Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053118\

Quantitation Report (Not Reviewed)

Data File : VX002192.D
Acq On : 31 May 2018 22:36
Operator : JC/MD
Sample : J3212-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BFB

Quant Time: Jun 01 03:47:58 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	50549	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.87	114	284681	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.12	117	248128	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.07	65	124773	31.37	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 104.57%				
60) 4-Bromofluorobenzene	11.14	95	114190	26.88	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 89.60%				
63) Toluene-d8	8.72	98	338789	30.63	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 102.10%				
Target Compounds							Qvalue
3) Chloromethane	1.33	50	802	0.25	ug/l		93
5) Bromomethane	1.65	94	672	0.38	ug/l		81
11) Methyl Iodide	2.52	142	2496	0.63	ug/l		86
13) Acrolein	2.30	56	563	1.62	ug/l		87
14) Acrylonitrile	3.16	53	339	0.20	ug/l	#	39
15) Acetone	2.45	58	1703	3.81	ug/l		80
18) Methylene Chloride	2.86	84	1954	0.69	ug/l	#	82
23) tert-Butyl Alcohol	3.08	59	245	0.28	ug/l	#	58
25) Chloroform	5.22	83	324626	58.52	ug/l		97
41) Bromodichloromethane	7.90	83	48997	10.82	ug/l		98
52) 1,3-Dichloropropane	9.06	76	1511	0.29	ug/l		50
53) Dibromochloromethane	9.59	129	3878	1.01	ug/l		97
56) Bromoform	11.14	173	1264	0.38	ug/l	#	1
58) 4-Methyl-2-Pentanone	8.64	43	2850	0.53	ug/l	#	54
77) t-1,4-Dichloro-2-butene	11.14	75	62352	40.22	ug/l	#	11

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

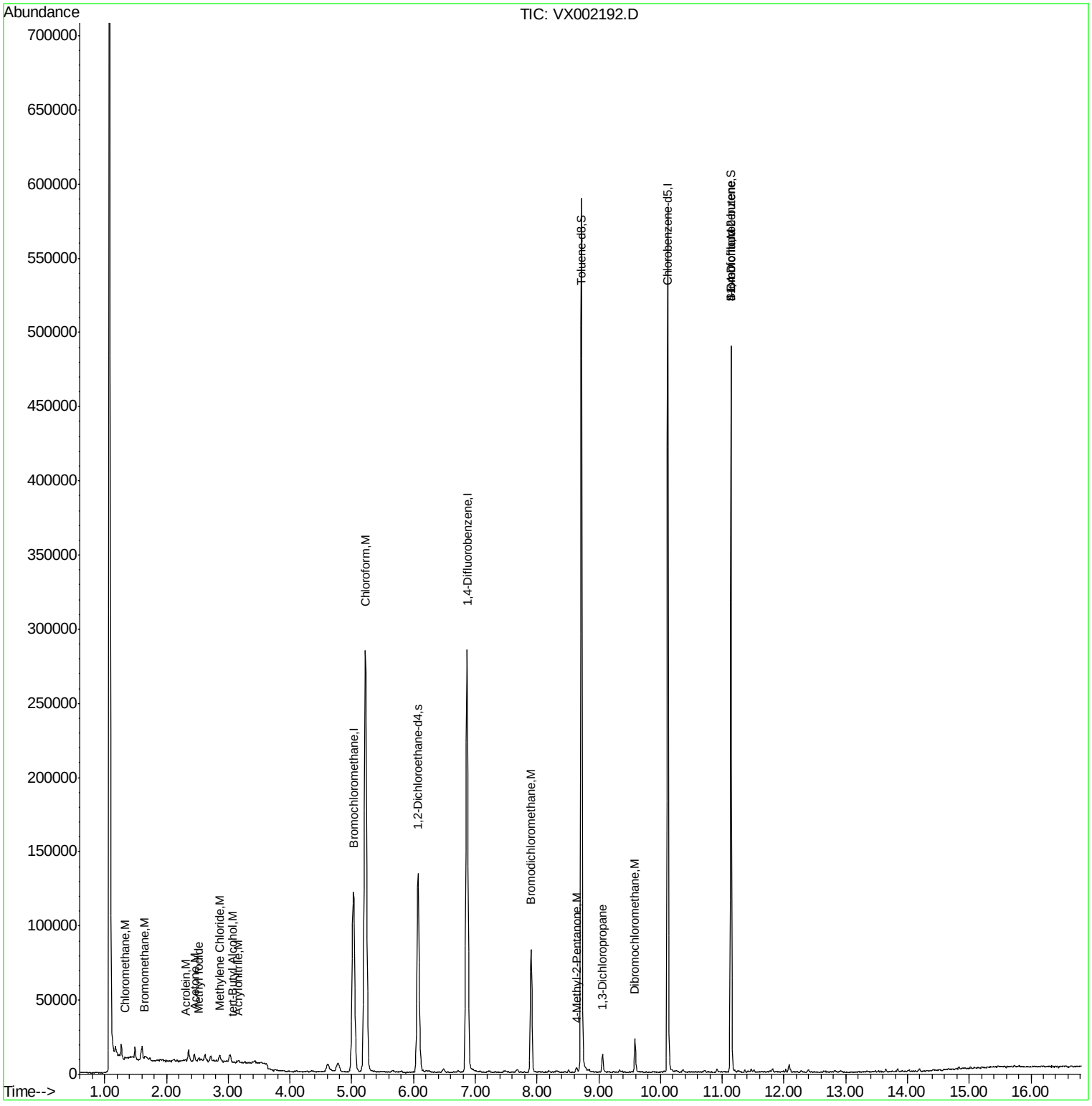
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053118\

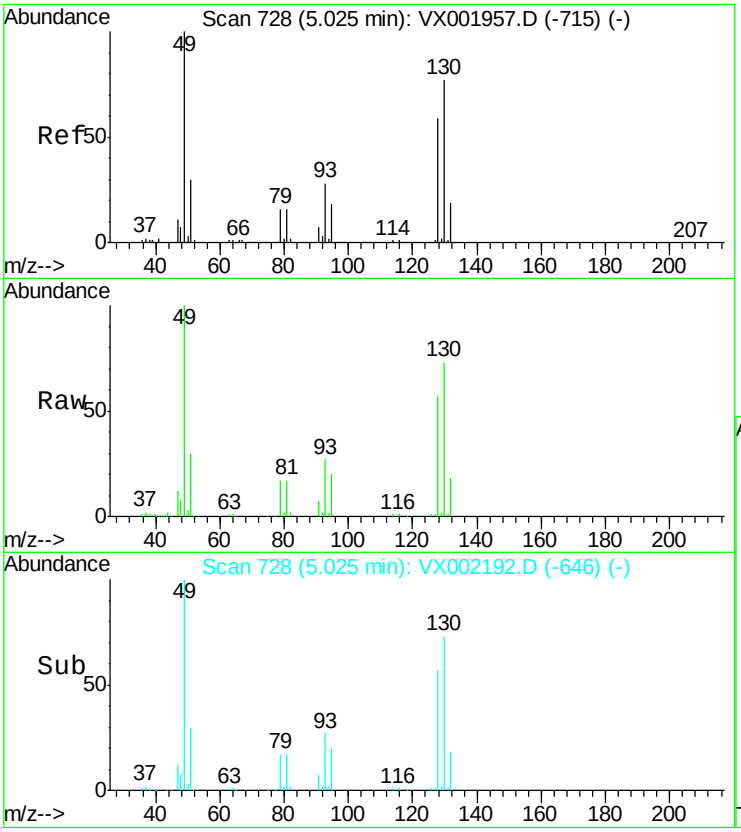
Quantitation Report (Not Reviewed)

Data File : VX002192.D
Acq On : 31 May 2018 22:36
Operator : JC/MD
Sample : J3212-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Quant Time: Jun 01 03:47:58 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



