Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061046.D
Acq On : 17 Dec 2018 17:56
Operator : VA/AP
Sample : J6353-05RE
Misc : 5.20g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Dec 18 03:09:17 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	139553	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	242304	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	181388	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	75403	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	80778	49.14	ug/l	-0.02
Spiked Amount 50.000			Recovery = 98.28%			
35) Dibromofluoromethane	4.14	113	87274	45.40	ug/l	-0.01
Spiked Amount 50.000			Recovery = 90.80%			
50) Toluene-d8	7.57	98	234167	41.35	ug/l	-0.02
Spiked Amount 50.000			Recovery = 82.70%			
62) 4-Bromofluorobenzene	11.43	95	86046	33.44	ug/l	-0.01
Spiked Amount 50.000			Recovery = 66.88%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.58	59	645	9.571	ug/l #	1
13) Acrolein	1.99	56	865	13.547	ug/l #	1
15) Acrylonitrile	2.94	53	754	4.991	ug/l #	34
16) Acetone	2.25	43	7001	23.093	ug/l	94
18) Methyl Acetate	2.38	43	2834	4.055	ug/l #	61
20) Methylene Chloride	2.25	84	2537	2.281	ug/l #	68
25) 2-Butanone	4.37	43	1580	3.013	ug/l #	57
29) Tetrahydrofuran	4.08	42	679	3.055	ug/l #	63
37) Ethyl Acetate	4.16	43	1810	1.657	ug/l #	13
41) Methacrylonitrile	4.78	41	275	Below Cal	#	23
43) Isopropyl Acetate	6.98	43	761	Below Cal	#	49
48) Methyl methacrylate	6.83	41	3236	3.273	ug/l #	28
51) 4-Methyl-2-Pentanone	8.30	43	3198	3.175	ug/l #	66
59) 2-Hexanone	9.52	43	2184	3.091	ug/l	86
67) Ethyl Benzene	9.92	91	9250	1.408	ug/l #	88
68) m/p-Xylenes	10.15	106	7901	3.344	ug/l	82
69) o-Xylene	10.73	106	5295	2.032	ug/l	84
70) Styrene	10.80	104	5234	1.449	ug/l #	86
79) 2-Chlorotoluene	11.72	91	5038	1.259	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.83	105	18840	3.895	ug/l	88
84) 1,2,4-Trimethylbenzene	12.22	105	16854	3.491	ug/l	94
86) p-Isopropyltoluene	12.47	119	7635	1.350	ug/l	95

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

Quantitation Report (Not Reviewed)

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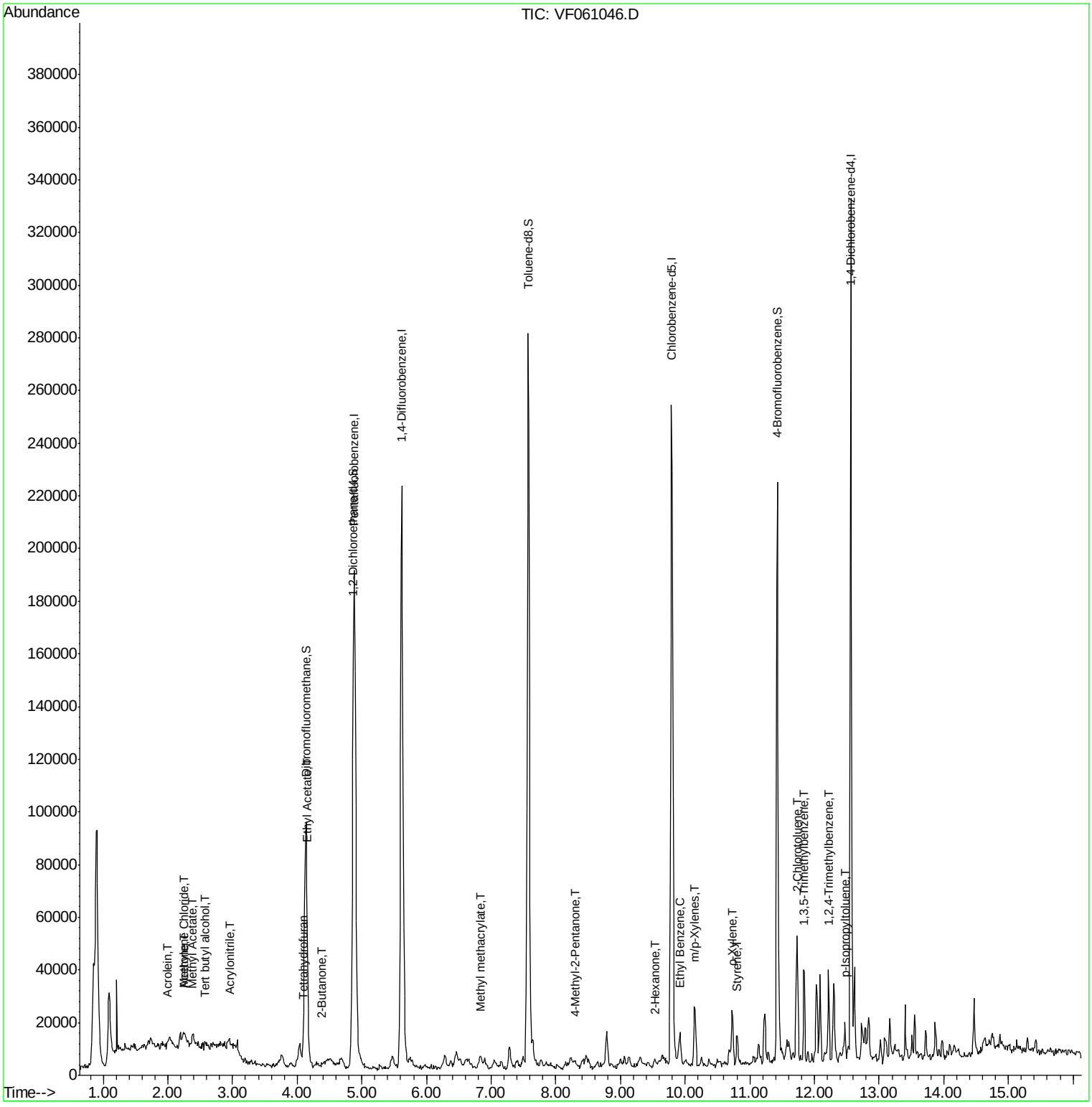
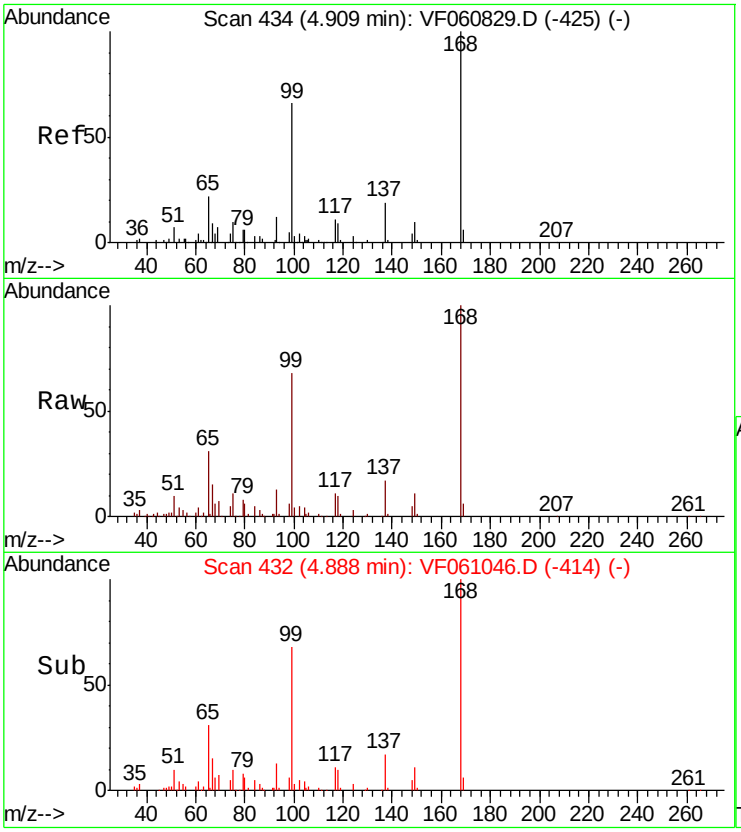
Acq On : 17 Dec 2018 17:56
Operator : VA/AP
Sample : J6353-05RE
Misc : 5.20g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 18 03:09:17 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



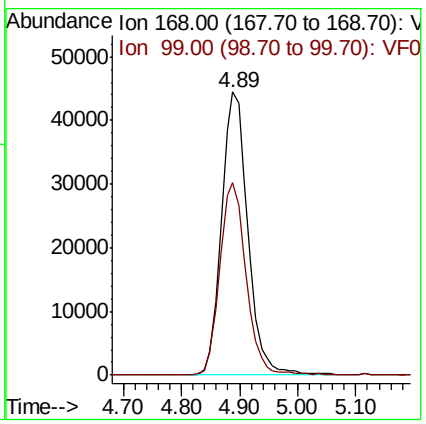


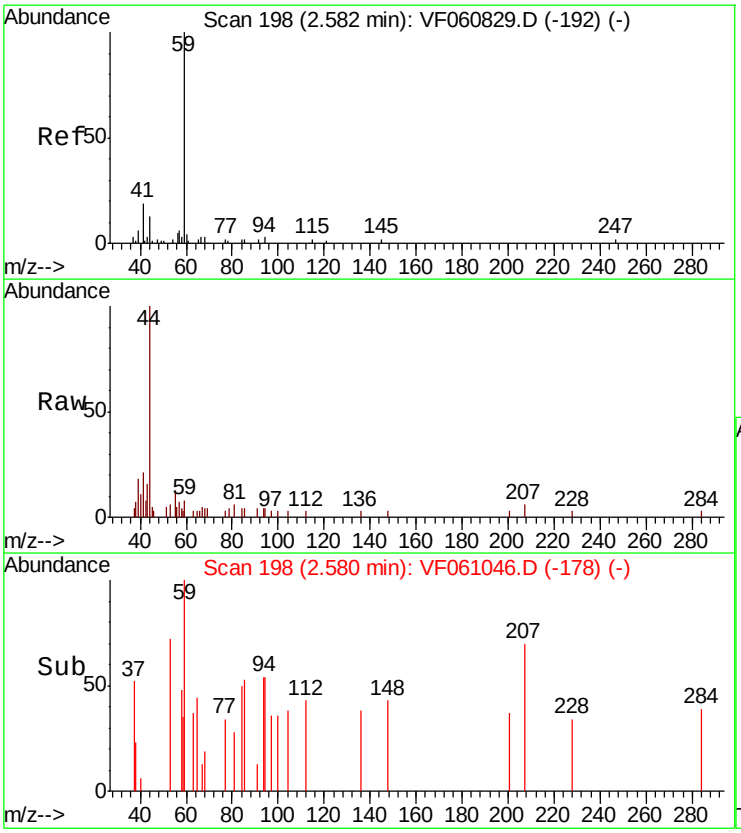
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 139553

