Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022619\
Data File : VF061747.D
Acq On : 26 Feb 2019 18:01
Operator : VA/AP
Sample : K1627-01
Misc : 6.09g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Quant Time: Feb 27 04:08:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	25647	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	27174	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	11900	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	2295	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	3196	16.99	ug/l	-0.03
Spiked Amount 50.000			Recovery = 33.98%			
35) Dibromofluoromethane	4.09	113	6147	30.46	ug/l	-0.03
Spiked Amount 50.000			Recovery = 60.92%			
50) Toluene-d8	7.53	98	18551	31.98	ug/l	-0.03
Spiked Amount 50.000			Recovery = 63.96%			
62) 4-Bromofluorobenzene	11.40	95	2630	11.20	ug/l	-0.02
Spiked Amount 50.000			Recovery = 22.40%			
Target Compounds						Qvalue
5) Bromomethane	1.30	94	360	1.821	ug/l #	3
11) Tert butyl alcohol	2.59	59	66	6.064	ug/l #	63
12) 1,1-Dichloroethene	1.81	96	240	1.092	ug/l #	1
13) Acrolein	2.12	56	392	28.655	ug/l	88
14) Allyl chloride	2.10	41	601	2.229	ug/l #	68
15) Acrylonitrile	2.95	53	162	4.196	ug/l #	78
16) Acetone	2.29	43	867	21.486	ug/l #	46
18) Methyl Acetate	2.31	43	1083	11.914	ug/l	96
20) Methylene Chloride	2.18	84	1525	4.773	ug/l #	77
22) Diisopropyl ether	2.80	45	1005	1.552	ug/l #	43
23) Vinyl Acetate	3.20	43	373	1.180	ug/l #	74
25) 2-Butanone	4.30	43	128	1.452	ug/l #	55
29) Tetrahydrofuran	4.07	42	261	6.515	ug/l #	33
37) Ethyl Acetate	4.08	43	183	1.464	ug/l #	30
41) Methacrylonitrile	4.75	41	127	1.986	ug/l #	25
43) Isopropyl Acetate	6.93	43	150	1.014	ug/l #	43
48) Methyl methacrylate	6.70	41	237	2.661	ug/l #	48
58) 2-Chloroethyl Vinyl ether	7.21	63	61	2.531	ug/l #	44
59) 2-Hexanone	9.45	43	136	1.835	ug/l #	23
74) N-amyl acetate	11.38	43	196	4.997	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.57	83	60	2.050	ug/l #	26
81) trans-1,4-Dichloro-2-buten	12.01	75	62	6.498	ug/l #	21
83) tert-Butylbenzene	12.12	119	145	1.002	ug/l #	33
89) n-Butylbenzene	12.86	91	350	2.361	ug/l #	28
93) 1,2,4-Trichlorobenzene	14.19	180	105	1.957	ug/l #	11
95) Naphthalene	14.44	128	479	5.103	ug/l #	64
96) 1,2,3-Trichlorobenzene	14.59	180	70	1.421	ug/l #	71

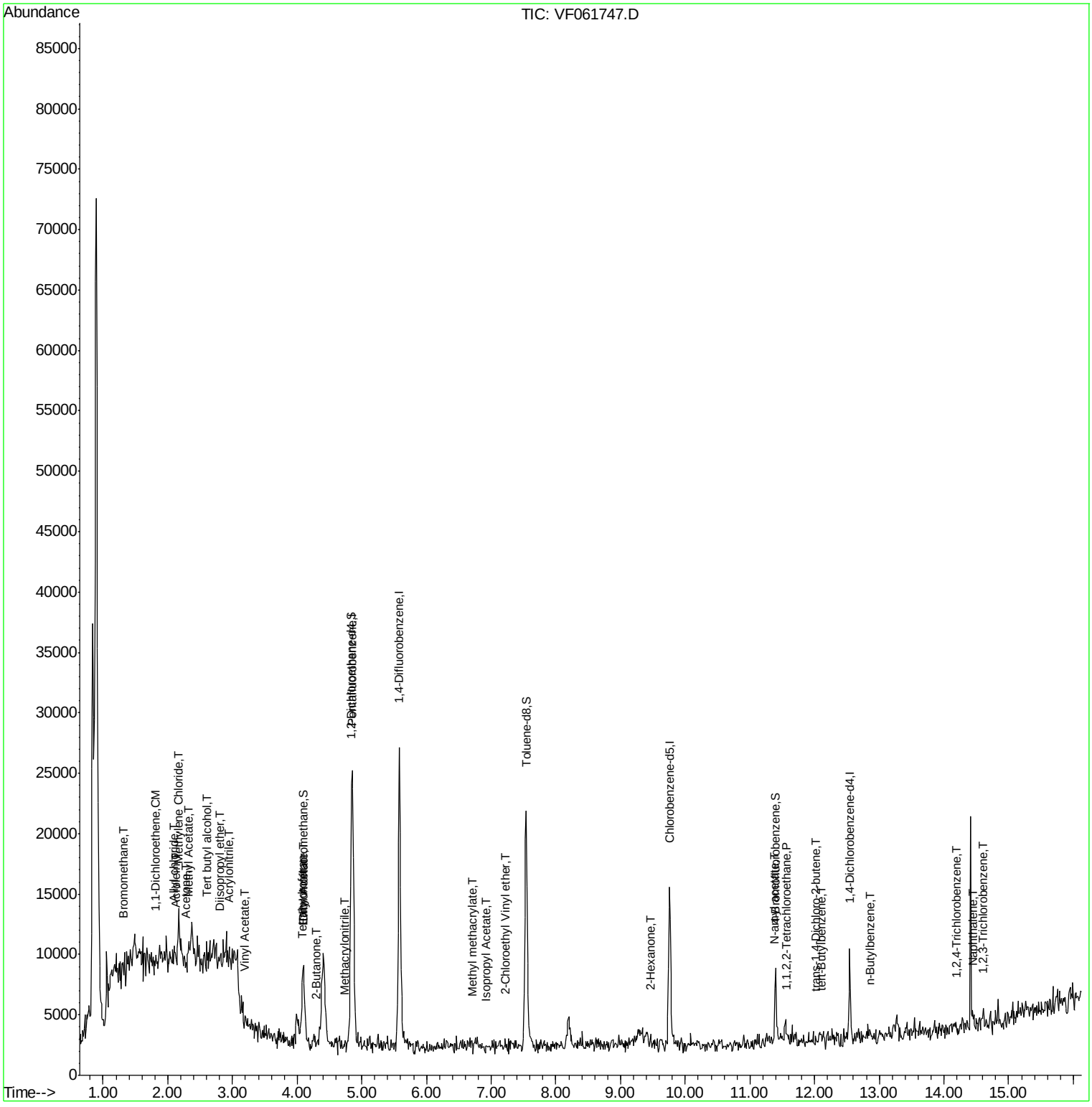
(#) = qualifier out of range (m) = manual integration (+) = signals summed

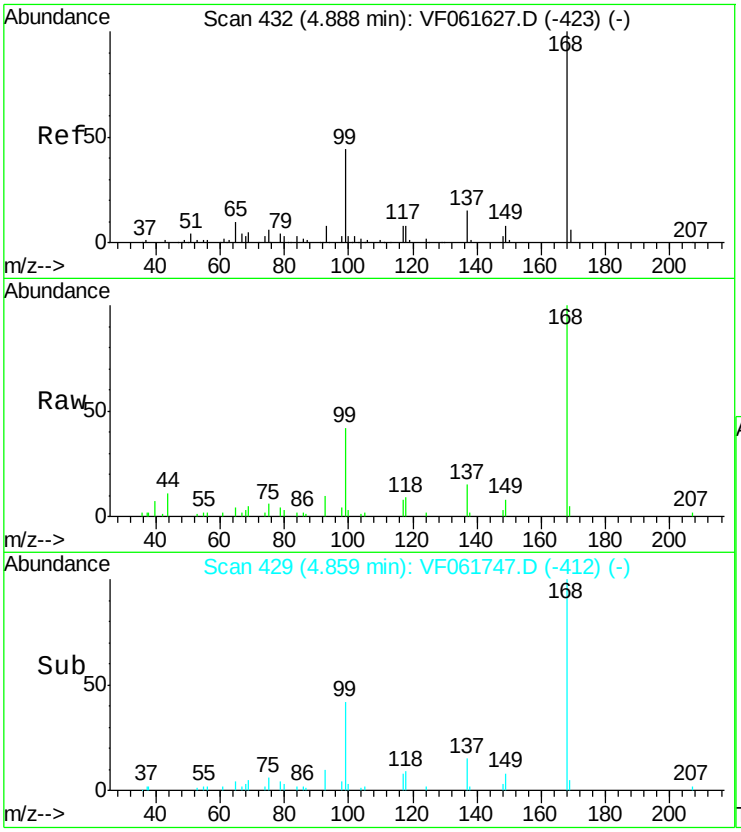
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
Data File : VF061747.D
Acq On : 26 Feb 2019 18:01
Operator : VA/AP
Sample : K1627-01
Misc : 6.09g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Quant Time: Feb 27 04:08:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration



