Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
Data File : VF059907.D
Acq On : 7 Aug 2018 7:09
Operator : VA/AP
Sample : VF0806SBL02
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Aug 07 09:00:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	181034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	254962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	257521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	172216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	180392	55.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.54%		
35) Dibromofluoromethane	4.30	113	147731	58.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	116.48%		
50) Toluene-d8	7.72	98	281183	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.20%		
62) 4-Bromofluorobenzene	11.52	95	160375	52.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.76%		
Target Compounds						Qvalue
3) Chloromethane	1.11	50	1592	1.11	ug/l	93
11) Tert butyl alcohol	2.67	59	480	3.65	ug/l #	1
13) Acrolein	2.00	56	292	3.70	ug/l	95
15) Acrylonitrile	3.09	53	441	1.83	ug/l #	62
16) Acetone	2.35	43	3726	6.18	ug/l	99
20) Methylene Chloride	2.28	84	5783	Below Cal	#	76
25) 2-Butanone	4.54	43	897	1.37	ug/l #	1
29) Tetrahydrofuran	4.26	42	720	2.99	ug/l #	53
39) Methylcyclohexane	5.77	83	6158	2.78	ug/l #	29
40) Benzene	4.81	78	107	Below Cal	#	1
49) 1,4-Dioxane	6.86	88	64	88.51	ug/l #	49
51) 4-Methyl-2-Pentanone	8.41	43	3380	2.54	ug/l #	69
56) Ethyl methacrylate	8.77	69	580	3.72	ug/l #	66
58) 2-Chloroethyl Vinyl ether	7.81	63	203	1.14	ug/l	100
59) 2-Hexanone	9.63	43	9921	10.54	ug/l	83
74) N-amyl acetate	11.56	43	1012	3.32	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.99	75	936	1.51	ug/l #	36

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

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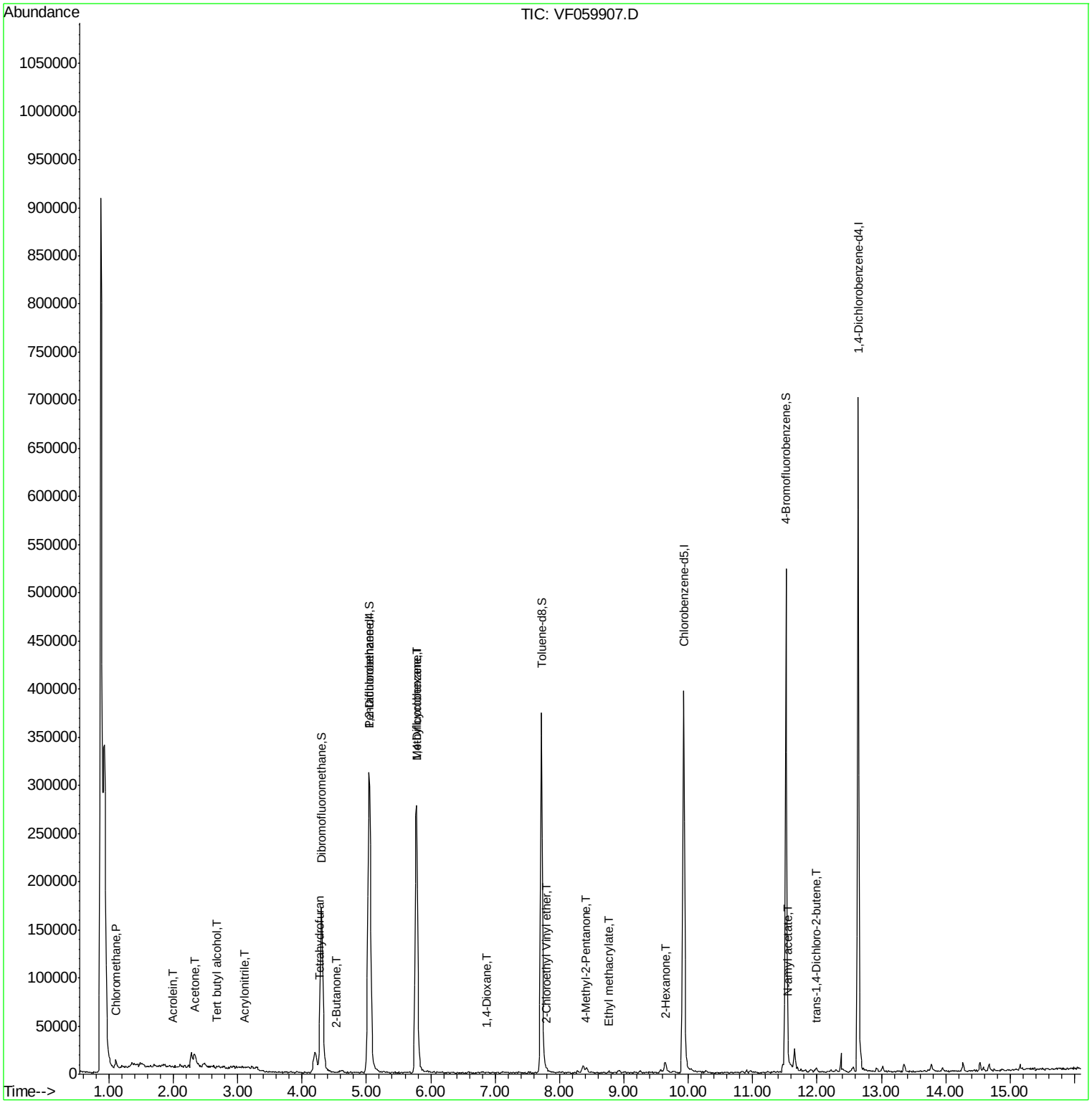
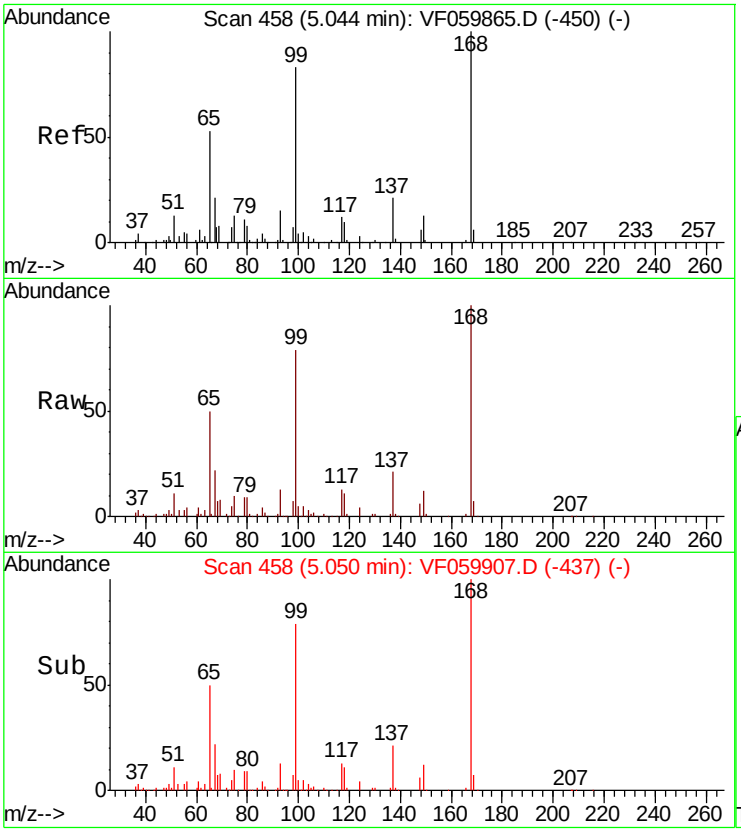


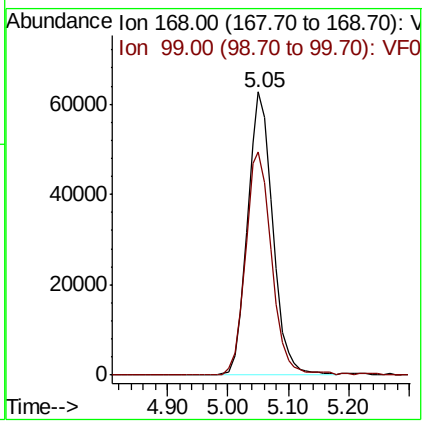


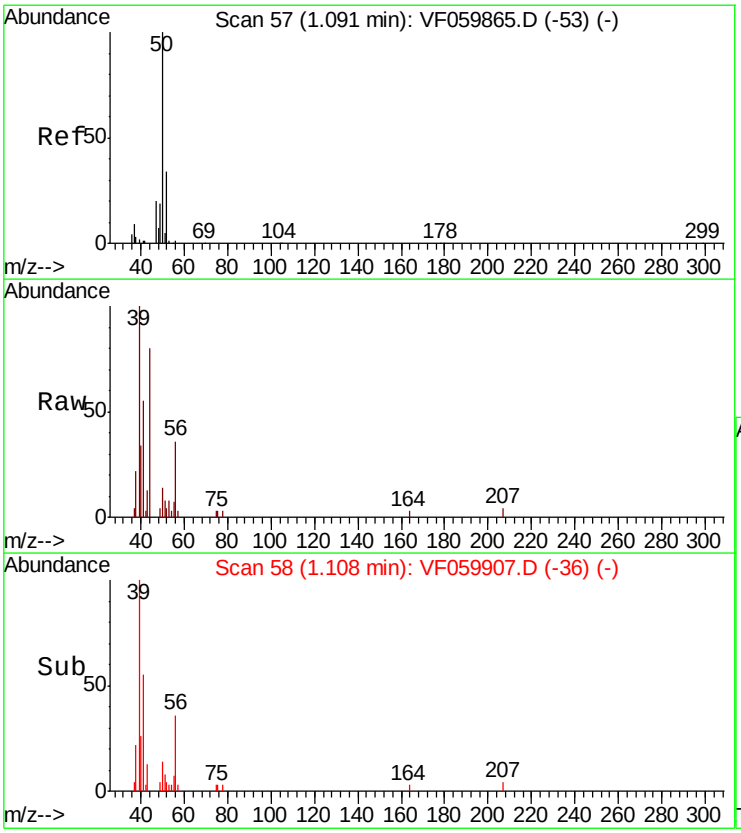
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 181034

