Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122018\
Data File : VF061115.D
Acq On : 20 Dec 2018 18:38
Operator : VA/AP
Sample : J6377-16
Misc : 4.51g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Dec 21 06:44:19 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	193879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	326558	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	240652	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	88981	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	94988	38.09	ug/l	0.01
Spiked Amount 50.000			Recovery = 76.18%			
35) Dibromofluoromethane	4.12	113	111086	42.47	ug/l	0.00
Spiked Amount 50.000			Recovery = 84.94%			
50) Toluene-d8	7.56	98	241770	32.61	ug/l	0.00
Spiked Amount 50.000			Recovery = 65.22%			
62) 4-Bromofluorobenzene	11.42	95	88341	25.85	ug/l	0.00
Spiked Amount 50.000			Recovery = 51.70%			
Target Compounds						Qvalue
13) Acrolein	1.84	56	262	3.603	ug/l	90
15) Acrylonitrile	2.95	53	514	2.209	ug/l #	68
16) Acetone	2.23	43	22561	45.258	ug/l	96
18) Methyl Acetate	2.38	43	2486	2.410	ug/l #	66
20) Methylene Chloride	2.26	84	4446	Below Cal #		79
25) 2-Butanone	4.35	43	14507	17.944	ug/l	95
29) Tetrahydrofuran	4.08	42	670	2.036	ug/l #	37
49) 1,4-Dioxane	6.37	88	68	7.053	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	2135	1.636	ug/l #	78
59) 2-Hexanone	9.50	43	2370	2.511	ug/l	86
68) m/p-Xylenes	10.14	106	7247	2.274	ug/l	97
70) Styrene	10.81	104	134	Below Cal #		30
74) N-amyl acetate	11.47	43	6805	3.997	ug/l #	49
78) n-propylbenzene	11.61	91	1168	Below Cal #		57
87) 1,3-Dichlorobenzene	12.57	146	5016	Below Cal		84
88) 1,4-Dichlorobenzene	12.57	146	5016	1.655	ug/l	84

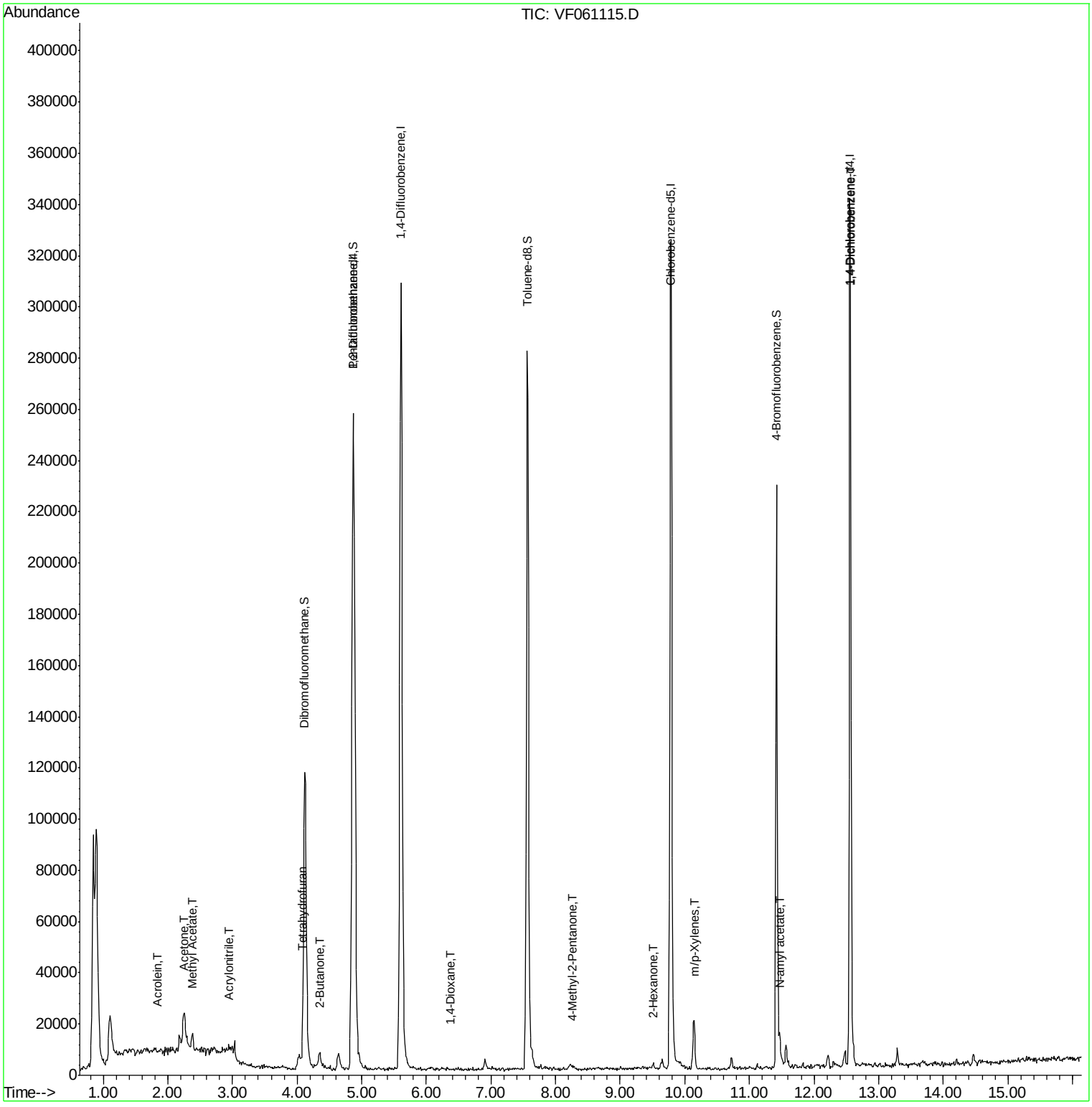
(#) = qualifier out of range (m) = manual integration (+) = signals summed

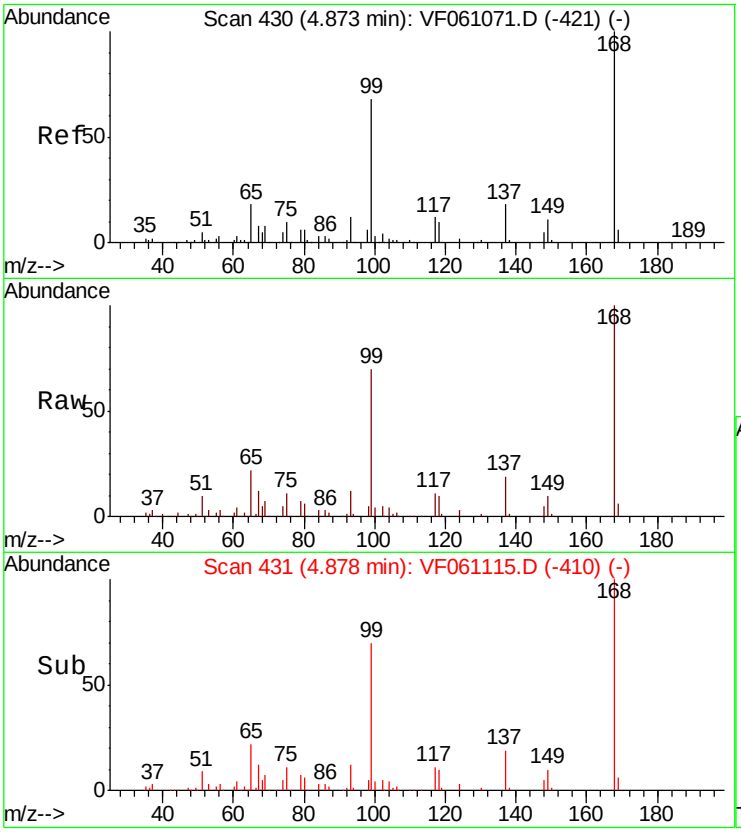
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061115.D
Acq On : 20 Dec 2018 18:38
Operator : VA/AP
Sample : J6377-16
Misc : 4.51g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 21 06:44:19 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



