Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070518\
Data File : VF059442.D
Acq On : 5 Jul 2018 18:59
Operator : VA/AP
Sample : J3854-01
Misc : 2.11g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : S4

Quant Time: Jul 06 02:06:16 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	4.92	168	64	50.00	ug/l	-0.11
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.76
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.91
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	85	102.80	ug/l	-0.15
Spiked Amount 50.000			Recovery = 205.60%			
35) Dibromofluoromethane	4.25	113	60	0.00	ug/l	-0.03
Spiked Amount 50.000			Recovery = 0.00%			
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery = 0.00%			
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.88	85	66	112.872	ug/l #	40
3) Chloromethane	0.98	50	85	216.379	ug/l #	41
4) Vinyl Chloride	1.14	62	63	162.929	ug/l #	42
5) Bromomethane	1.37	94	205	573.055	ug/l #	4
8) Diethyl Ether	1.64	74	64	326.439	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.74	101	81	181.481	ug/l #	18
11) Tert butyl alcohol	2.66	59	178	3233.555	ug/l #	66
12) 1,1-Dichloroethene	1.78	96	124	328.634	ug/l #	1
13) Acrolein	2.03	56	96	3943.002	ug/l #	10
14) Allyl chloride	2.11	41	66	93.182	ug/l #	37
15) Acrylonitrile	2.93	53	60	618.951	ug/l #	9
16) Acetone	2.23	43	203	1014.187	ug/l #	65
17) Carbon Disulfide	1.79	76	61	68.727	ug/l #	71
18) Methyl Acetate	2.41	43	727	1993.195	ug/l #	61
19) Methyl tert-butyl Ether	2.40	73	92	65.369	ug/l #	63
20) Methylene Chloride	2.07	84	85	206.419	ug/l #	1
21) trans-1,2-Dichloroethene	2.36	96	62	154.037	ug/l #	1
22) Diisopropyl ether	2.79	45	83	52.918	ug/l #	37
23) Vinyl Acetate	3.23	43	63	63.070	ug/l #	79
24) 1,1-Dichloroethane	2.97	63	139	142.936	ug/l #	90
25) 2-Butanone	4.40	43	61	243.798	ug/l #	59
26) 2,2-Dichloropropane	3.70	77	157	234.073	ug/l #	62
29) Tetrahydrofuran	4.13	42	94	907.141	ug/l #	36
31) Cyclohexane	3.73	56	74	116.160	ug/l #	4
32) 1,1,1-Trichloroethane	4.29	97	63	61.152	ug/l #	21

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

Quantitation Report (QT Reviewed)

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Misc : 2.11g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
S4

Quant Time: Jul 06 02:06:16 2018
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Quant Title : SW846 8260
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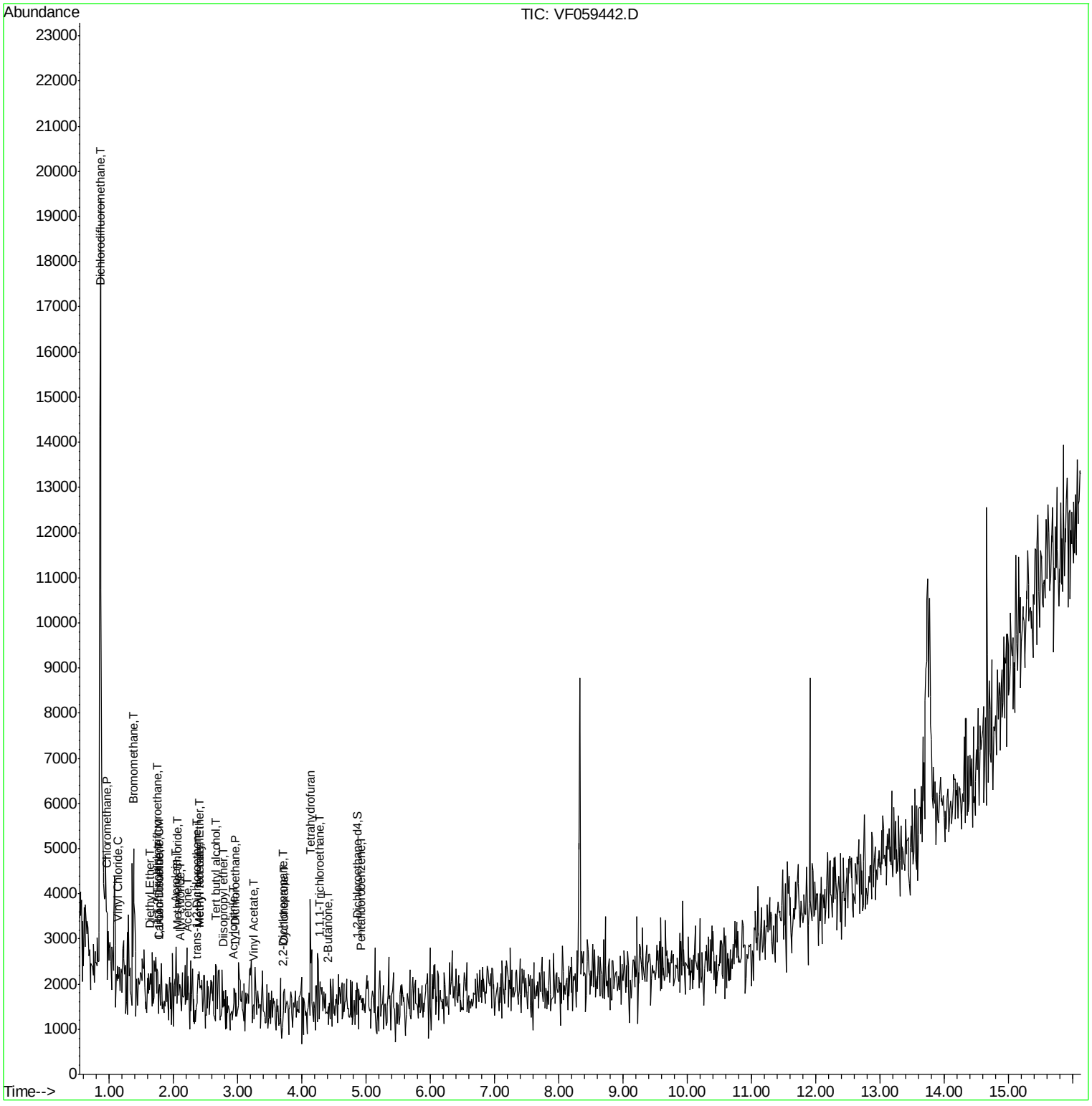
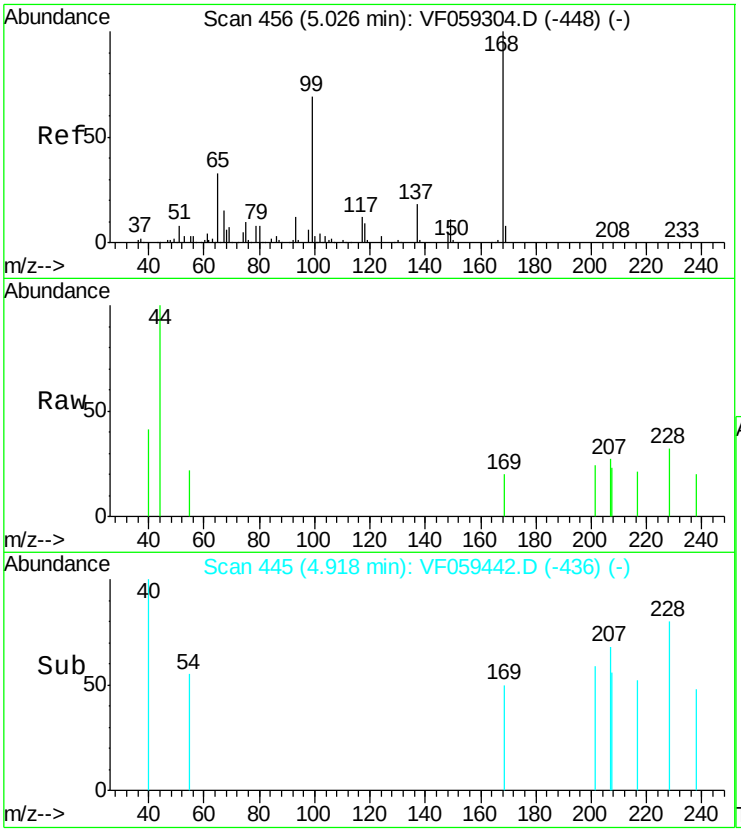


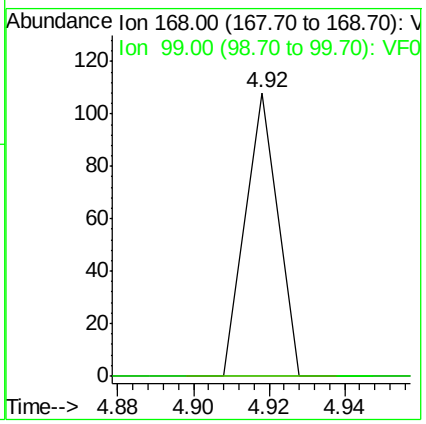


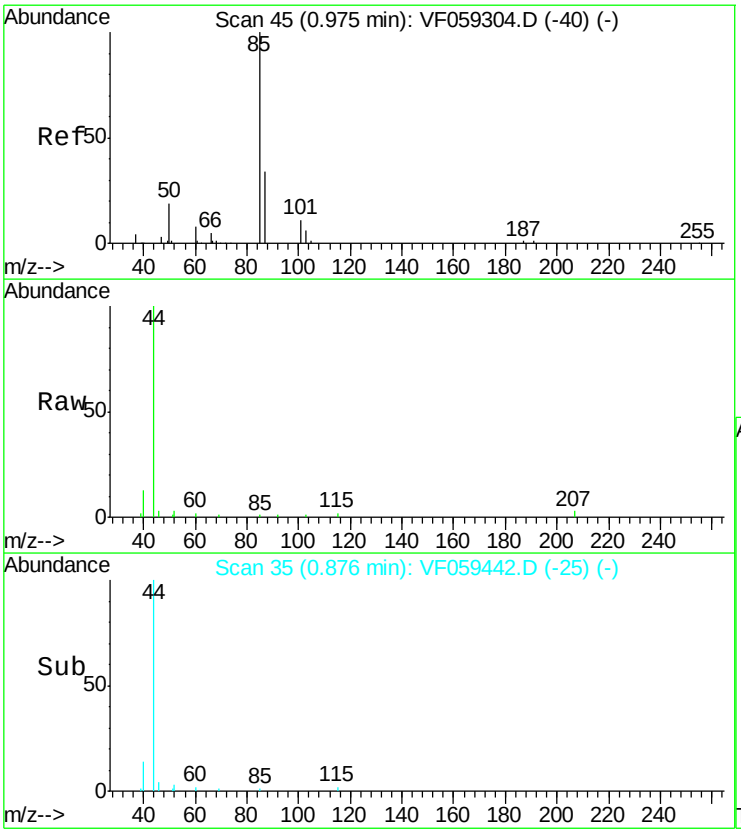
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.11 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
S4

