Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
Data File : VF061177.D
Acq On : 24 Dec 2018 20:58
Operator : VA/AP
Sample : J6446-12
Misc : 2.31g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Dec 24 23:49:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	77318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	130935	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	83753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	23031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	43482	43.73	ug/l	0.00
Spiked Amount 50.000			Recovery = 87.46%			
35) Dibromofluoromethane	4.12	113	49180	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.78%			
50) Toluene-d8	7.55	98	117340	39.48	ug/l	0.00
Spiked Amount 50.000			Recovery = 78.96%			
62) 4-Bromofluorobenzene	11.41	95	31689	23.13	ug/l	0.00
Spiked Amount 50.000			Recovery = 46.26%			
Target Compounds						Qvalue
5) Bromomethane	1.37	94	647	1.021	ug/l #	3
11) Tert butyl alcohol	2.56	59	66	1.645	ug/l #	65
13) Acrolein	2.04	56	333	11.484	ug/l	93
14) Allyl chloride	2.11	41	963	1.358	ug/l #	78
15) Acrylonitrile	2.95	53	644	6.940	ug/l #	20
16) Acetone	2.24	43	3246	16.328	ug/l #	83
18) Methyl Acetate	2.36	43	723	1.758	ug/l #	87
20) Methylene Chloride	2.22	84	59	Below Cal	#	51
25) 2-Butanone	4.37	43	939	2.912	ug/l #	57
29) Tetrahydrofuran	4.11	42	268	2.042	ug/l #	37
49) 1,4-Dioxane	7.06	88	80	20.695	ug/l #	15
51) 4-Methyl-2-Pentanone	8.27	43	579	1.106	ug/l #	38
52) Toluene	7.63	92	5599	2.489	ug/l	94
59) 2-Hexanone	9.55	43	1003	2.650	ug/l #	27
68) m/p-Xylenes	10.14	106	4433	3.996	ug/l	87
69) o-Xylene	10.72	106	1335	1.085	ug/l	97
70) Styrene	10.84	104	61	Below Cal	#	30
78) n-propylbenzene	11.60	91	196	Below Cal	#	55
87) 1,3-Dichlorobenzene	12.56	146	82	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	13.80	75	74	1.224	ug/l #	2

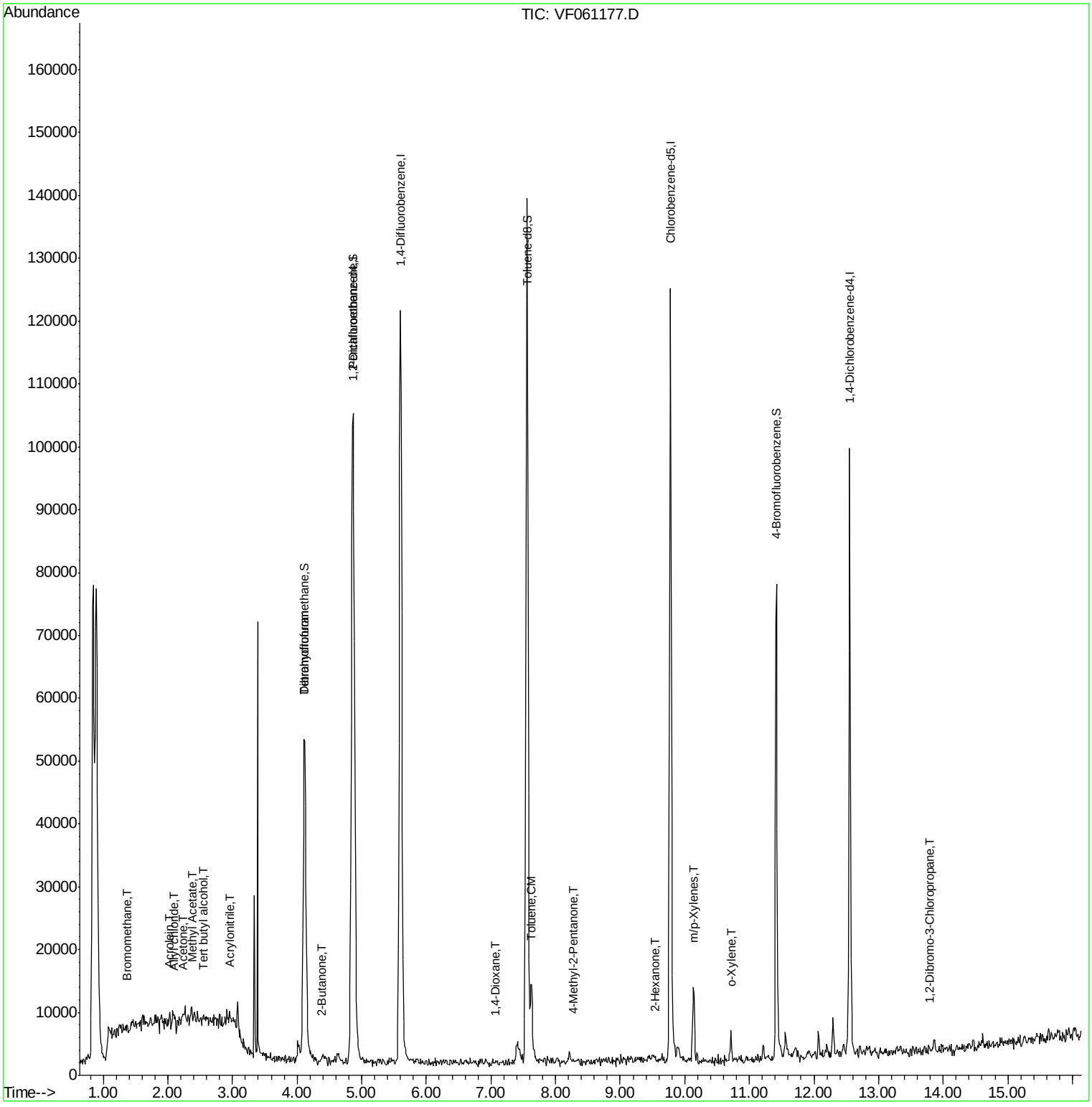
(#) = qualifier out of range (m) = manual integration (+) = signals summed

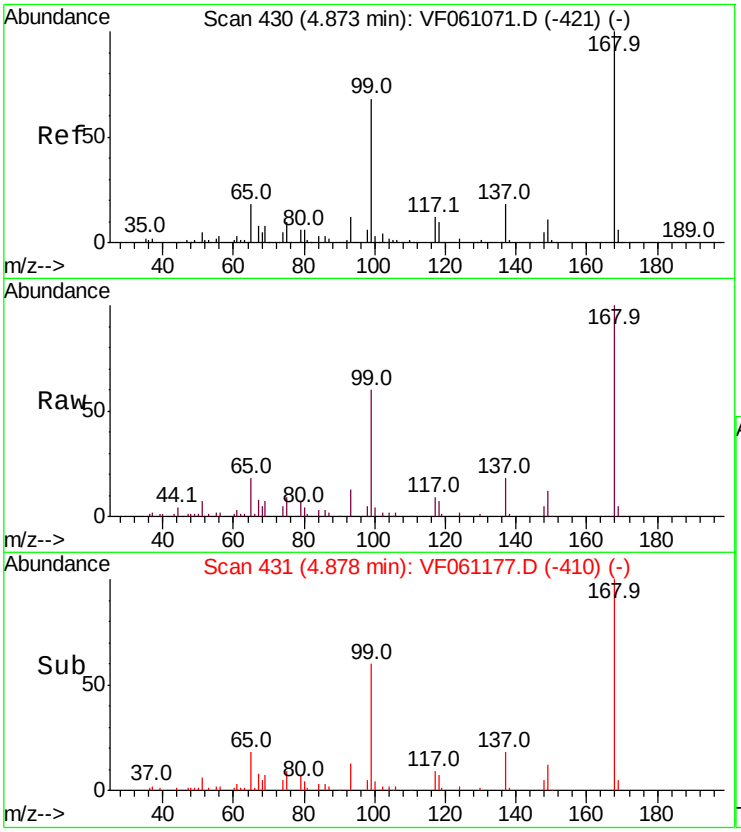
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
Data File : VF061177.D
Acq On : 24 Dec 2018 20:58
Operator : VA/AP
Sample : J6446-12
Misc : 2.31g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 24 23:49:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration



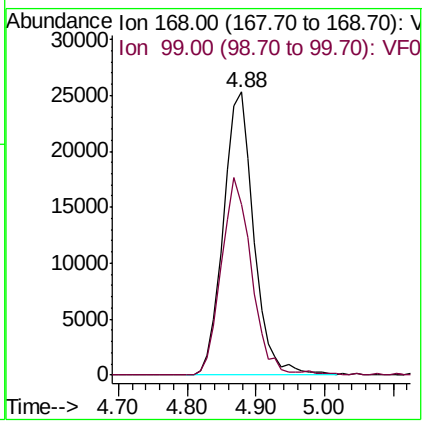


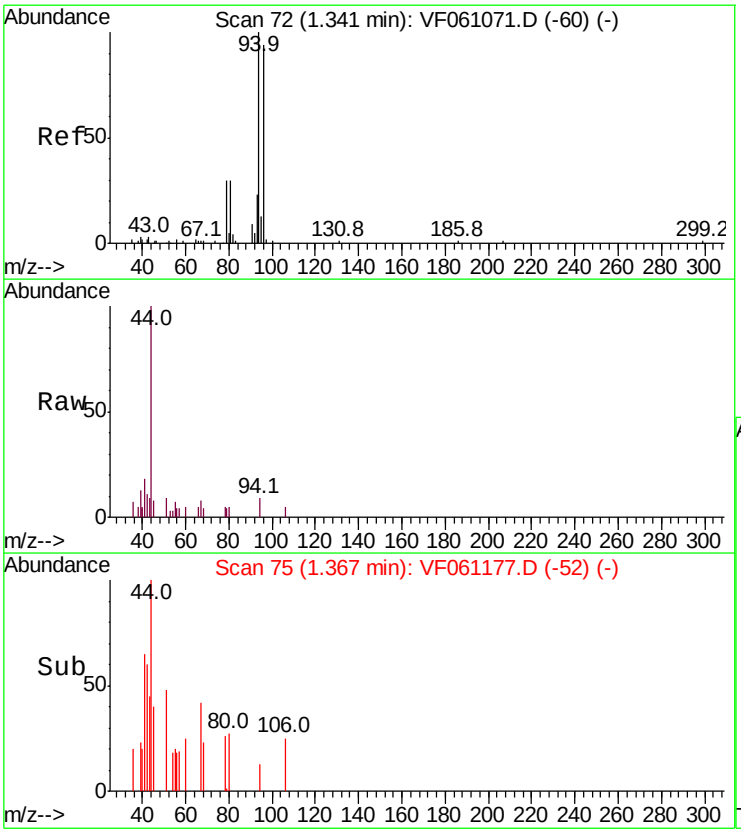
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 77318