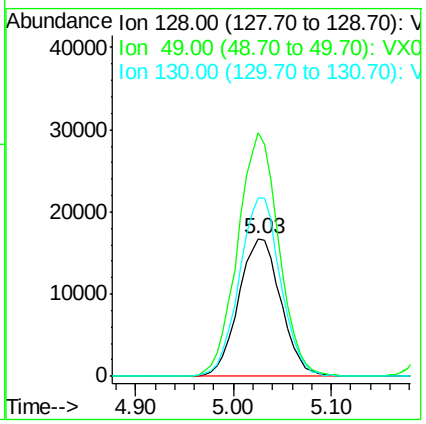


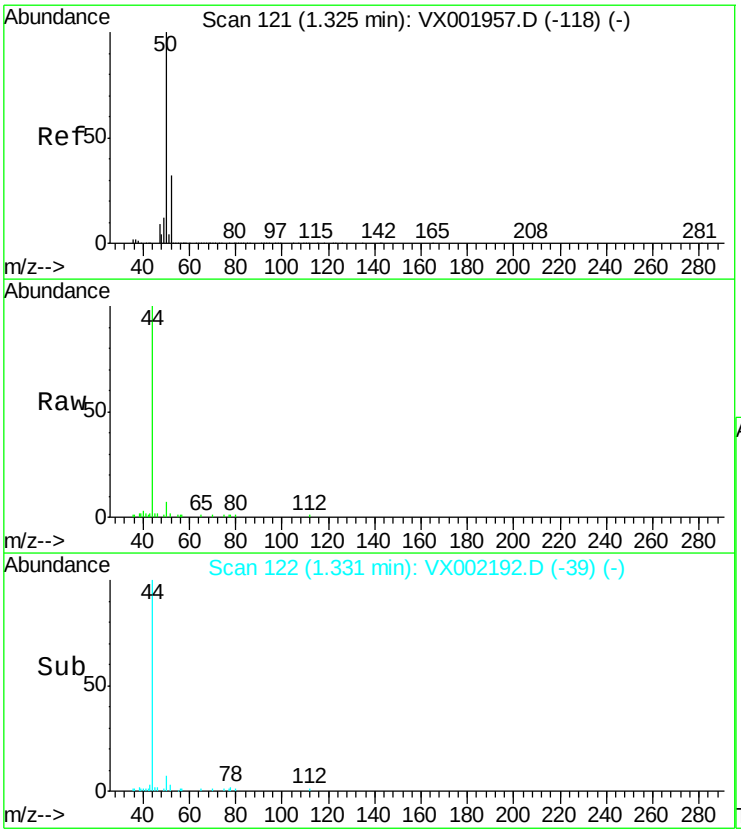
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion:128 Resp: 50549

Ion	Ratio	Lower	Upper
128	100		
49	171.5	0.0	423.0
130	126.4	0.0	324.3

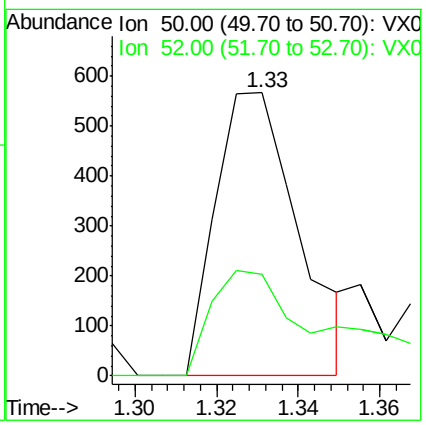


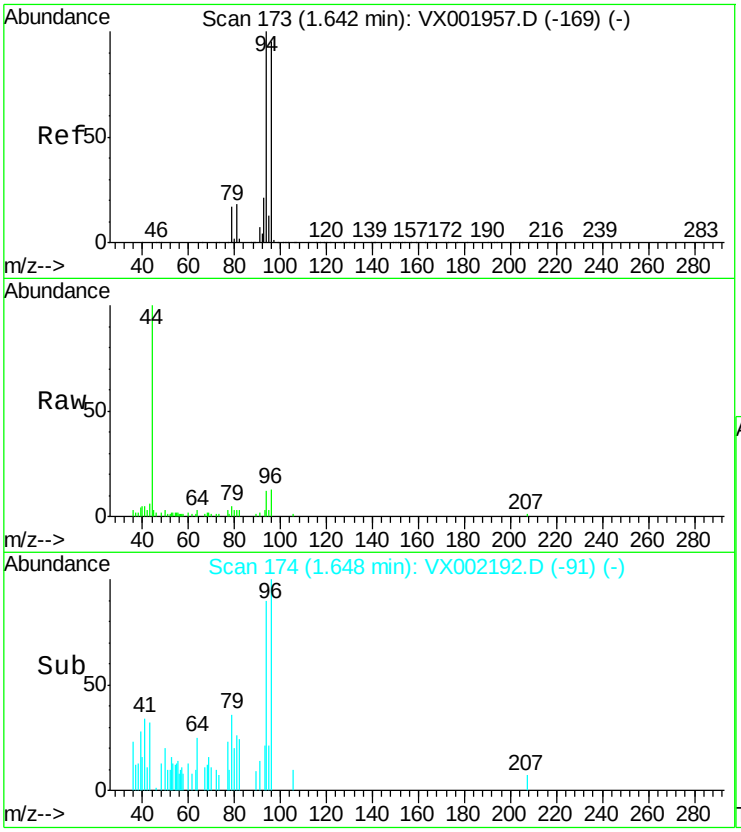


#3
Chloromethane
Concen: 0.25 ug/l
RT: 1.33 min Scan# 122
Delta R.T. 0.01 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion: 50 Resp: 802

Ion	Ratio	Lower	Upper
50	100		
52	35.8	25.6	38.4



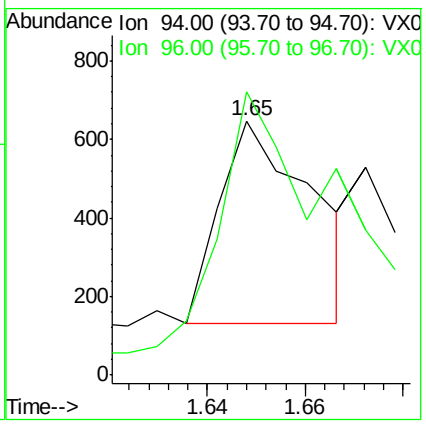


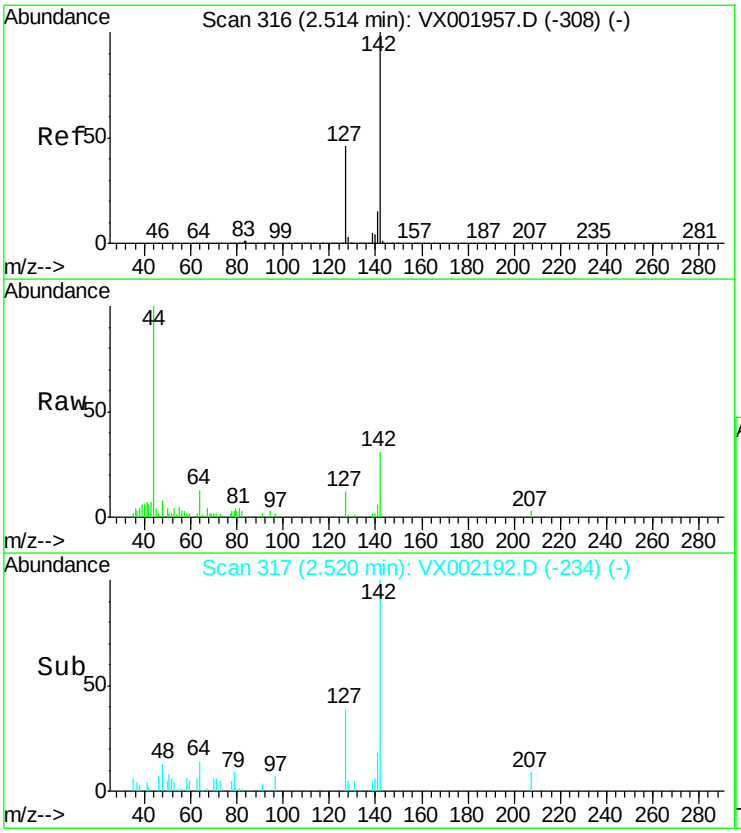
#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 94 Resp: 672

