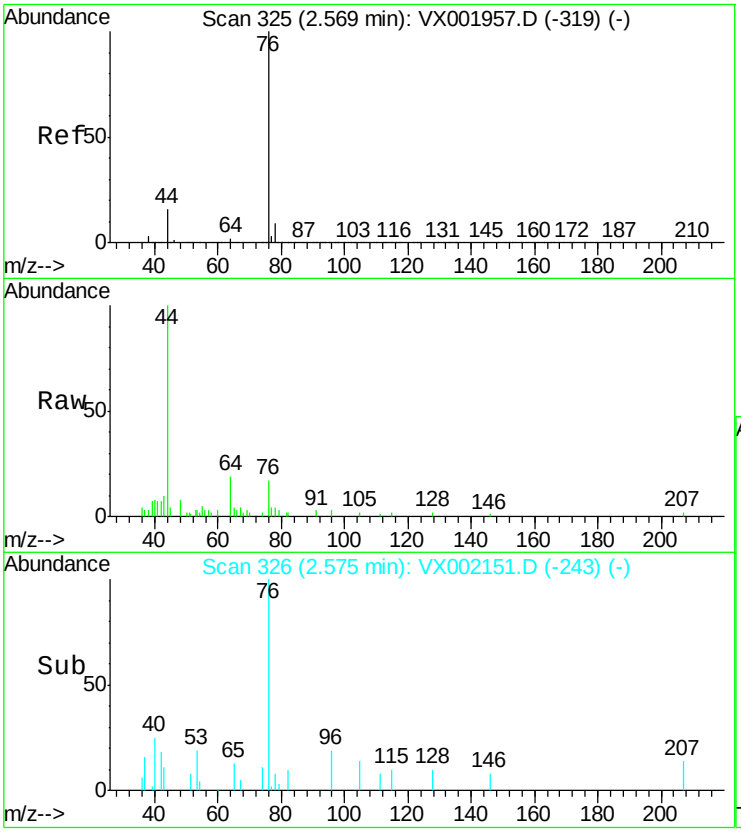


#15
Acetone
Concen: 3.52 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 58 Resp: 1103

Ion	Ratio	Lower	Upper
58	100		
43	334.6	278.8	418.2



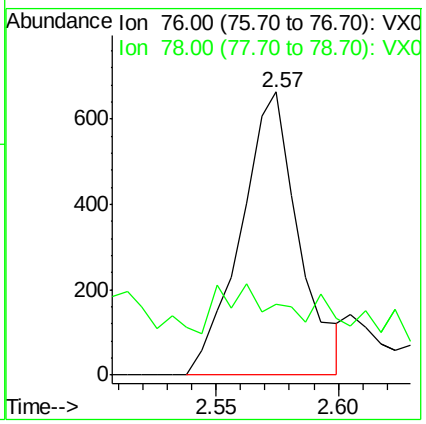


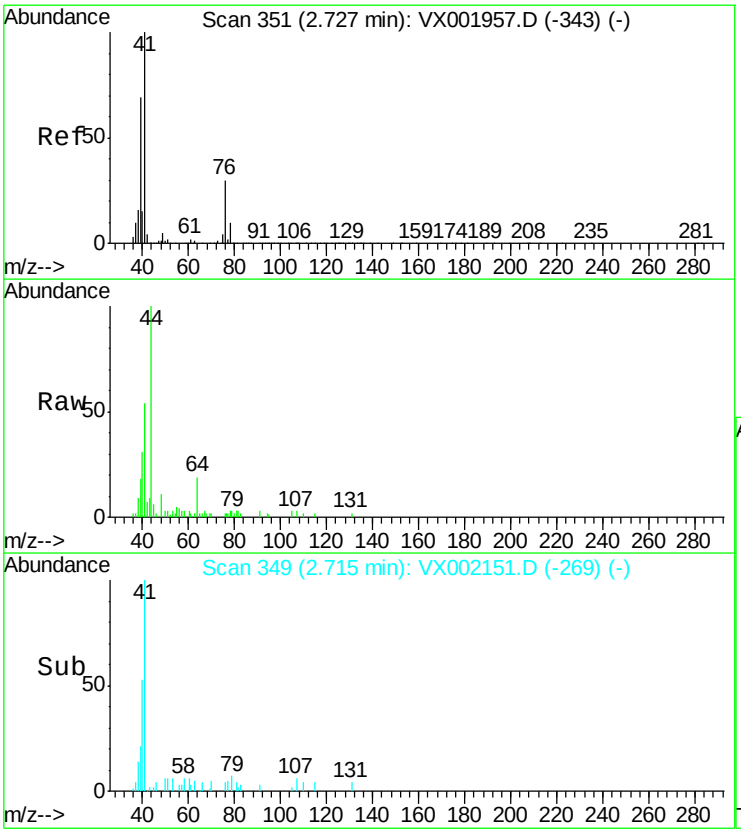
#16
Carbon Disulfide
Concen: 0.22 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion: 76 Resp: 1100