Ion	Ratio	Lower	Upper
168	100		
99	60.3	54.4	81.6

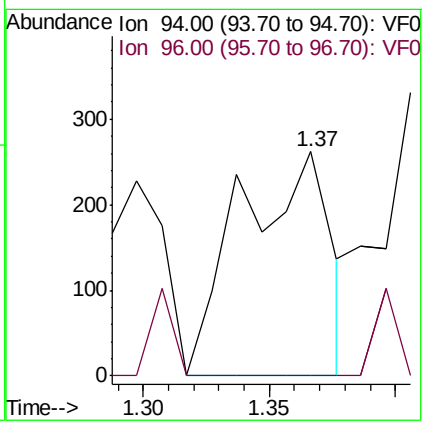


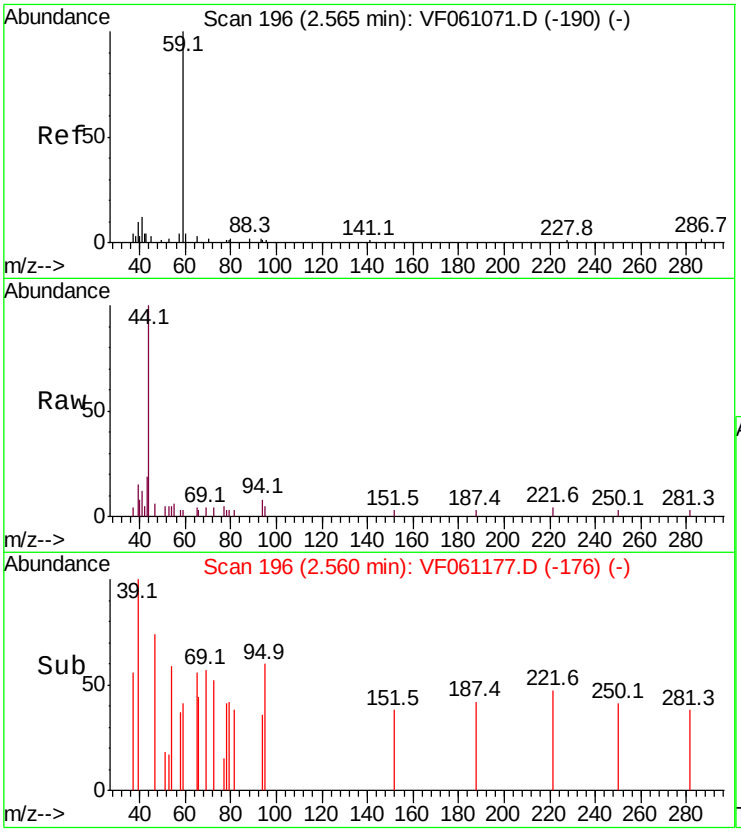


#5
Bromomethane
Concen: 1.021 ug/l
RT: 1.37 min Scan# 75
Delta R.T. 0.03 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 94 Resp: 647

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.4	111.6#



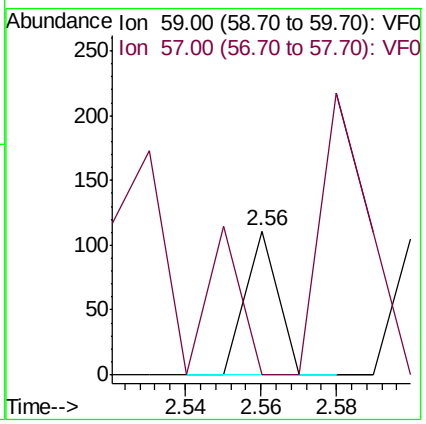


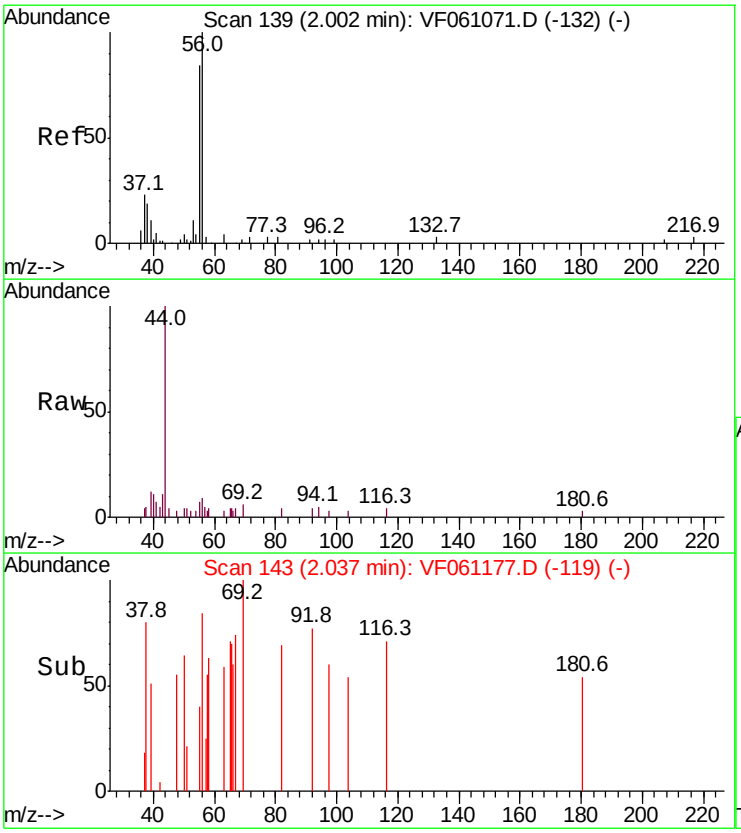
#11
Tert butyl alcohol
Concen: 1.645 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 59 Resp: 66

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.5	17.3#

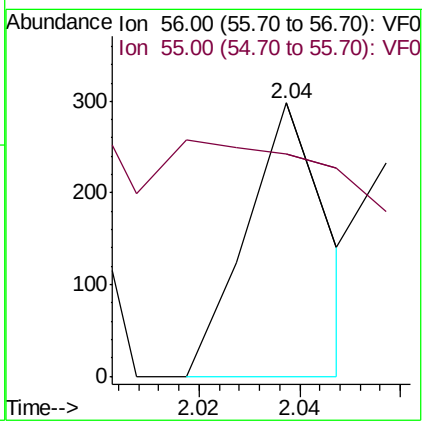


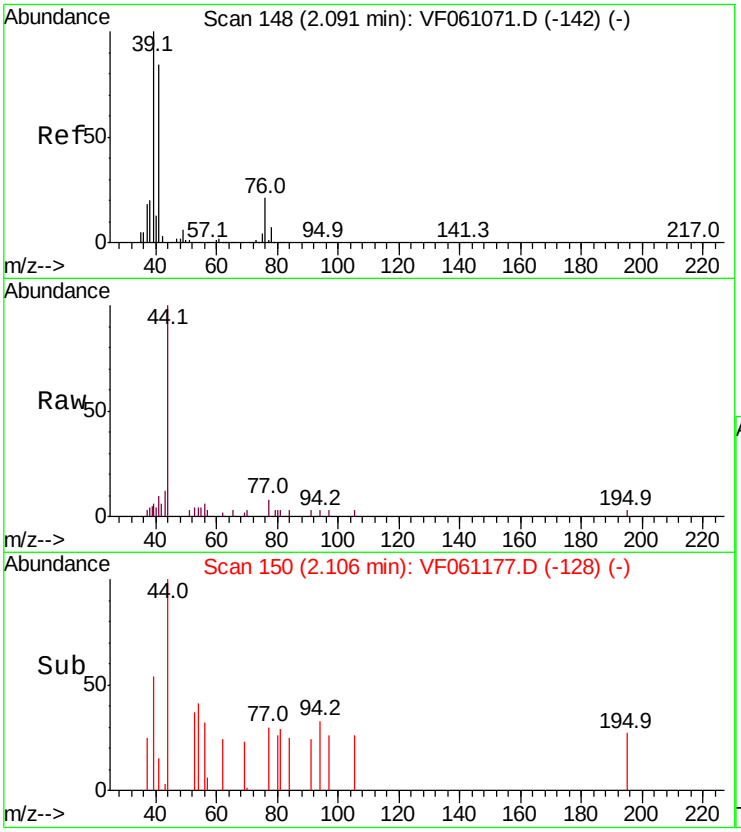


#13
Acrolein
Concen: 11.484 ug/l
RT: 2.04 min Scan# 143
Delta R.T. 0.04 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 56 Resp: 333