Ion	Ratio	Lower	Upper
94	100		
96	113.2	75.7	113.5

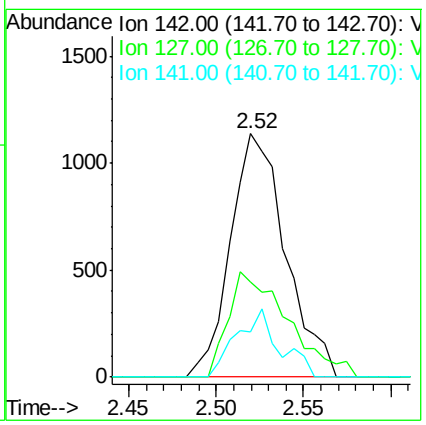


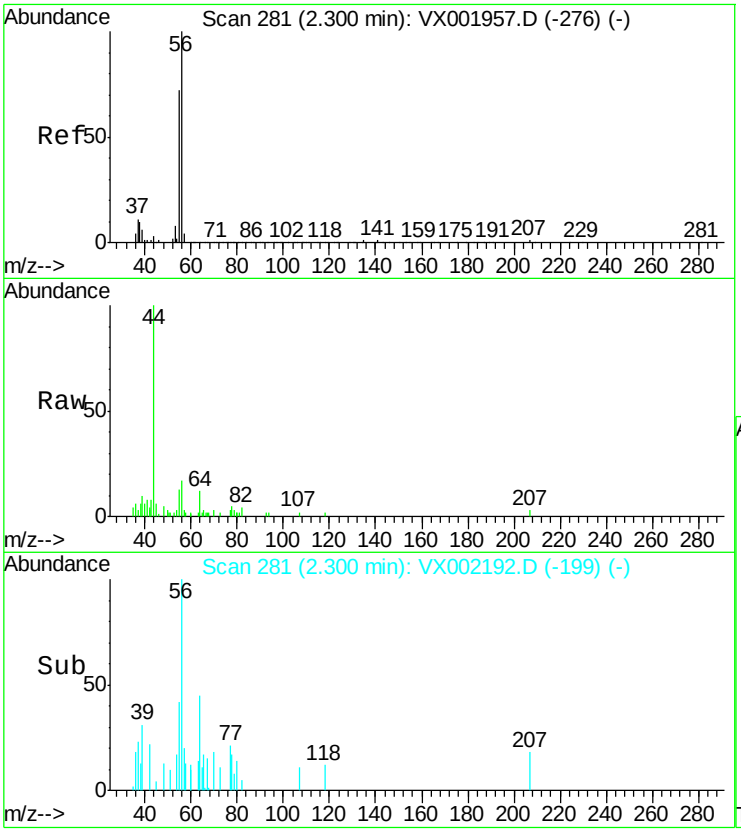


#11
Methyl Iodide
Concen: 0.63 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion:142 Resp: 2496

Ion	Ratio	Lower	Upper
142	100		
127	36.4	23.2	69.6
141	18.4	7.4	22.2



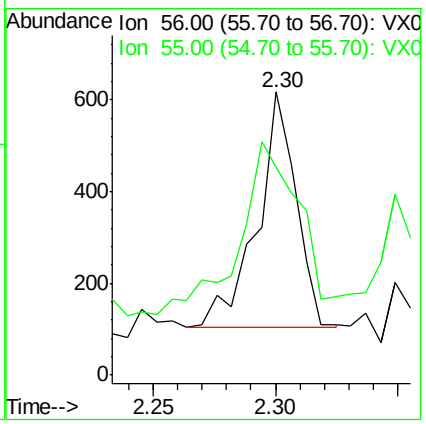


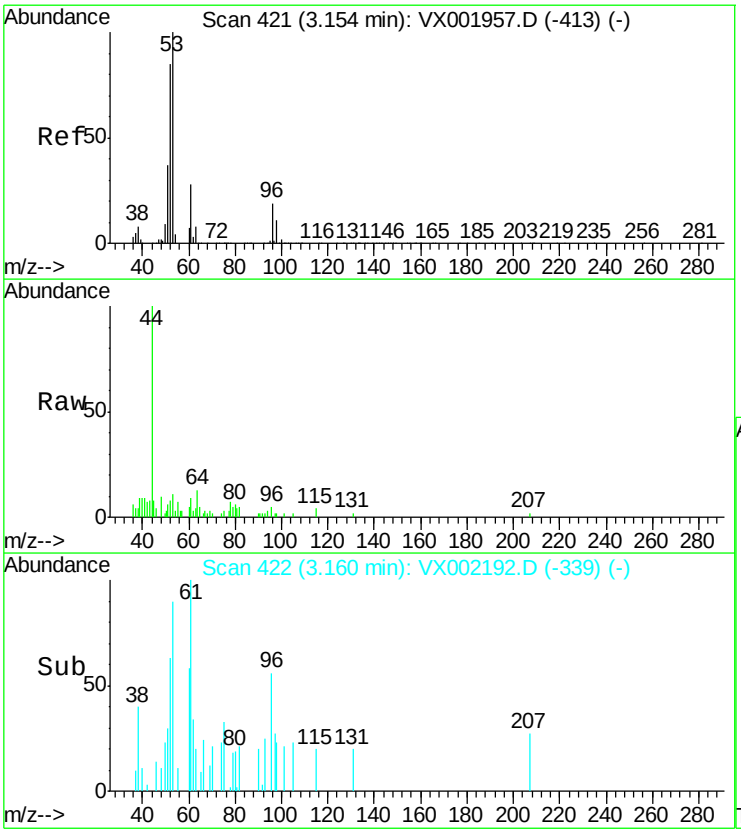
#13
Acrolein
Concen: 1.62 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 56 Resp: 563

Ion	Ratio	Lower	Upper
56	100		
55	82.2	57.3	85.9

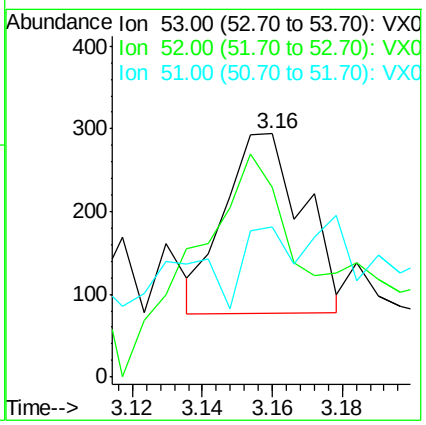


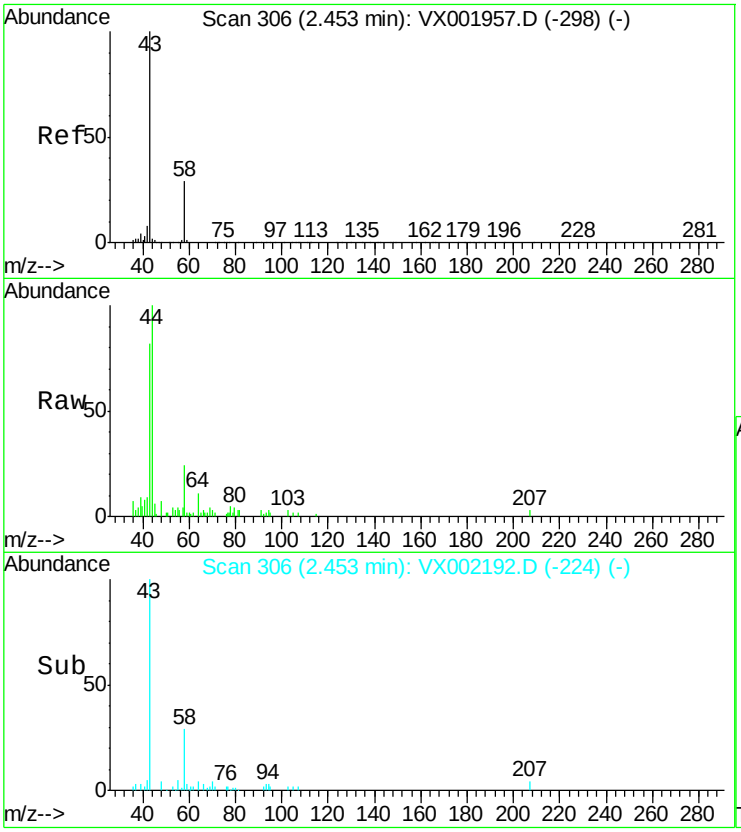


#14
Acrylonitrile
Concen: 0.20 ug/l
RT: 3.16 min Scan# 422
Delta R.T. 0.01 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion: 53 Resp: 339