Ion	Ratio	Lower	Upper
168	100		
99	68.1	52.6	79.0

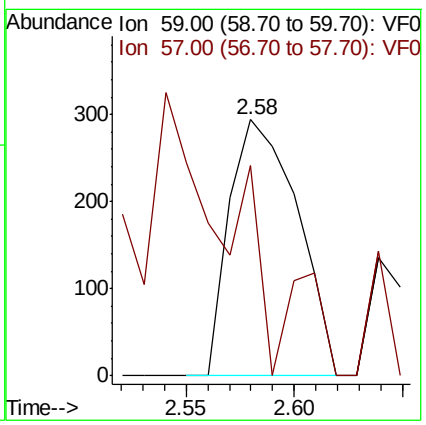


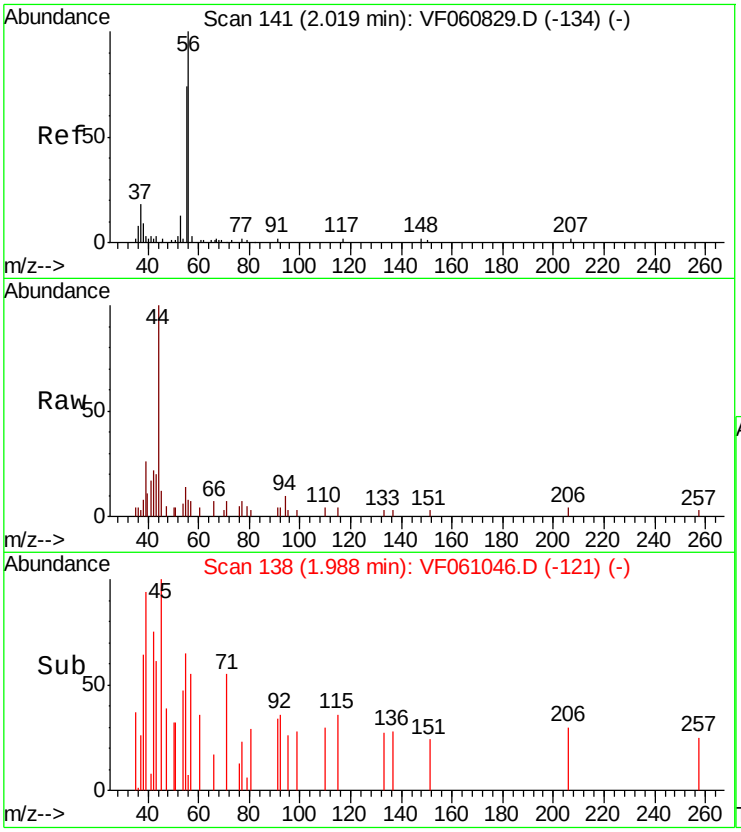


#11
Tert butyl alcohol
Concen: 9.571 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 59 Resp: 645

Ion	Ratio	Lower	Upper
59	100		
57	82.0	12.7	19.1#



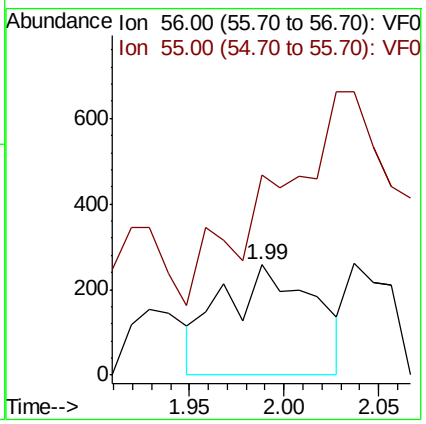


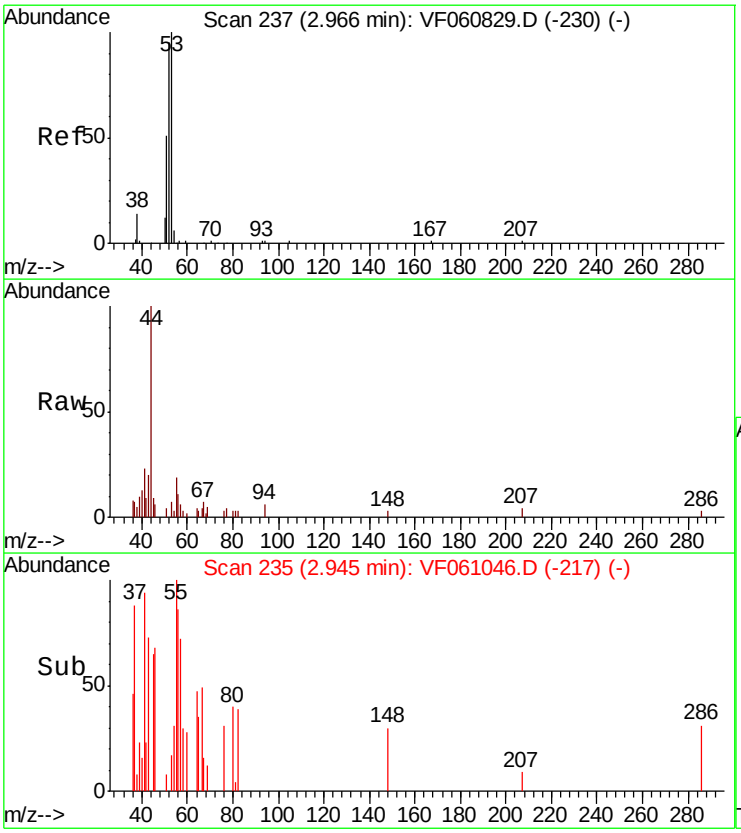
#13
Acrolein
Concen: 13.547 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 865

Ion	Ratio	Lower	Upper
56	100		
55	181.8	61.2	91.8#

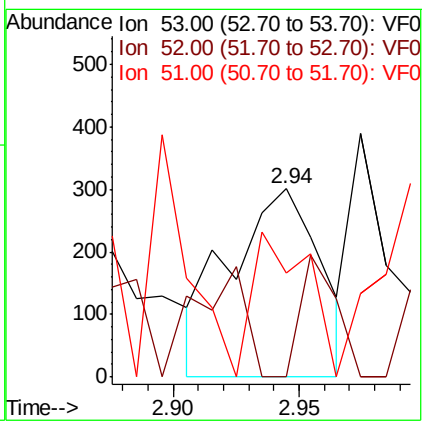


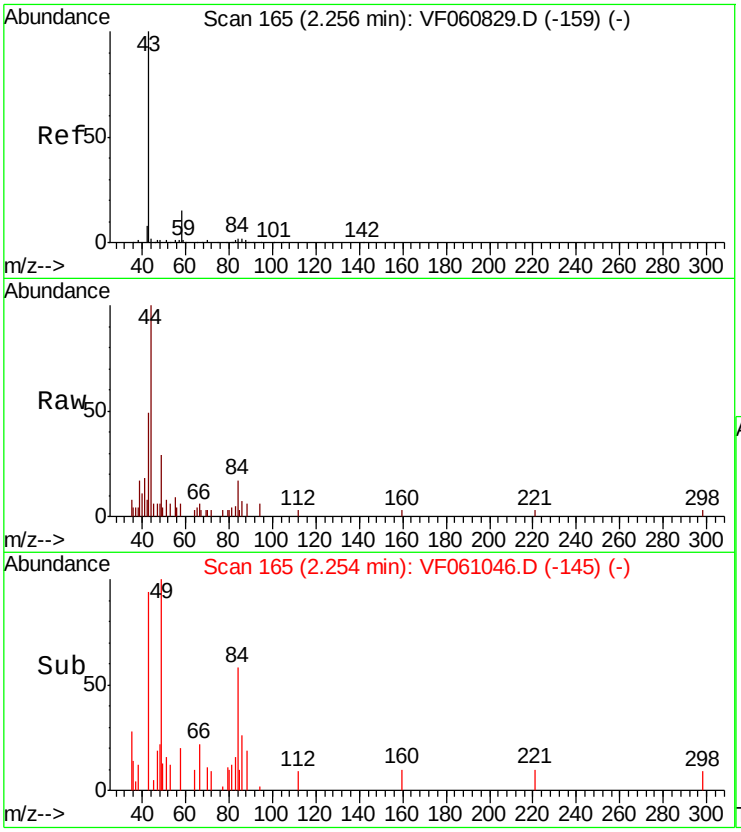


#15
Acrylonitrile
Concen: 4.991 ug/l
RT: 2.94 min Scan# 235
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 53 Resp: 754

Ion	Ratio	Lower	Upper
53	100		
52	0.0	76.5	114.7#
51	55.1	40.7	61.1



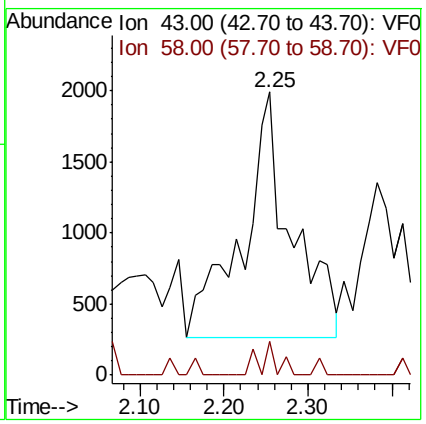


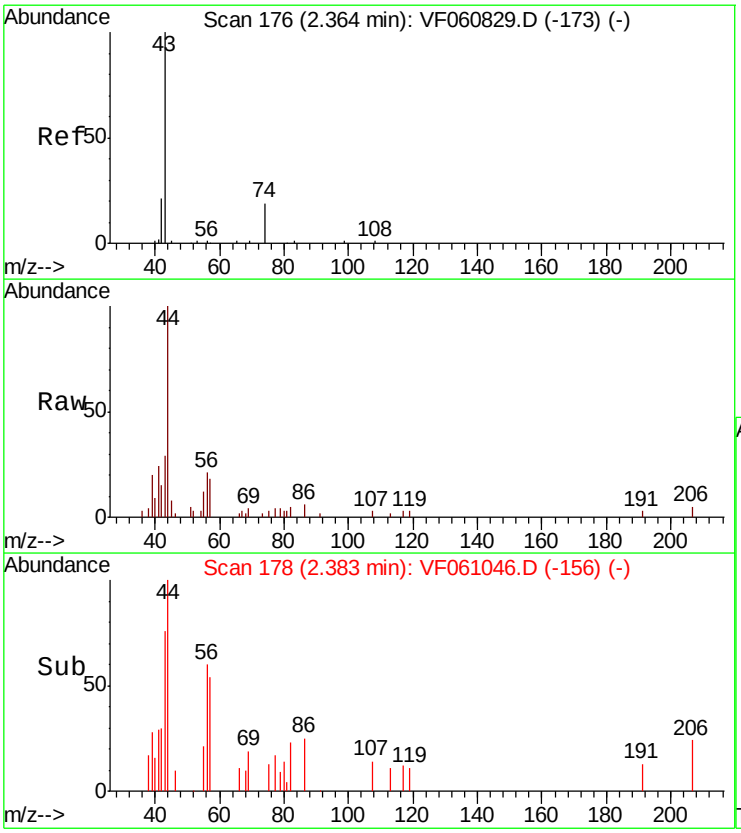
#16
Acetone
Concen: 23.093 ug/l
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 7001