Ion	Ratio	Lower	Upper
56	100		
55	81.5	70.2	105.2



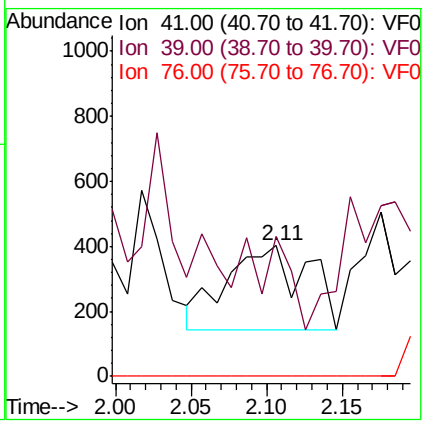


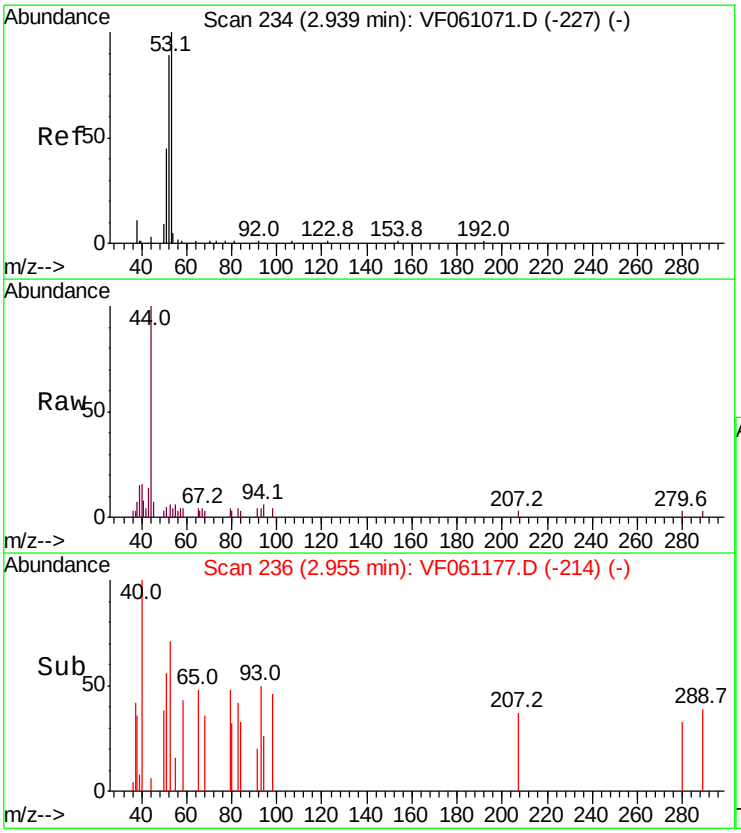
#14
Allyl chloride
Concen: 1.358 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.02 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 41 Resp: 963

Ion	Ratio	Lower	Upper
41	100		
39	106.5	96.4	144.6
76	0.0	25.4	38.0#

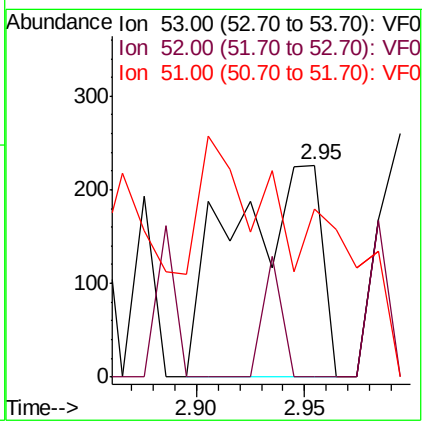


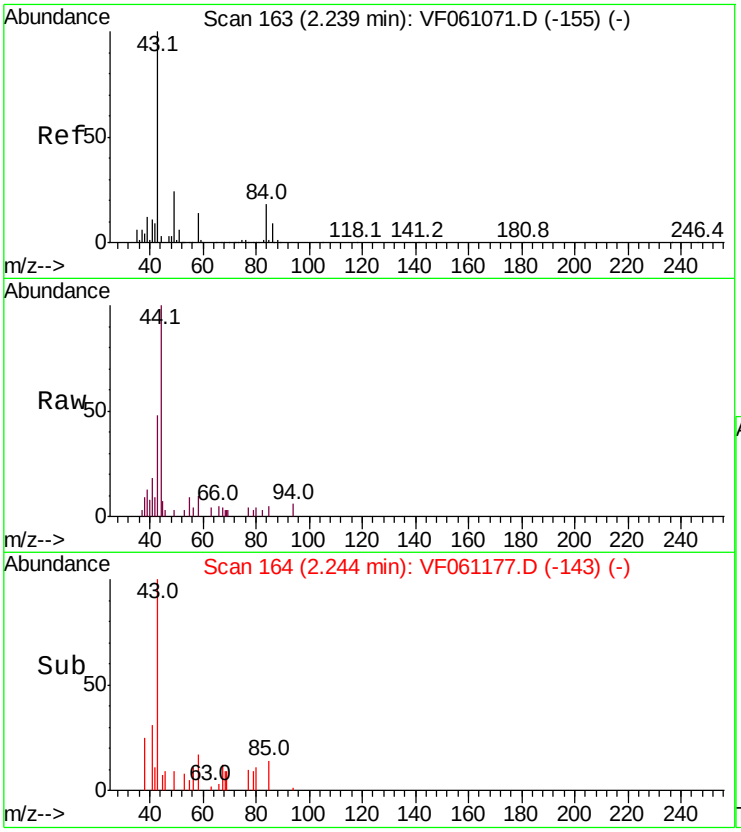


#15
Acrylonitrile
Concen: 6.940 ug/l
RT: 2.95 min Scan# 236
Delta R.T. 0.02 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 53 Resp: 644

Ion	Ratio	Lower	Upper
53	100		
52	0.0	71.3	106.9#
51	79.2	36.8	55.2#



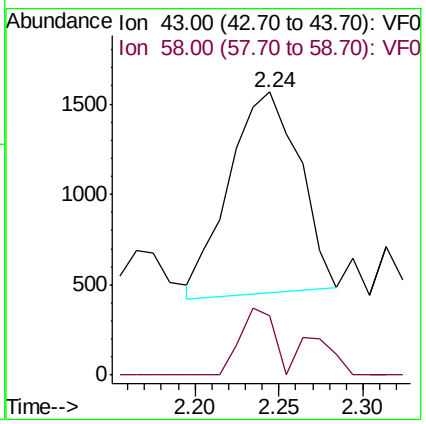


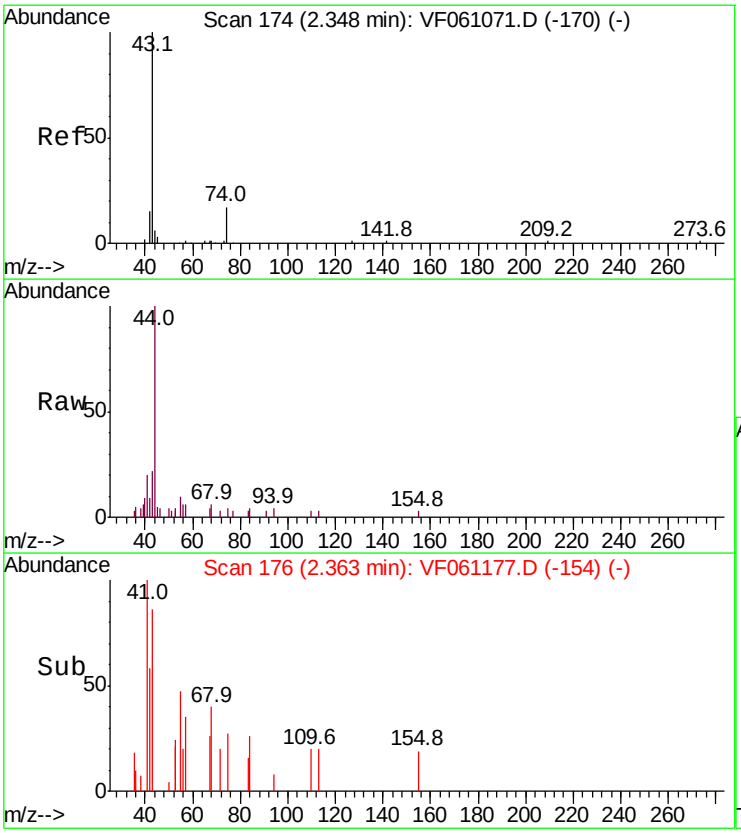
#16
Acetone
Concen: 16.328 ug/l
RT: 2.24 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 3246

Ion	Ratio	Lower	Upper
43	100		
58	20.8	11.1	16.7#

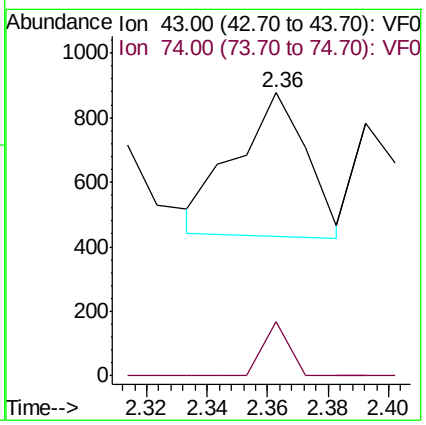


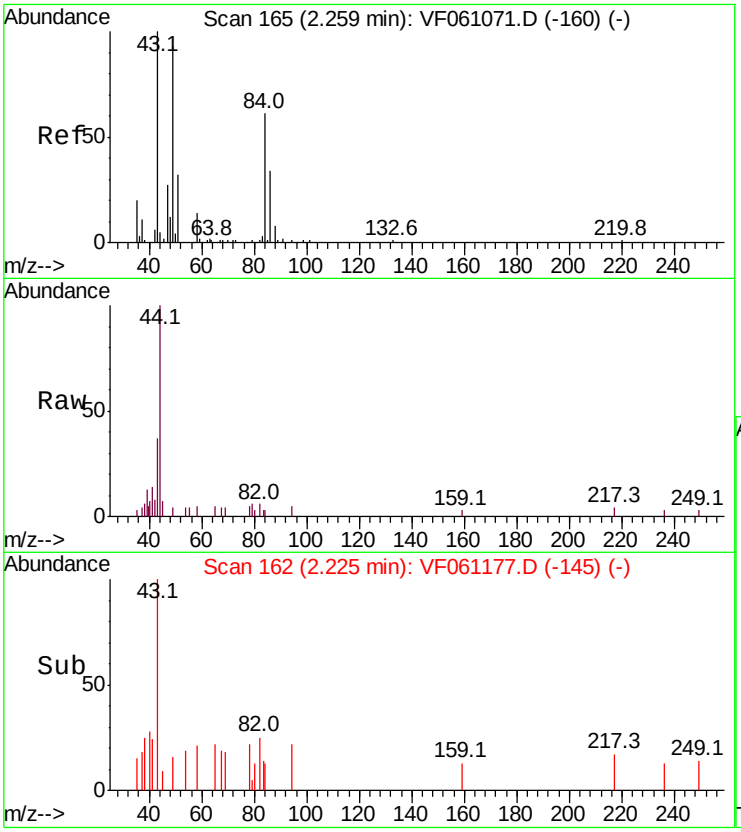


#18
Methyl Acetate
Concen: 1.758 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 43 Resp: 723