Ion	Ratio	Lower	Upper
53	100		
52	156.0	41.5	124.6#
51	26.5	17.9	53.8



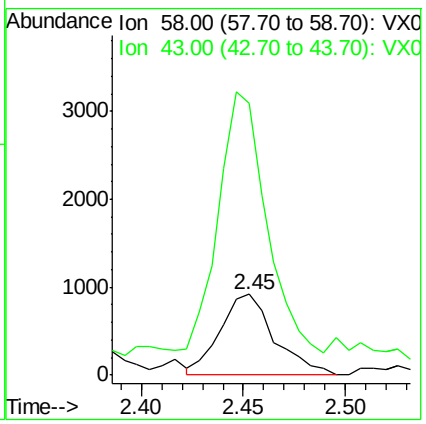


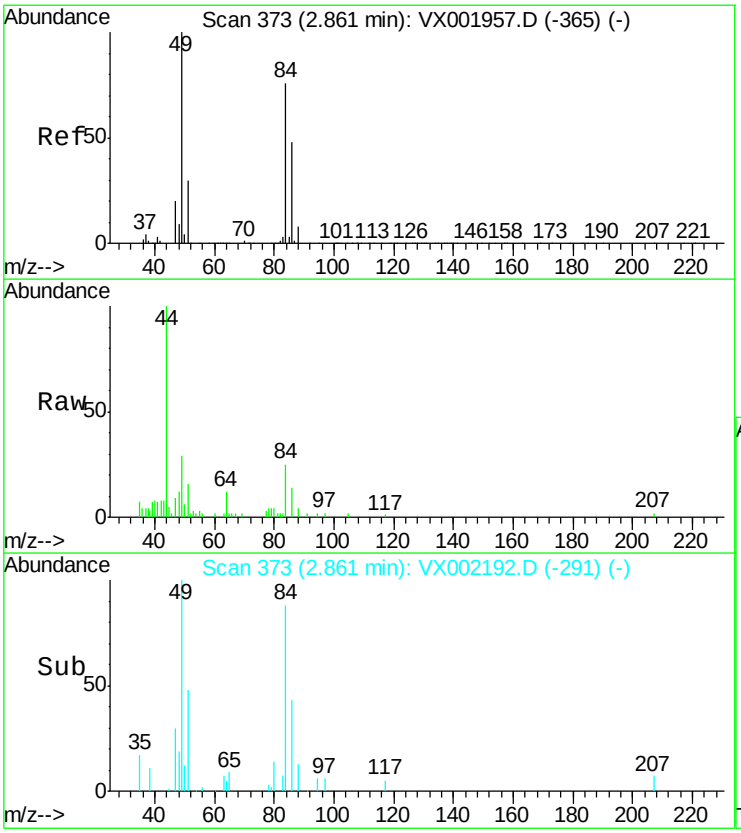
#15
Acetone
Concen: 3.81 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 58 Resp: 1703

Ion	Ratio	Lower	Upper
58	100		
43	304.8	278.8	418.2

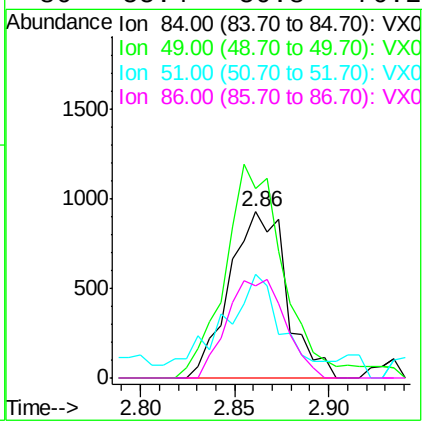


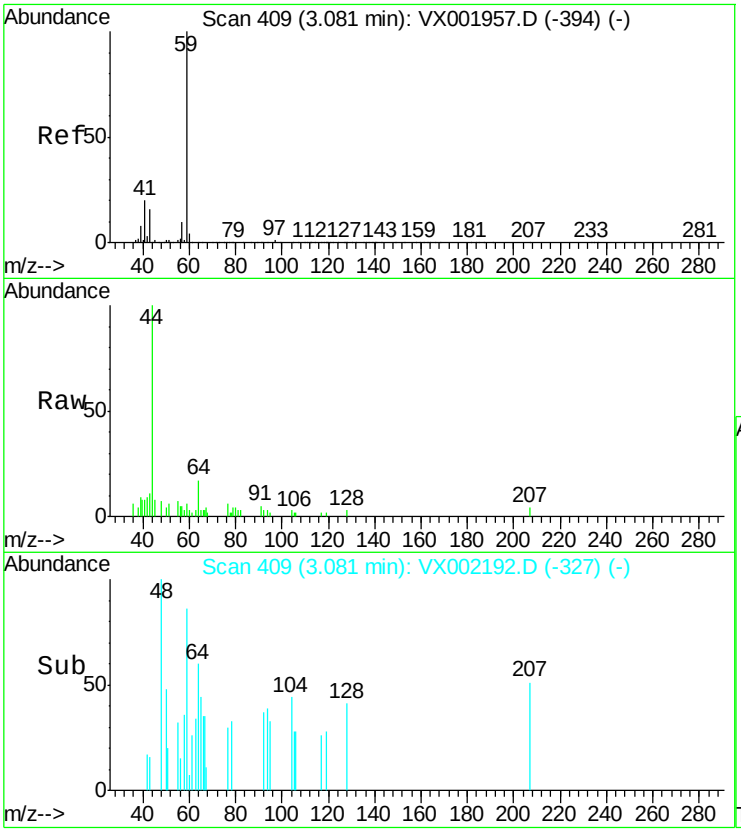


#18
Methylene Chloride
Concen: 0.69 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion: 84 Resp: 1954

Ion	Ratio	Lower	Upper
84	100		
49	107.9	104.7	157.1
51	52.2	31.0	46.4#
86	55.4	50.8	76.2



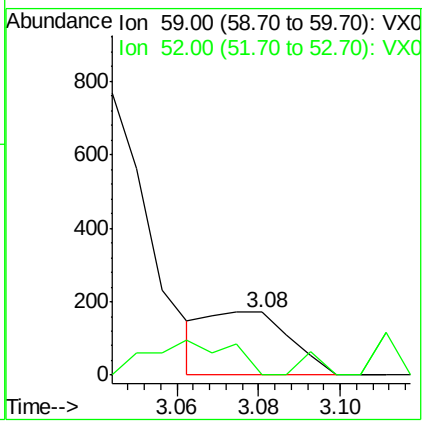


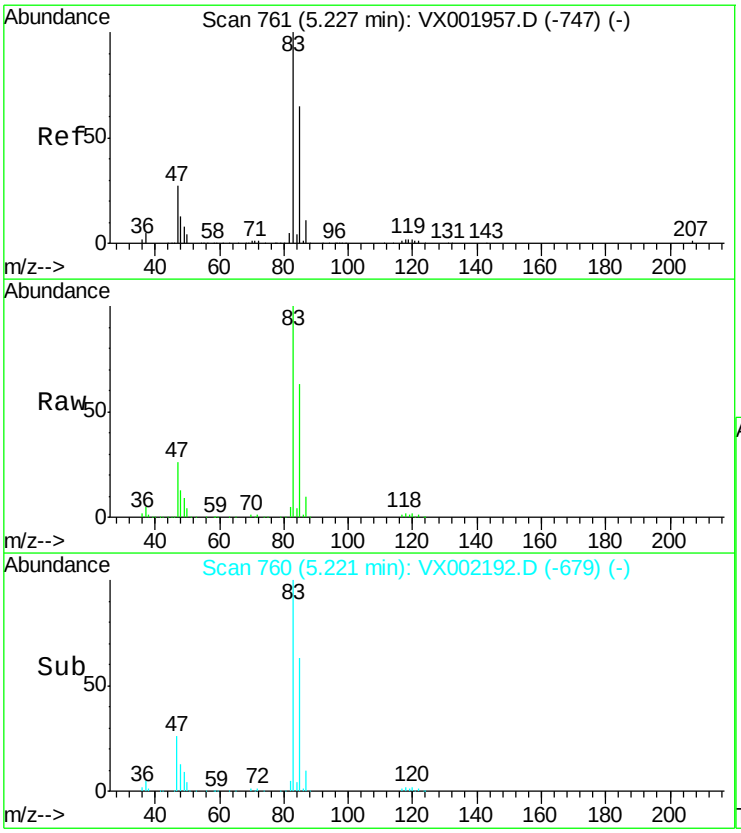
#23
tert-Butyl Alcohol
Concen: 0.28 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 59 Resp: 245