Ion	Ratio	Lower	Upper
43	100		
58	11.8	11.4	17.2

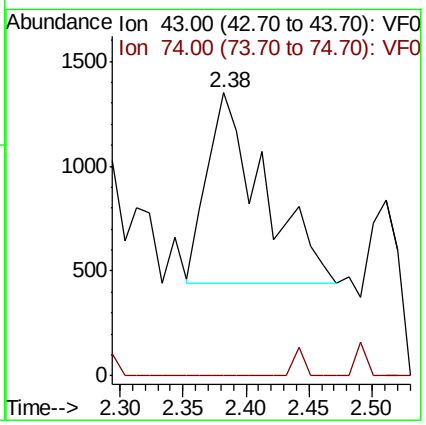


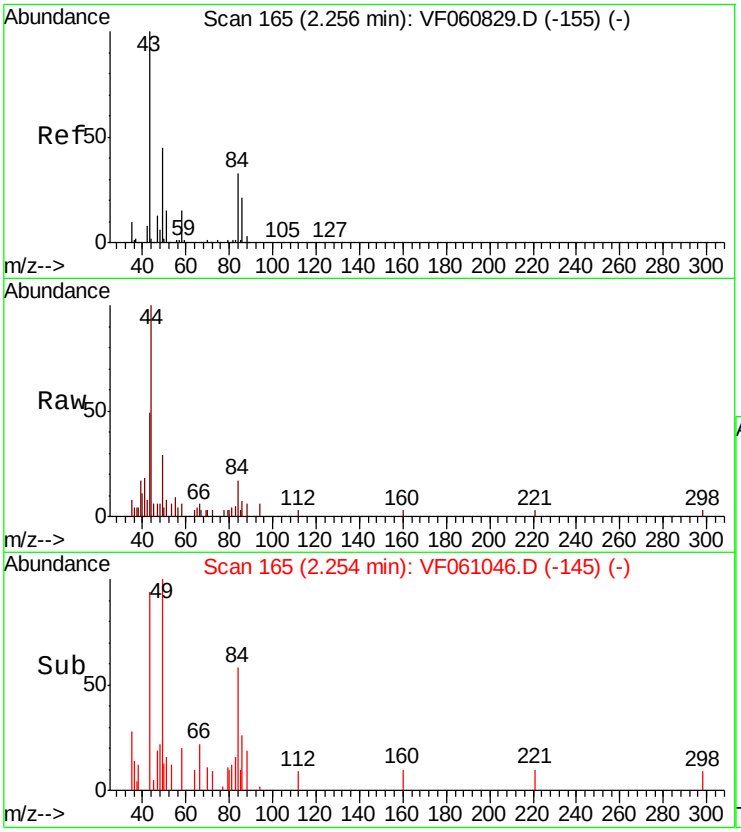


#18
Methyl Acetate
Concen: 4.055 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 43 Resp: 2834

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.3	19.9#



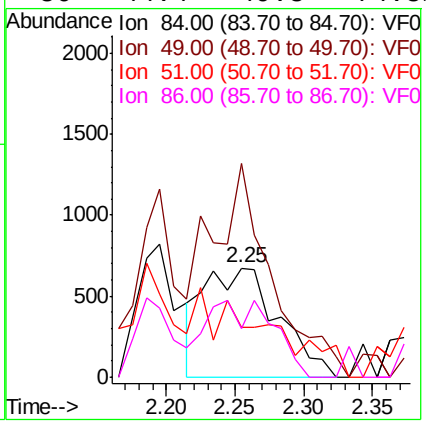


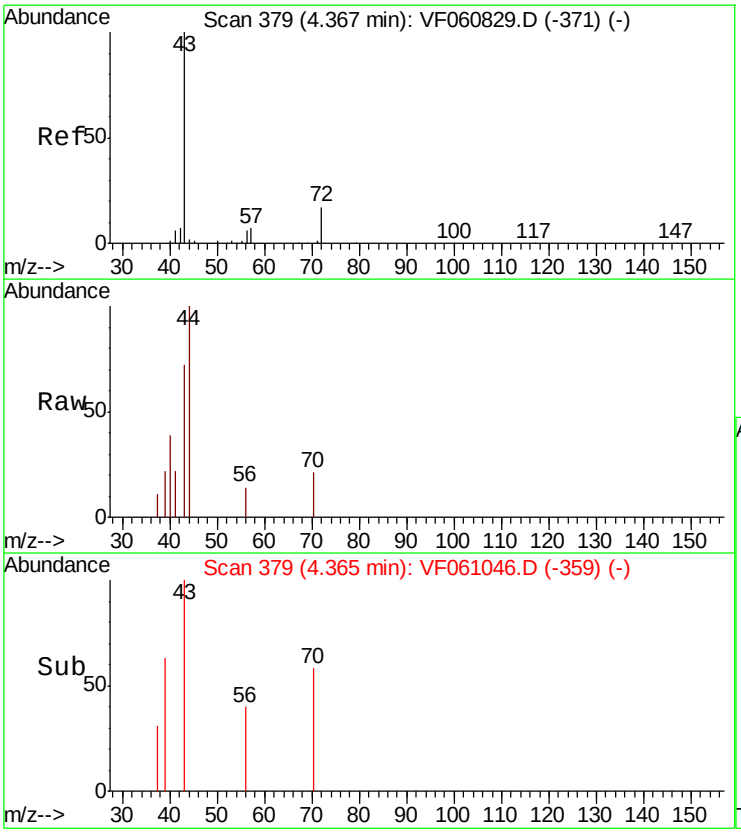
#20
Methylene Chloride
Concen: 2.281 ug/l
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 2537

Ion	Ratio	Lower	Upper
84	100		
49	195.4	111.3	166.9#
51	45.5	38.0	57.0
86	44.4	49.8	74.8#

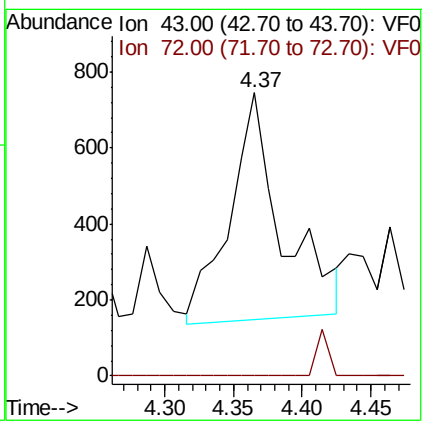


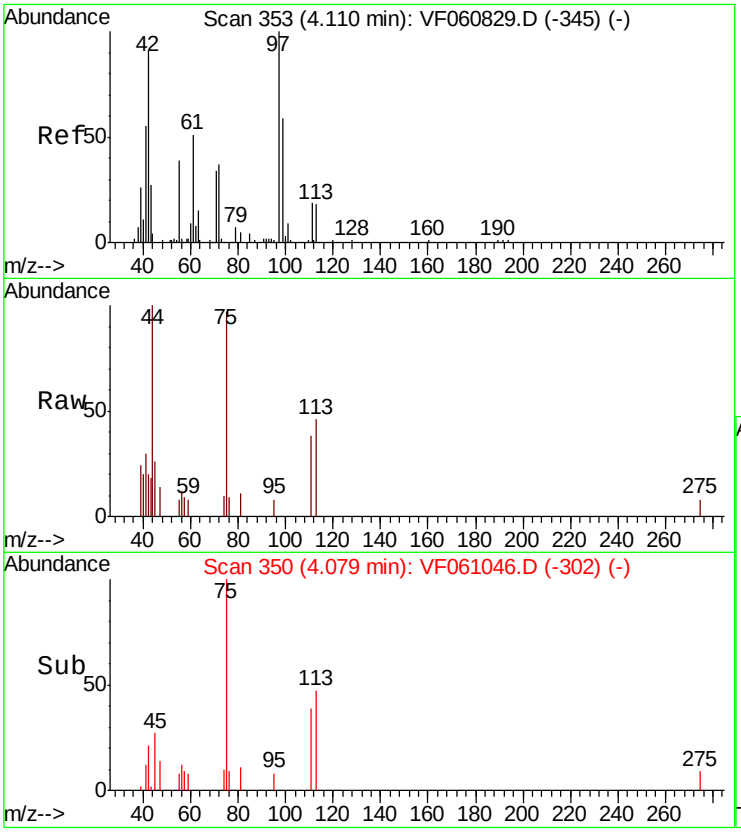


#25
2-Butanone
Concen: 3.013 ug/l
RT: 4.37 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 43 Resp: 1580

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.4	23.2#



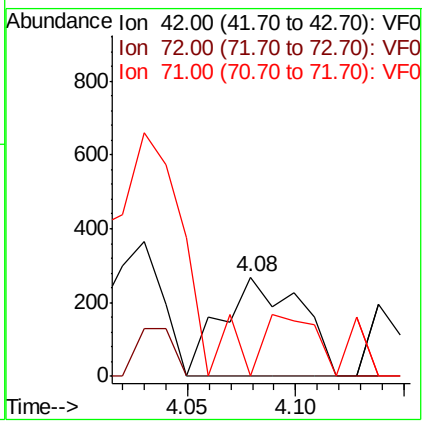


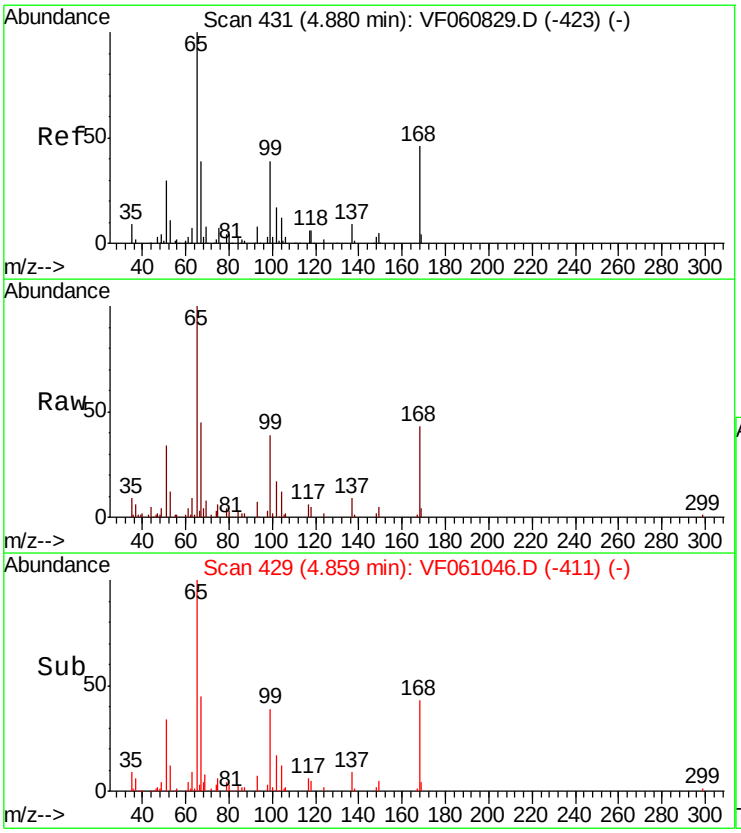
#29
Tetrahydrofuran
Concen: 3.055 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 679