Ion	Ratio	Lower	Upper
43	100		
74	19.2	11.0	16.6#



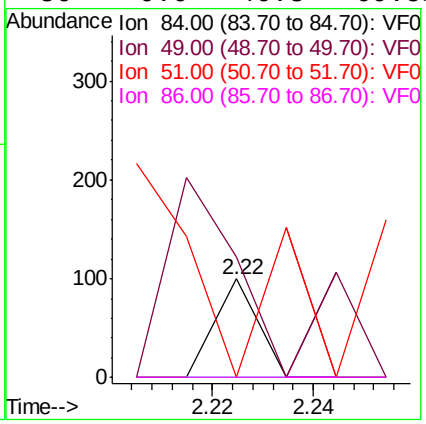


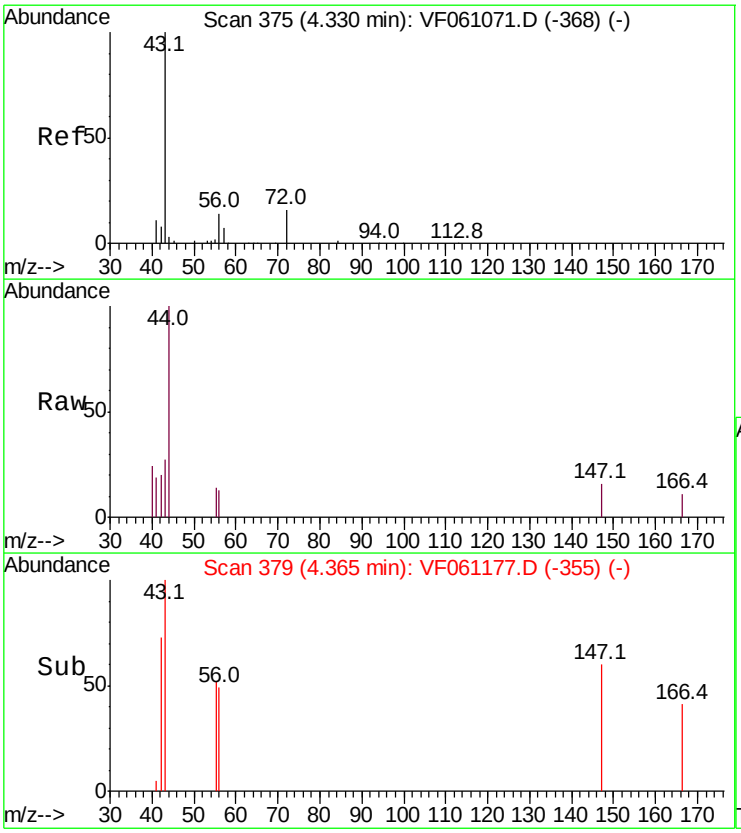
#20
Methylene Chloride
Concen: Below Cal
RT: 2.22 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 59

Ion	Ratio	Lower	Upper
84	100		
49	122.0	129.4	194.2#
51	0.0	44.0	66.0#
86	0.0	46.3	69.5#

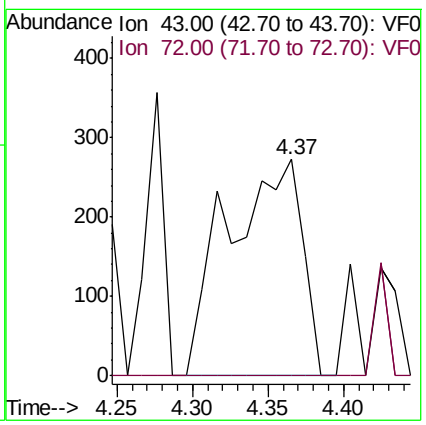


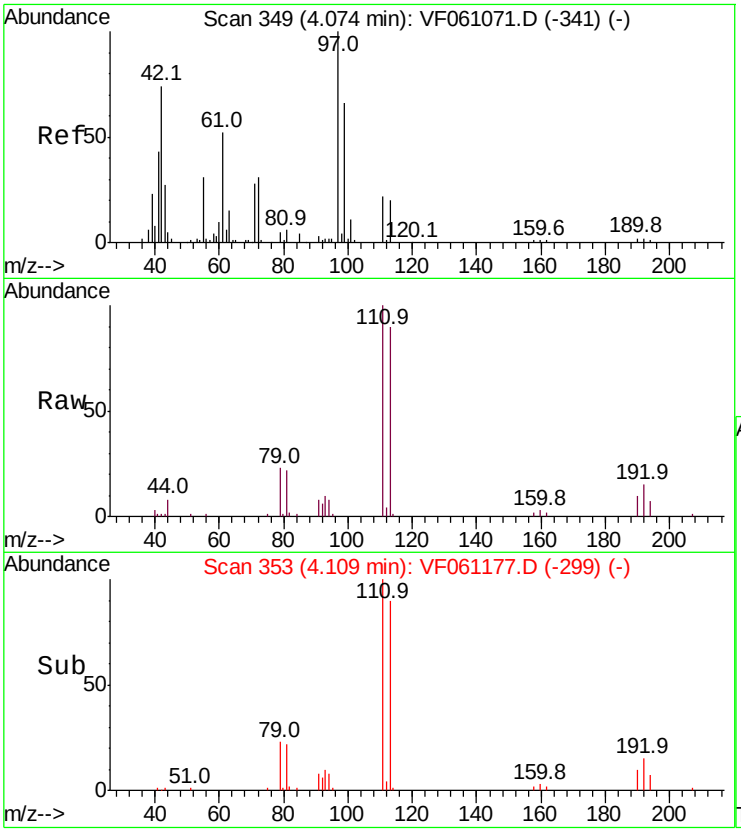


#25
2-Butanone
Concen: 2.912 ug/l
RT: 4.37 min Scan# 379
Delta R.T. 0.03 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 43 Resp: 939

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.6	23.4#



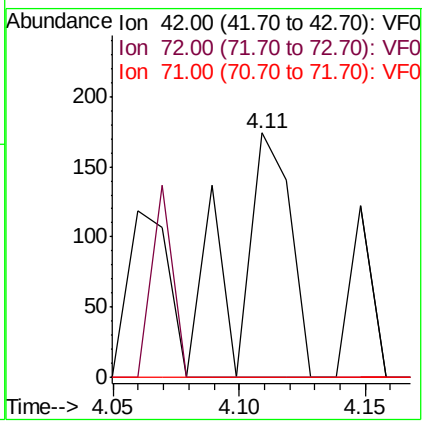


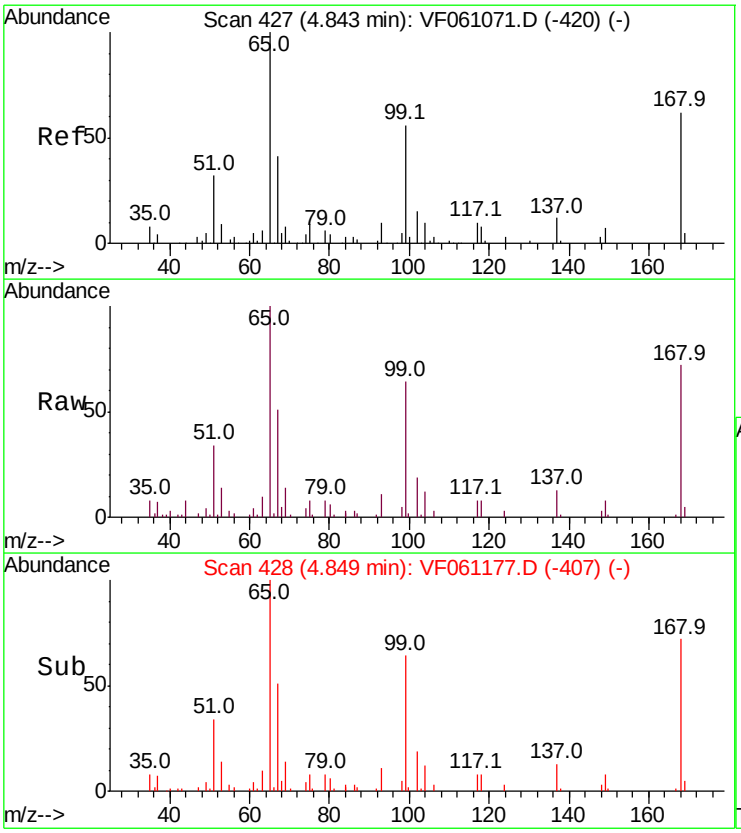
#29
Tetrahydrofuran
Concen: 2.042 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.03 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 268

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	29.7	44.5#

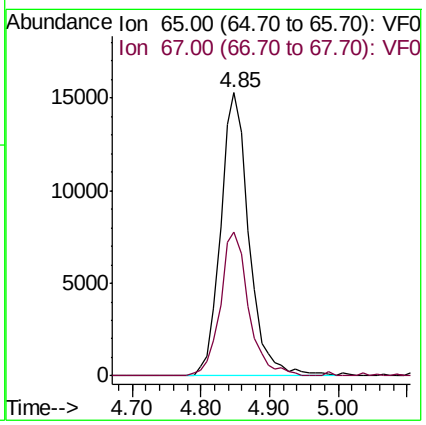


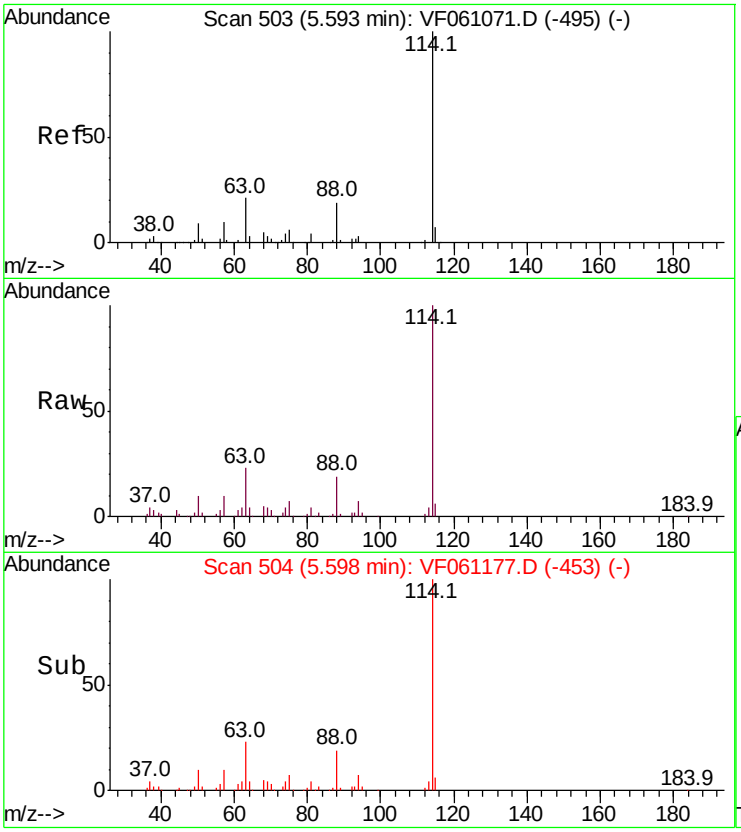


#33
1,2-Dichloroethane-d4
Concen: 43.725 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 65 Resp: 43482