Ion	Ratio	Lower	Upper
59	100		
52	54.3	0.2	0.2#

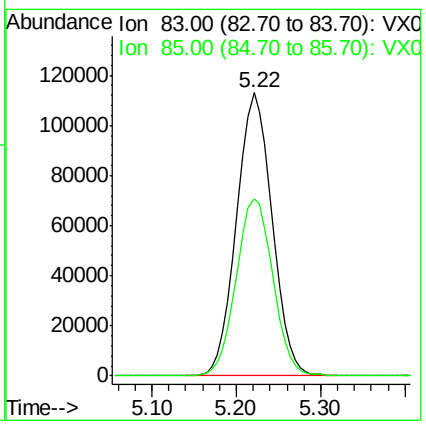


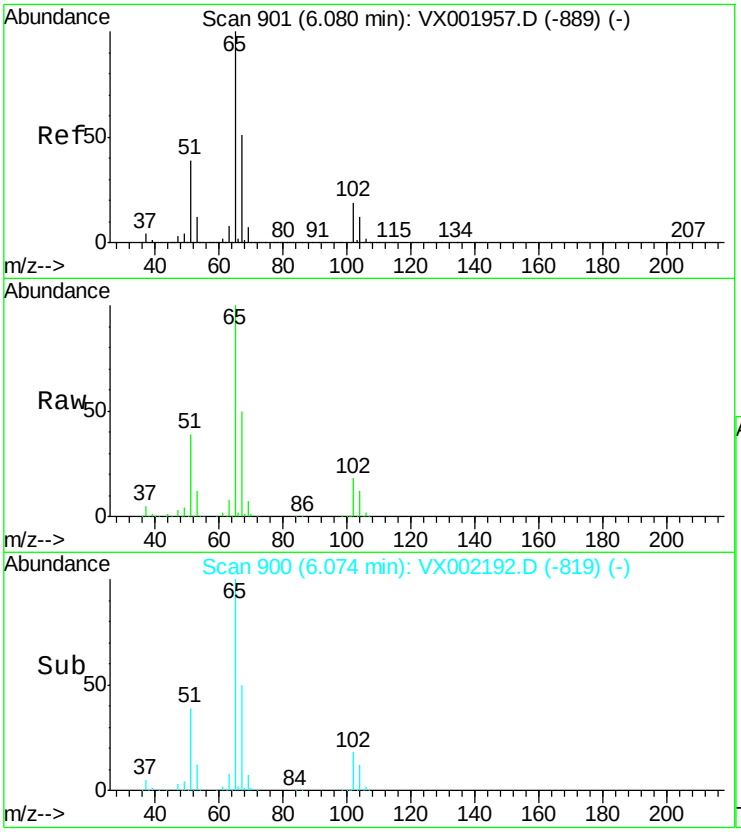


#25
Chloroform
Concen: 58.52 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion: 83 Resp: 324626

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.9	77.9



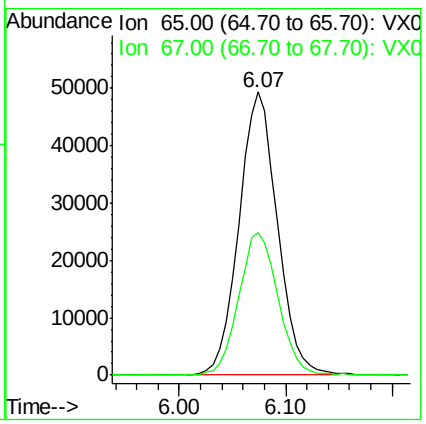


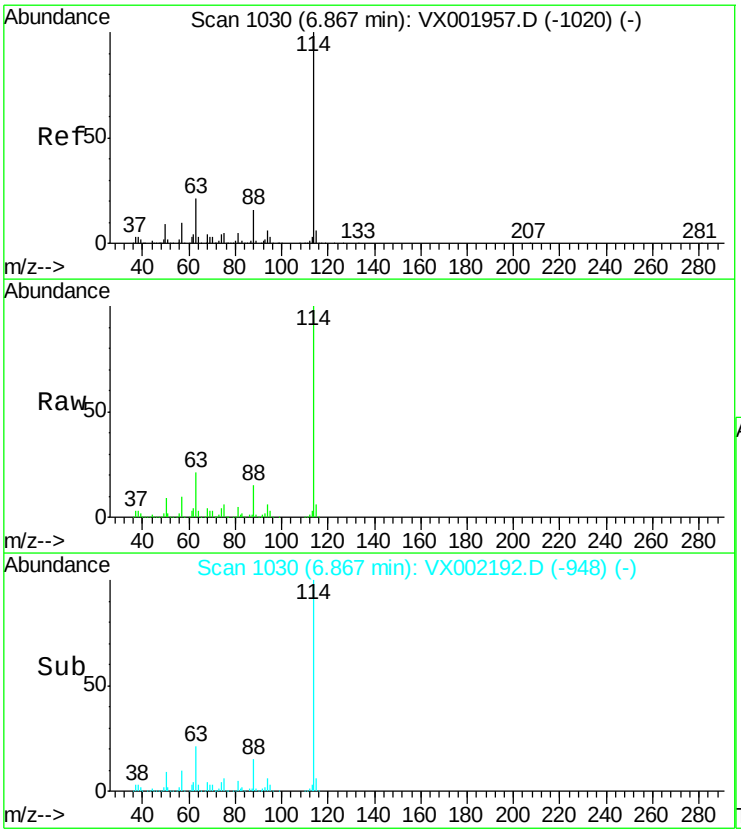
#27
1,2-Dichloroethane-d4
Concen: 31.37 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 65 Resp: 124773