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.4	11.0

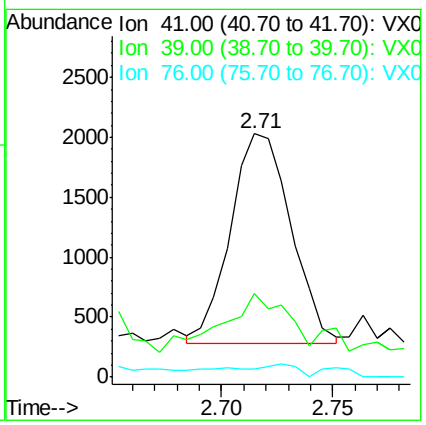


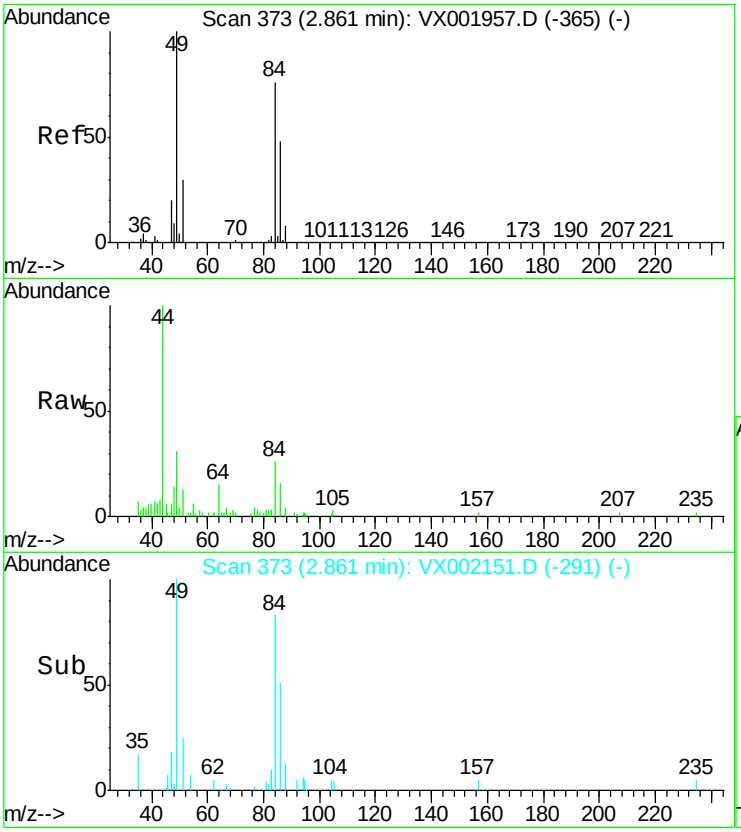


#17
Allyl chloride
Concen: 0.92 ug/l
RT: 2.71 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 41 Resp: 3331

Ion	Ratio	Lower	Upper
41	100		
39	22.9	34.6	103.8#
76	0.6	15.0	45.1#



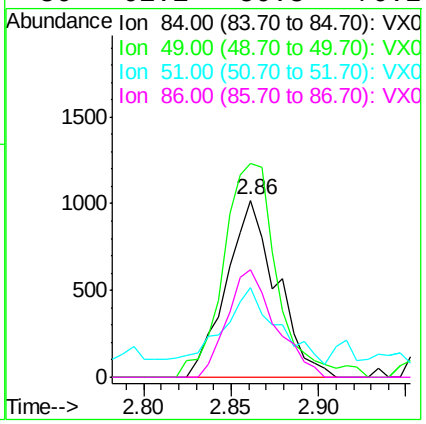


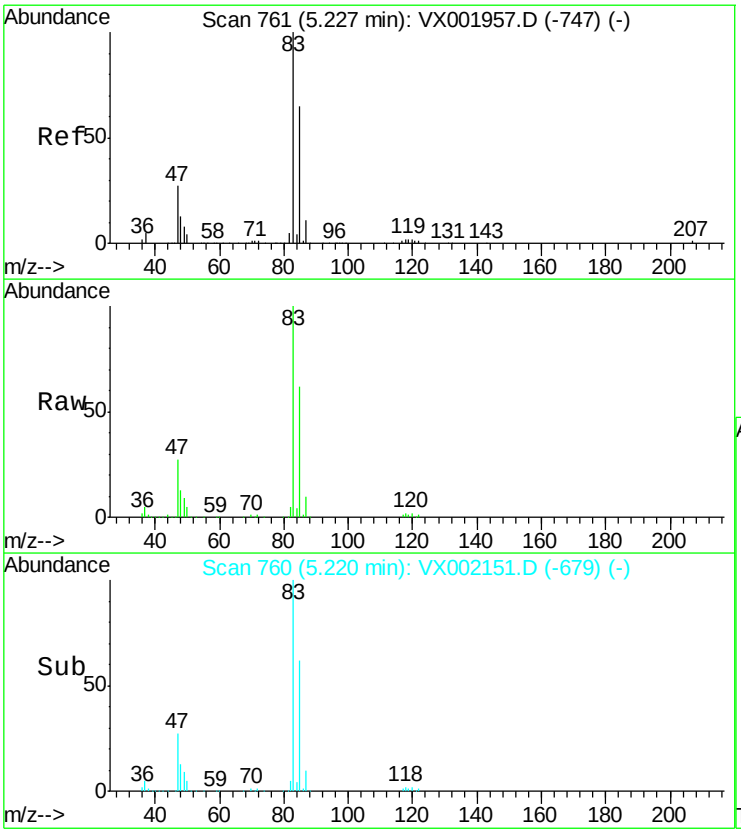
#18
Methylene Chloride
Concen: 1.03 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion: 84 Resp: 2040

Ion	Ratio	Lower	Upper
84	100		
49	115.5	104.7	157.1
51	38.2	31.0	46.4
86	61.1	50.8	76.2