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	94.6



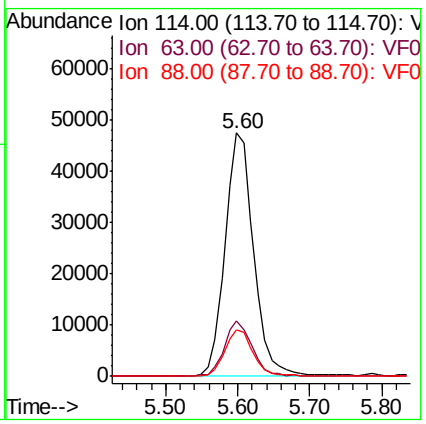


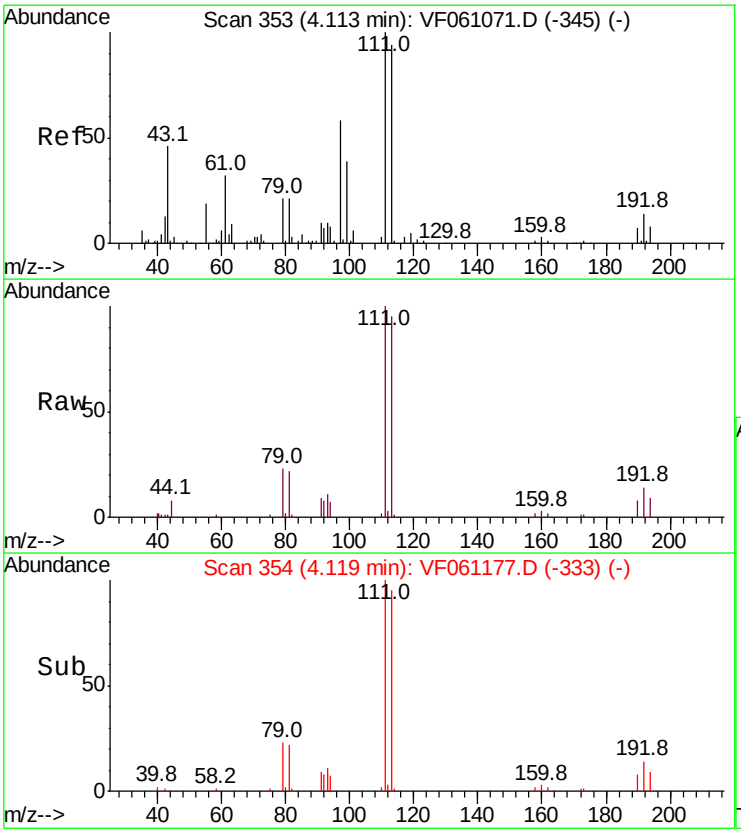
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 130935

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	41.6
88	18.9	0.0	38.0

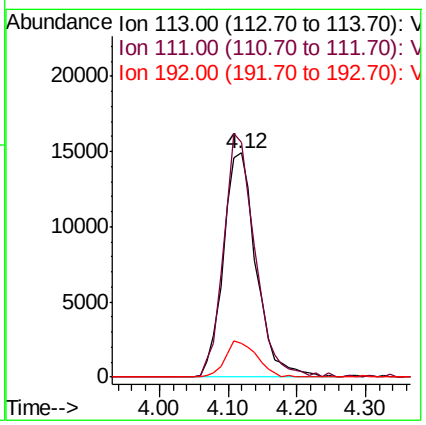


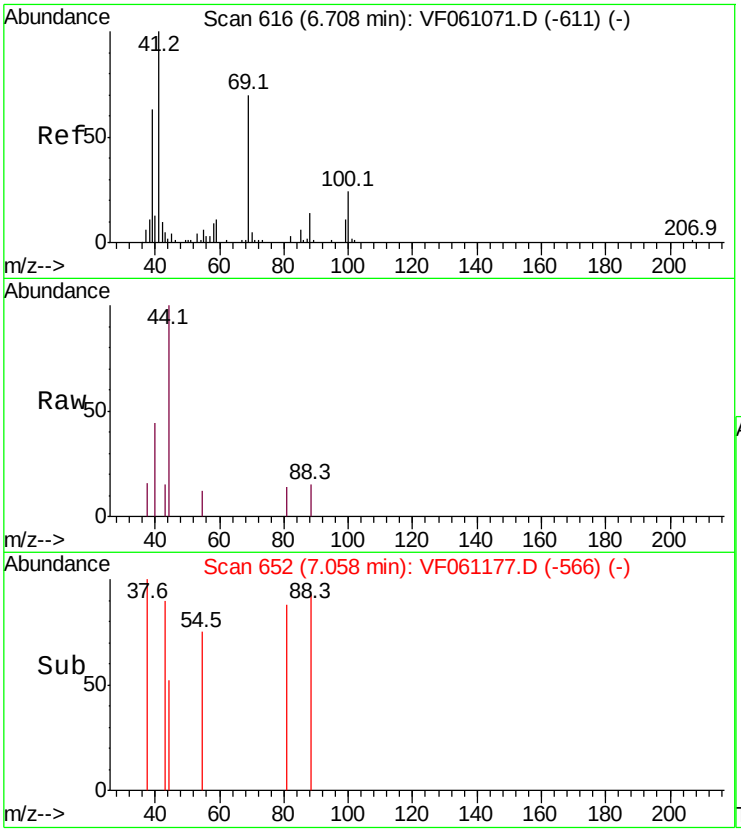


#35
Dibromofluoromethane
Concen: 46.889 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion:113 Resp: 49180

Ion	Ratio	Lower	Upper
113	100		
111	104.8	85.2	127.8
192	15.1	12.8	19.2



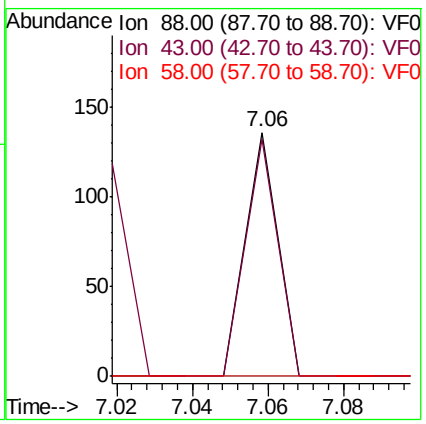


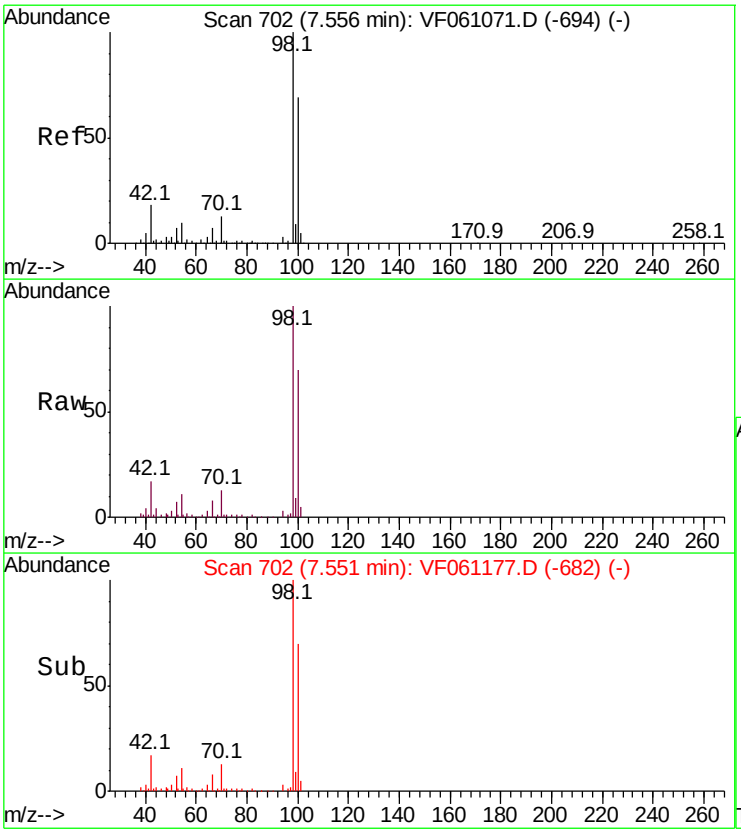
#49
1,4-Dioxane
Concen: 20.695 ug/l
RT: 7.06 min Scan# 652
Delta R.T. 0.35 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 80