Ion	Ratio	Lower	Upper
168	100		
99	79.0	66.3	99.5

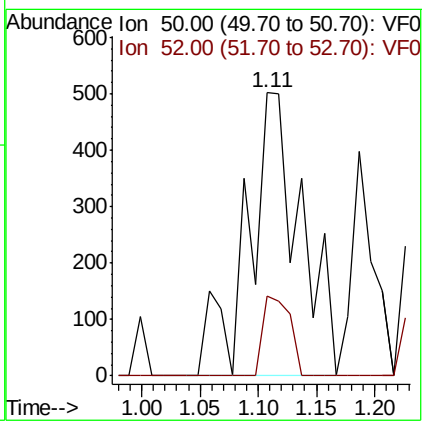


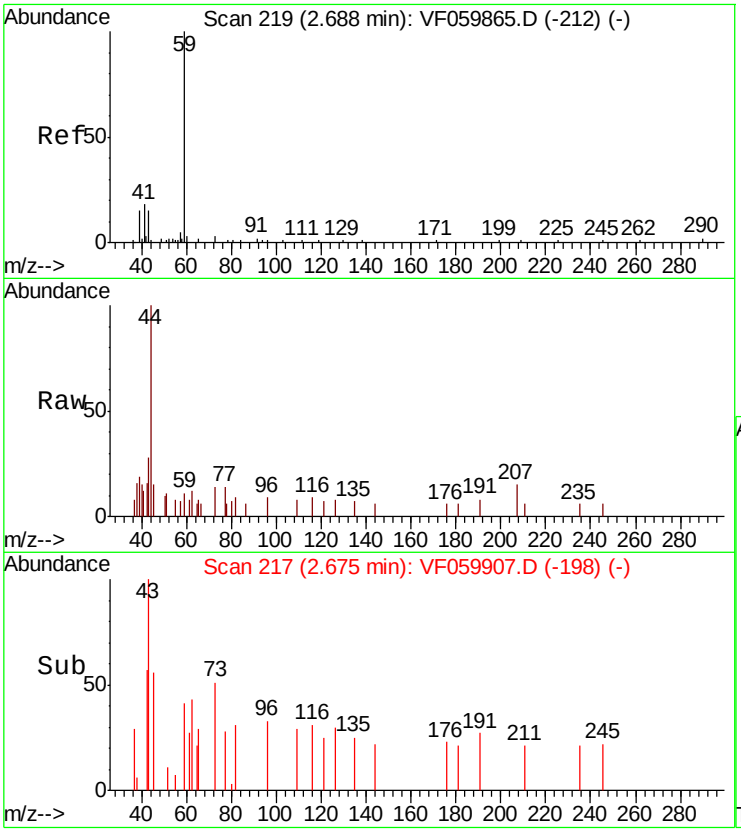


#3
Chloromethane
Concen: 1.11 ug/l
RT: 1.11 min Scan# 58
Delta R.T. 0.02 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 50 Resp: 1592

Ion	Ratio	Lower	Upper
50	100		
52	28.3	25.8	38.8



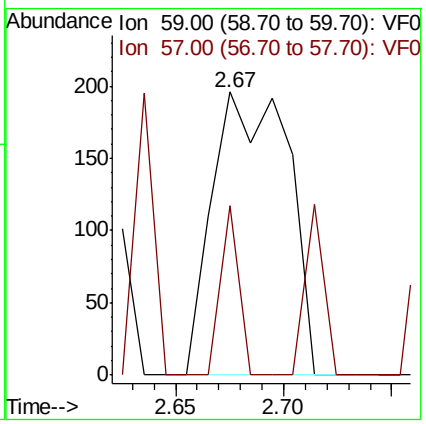


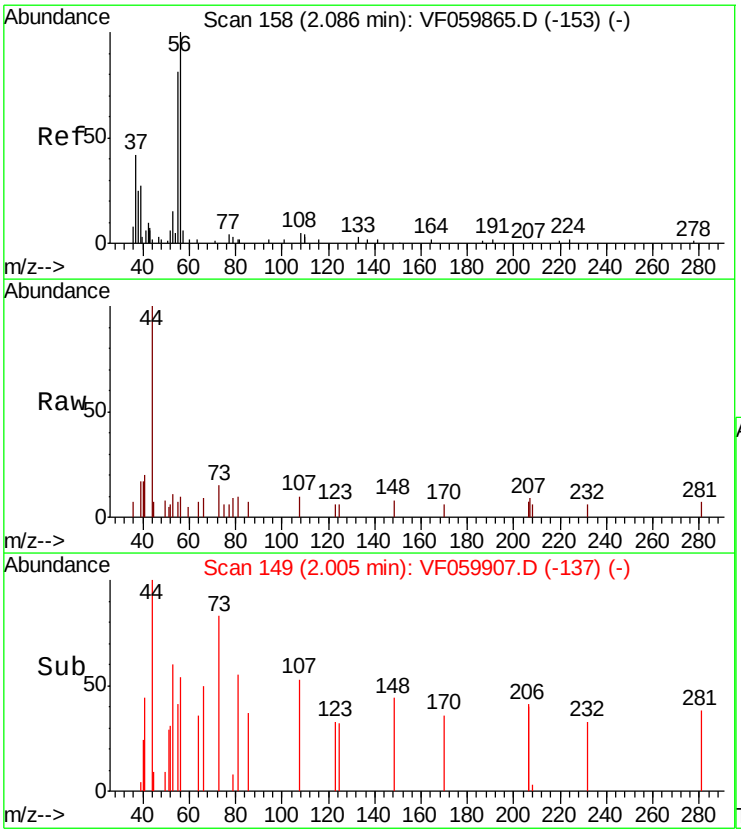
#11
Tert butyl alcohol
Concen: 3.65 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 59 Resp: 480

Ion	Ratio	Lower	Upper
59	100		
57	59.7	7.6	11.4#

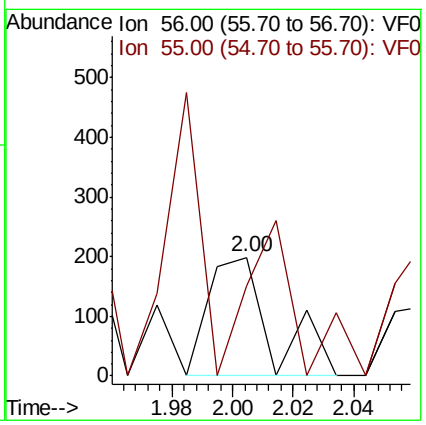


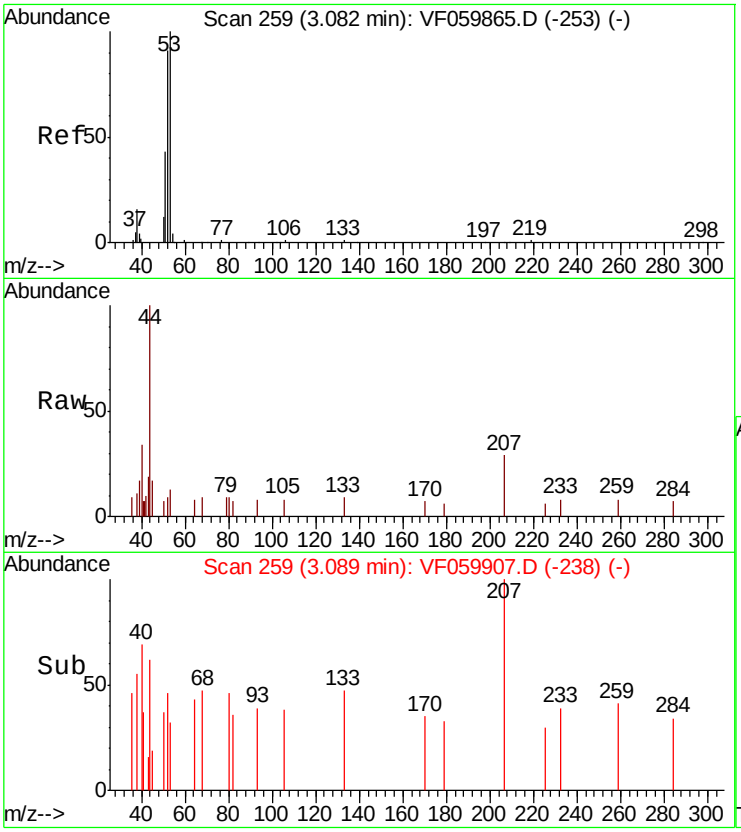


#13
Acrolein
Concen: 3.70 ug/l
RT: 2.00 min Scan# 149
Delta R.T. -0.08 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 56 Resp: 292