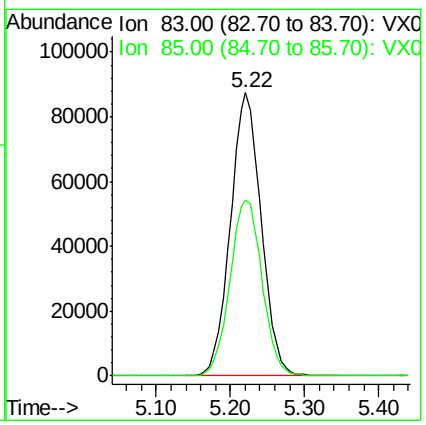


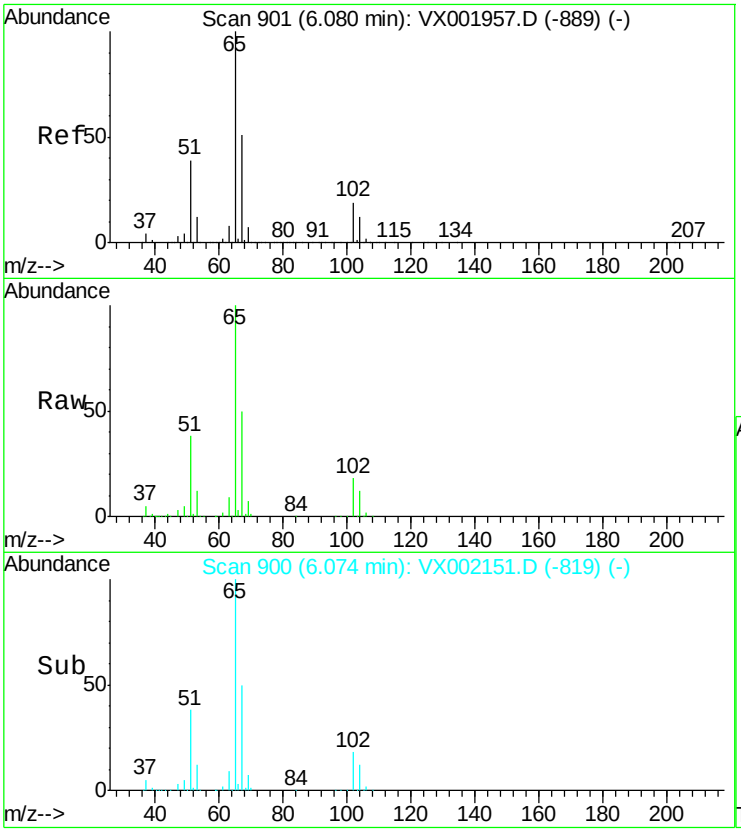


#25
Chloroform
Concen: 65.18 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 83 Resp: 253413

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.9	77.9



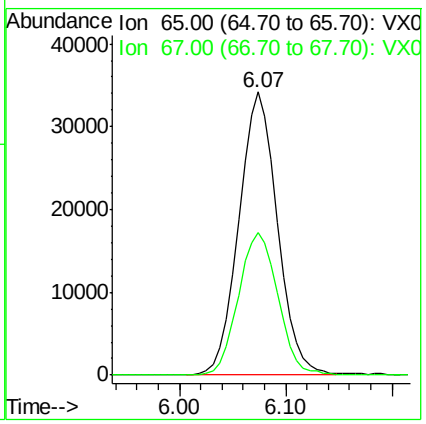


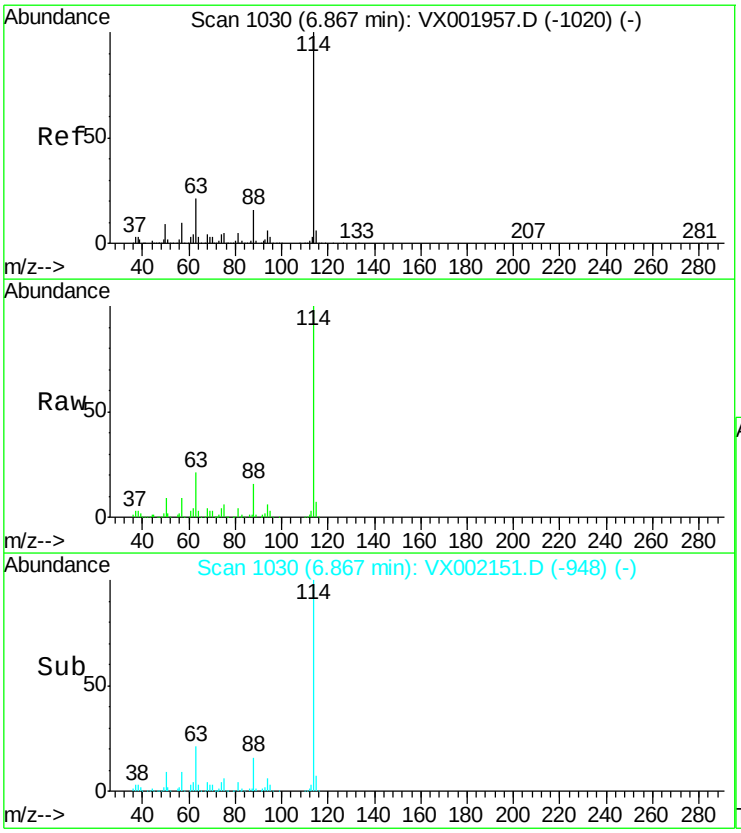
#27
1,2-Dichloroethane-d4
Concen: 31.14 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion: 65 Resp: 86824