Ion	Ratio	Lower	Upper
65	100		
67	51.4	40.9	61.3

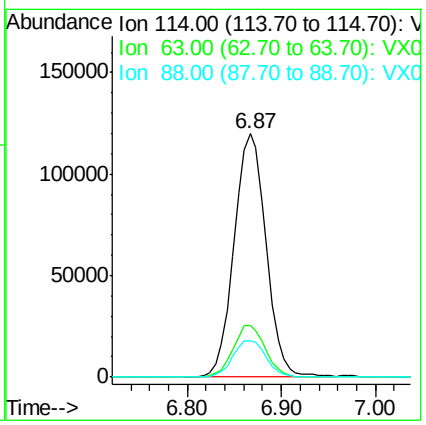


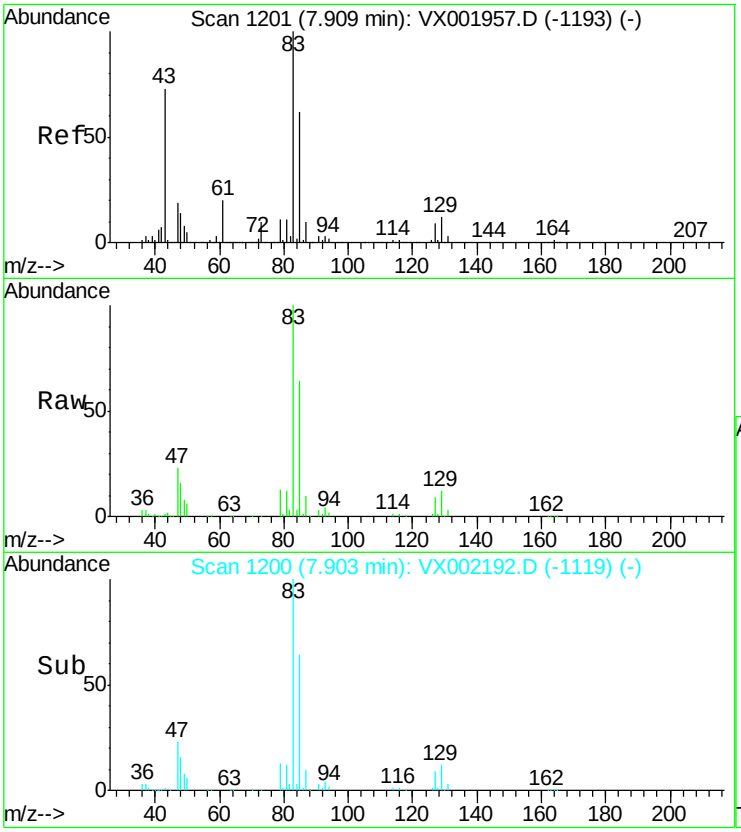


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion:114 Resp: 284681

Ion	Ratio	Lower	Upper
114	100		
63	21.5	17.1	25.7
88	15.6	12.6	19.0



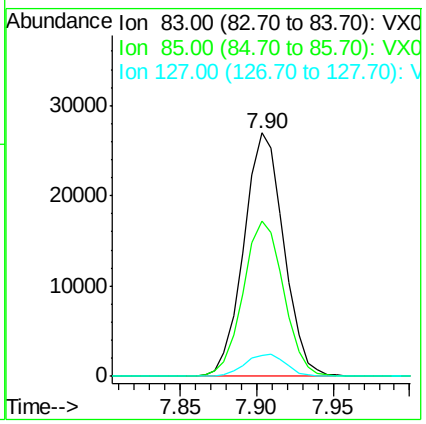


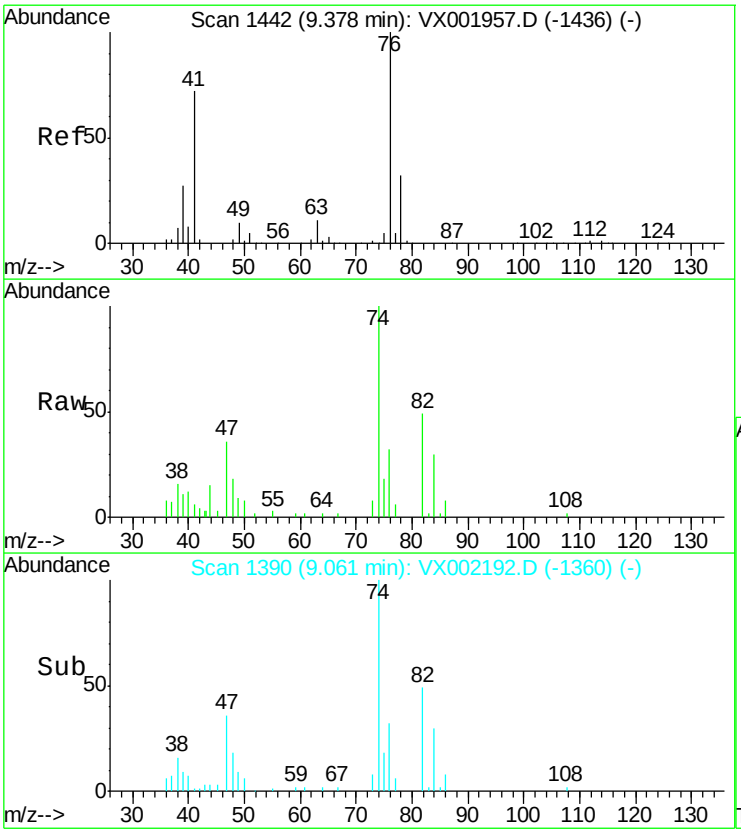
#41
Bromodichloromethane
Concen: 10.82 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 48997

Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.8	74.8
127	8.7	7.3	10.9

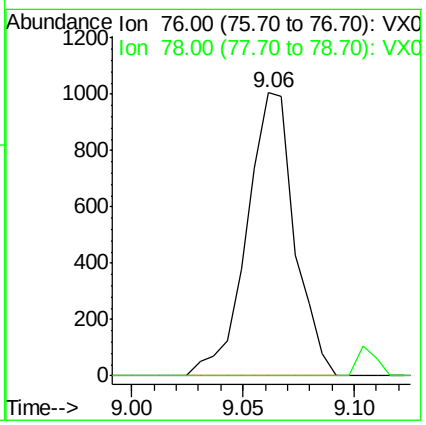


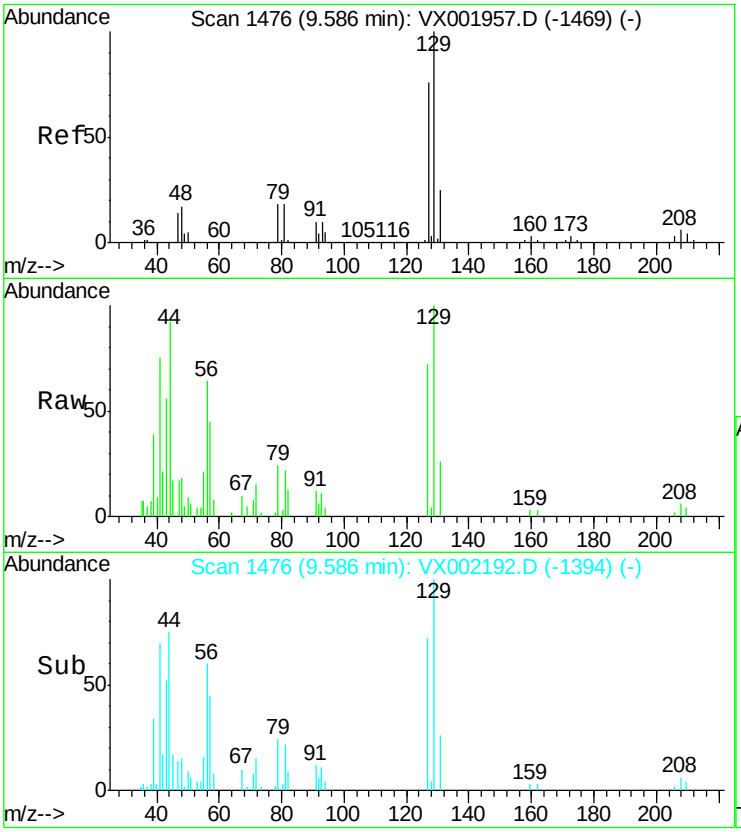


#52
1,3-Dichloropropane
Concen: 0.29 ug/l
RT: 9.06 min Scan# 1390
Delta R.T. -0.32 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion: 76 Resp: 1511