Tgt Ion:168 Resp: 64

Ion	Ratio	Lower	Upper
168	100		
99	0.0	54.9	82.3#

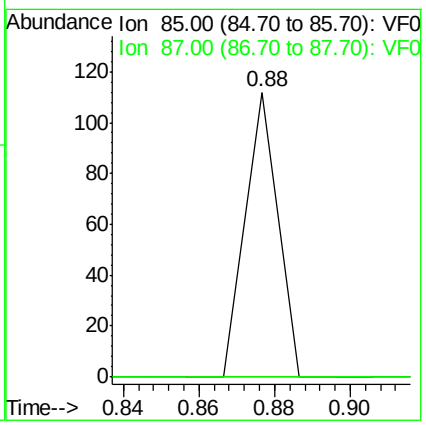


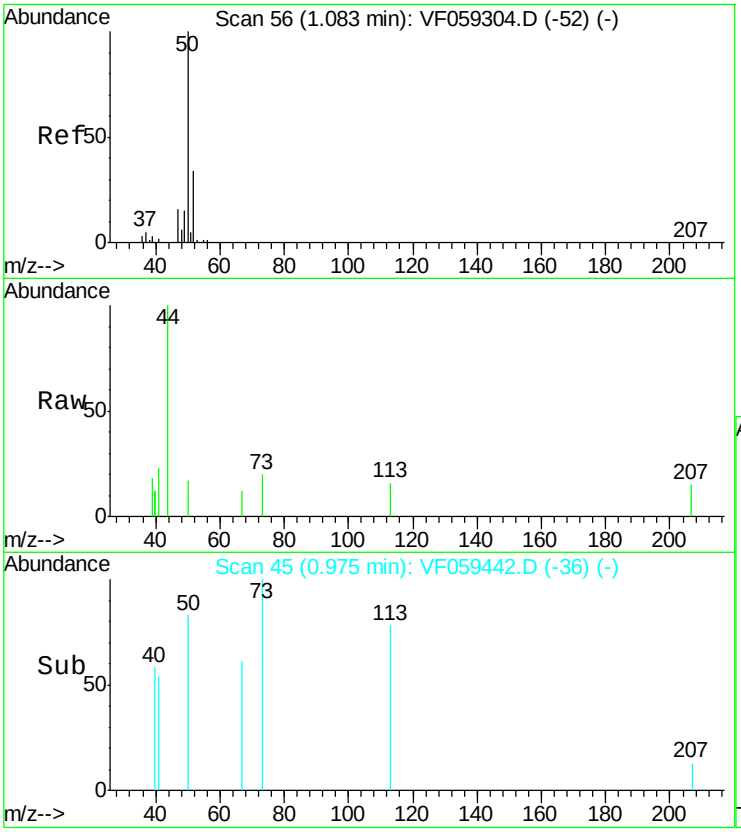


#2
Dichlorodifluoromethane
Concen: 112.872 ug/l
RT: 0.88 min Scan# 35
Delta R.T. -0.10 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 85 Resp: 66

Ion	Ratio	Lower	Upper
85	100		
87	0.0	17.1	51.3#



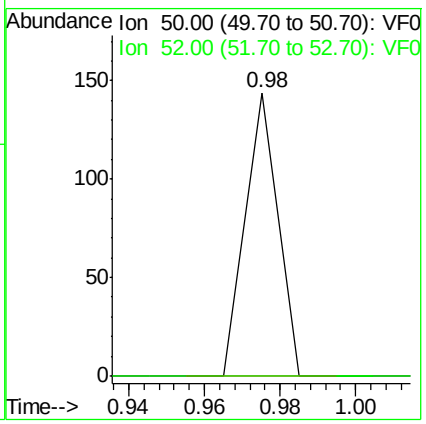


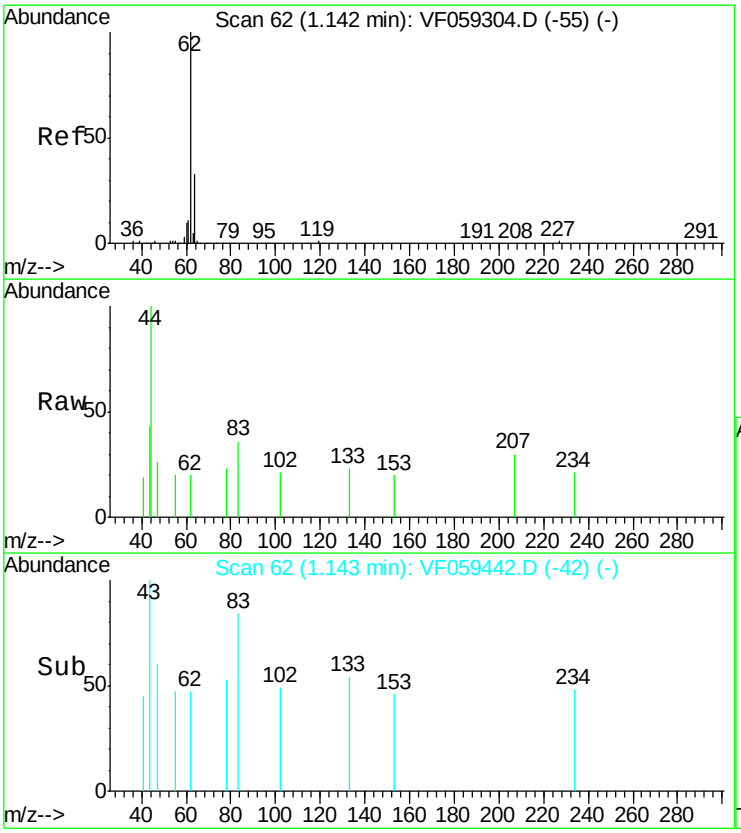
#3
Chloromethane
Concen: 216.379 ug/l
RT: 0.98 min Scan# 45
Delta R.T. -0.11 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
S4

Tgt Ion: 50 Resp: 85

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.7	40.1#

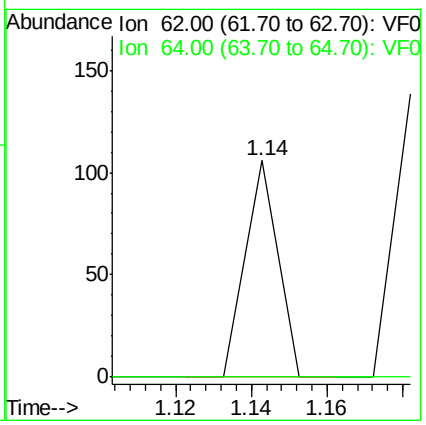


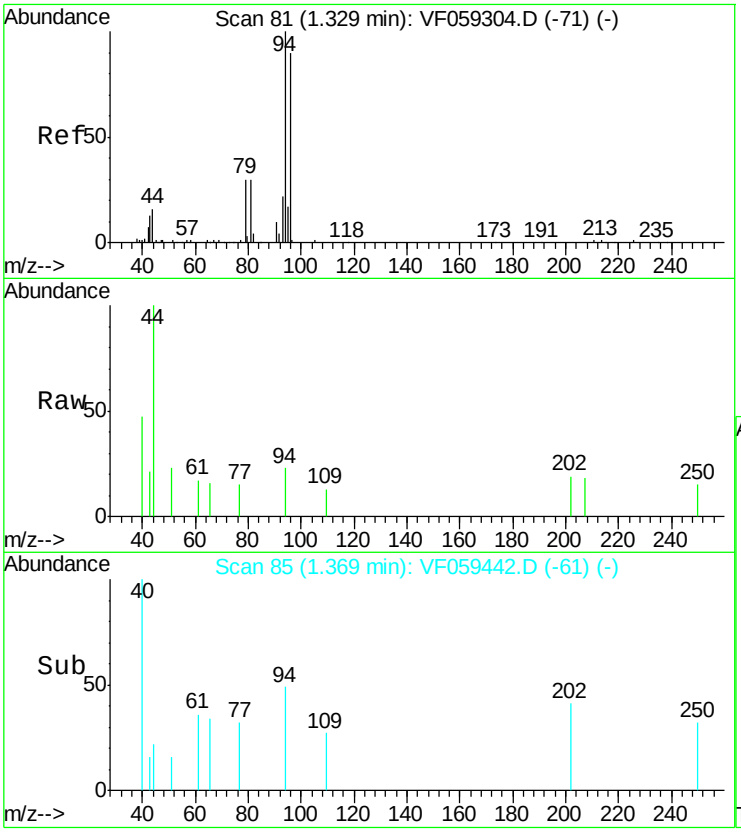


#4
Vinyl Chloride
Concen: 162.929 ug/l
RT: 1.14 min Scan# 62
Delta R.T. 0.00 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 62 Resp: 63

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.3	39.5#



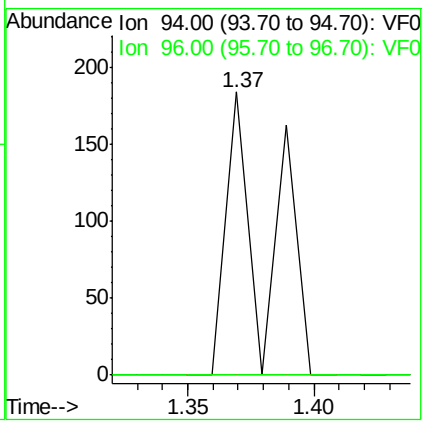


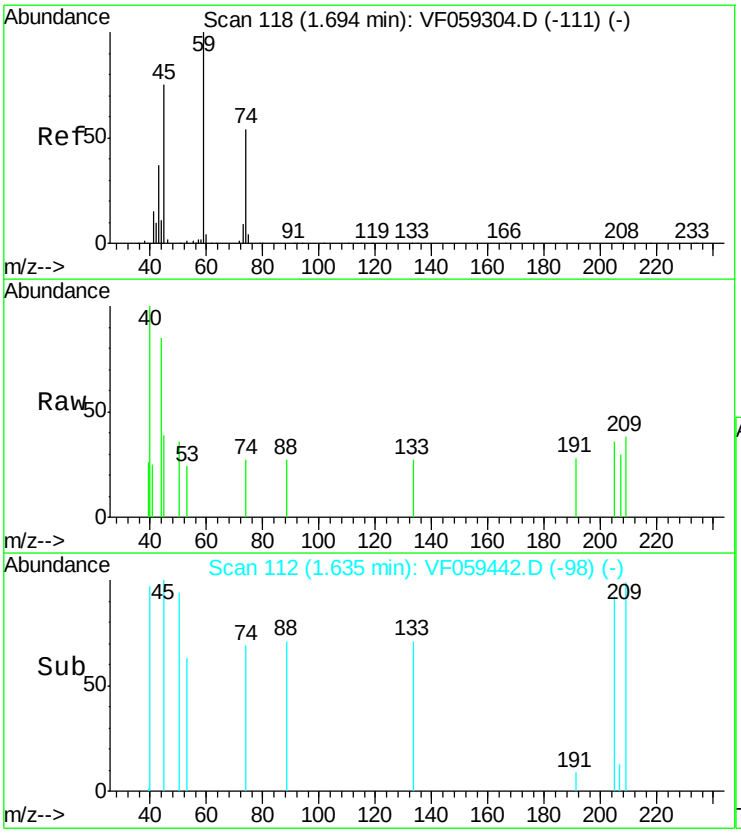
#5
Bromomethane
Concen: 573.055 ug/l
RT: 1.37 min Scan# 85
Delta R.T. 0.04 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
S4

Tgt Ion: 94 Resp: 205

Ion	Ratio	Lower	Upper
94	100		
96	0.0	73.4	110.0#

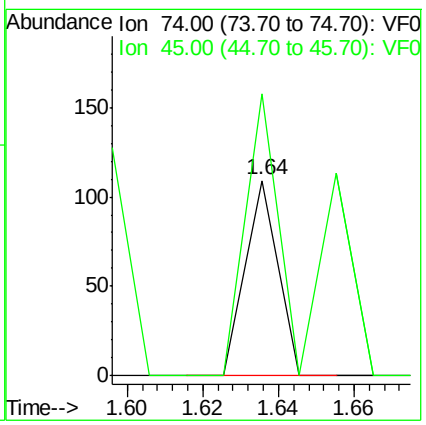


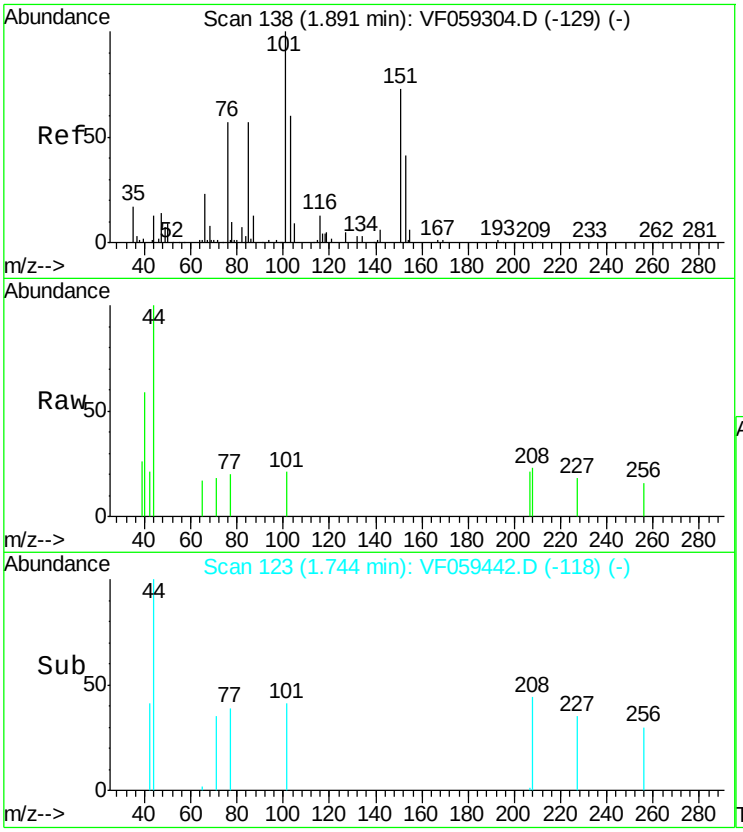


#8
Diethyl Ether
Concen: 326.439 ug/l
RT: 1.64 min Scan# 112
Delta R.T. -0.06 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 74 Resp: 64