Ion	Ratio	Lower	Upper
56	100		
55	75.9	64.6	96.8



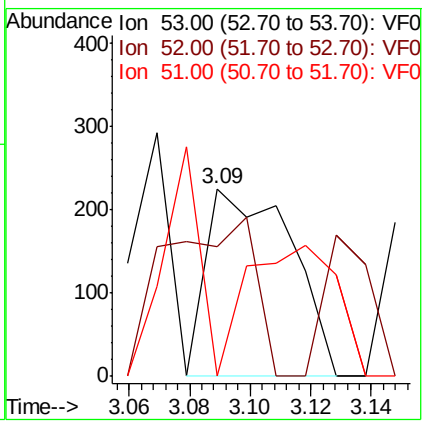


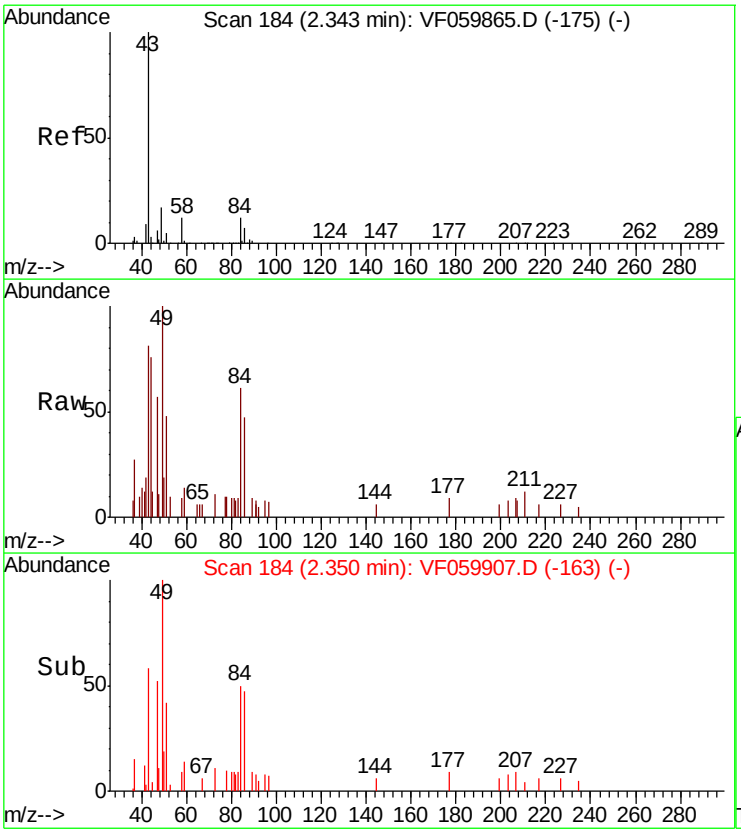
#15
Acrylonitrile
Concen: 1.83 ug/l
RT: 3.09 min Scan# 259
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 53 Resp: 441

Ion	Ratio	Lower	Upper
53	100		
52	68.9	72.9	109.3#
51	0.0	34.5	51.7#

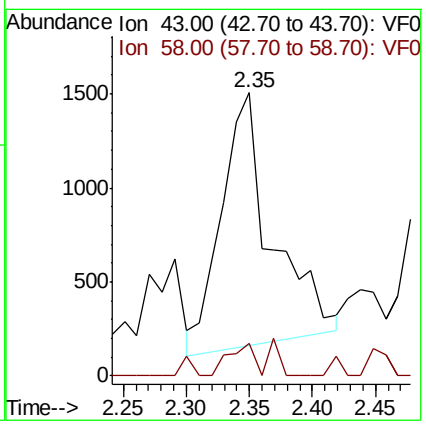


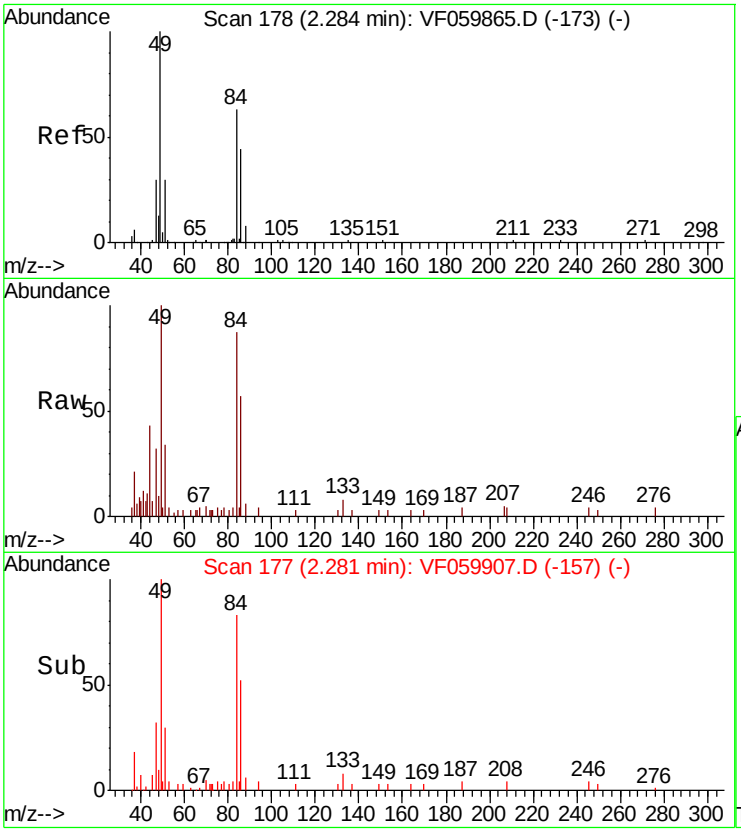


#16
Acetone
Concen: 6.18 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 43 Resp: 3726

Ion	Ratio	Lower	Upper
43	100		
58	11.3	9.4	14.0



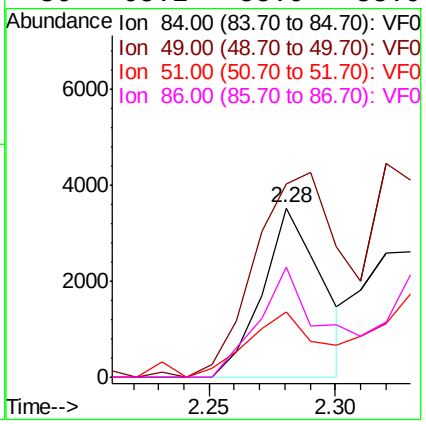


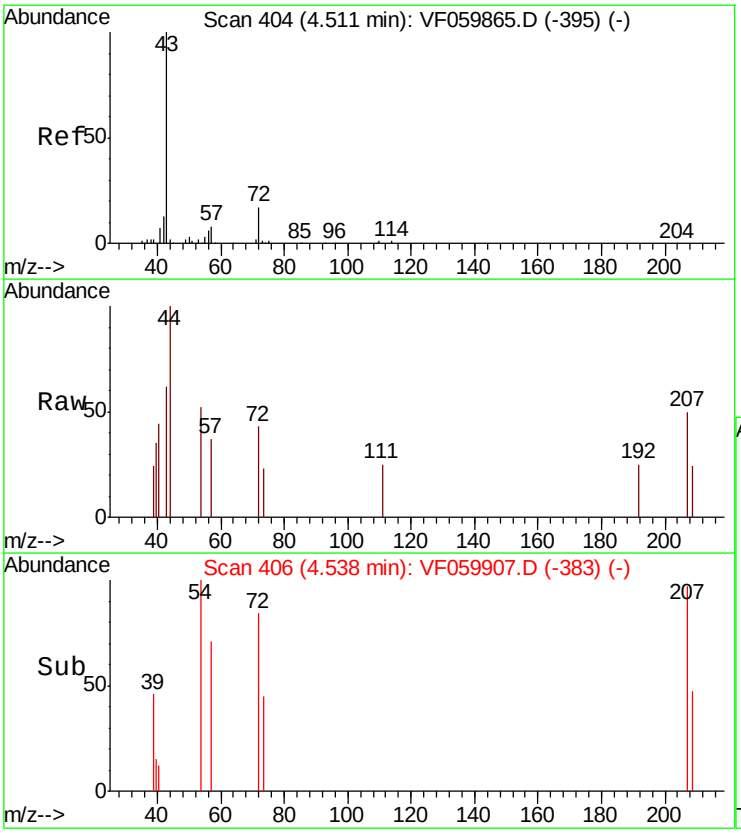
#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 5783

Ion	Ratio	Lower	Upper
84	100		
49	114.3	128.7	193.1#
51	38.4	39.3	58.9#
86	65.2	55.9	83.9