Ion	Ratio	Lower	Upper
65	100		
67	51.7	40.9	61.3

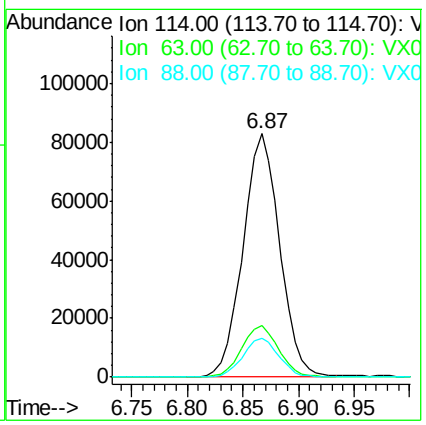


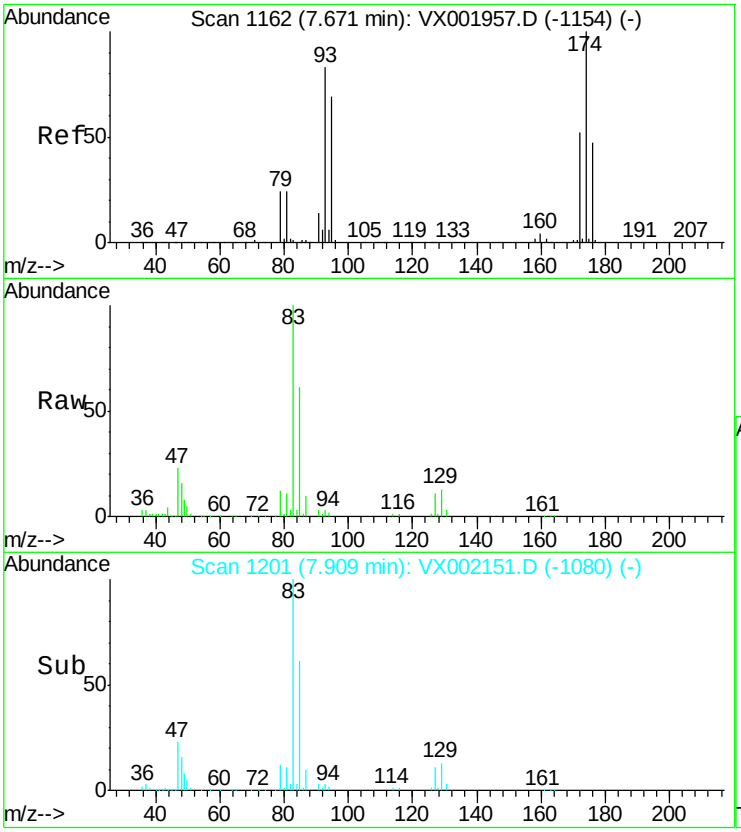


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion:114 Resp: 190322

Ion	Ratio	Lower	Upper
114	100		
63	21.4	17.1	25.7
88	15.8	12.6	19.0



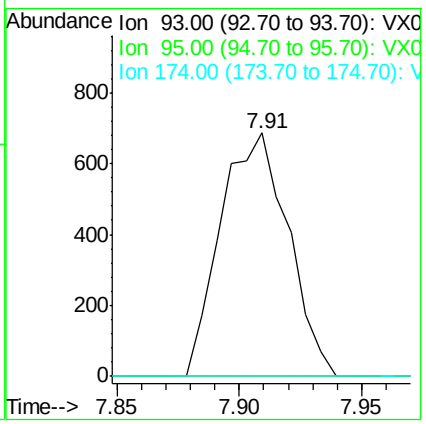


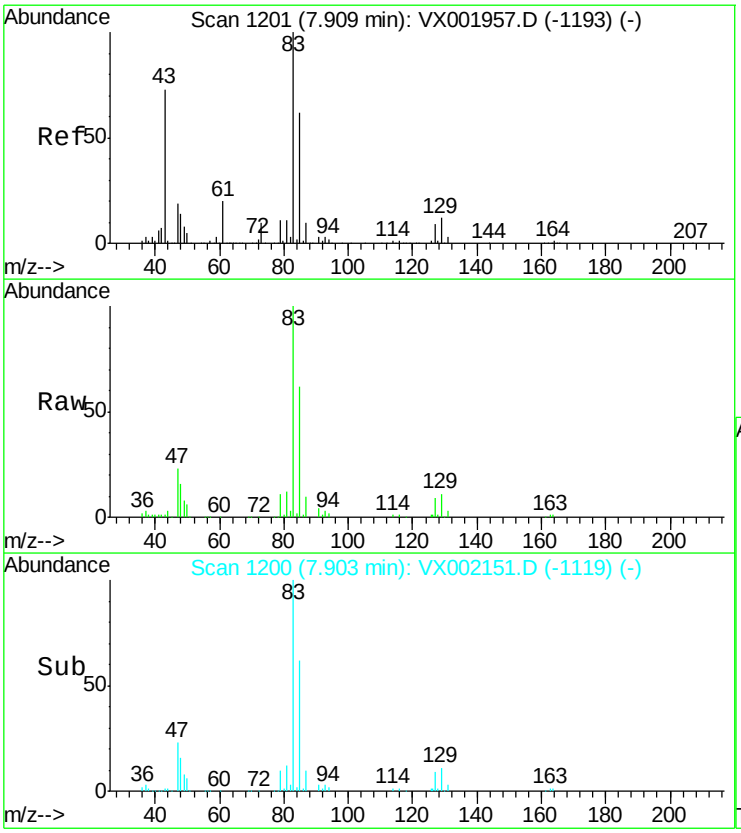
#40
Dibromomethane
Concen: 0.90 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. 0.24 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion: 93 Resp: 1320

