Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
Data File : VF059408.D
Acq On : 3 Jul 2018 13:26
Operator : VA/AP
Sample : J3774-01RE
Misc : 5.67g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SB-5(3-5)RE

Quant Time: Jul 04 00:09:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	67662	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	105614	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	60051	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	50650	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	95666	109.43	ug/l	-0.03
Spiked Amount 50.000			Recovery = 218.86%			
35) Dibromofluoromethane	4.26	113	56214	72.85	ug/l	-0.02
Spiked Amount 50.000			Recovery = 145.70%			
50) Toluene-d8	7.68	98	68446	35.82	ug/l	-0.02
Spiked Amount 50.000			Recovery = 71.64%			
62) 4-Bromofluorobenzene	11.48	95	63242	58.68	ug/l	-0.02
Spiked Amount 50.000			Recovery = 117.36%			
Target Compounds						Qvalue
3) Chloromethane	1.09	50	1189	2.863	ug/l #	41
5) Bromomethane	1.34	94	381	Below Cal #		4
8) Diethyl Ether	1.70	74	223	1.076	ug/l	94
11) Tert butyl alcohol	2.66	59	1067	18.334	ug/l #	29
12) 1,1-Dichloroethene	1.84	96	538	1.349	ug/l #	1
13) Acrolein	2.04	56	1356	32.006	ug/l	92
15) Acrylonitrile	3.06	53	610	5.952	ug/l #	52
16) Acetone	2.32	43	72189	334.080	ug/l	99
17) Carbon Disulfide	1.86	76	9771	10.413	ug/l #	74
18) Methyl Acetate	2.43	43	10153	25.154	ug/l #	85
20) Methylene Chloride	2.30	84	7150	8.443	ug/l	86
25) 2-Butanone	4.48	43	13455	48.667	ug/l #	87
28) Bromochloromethane	3.72	49	77	Below Cal #		6
29) Tetrahydrofuran	4.20	42	399	Below Cal #		65
41) Methacrylonitrile	4.88	41	554	1.760	ug/l #	50
48) Methyl methacrylate	6.84	41	1230	2.388	ug/l #	63
49) 1,4-Dioxane	6.59	88	63	Below Cal #		1
56) Ethyl methacrylate	8.72	69	1159	1.574	ug/l #	65
58) 2-Chloroethyl Vinyl ether	7.71	63	87	1.576	ug/l	100
59) 2-Hexanone	9.59	43	8483	3.147	ug/l	85
68) m/p-Xylenes	10.23	106	765	1.139	ug/l #	50
70) Styrene	10.88	104	1410	1.232	ug/l #	76
74) N-amyl acetate	11.43	43	2749	2.567	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	11.78	83	771	1.035	ug/l #	93
81) trans-1,4-Dichloro-2-buten	11.93	75	374	1.118	ug/l #	76
86) p-Isopropyltoluene	12.52	119	3548	1.234	ug/l	91
87) 1,3-Dichlorobenzene	12.53	146	1341	Below Cal		89
88) 1,4-Dichlorobenzene	12.62	146	2595	1.775	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	13.69	75	262	1.586	ug/l	83
93) 1,2,4-Trichlorobenzene	14.24	180	1891	1.721	ug/l #	80
95) Naphthalene	14.50	128	9174	3.990	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.65	180	1663	1.597	ug/l #	56

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
Data File : VF059408.D
Acq On : 3 Jul 2018 13:26
Operator : VA/AP
Sample : J3774-01RE
Misc : 5.67g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Quant Time: Jul 04 00:09:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
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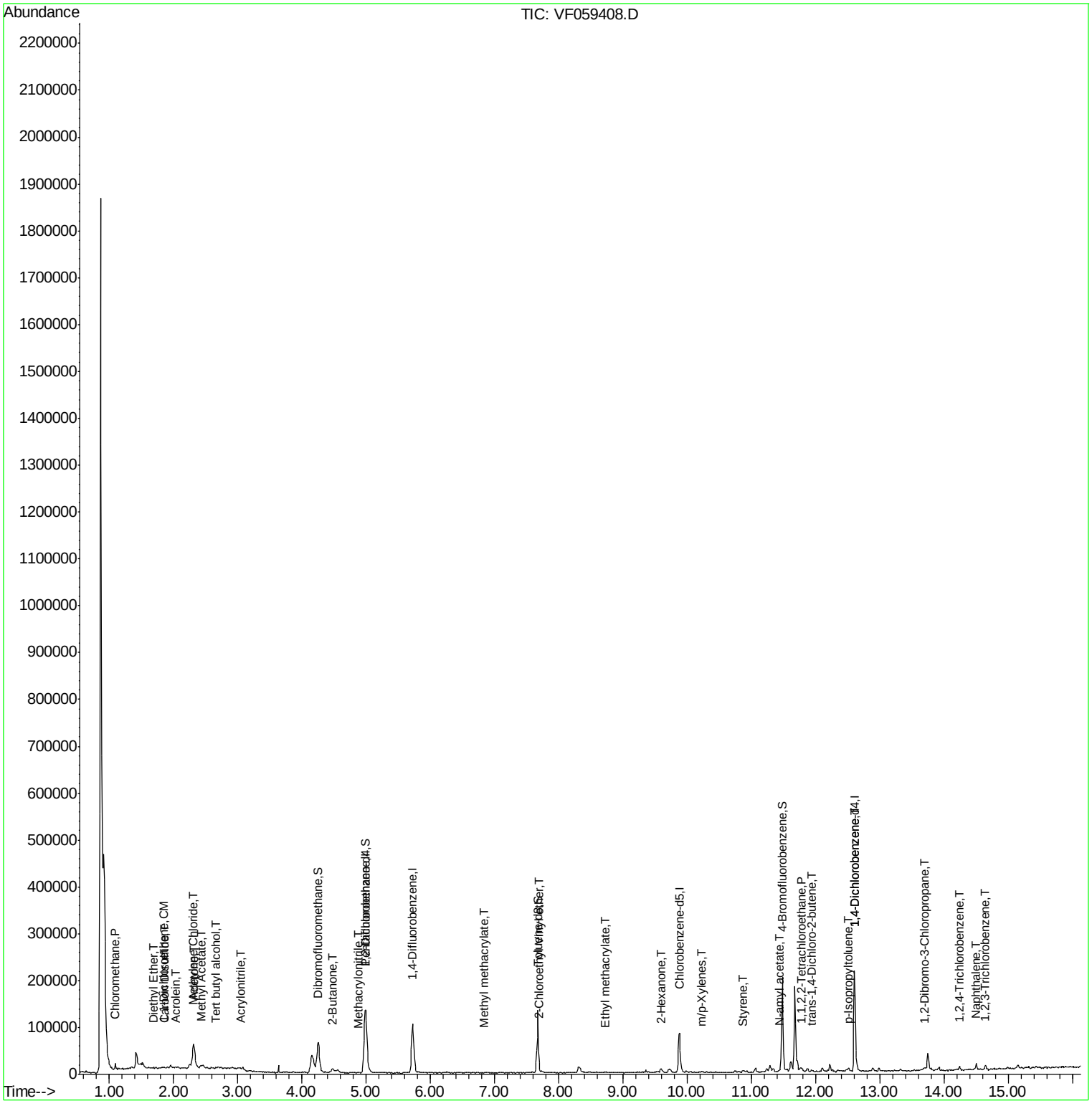
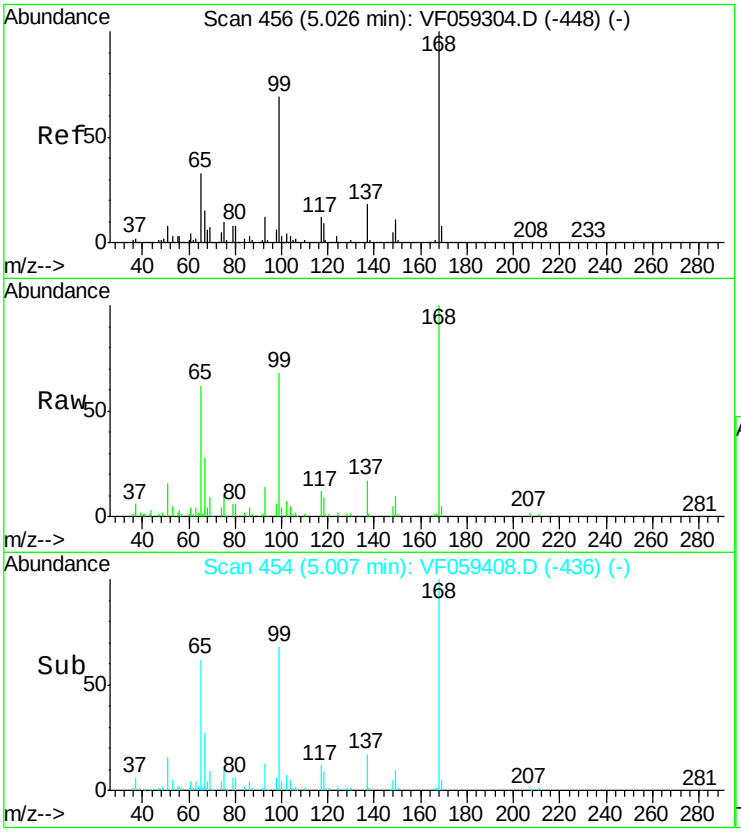
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration



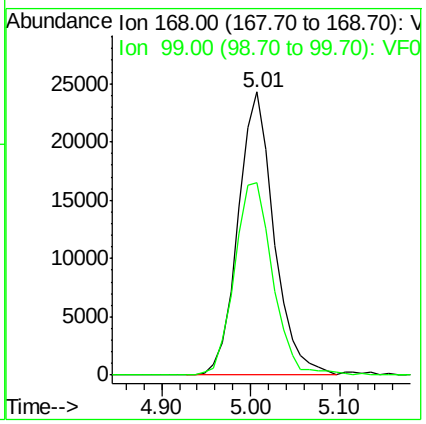


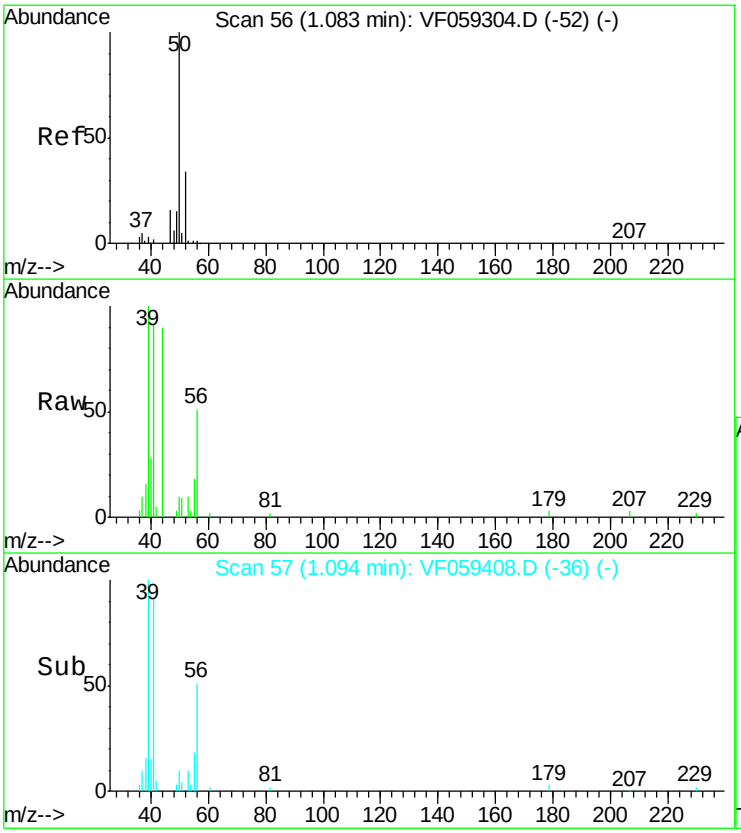
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion:168 Resp: 67662

Ion	Ratio	Lower	Upper
168	100		
99	68.1	54.9	82.3

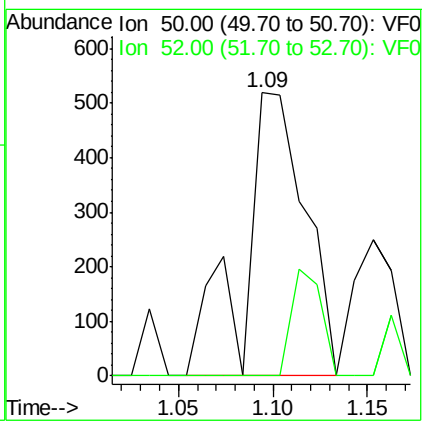


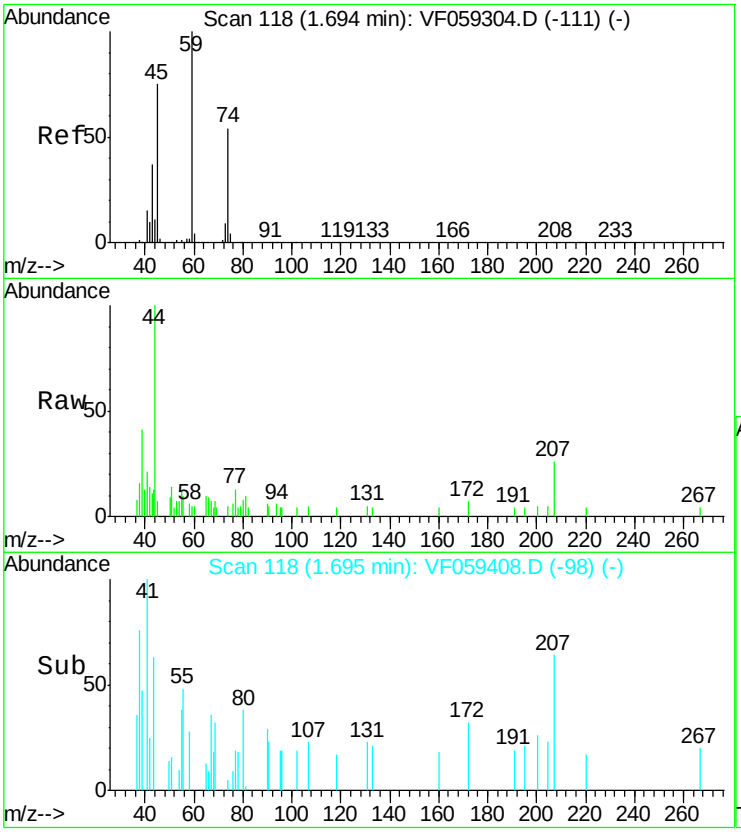


#3
Chloromethane
Concen: 2.863 ug/l
RT: 1.09 min Scan# 57
Delta R.T. 0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 50 Resp: 1189