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	39.6	28.7	43.1

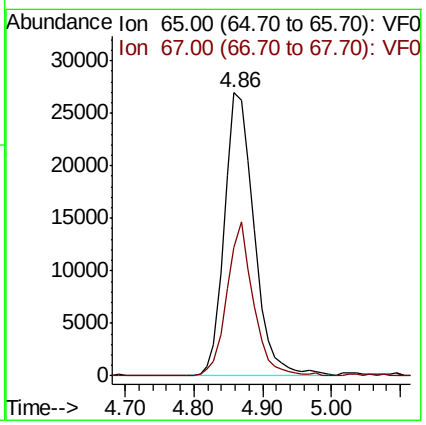


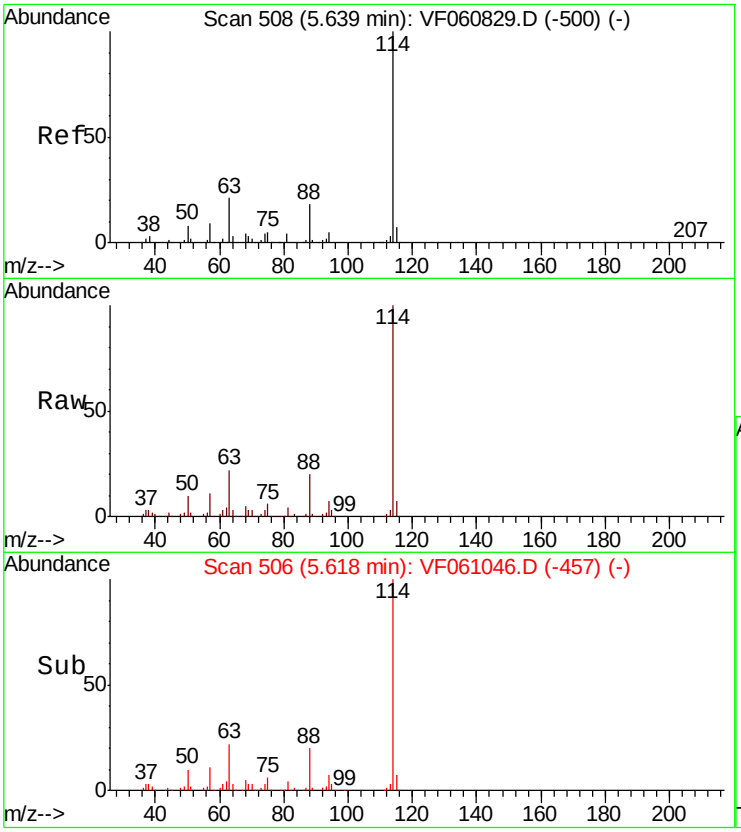


#33
1,2-Dichloroethane-d4
Concen: 49.136 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 65 Resp: 80778

Ion	Ratio	Lower	Upper
65	100		
67	45.4	0.0	96.4



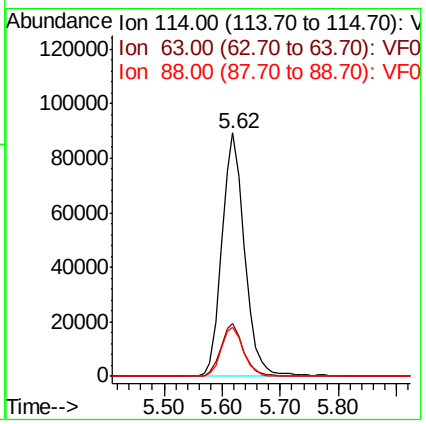


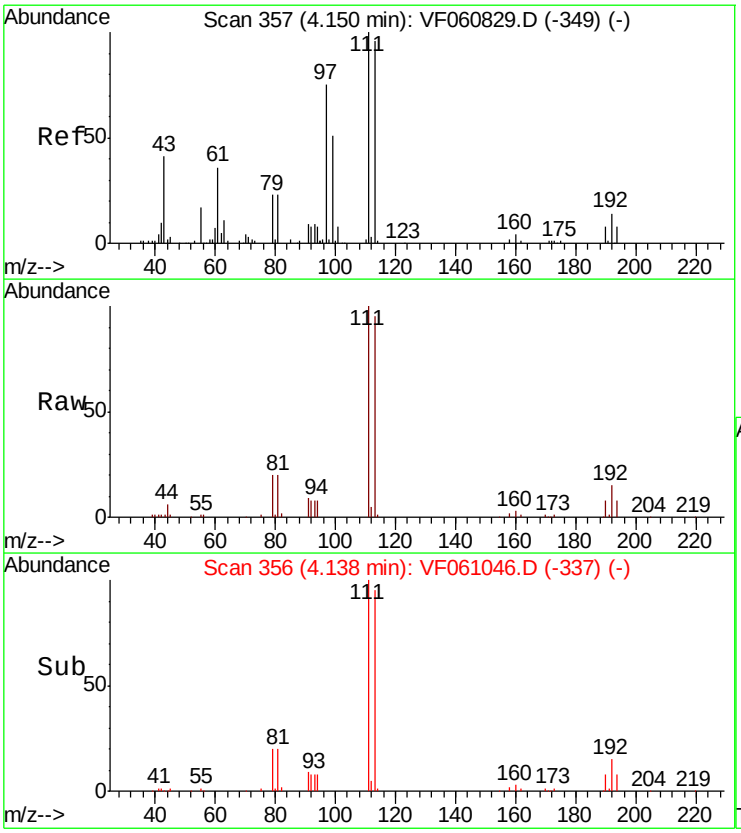
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 242304

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.6
88	20.2	0.0	36.6

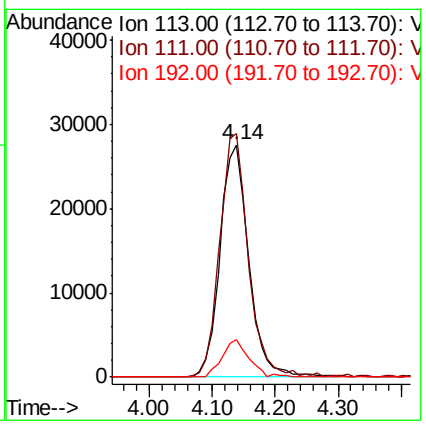


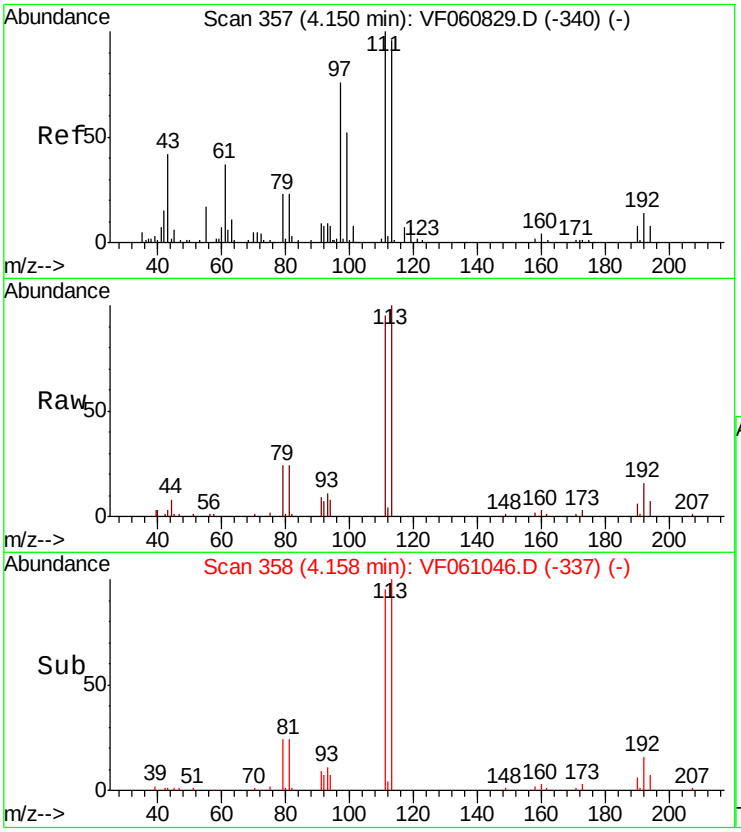


#35
Dibromofluoromethane
Concen: 45.402 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion:113 Resp: 87274

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.0	124.6
192	15.9	12.3	18.5



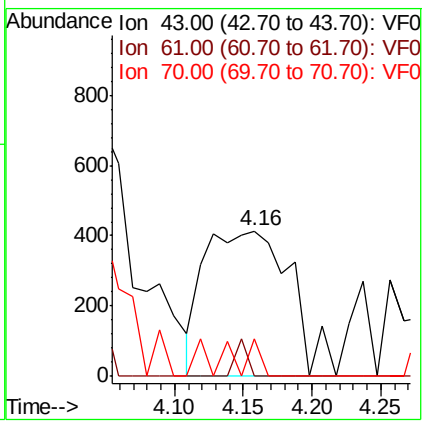


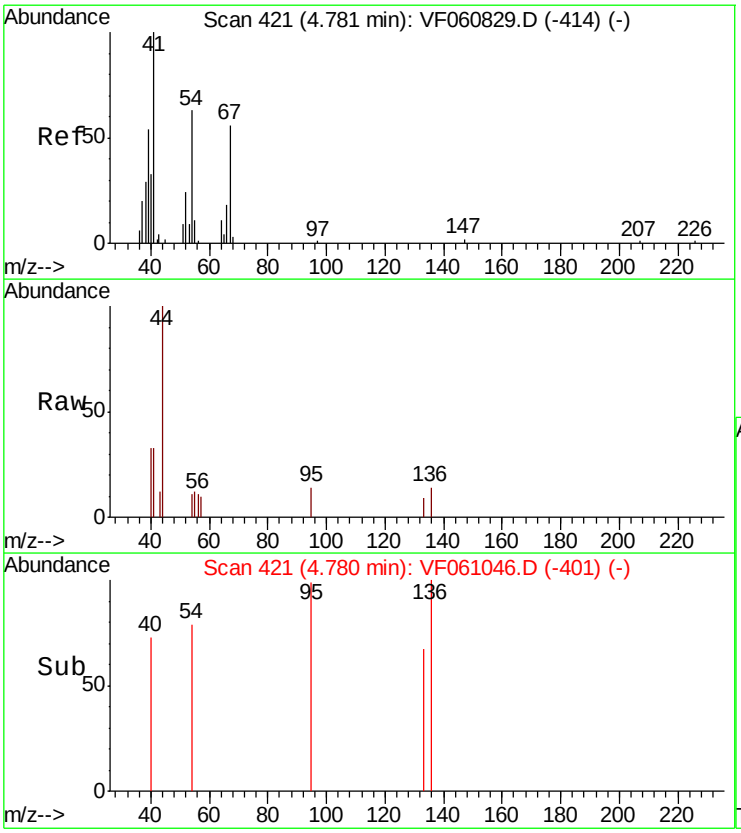
#37
Ethyl Acetate
Concen: 1.657 ug/l
RT: 4.16 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 1810