Ion	Ratio	Lower	Upper
76	100		
78	4.0	0.0	63.4



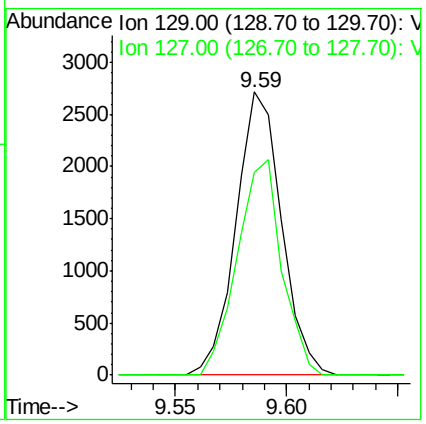


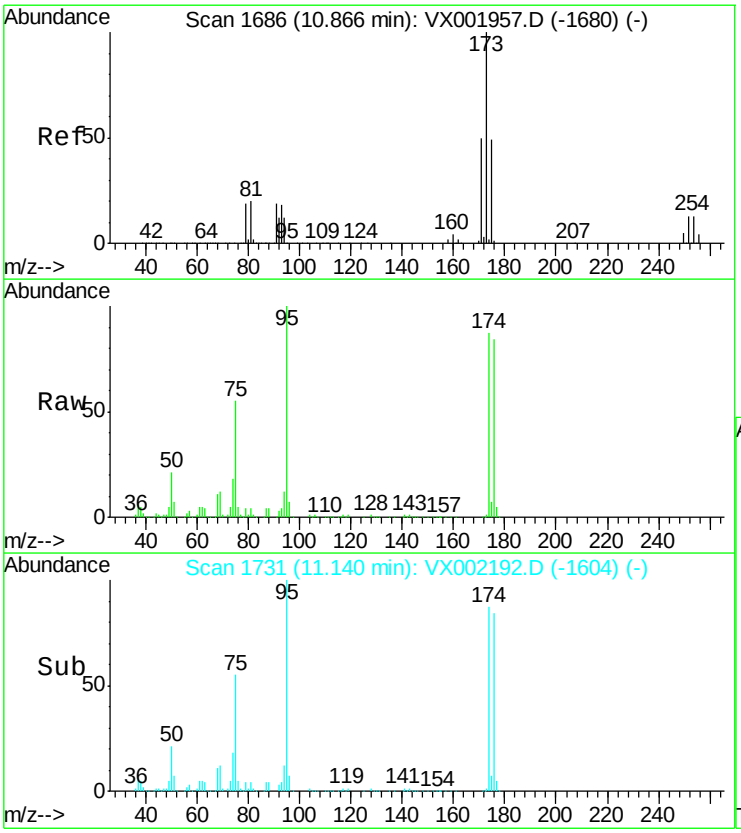
#53
Dibromochloromethane
Concen: 1.01 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion:129 Resp: 3878

Ion	Ratio	Lower	Upper
129	100		
127	74.2	38.5	115.3

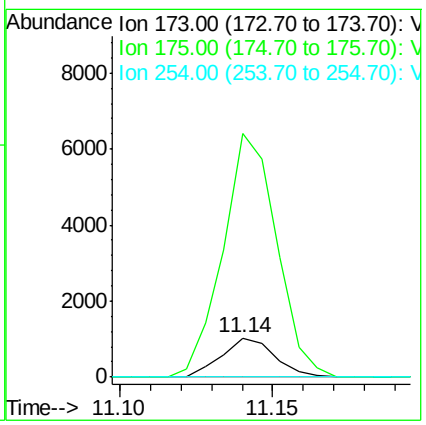


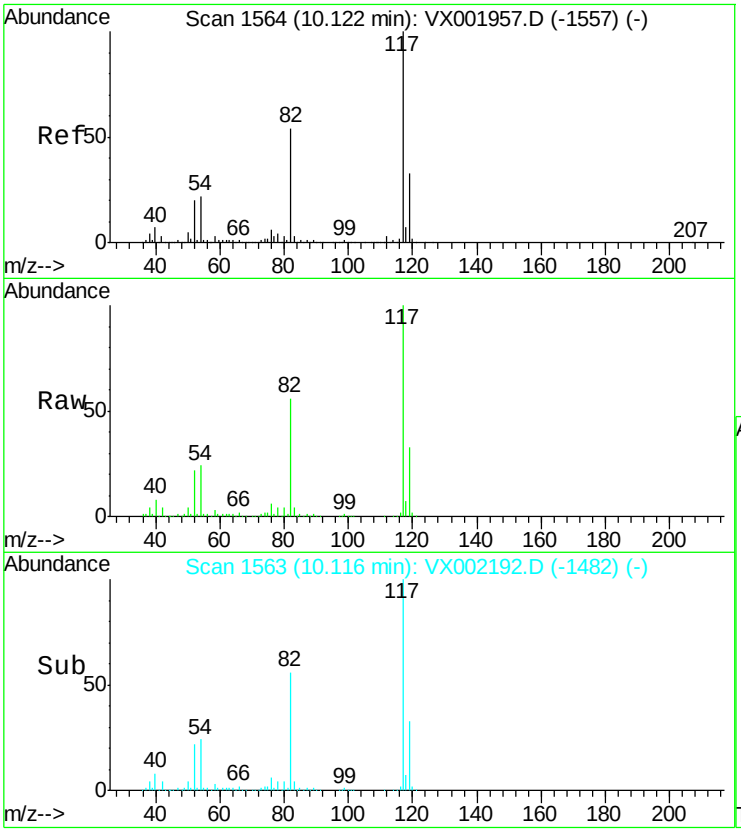


#56
Bromoform
Concen: 0.38 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.27 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion:173 Resp: 1264

Ion	Ratio	Lower	Upper
173	100		
175	616.8	39.0	58.4#
254	0.0	9.6	14.4#



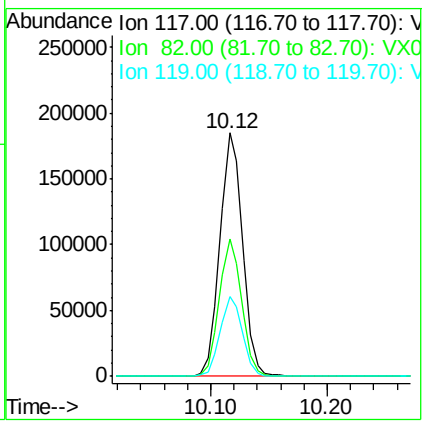


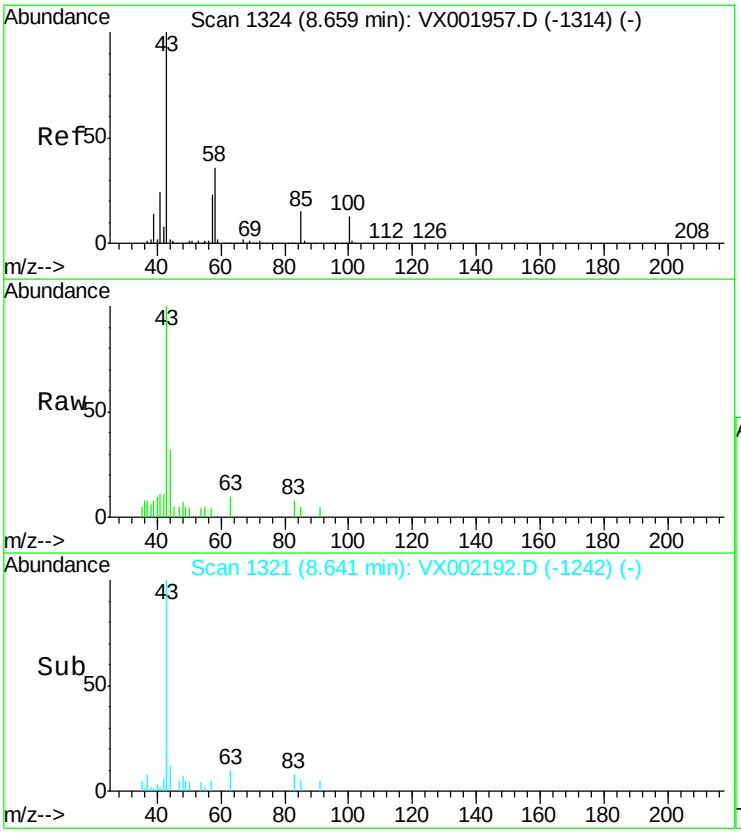
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion:117 Resp: 248128