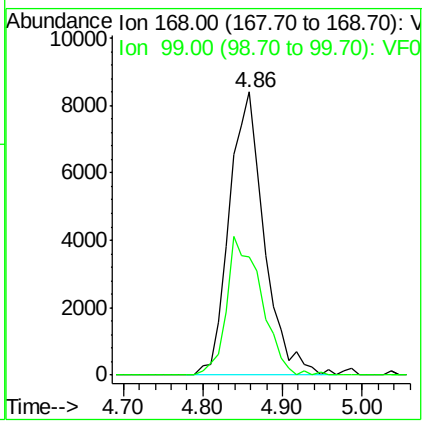


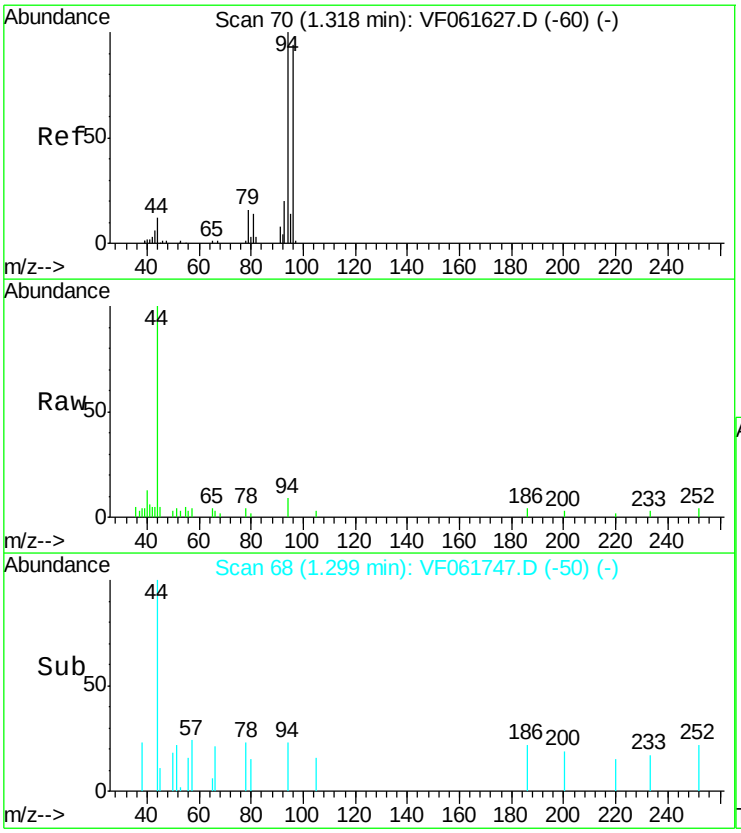
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.03 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion:168 Resp: 25647

Ion	Ratio	Lower	Upper
168	100		
99	41.9	34.9	52.3

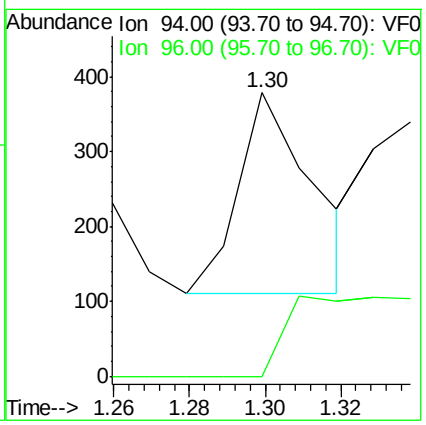


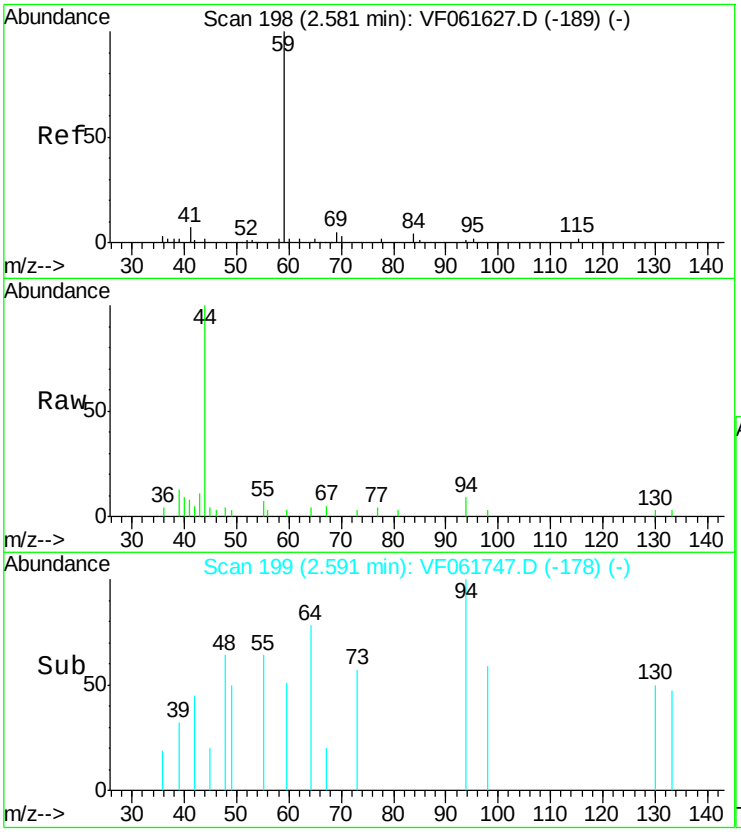


#5
Bromomethane
Concen: 1.821 ug/l
RT: 1.30 min Scan# 68
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 94 Resp: 360

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.6	112.0#



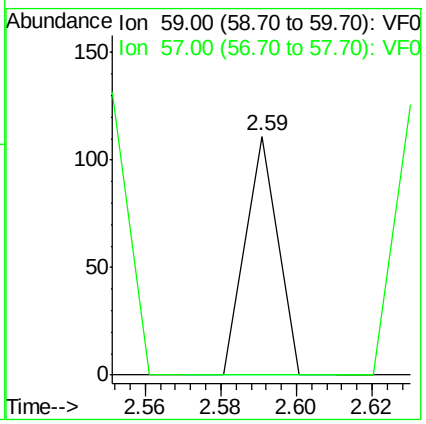


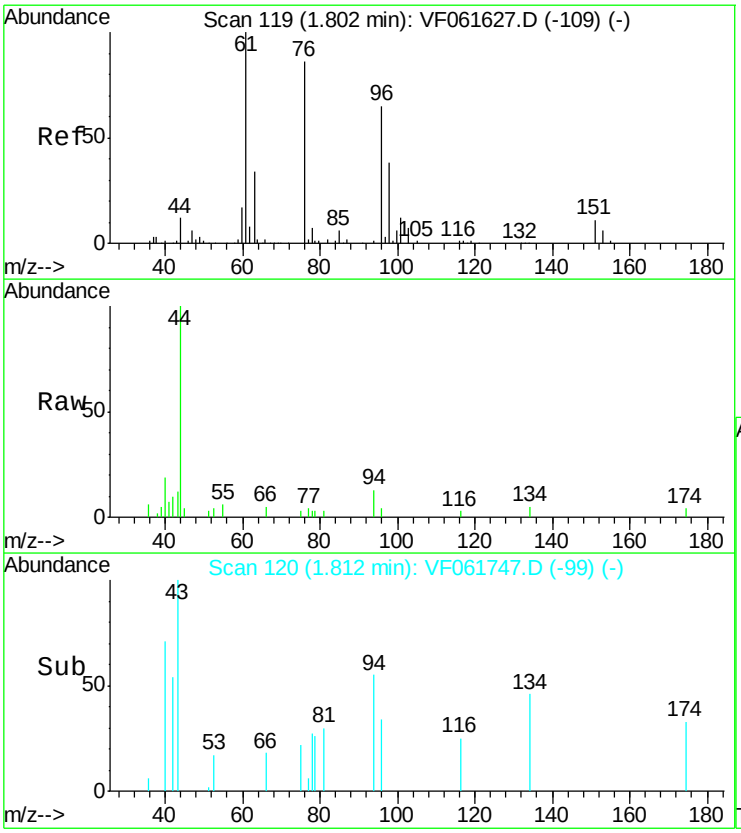
#11
Tert butyl alcohol
Concen: 6.064 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion: 59 Resp: 66

Ion	Ratio	Lower	Upper
59	100		
57	0.0	12.5	18.7#

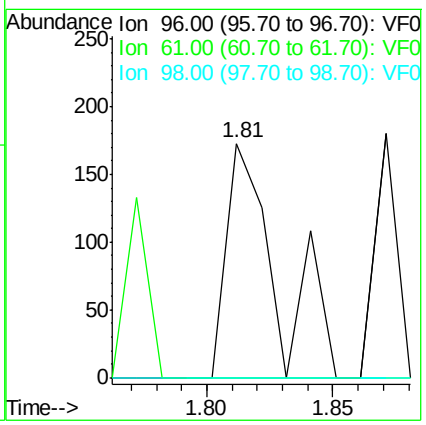


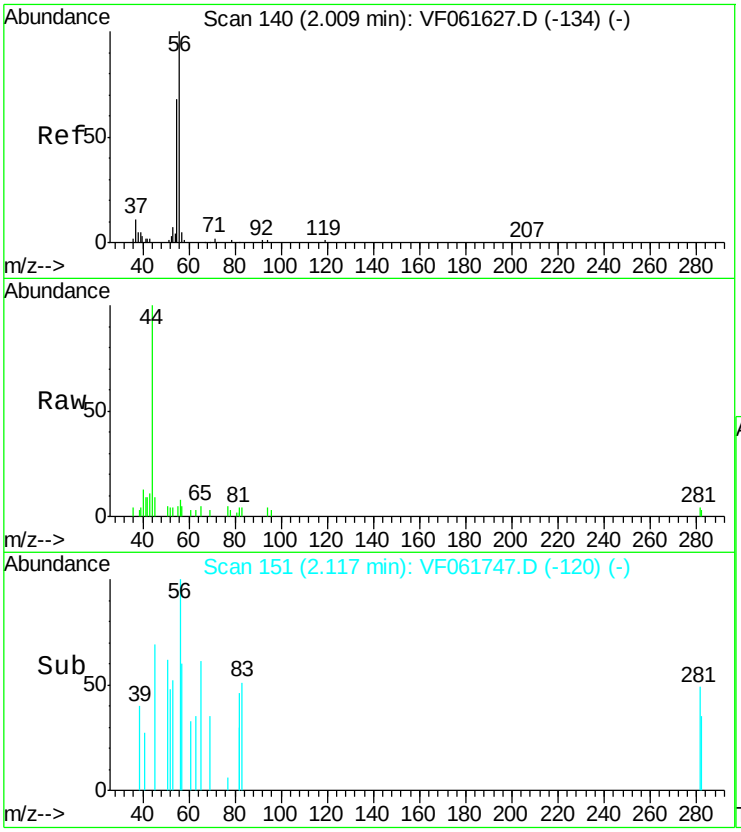


#12
1,1-Dichloroethene
Concen: 1.092 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 96 Resp: 240