Ion	Ratio	Lower	Upper
93	100		
95	0.0	0.0	162.6
174	0.0	0.0	229.4

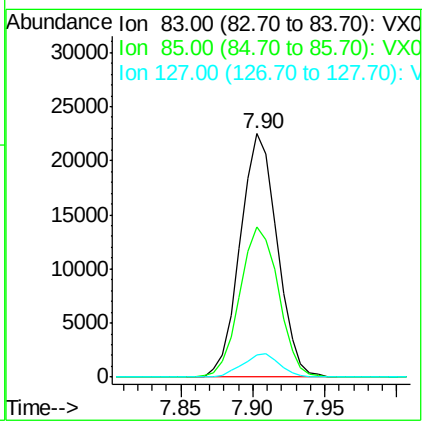


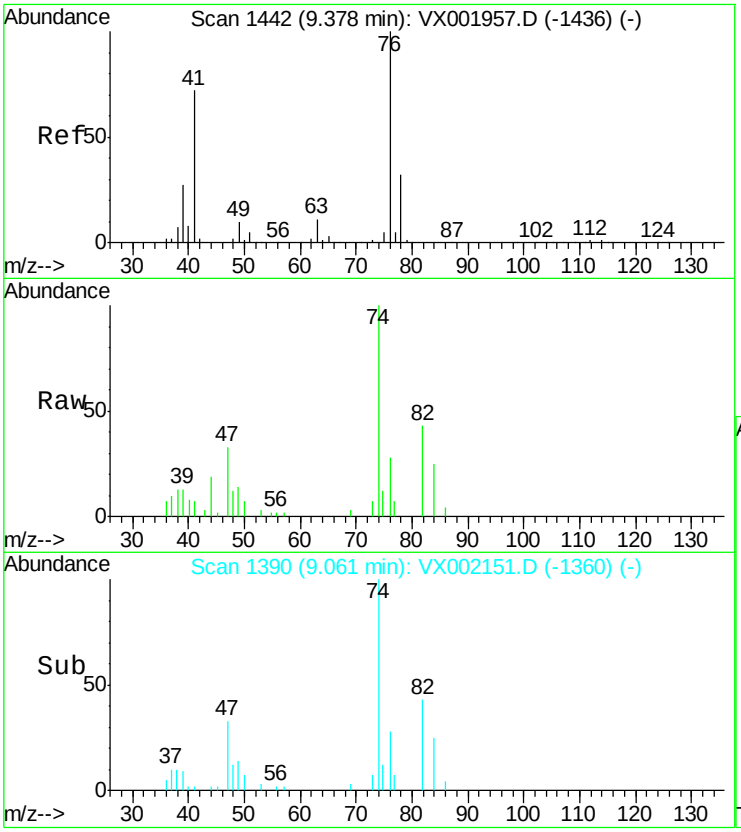


#41
Bromodichloromethane
Concen: 13.21 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 83 Resp: 39984

Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.8	74.8
127	9.1	7.3	10.9



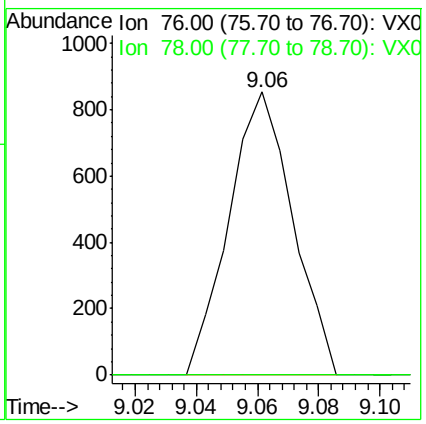


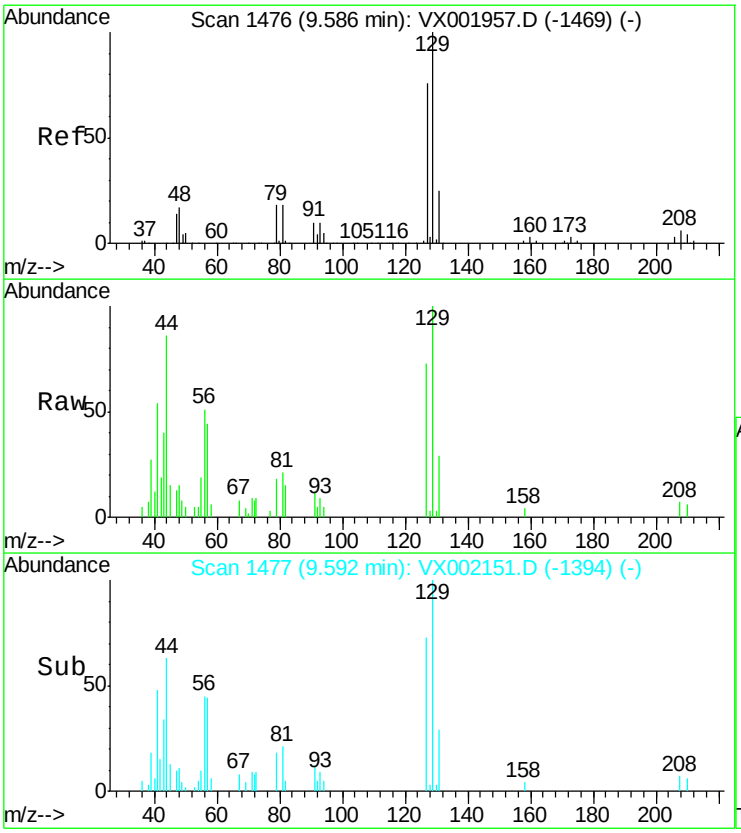
#52
1,3-Dichloropropane
Concen: 0.35 ug/l
RT: 9.06 min Scan# 1390
Delta R.T. -0.32 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument : MSVOA_X
ClientSampleId : 14B-4