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.7	40.1#



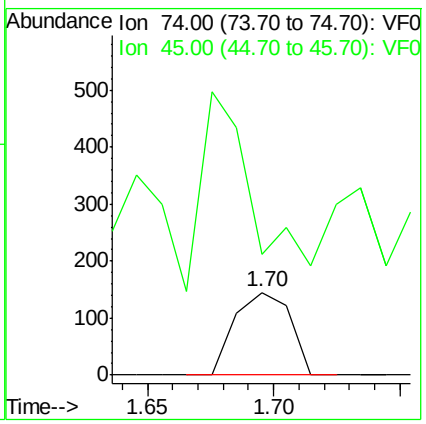


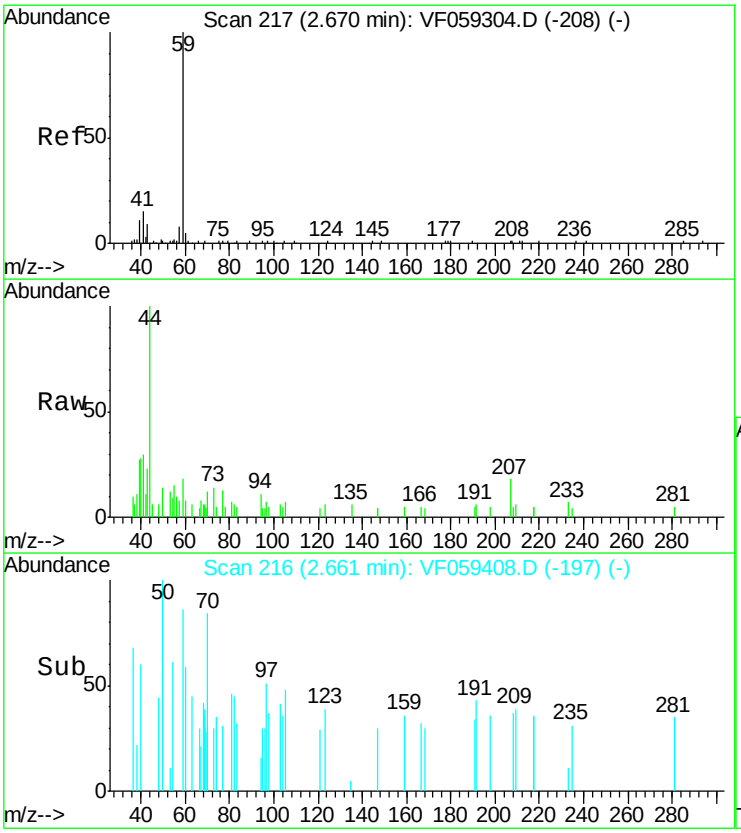
#8
Diethyl Ether
Concen: 1.076 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion: 74 Resp: 223

Ion	Ratio	Lower	Upper
74	100		
45	146.9	70.0	210.0

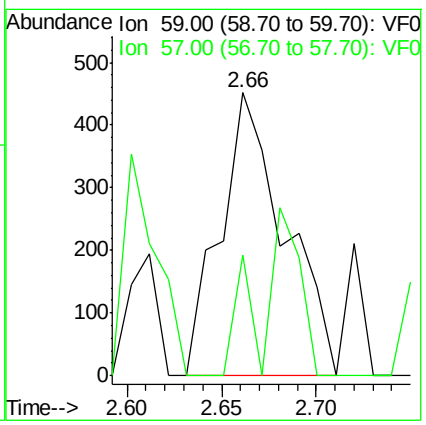


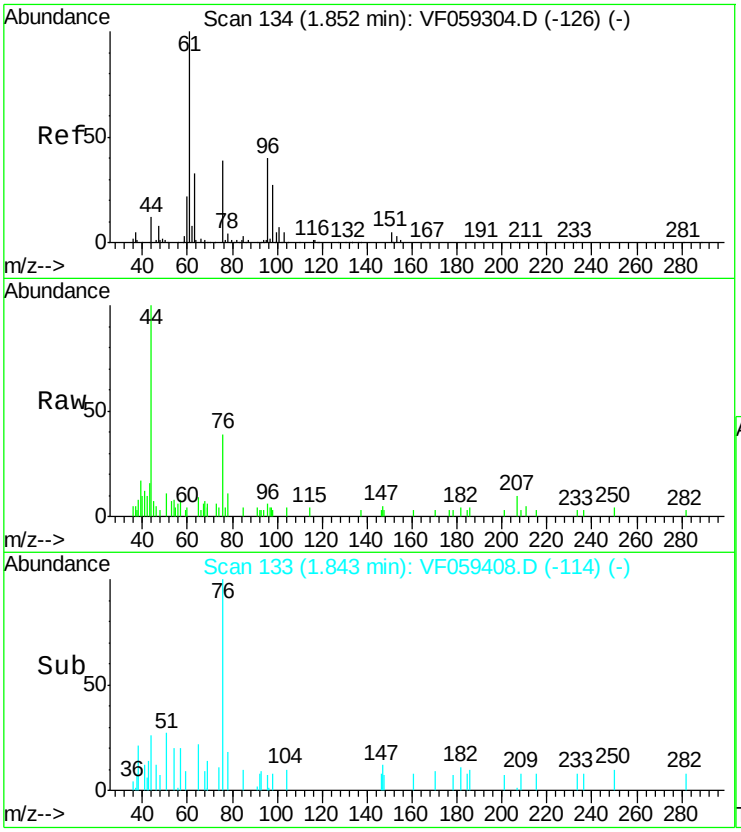


#11
Tert butyl alcohol
Concen: 18.334 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 59 Resp: 1067

Ion	Ratio	Lower	Upper
59	100		
57	42.5	11.0	16.4#



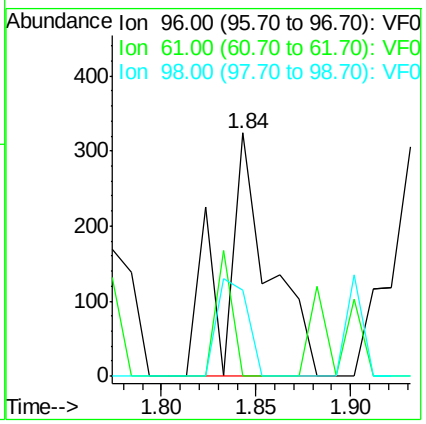


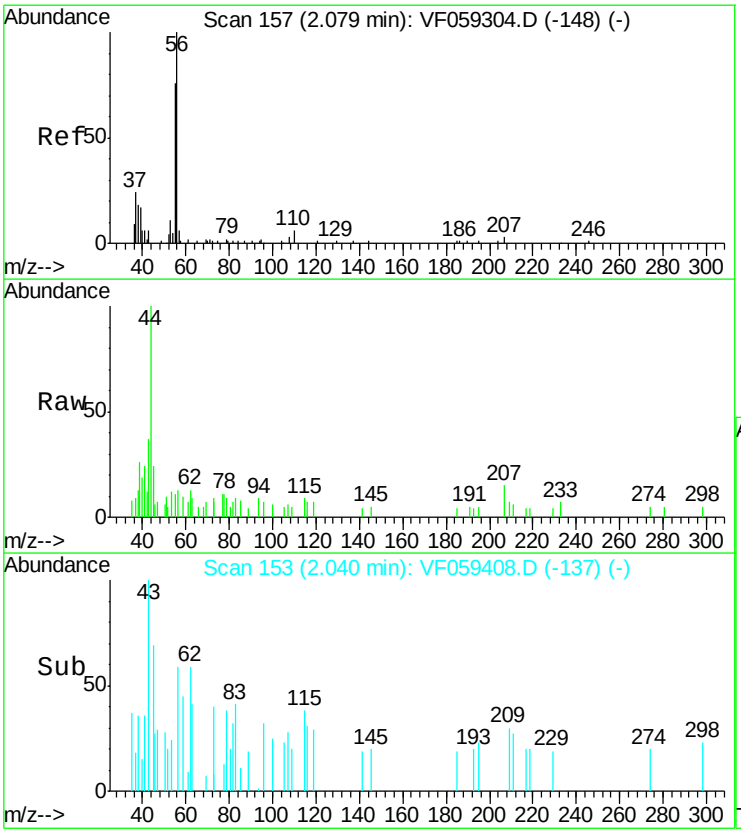
#12
1,1-Dichloroethene
Concen: 1.349 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument : MSVOA_F
ClientSampleId : SB-5(3-5)RE

Tgt Ion: 96 Resp: 538

Ion	Ratio	Lower	Upper
96	100		
61	0.0	201.1	301.7#
98	35.2	53.9	80.9#

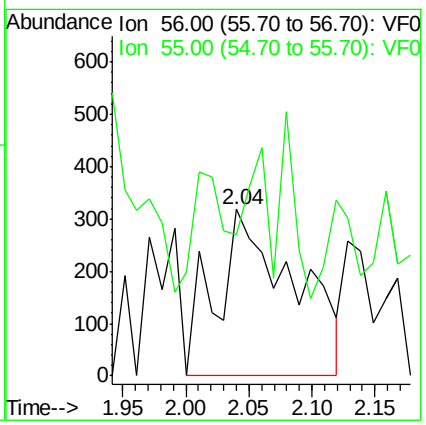


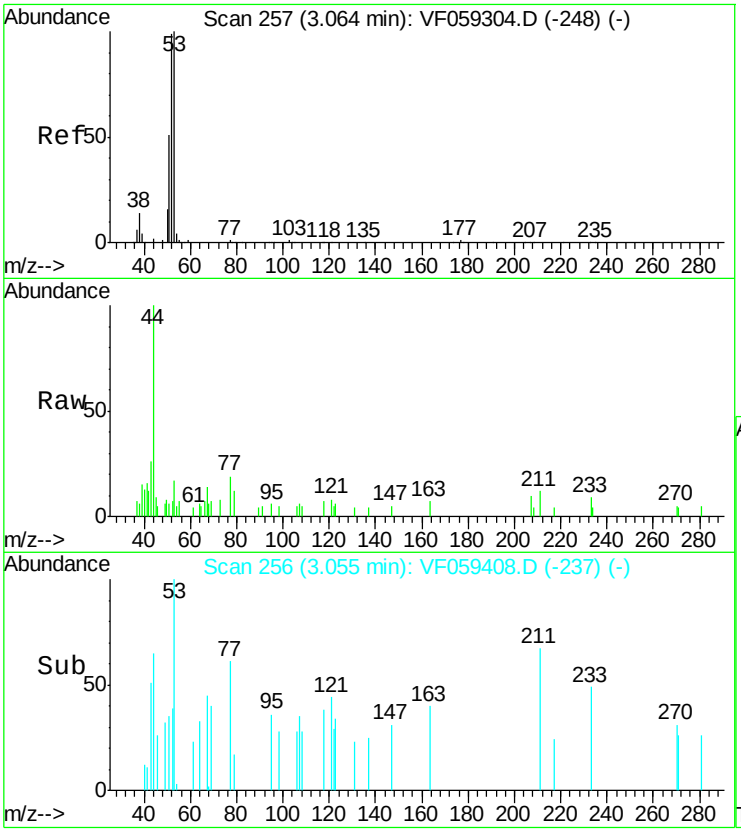


#13
Acrolein
Concen: 32.006 ug/l
RT: 2.04 min Scan# 153
Delta R.T. -0.04 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 56 Resp: 1356

Ion	Ratio	Lower	Upper
56	100		
55	84.6	62.4	93.6



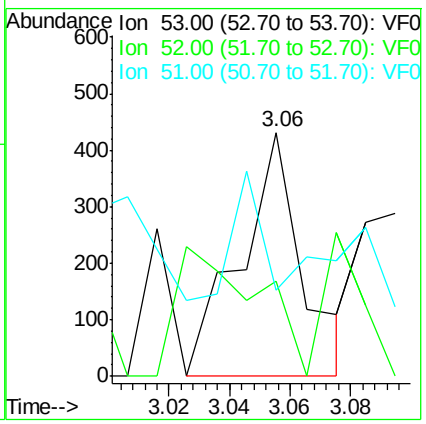


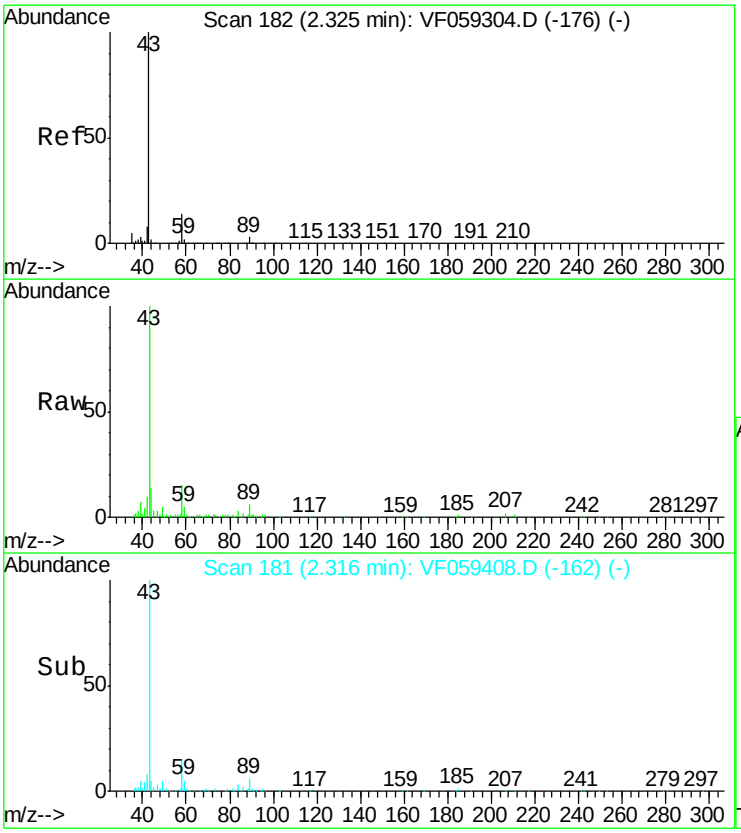
#15
Acrylonitrile
Concen: 5.952 ug/l
RT: 3.06 min Scan# 256
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument : MSVOA_F
ClientSampleId : SB-5(3-5)RE