Ion	Ratio	Lower	Upper
96	100		
61	0.0	122.6	184.0#
98	0.0	47.2	70.8#



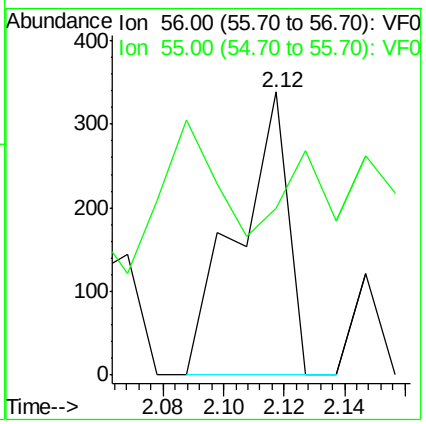


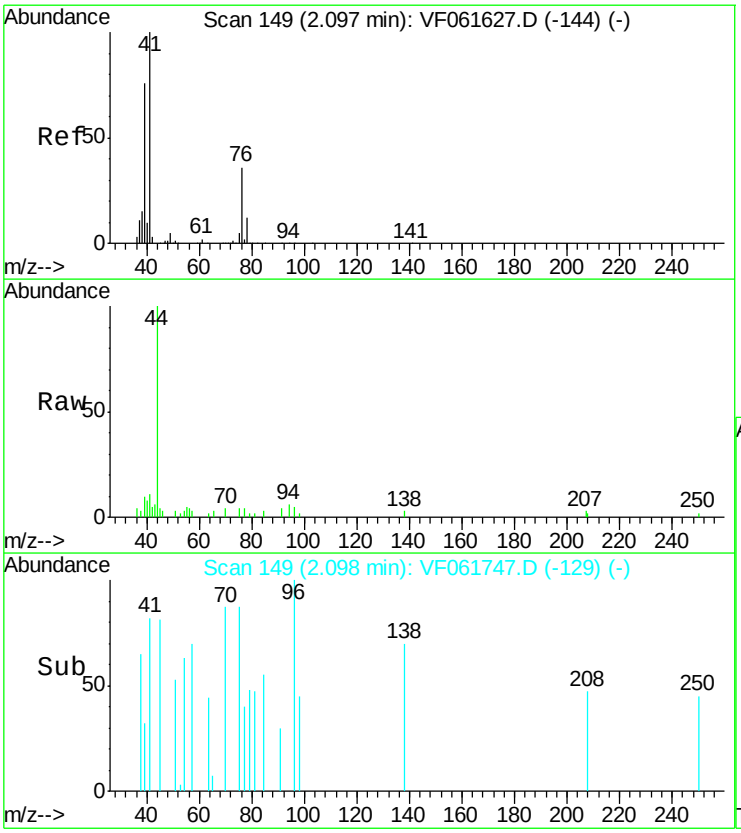
#13
Acrolein
Concen: 28.655 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.11 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion: 56 Resp: 392

Ion	Ratio	Lower	Upper
56	100		
55	58.9	55.0	82.6

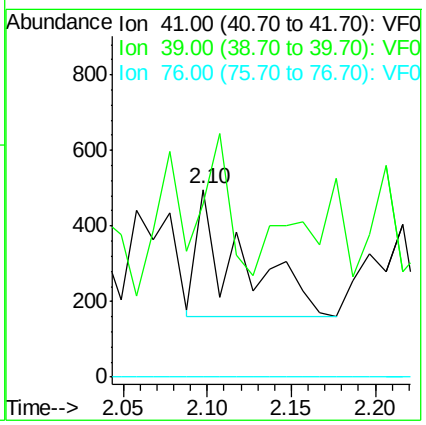


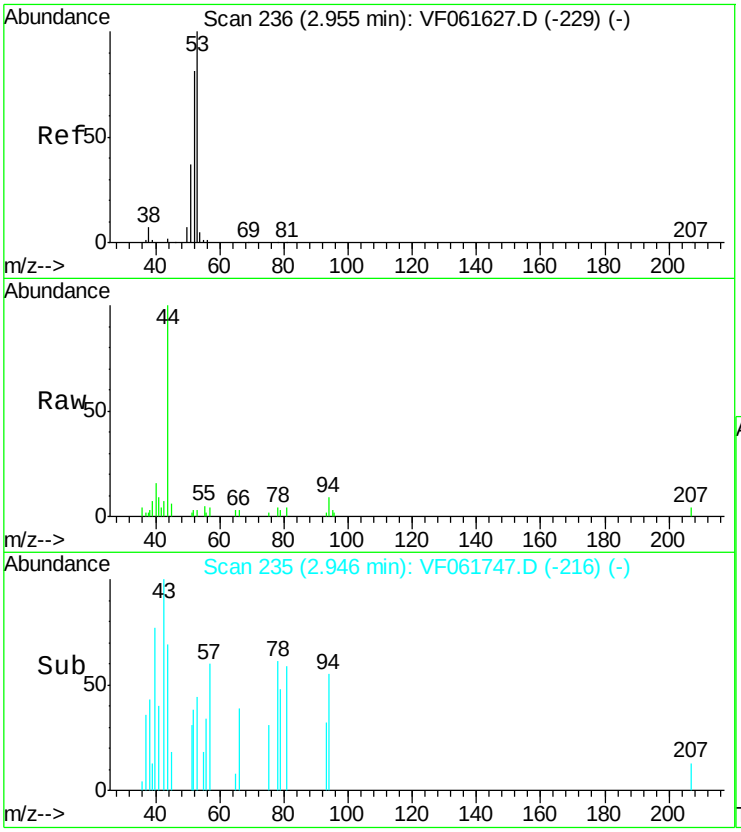


#14
Allyl chloride
Concen: 2.229 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 41 Resp: 601

Ion	Ratio	Lower	Upper
41	100		
39	92.0	61.6	92.4
76	0.0	30.3	45.5#



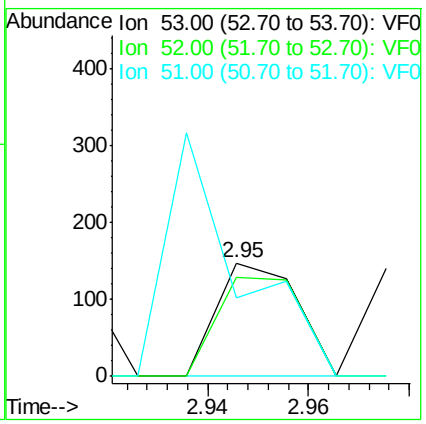


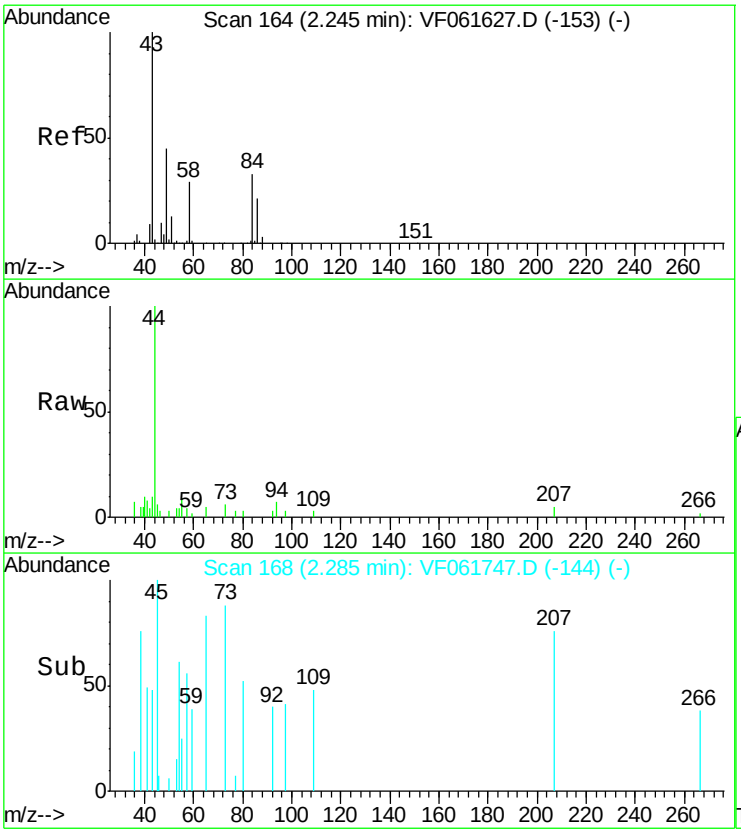
#15
Acrylonitrile
Concen: 4.196 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.01 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
SB-01-(0-6)