Tgt Ion: 76 Resp: 1236

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	63.4

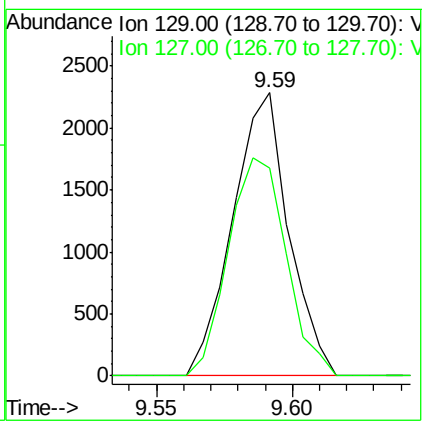


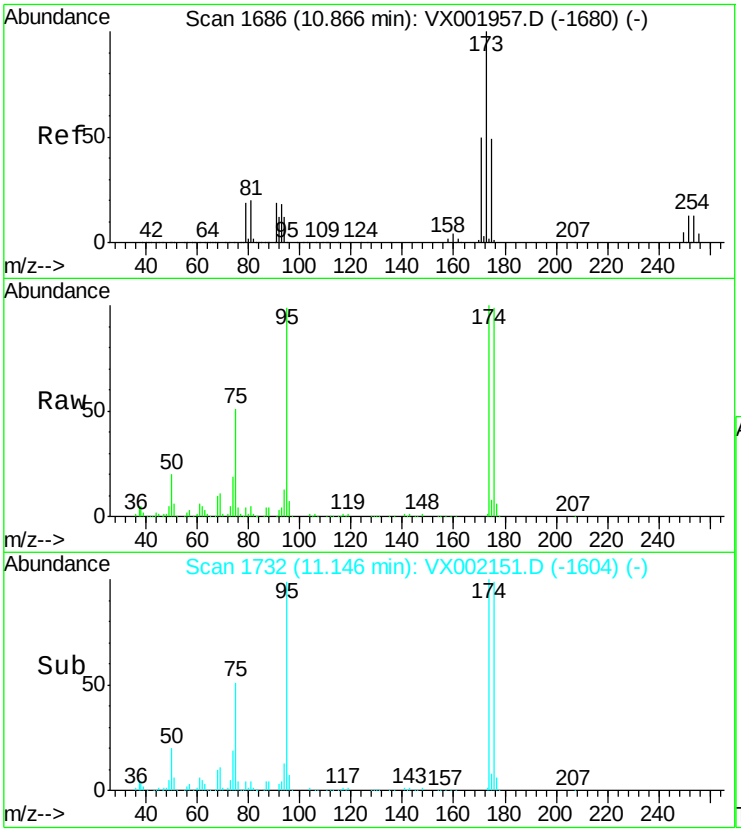


#53
Dibromochloromethane
Concen: 1.28 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion:129 Resp: 3267

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.5	115.3



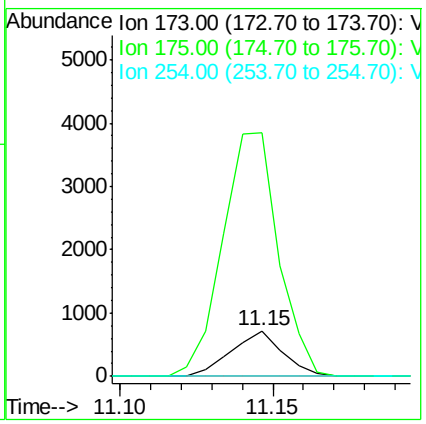


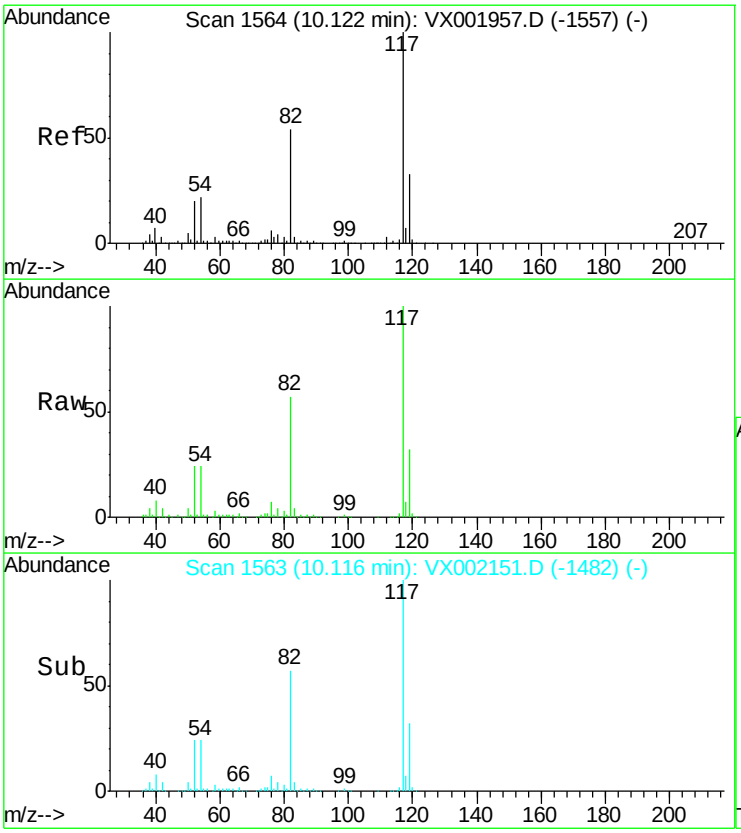
#56
Bromoform
Concen: 0.38 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.28 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion:173 Resp: 849