Ion	Ratio	Lower	Upper
74	100		
45	145.0	70.0	210.0



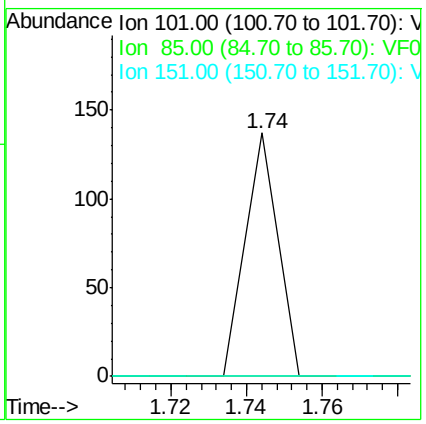


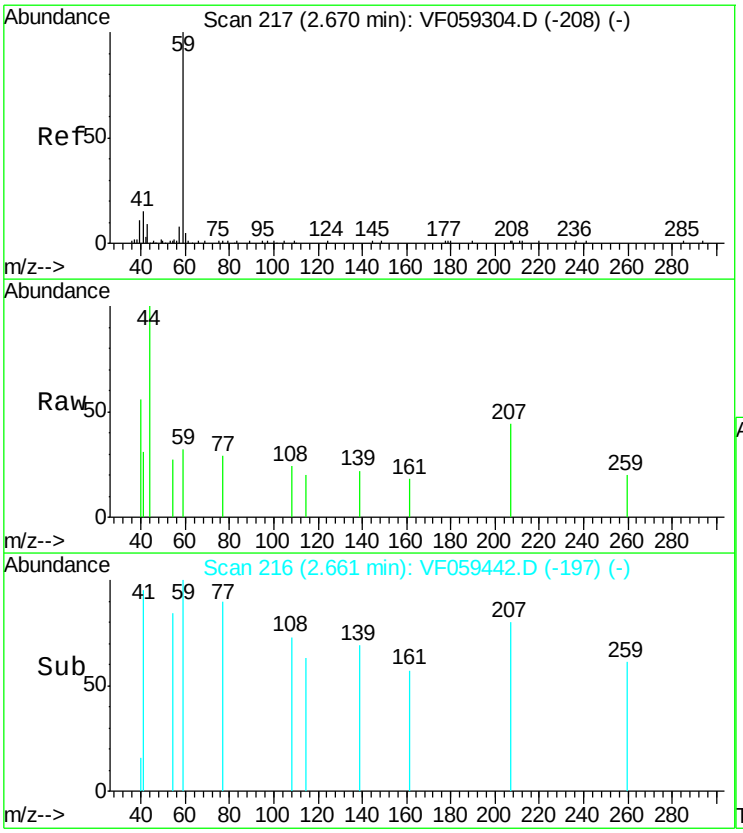
#9
1,1,2-Trichlorotrifluoroethane
Concen: 181.481 ug/l
RT: 1.74 min Scan# 123
Delta R.T. -0.15 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
S4

Tgt Ion:101 Resp: 81

Ion	Ratio	Lower	Upper
101	100		
85	0.0	44.5	66.7#
151	0.0	56.8	85.2#

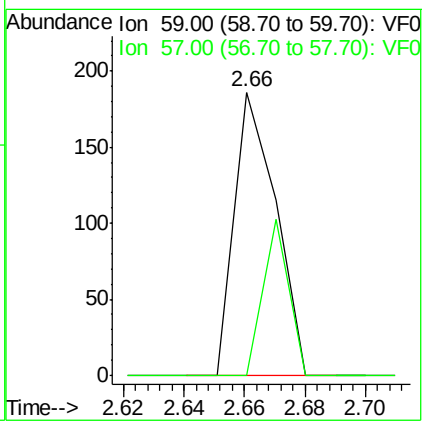


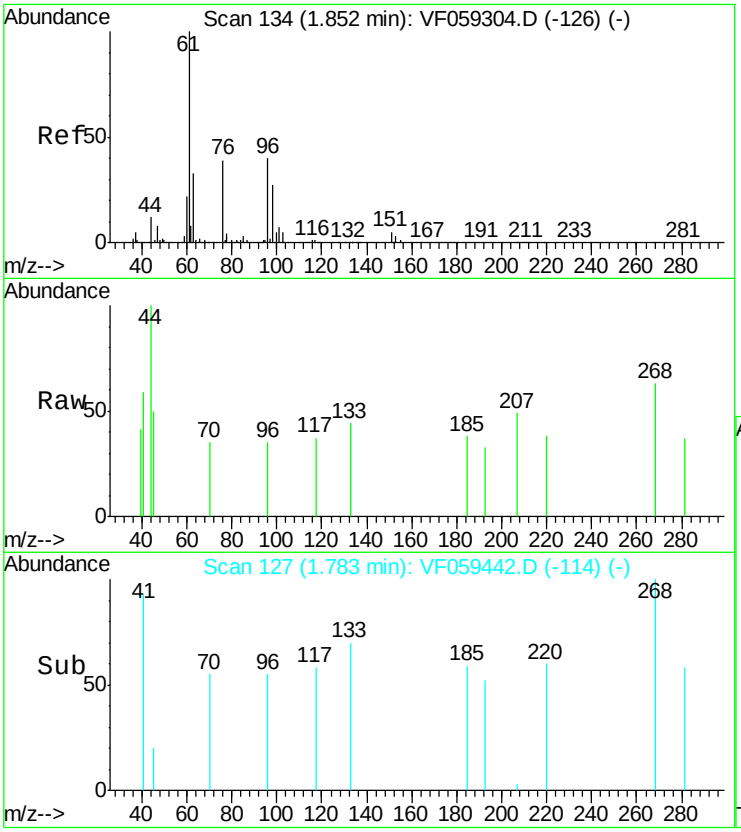


#11
Tert butyl alcohol
Concen: 3233.555 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 59 Resp: 178

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.0	16.4#



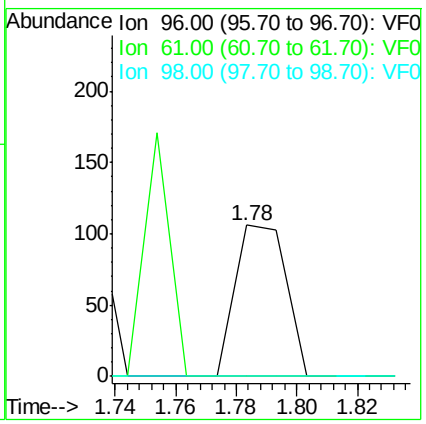


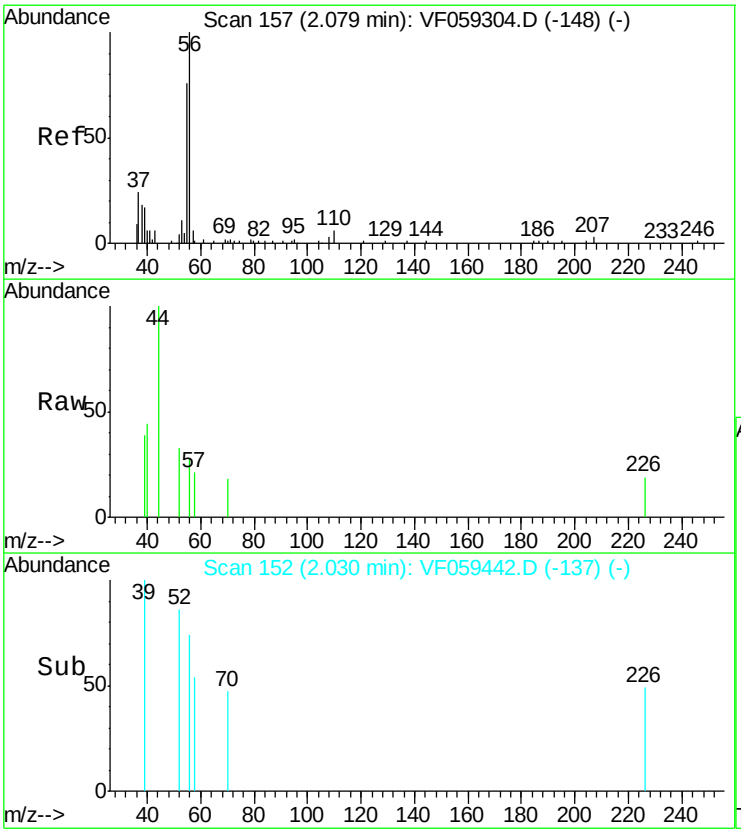
#12
1,1-Dichloroethene
Concen: 328.634 ug/l
RT: 1.78 min Scan# 127
Delta R.T. -0.07 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument : MSVOA_F
ClientSampleId : S4

Tgt Ion: 96 Resp: 124

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

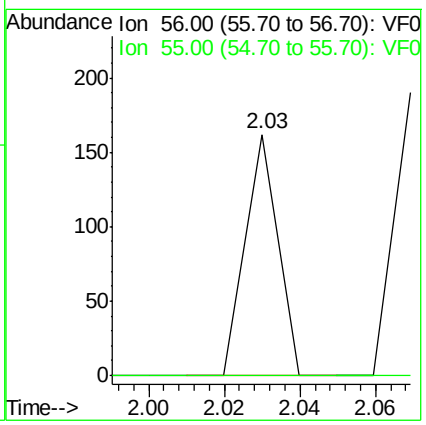


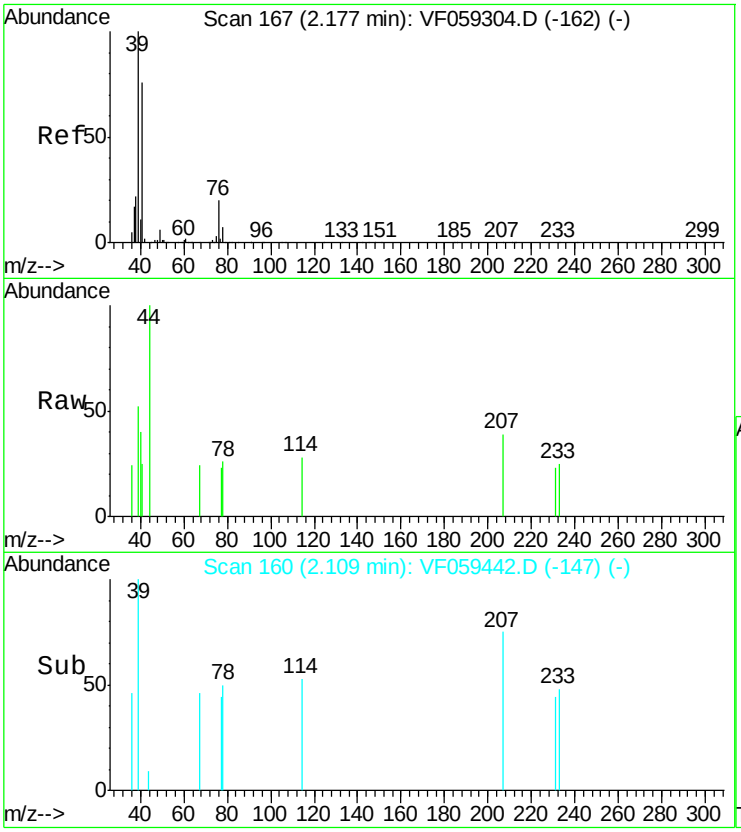


#13
Acrolein
Concen: 3943.002 ug/l
RT: 2.03 min Scan# 152
Delta R.T. -0.05 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 56 Resp: 96