Ion	Ratio	Lower	Upper
88	100		
43	97.1	33.3	49.9#
58	0.0	53.2	79.8#

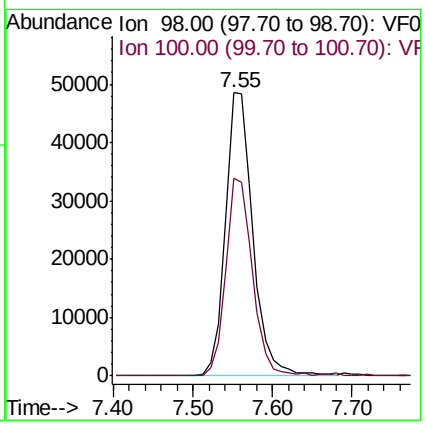


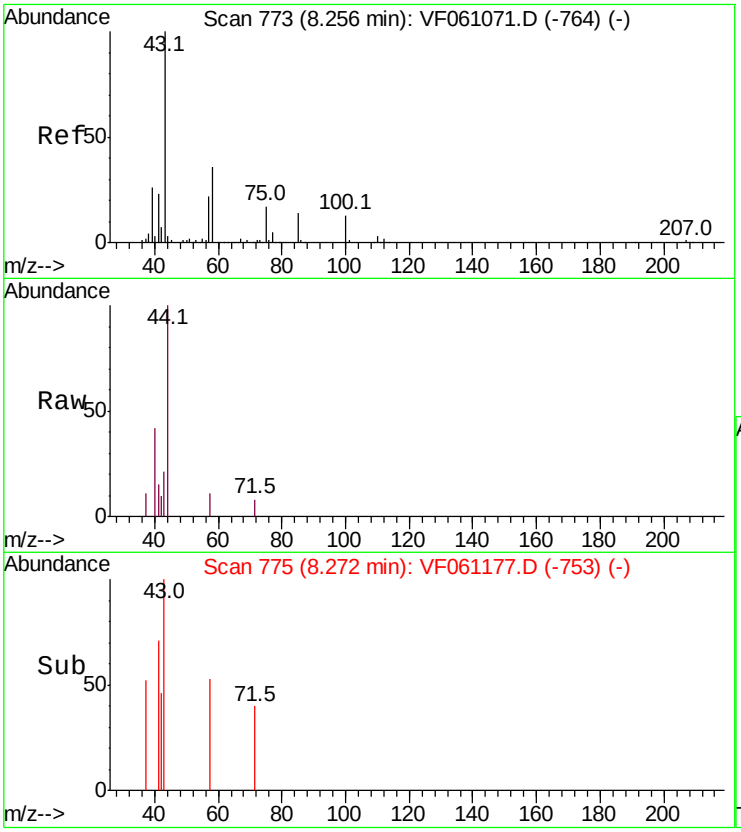


#50
Toluene-d8
Concen: 39.477 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 98 Resp: 117340

Ion	Ratio	Lower	Upper
98	100		
100	70.0	55.3	82.9



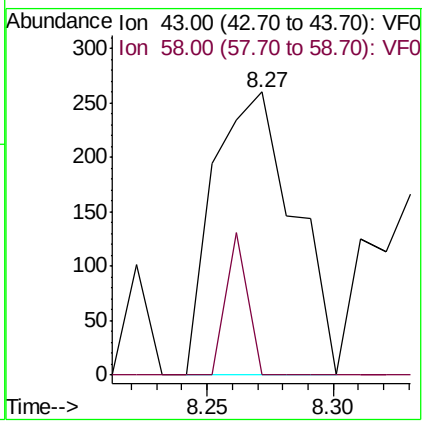


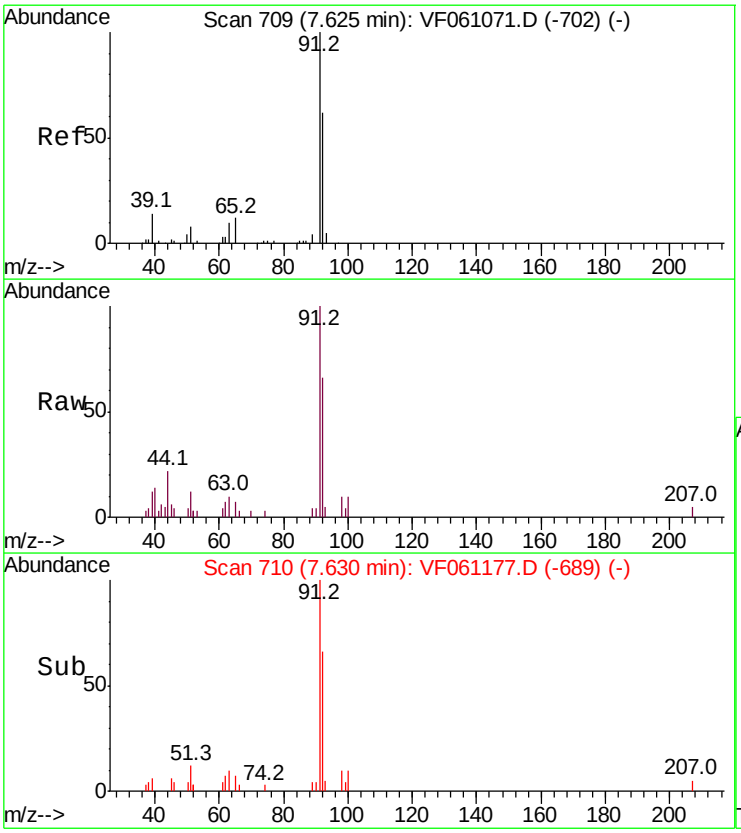
#51
4-Methyl-2-Pentanone
Concen: 1.106 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.02 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 579

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#

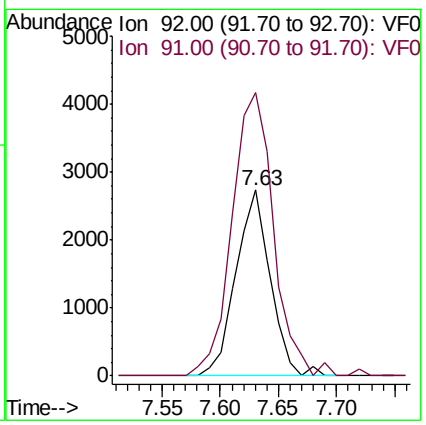


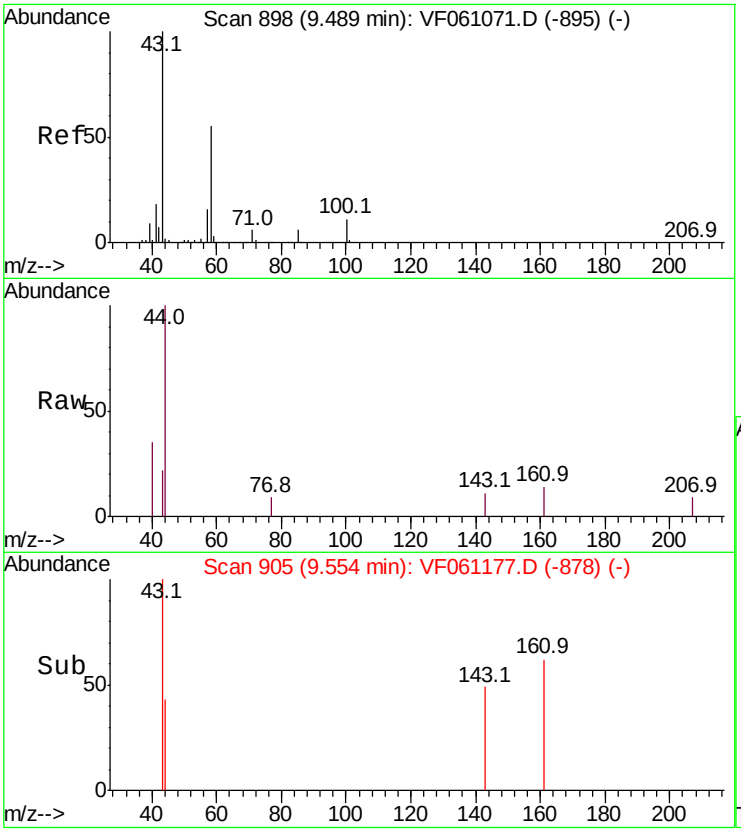


#52
Toluene
Concen: 2.489 ug/l
RT: 7.63 min Scan# 710
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 92 Resp: 5599

Ion	Ratio	Lower	Upper
92	100		
91	152.4	128.8	193.2



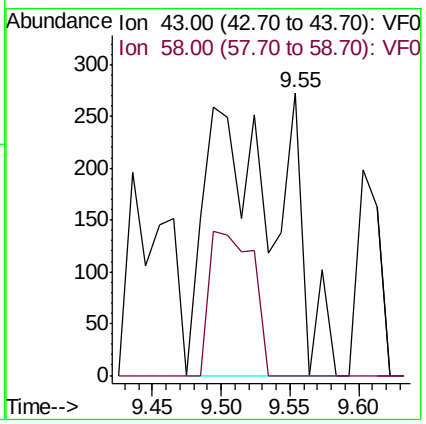


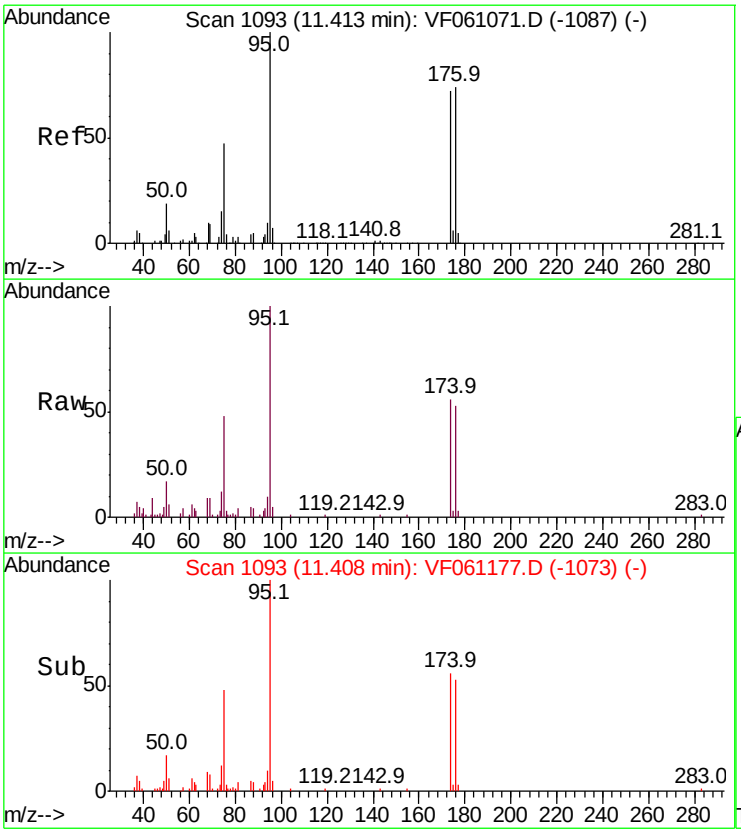
#59
2-Hexanone
Concen: 2.650 ug/l
RT: 9.55 min Scan# 905
Delta R.T. 0.06 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 1003