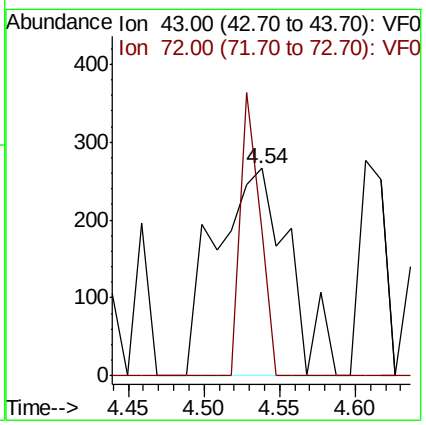


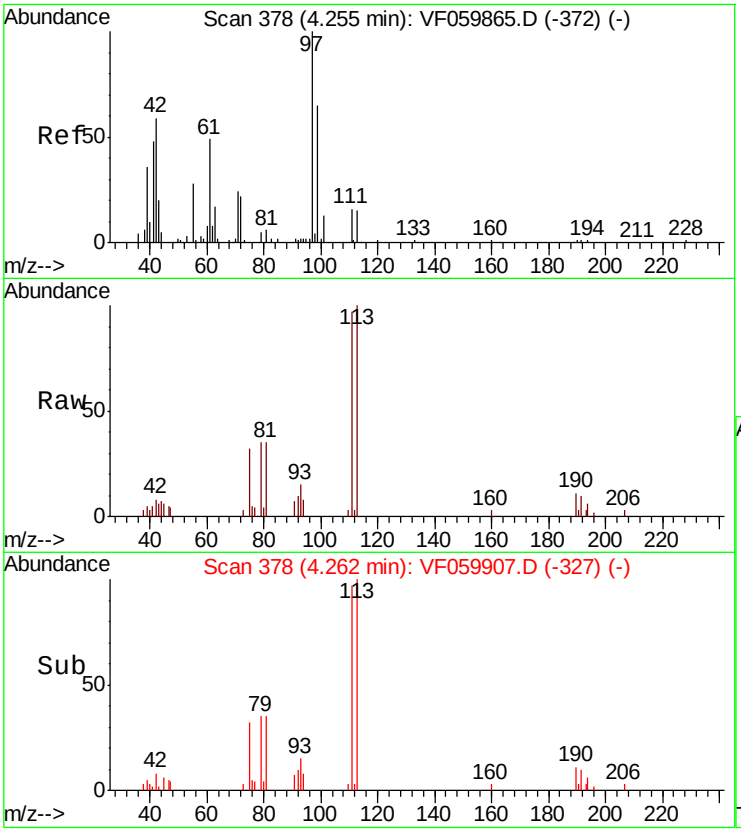


#25
2-Butanone
Concen: 1.37 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.03 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 43 Resp: 897

Ion	Ratio	Lower	Upper
43	100		
72	69.9	13.9	20.9#



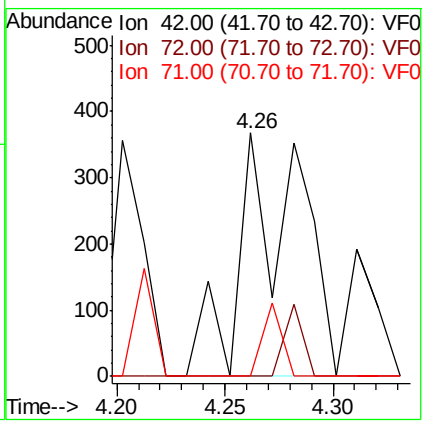


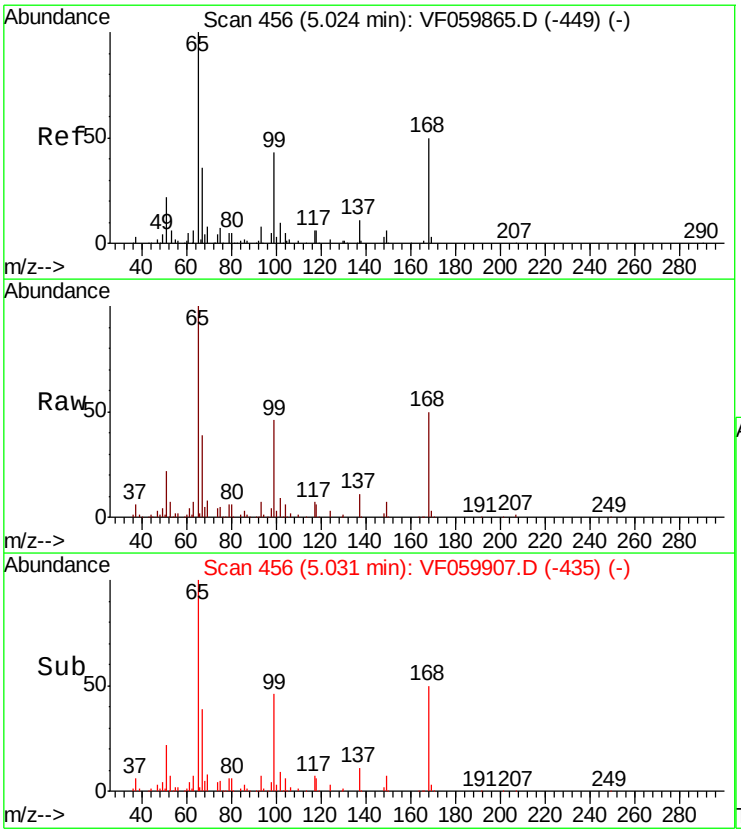
#29
Tetrahydrofuran
Concen: 2.99 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 720

Ion	Ratio	Lower	Upper
42	100		
72	8.9	29.3	43.9#
71	9.0	30.0	45.0#

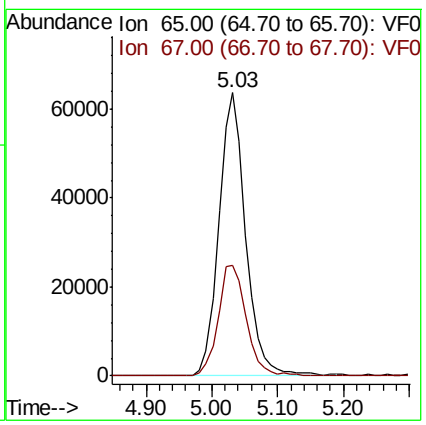


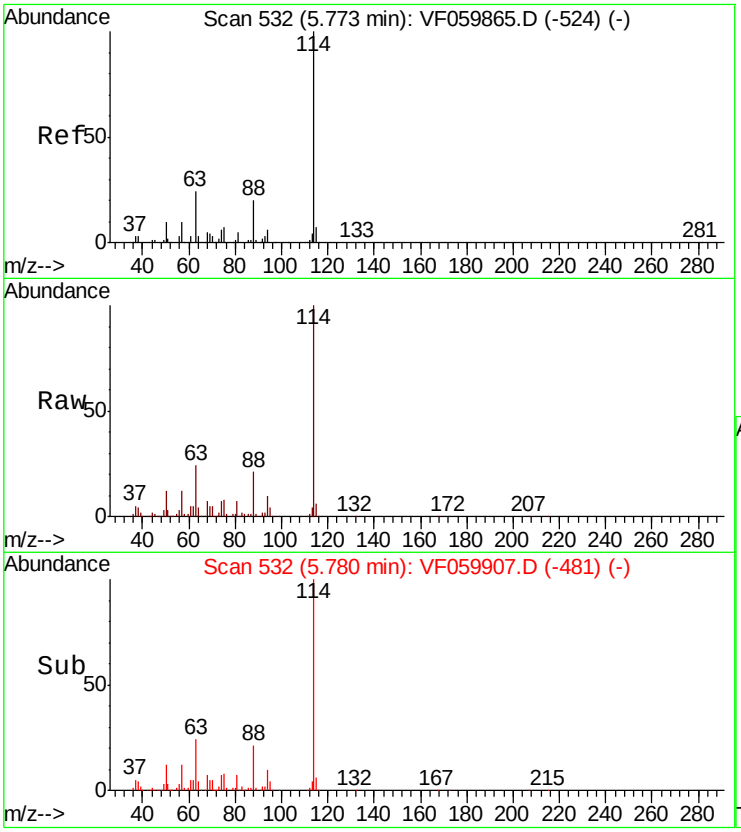


#33
1,2-Dichloroethane-d4
Concen: 55.27 ug/l
RT: 5.03 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 65 Resp: 180392

Ion	Ratio	Lower	Upper
65	100		
67	39.3	0.0	77.2



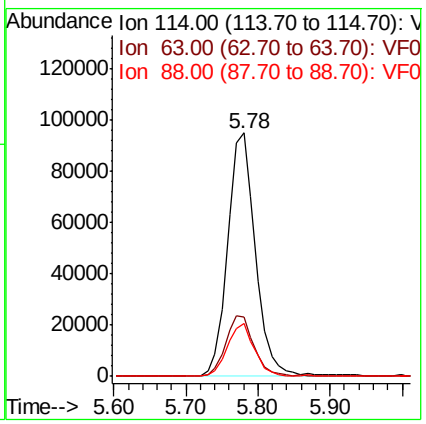


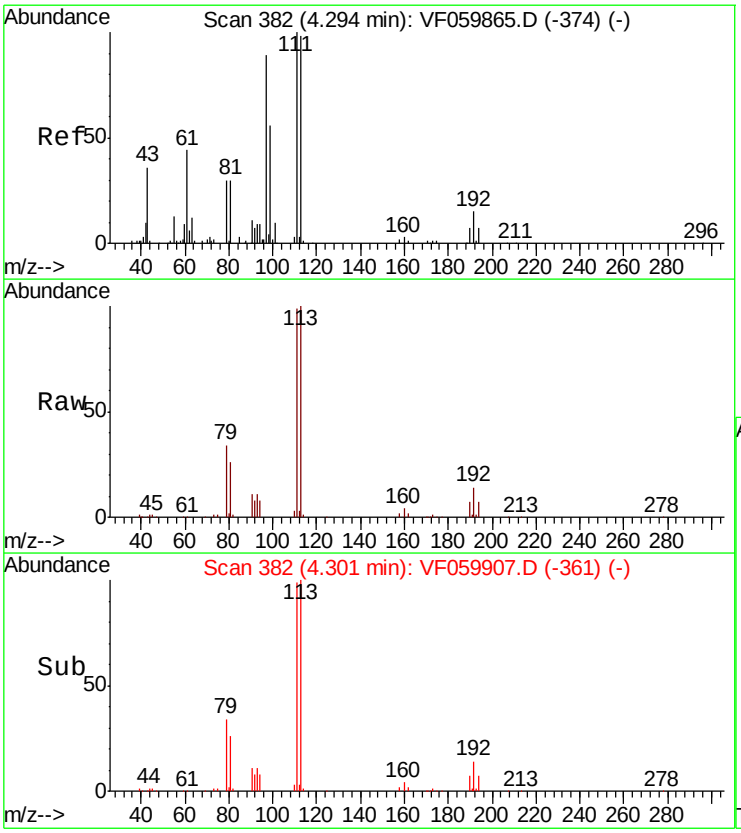
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.78 min Scan# 532
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 254962

Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	48.0
88	21.5	0.0	39.4

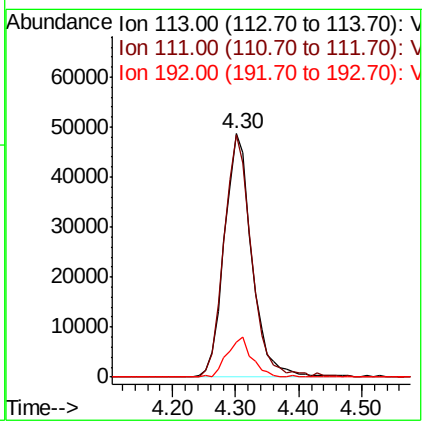


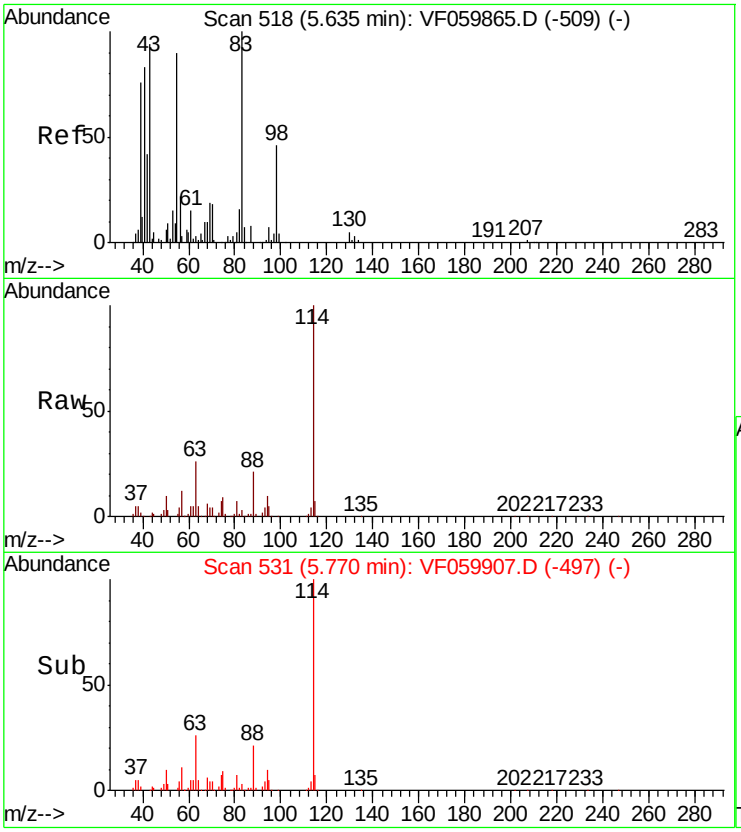


#35
Dibromofluoromethane
Concen: 58.24 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion:113 Resp: 147731

Ion	Ratio	Lower	Upper
113	100		
111	99.5	81.8	122.8
192	14.3	12.4	18.6



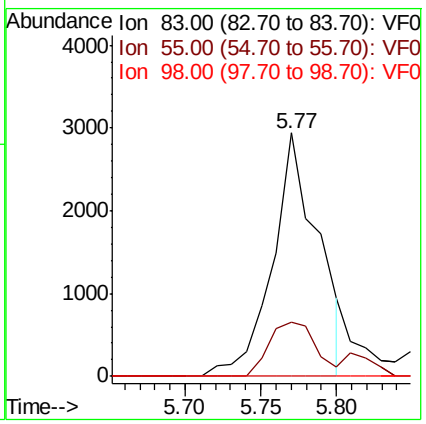


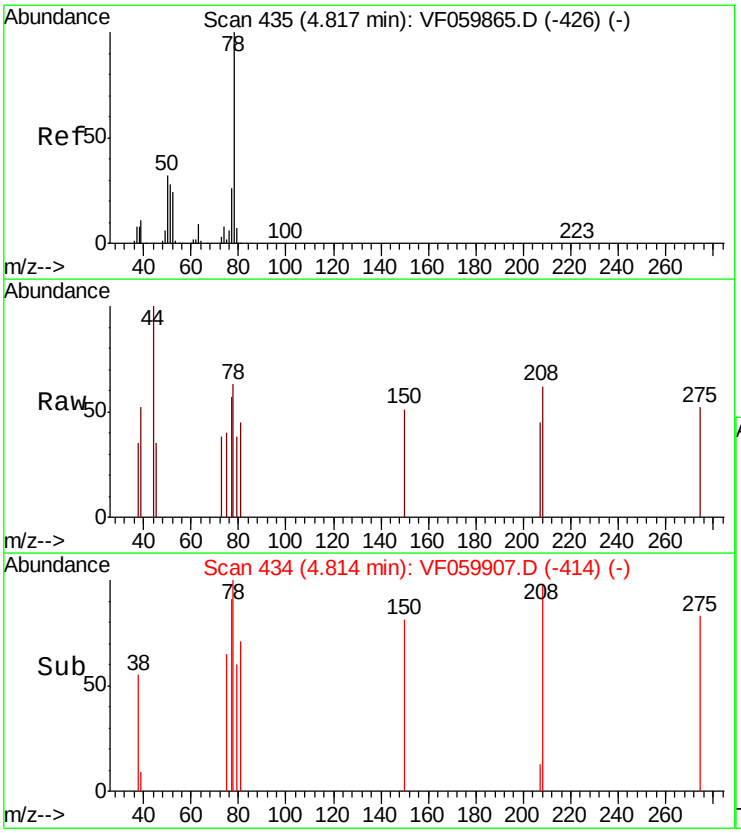
#39
Methylcyclohexane
Concen: 2.78 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.14 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 83 Resp: 6158

Ion	Ratio	Lower	Upper
83	100		
55	22.1	72.0	108.0#
98	0.0	36.6	54.8#

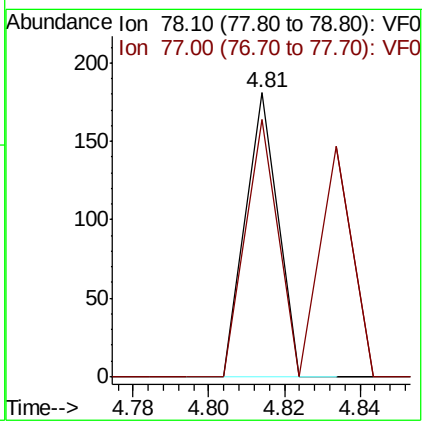


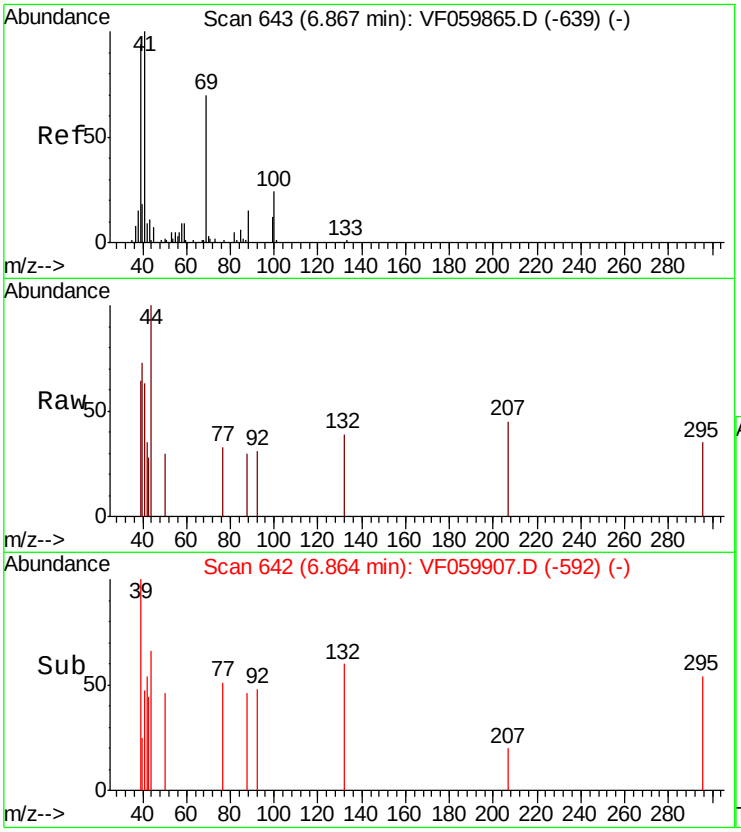


#40
Benzene
Concen: Below Cal
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 78 Resp: 107