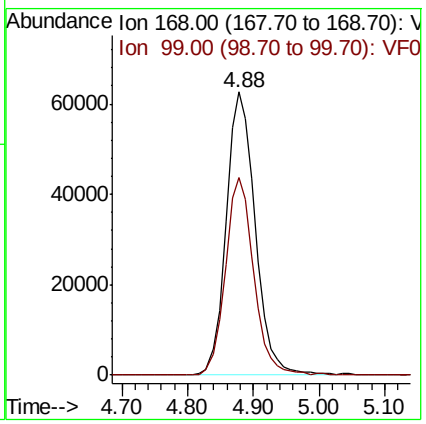


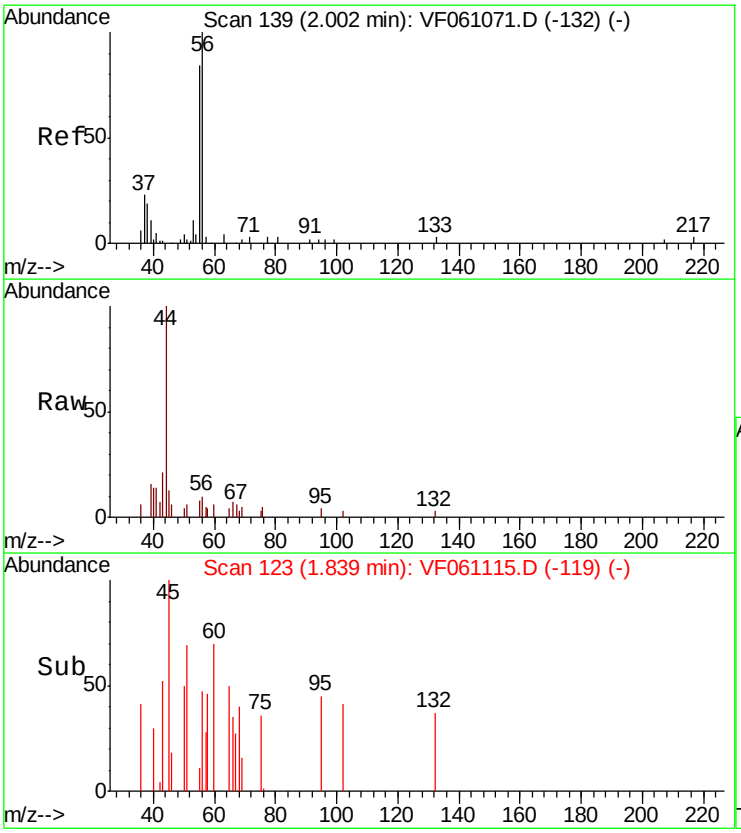
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.00 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 193879

Ion	Ratio	Lower	Upper
168	100		
99	69.9	54.4	81.6

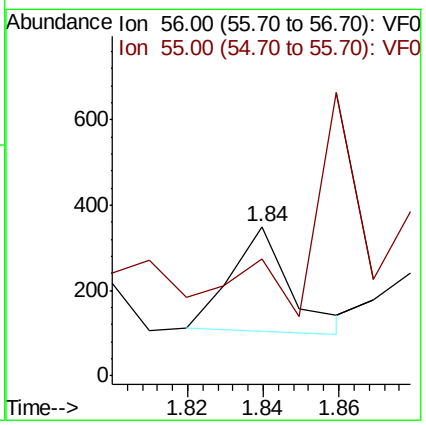


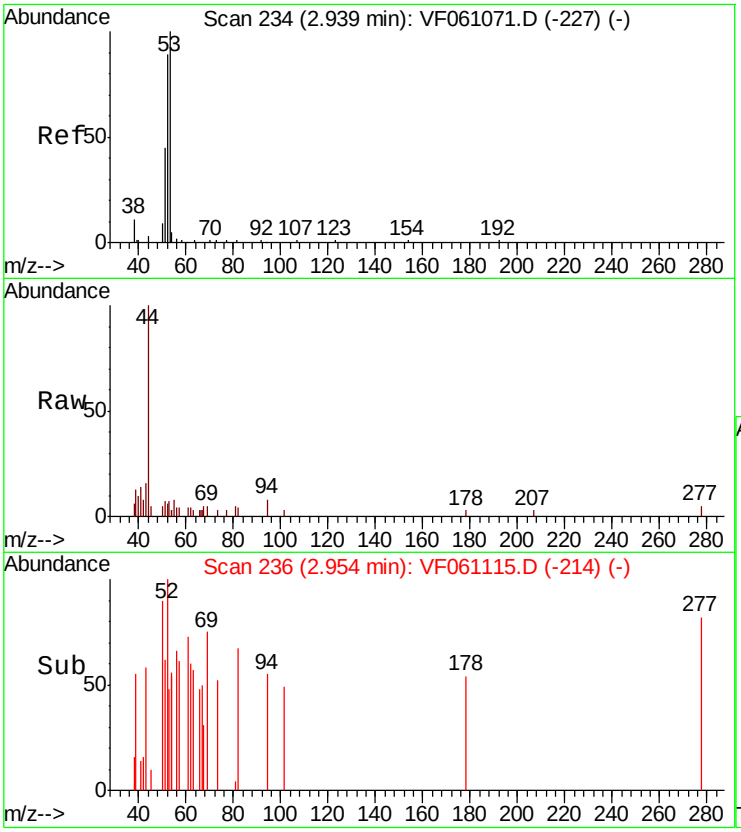


#13
Acrolein
Concen: 3.603 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.16 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion: 56 Resp: 262

Ion	Ratio	Lower	Upper
56	100		
55	78.0	70.2	105.2



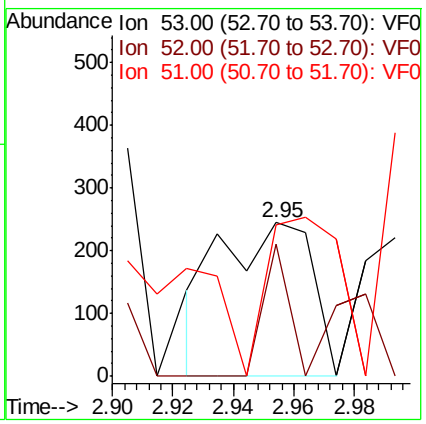


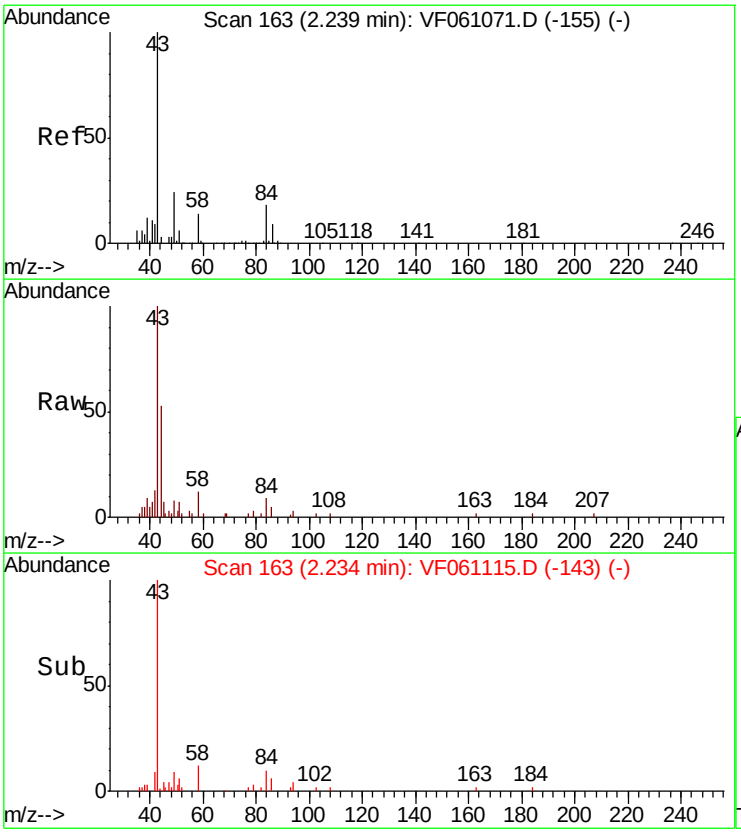
#15
Acrylonitrile
Concen: 2.209 ug/l
RT: 2.95 min Scan# 236
Delta R.T. 0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 53 Resp: 514