Ion	Ratio	Lower	Upper
173	100		
175	572.4	39.0	58.4#
254	0.0	9.6	14.4#

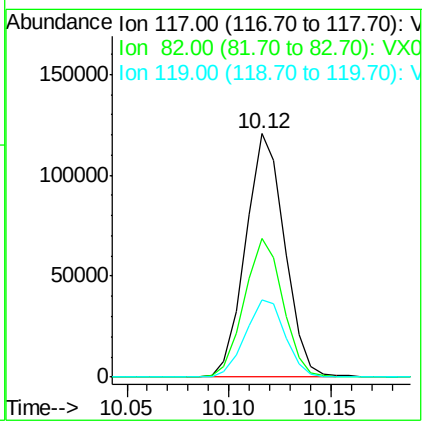


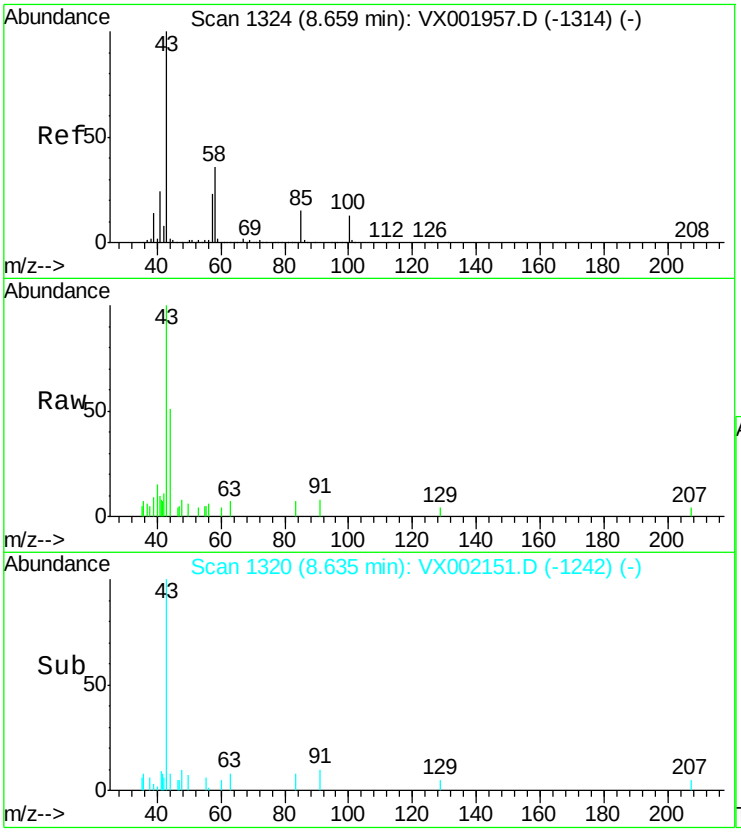


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion:117 Resp: 160663

Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.3	66.5
119	32.2	25.7	38.5



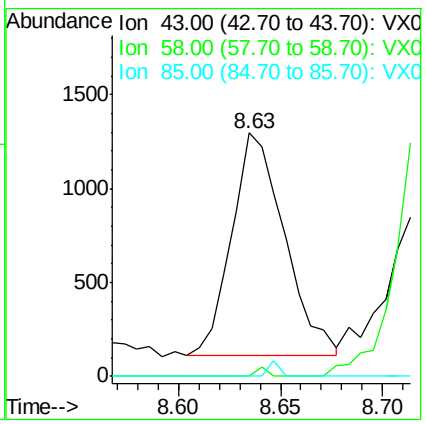


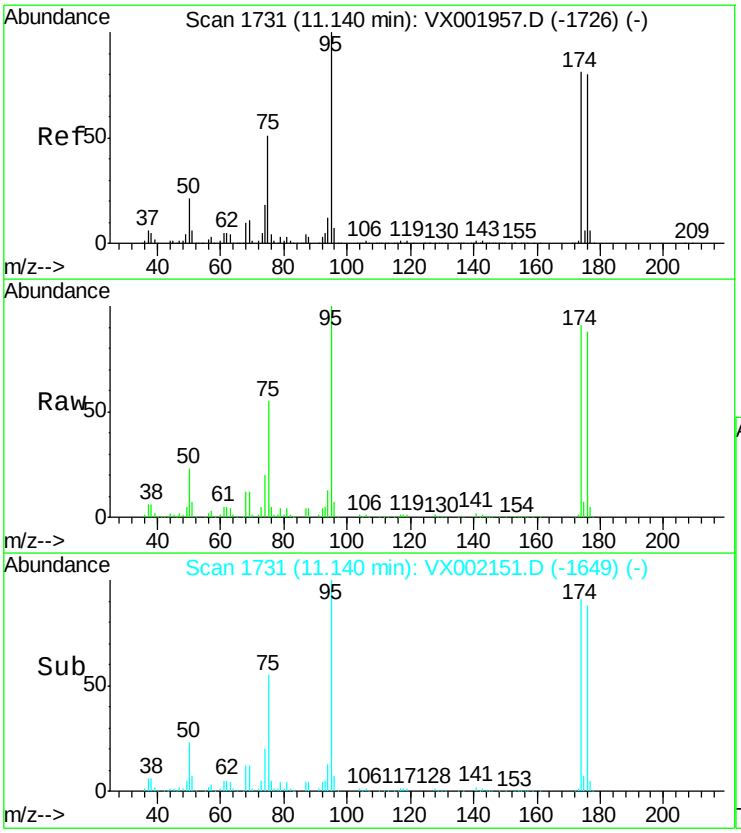
#58
4-Methyl-2-Pentanone
Concen: 0.61 ug/l
RT: 8.63 min Scan# 1320
Delta R.T. -0.02 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion: 43 Resp: 2124