Tgt Ion: 53 Resp: 162

Ion	Ratio	Lower	Upper
53	100		
52	87.1	64.6	97.0
51	69.4	29.8	44.8#

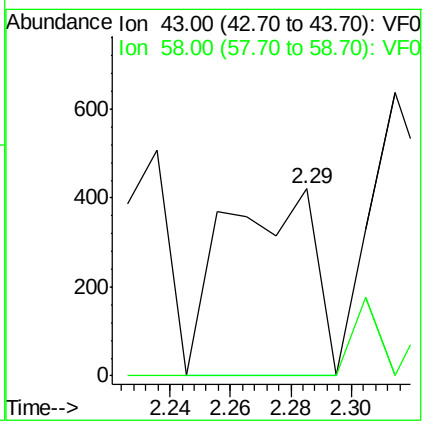


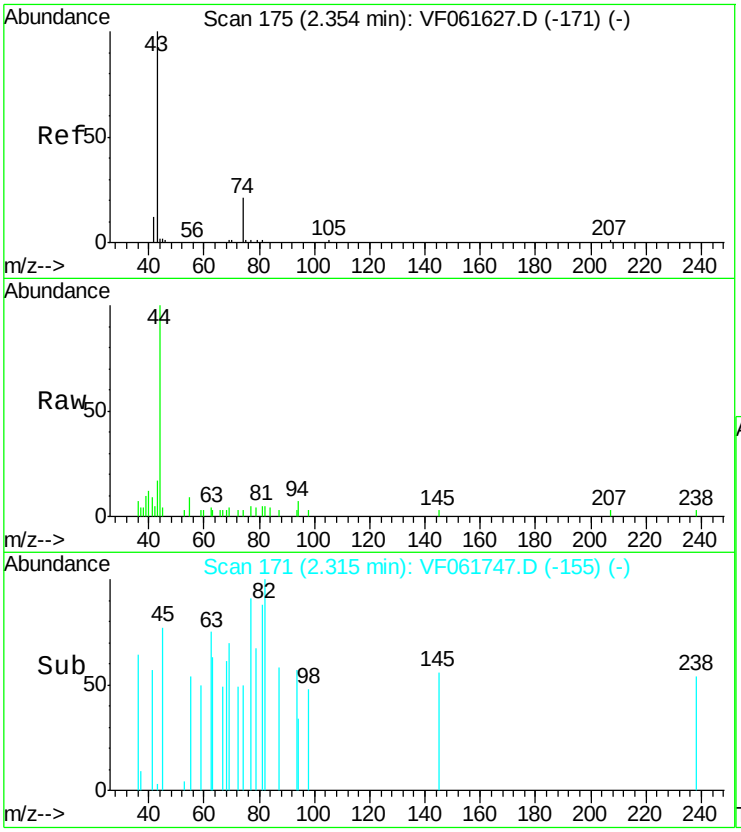


#16
Acetone
Concen: 21.486 ug/l
RT: 2.29 min Scan# 168
Delta R.T. 0.04 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 43 Resp: 867

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.9	34.3#



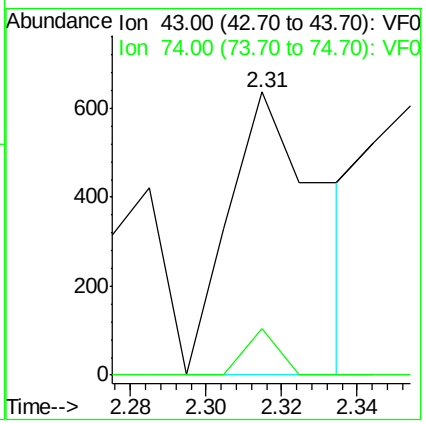


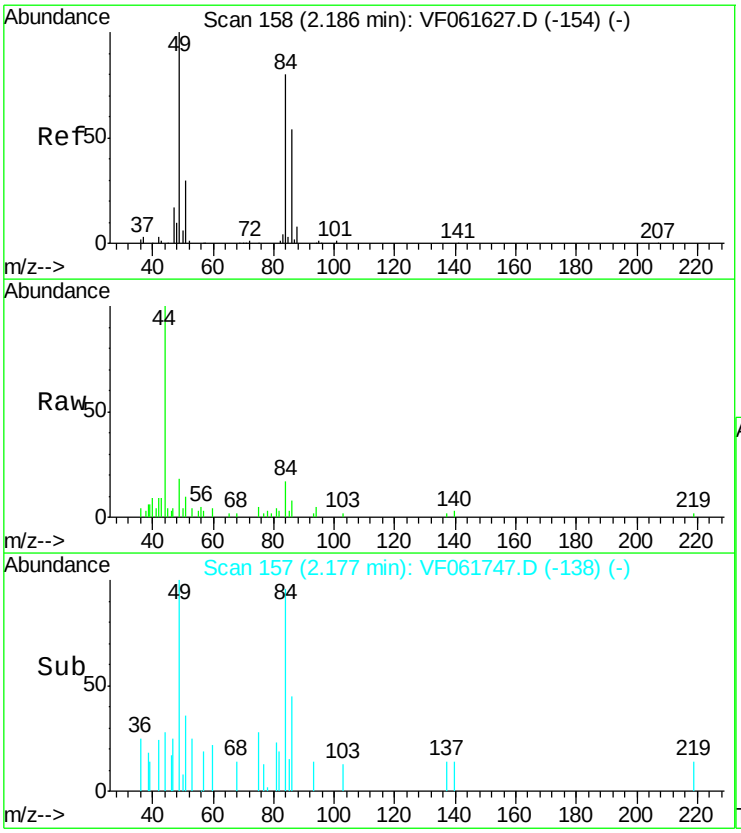
#18
Methyl Acetate
Concen: 11.914 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.04 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
SB-01-(0-6)

Tgt Ion: 43 Resp: 1083

Ion	Ratio	Lower	Upper
43	100		
74	16.5	14.6	21.8

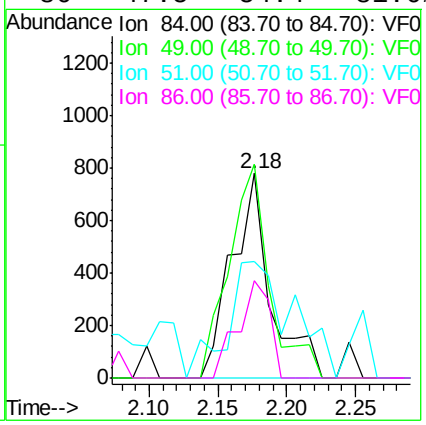


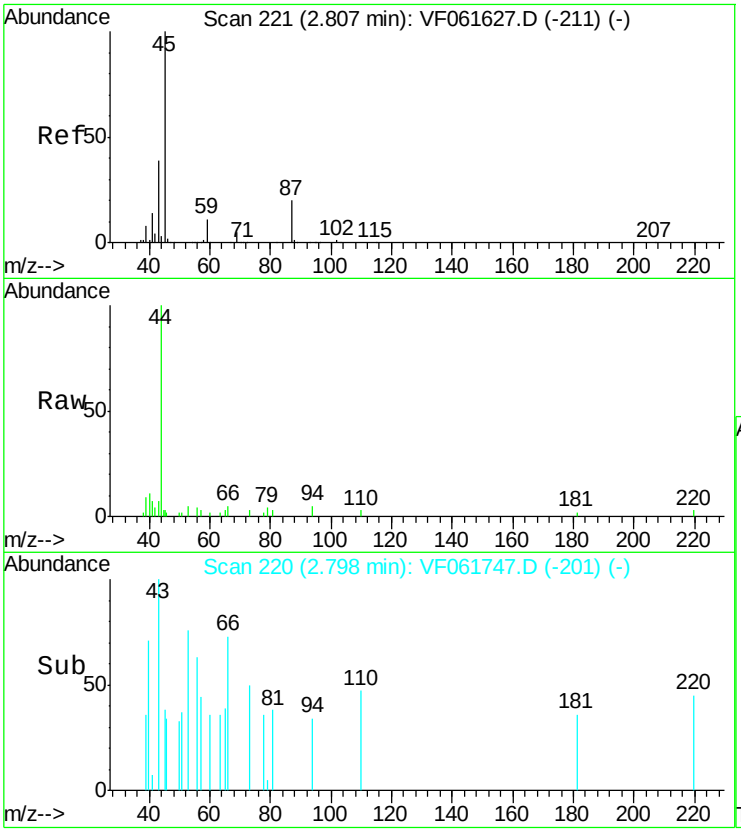


#20
Methylene Chloride
Concen: 4.773 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 84 Resp: 1525

Ion	Ratio	Lower	Upper
84	100		
49	104.5	101.8	152.8
51	56.7	31.1	46.7#
86	47.5	54.4	81.6#



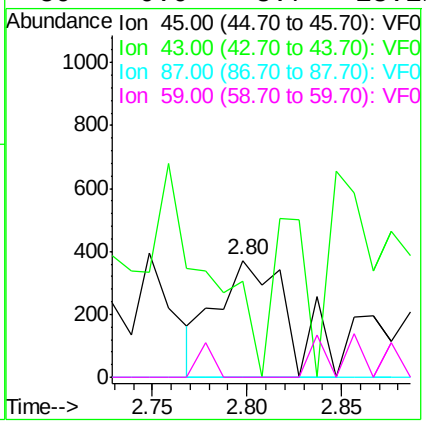


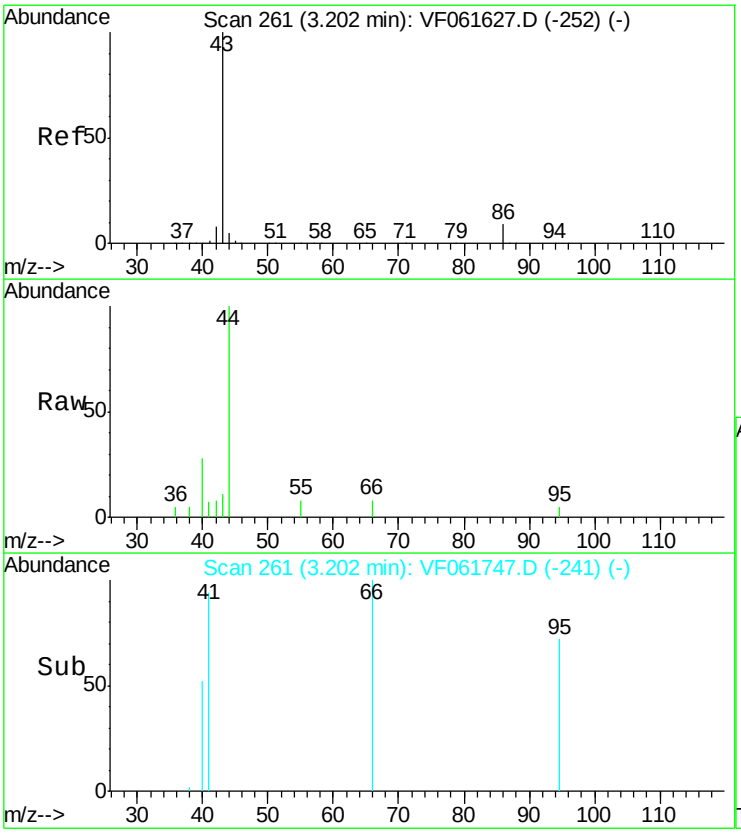
#22
Diisopropyl ether
Concen: 1.552 ug/l
RT: 2.80 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion: 45 Resp: 1005