Tgt Ion: 53 Resp: 610

Ion	Ratio	Lower	Upper
53	100		
52	39.0	79.2	118.8#
51	35.3	40.9	61.3#

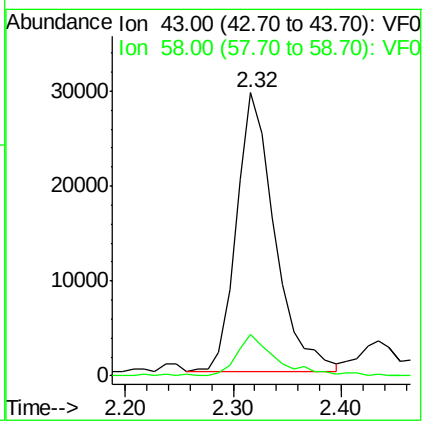


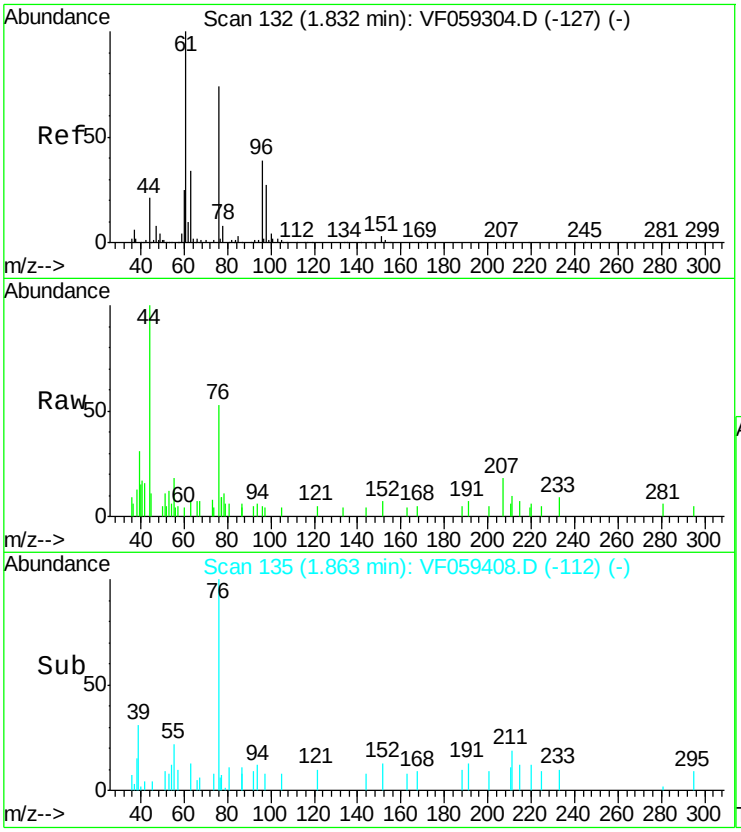


#16
Acetone
Concen: 334.080 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 43 Resp: 72189

Ion	Ratio	Lower	Upper
43	100		
58	14.7	11.4	17.0



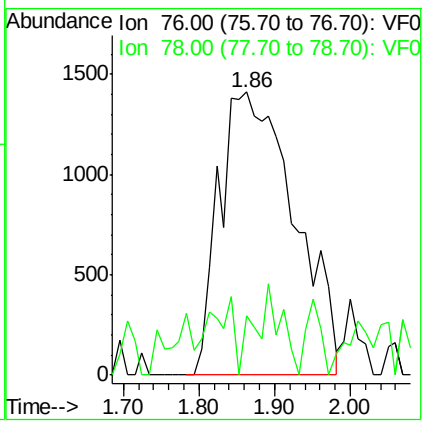


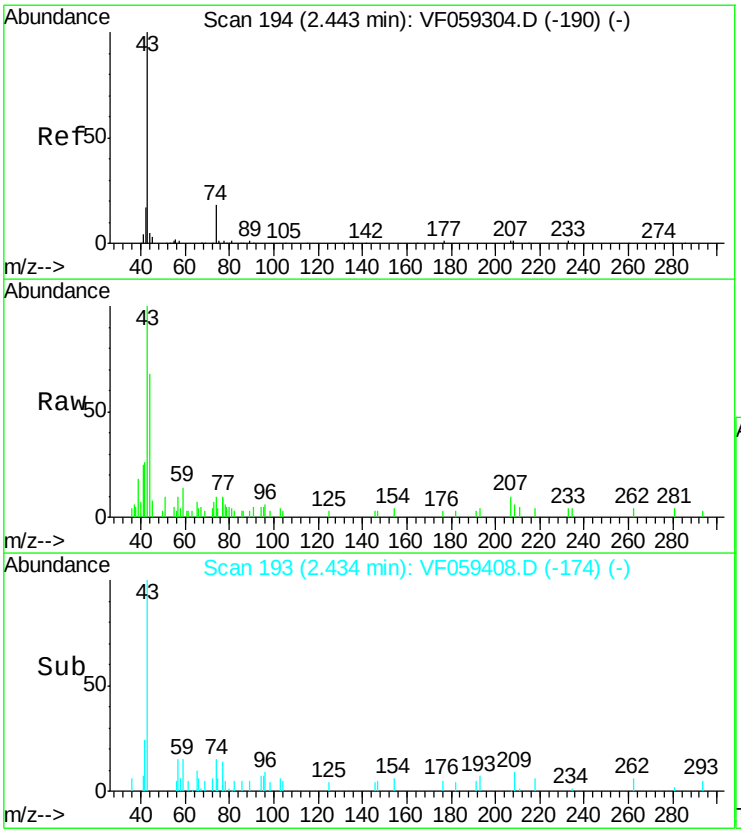
#17
Carbon Disulfide
Concen: 10.413 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion: 76 Resp: 9771

Ion	Ratio	Lower	Upper
76	100		
78	20.9	8.9	13.3#

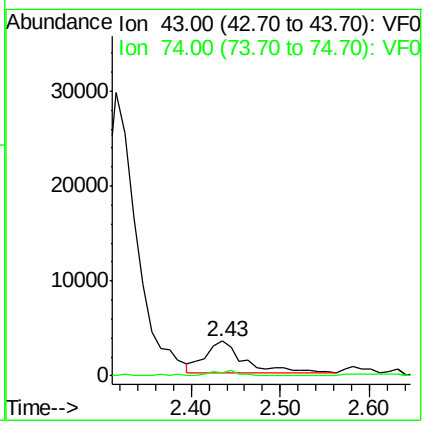


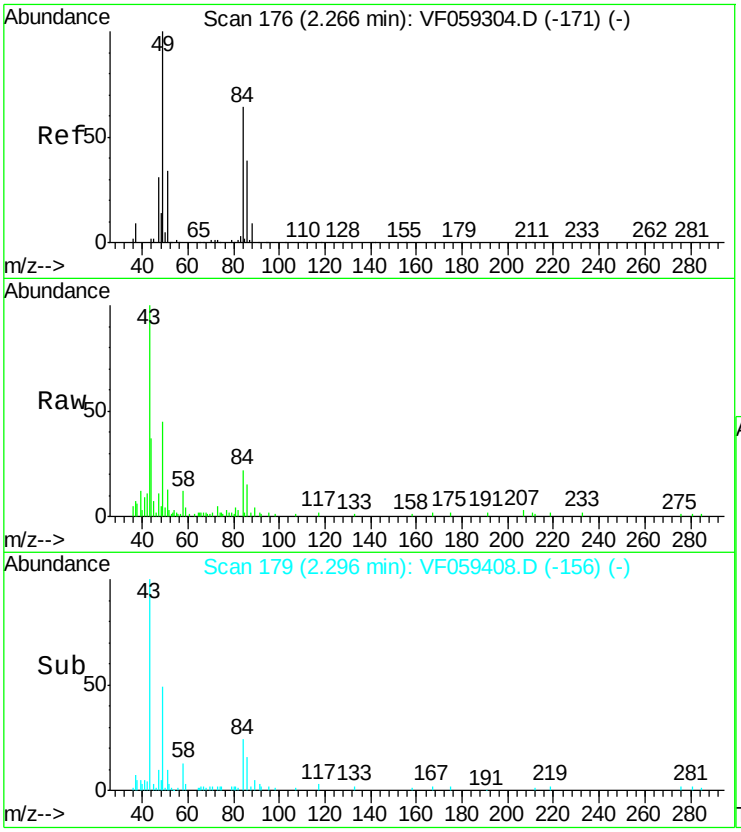


#18
Methyl Acetate
Concen: 25.154 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 43 Resp: 10153

Ion	Ratio	Lower	Upper
43	100		
74	10.2	13.3	19.9#



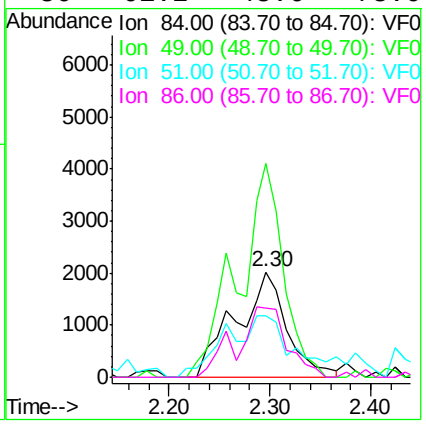


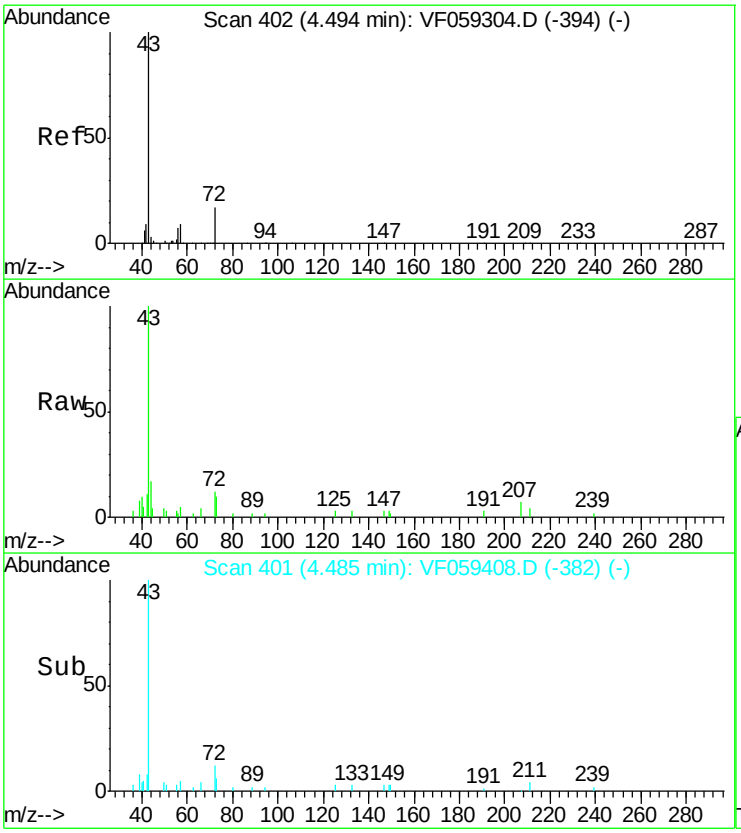
#20
Methylene Chloride
Concen: 8.443 ug/l
RT: 2.30 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument : MSVOA_F
ClientSampleId : SB-5(3-5)RE

Tgt Ion: 84 Resp: 7150

Ion	Ratio	Lower	Upper
84	100		
49	188.0	126.5	189.7
51	54.2	42.9	64.3
86	61.2	48.6	73.0

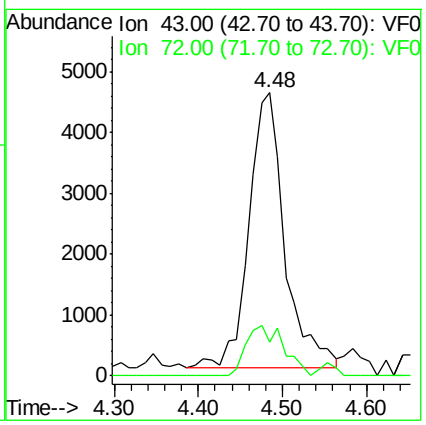


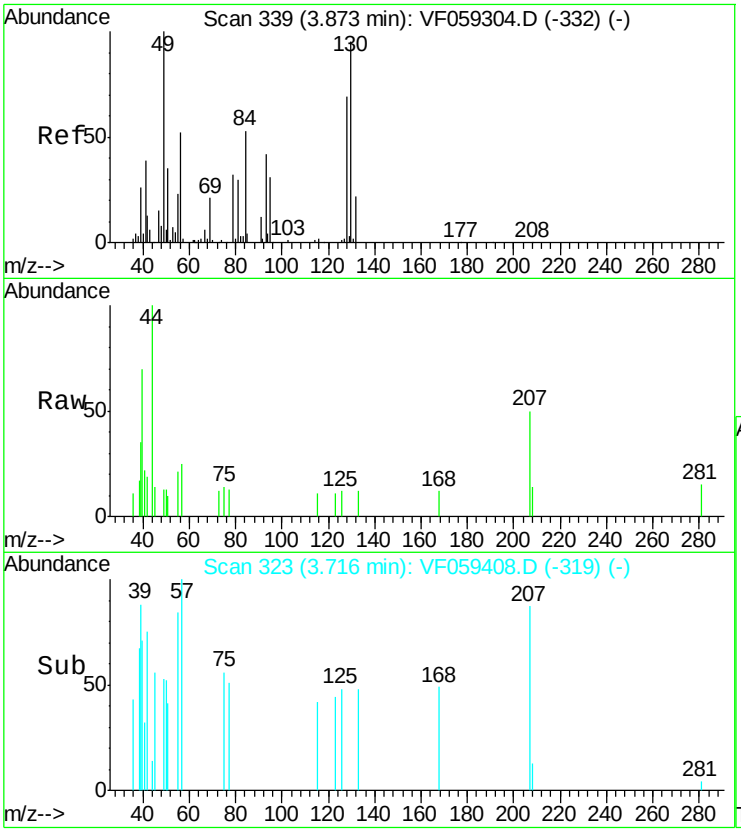


#25
2-Butanone
Concen: 48.667 ug/l
RT: 4.48 min Scan# 401
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 43 Resp: 13455