Ion	Ratio	Lower	Upper
53	100		
52	58.1	71.3	106.9#
51	66.4	36.8	55.2#

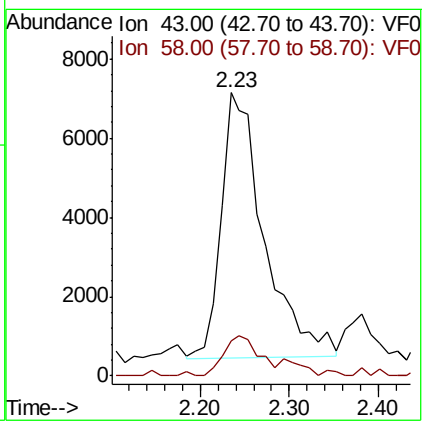


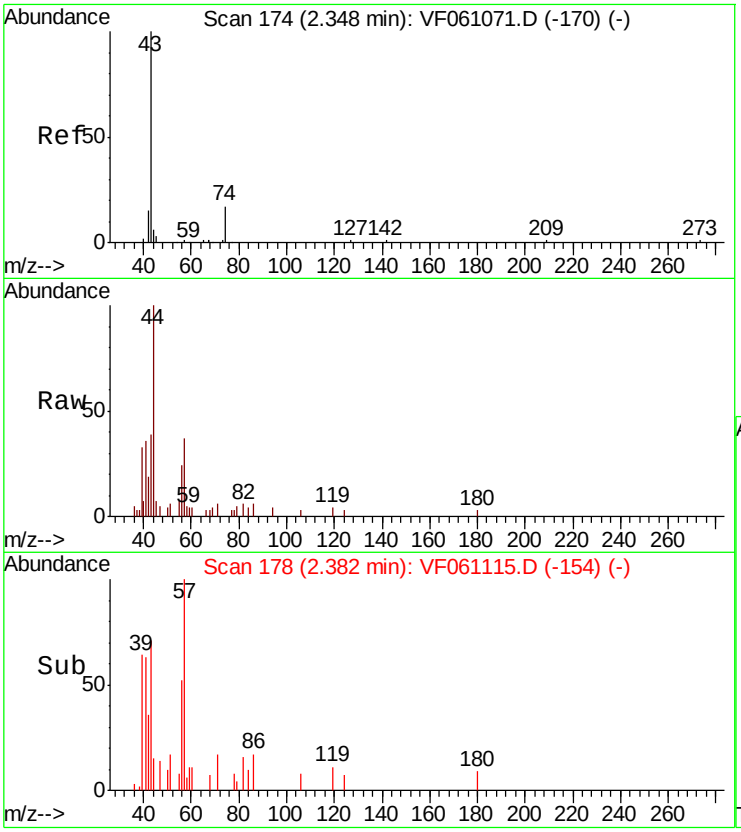


#16
Acetone
Concen: 45.258 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion: 43 Resp: 22561

Ion	Ratio	Lower	Upper
43	100		
58	12.3	11.1	16.7



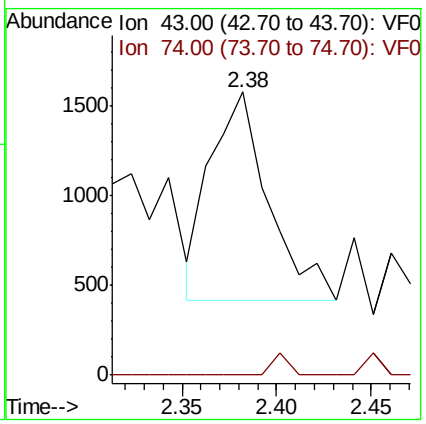


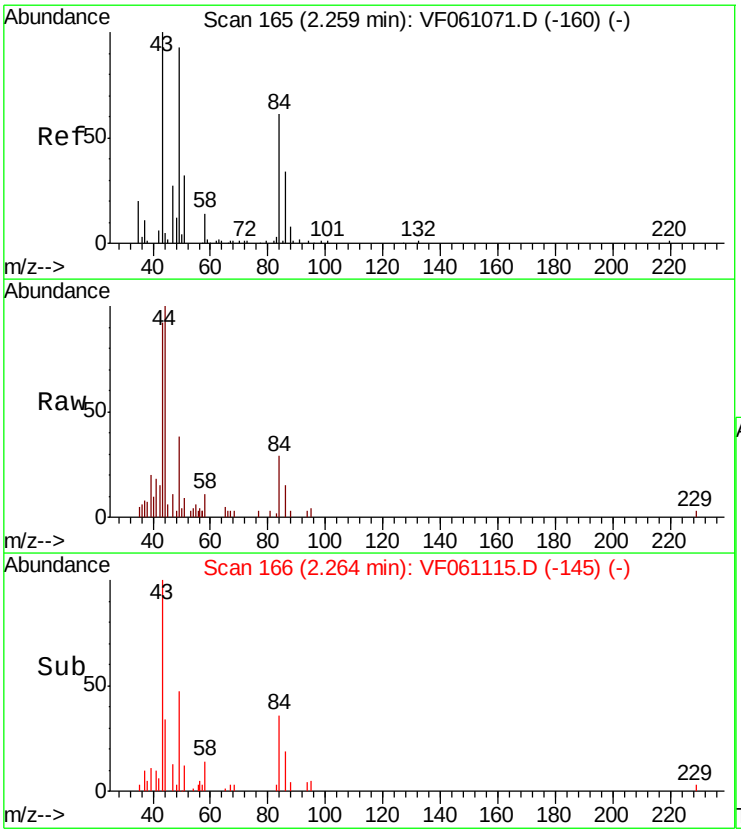
#18
Methyl Acetate
Concen: 2.410 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2486

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.0	16.6#

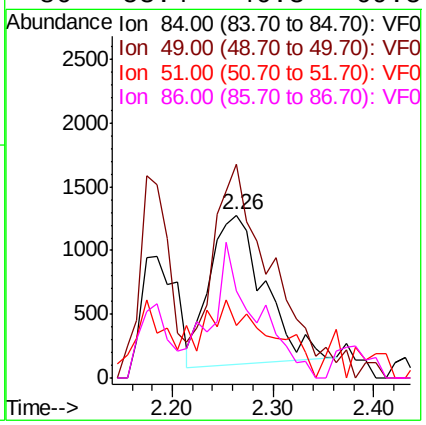


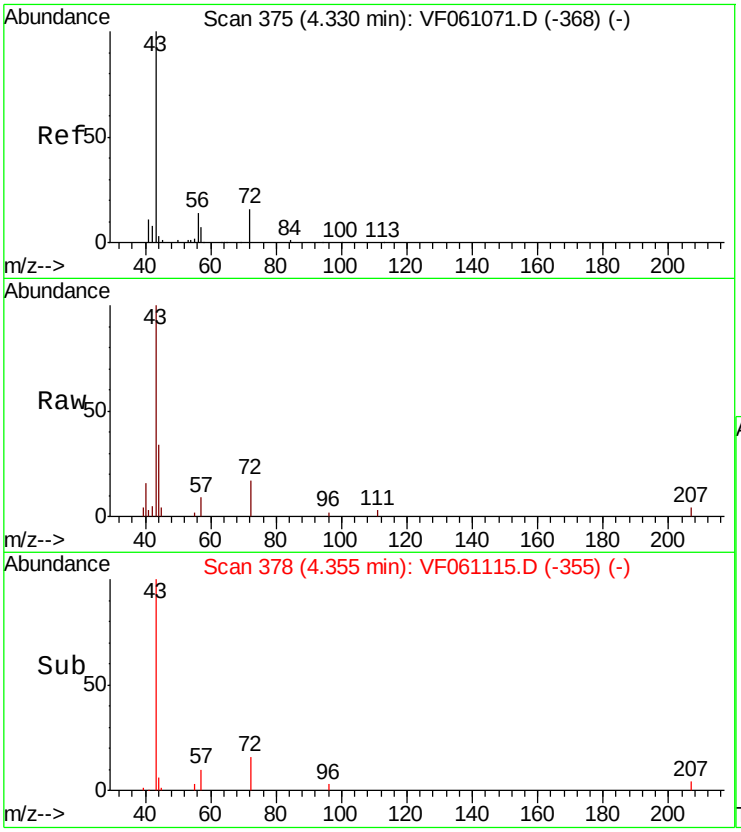


#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion: 84 Resp: 4446

Ion	Ratio	Lower	Upper
84	100		
49	131.3	129.4	194.2
51	32.4	44.0	66.0#
86	53.4	46.3	69.5