Ion	Ratio	Lower	Upper
45	100		
43	82.7	31.4	47.2#
87	0.0	16.3	24.5#
59	0.0	8.7	13.1#

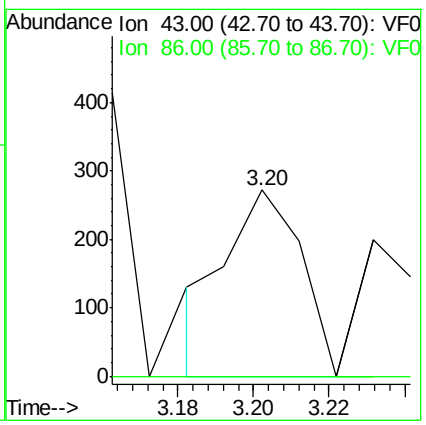


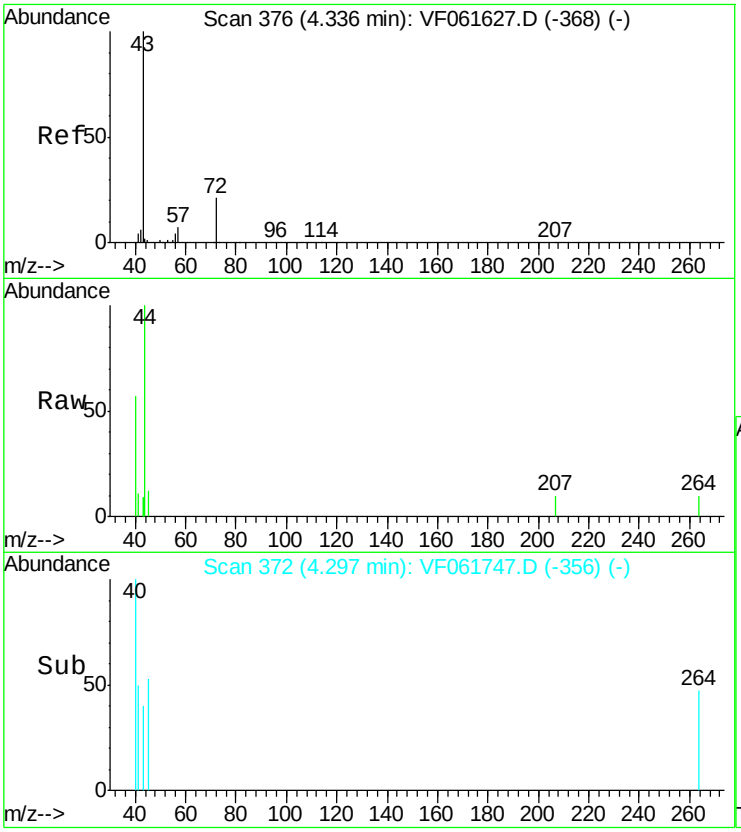


#23
Vinyl Acetate
Concen: 1.180 ug/l
RT: 3.20 min Scan# 261
Delta R.T. 0.00 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 43 Resp: 373

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#



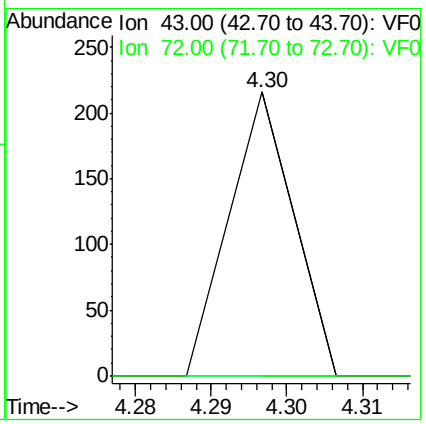


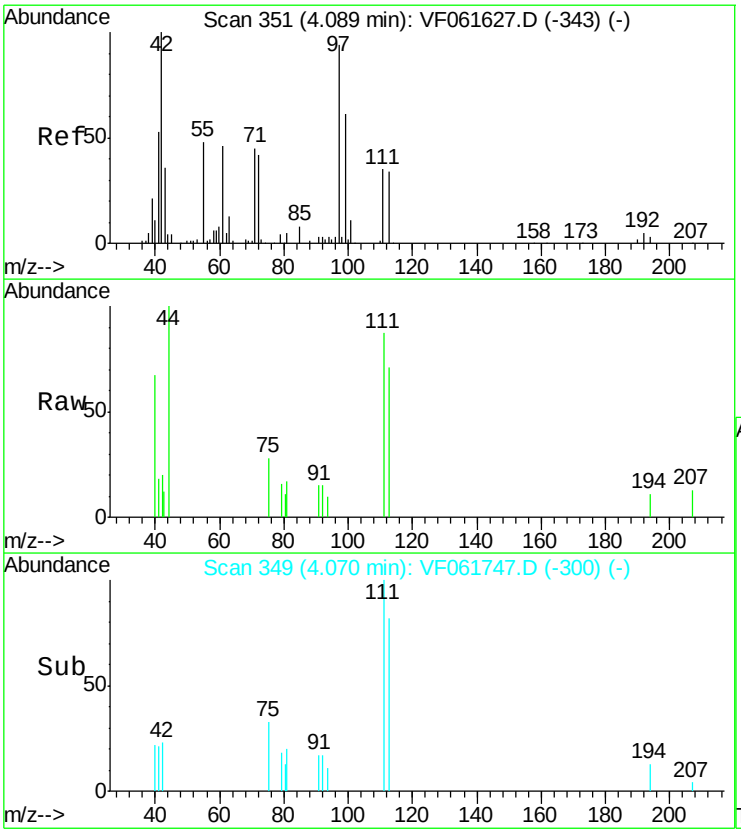
#25
2-Butanone
Concen: 1.452 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.04 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion: 43 Resp: 128

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.1	25.7#

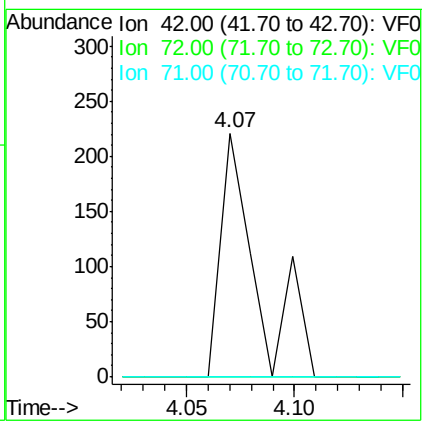


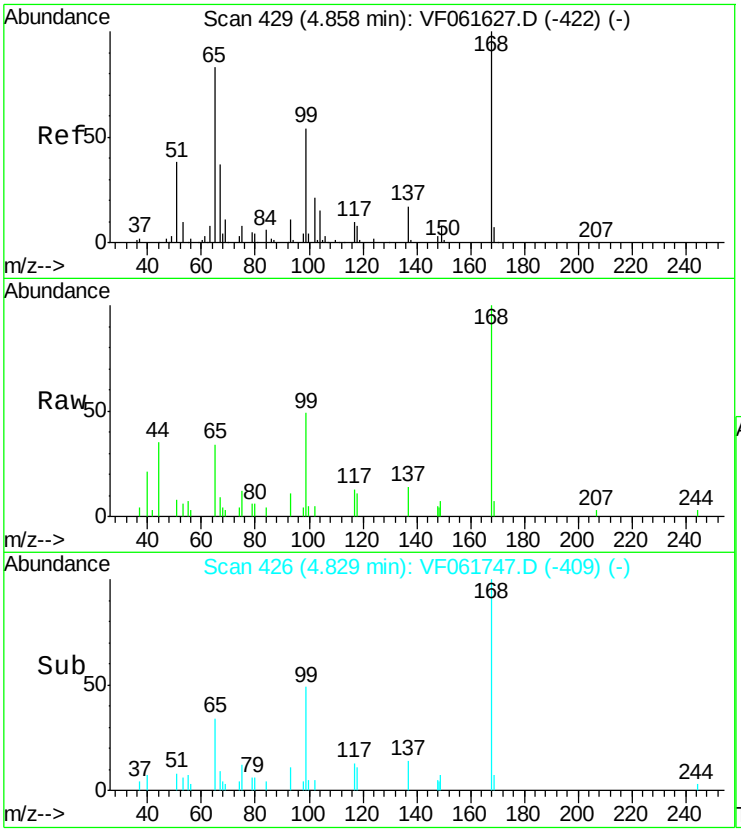


#29
Tetrahydrofuran
Concen: 6.515 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 42 Resp: 261