Ion	Ratio	Lower	Upper
43	100		
72	12.0	14.4	21.6#



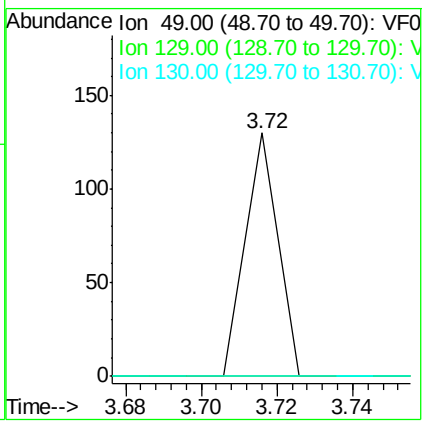


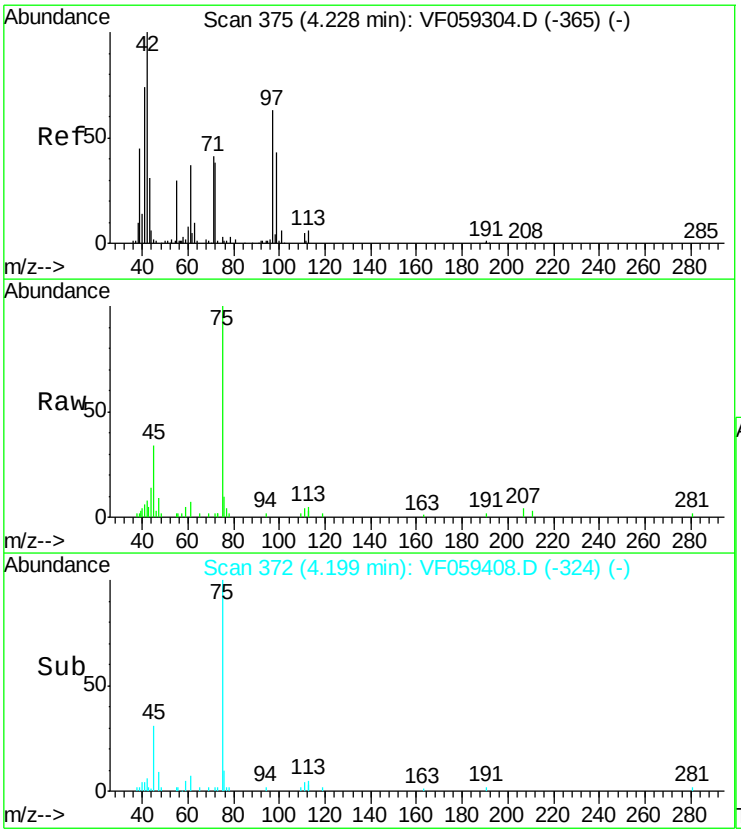
#28
Bromochloromethane
Concen: Below Cal
RT: 3.72 min Scan# 323
Delta R.T. -0.16 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument : MSVOA_F
ClientSampleId : SB-5(3-5)RE

Tgt Ion: 49 Resp: 77

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	0.0	75.1	112.7#

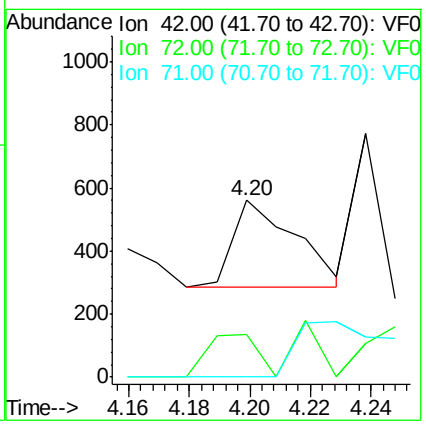


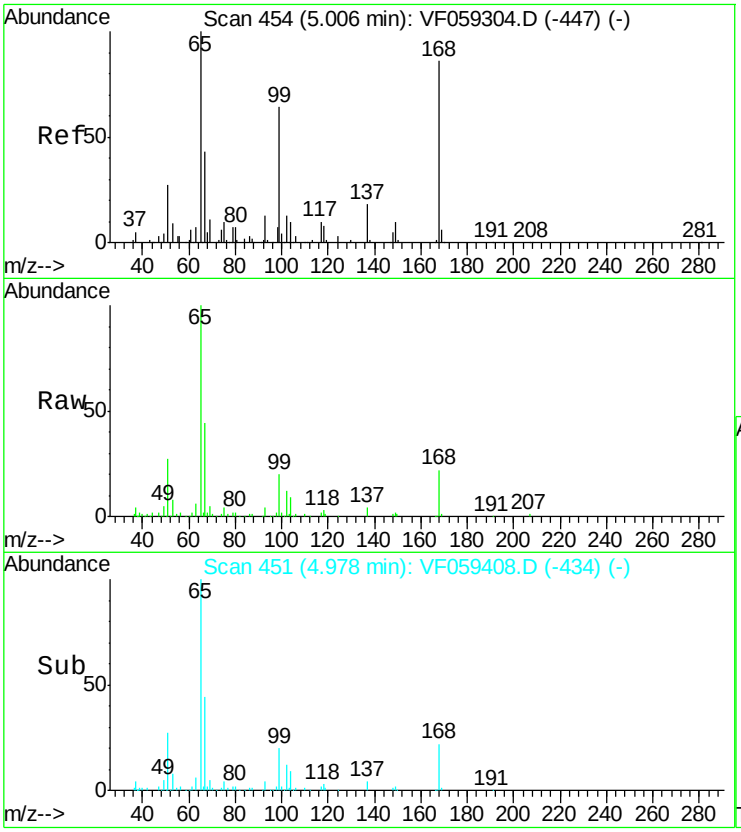


#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.20 min Scan# 372
Delta R.T. -0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 42 Resp: 399

Ion	Ratio	Lower	Upper
42	100		
72	39.6	30.5	45.7
71	0.0	32.5	48.7#



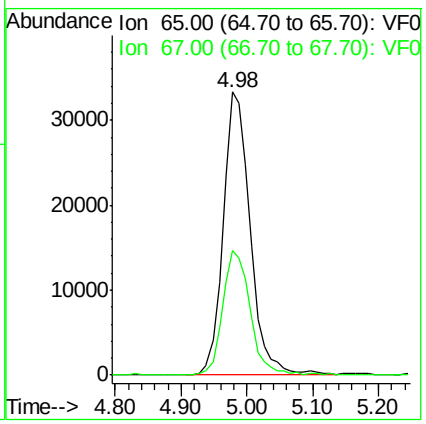


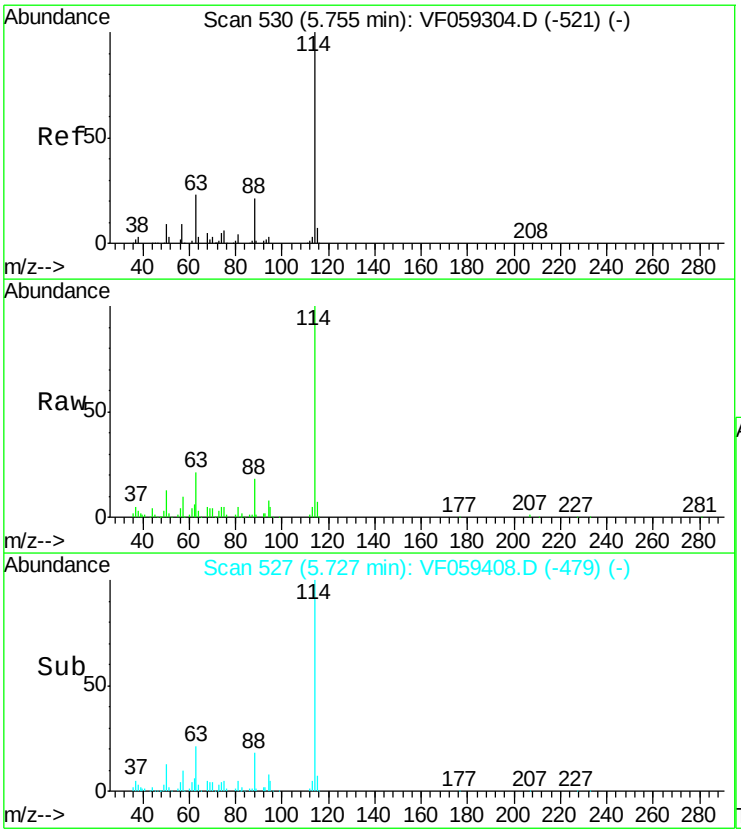
#33
1,2-Dichloroethane-d4
Concen: 109.435 ug/l
RT: 4.98 min Scan# 451
Delta R.T. -0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion: 65 Resp: 95666

Ion	Ratio	Lower	Upper
65	100		
67	44.0	0.0	96.8

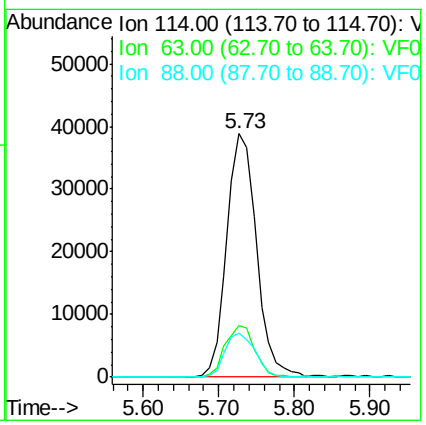


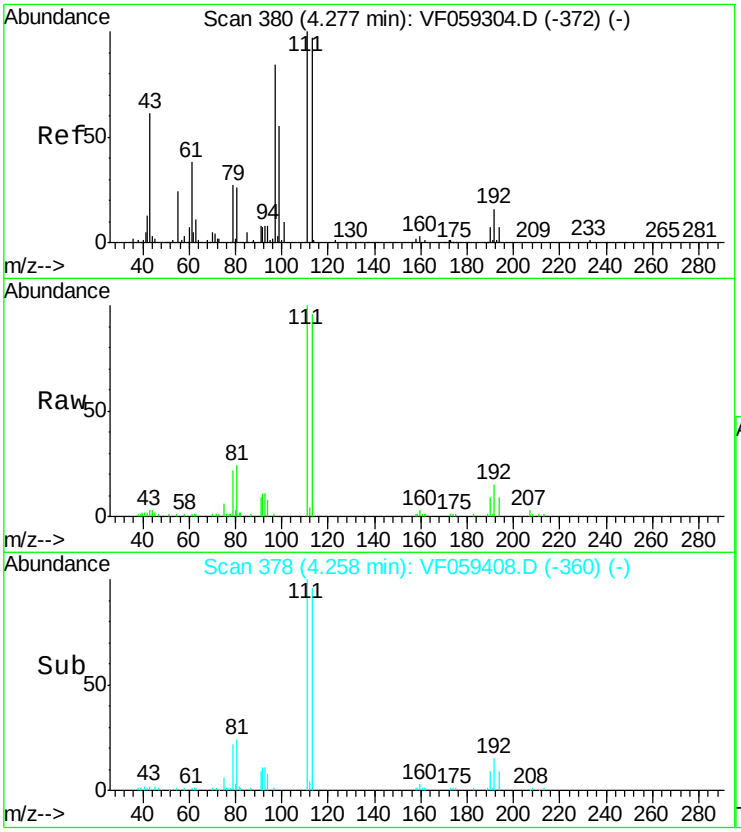


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.73 min Scan# 527
Delta R.T. -0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion:114 Resp: 105614

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	45.8
88	18.1	0.0	41.2



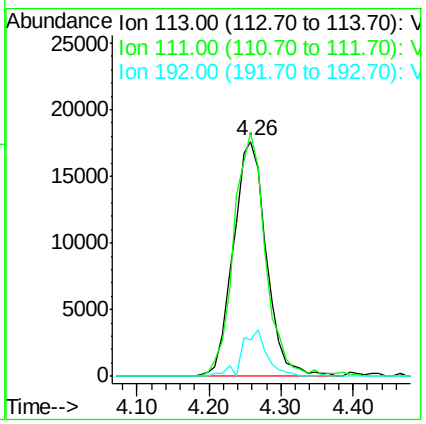


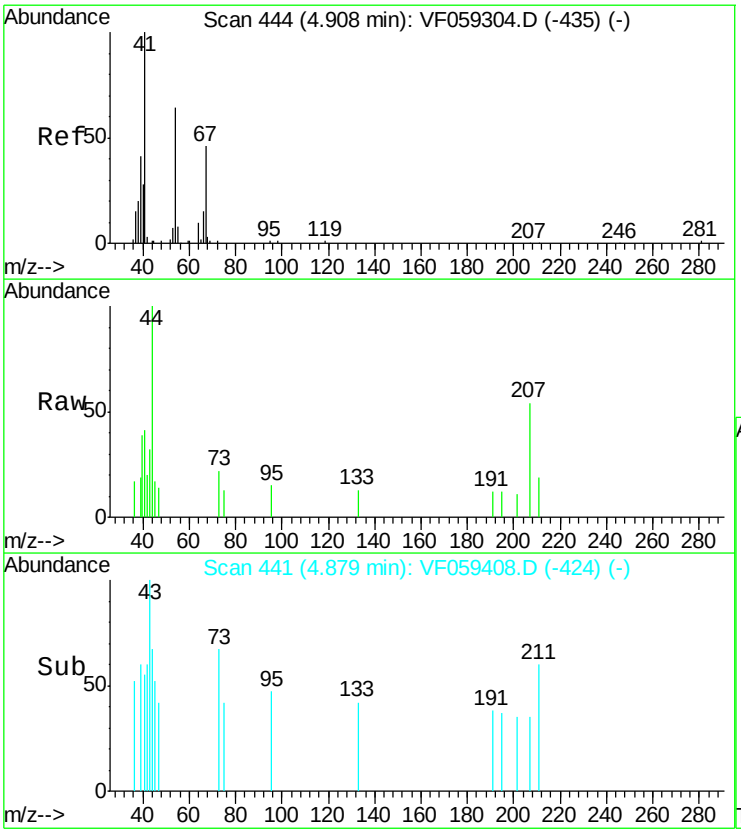
#35
Dibromofluoromethane
Concen: 72.846 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion:113 Resp: 56214