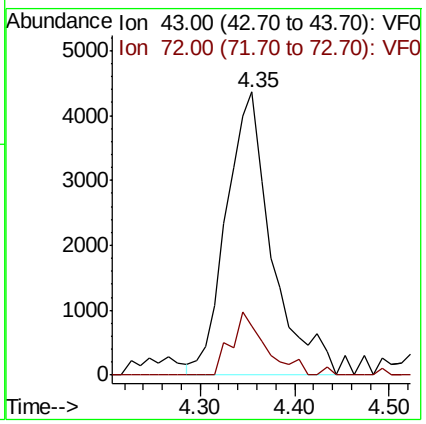


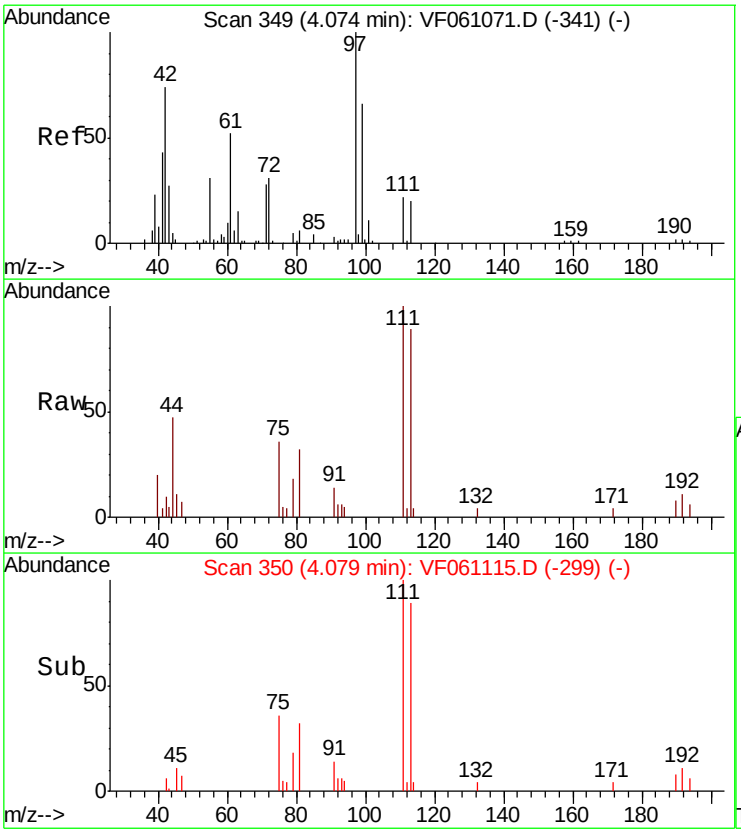
#25
2-Butanone
Concen: 17.944 ug/l
RT: 4.35 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 14507

Ion	Ratio	Lower	Upper
43	100		
72	17.3	15.6	23.4

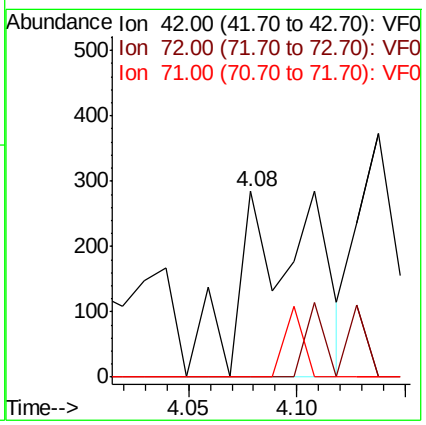


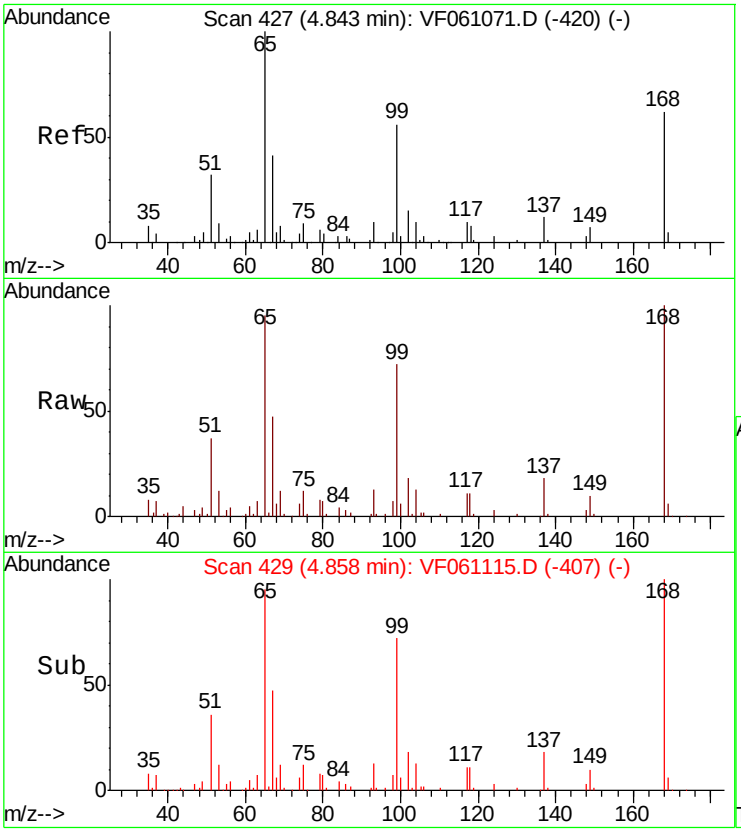


#29
Tetrahydrofuran
Concen: 2.036 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion: 42 Resp: 670

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



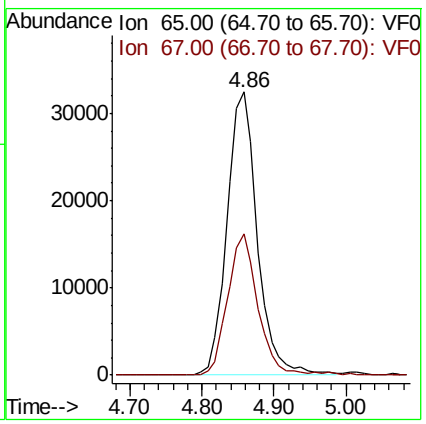


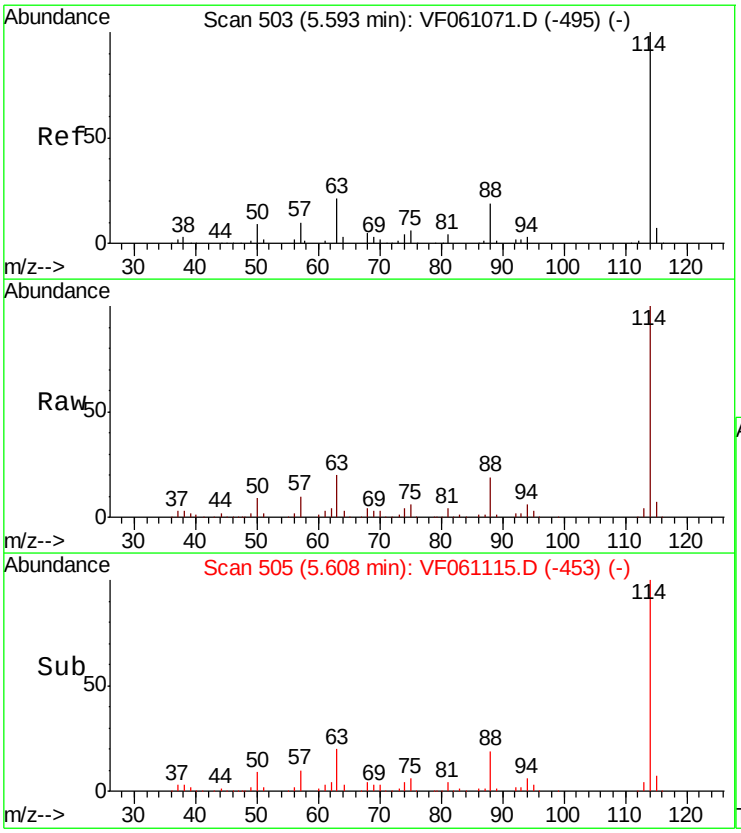
#33
1,2-Dichloroethane-d4
Concen: 38.092 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 94988