Ion	Ratio	Lower	Upper
78	100		
77	90.6	20.7	31.1#



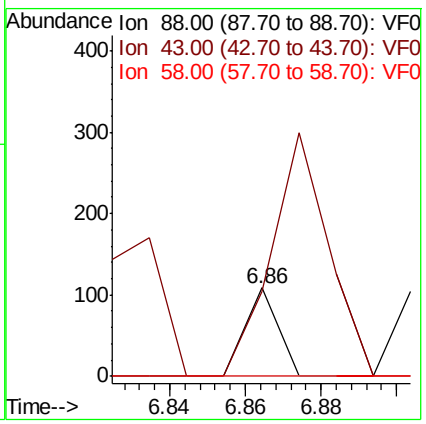


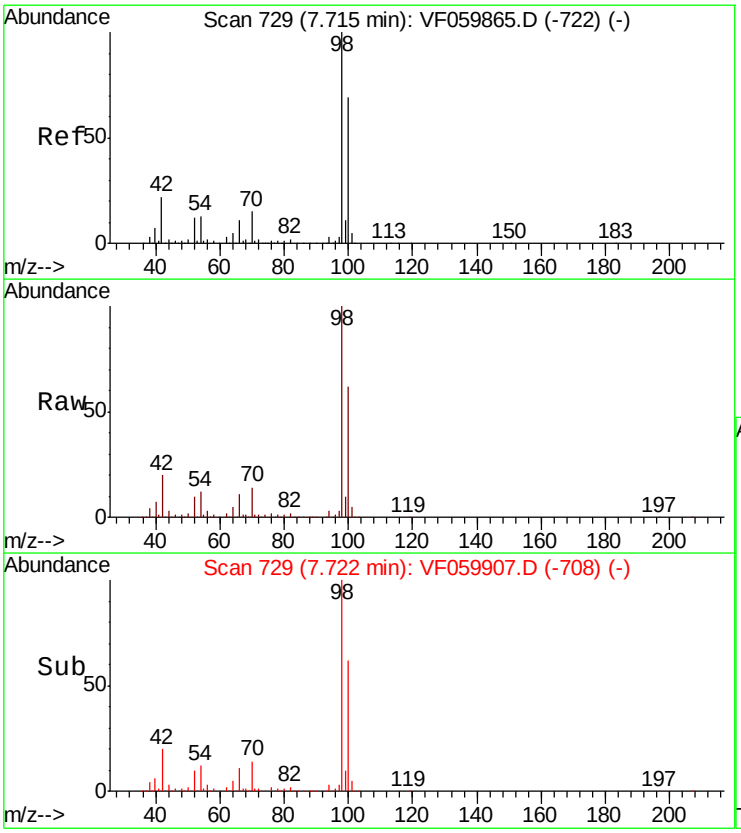
#49
1,4-Dioxane
Concen: 88.51 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 64

Ion	Ratio	Lower	Upper
88	100		
43	95.4	58.3	87.5#
58	0.0	49.4	74.2#

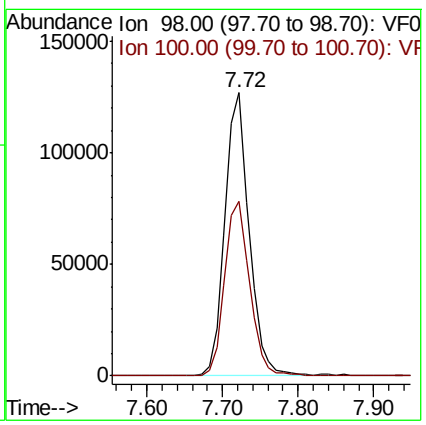


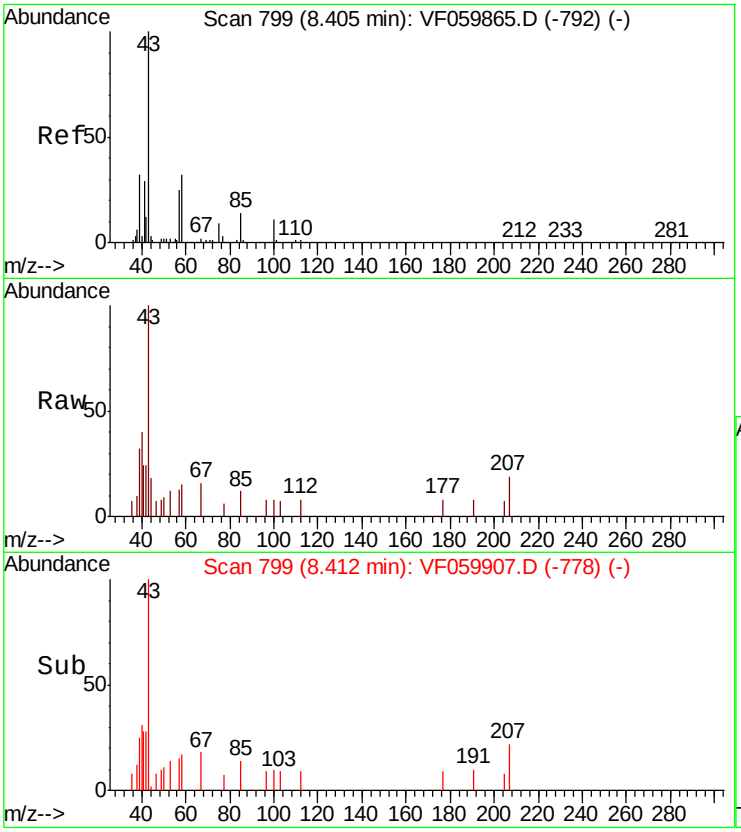


#50
Toluene-d8
Concen: 52.10 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 98 Resp: 281183

Ion	Ratio	Lower	Upper
98	100		
100	61.8	55.0	82.6



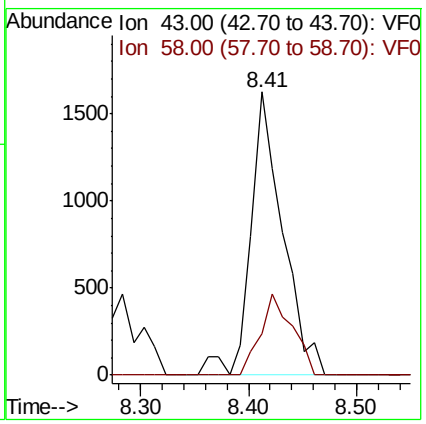


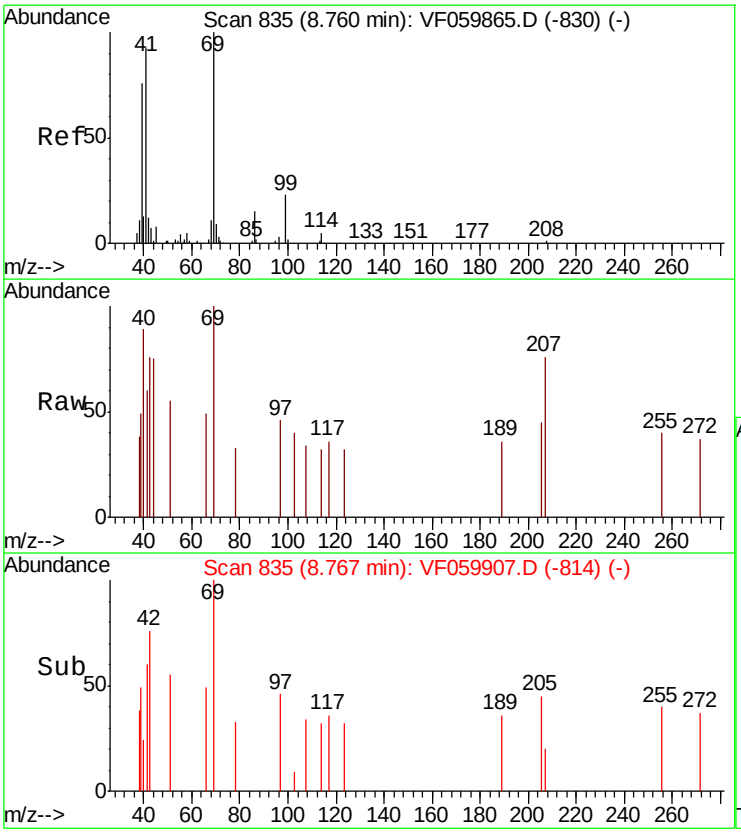
#51
4-Methyl-2-Pentanone
Concen: 2.54 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 3380