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.1	123.1
192	15.7	13.0	19.6

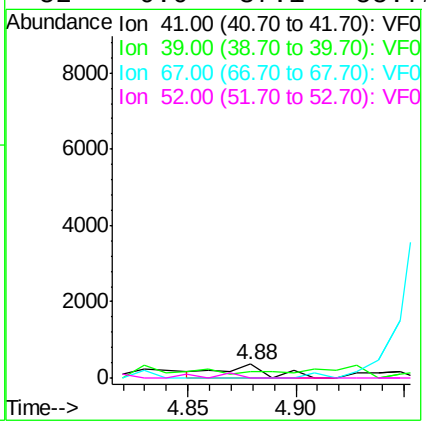


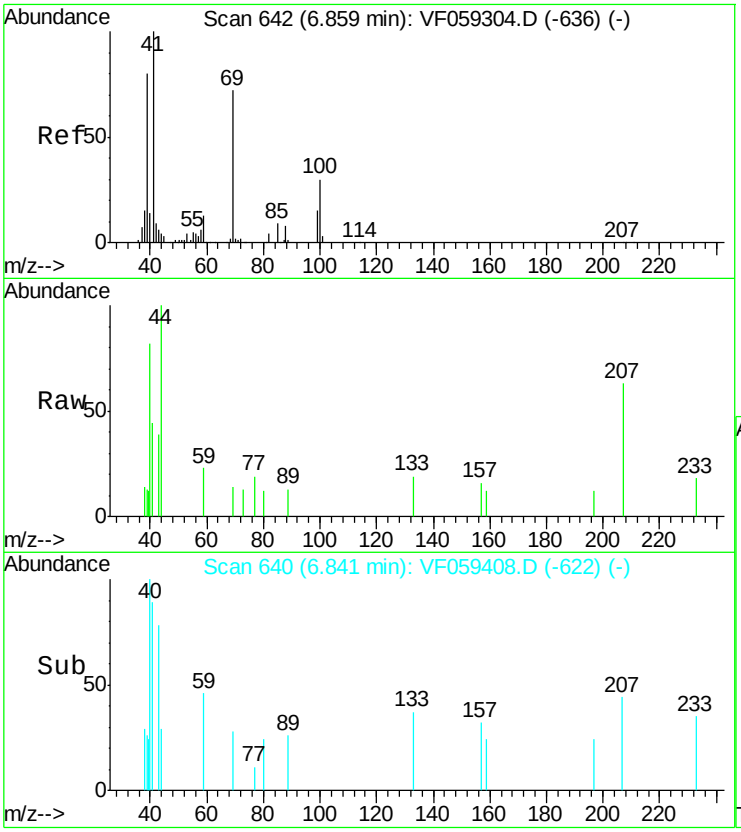


#41
Methacrylonitrile
Concen: 1.760 ug/l
RT: 4.88 min Scan# 441
Delta R.T. -0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 41 Resp: 554

Ion	Ratio	Lower	Upper
41	100		
39	47.1	50.0	75.0#
67	0.0	37.0	55.6#
52	0.0	37.1	55.7#



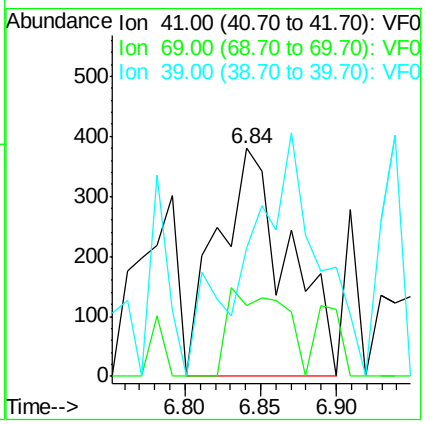


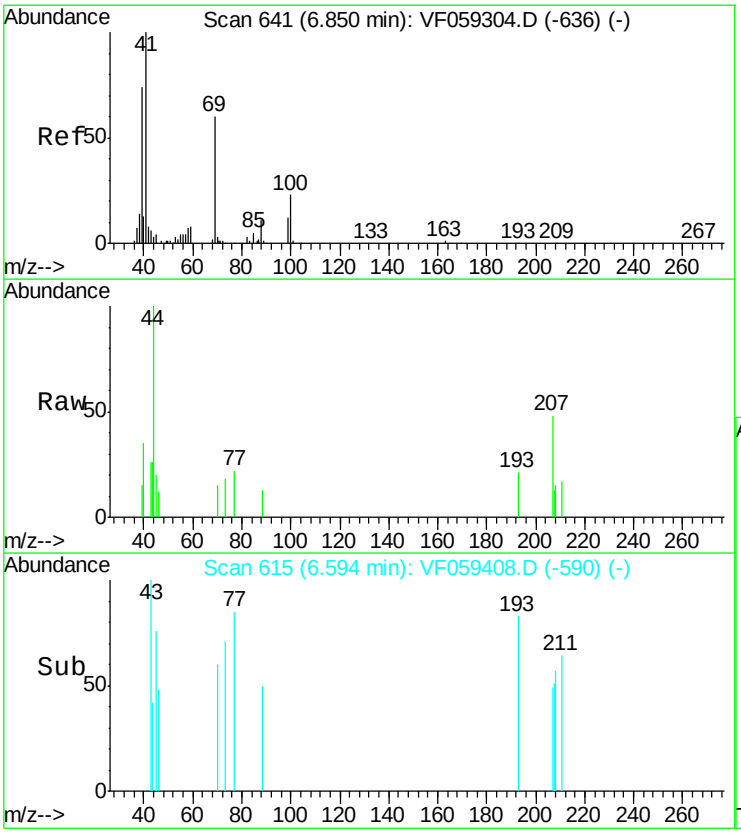
#48
Methyl methacrylate
Concen: 2.388 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument : MSVOA_F
ClientSampleId : SB-5(3-5)RE

Tgt Ion: 41 Resp: 1230

Ion	Ratio	Lower	Upper
41	100		
69	31.1	57.3	85.9#
39	56.3	64.4	96.6#

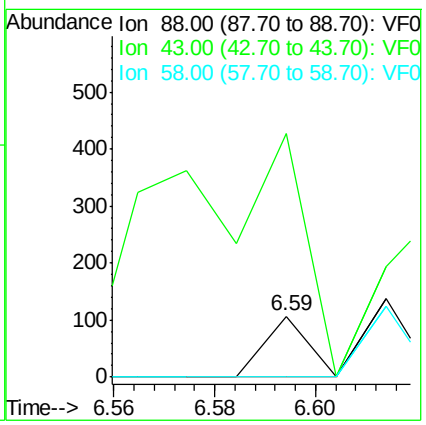


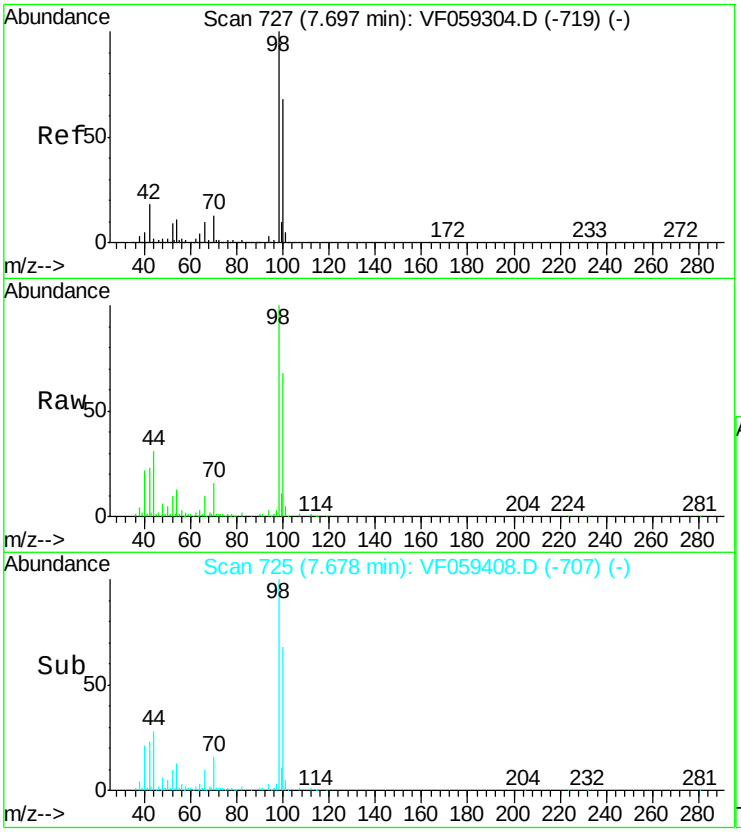


#49
1,4-Dioxane
Concen: Below Cal
RT: 6.59 min Scan# 615
Delta R.T. -0.25 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 88 Resp: 63

Ion	Ratio	Lower	Upper
88	100		
43	399.1	50.6	75.8#
58	0.0	46.6	69.8#



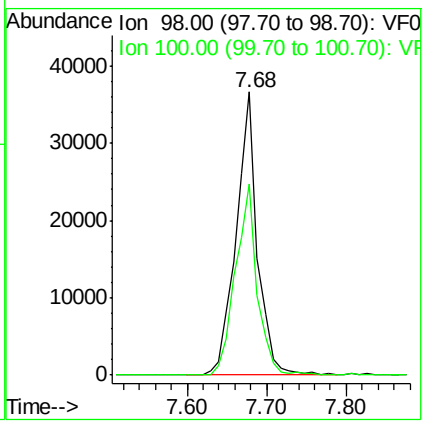


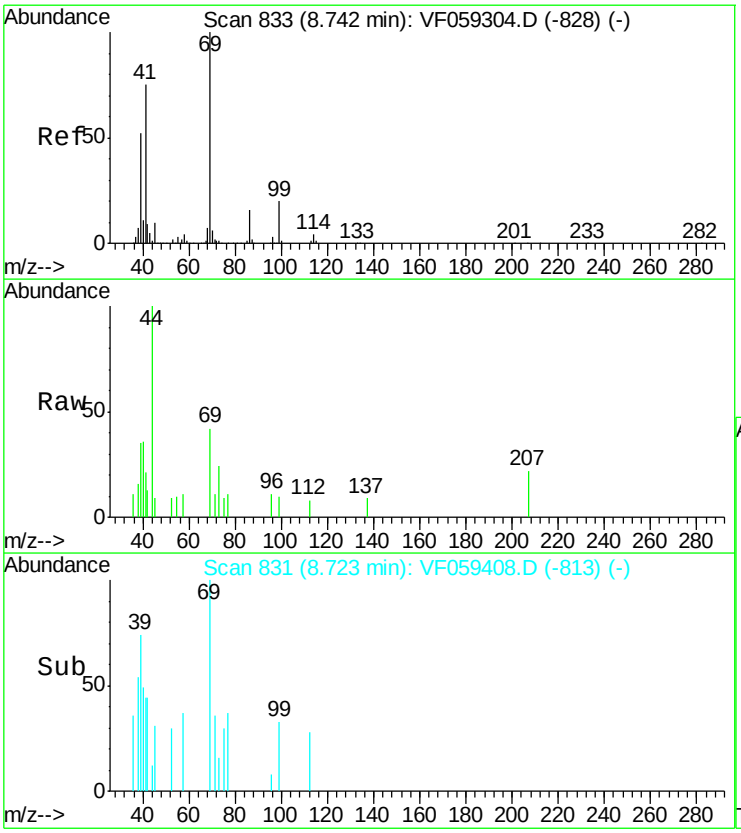
#50
Toluene-d8
Concen: 35.824 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion: 98 Resp: 68446

Ion	Ratio	Lower	Upper
98	100		
100	67.6	54.6	82.0

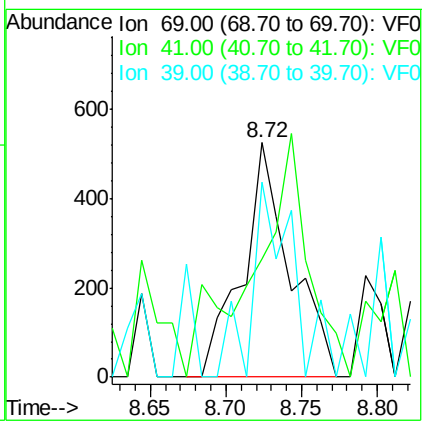


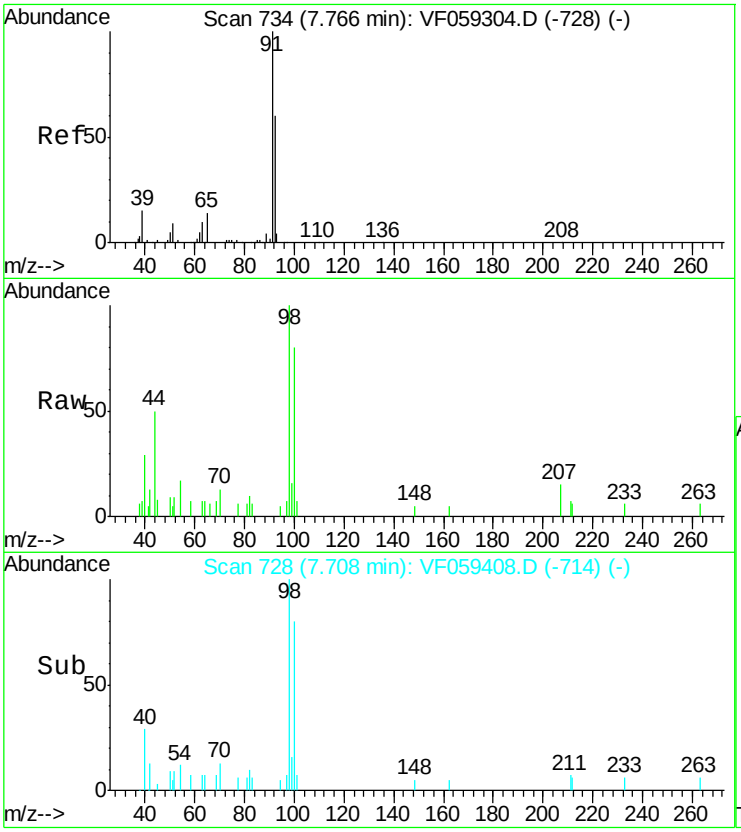


#56
Ethyl methacrylate
Concen: 1.574 ug/l
RT: 8.72 min Scan# 831
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 69 Resp: 1159

Ion	Ratio	Lower	Upper
69	100		
41	50.6	60.3	90.5#
39	83.6	42.2	63.4#



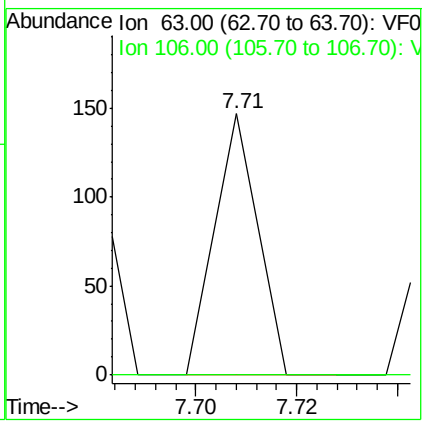


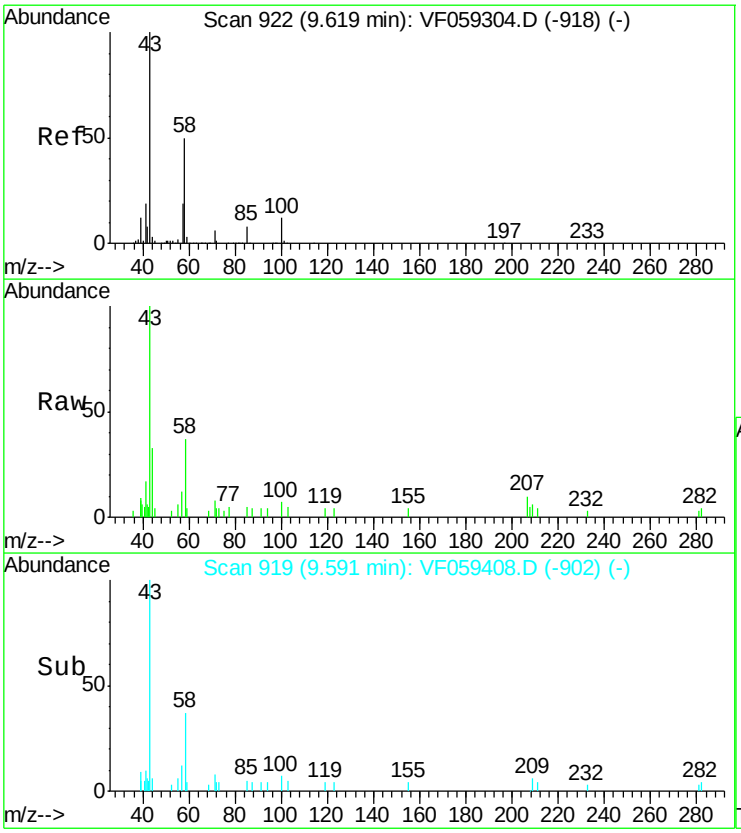
#58
2-Chloroethyl Vinyl ether
Concen: 1.576 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.06 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument : MSVOA_F
ClientSampleId : SB-5(3-5)RE

