Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061049.D
Acq On : 17 Dec 2018 19:22
Operator : VA/AP
Sample : J6353-08RE
Misc : 5.69g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Dec 18 03:09:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	174203	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	304333	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.79	117	194777	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	51250	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	99387	48.43	ug/l	-0.02
Spiked Amount 50.000			Recovery = 96.86%			
35) Dibromofluoromethane	4.13	113	125720	52.07	ug/l	-0.02
Spiked Amount 50.000			Recovery = 104.14%			
50) Toluene-d8	7.57	98	262928	36.97	ug/l	-0.02
Spiked Amount 50.000			Recovery = 73.94%			
62) 4-Bromofluorobenzene	11.43	95	78492	24.28	ug/l	-0.01
Spiked Amount 50.000			Recovery = 48.56%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.57	59	160	1.902	ug/l #	1
13) Acrolein	2.02	56	596	7.478	ug/l #	36
15) Acrylonitrile	2.98	53	1041	5.520	ug/l #	72
16) Acetone	2.31	43	447	1.181	ug/l	95
18) Methyl Acetate	2.38	43	3049	3.259	ug/l #	61
20) Methylene Chloride	2.27	84	4475	3.223	ug/l #	90
25) 2-Butanone	4.37	43	754	1.152	ug/l #	57
29) Tetrahydrofuran	4.10	42	658	2.372	ug/l #	37
41) Methacrylonitrile	4.74	41	330	Below Cal	#	23
43) Isopropyl Acetate	6.96	43	474	Below Cal	#	49
49) 1,4-Dioxane	6.38	88	62	6.823	ug/l #	1
51) 4-Methyl-2-Pentanone	8.29	43	1376	1.088	ug/l	96
95) Naphthalene	14.48	128	2857	Below Cal		97

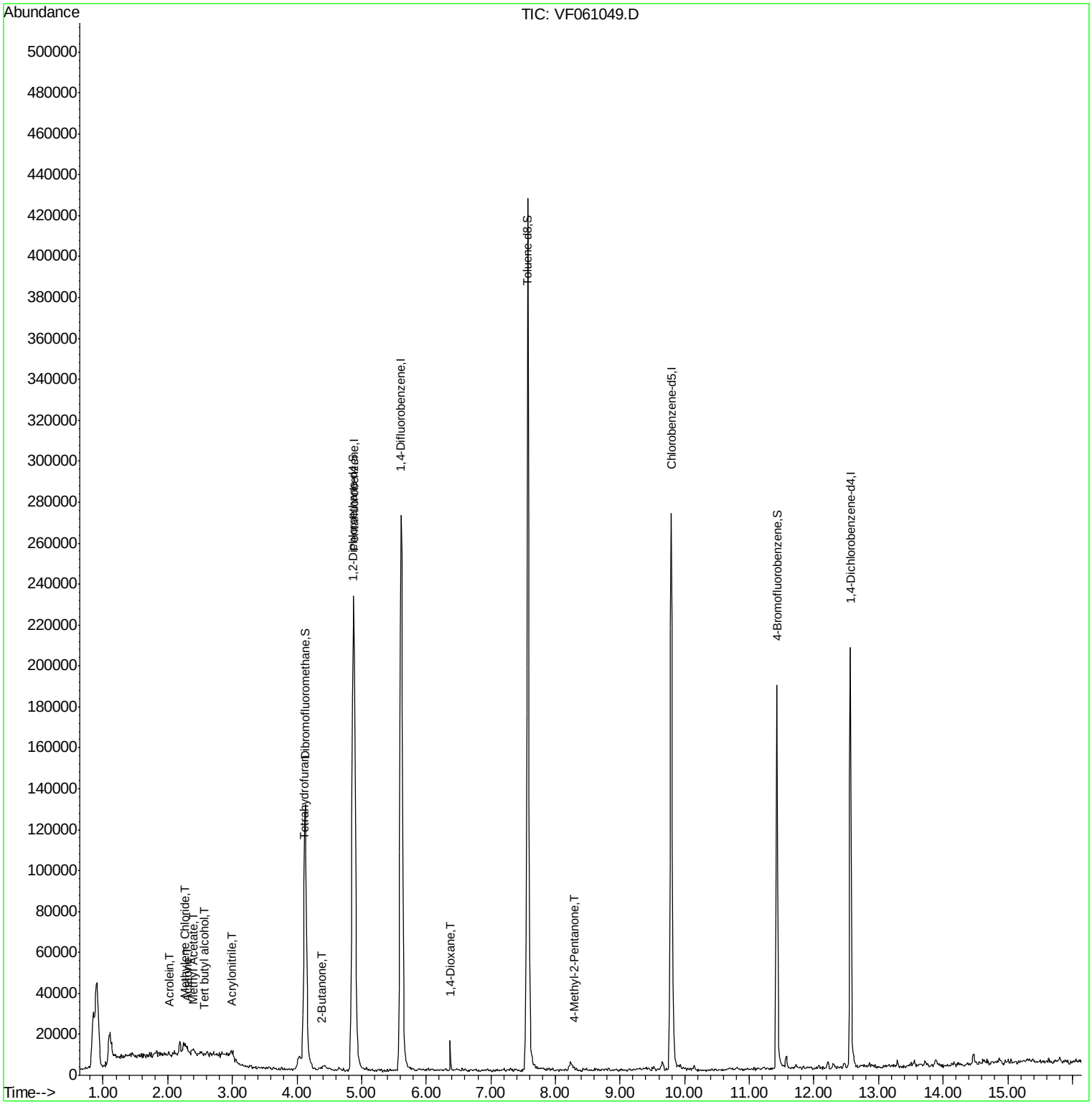
(#) = qualifier out of range (m) = manual integration (+) = signals summed

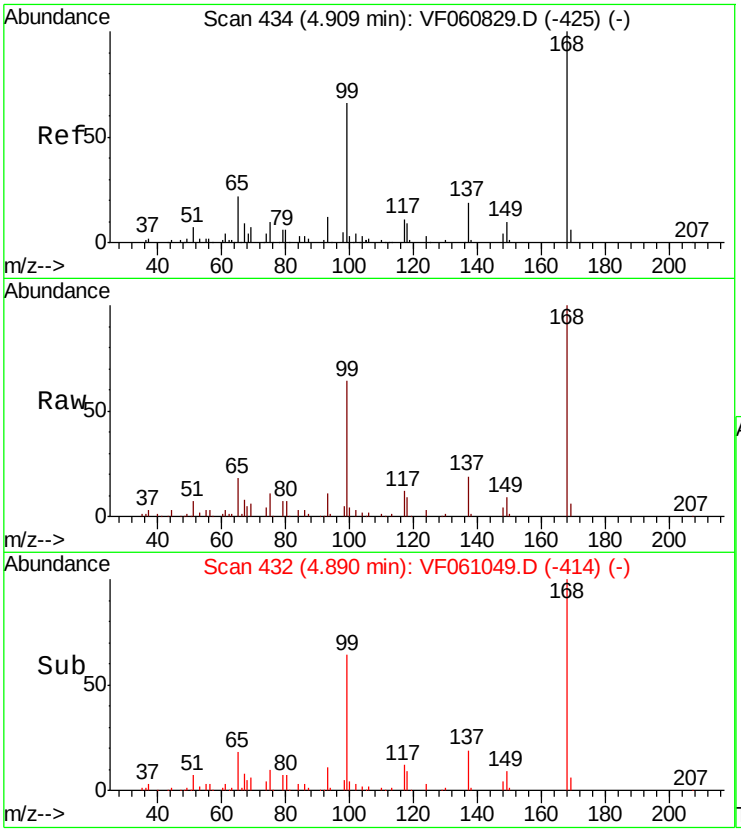
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061049.D
Acq On : 17 Dec 2018 19:22
Operator : VA/AP
Sample : J6353-08RE
Misc : 5.69g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 18 03:09:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration



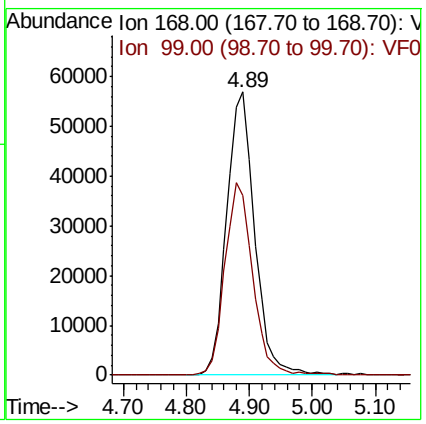


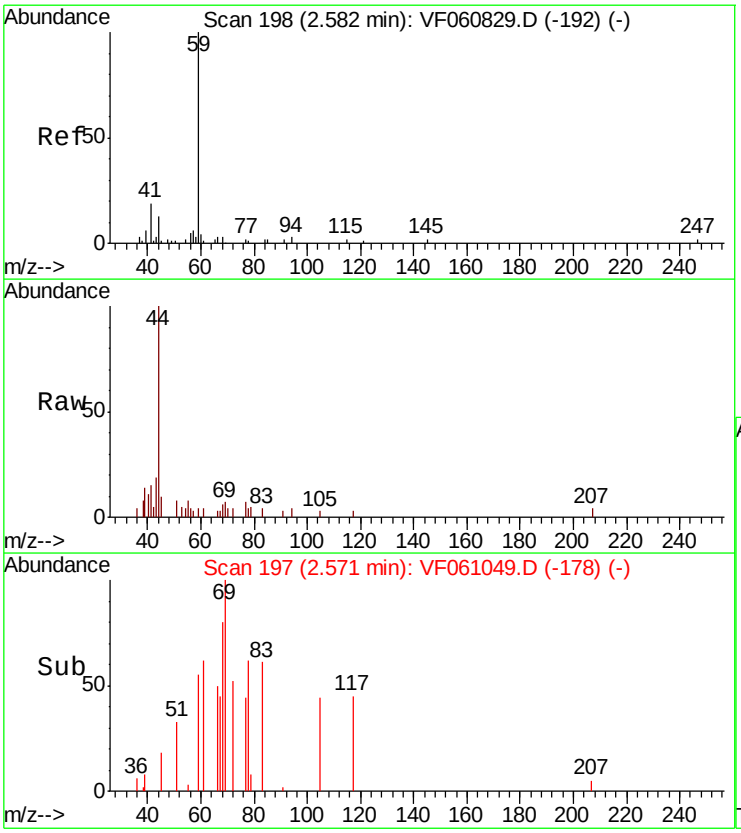
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.02 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 174203

Ion	Ratio	Lower	Upper
168	100		
99	63.6	52.6	79.0

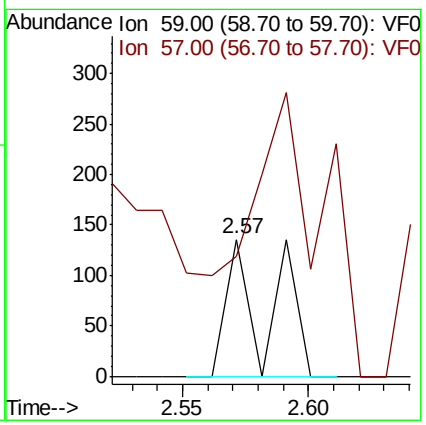


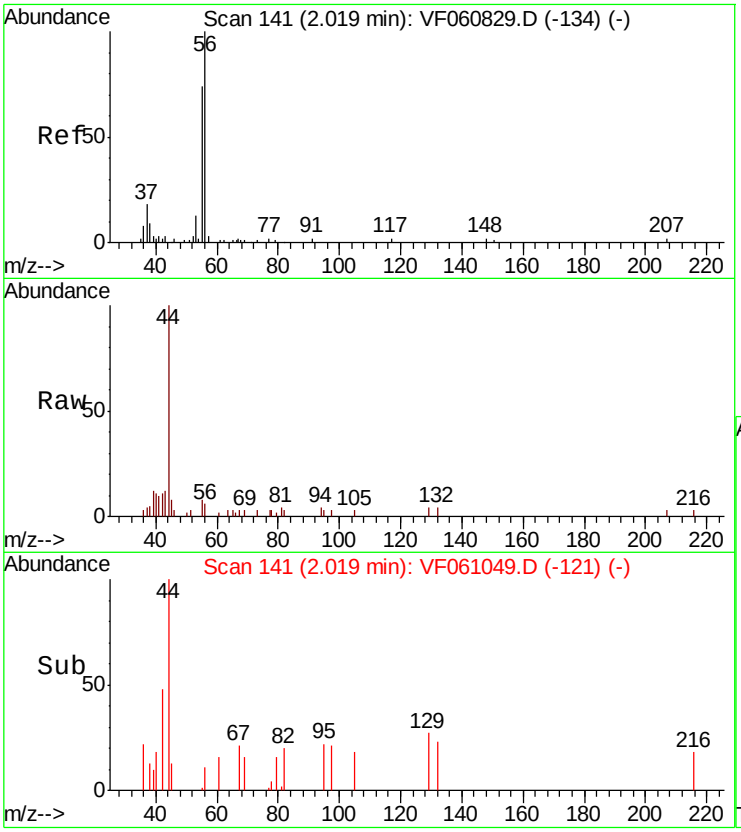


#11
Tert butyl alcohol
Concen: 1.902 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion: 59 Resp: 160

Ion	Ratio	Lower	Upper
59	100		
57	87.5	12.7	19.1#



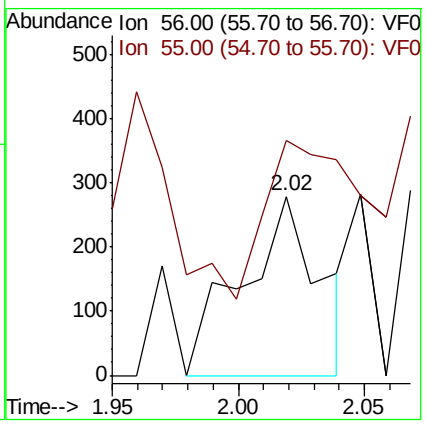


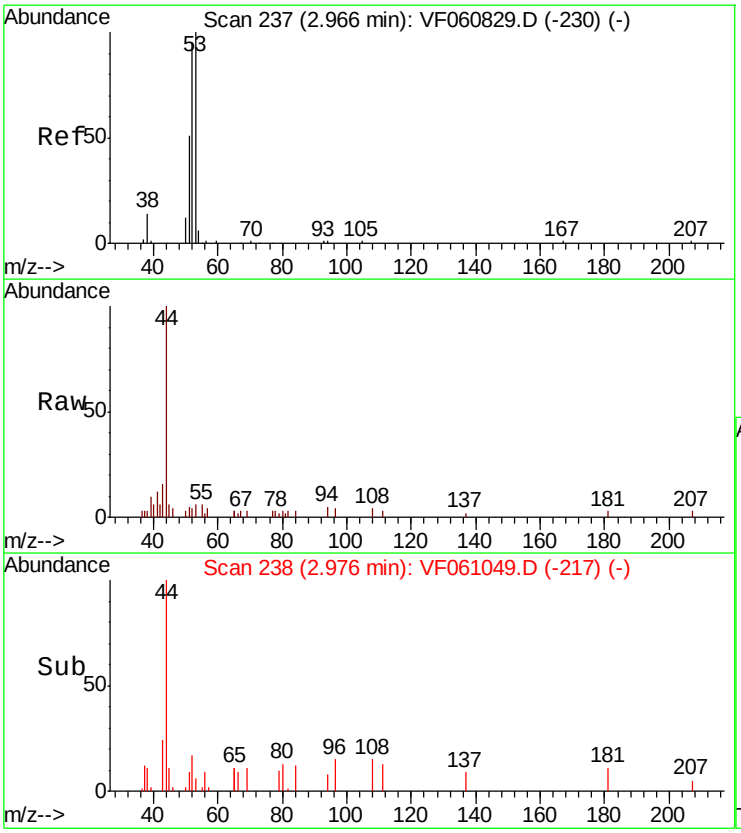
#13
Acrolein
Concen: 7.478 ug/l
RT: 2.02 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 596