Ion	Ratio	Lower	Upper
43	100		
58	14.6	25.4	38.0#

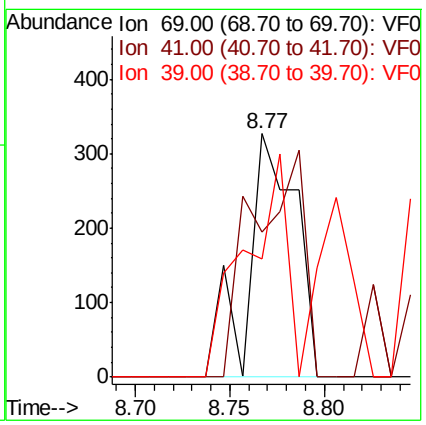


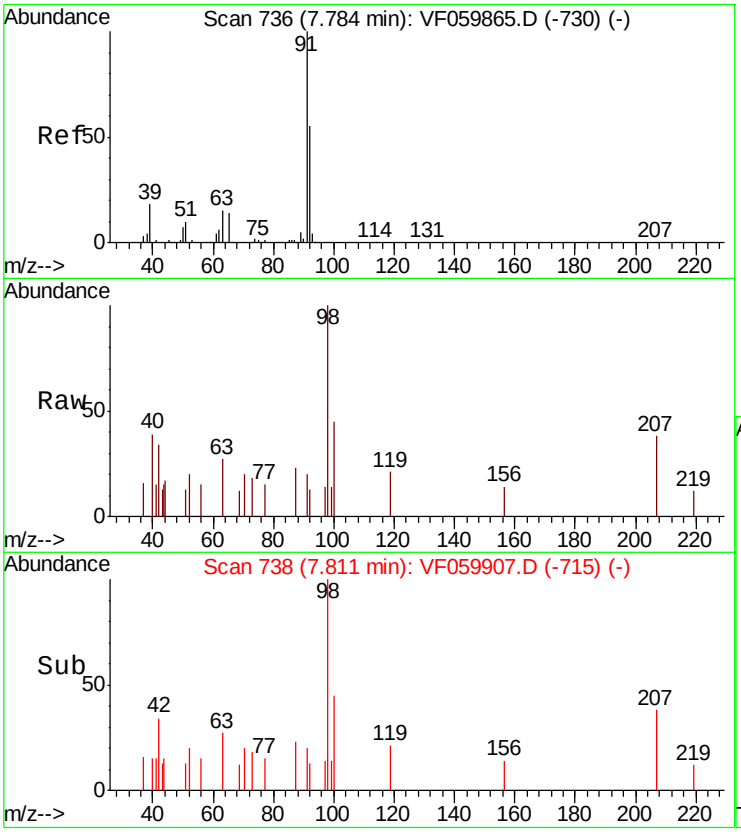


#56
Ethyl methacrylate
Concen: 3.72 ug/l
RT: 8.77 min Scan# 835
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 69 Resp: 580

Ion	Ratio	Lower	Upper
69	100		
41	59.6	74.7	112.1#
39	48.6	61.1	91.7#



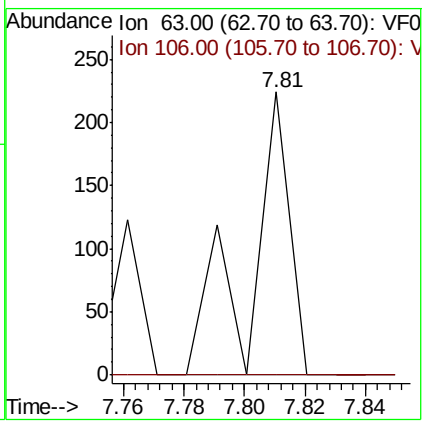


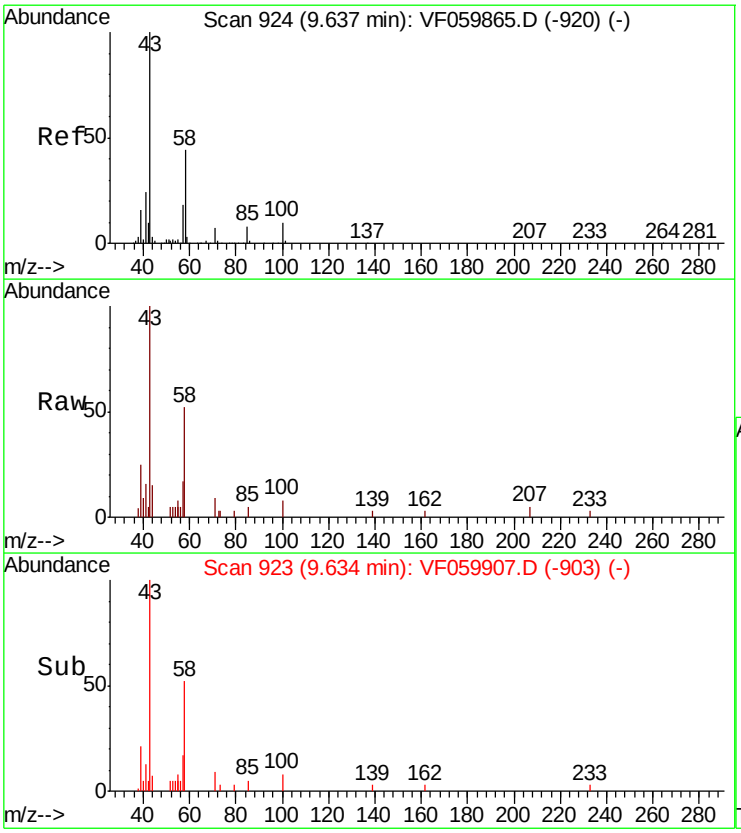
#58
2-Chloroethyl Vinyl ether
Concen: 1.14 ug/l
RT: 7.81 min Scan# 738
Delta R.T. 0.03 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 63 Resp: 203

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

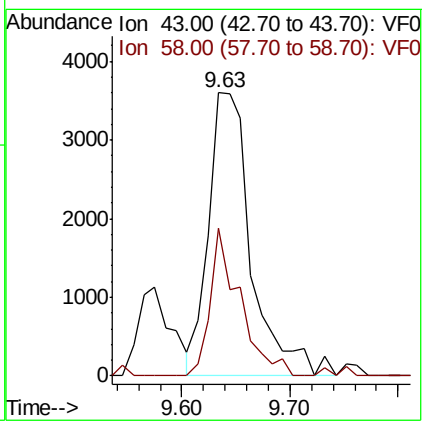


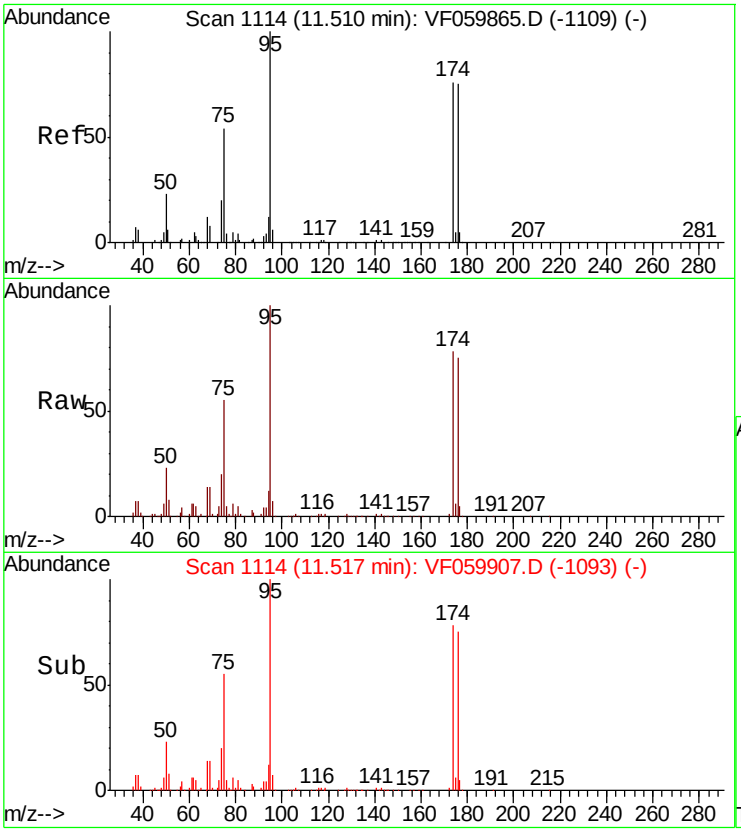


#59
2-Hexanone
Concen: 10.54 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 43 Resp: 9921

Ion	Ratio	Lower	Upper
43	100		
58	52.2	20.8	62.2



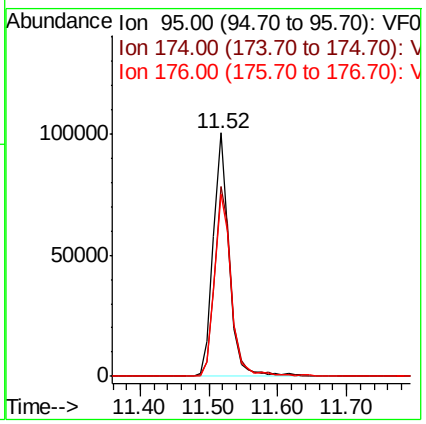


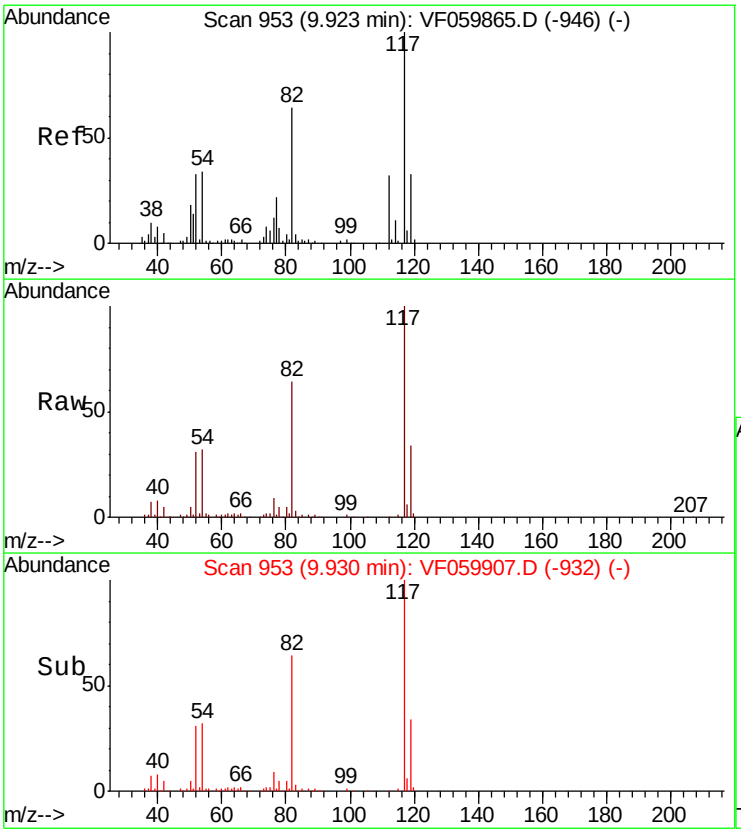
#62
4-Bromofluorobenzene
Concen: 52.88 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 160375