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.2	52.8#
71	0.0	32.9	49.3#



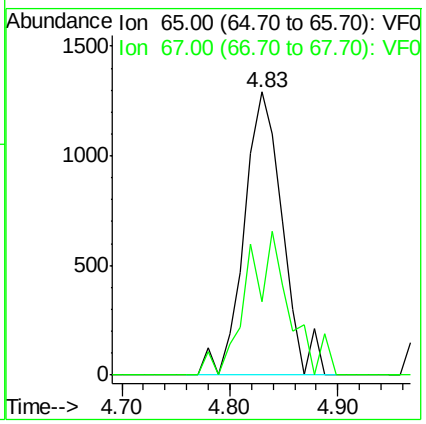


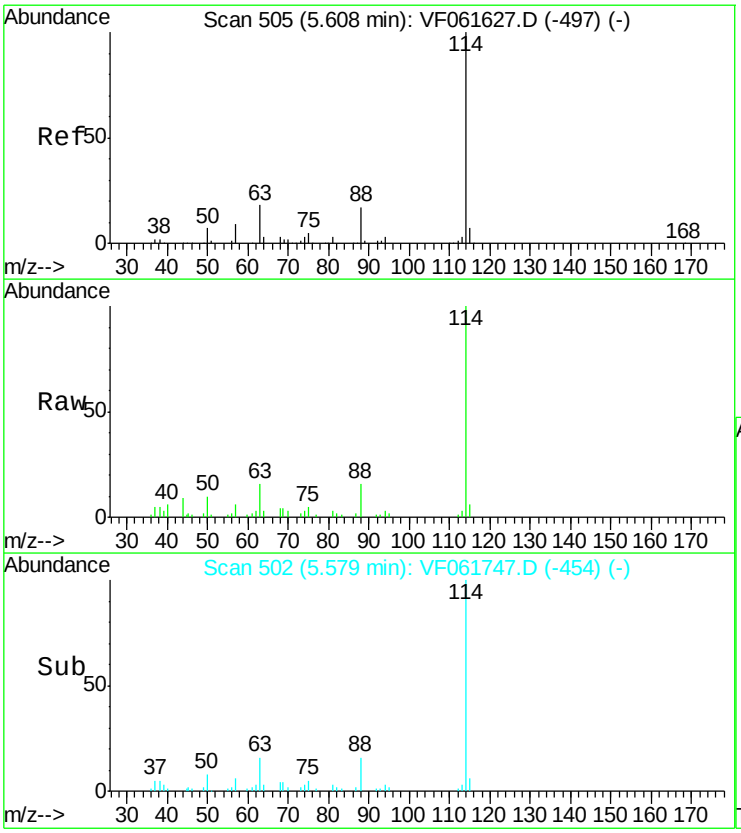
#33
1,2-Dichloroethane-d4
Concen: 16.993 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
SB-01-(0-6)

Tgt Ion: 65 Resp: 3196

Ion	Ratio	Lower	Upper
65	100		
67	25.9	0.0	104.0

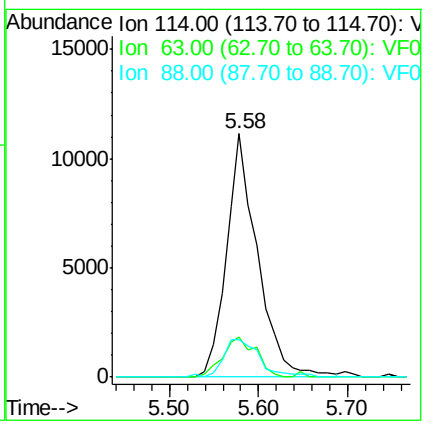


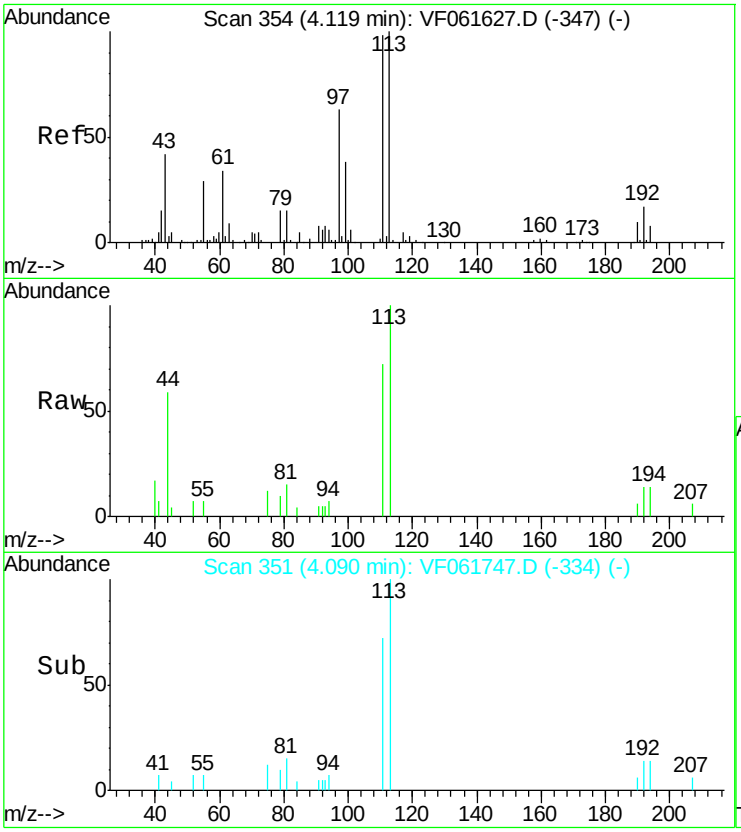


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.03 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion:114 Resp: 27174

Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	36.6
88	15.6	0.0	34.4



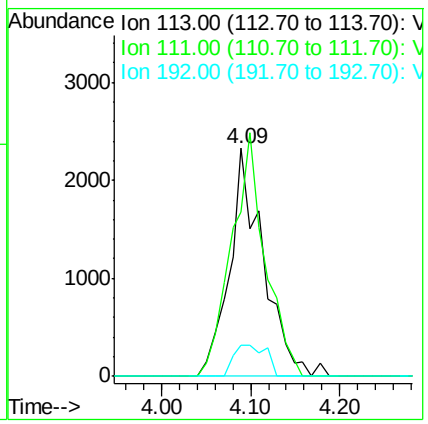


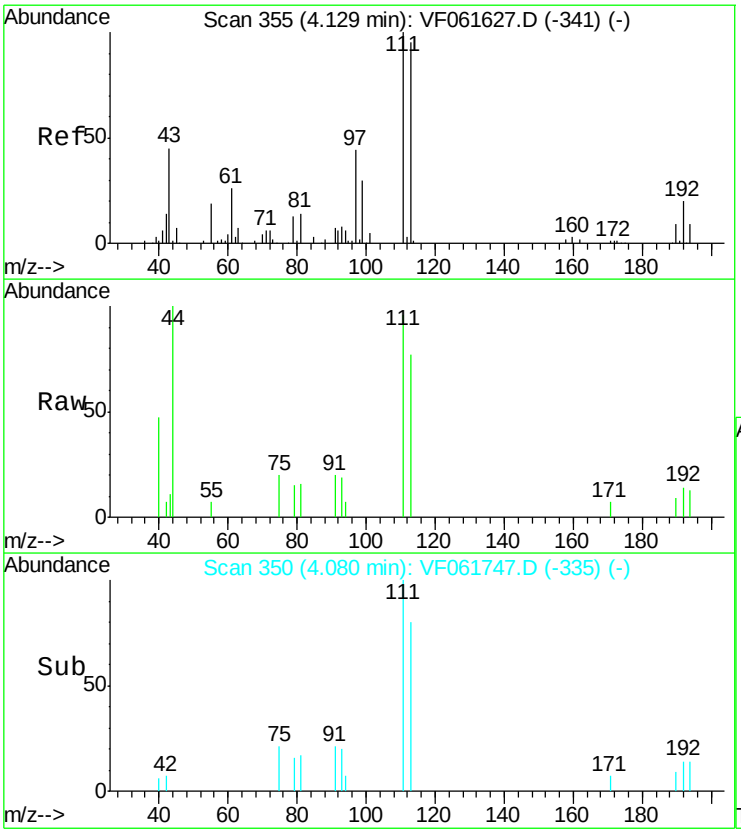
#35
Dibromofluoromethane
Concen: 30.461 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
SB-01-(0-6)