Ion	Ratio	Lower	Upper
56	100		
55	131.3	61.2	91.8#

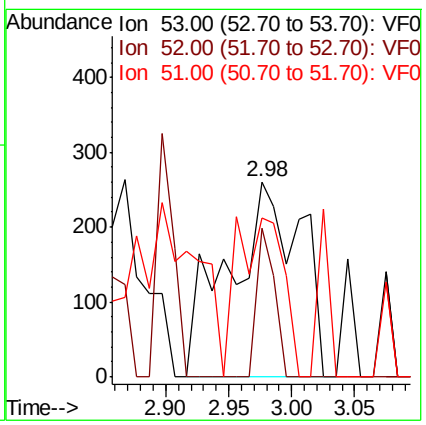


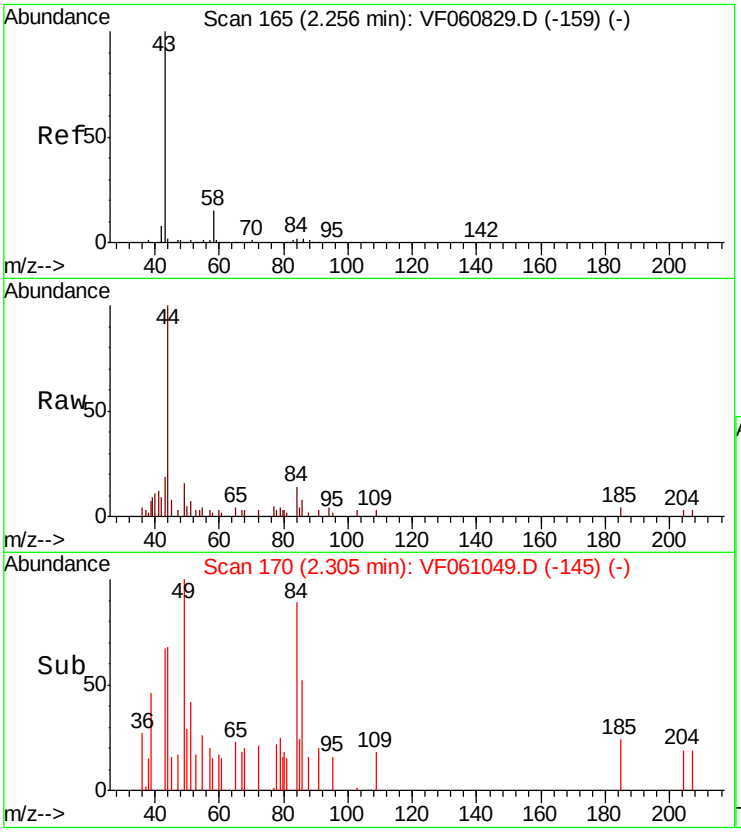


#15
Acrylonitrile
Concen: 5.520 ug/l
RT: 2.98 min Scan# 238
Delta R.T. 0.01 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion: 53 Resp: 1041

Ion	Ratio	Lower	Upper
53	100		
52	75.9	76.5	114.7#
51	81.2	40.7	61.1#



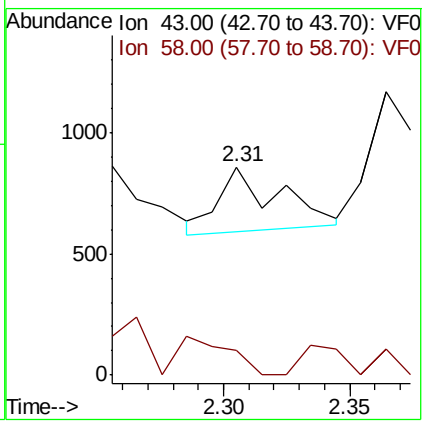


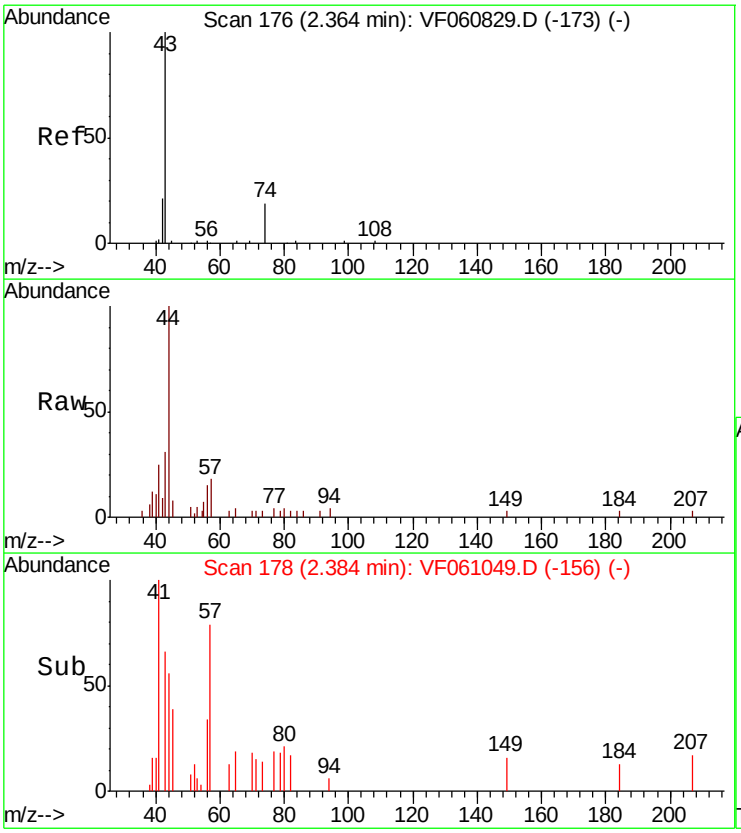
#16
Acetone
Concen: 1.181 ug/l
RT: 2.31 min Scan# 170
Delta R.T. 0.05 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 447

Ion	Ratio	Lower	Upper
43	100		
58	12.1	11.4	17.2

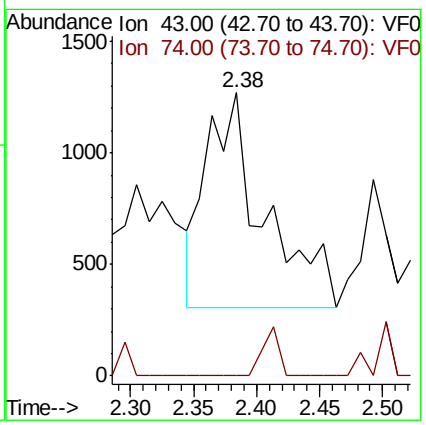


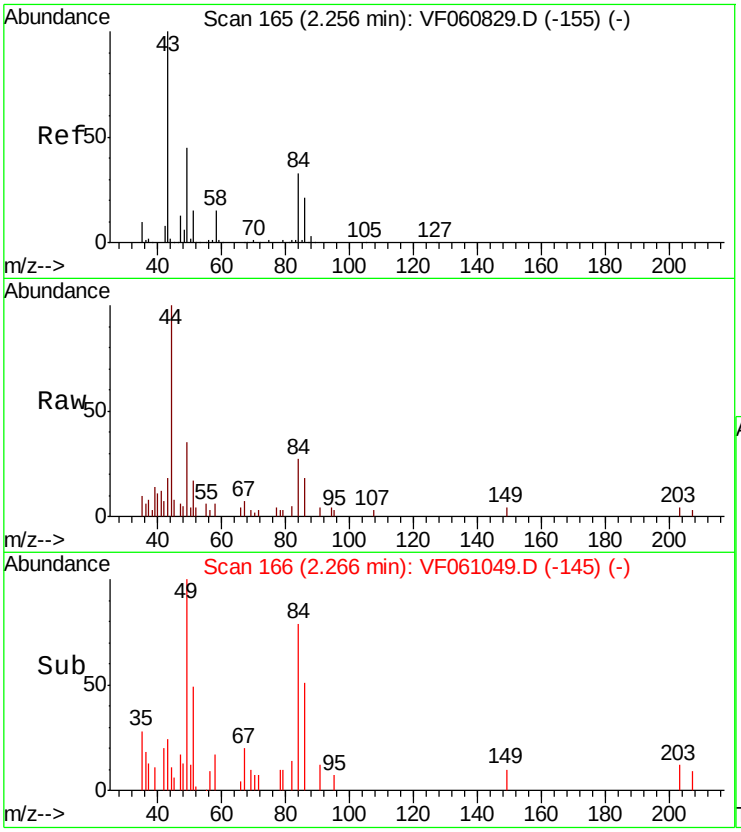


#18
Methyl Acetate
Concen: 3.259 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion: 43 Resp: 3049