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	94.6

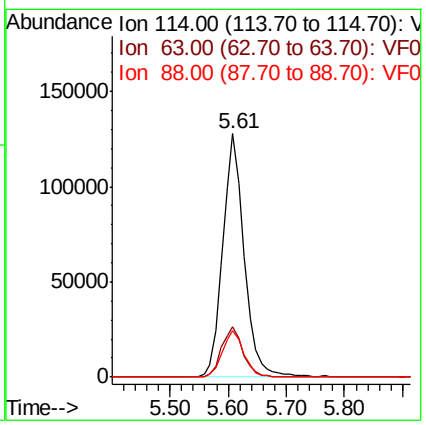


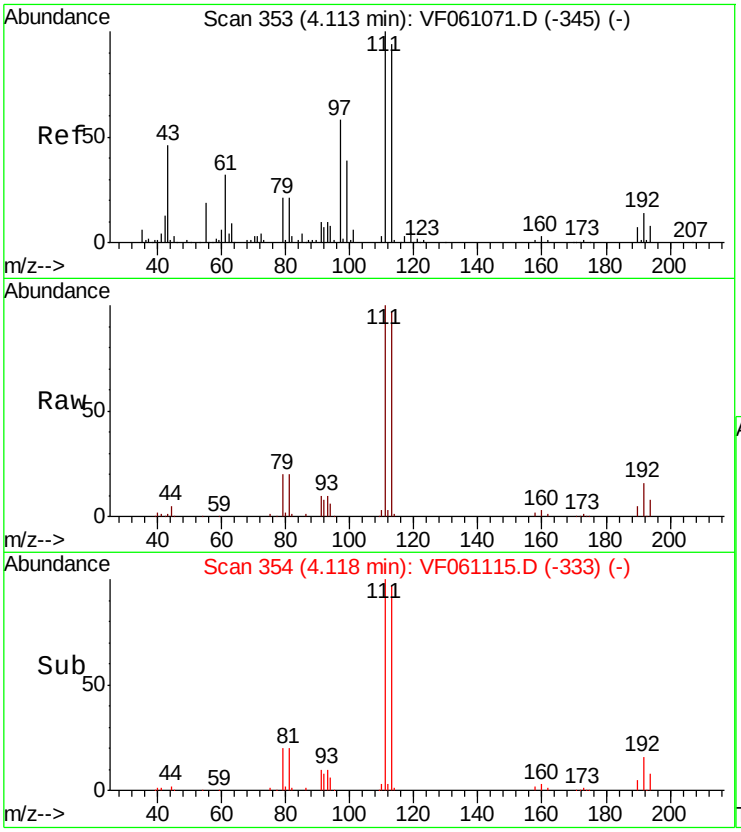


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion:114 Resp: 326558

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.6
88	19.1	0.0	38.0



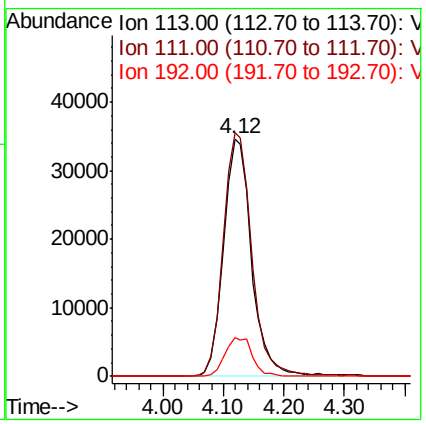


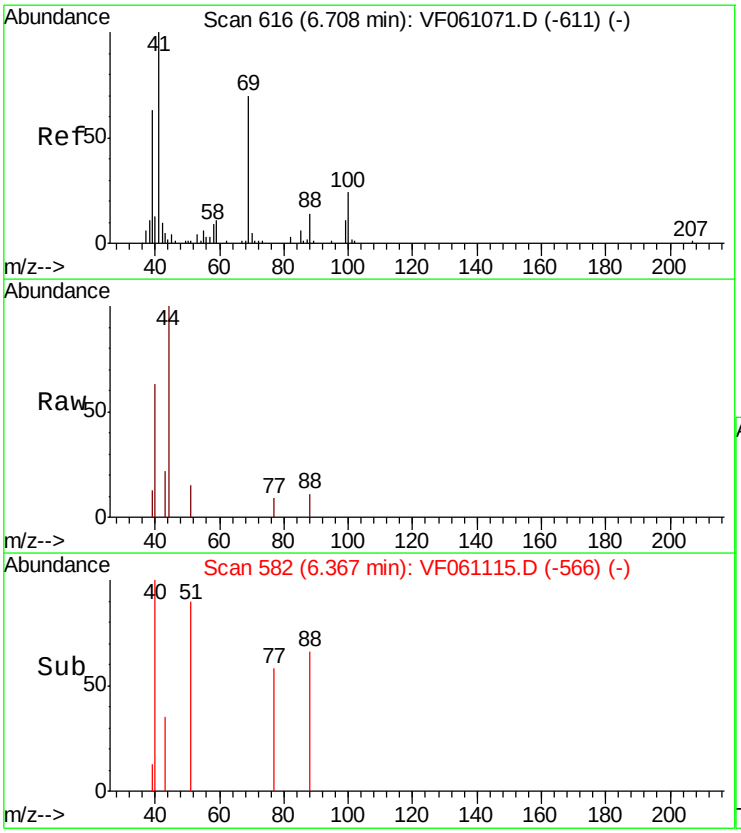
#35
Dibromofluoromethane
Concen: 42.465 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 111086

Ion	Ratio	Lower	Upper
113	100		
111	102.6	85.2	127.8
192	17.1	12.8	19.2

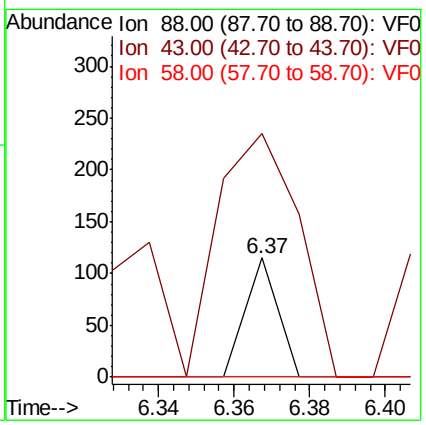


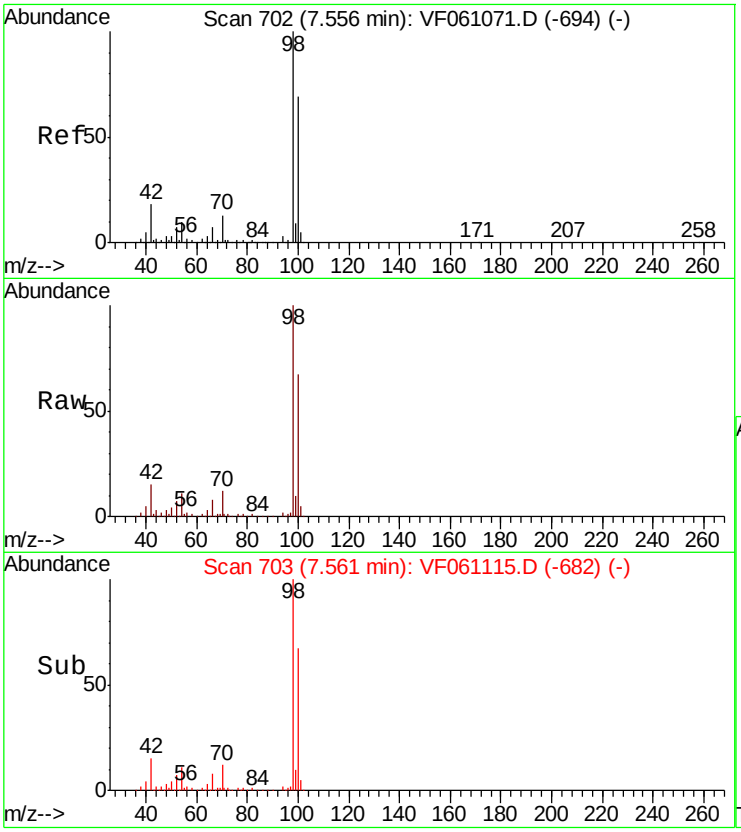


#49
1,4-Dioxane
Concen: 7.053 ug/l
RT: 6.37 min Scan# 582
Delta R.T. -0.34 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion: 88 Resp: 68

Ion	Ratio	Lower	Upper
88	100		
43	204.3	33.3	49.9#
58	0.0	53.2	79.8#



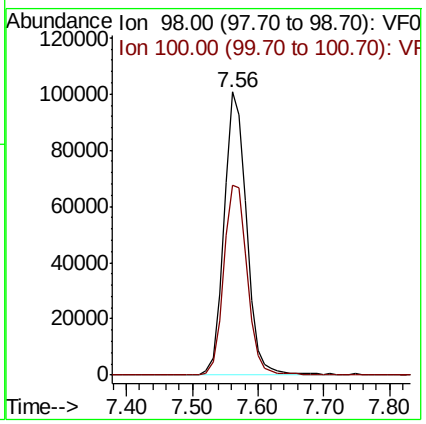


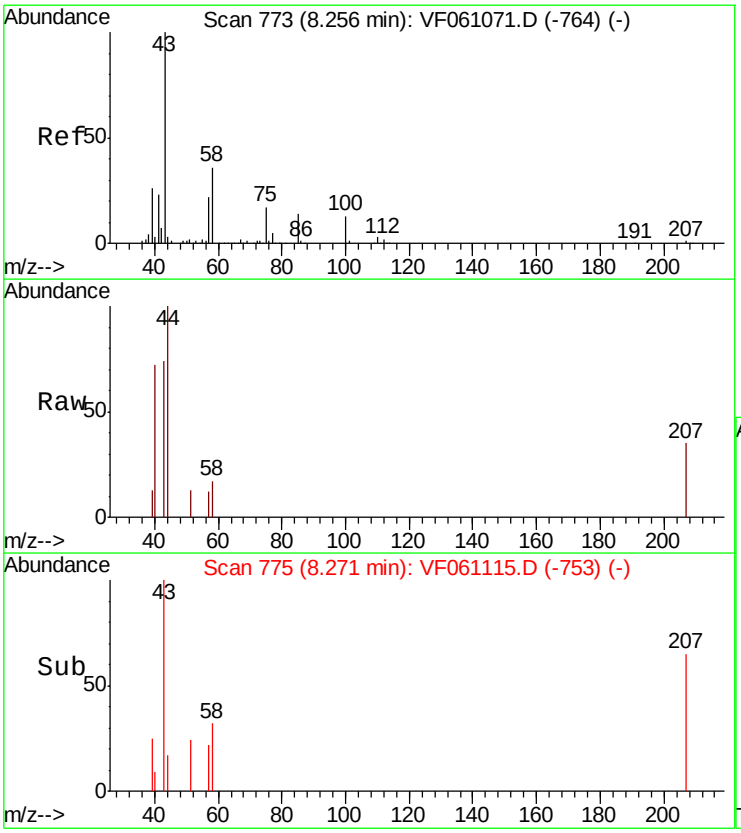
#50
Toluene-d8
Concen: 32.614 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 241770