Tgt Ion: 63 Resp: 87

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

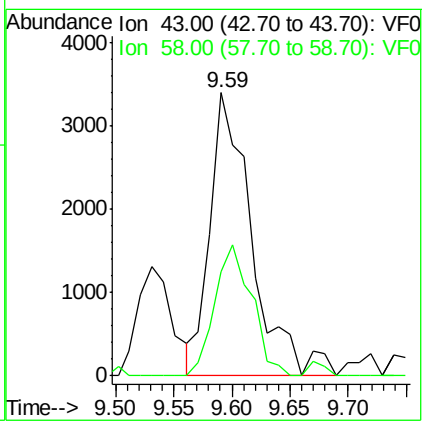


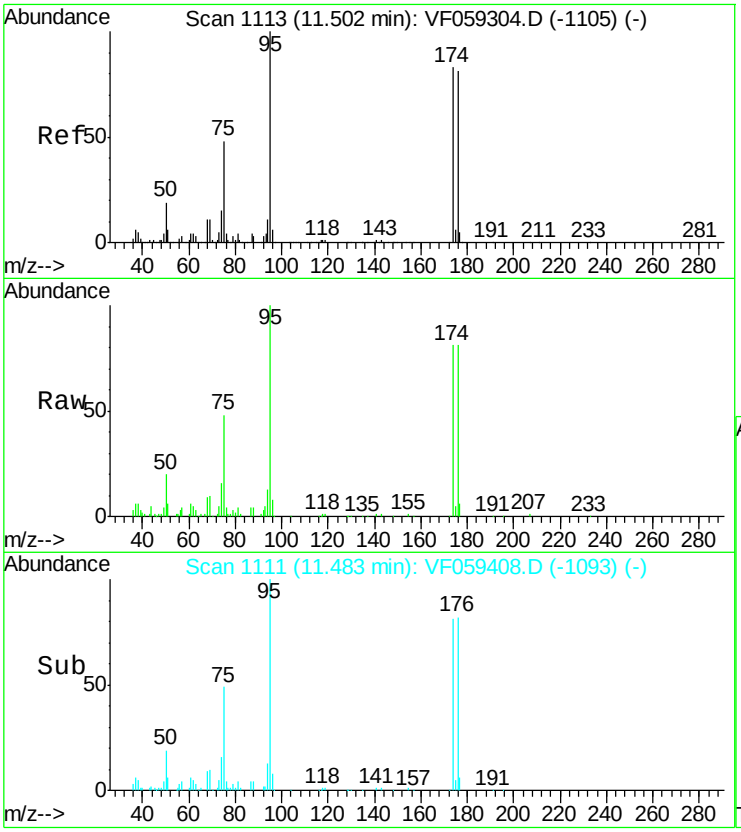


#59
2-Hexanone
Concen: 3.147 ug/l
RT: 9.59 min Scan# 919
Delta R.T. -0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 43 Resp: 8483

Ion	Ratio	Lower	Upper
43	100		
58	36.7	23.3	69.9



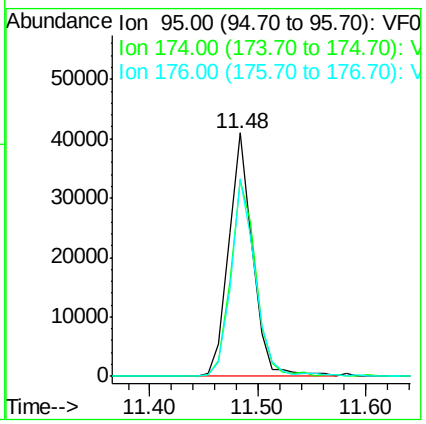


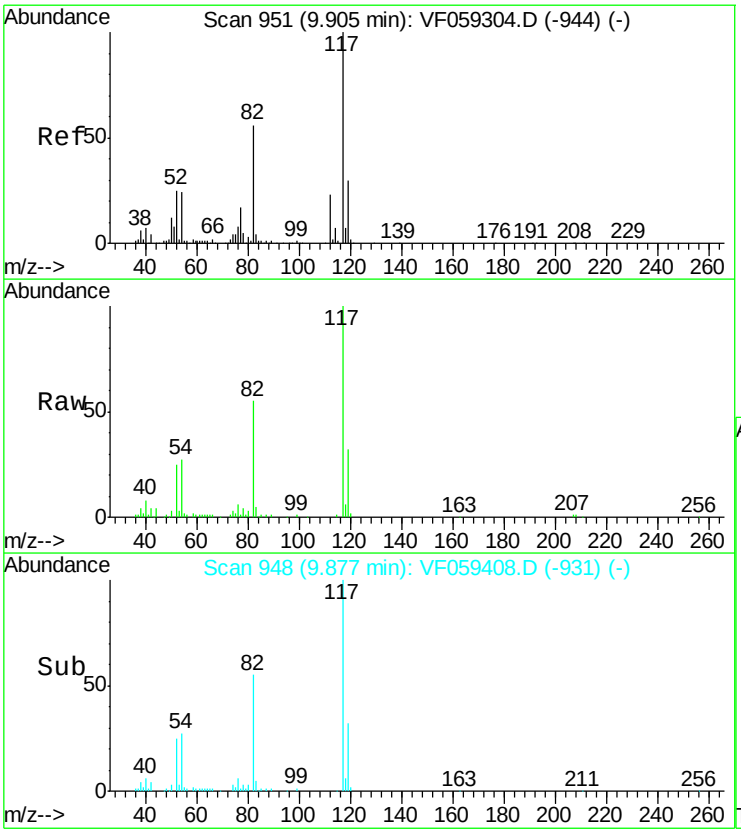
#62
4-Bromofluorobenzene
Concen: 58.679 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion: 95 Resp: 63242

Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	165.2
176	81.3	0.0	161.0

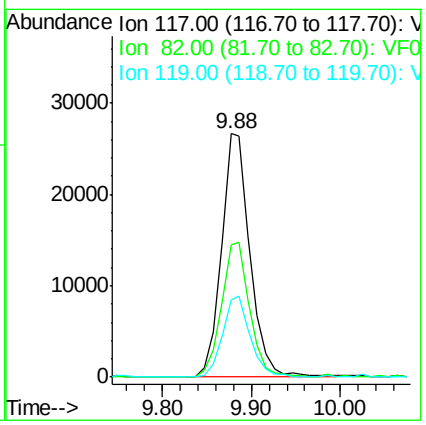


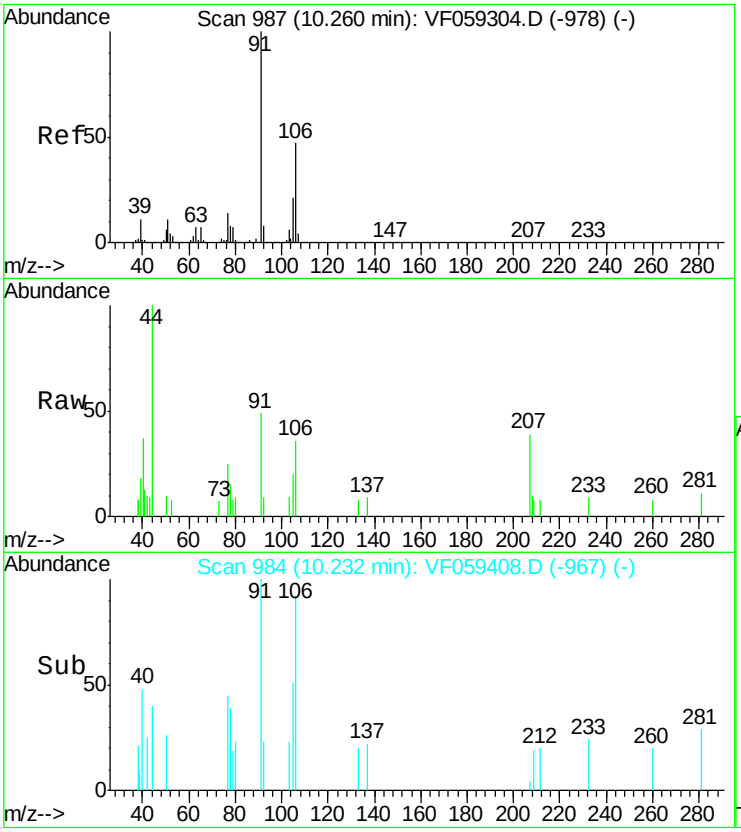


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 948
Delta R.T. -0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion:117 Resp: 60051

Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.6	66.8
119	31.6	24.1	36.1



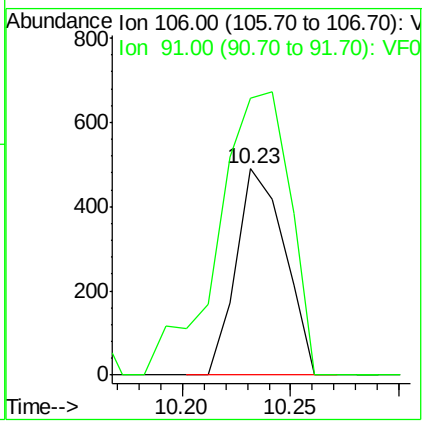


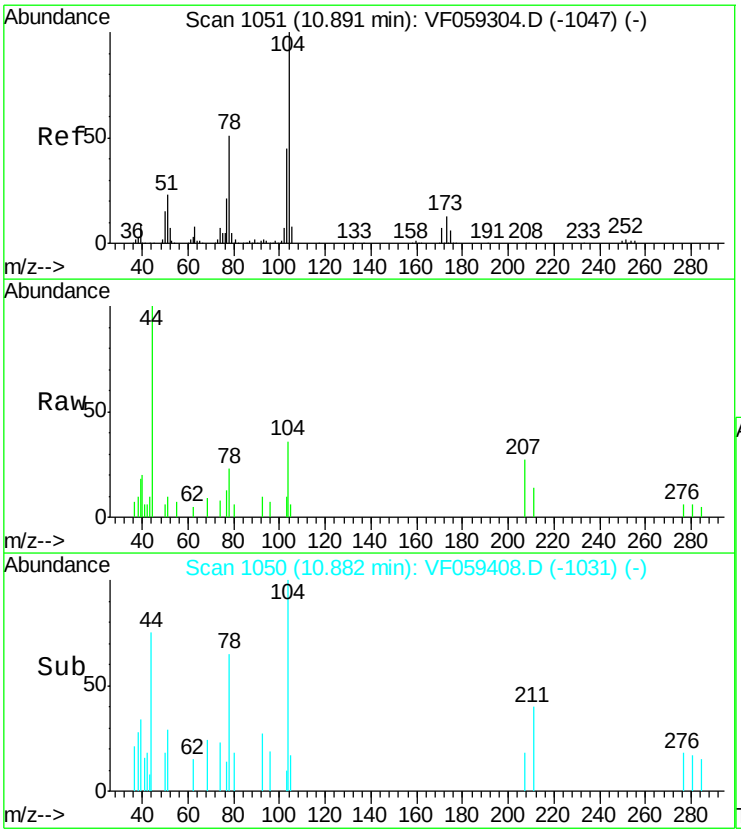
#68
m/p-Xylenes
Concen: 1.139 ug/l
RT: 10.23 min Scan# 984
Delta R.T. -0.03 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion:106 Resp: 765

Ion	Ratio	Lower	Upper
106	100		
91	134.1	170.8	256.2#

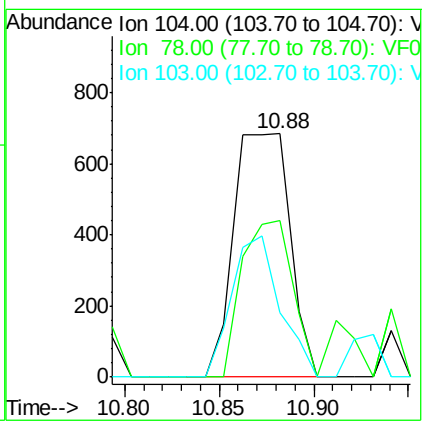


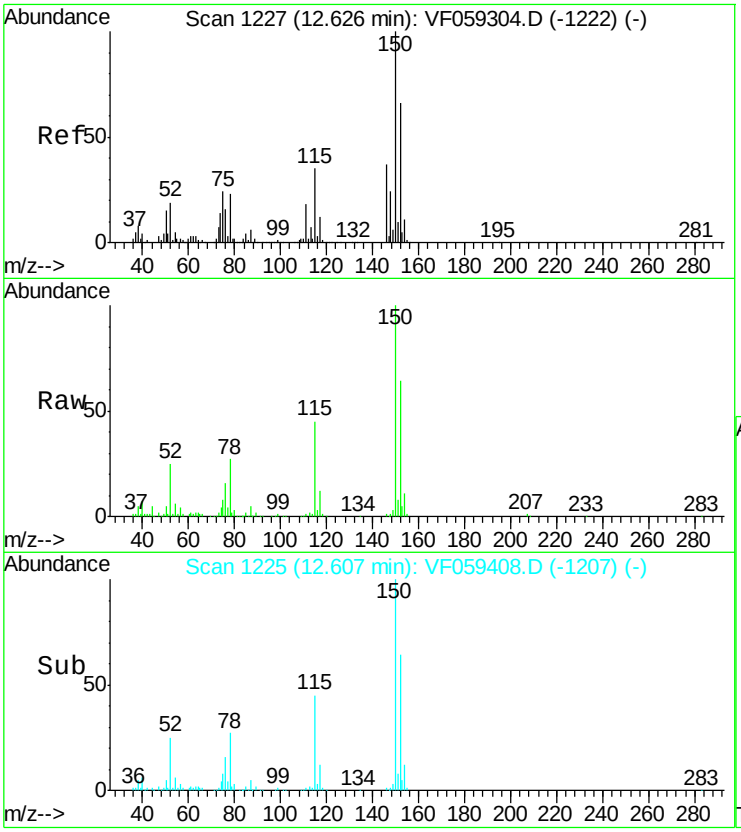


#70
Styrene
Concen: 1.232 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion:104 Resp: 1410