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.3	19.9#



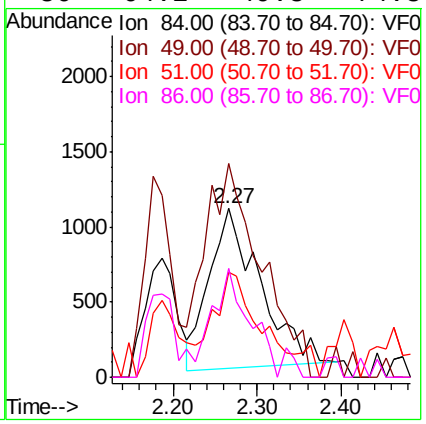


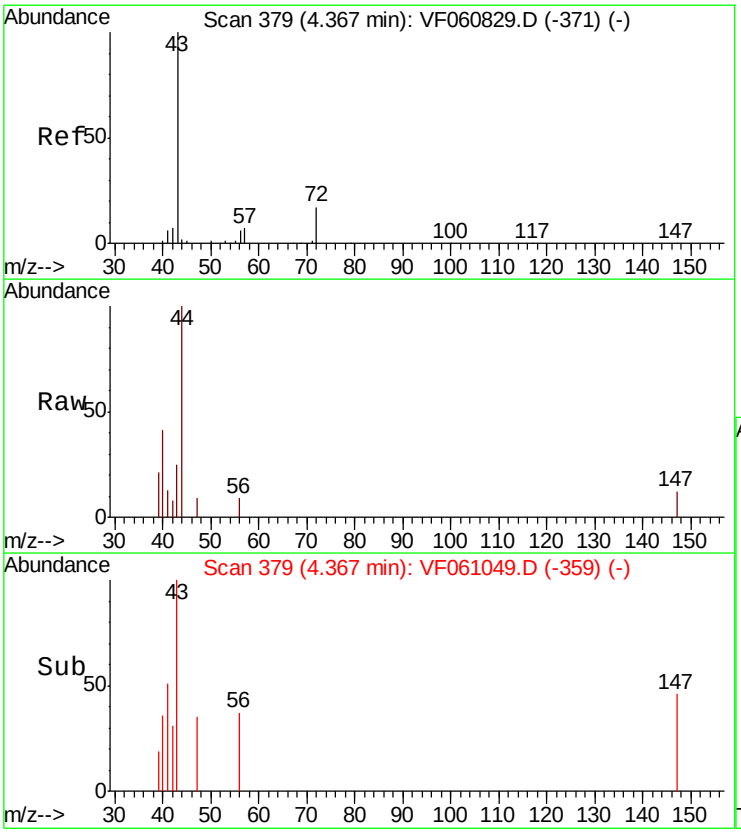
#20
Methylene Chloride
Concen: 3.223 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 4475

Ion	Ratio	Lower	Upper
84	100		
49	126.8	111.3	166.9
51	62.2	38.0	57.0#
86	64.2	49.8	74.8

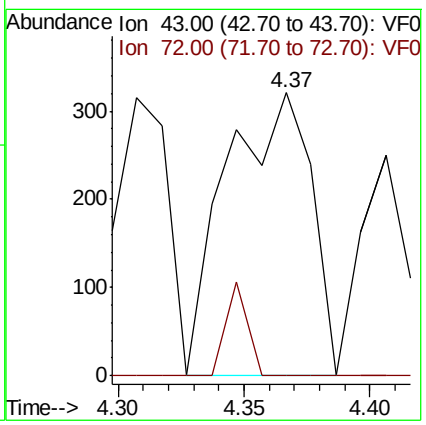


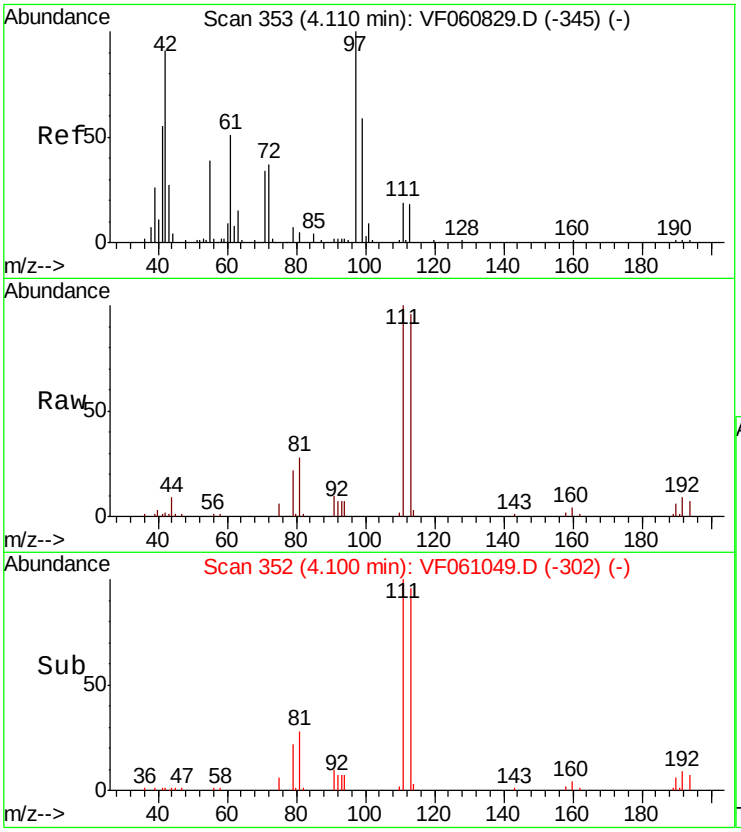


#25
2-Butanone
Concen: 1.152 ug/l
RT: 4.37 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion: 43 Resp: 754

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.4	23.2#



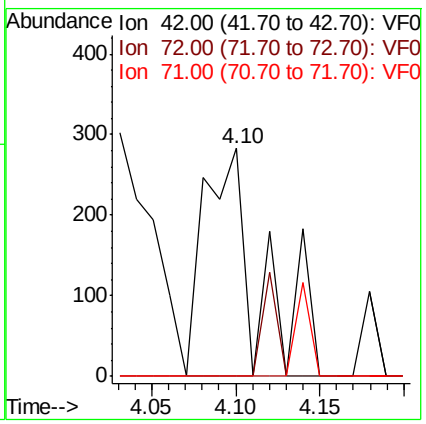


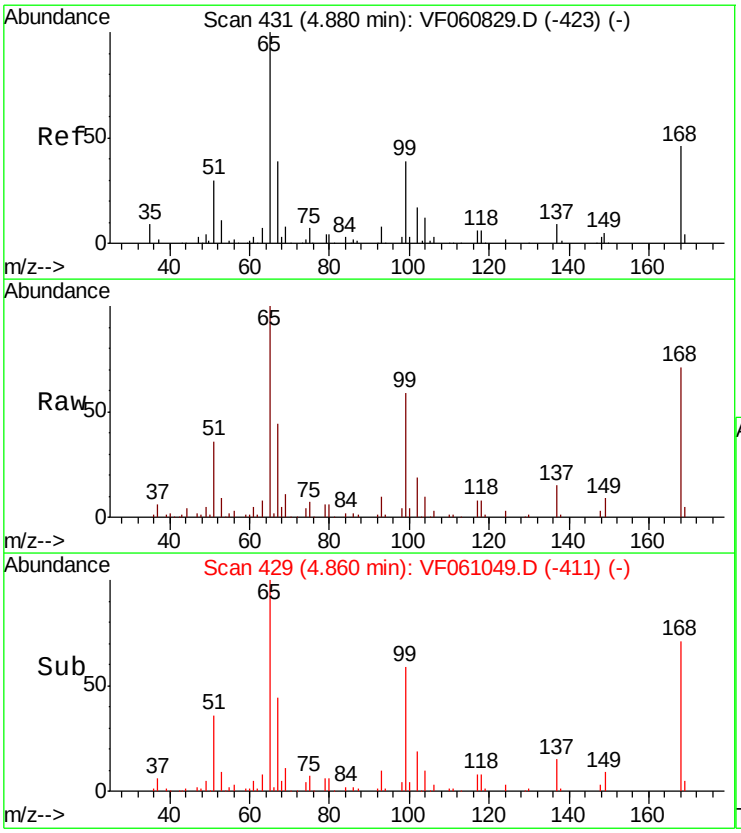
#29
Tetrahydrofuran
Concen: 2.372 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 658