Ion	Ratio	Lower	Upper
98	100		
100	67.1	55.3	82.9

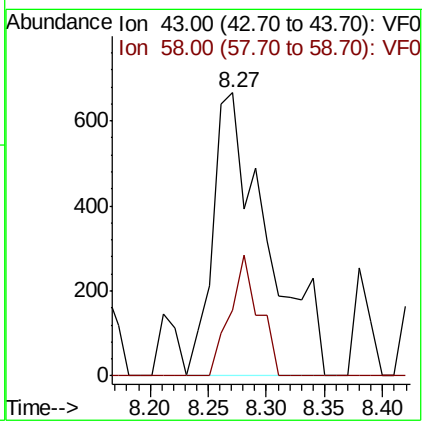


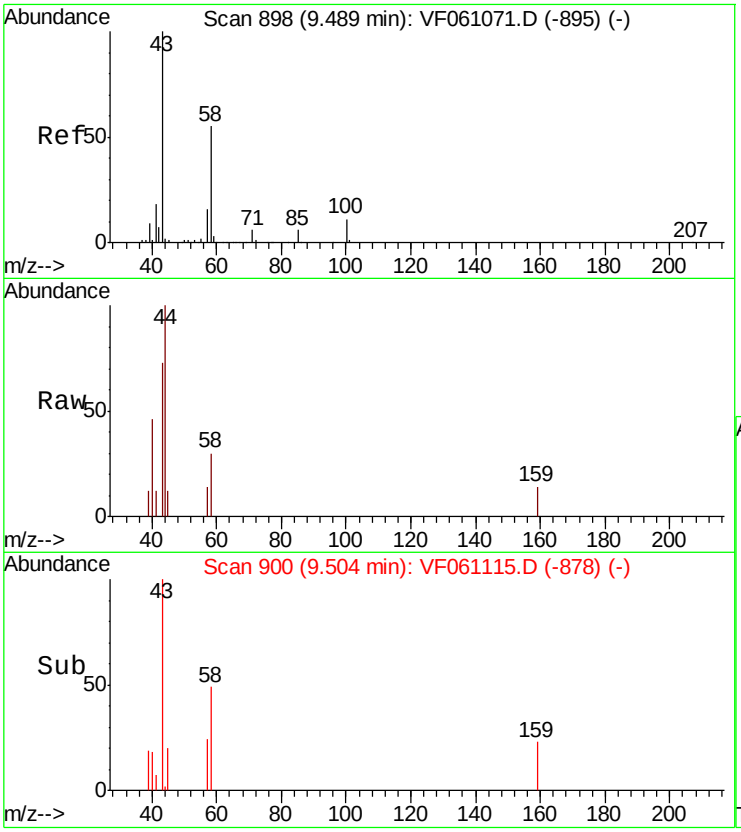


#51
4-Methyl-2-Pentanone
Concen: 1.636 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion: 43 Resp: 2135

Ion	Ratio	Lower	Upper
43	100		
58	23.3	29.1	43.7#



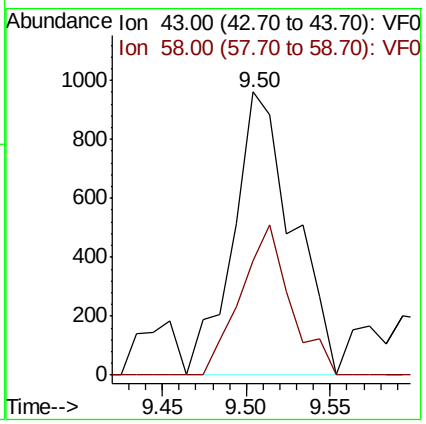


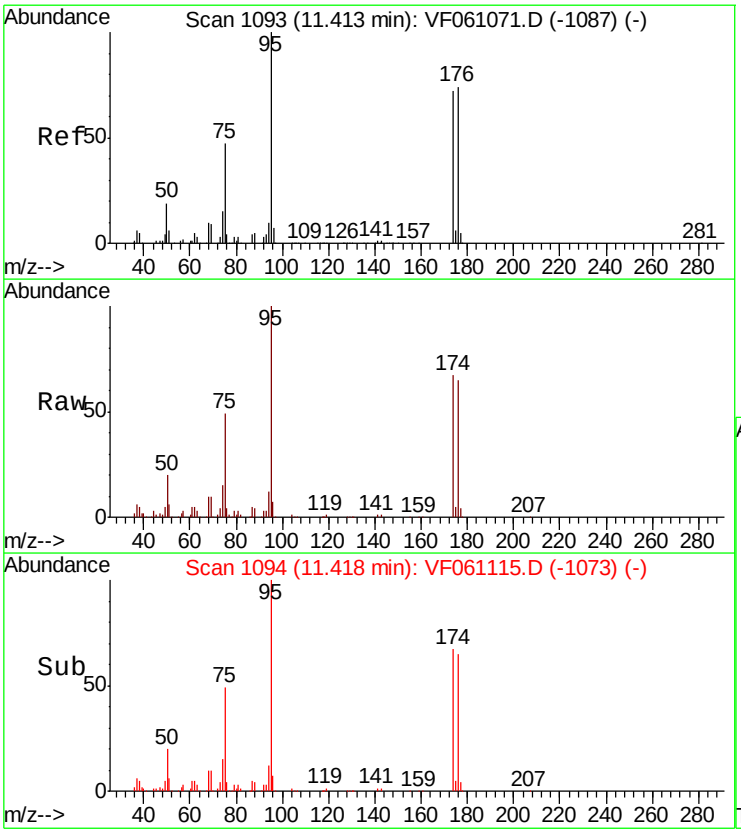
#59
2-Hexanone
Concen: 2.511 ug/l
RT: 9.50 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2370

Ion	Ratio	Lower	Upper
43	100		
58	40.6	25.1	75.2

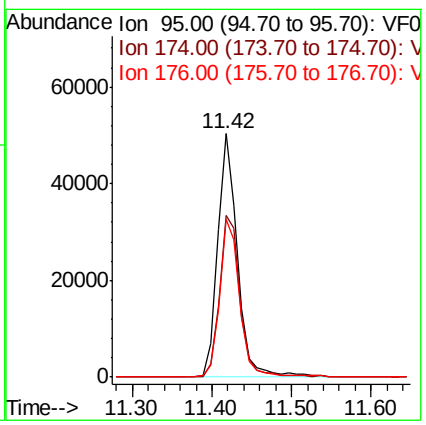


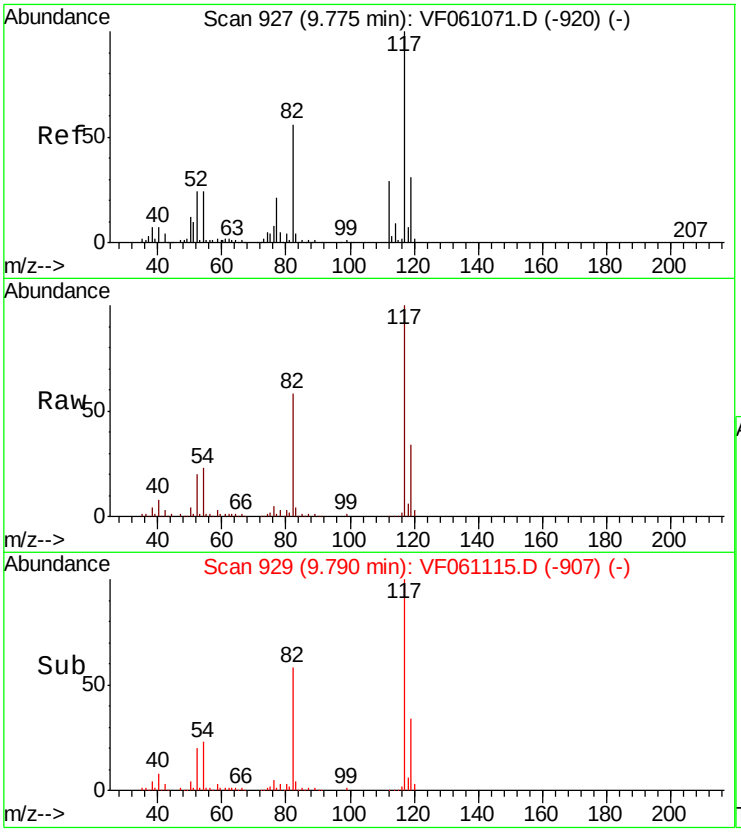


#62
4-Bromofluorobenzene
Concen: 25.849 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion: 95 Resp: 88341

Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	143.8
176	64.7	0.0	147.6



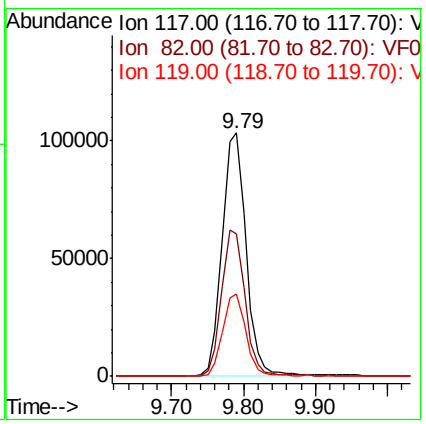


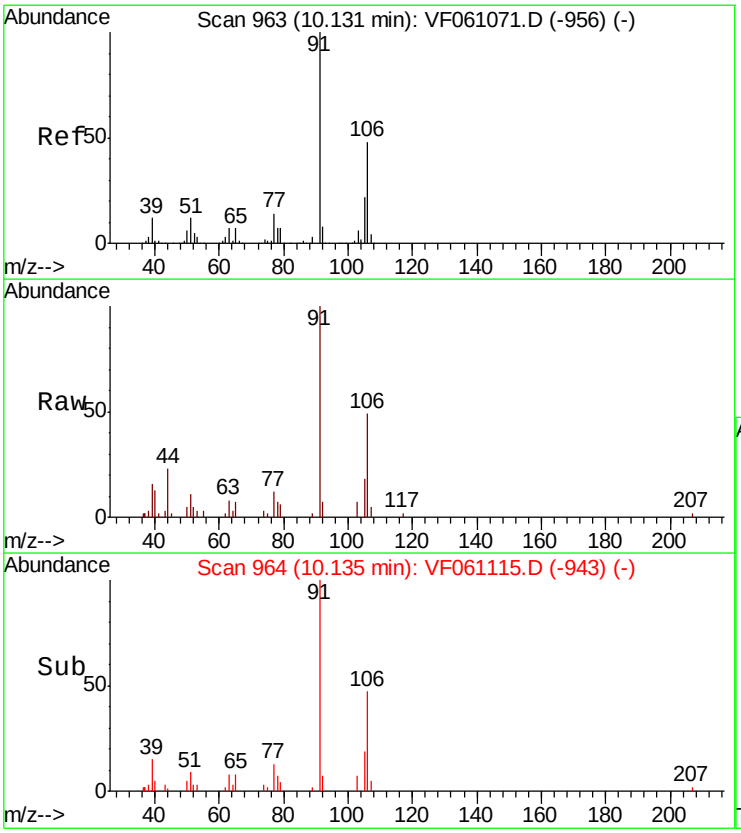
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 240652

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.0	67.4
119	33.9	24.8	37.2

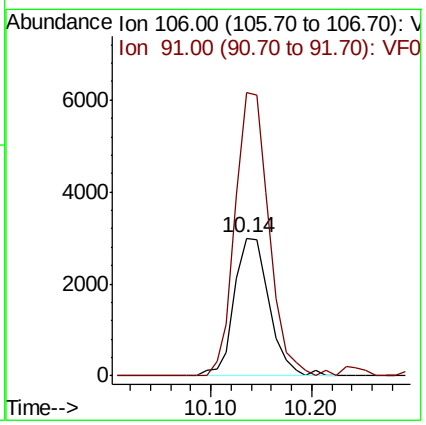


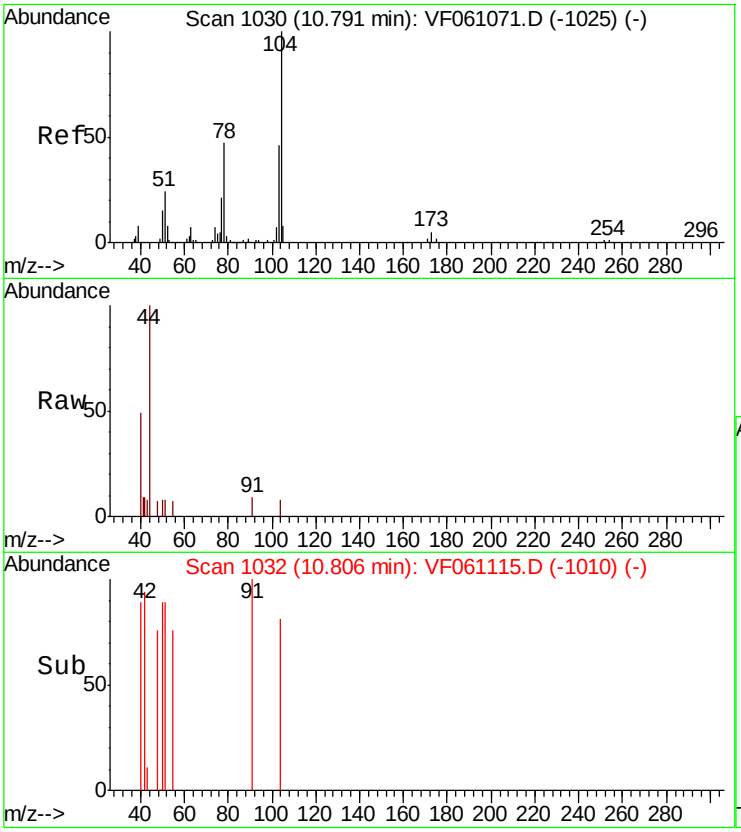


#68
m/p-Xylenes
Concen: 2.274 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion:106 Resp: 7247

Ion	Ratio	Lower	Upper
106	100		
91	205.7	168.2	252.2



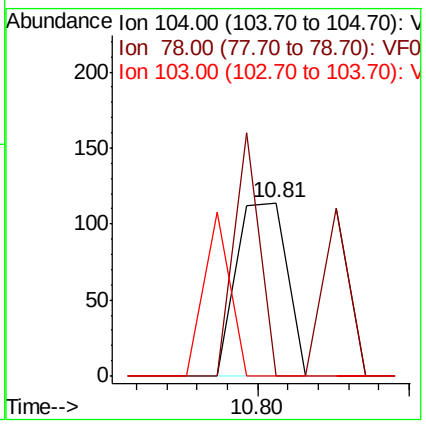


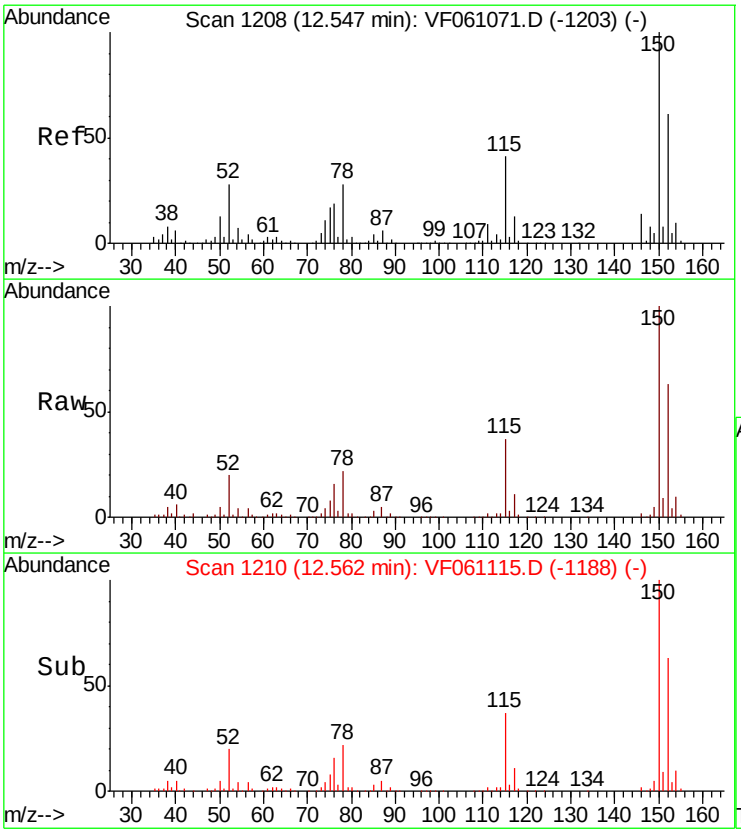
#70
Stvrene
Concen: Below Cal
RT: 10.81 min Scan# 1032
Delta R.T. 0.02 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:104 Resp: 134