Ion	Ratio	Lower	Upper
104	100		
78	64.5	40.9	61.3#
103	26.6	36.5	54.7#



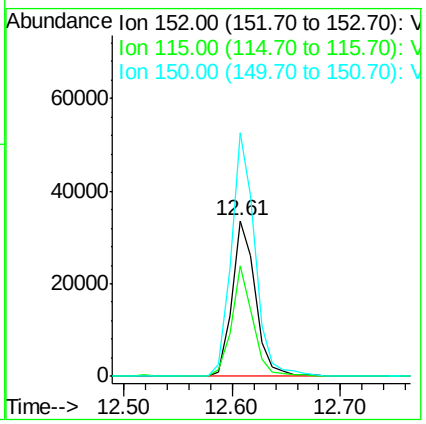


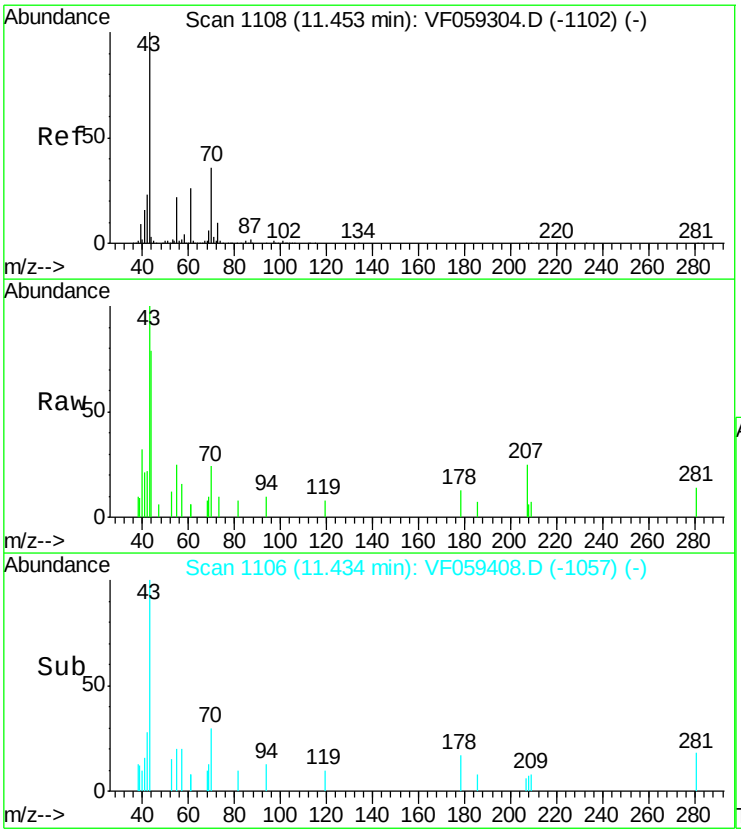
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument : MSVOA_F
ClientSampleId : SB-5(3-5)RE

Tgt Ion:152 Resp: 50650

Ion	Ratio	Lower	Upper
152	100		
115	71.0	27.1	81.3
150	156.8	0.0	305.2

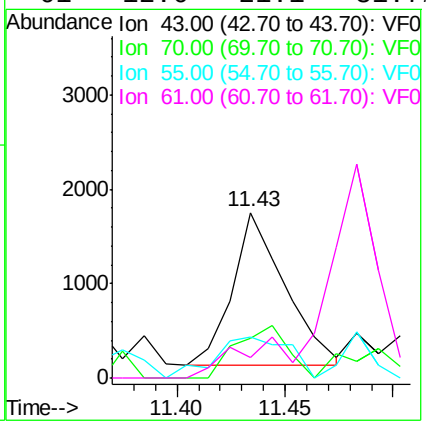


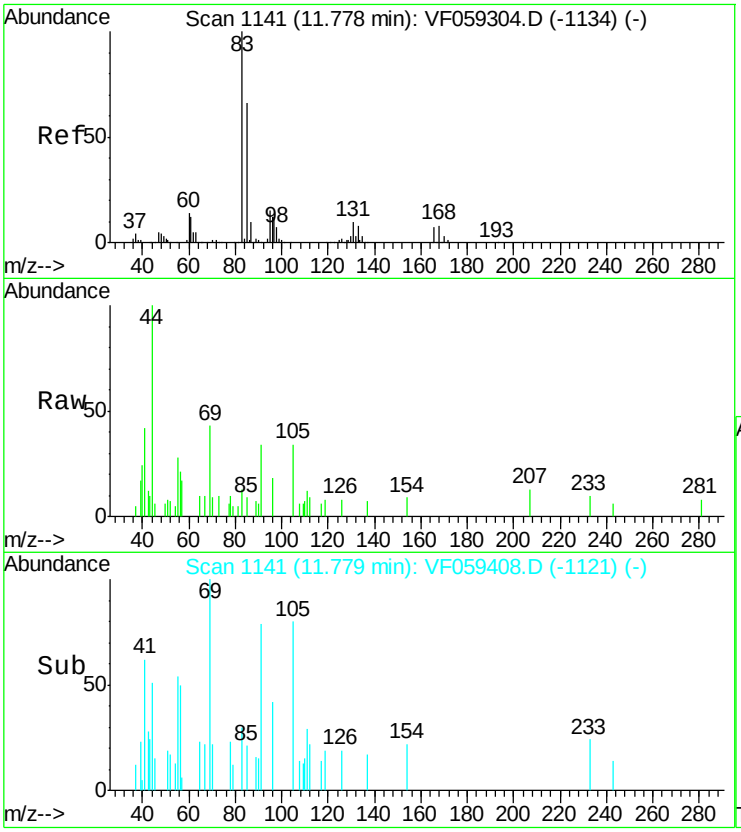


#74
N-amyl acetate
Concen: 2.567 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 43 Resp: 2749

Ion	Ratio	Lower	Upper
43	100		
70	24.0	28.8	43.2#
55	24.9	17.4	26.0
61	12.6	21.1	31.7#



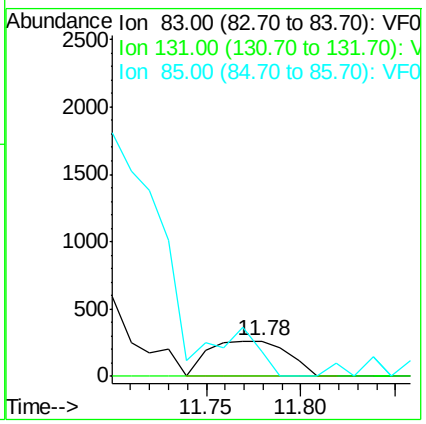


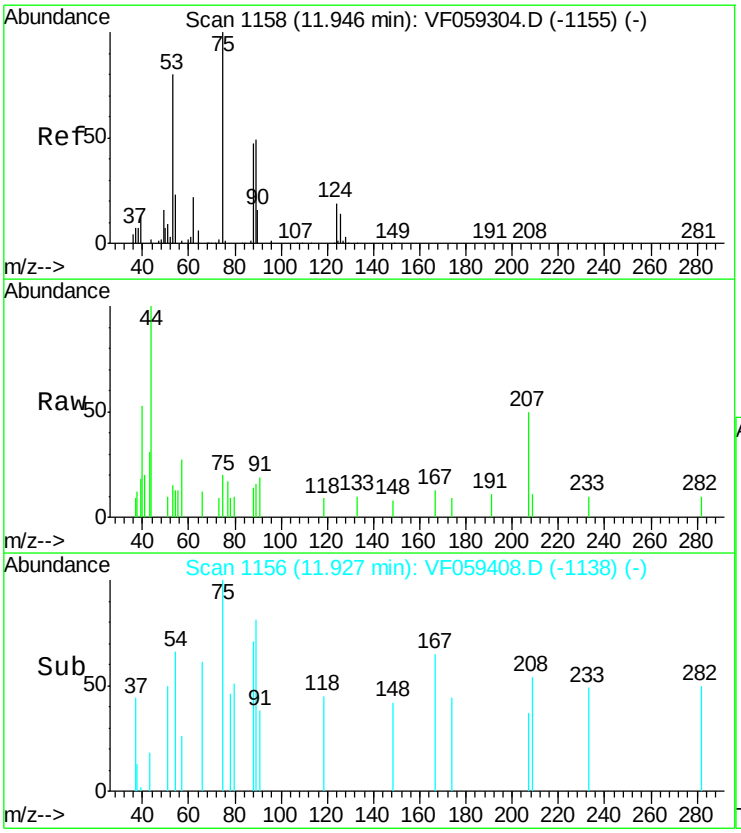
#75
1,1,2,2-Tetrachloroethane
Concen: 1.035 ug/l
RT: 11.78 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion: 83 Resp: 771

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	68.9	32.8	98.4

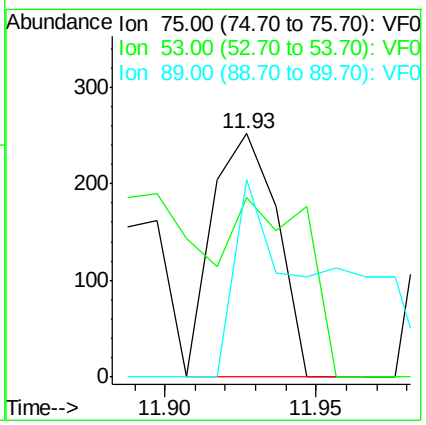


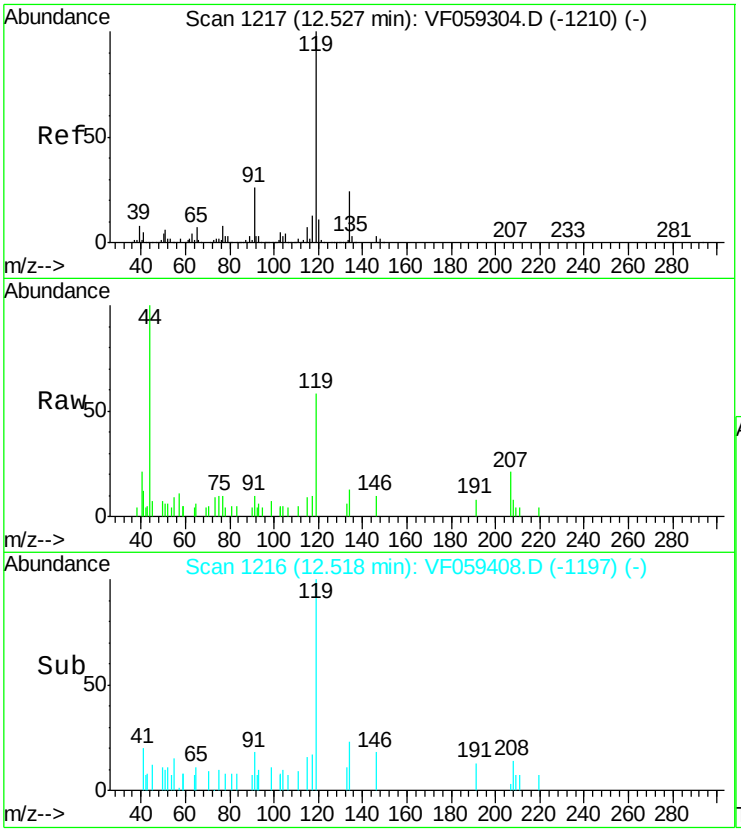


#81
trans-1,4-Dichloro-2-butene
Concen: 1.118 ug/l
RT: 11.93 min Scan# 1156
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 75 Resp: 374

Ion	Ratio	Lower	Upper
75	100		
53	73.8	68.8	103.2
89	81.0	42.0	63.0#



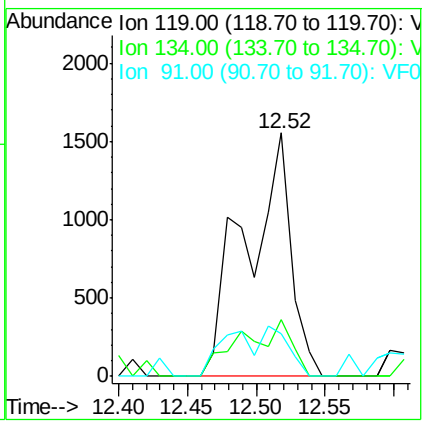


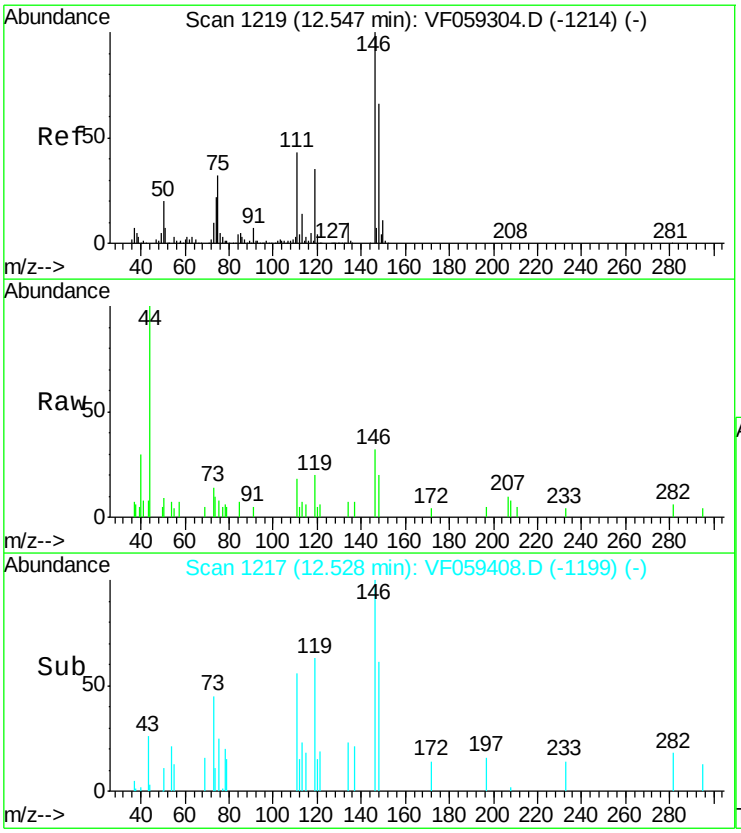
#86
p-Isopropyltoluene
Concen: 1.234 ug/l
RT: 12.52 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion:119 Resp: 3548