Ion	Ratio	Lower	Upper
56	100		
55	0.0	62.4	93.6#



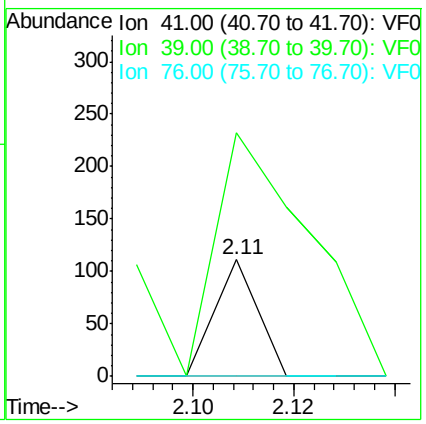


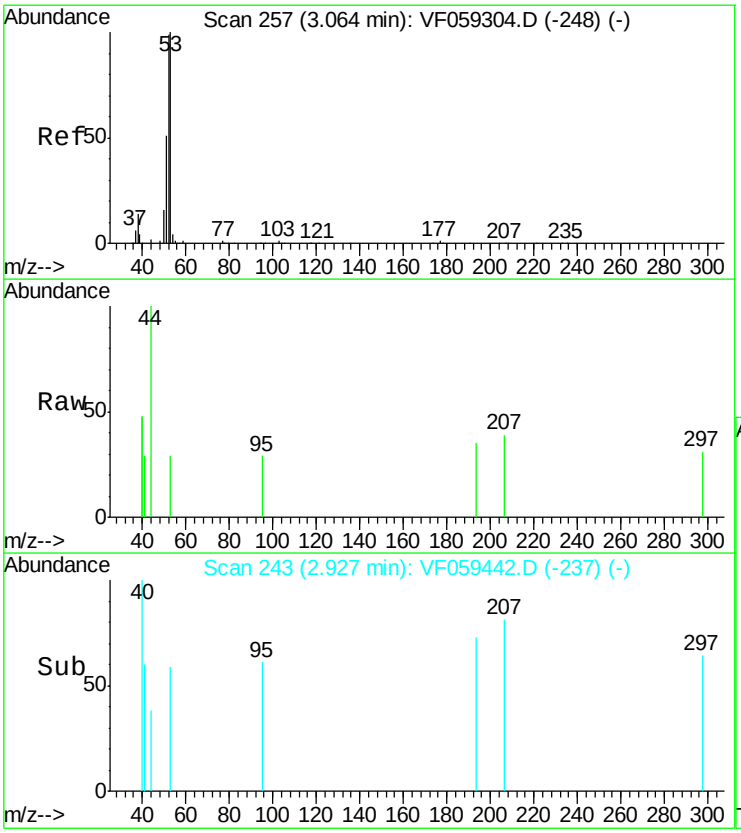
#14
Allyl chloride
Concen: 93.182 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.07 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument : MSVOA_F
ClientSampleId : S4

Tgt Ion: 41 Resp: 66

Ion	Ratio	Lower	Upper
41	100		
39	209.0	105.6	158.4#
76	0.0	21.6	32.4#

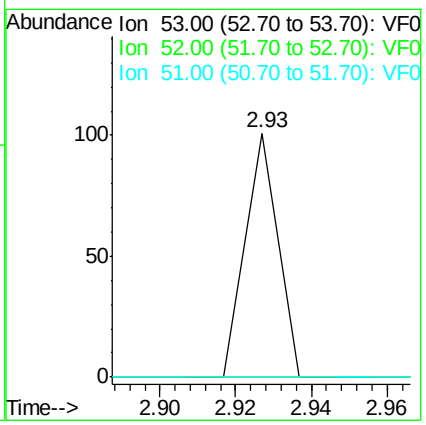


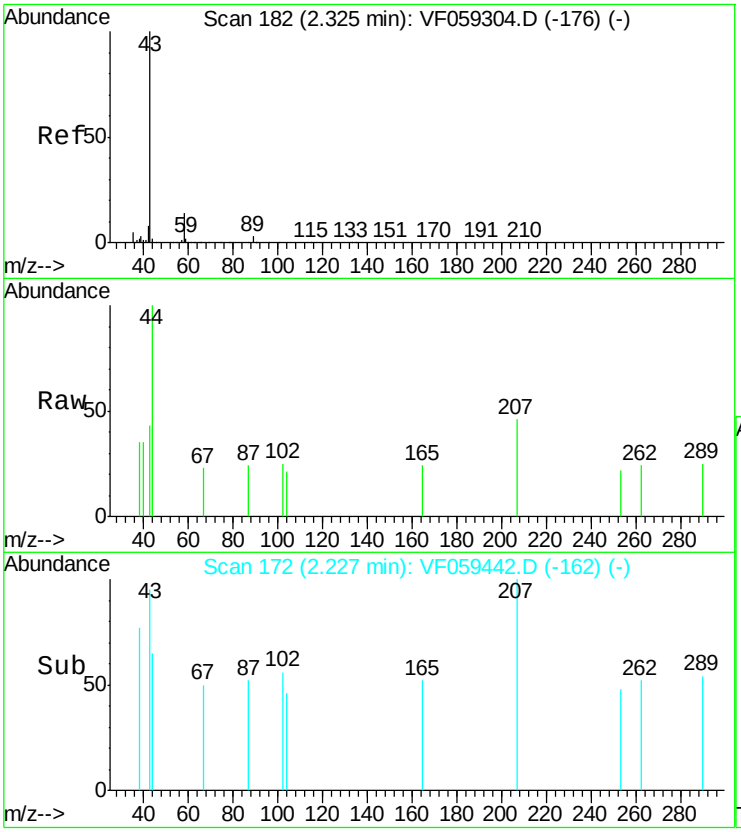


#15
Acrylonitrile
Concen: 618.951 ug/l
RT: 2.93 min Scan# 243
Delta R.T. -0.14 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 53 Resp: 60

Ion	Ratio	Lower	Upper
53	100		
52	0.0	79.2	118.8#
51	0.0	40.9	61.3#



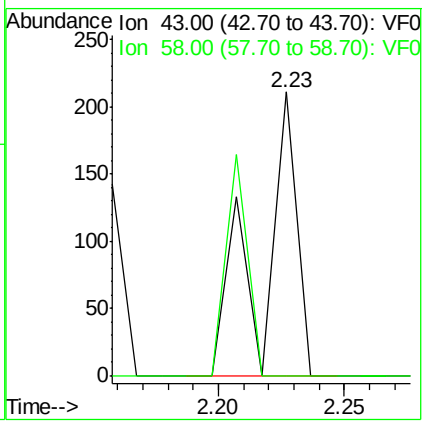


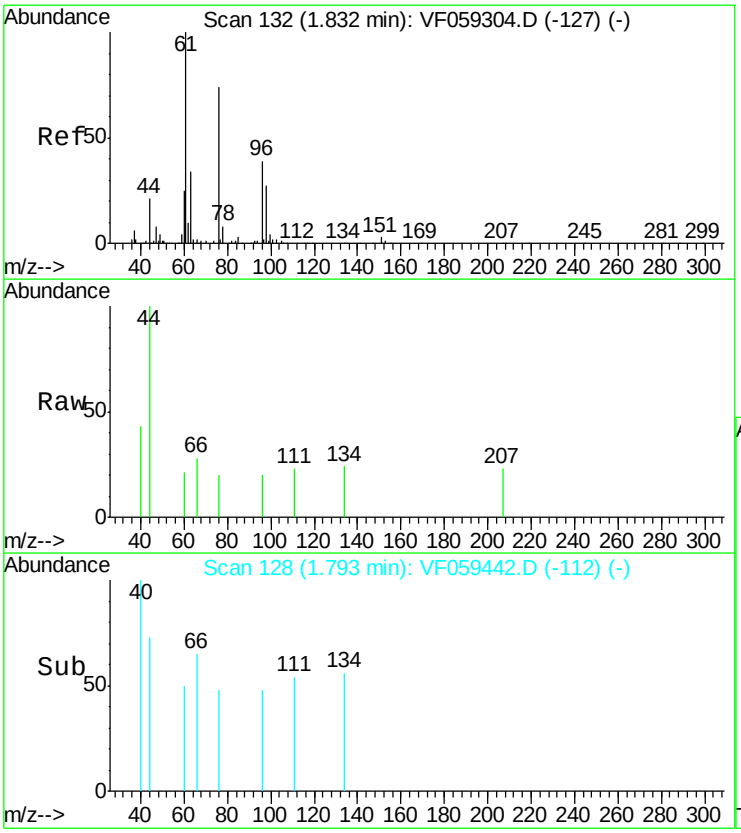
#16
Acetone
Concen: 1014.187 ug/l
RT: 2.23 min Scan# 172
Delta R.T. -0.10 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument : MSVOA_F
ClientSampleId : S4

Tgt Ion: 43 Resp: 203

Ion	Ratio	Lower	Upper
43	100		
58	0.0	11.4	17.0#

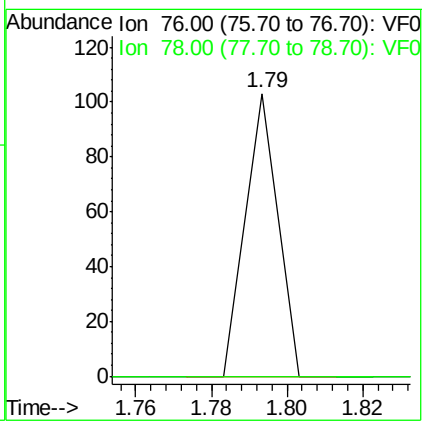


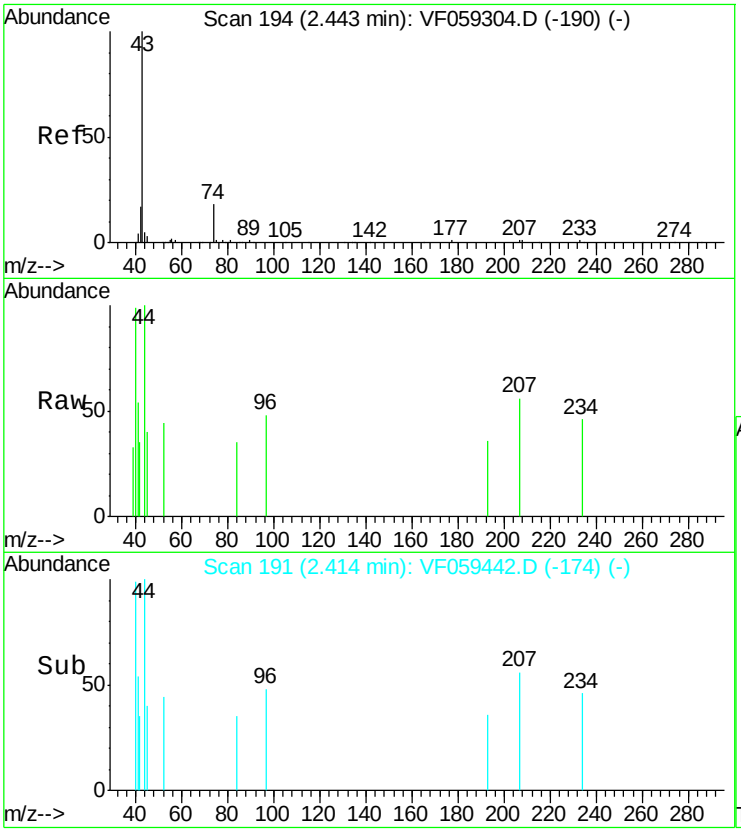


#17
Carbon Disulfide
Concen: 68.727 ug/l
RT: 1.79 min Scan# 128
Delta R.T. -0.04 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 76 Resp: 61

Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.9	13.3#



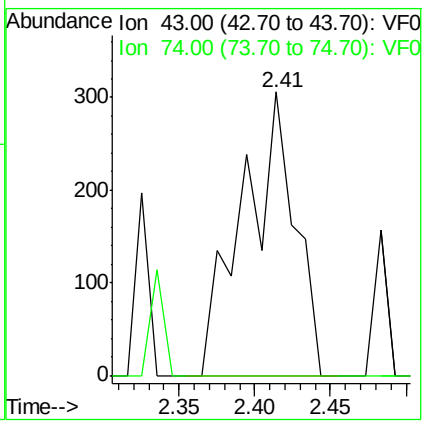


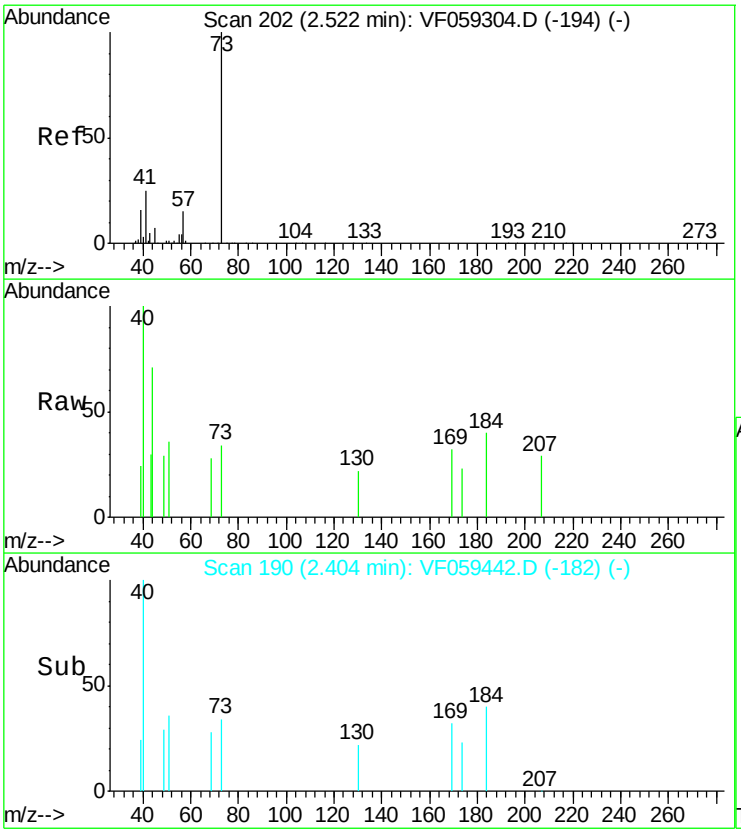
#18
Methyl Acetate
Concen: 1993.195 ug/l
RT: 2.41 min Scan# 191
Delta R.T. -0.03 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument : MSVOA_F
ClientSampleId : S4

Tgt Ion: 43 Resp: 727

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.3	19.9#

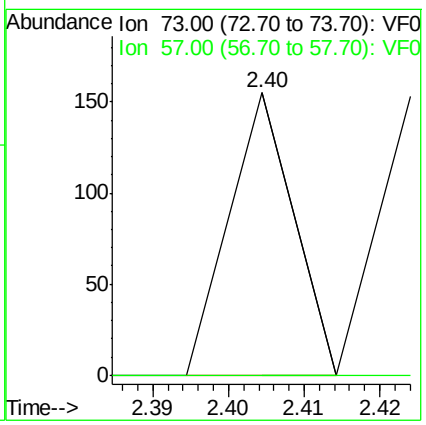


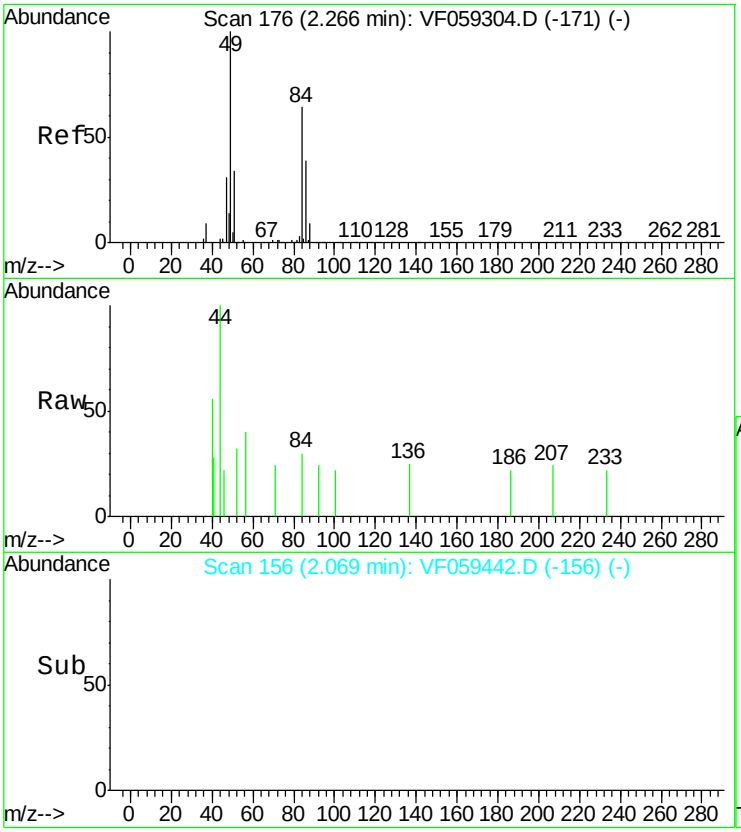


#19
Methyl tert-butyl Ether
Concen: 65.369 ug/l
RT: 2.40 min Scan# 190
Delta R.T. -0.12 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 73 Resp: 92

Ion	Ratio	Lower	Upper
73	100		
57	0.0	12.3	18.5#



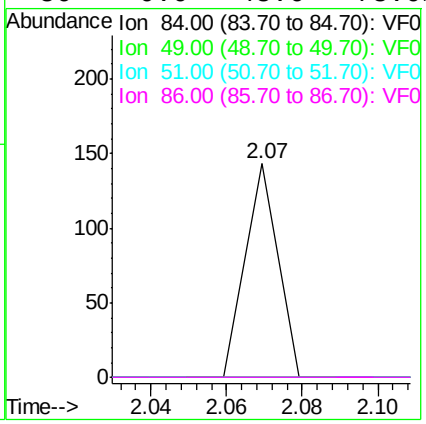


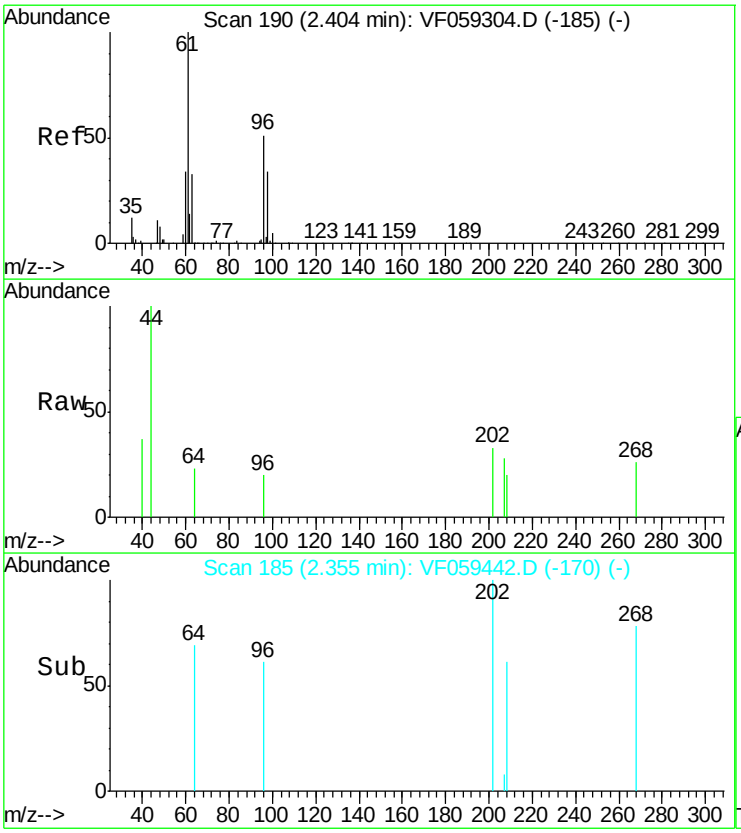
#20
Methylene Chloride
Concen: 206.419 ug/l
RT: 2.07 min Scan# 156
Delta R.T. -0.20 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument : MSVOA_F
ClientSampleId : S4

Tgt Ion: 84 Resp: 85

Ion	Ratio	Lower	Upper
84	100		
49	0.0	126.5	189.7#
51	0.0	42.9	64.3#
86	0.0	48.6	73.0#

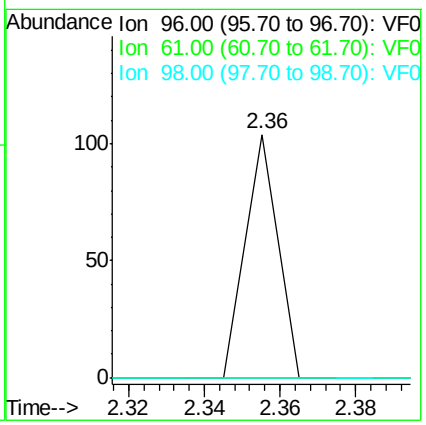


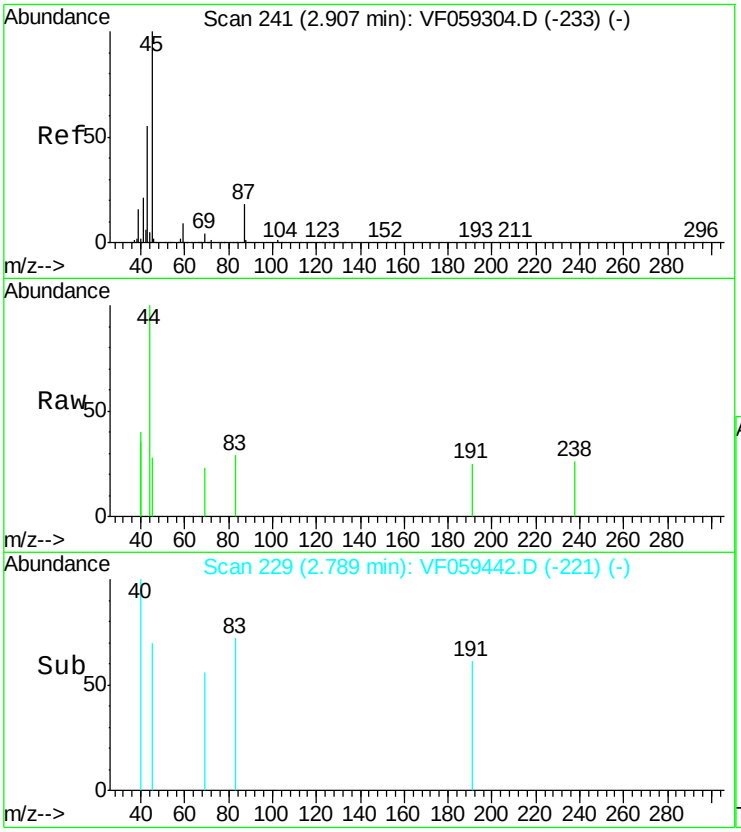


#21
trans-1,2-Dichloroethene
Concen: 154.037 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.05 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 96 Resp: 62