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	0.0	28.7	43.1#

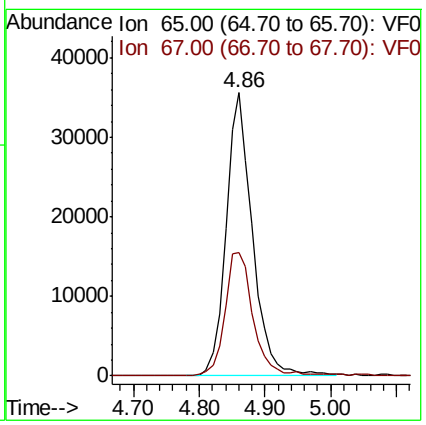


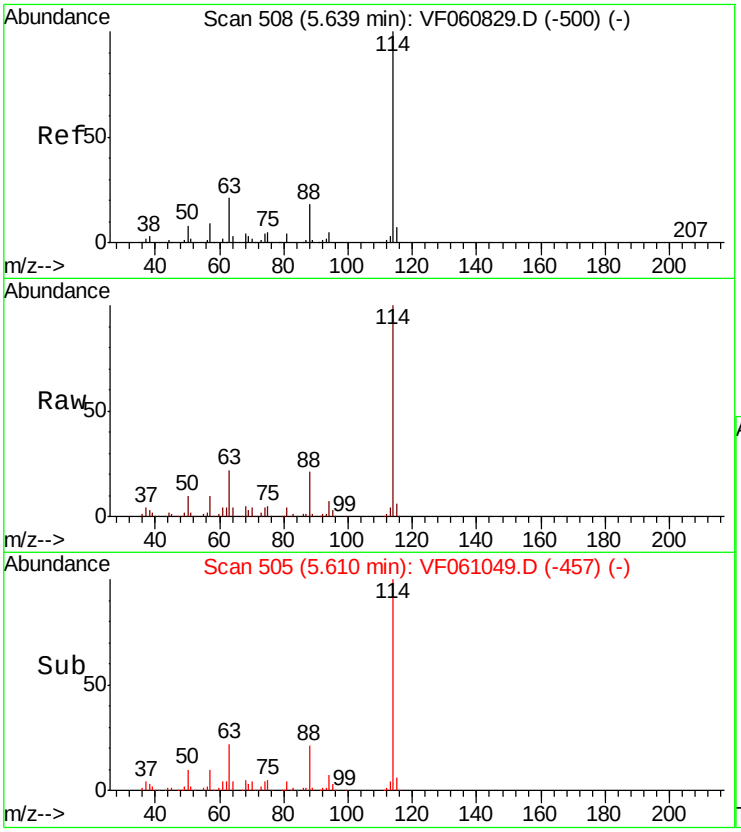


#33
1,2-Dichloroethane-d4
Concen: 48.430 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.02 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion: 65 Resp: 99387

Ion	Ratio	Lower	Upper
65	100		
67	43.6	0.0	96.4



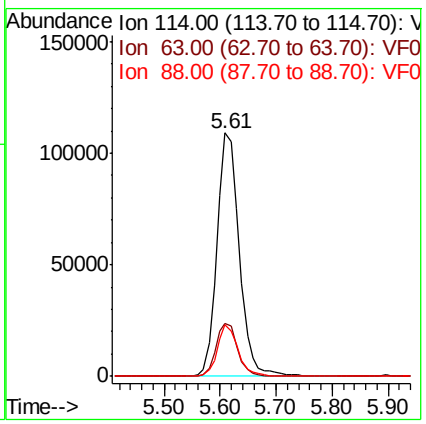


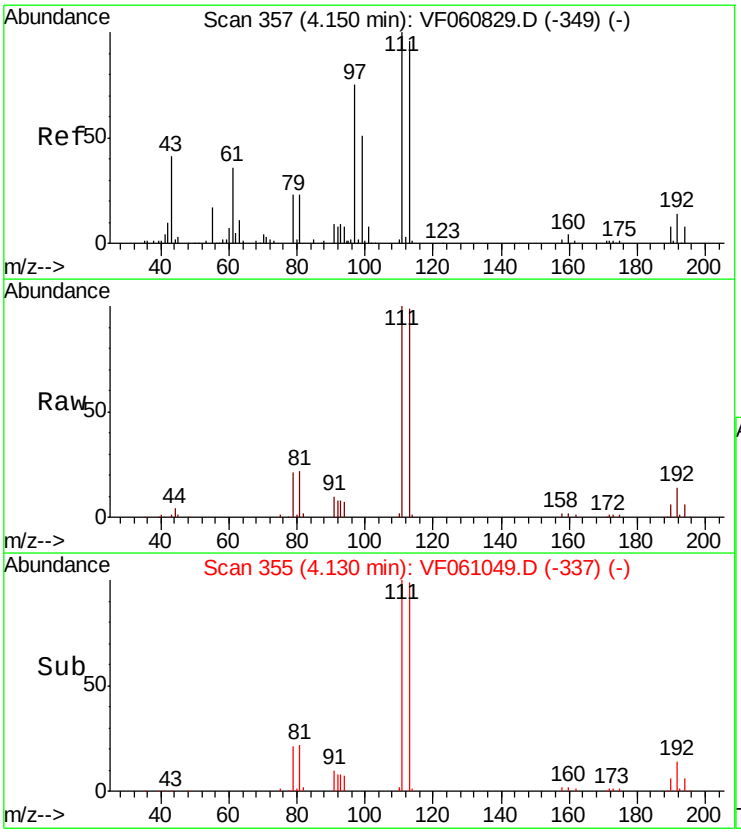
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.03 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 304333