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.1	75.2#

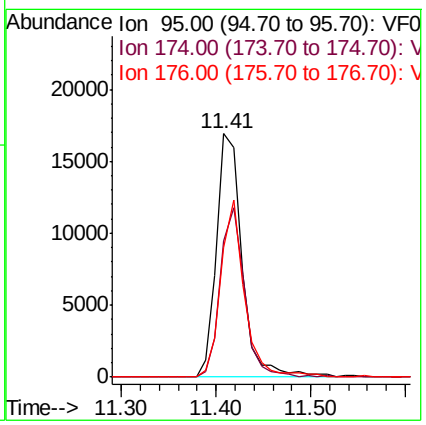


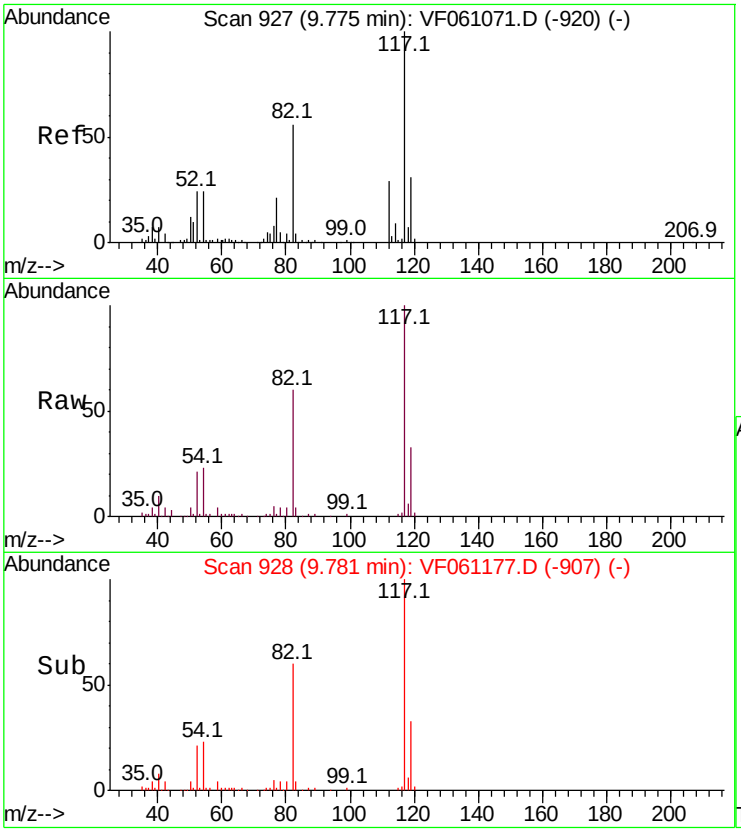


#62
4-Bromofluorobenzene
Concen: 23.126 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion: 95 Resp: 31689

Ion	Ratio	Lower	Upper
95	100		
174	55.7	0.0	143.8
176	53.2	0.0	147.6



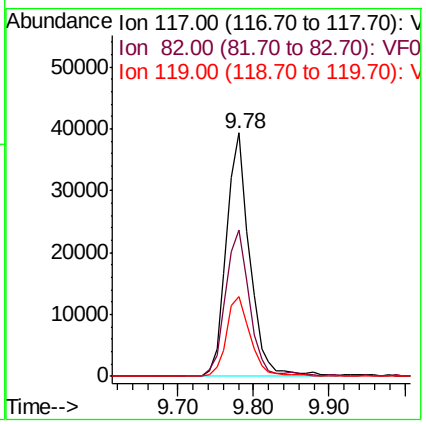


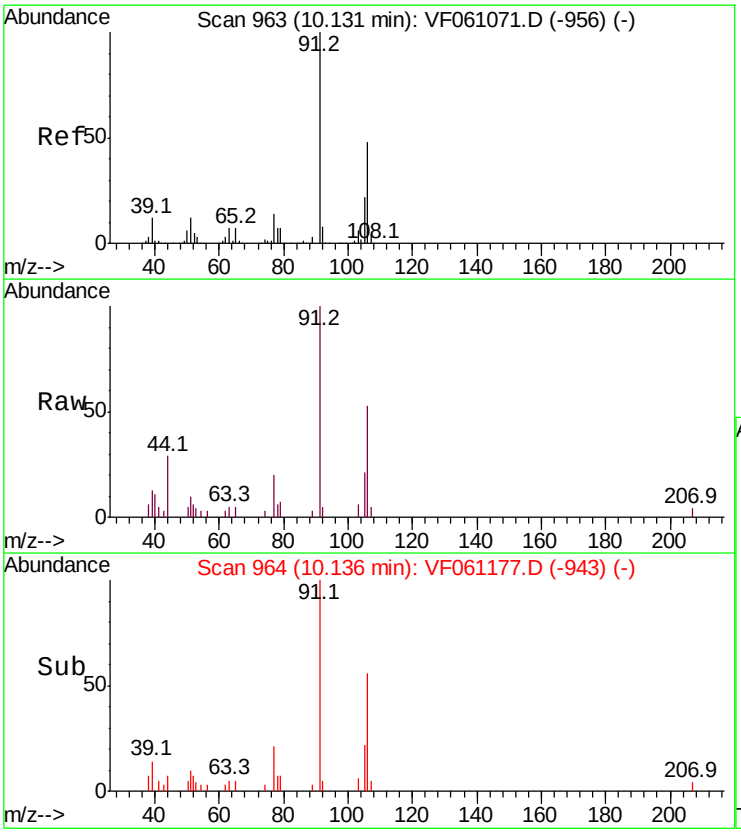
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 83753

Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.0	67.4
119	32.7	24.8	37.2

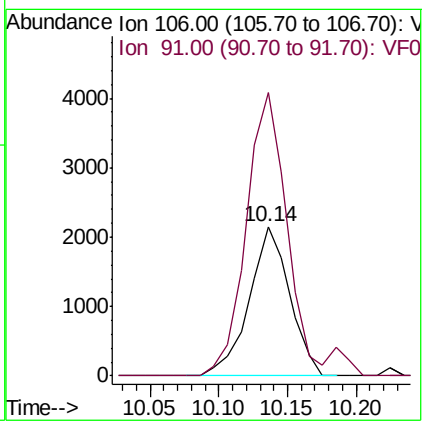


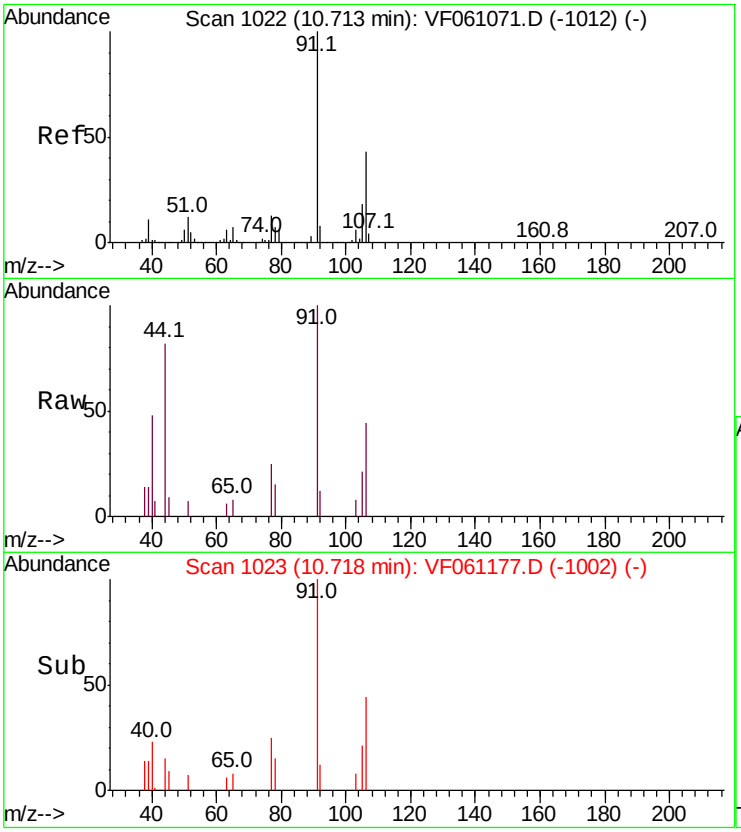


#68
m/p-Xylenes
Concen: 3.996 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion:106 Resp: 4433

Ion	Ratio	Lower	Upper
106	100		
91	189.5	168.2	252.2



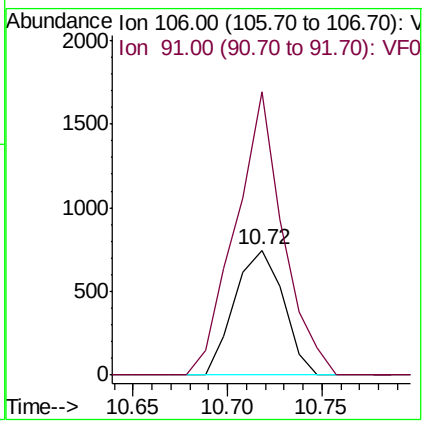


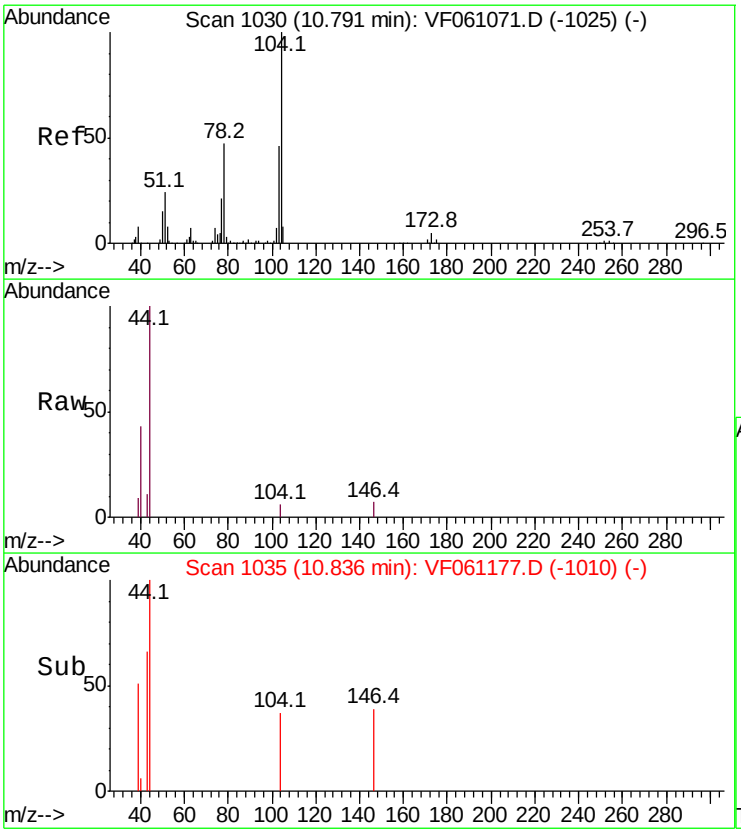
#69
o-Xylene
Concen: 1.085 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 1335