Ion	Ratio	Lower	Upper
119	100		
134	23.3	12.2	36.4
91	17.7	12.9	38.6

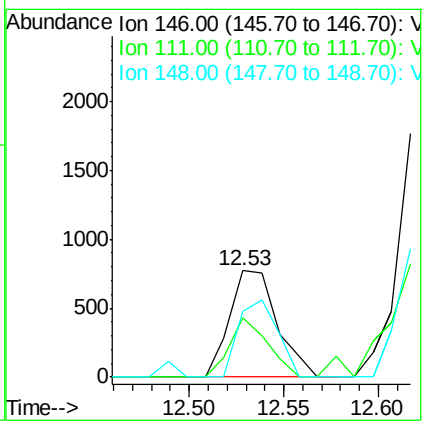


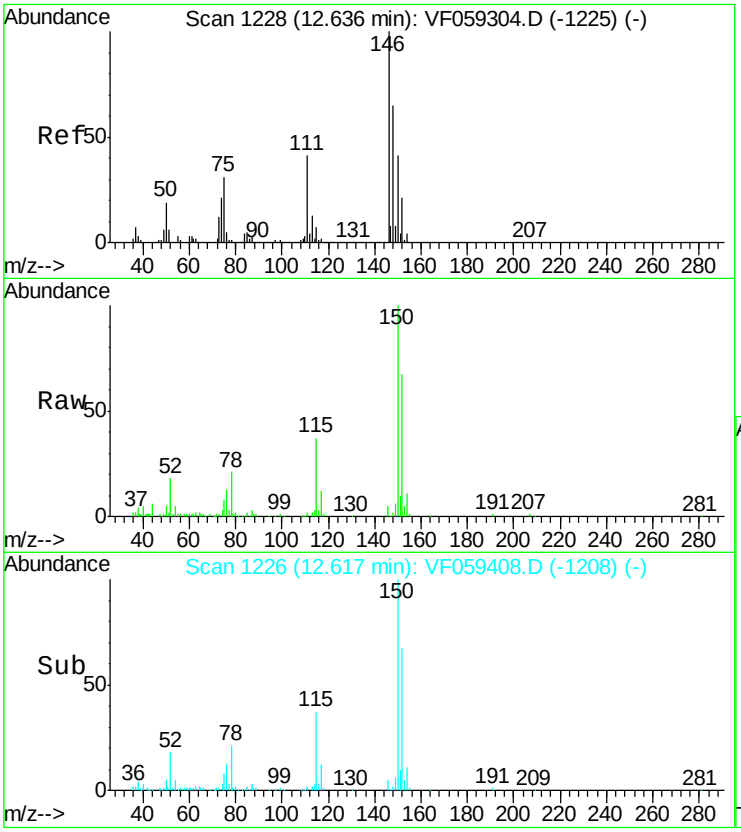


#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.53 min Scan# 1217
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion:146 Resp: 1341

Ion	Ratio	Lower	Upper
146	100		
111	56.2	21.4	64.2
148	61.4	32.8	98.4



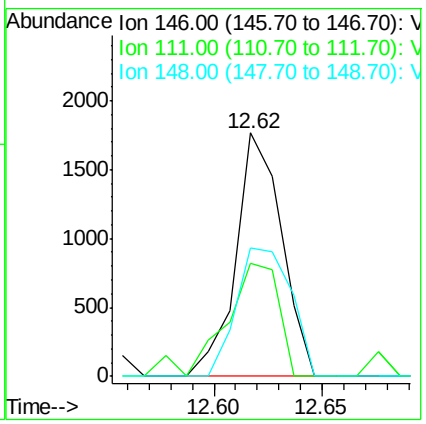


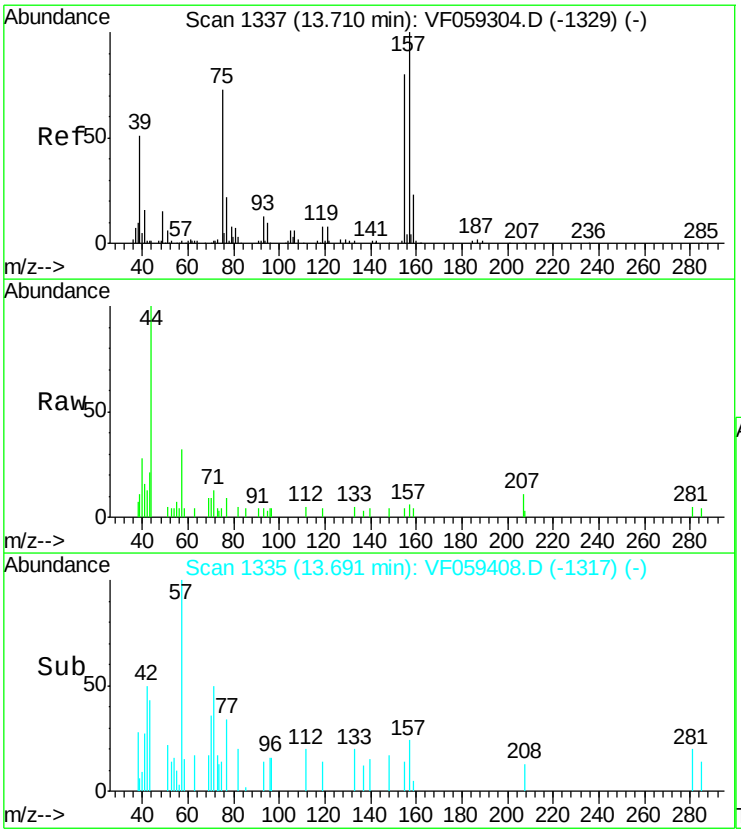
#88
1,4-Dichlorobenzene
Concen: 1.775 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion:146 Resp: 2595

Ion	Ratio	Lower	Upper
146	100		
111	46.4	20.7	62.1
148	52.5	32.8	98.3

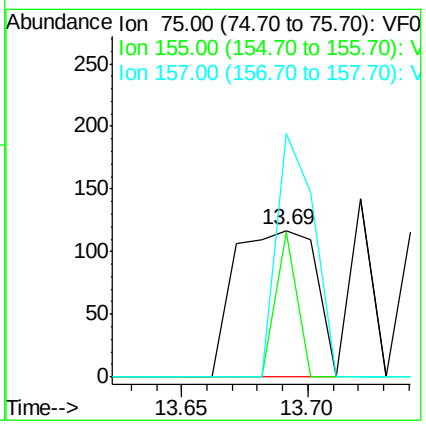


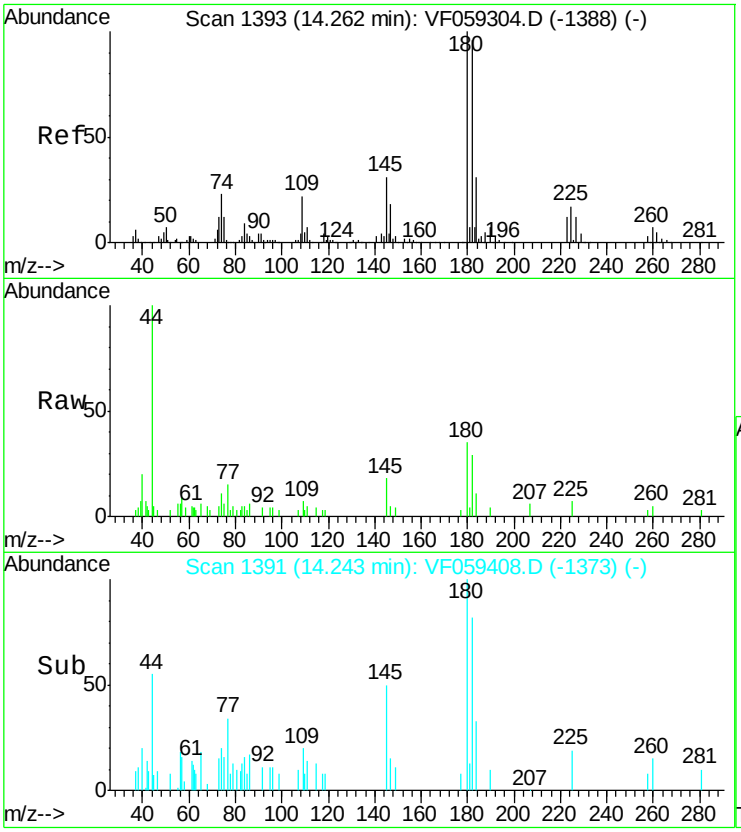


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.586 ug/l
RT: 13.69 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion: 75 Resp: 262

Ion	Ratio	Lower	Upper
75	100		
155	99.1	54.6	163.8
157	165.8	68.7	205.9



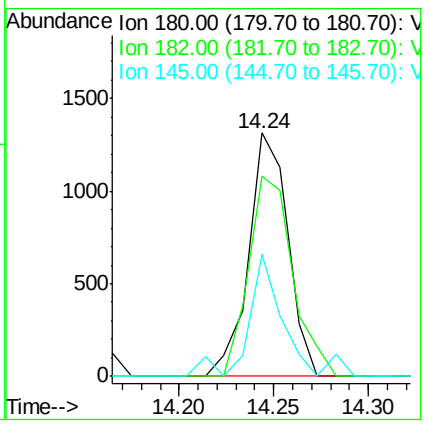


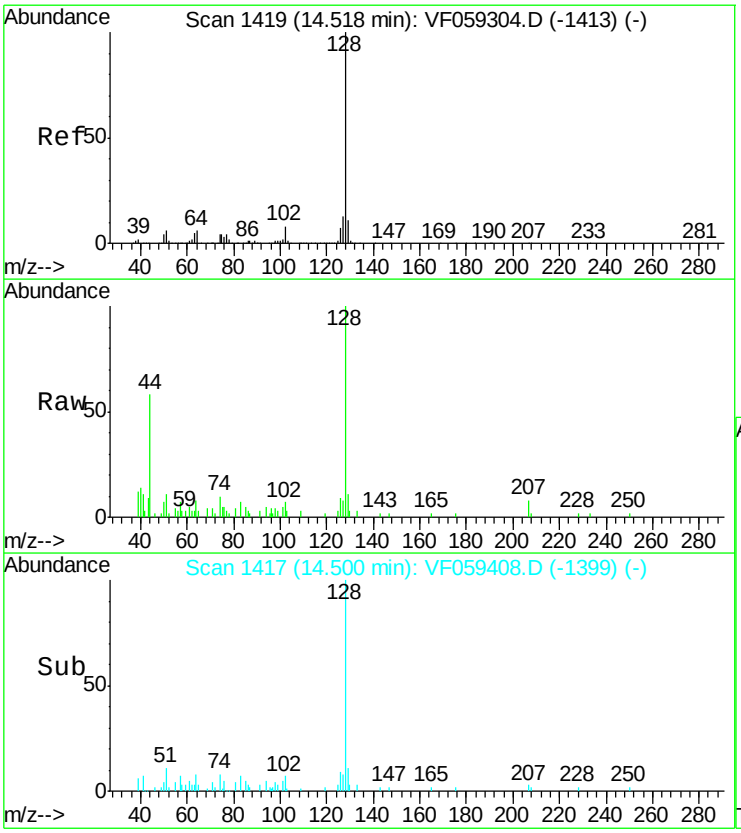
#93
1,2,4-Trichlorobenzene
Concen: 1.721 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion:180 Resp: 1891

Ion	Ratio	Lower	Upper
180	100		
182	82.3	48.1	144.3
145	50.4	15.3	45.8#

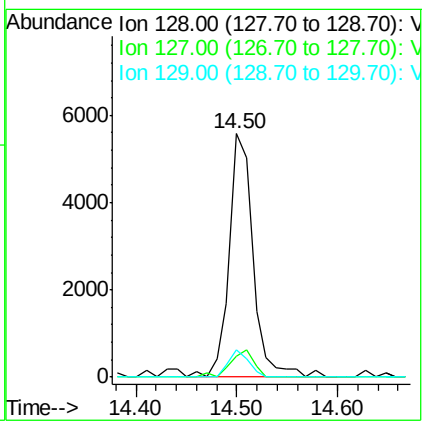


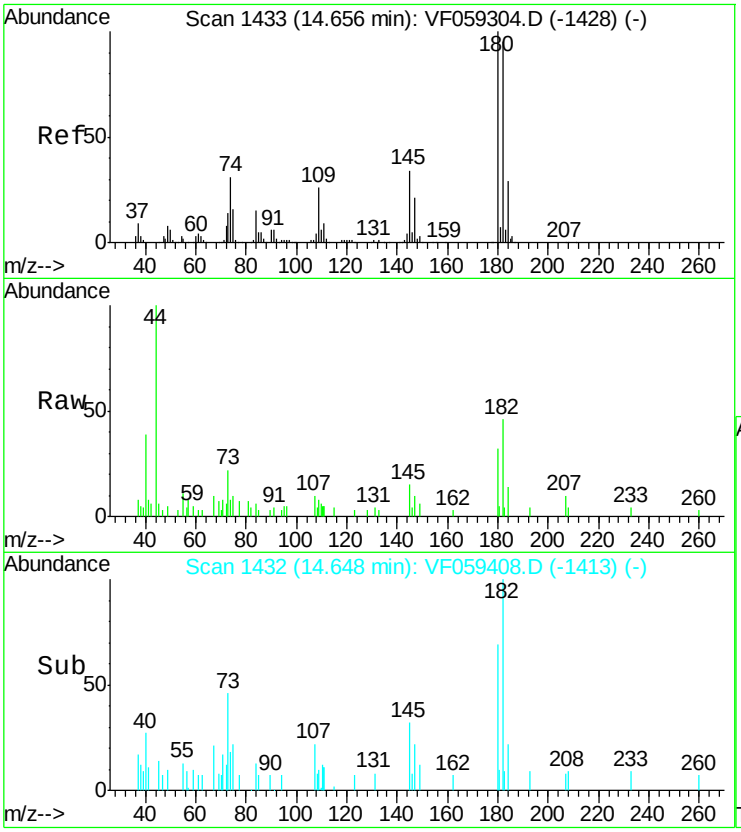


#95
Naphthalene
Concen: 3.990 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.02 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Tgt Ion:128 Resp: 9174

Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.1	15.1#
129	11.3	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 1.597 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VF059408.D
Acq: 3 Jul 2018 13:26

Instrument :
MSVOA_F
ClientSampleId :
SB-5(3-5)RE

Tgt Ion:180 Resp: 1663

Ion	Ratio	Lower	Upper
180	100		
182	145.7	47.5	142.5#
145	46.7	17.0	50.9