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.6
88	21.1	0.0	36.6

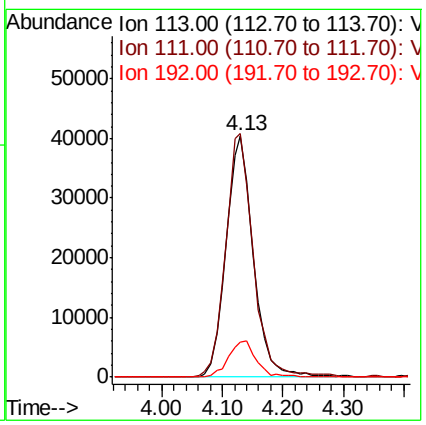


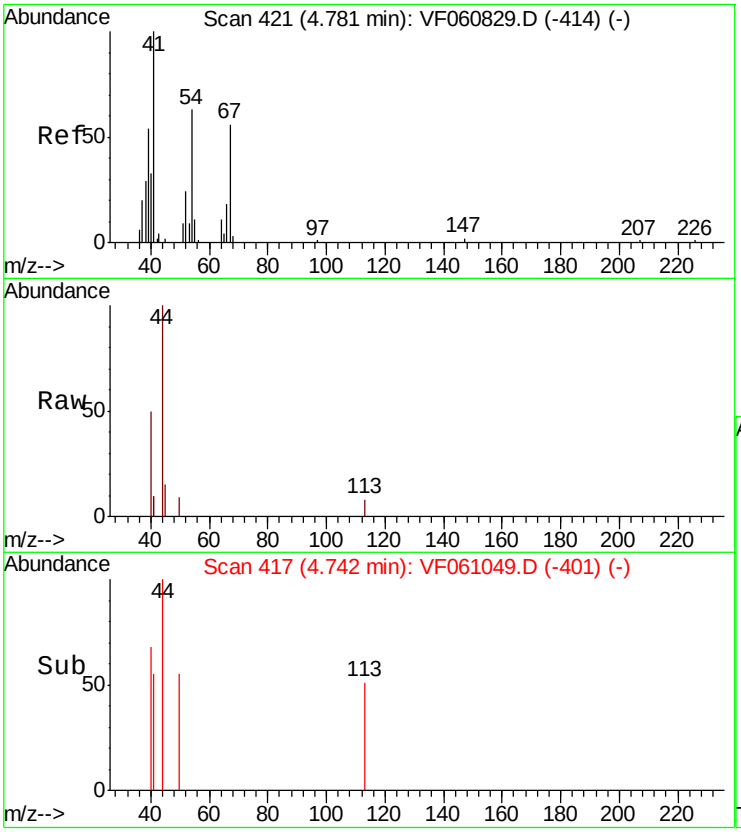


#35
Dibromofluoromethane
Concen: 52.072 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion:113 Resp: 125720

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.0	124.6
192	14.7	12.3	18.5



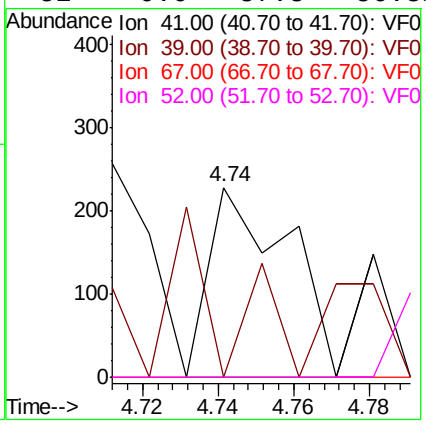


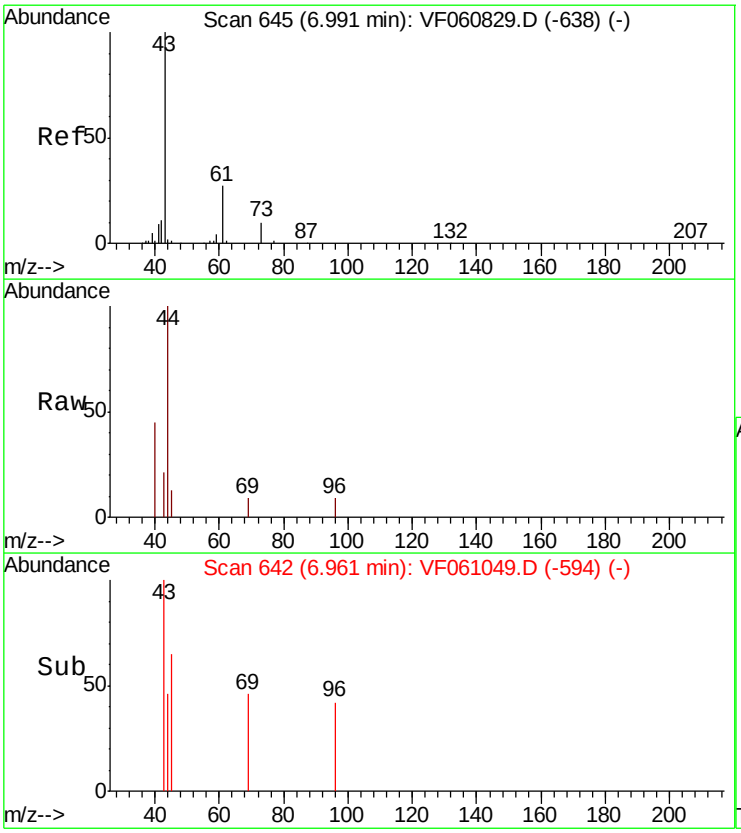
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 41 Resp: 330

Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#

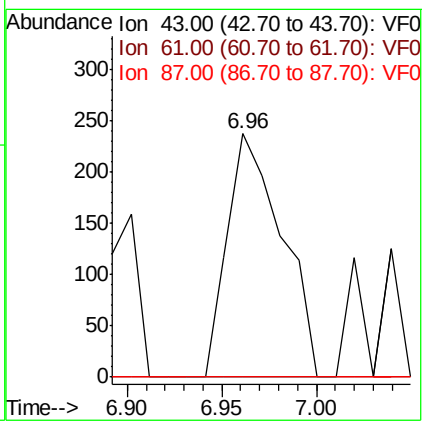


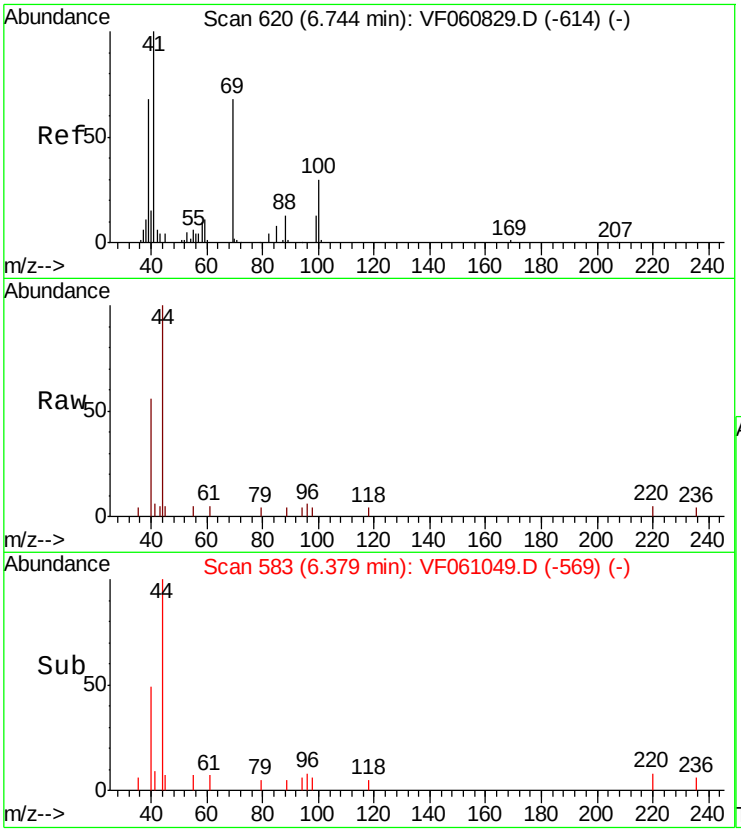


#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.96 min Scan# 642
Delta R.T. -0.03 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion: 43 Resp: 474

Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#



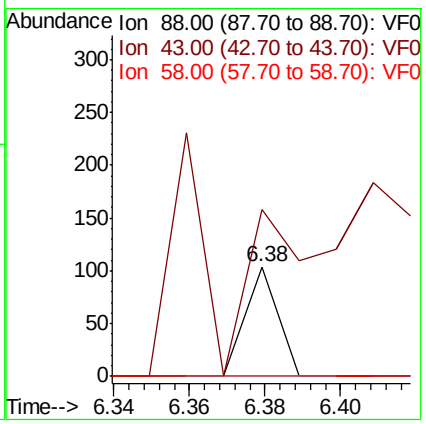


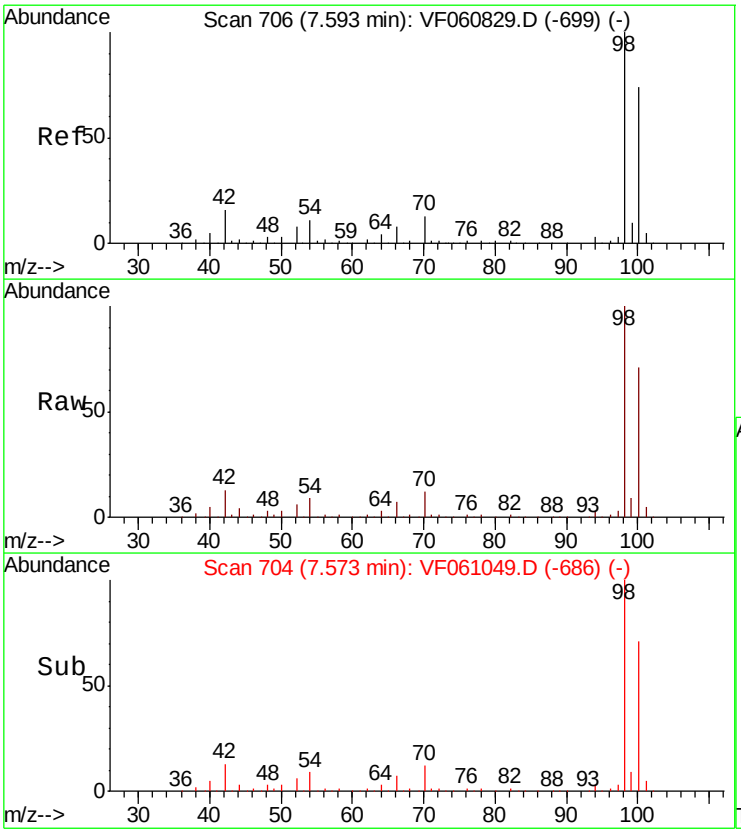
#49
1,4-Dioxane
Concen: 6.823 ug/l
RT: 6.38 min Scan# 583
Delta R.T. -0.37 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 62

Ion	Ratio	Lower	Upper
88	100		
43	151.9	42.0	63.0#
58	0.0	61.8	92.8#

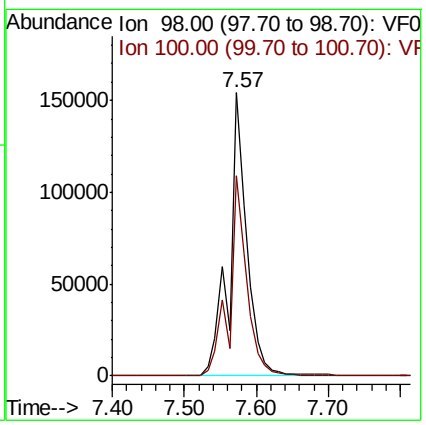


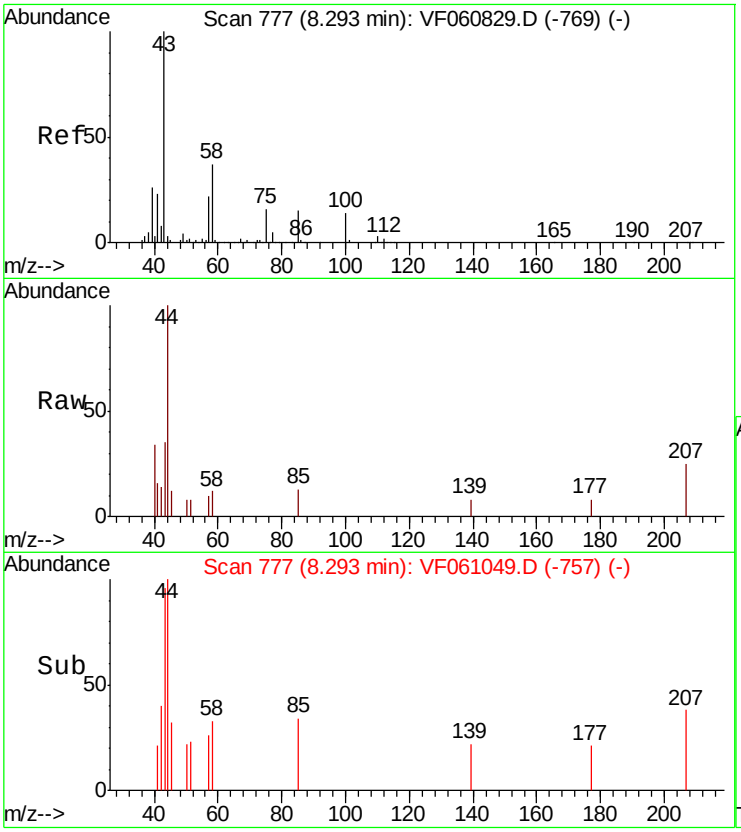


#50
Toluene-d8
Concen: 36.970 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion: 98 Resp: 262928

Ion	Ratio	Lower	Upper
98	100		
100	70.7	59.3	88.9



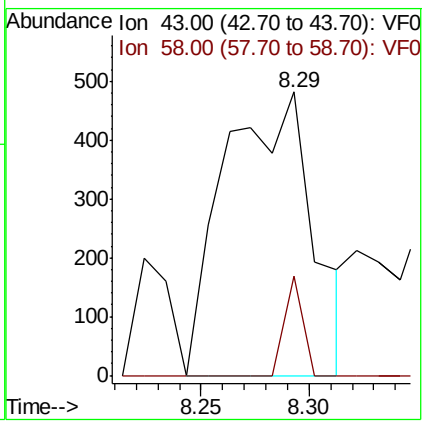


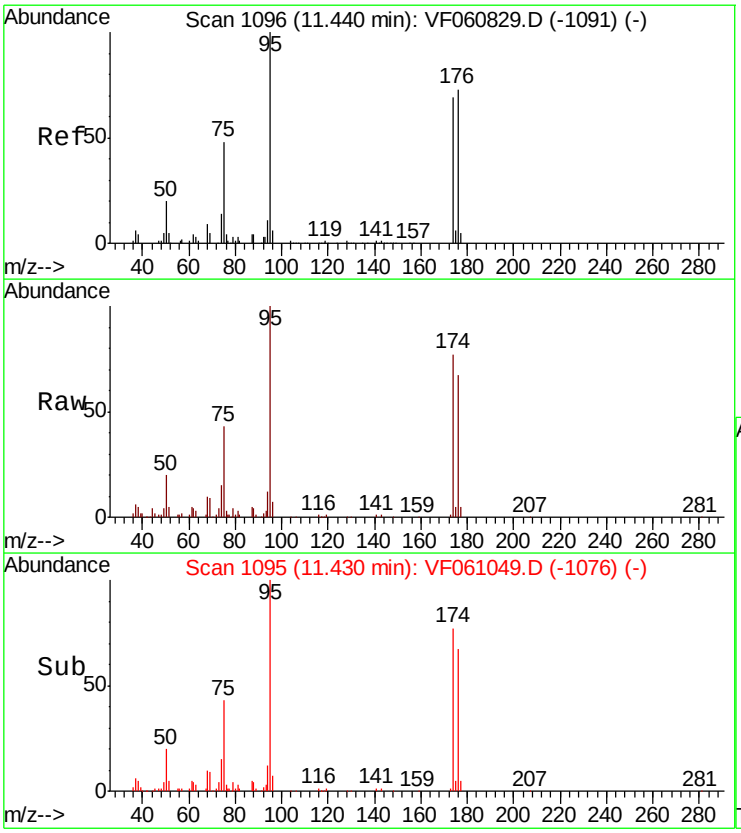
#51
4-Methyl-2-Pentanone
Concen: 1.088 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 1376