Tgt Ion:113 Resp: 6147

Ion	Ratio	Lower	Upper
113	100		
111	71.7	78.8	118.2#
192	13.5	13.4	20.0

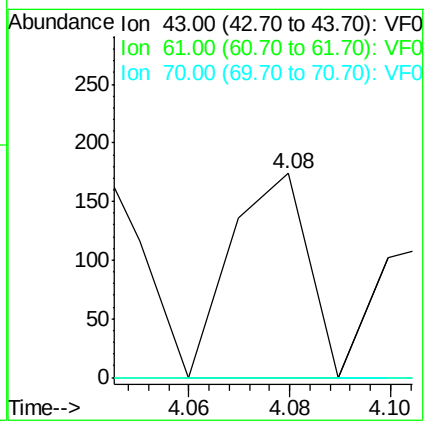


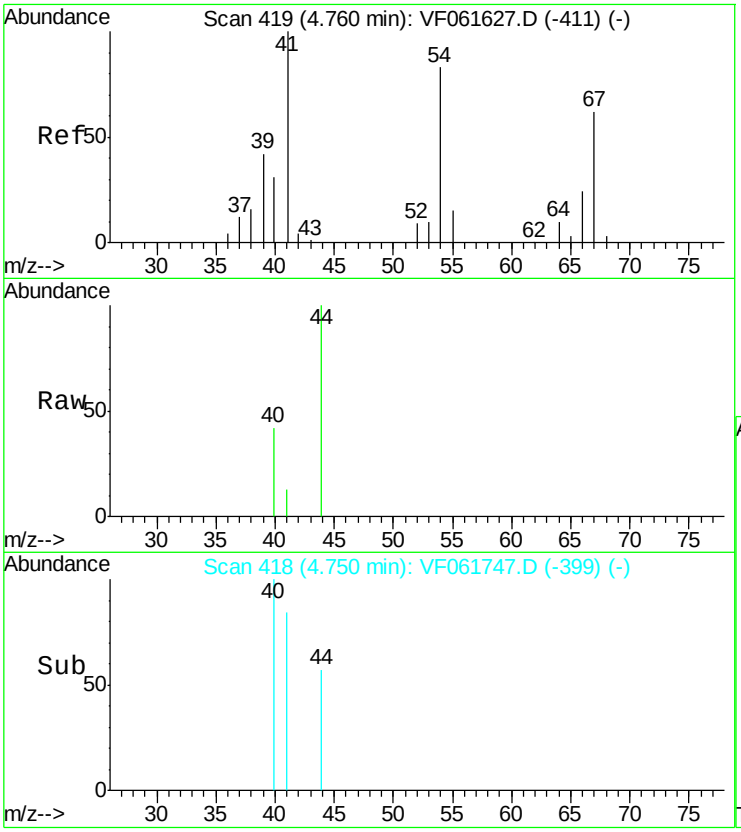


#37
Ethyl Acetate
Concen: 1.464 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.05 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 43 Resp: 183

Ion	Ratio	Lower	Upper
43	100		
61	0.0	45.7	68.5#
70	0.0	8.5	12.7#



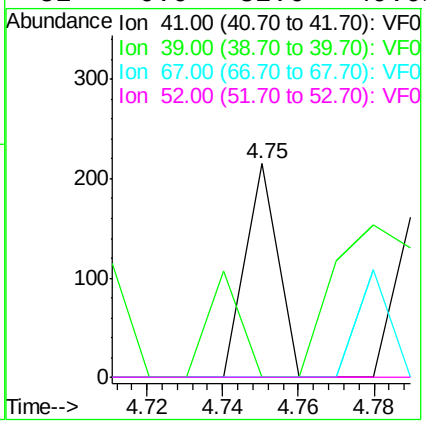


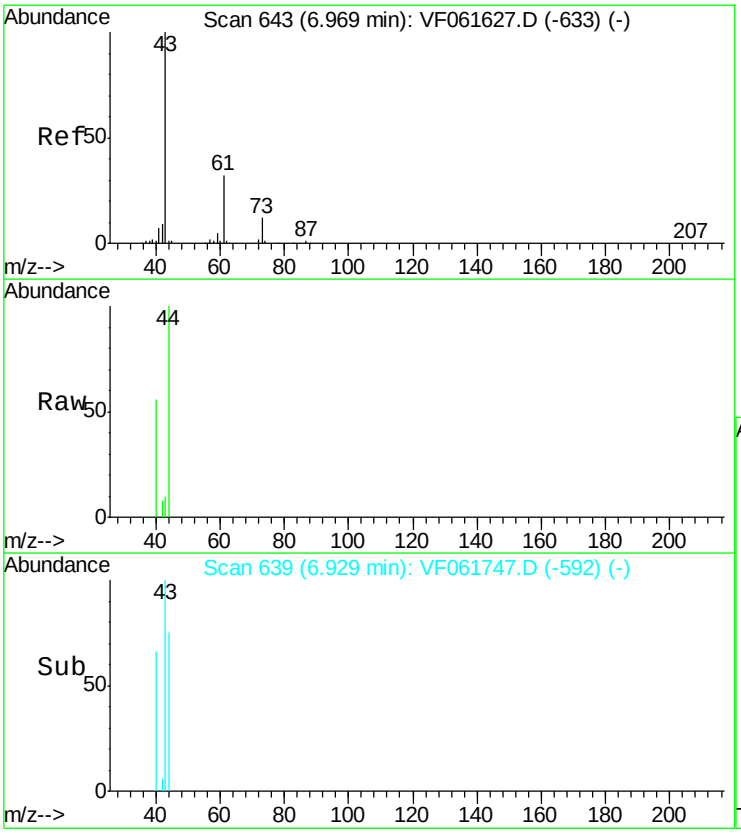
#41
Methacrylonitrile
Concen: 1.986 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion: 41 Resp: 127

Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.3	67.9#
67	0.0	49.3	73.9#
52	0.0	32.6	49.0#

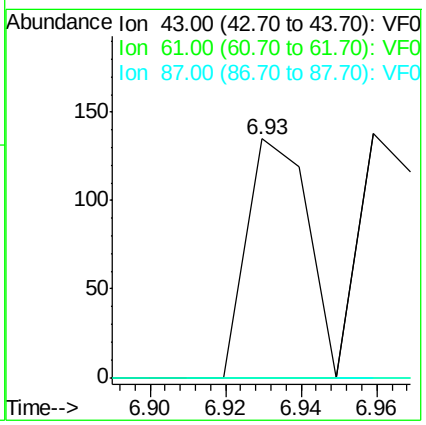


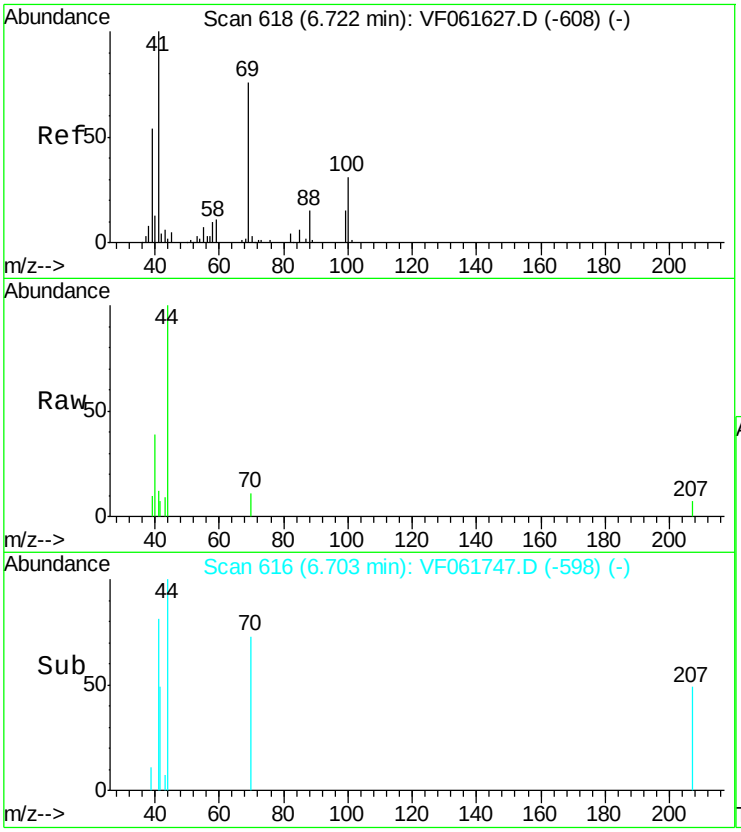


#43
Isopropyl Acetate
Concen: 1.014 ug/l
RT: 6.93 min Scan# 639
Delta R.T. -0.04 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 43 Resp: 150

Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.8	38.6#
87	0.0	0.4	0.6#



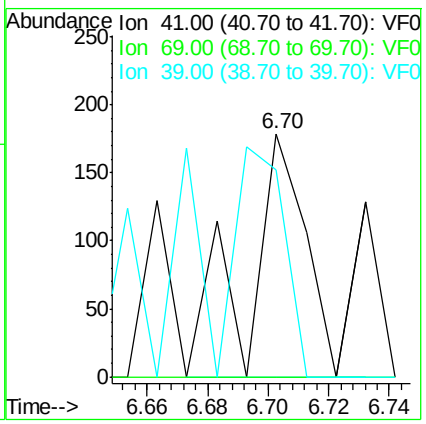


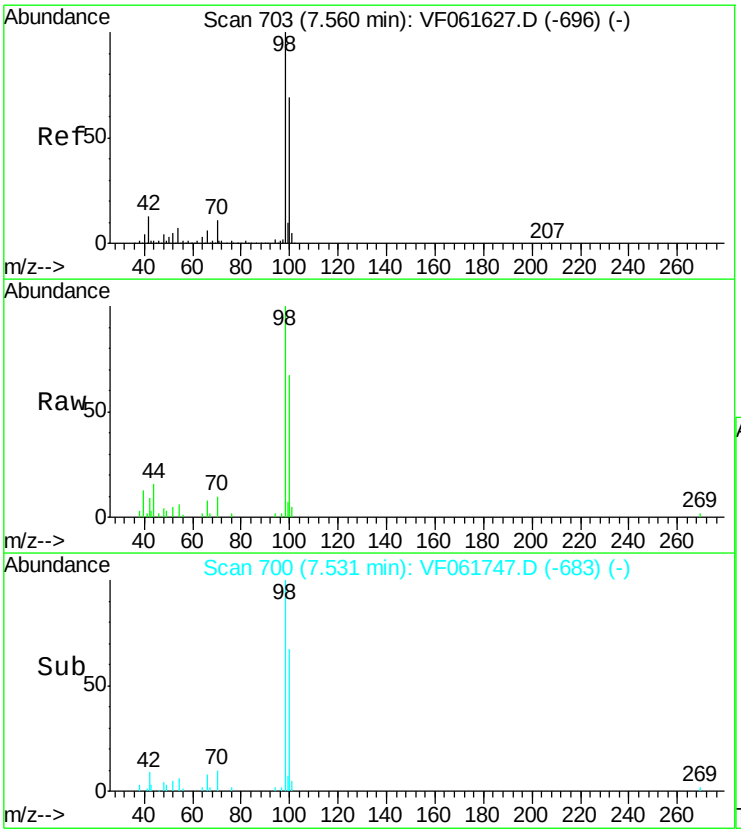
#48
Methyl methacrylate
Concen: 2.661 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion: 41 Resp: 237