Ion	Ratio	Lower	Upper
96	100		
61	0.0	157.4	236.2#
98	0.0	53.7	80.5#



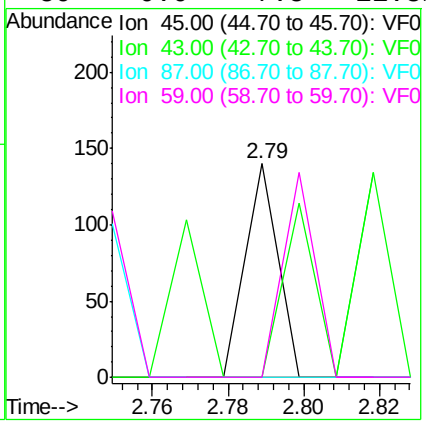


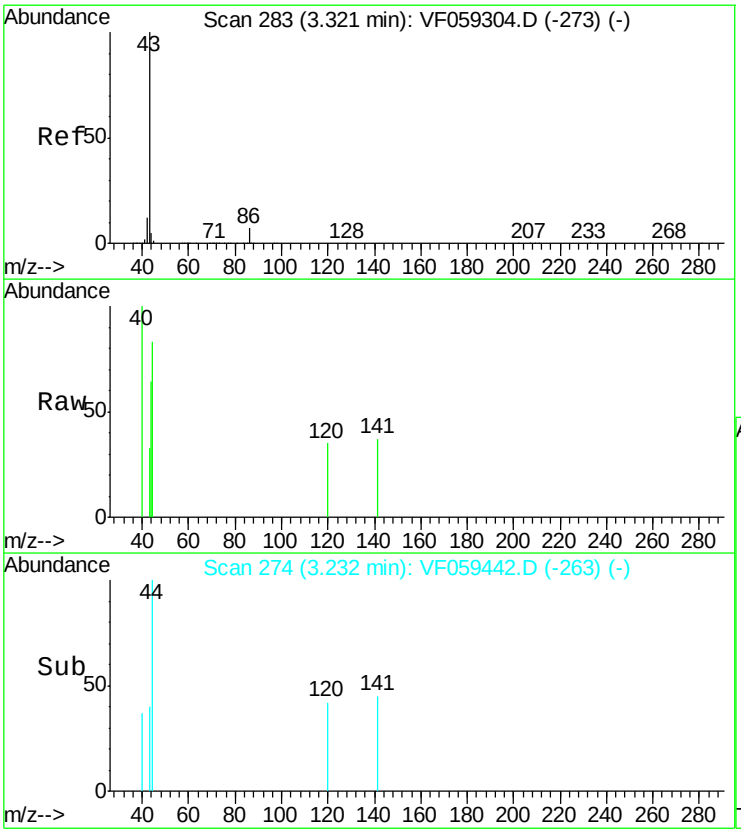
#22
Diisopropyl ether
Concen: 52.918 ug/l
RT: 2.79 min Scan# 229
Delta R.T. -0.12 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument : MSVOA_F
ClientSampleId : S4

Tgt Ion: 45 Resp: 83

Ion	Ratio	Lower	Upper
45	100		
43	0.0	44.6	66.8#
87	0.0	14.3	21.5#
59	0.0	7.5	11.3#

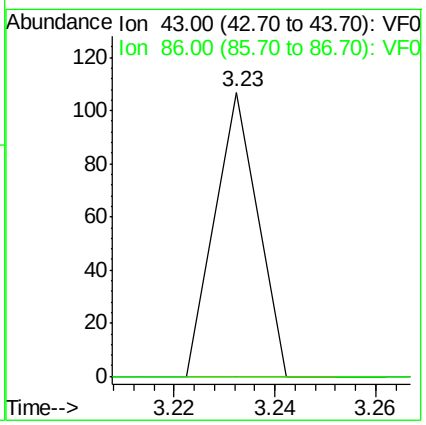


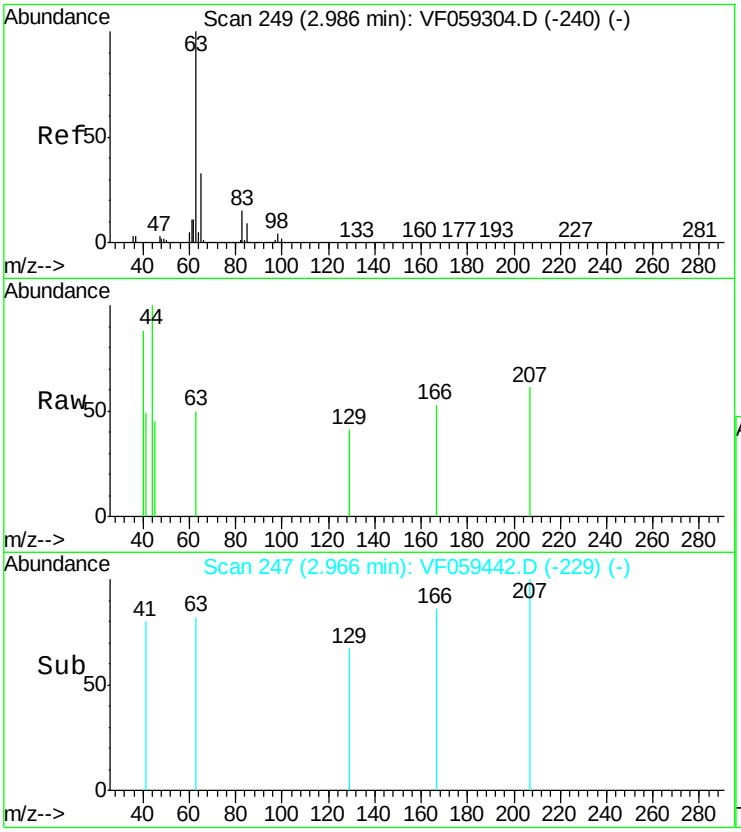


#23
Vinyl Acetate
Concen: 63.070 ug/l
RT: 3.23 min Scan# 274
Delta R.T. -0.09 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 43 Resp: 63

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#



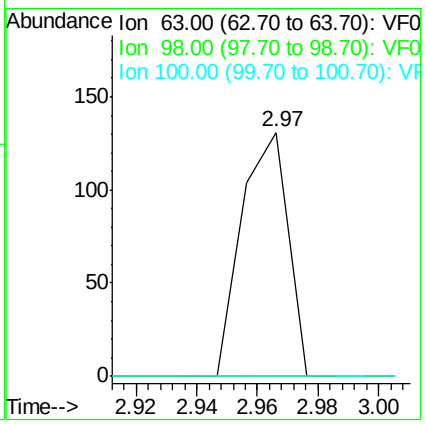


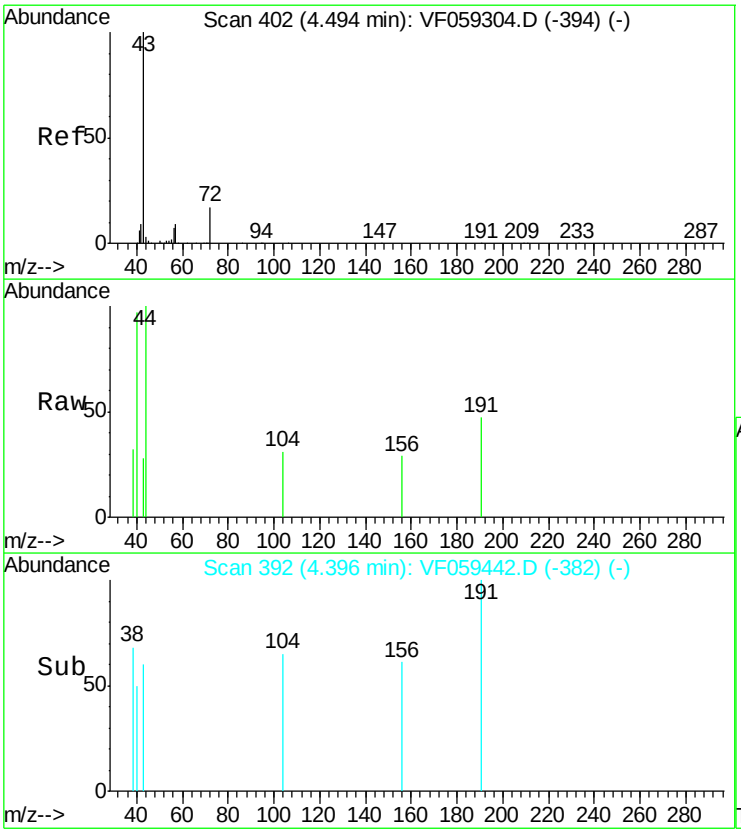
#24
1,1-Dichloroethane
Concen: 142.936 ug/l
RT: 2.97 min Scan# 247
Delta R.T. -0.02 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
S4

Tgt Ion: 63 Resp: 139

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.0	6.0#
100	0.0	1.3	3.9#

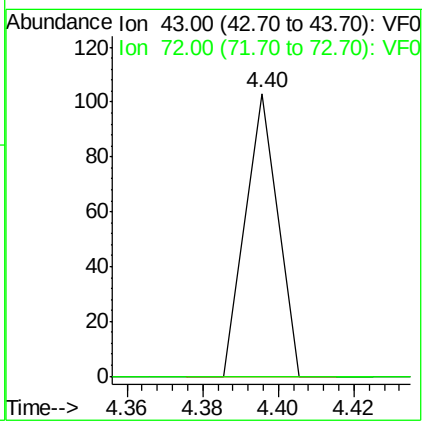


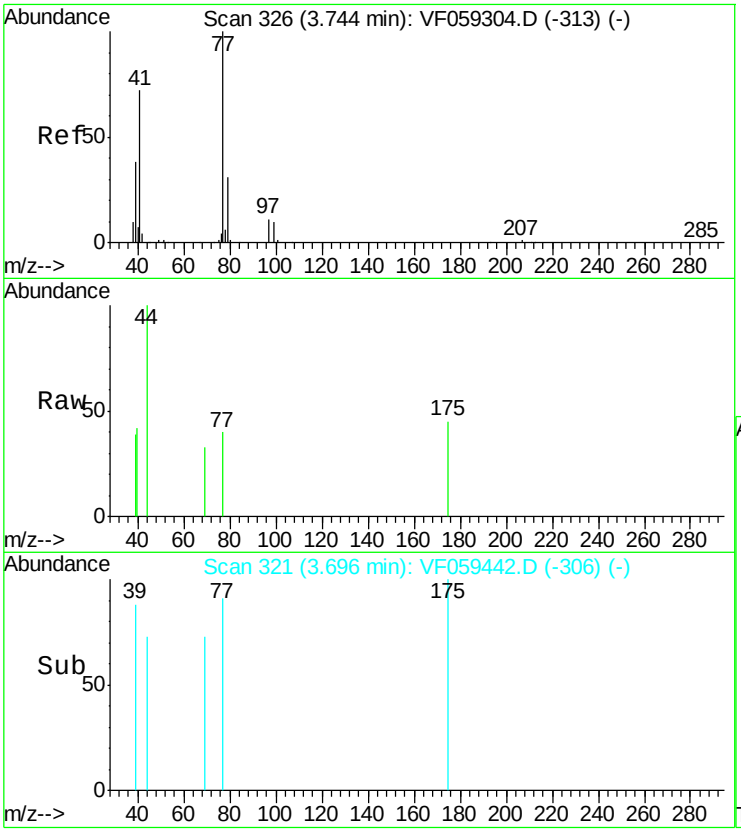


#25
2-Butanone
Concen: 243.798 ug/l
RT: 4.40 min Scan# 392
Delta R.T. -0.10 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 43 Resp: 61