Ion	Ratio	Lower	Upper
43	100		
58	34.9	29.7	44.5

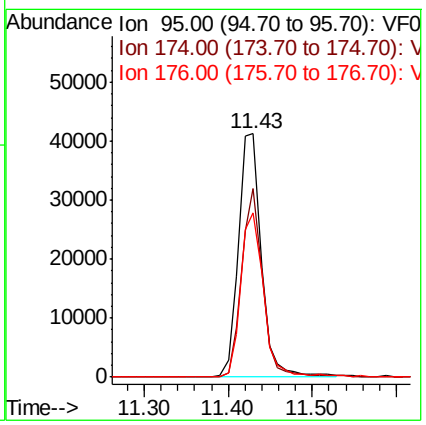


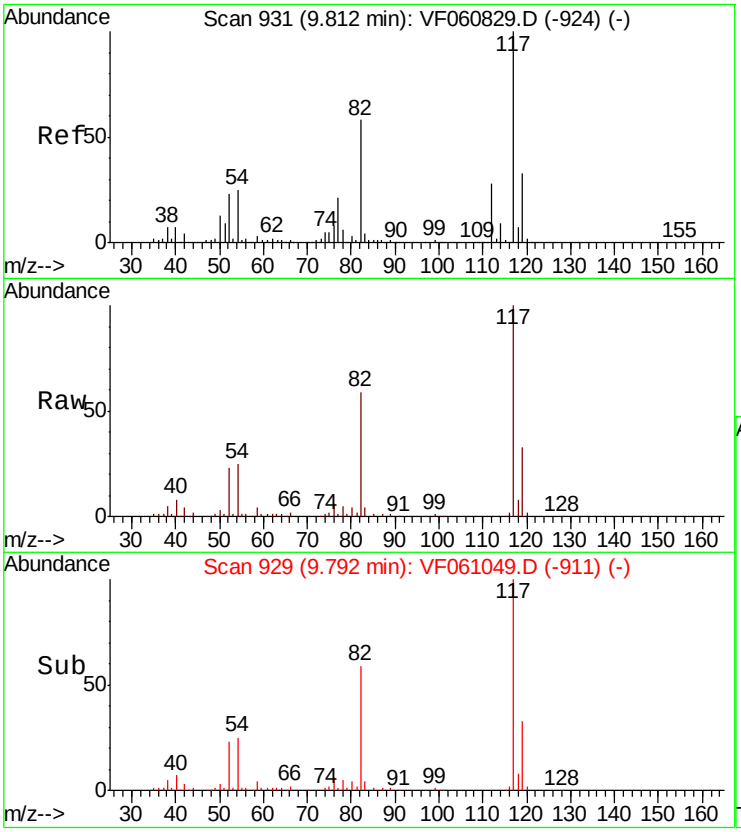


#62
4-Bromofluorobenzene
Concen: 24.284 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion: 95 Resp: 78492

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	138.2
176	67.4	0.0	146.2



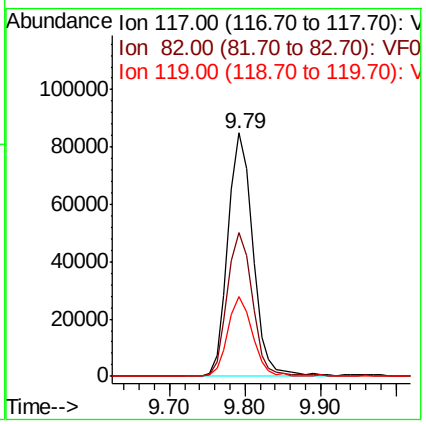


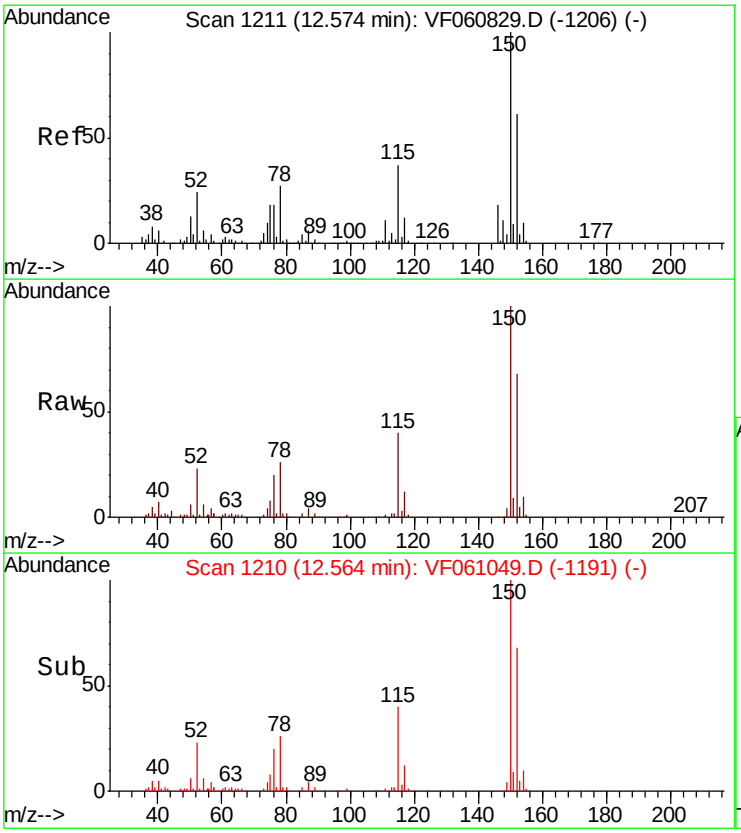
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 194777

Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.6	69.8
119	32.7	26.4	39.6

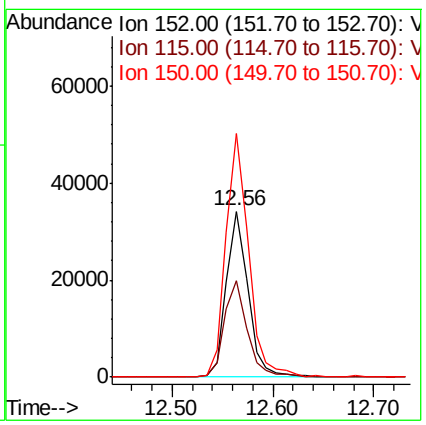


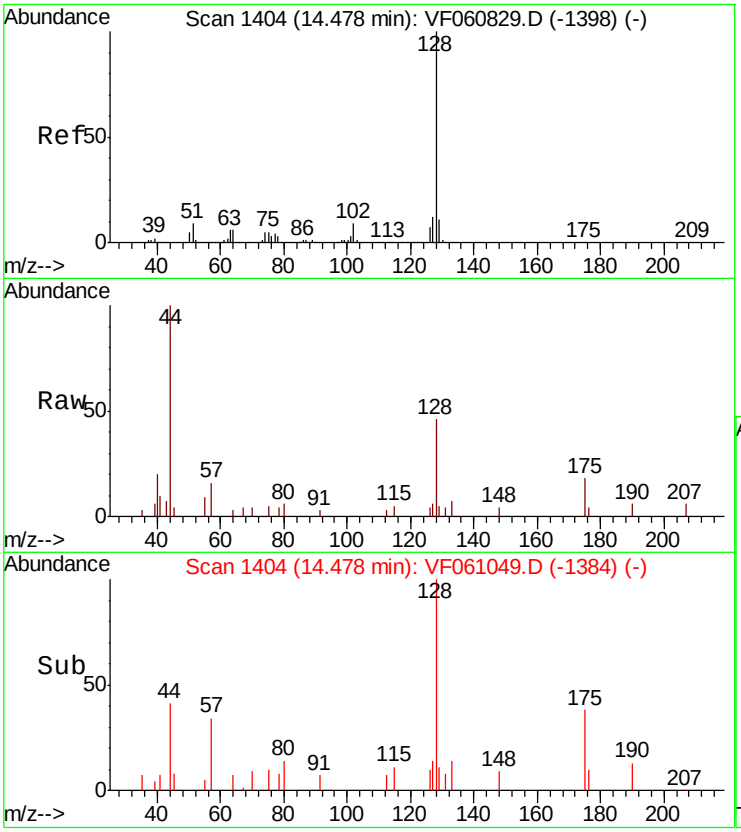


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Tgt Ion:152 Resp: 51250

Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.1	90.5
150	146.8	0.0	327.6





#95
Naphthalene
Concen: Below Cal
RT: 14.48 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF061049.D
Acq: 17 Dec 2018 19:22

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 2857

Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.9	14.9
129	10.6	9.1	13.7