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.3	66.5
119	32.2	25.7	38.5

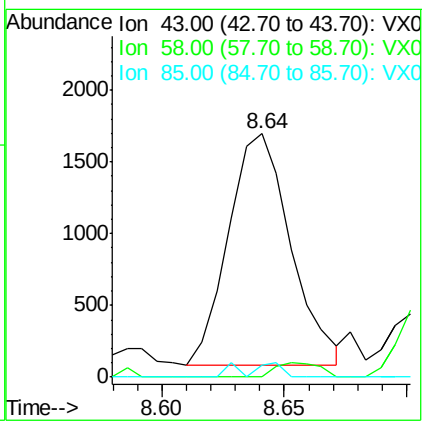


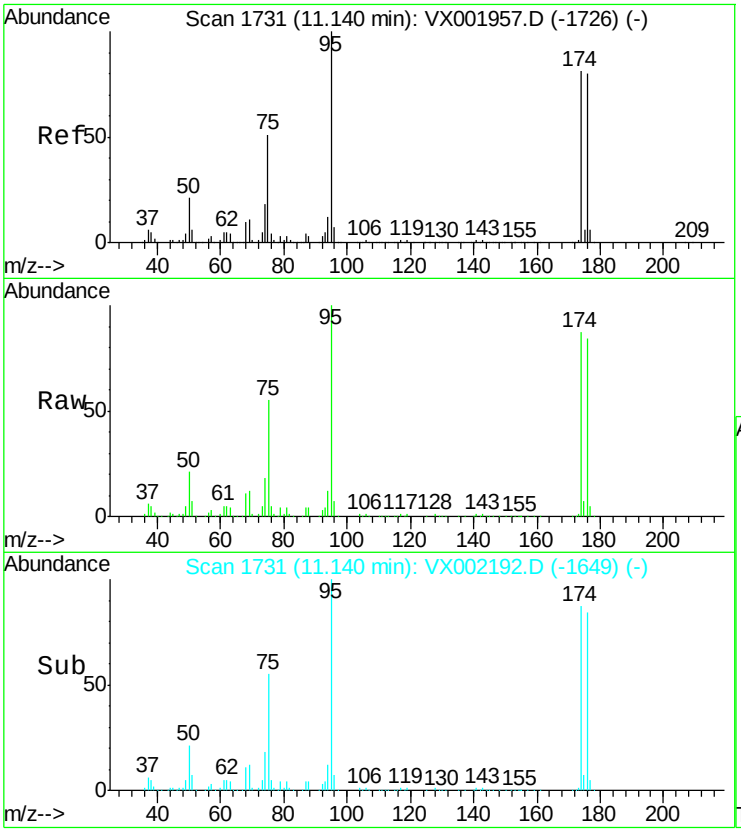


#58
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.64 min Scan# 1321
Delta R.T. -0.02 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion: 43 Resp: 2850

Ion	Ratio	Lower	Upper
43	100		
58	4.4	28.2	42.4#
85	2.4	12.4	18.6#



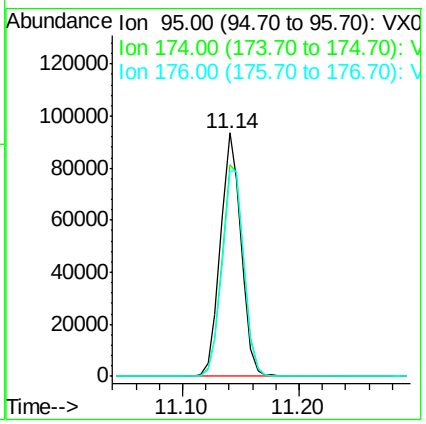


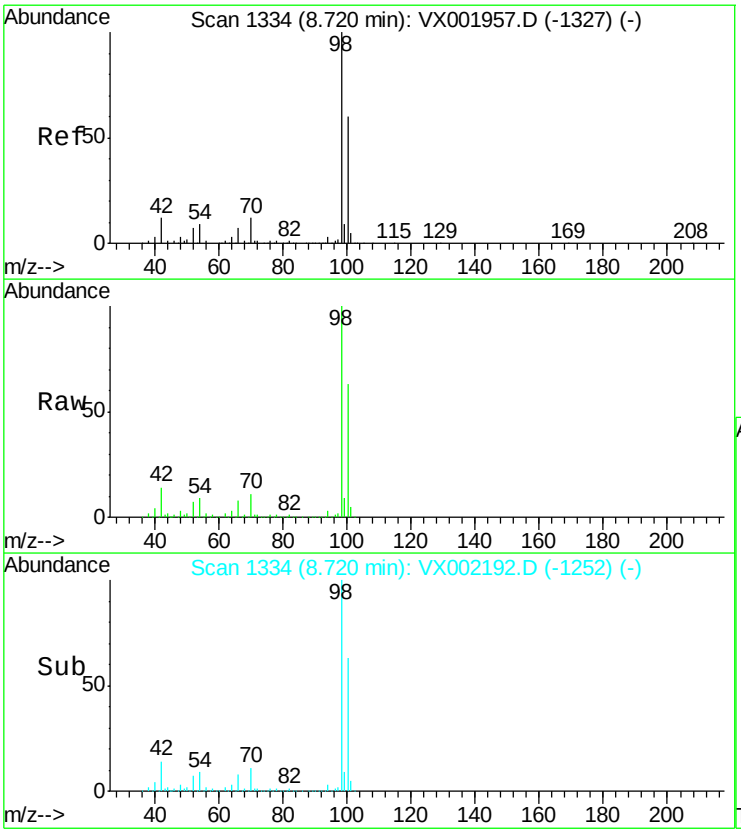
#60
4-Bromofluorobenzene
Concen: 26.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 95 Resp: 114190

Ion	Ratio	Lower	Upper
95	100		
174	91.7	71.8	107.6
176	89.3	70.1	105.1

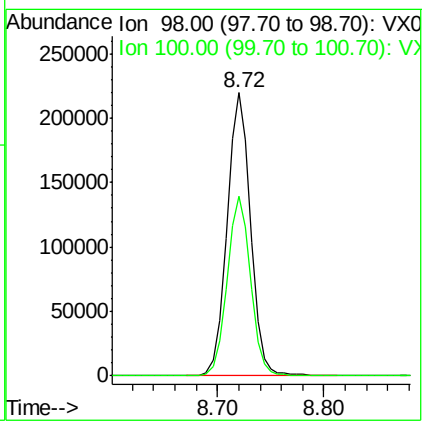


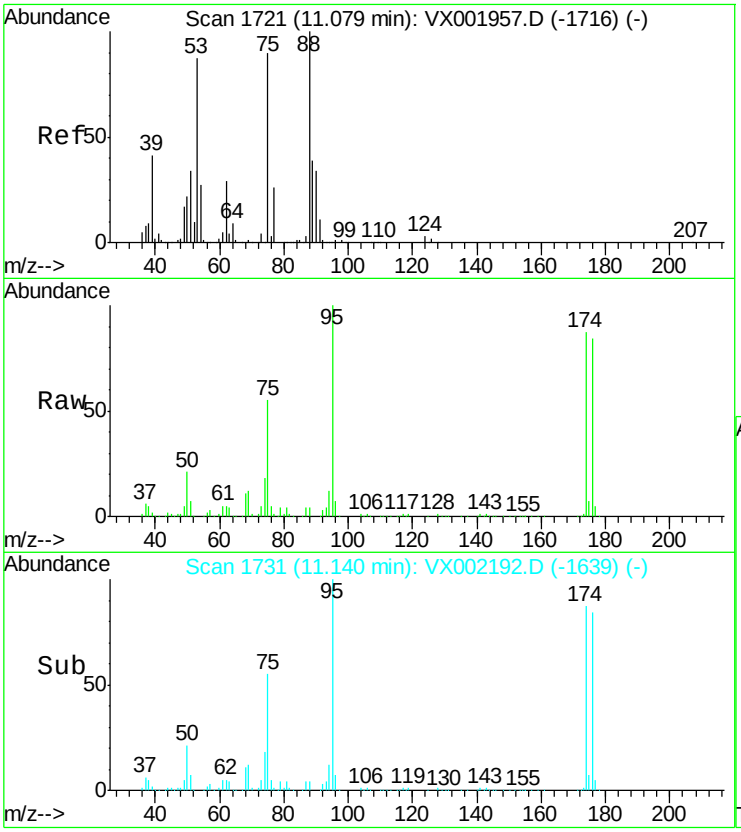


#63
Toluene-d8
Concen: 30.63 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Tgt Ion: 98 Resp: 338789

Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.8	76.2





#77
t-1,4-Dichloro-2-butene
Concen: 40.22 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002192.D
Acq: 31 May 2018 22:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 62352

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