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.4	21.6#



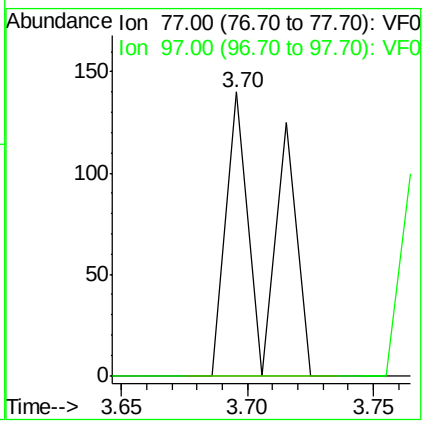


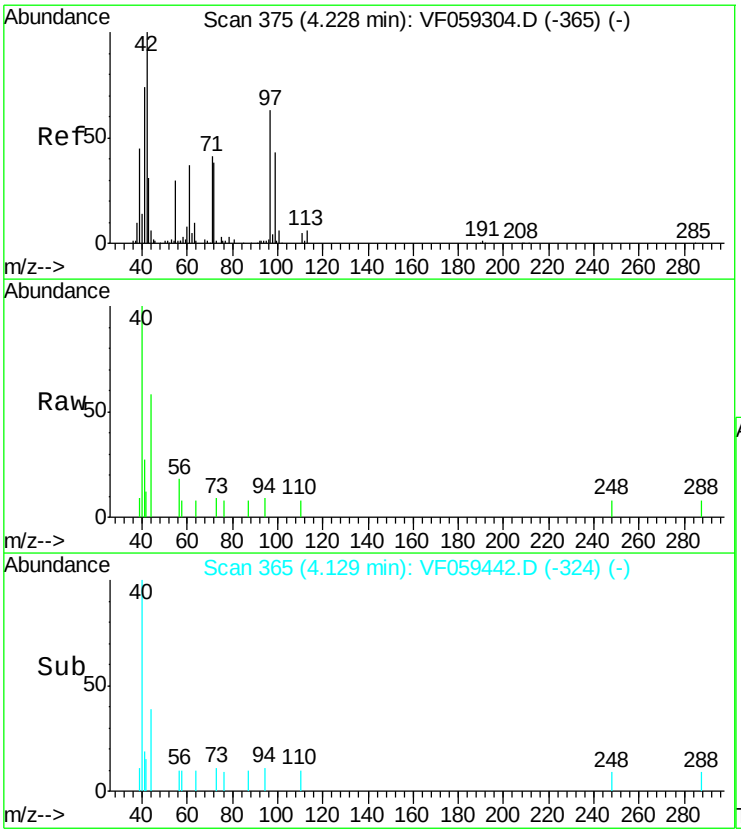
#26
2,2-Dichloropropane
Concen: 234.073 ug/l
RT: 3.70 min Scan# 321
Delta R.T. -0.05 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument : MSVOA_F
ClientSampleId : S4

Tgt Ion: 77 Resp: 157

Ion	Ratio	Lower	Upper
77	100		
97	0.0	8.0	23.8#

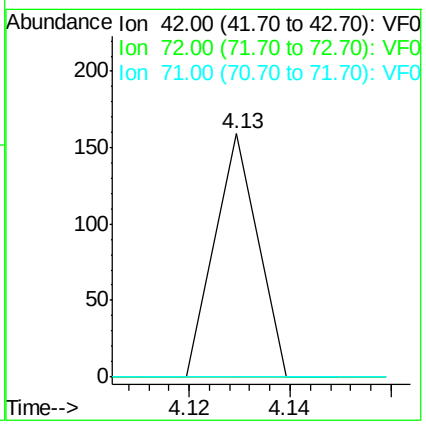


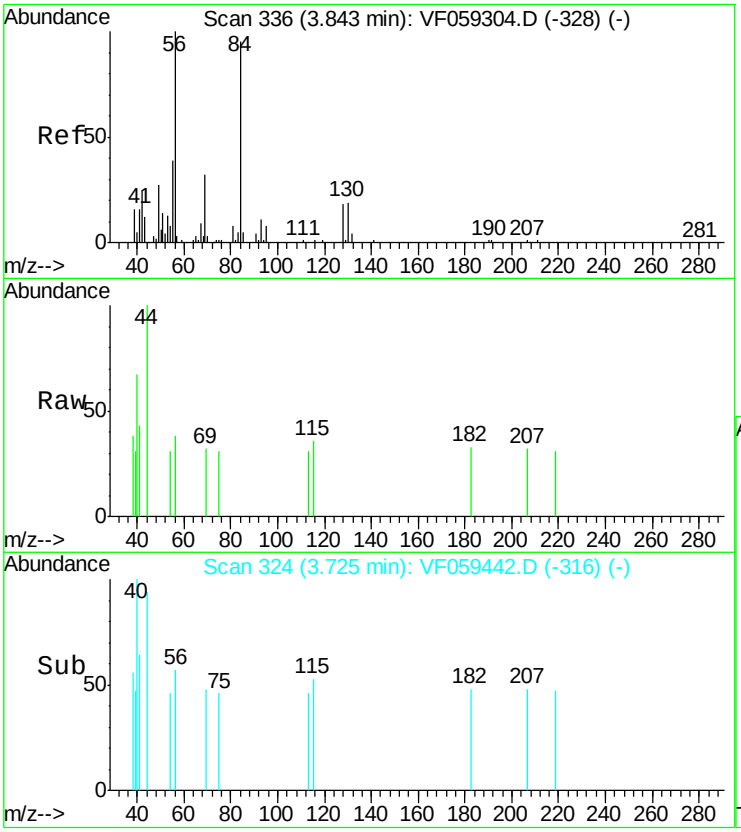


#29
Tetrahydrofuran
Concen: 907.141 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.10 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 42 Resp: 94

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



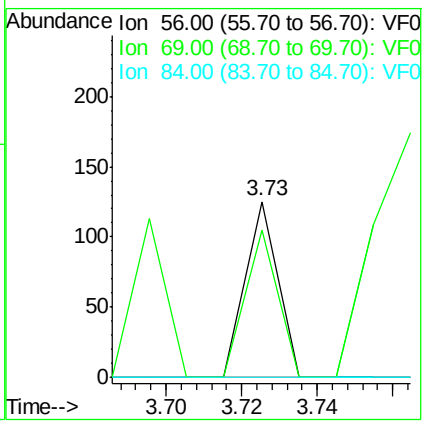


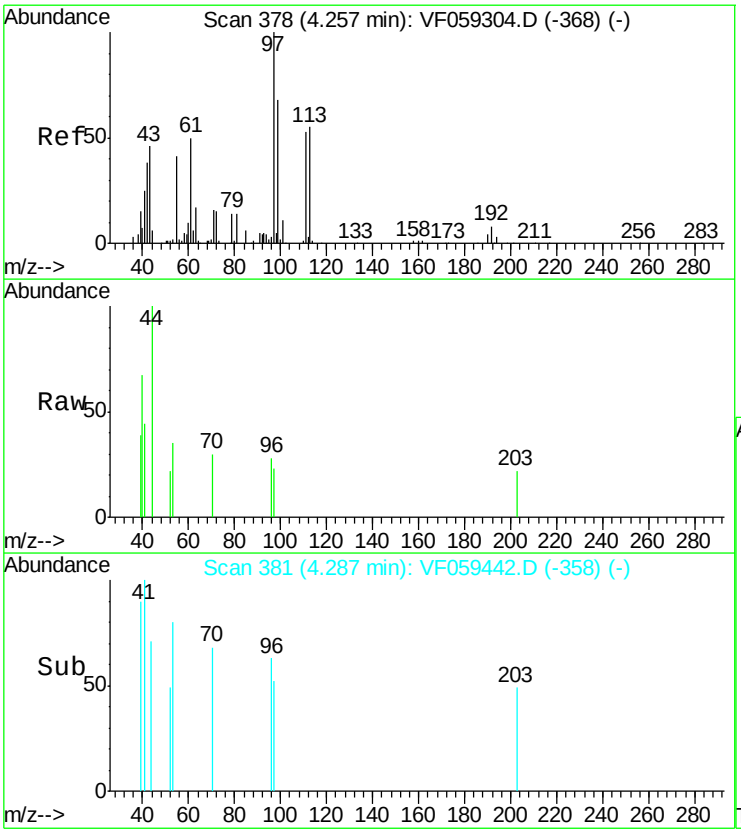
#31
Cyclohexane
Concen: 116.160 ug/l
RT: 3.73 min Scan# 324
Delta R.T. -0.12 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument : MSVOA_F
ClientSampleId : S4

Tgt Ion: 56 Resp: 74

Ion	Ratio	Lower	Upper
56	100		
69	84.0	25.8	38.8#
84	0.0	75.6	113.4#

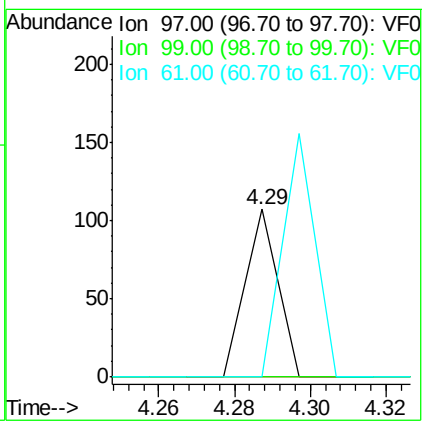


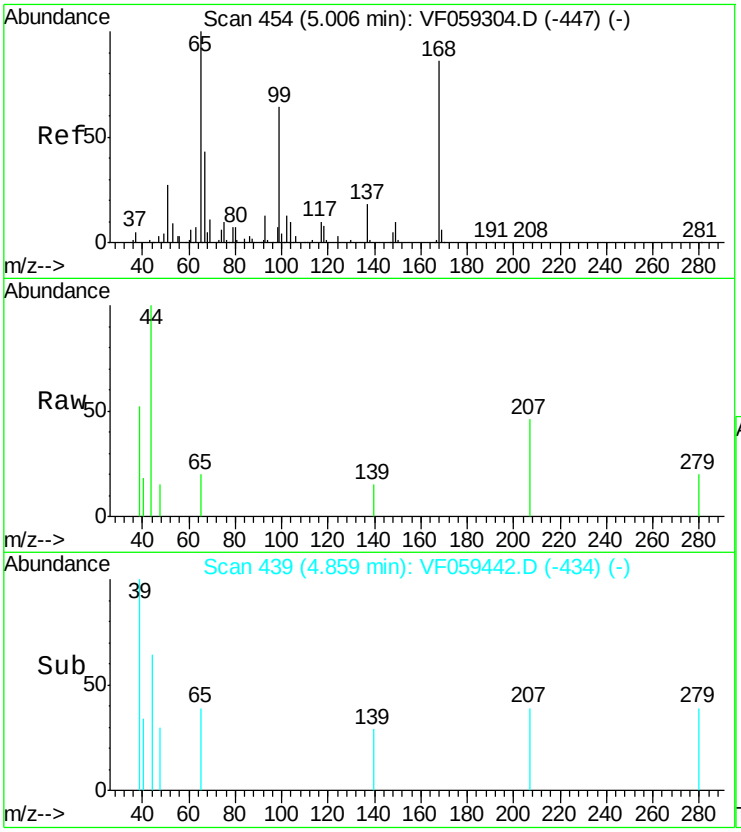


#32
1,1,1-Trichloroethane
Concen: 61.152 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 97 Resp: 63

Ion	Ratio	Lower	Upper
97	100		
99	0.0	54.1	81.1#
61	0.0	41.2	61.8#



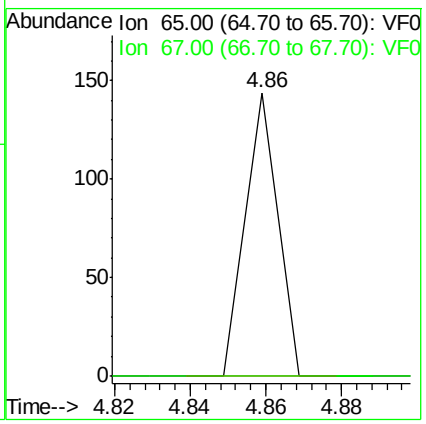


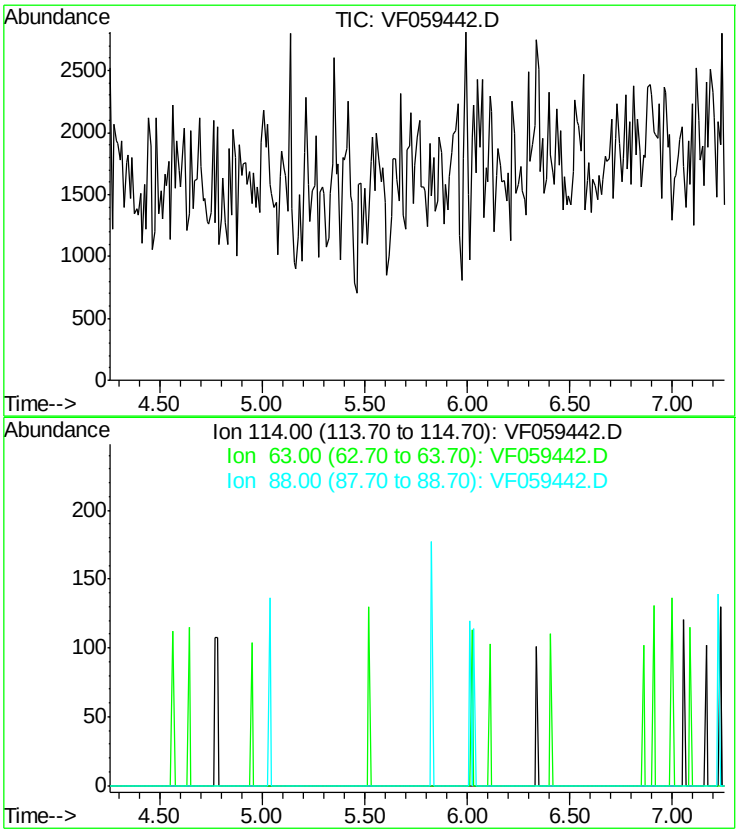
#33
1,2-Dichloroethane-d4
Concen: 102.797 ug/l
RT: 4.86 min Scan# 439
Delta R.T. -0.15 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
S4