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.4#
85	0.0	12.4	18.6#

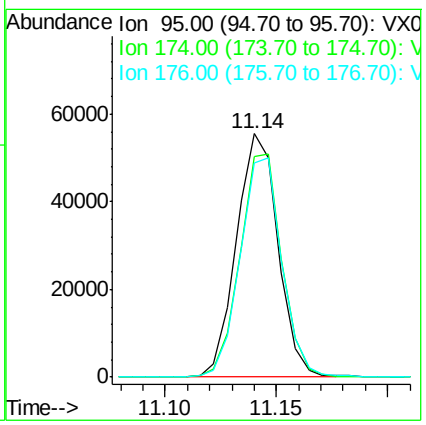


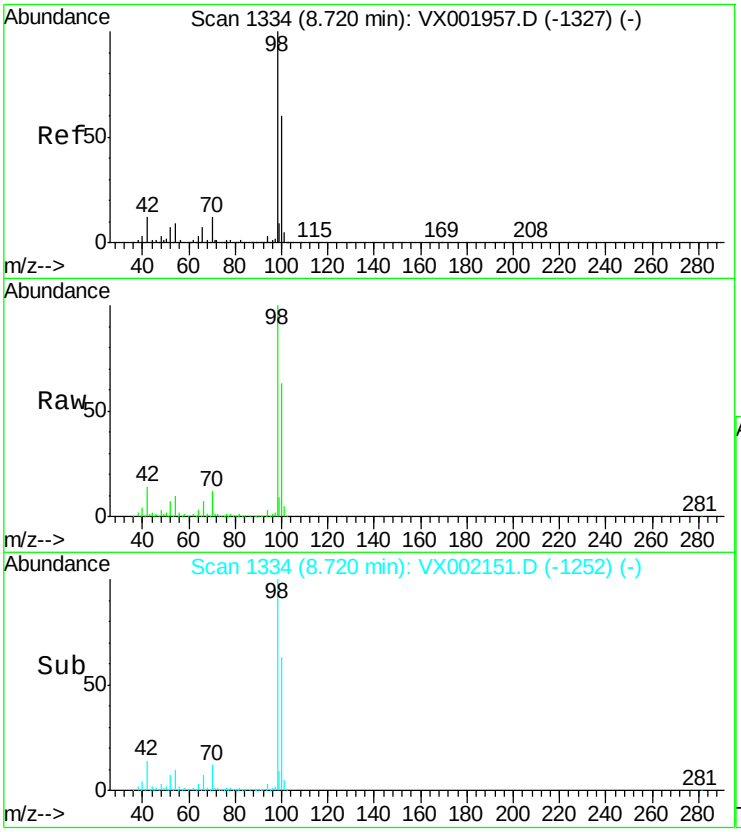


#60
4-Bromofluorobenzene
Concen: 26.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 95 Resp: 72220

Ion	Ratio	Lower	Upper
95	100		
174	92.4	71.8	107.6
176	90.3	70.1	105.1



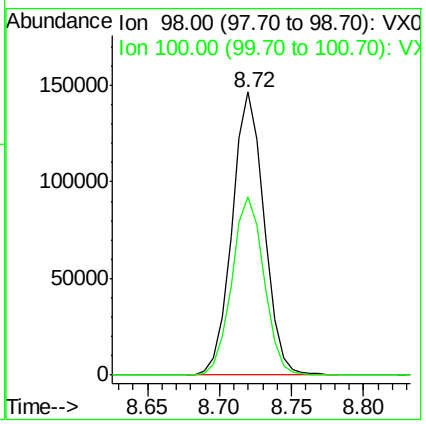


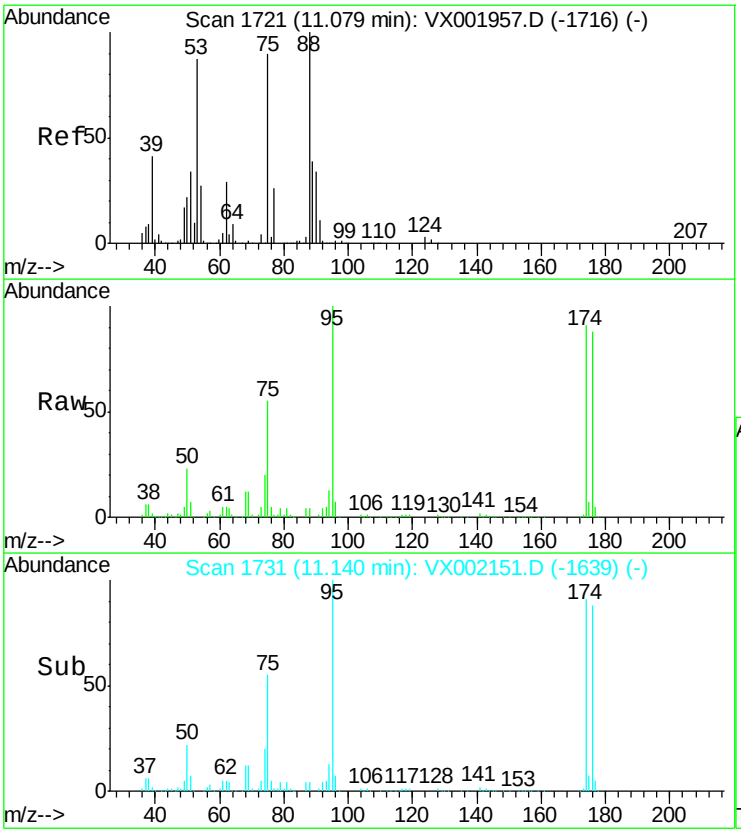
#63
Toluene-d8
Concen: 31.73 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Instrument : MSVOA_X
ClientSampleId : 14B-4

Tgt Ion: 98 Resp: 227209

Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.8	76.2





#77
t-1,4-Dichloro-2-butene
Concen: 38.65 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002151.D
Acq: 30 May 2018 21:45

Tgt Ion: 75 Resp: 38804

Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.3	144.9#
89	0.0	21.8	65.4#