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	151.6
176	75.0	0.0	149.8

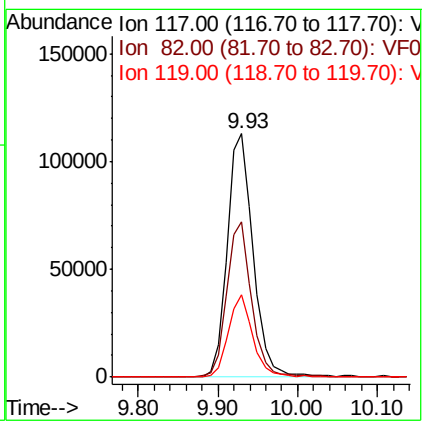


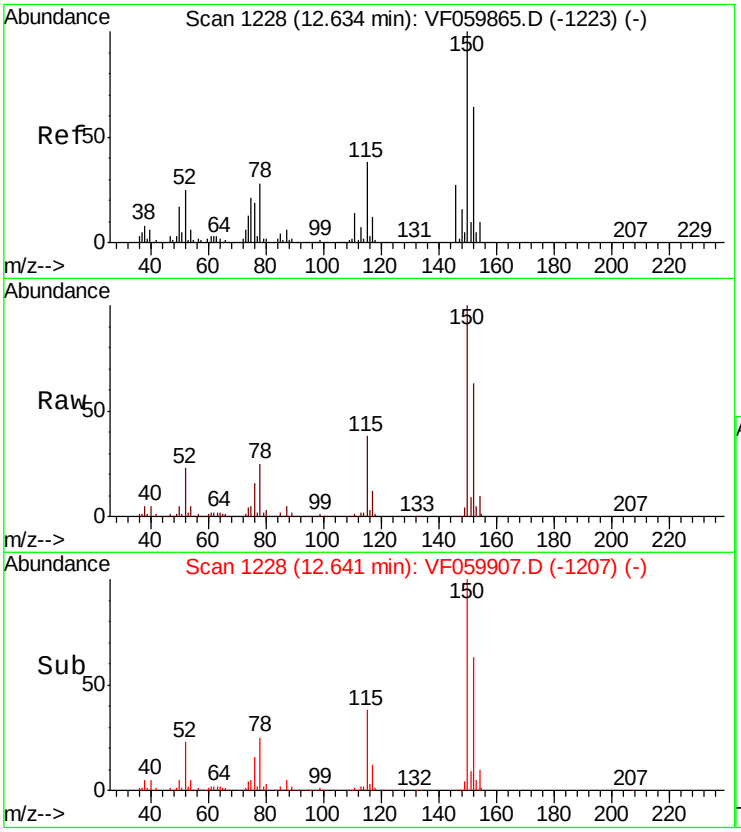


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion:117 Resp: 257521

Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.3	76.9
119	33.8	26.4	39.6



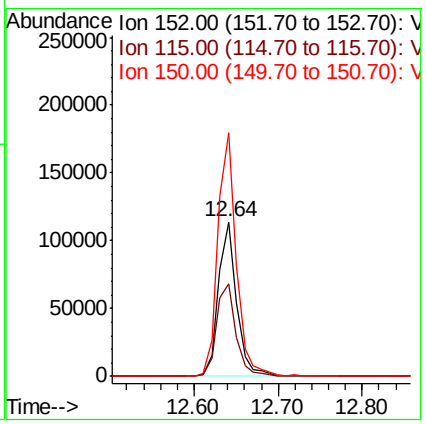


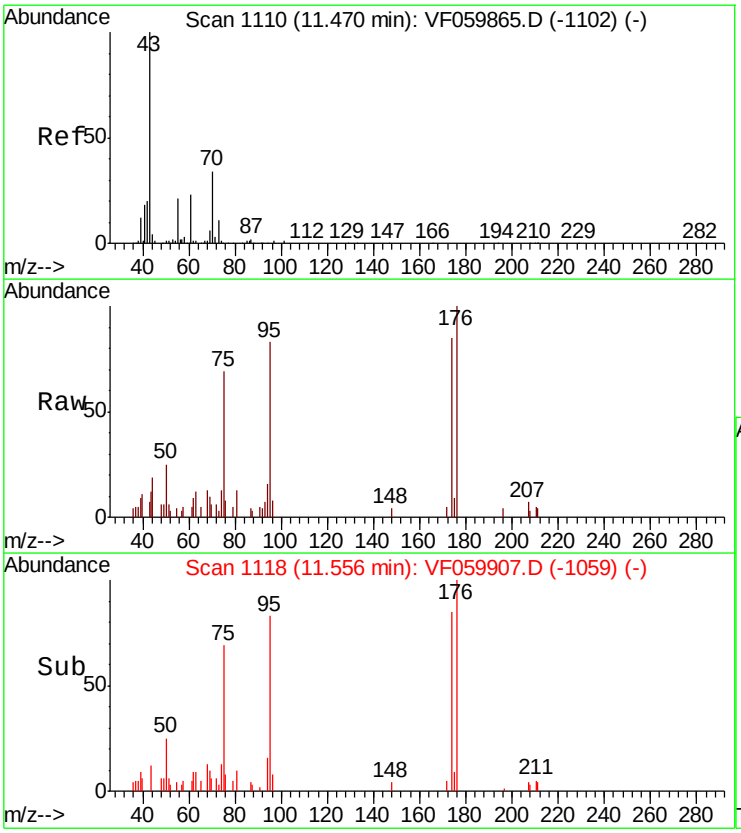
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 172216

Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.8	89.4
150	157.8	0.0	315.6

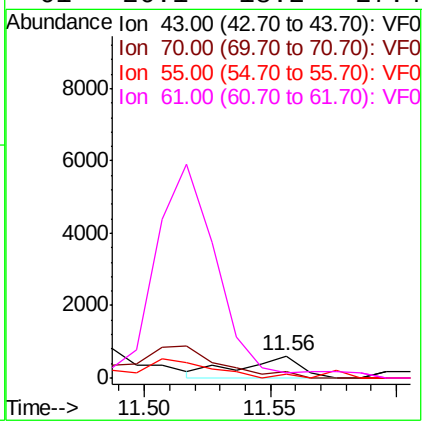


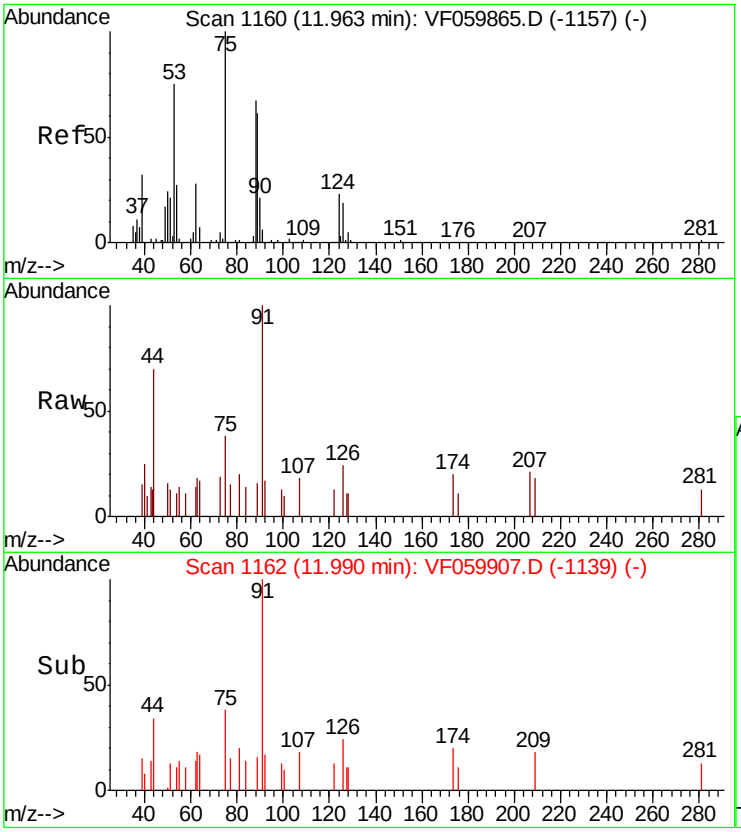


#74
N-amyl acetate
Concen: 3.32 ug/l
RT: 11.56 min Scan# 1118
Delta R.T. 0.09 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Tgt Ion: 43 Resp: 1012

Ion	Ratio	Lower	Upper
43	100		
70	29.8	27.5	41.3
55	20.0	16.6	25.0
61	26.1	18.2	27.4





#81
trans-1,4-Dichloro-2-butene
Concen: 1.51 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.03 min
Lab File: VF059907.D
Acq: 7 Aug 2018 7:09

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 936

Ion	Ratio	Lower	Upper
75	100		
53	0.0	65.9	98.9#
89	41.6	50.6	76.0#