Ion	Ratio	Lower	Upper
43	100		
61	0.0	68.6	103.0#
70	25.7	9.0	13.4#

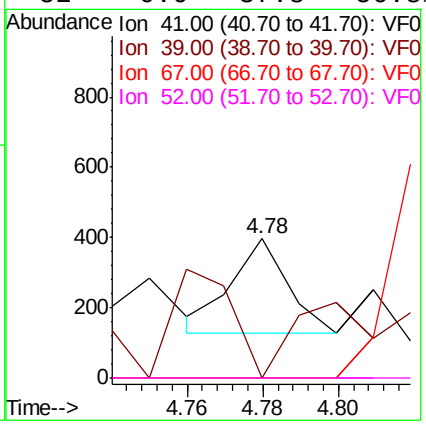


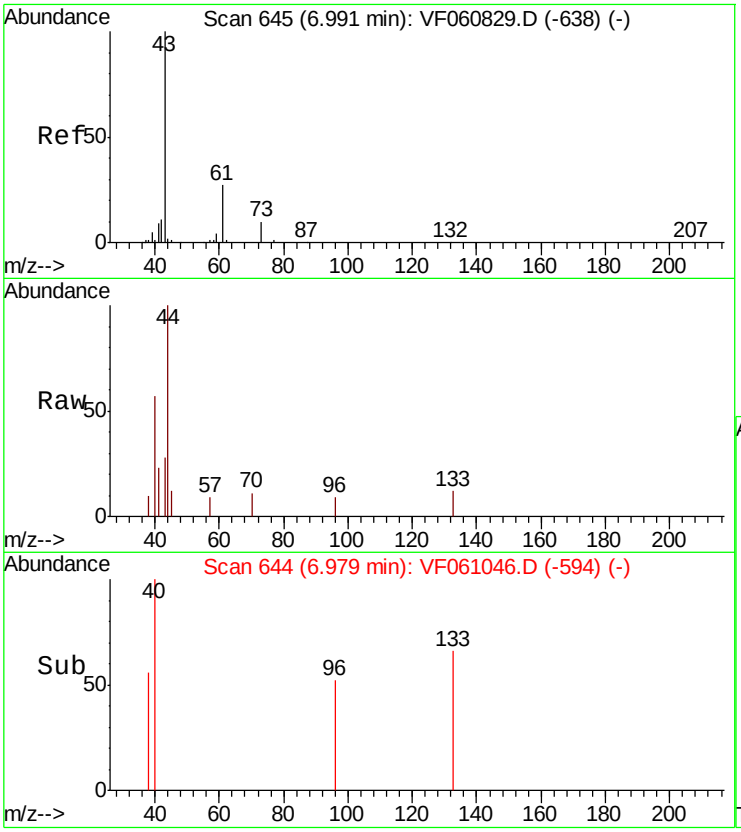


#41
Methacrylonitrile
Concen: Below Cal
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 41 Resp: 275

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#



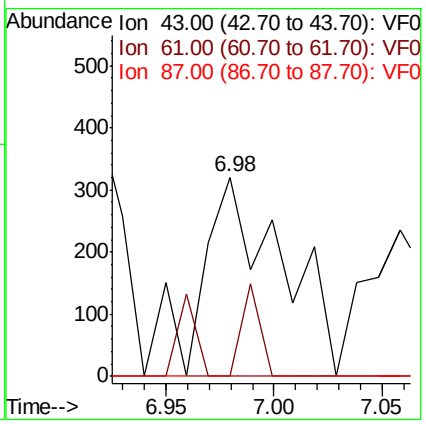


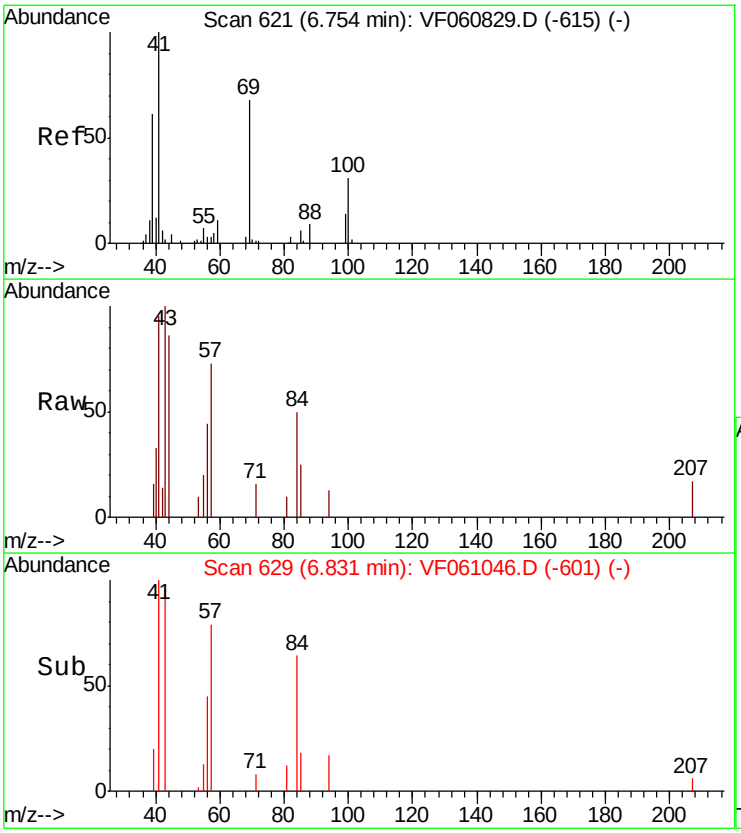
#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.98 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 761

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

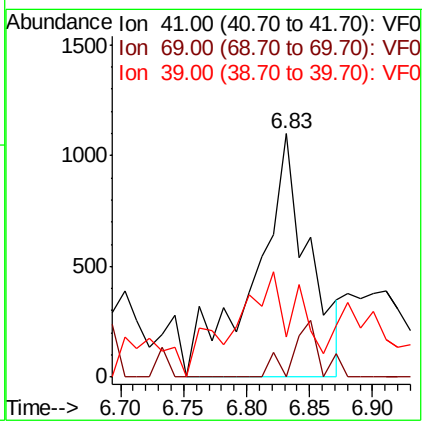


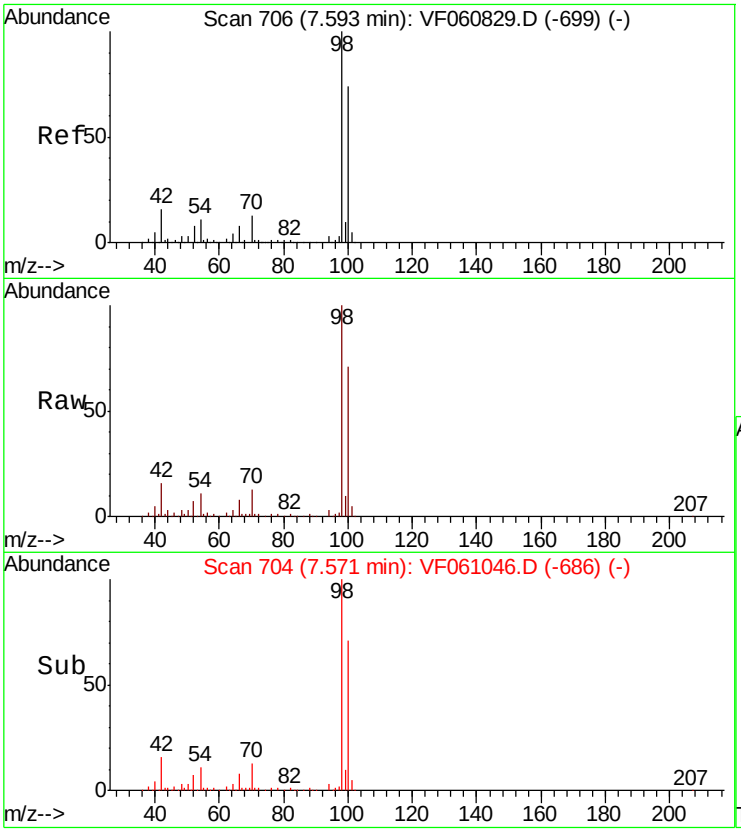


#48
Methyl methacrylate
Concen: 3.273 ug/l
RT: 6.83 min Scan# 629
Delta R.T. 0.08 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 41 Resp: 3236

Ion	Ratio	Lower	Upper
41	100		
69	0.0	53.9	80.9#
39	16.6	49.0	73.6#



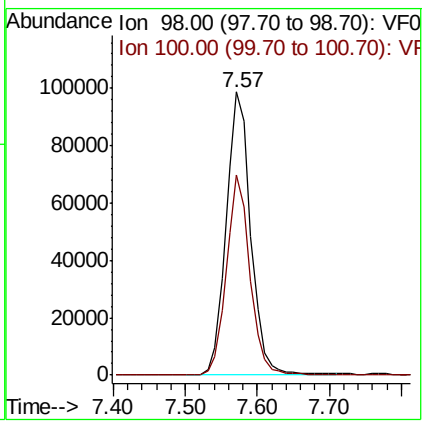


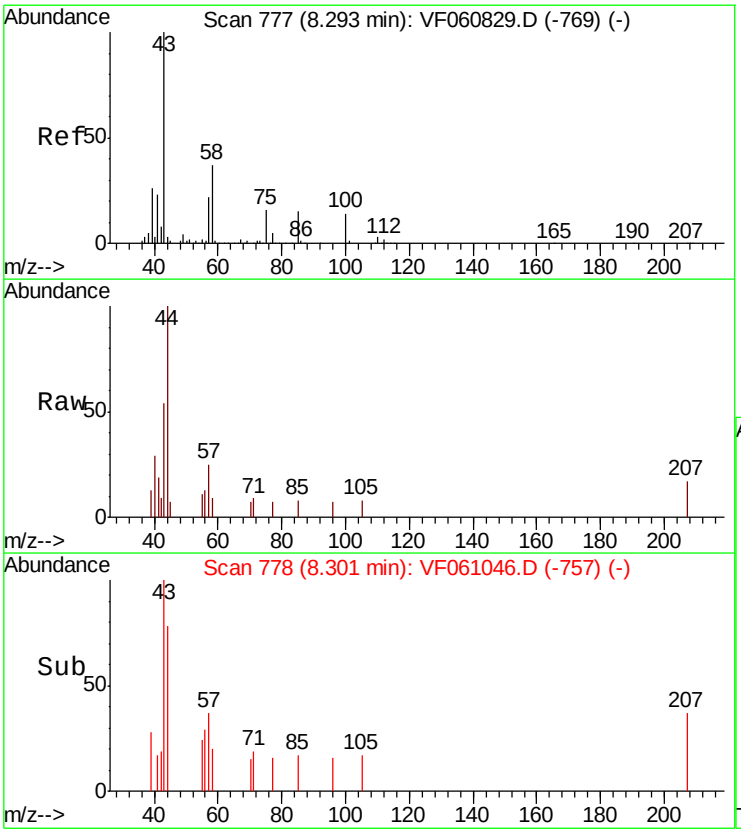
#50
Toluene-d8
Concen: 41.355 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 234167