Tgt Ion: 65 Resp: 85

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	96.8



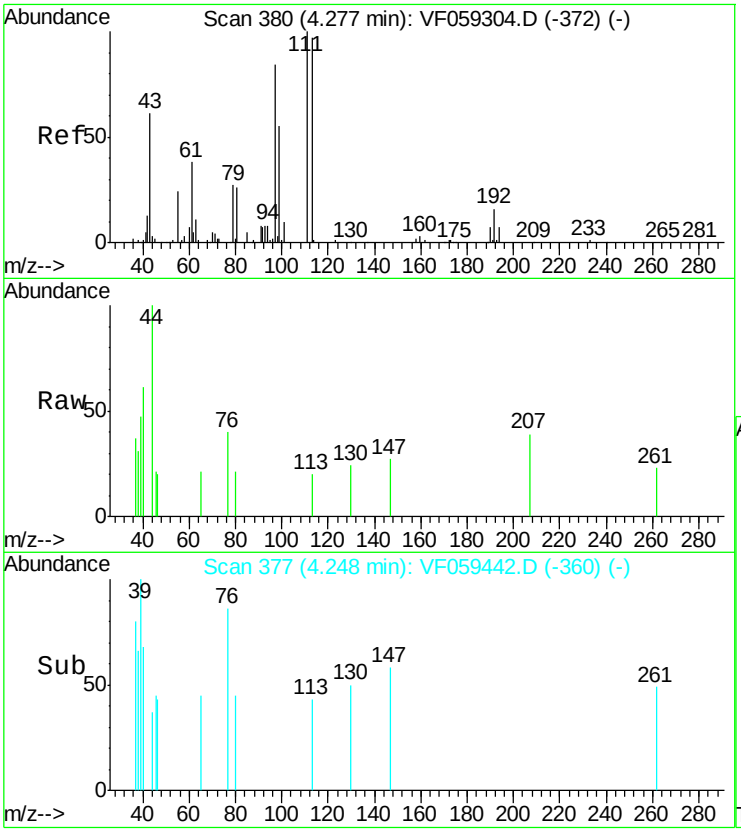


#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 5.76 min

Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 114

Sig	Exp Ratio
114	100
63	22.9
88	20.6

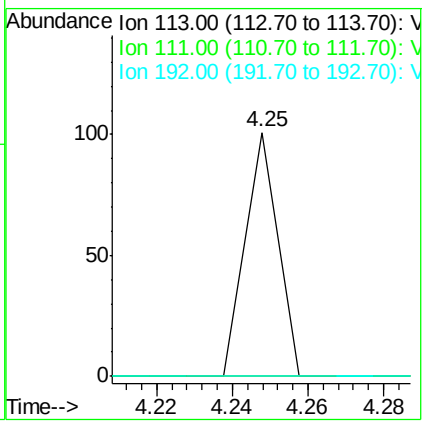


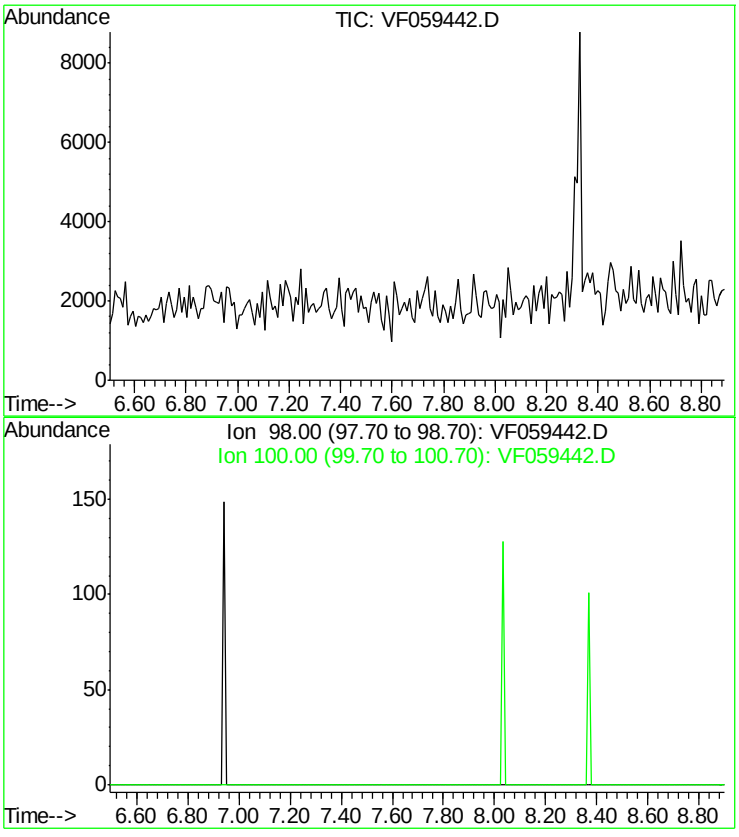
#35
Dibromofluoromethane
Concen: 0.000 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
S4

Tgt Ion:113 Resp: 60

Ion	Ratio	Lower	Upper
113	100		
111	0.0	82.1	123.1#
192	0.0	13.0	19.6#



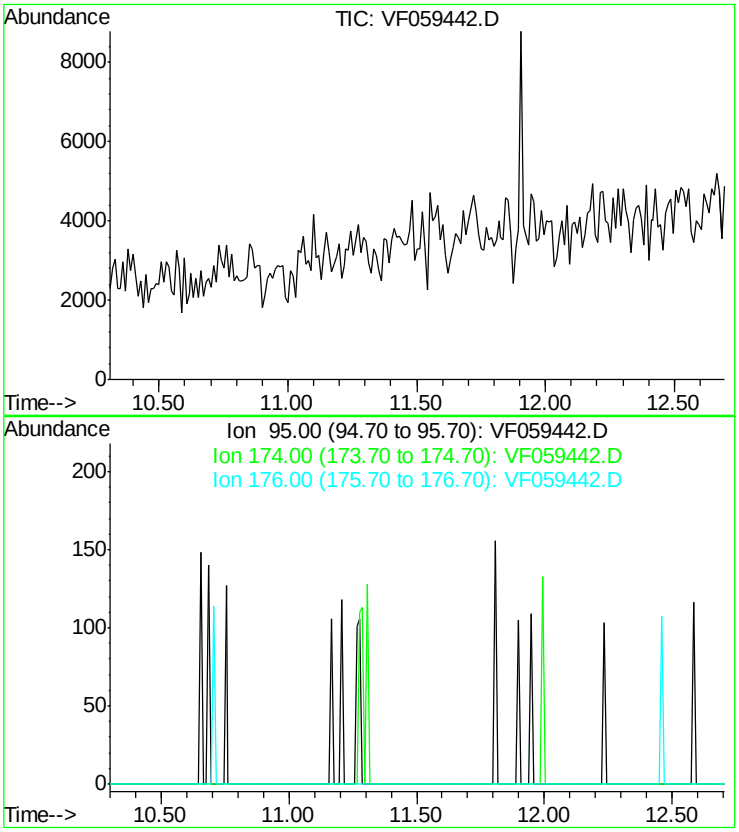


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.70 min

Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	68.3



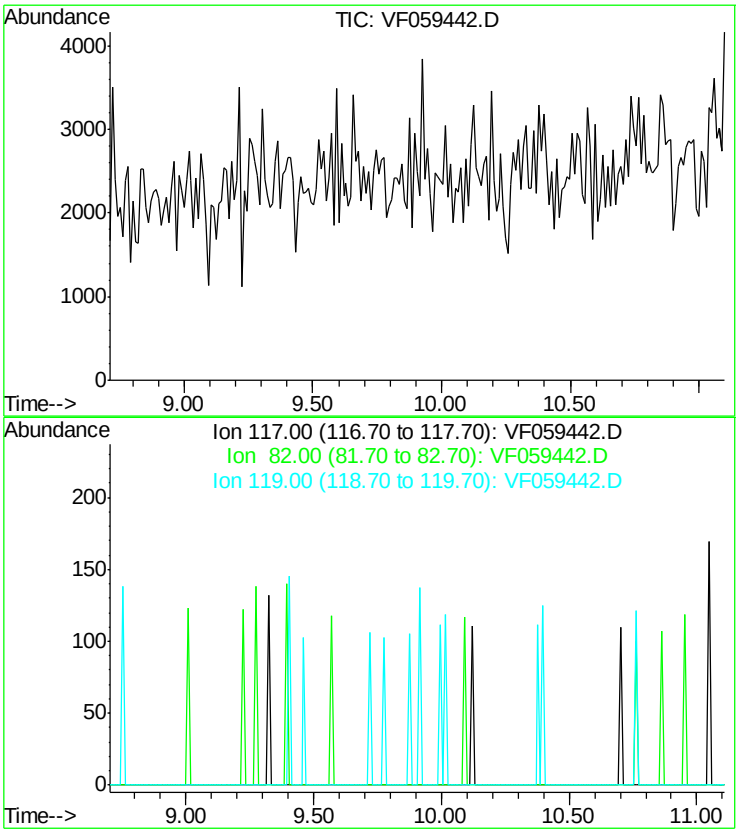
#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.50 min

Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	82.6
176	80.5

Instrument :
MSVOA_F
ClientSampleId :
S4

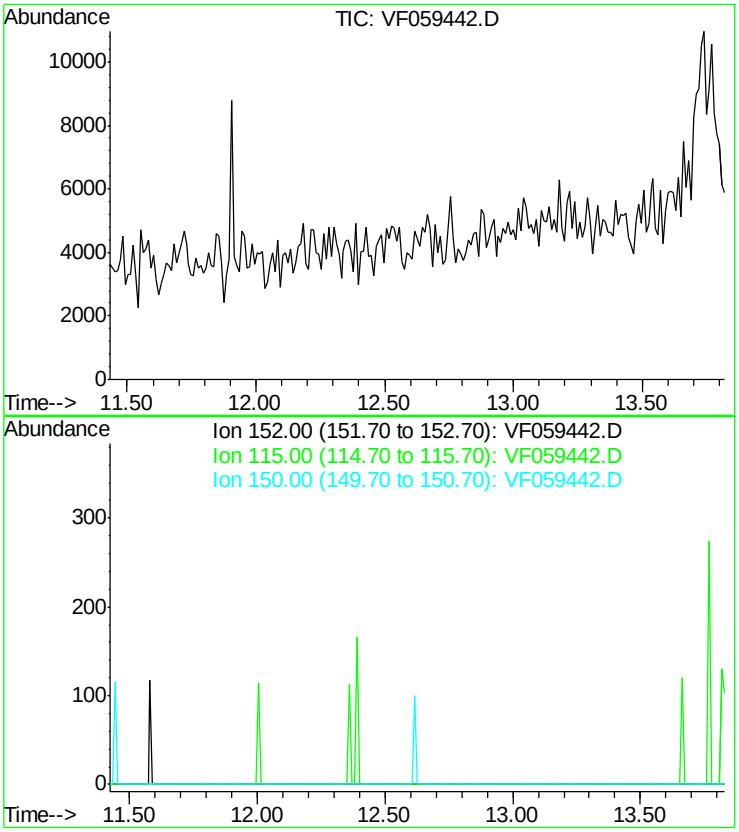


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 9.91 min

Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	55.7
119	30.1



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.63 min

Lab File: VF059442.D
Acq: 5 Jul 2018 18:59

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	54.2
150	152.6

Instrument :
MSVOA_F
ClientSampleId :
S4