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

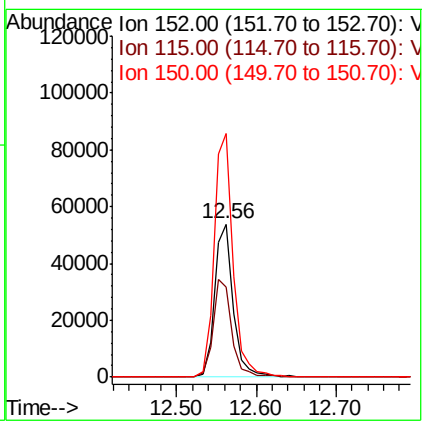


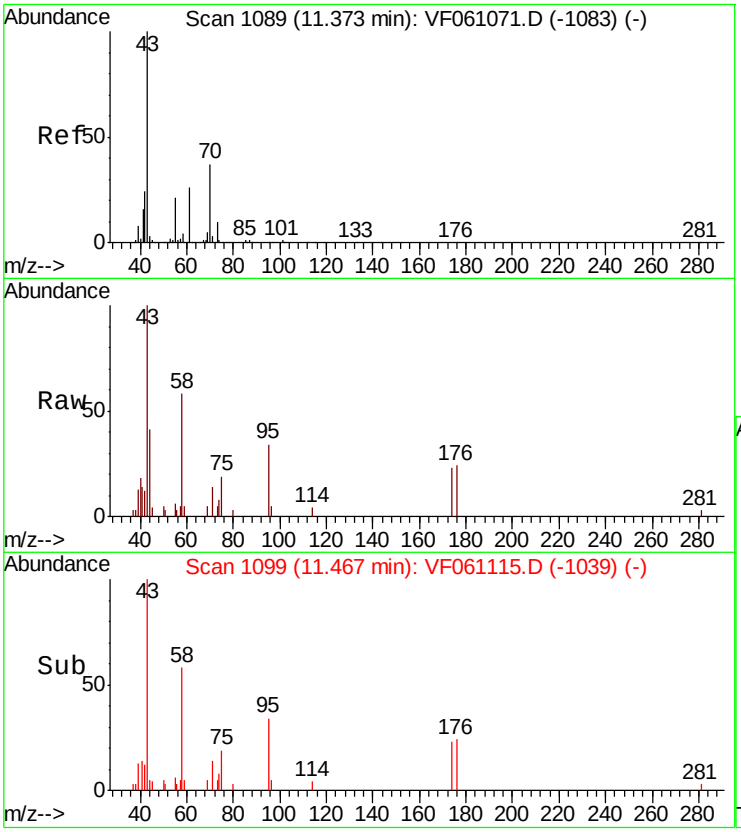


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion:152 Resp: 88981

Ion	Ratio	Lower	Upper
152	100		
115	59.1	33.3	99.9
150	159.2	0.0	328.2



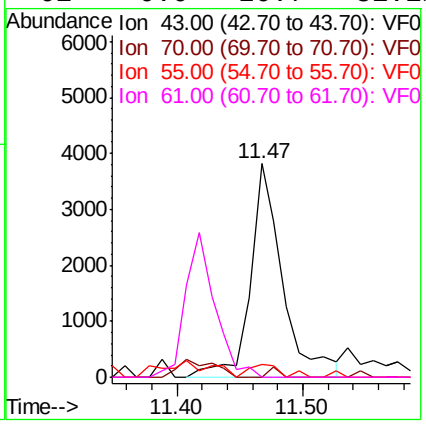


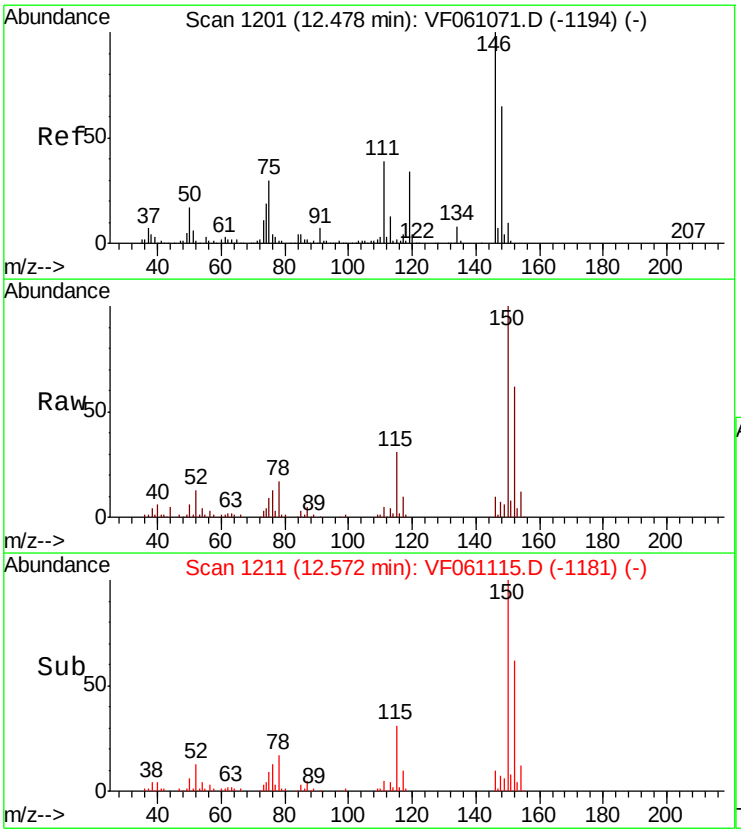
#74
N-amyl acetate
Concen: 3.997 ug/l
RT: 11.47 min Scan# 1099
Delta R.T. 0.09 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 6805

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.2	43.8#
55	5.7	16.5	24.7#
61	0.0	20.7	31.1#

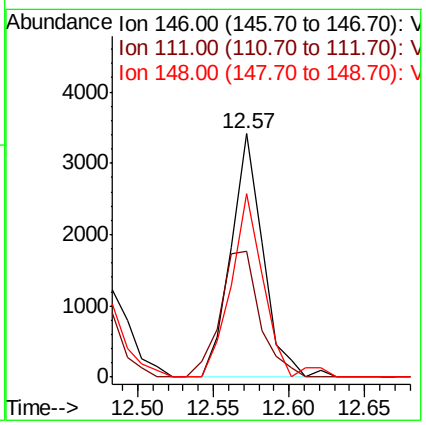


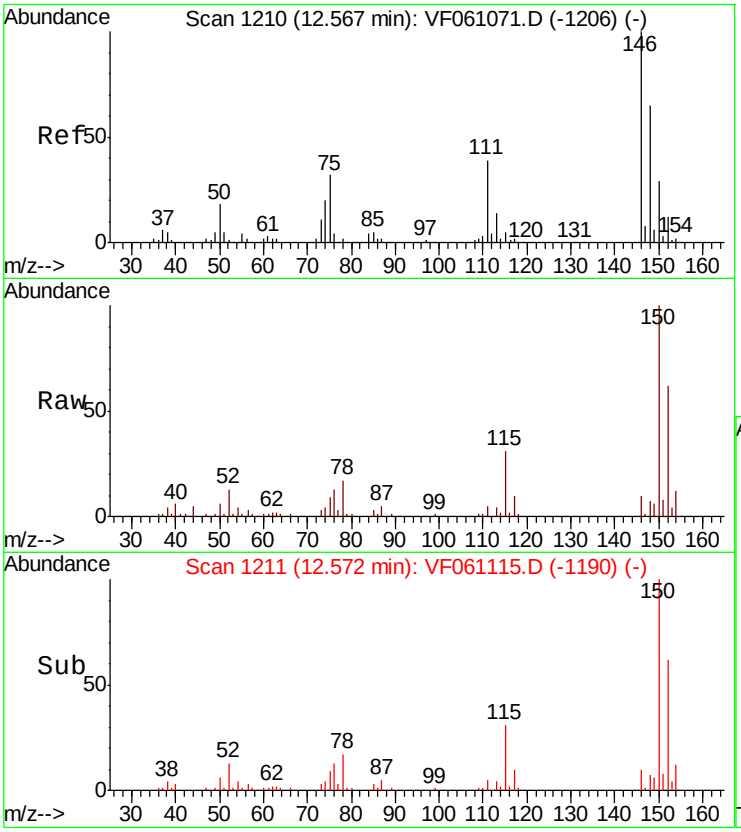


#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.57 min Scan# 1211
Delta R.T. 0.09 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Tgt Ion:146 Resp: 5016

Ion	Ratio	Lower	Upper
146	100		
111	51.6	19.3	57.9
148	75.1	32.4	97.2





#88
1,4-Dichlorobenzene
Concen: 1.655 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VF061115.D
Acq: 20 Dec 2018 18:38

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:146 Resp: 5016

Ion	Ratio	Lower	Upper
146	100		
111	51.6	19.4	58.4
148	75.1	32.4	97.0