Ion	Ratio	Lower	Upper
98	100		
100	70.9	59.3	88.9

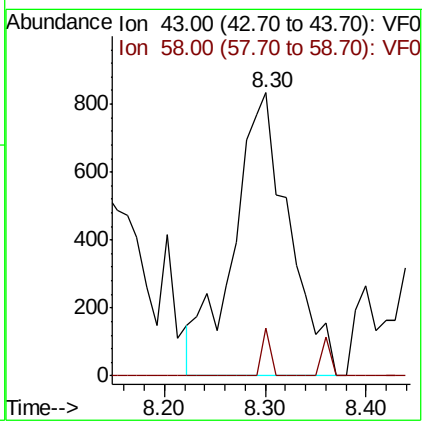


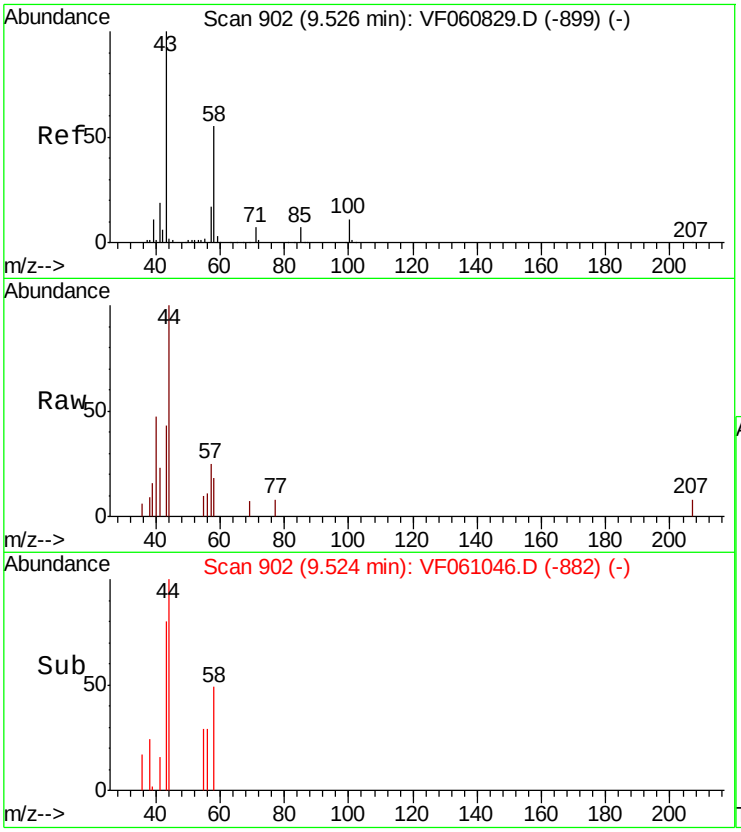


#51
4-Methyl-2-Pentanone
Concen: 3.175 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 43 Resp: 3198

Ion	Ratio	Lower	Upper
43	100		
58	17.0	29.7	44.5#



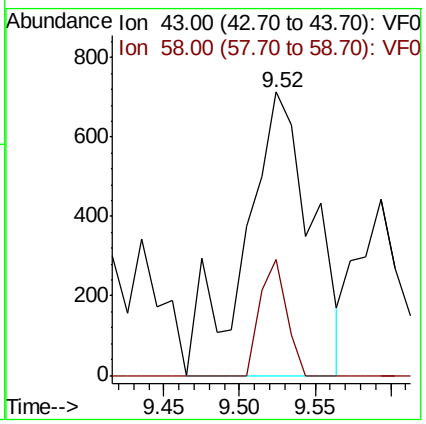


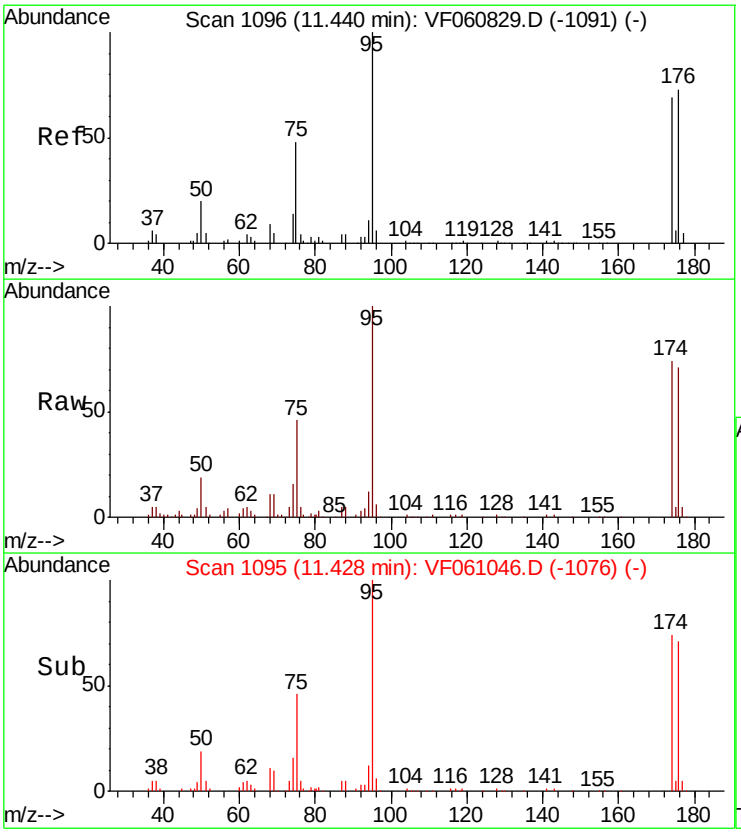
#59
2-Hexanone
Concen: 3.091 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2184

Ion	Ratio	Lower	Upper
43	100		
58	41.1	25.6	76.6

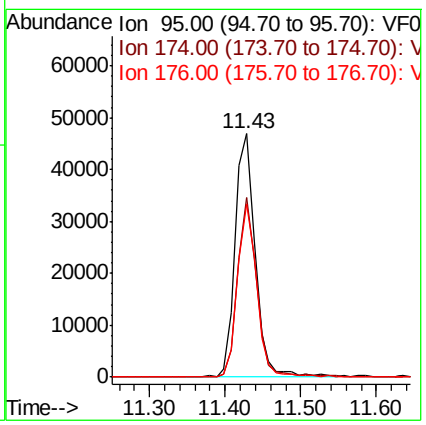


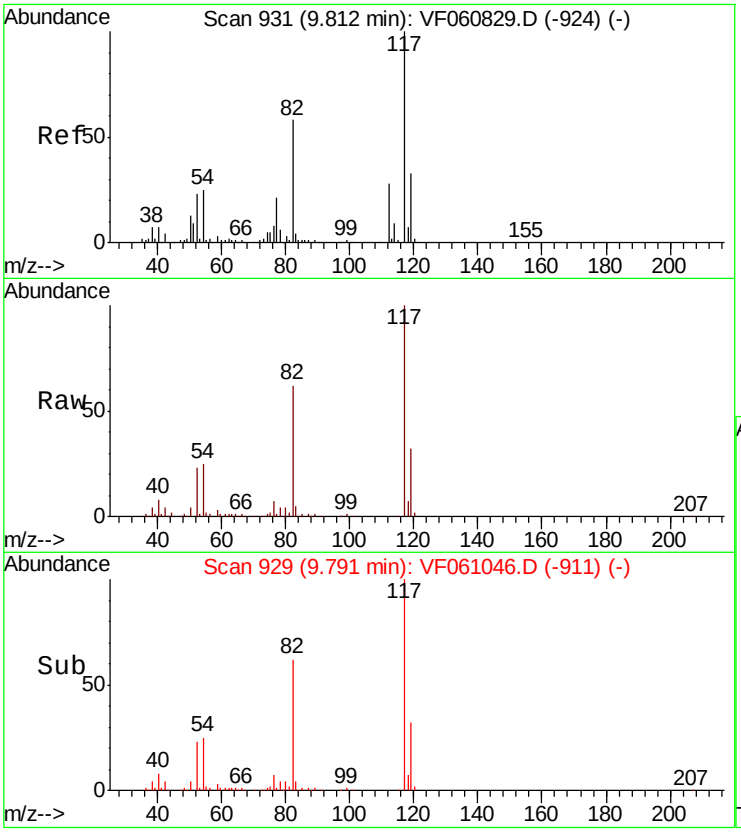


#62
4-Bromofluorobenzene
Concen: 33.436 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 95 Resp: 86046

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	138.2
176	71.4	0.0	146.2



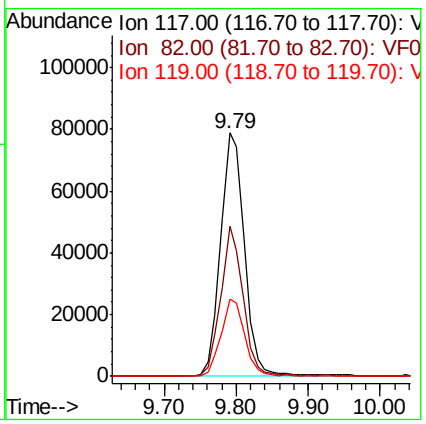


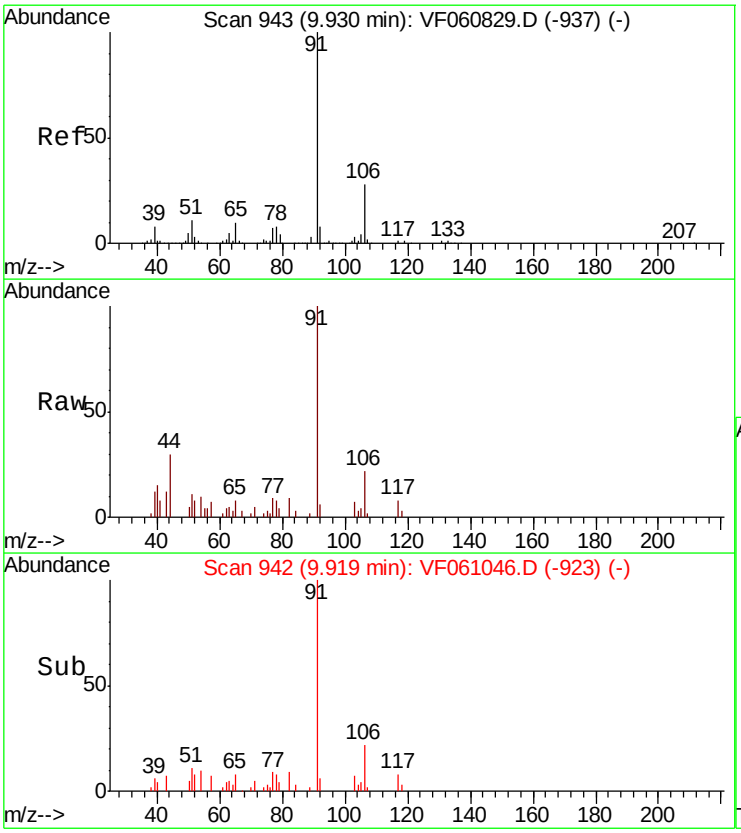
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 181388

Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.6	69.8
119	31.6	26.4	39.6

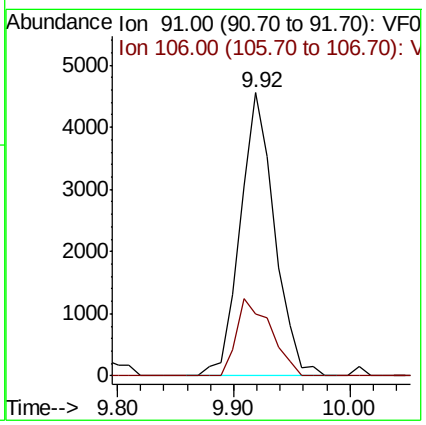


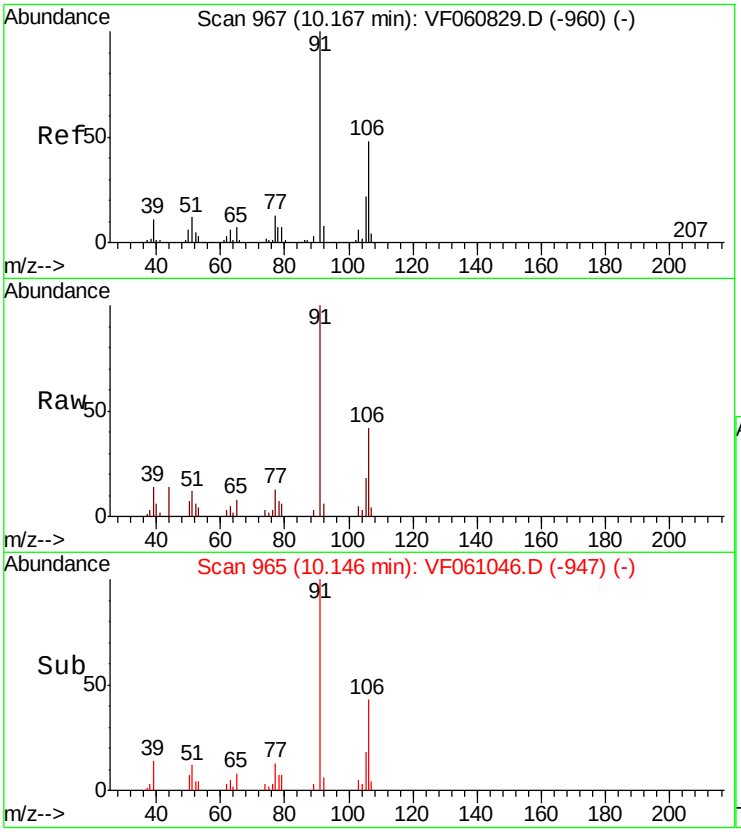


#67
Ethyl Benzene
Concen: 1.408 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion: 91 Resp: 9250

Ion	Ratio	Lower	Upper
91	100		
106	21.7	22.2	33.2#



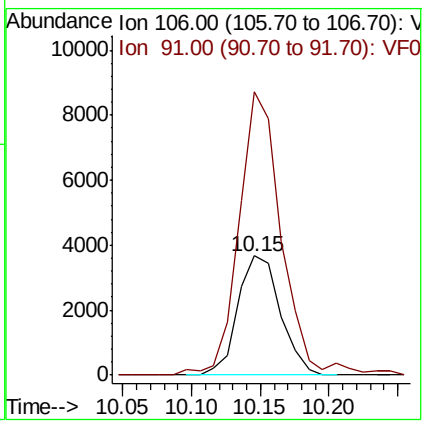


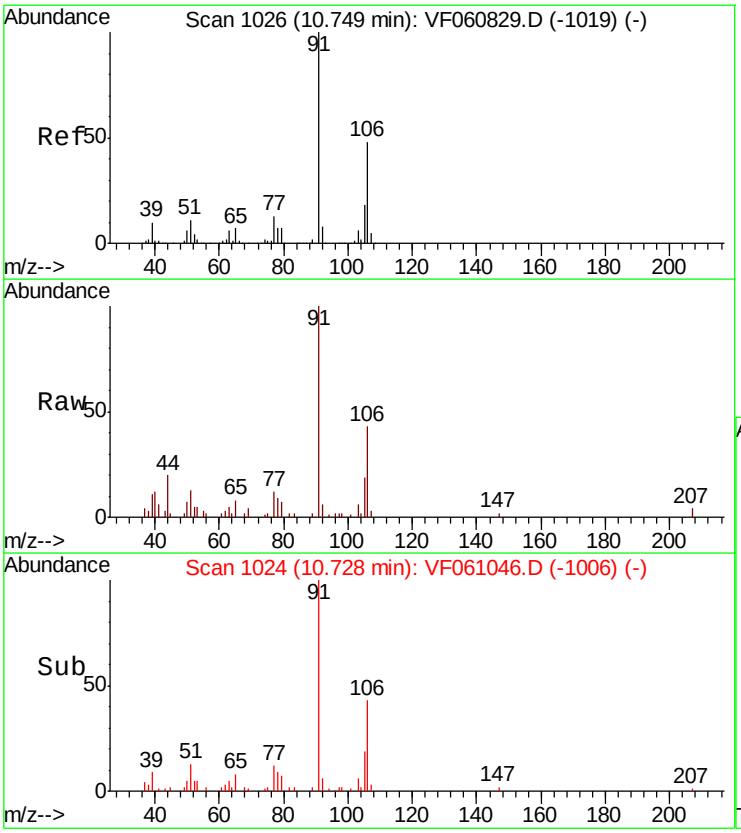
#68
m/p-Xylenes
Concen: 3.344 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 7901

Ion	Ratio	Lower	Upper
106	100		
91	236.9	166.7	250.1

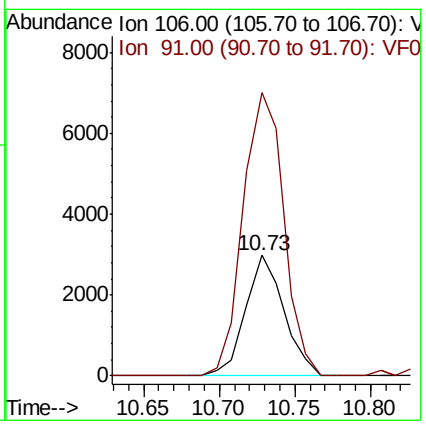


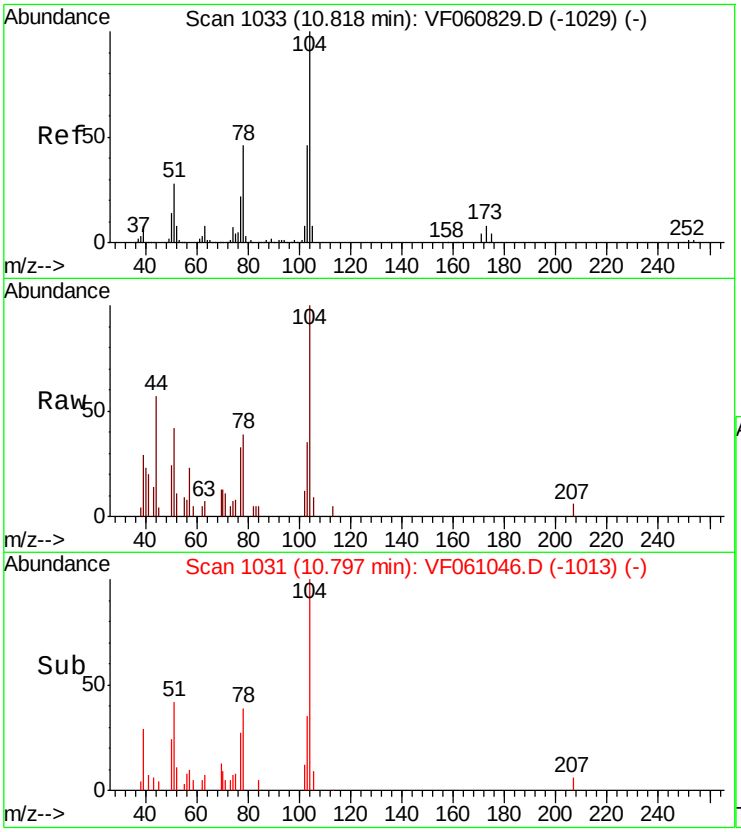


#69
o-Xylene
Concen: 2.032 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion:106 Resp: 5295

Ion	Ratio	Lower	Upper
106	100		
91	234.5	104.8	314.6



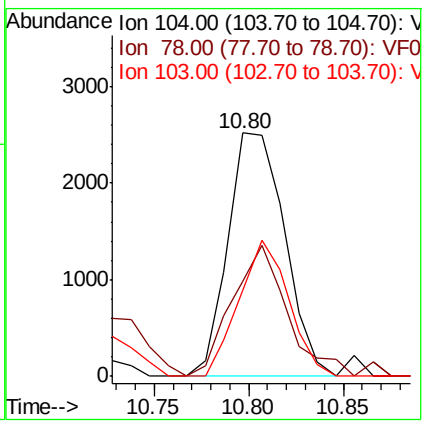


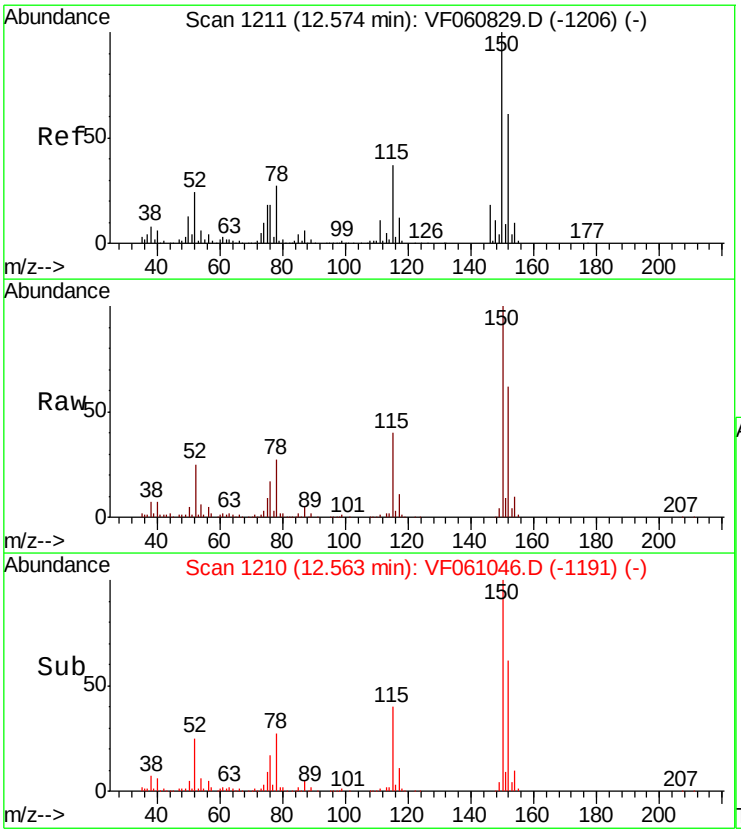
#70
Stvrene
Concen: 1.449 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:104 Resp: 5234