Ion	Ratio	Lower	Upper
106	100		
91	226.4	115.9	347.7

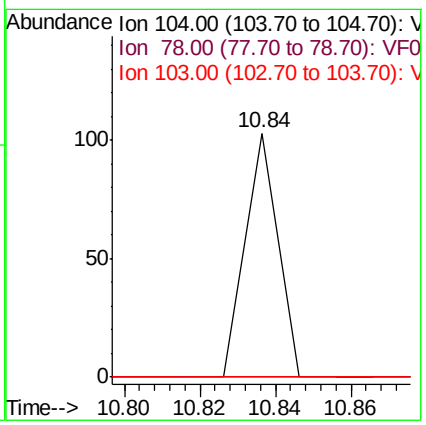


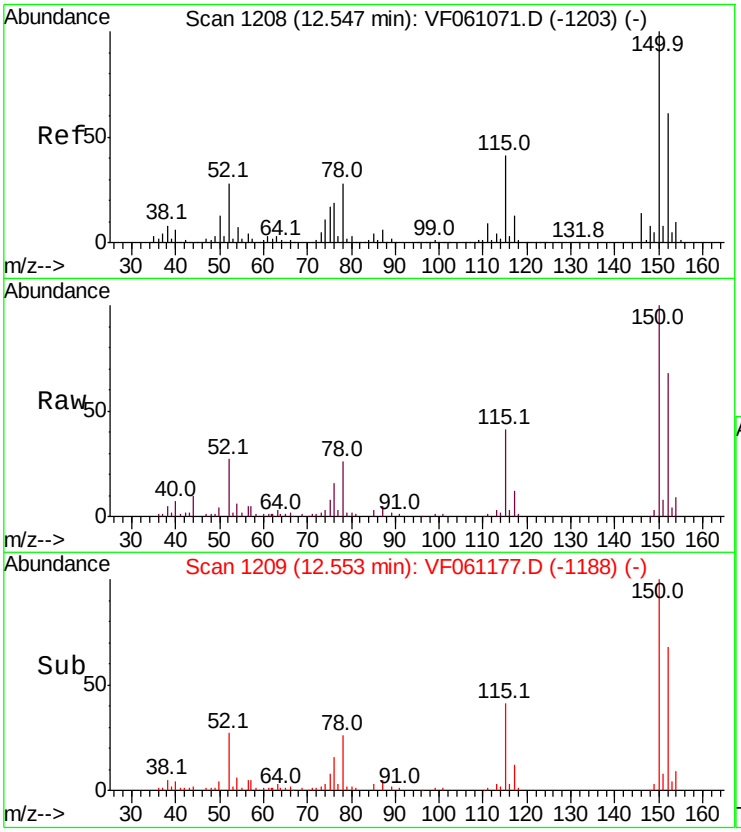


#70
Styrene
Concen: Below Cal
RT: 10.84 min Scan# 1035
Delta R.T. 0.05 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion:104 Resp: 61

Ion	Ratio	Lower	Upper
104	100		
78	0.0	38.4	57.6#
103	0.0	37.0	55.6#



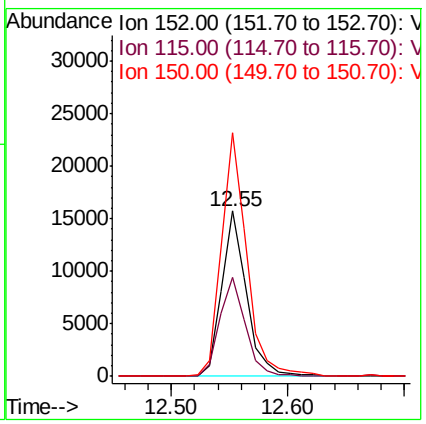


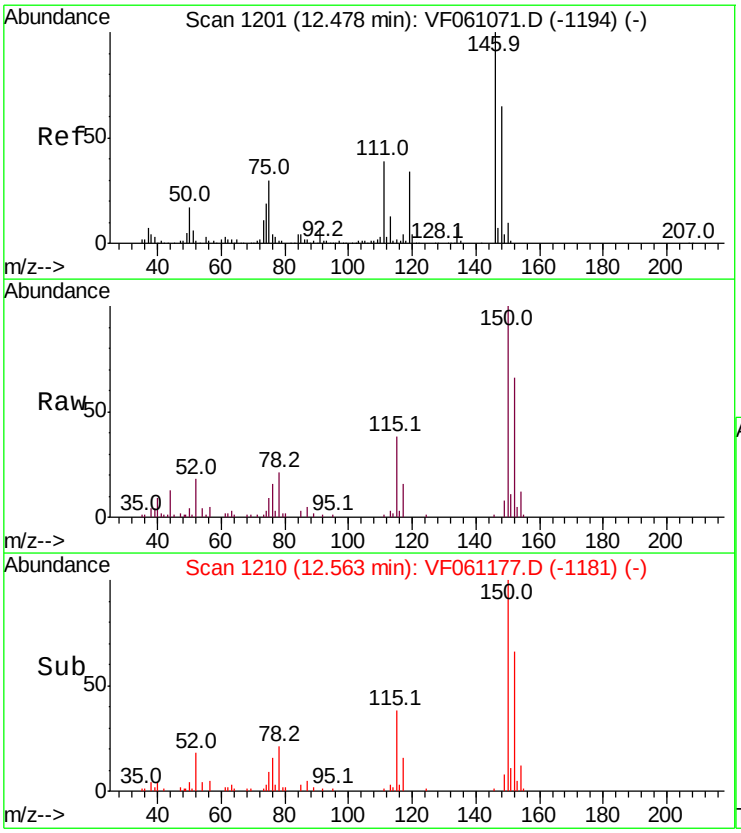
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 23031

Ion	Ratio	Lower	Upper
152	100		
115	59.7	33.3	99.9
150	147.2	0.0	328.2

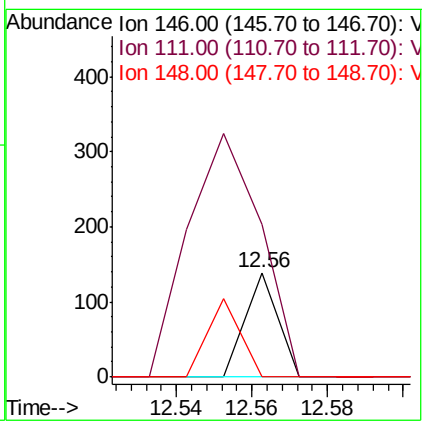


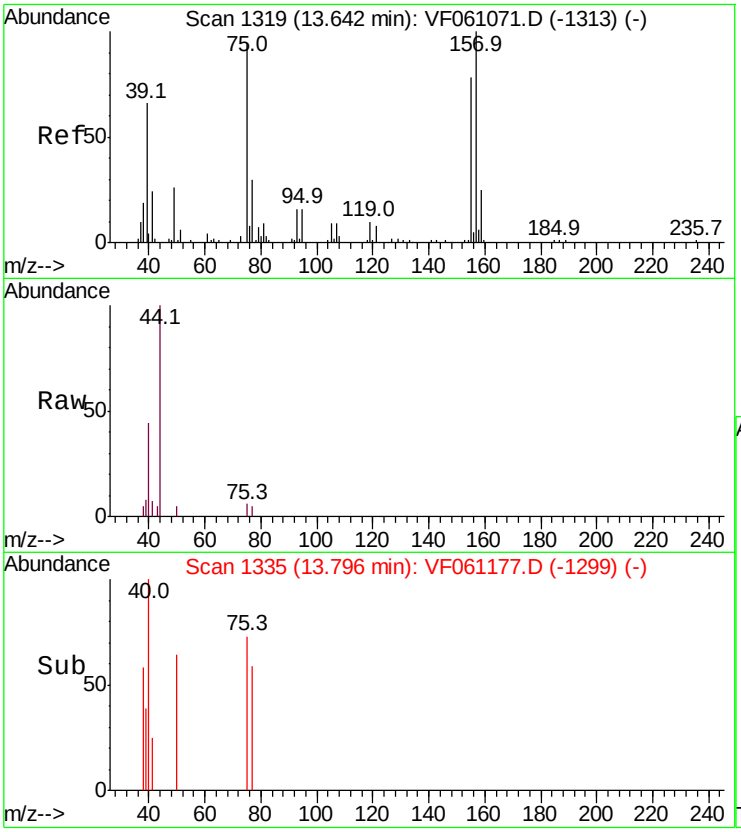


#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.56 min Scan# 1210
Delta R.T. 0.08 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Tgt Ion:146 Resp: 82

Ion	Ratio	Lower	Upper
146	100		
111	146.0	19.3	57.9#
148	0.0	32.4	97.2#





#92
1,2-Dibromo-3-Chloropropane
Concen: 1.224 ug/l
RT: 13.80 min Scan# 1335
Delta R.T. 0.15 min
Lab File: VF061177.D
Acq: 24 Dec 2018 20:58

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 74

Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.5	124.5#
157	0.0	53.2	159.6#