Ion	Ratio	Lower	Upper
104	100		
78	39.2	37.3	55.9
103	35.2	36.8	55.2#

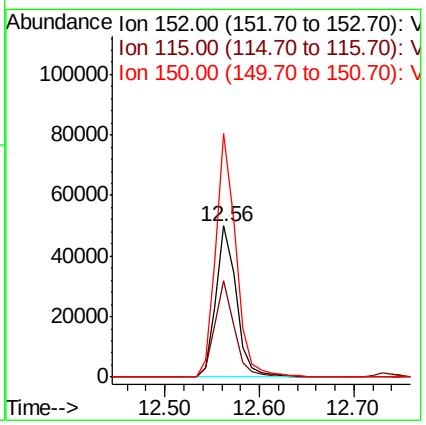


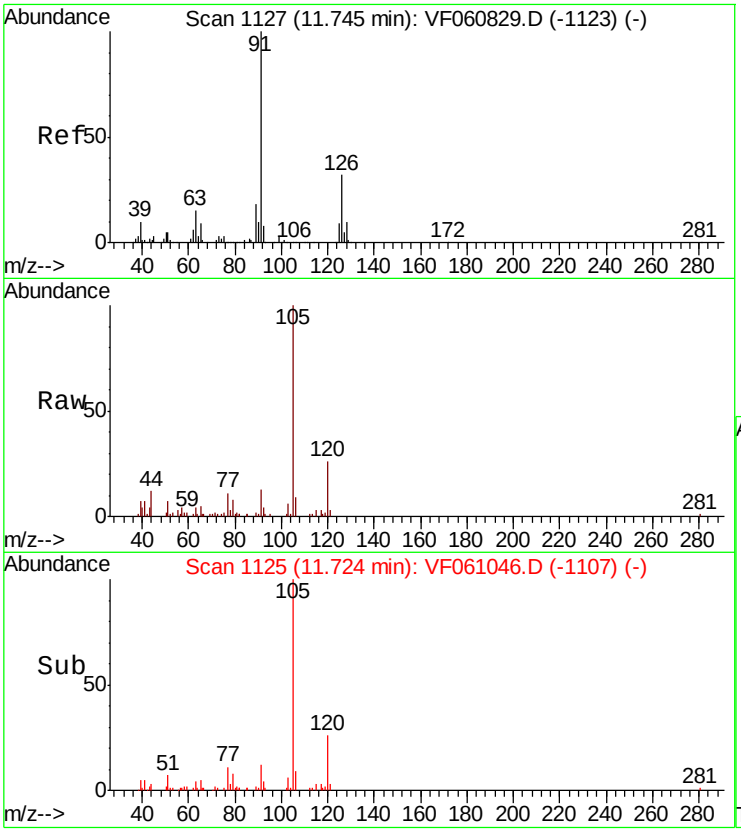


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion:152 Resp: 75403

Ion	Ratio	Lower	Upper
152	100		
115	63.9	30.1	90.5
150	161.2	0.0	327.6



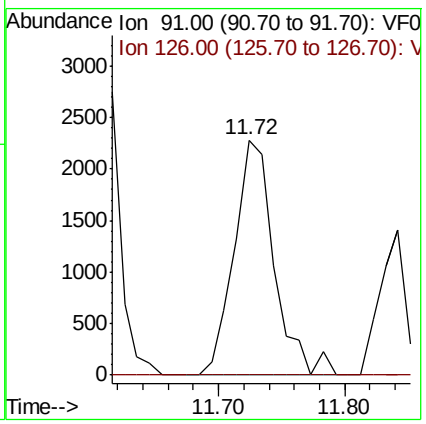


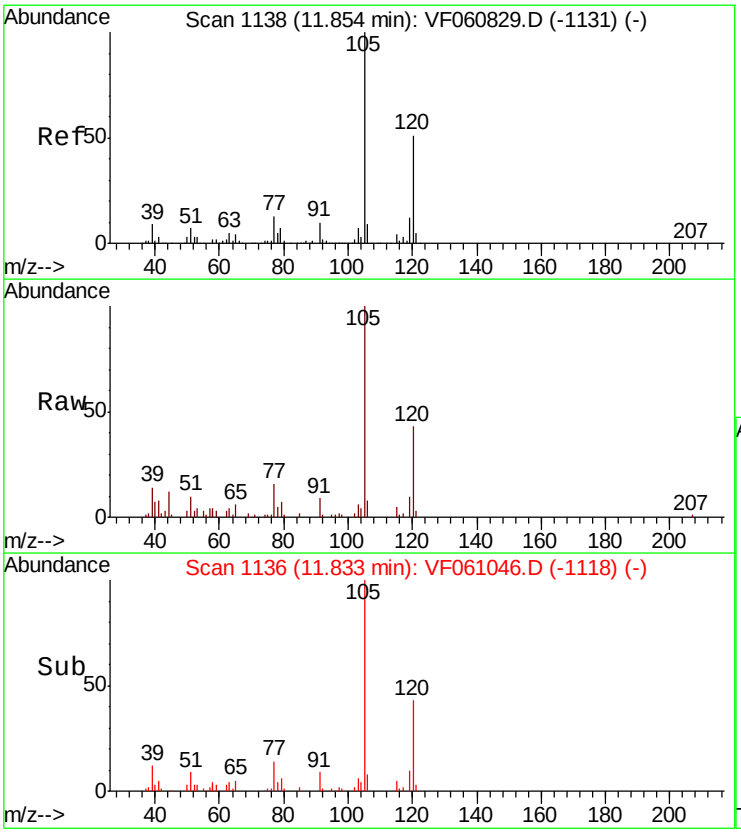
#79
2-Chlorotoluene
Concen: 1.259 ug/l
RT: 11.72 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 5038

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.9	47.6#

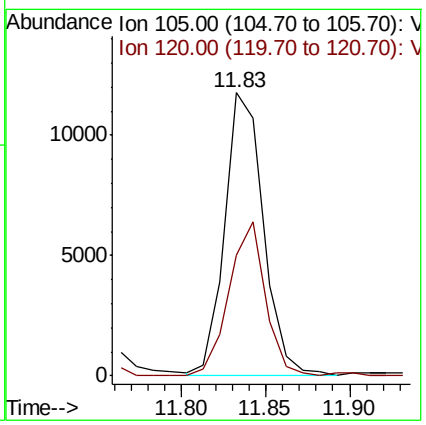


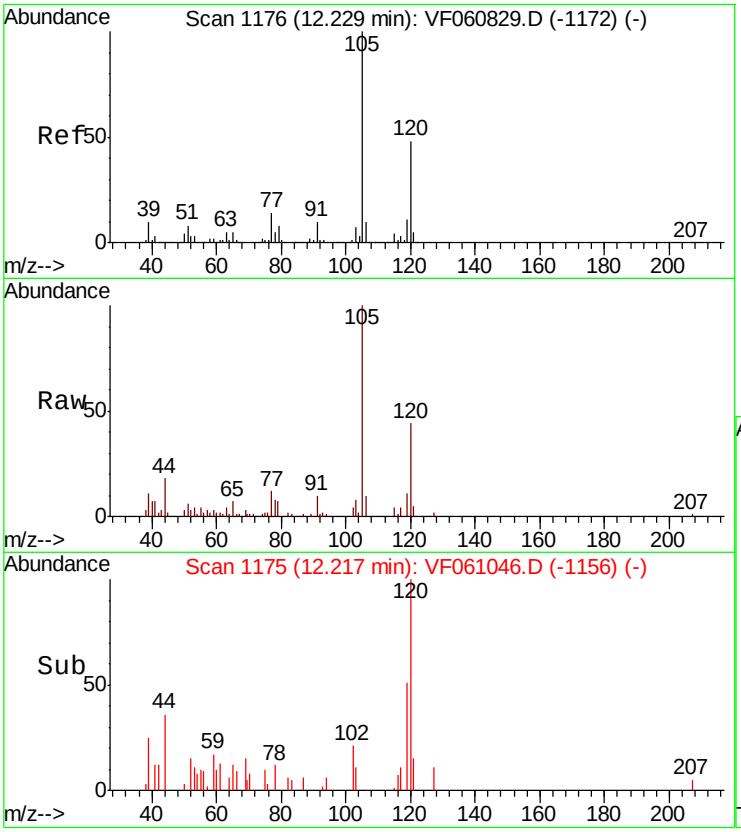


#80
1,3,5-Trimethylbenzene
Concen: 3.895 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion:105 Resp: 18840

Ion	Ratio	Lower	Upper
105	100		
120	42.8	25.8	77.3



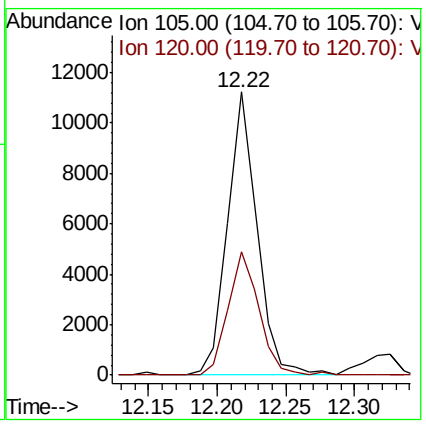


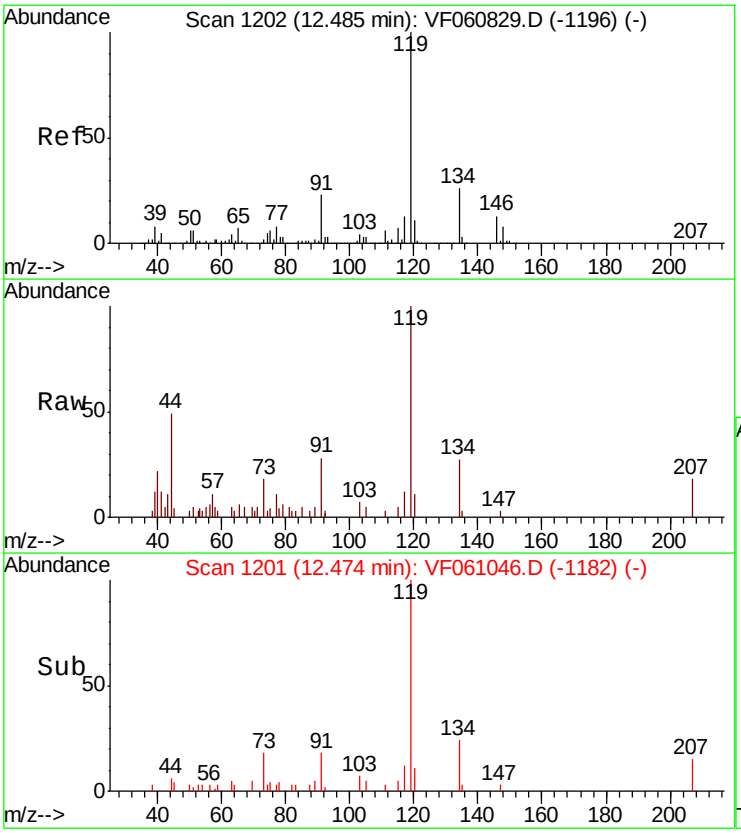
#84
1,2,4-Trimethylbenzene
Concen: 3.491 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 16854

Ion	Ratio	Lower	Upper
105	100		
120	43.8	23.8	71.5





#86
p-Isopropyltoluene
Concen: 1.350 ug/l
RT: 12.47 min Scan# 1201
Delta R.T. -0.01 min
Lab File: VF061046.D
Acq: 17 Dec 2018 17:56

Tgt Ion:119 Resp: 7635

Ion	Ratio	Lower	Upper
119	100		
134	27.1	12.9	38.6
91	27.6	11.8	35.3