Ion	Ratio	Lower	Upper
41	100		
69	0.0	60.4	90.6#
39	52.8	43.7	65.5

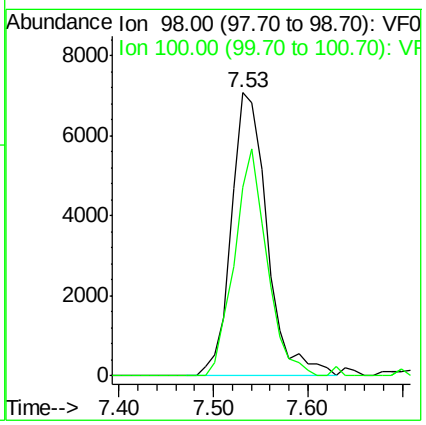


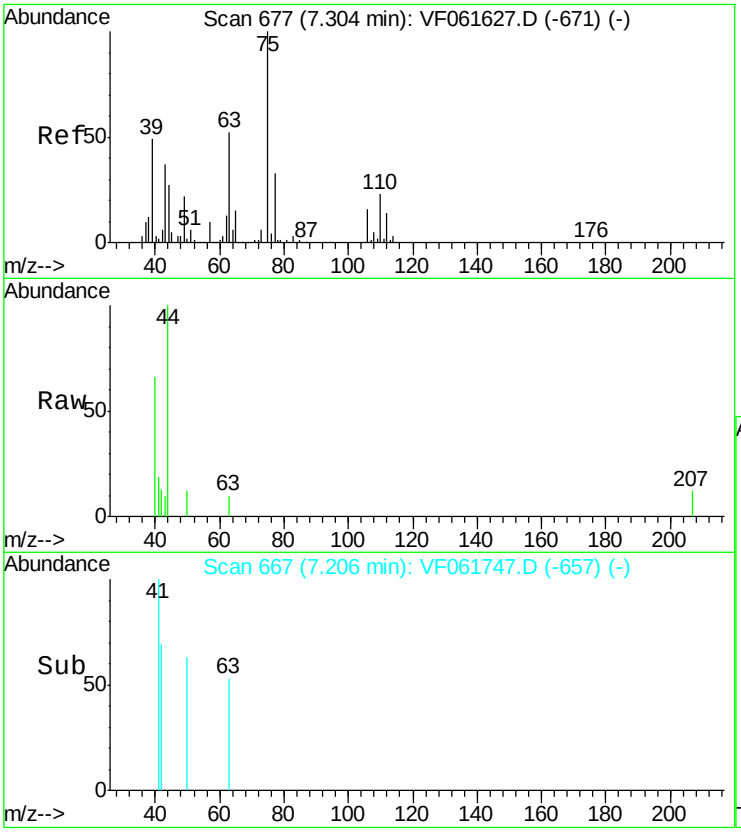


#50
Toluene-d8
Concen: 31.979 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 98 Resp: 18551

Ion	Ratio	Lower	Upper
98	100		
100	66.5	55.4	83.2



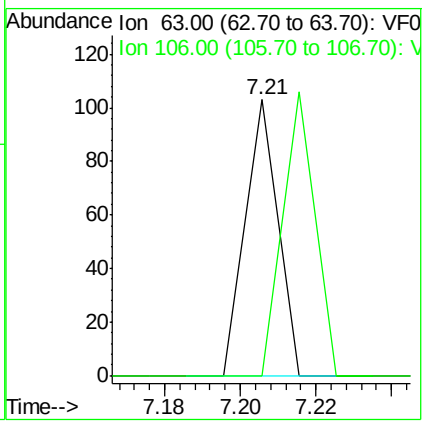


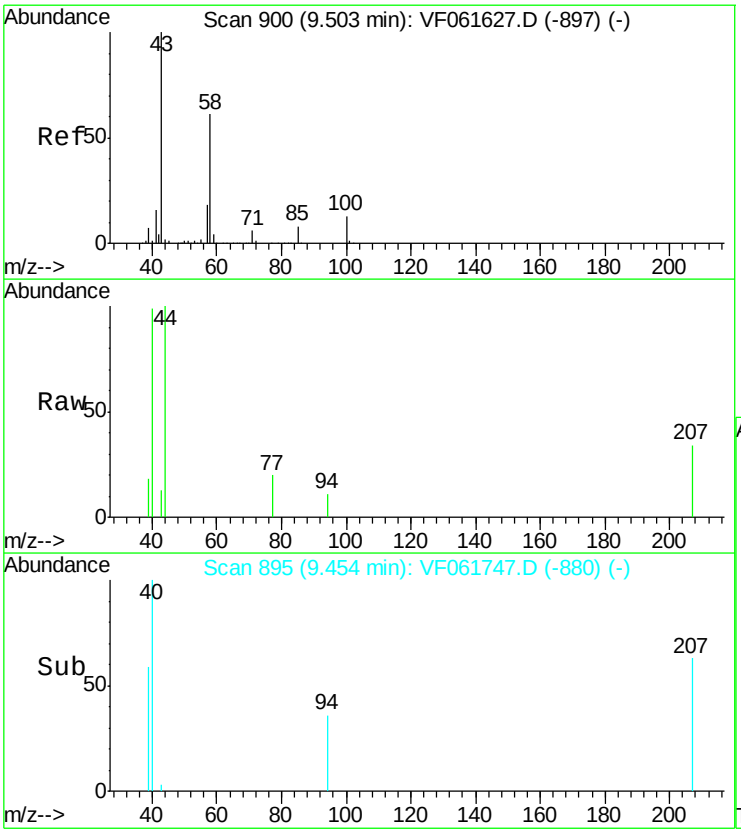
#58
2-Chloroethyl Vinyl ether
Concen: 2.531 ug/l
RT: 7.21 min Scan# 667
Delta R.T. -0.10 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
SB-01-(0-6)

Tgt Ion: 63 Resp: 61

Ion	Ratio	Lower	Upper
63	100		
106	0.0	24.6	36.8#

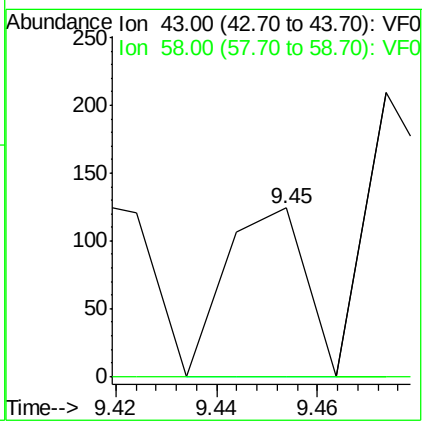


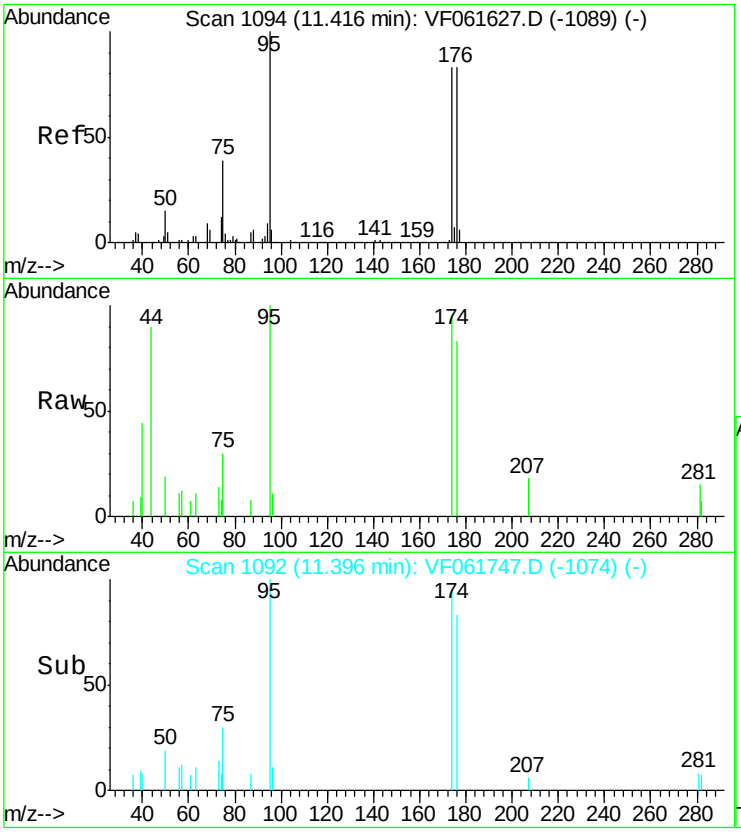


#59
2-Hexanone
Concen: 1.835 ug/l
RT: 9.45 min Scan# 895
Delta R.T. -0.05 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 43 Resp: 136

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.5	85.5#



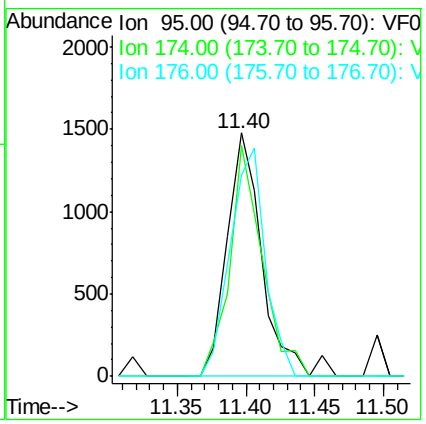


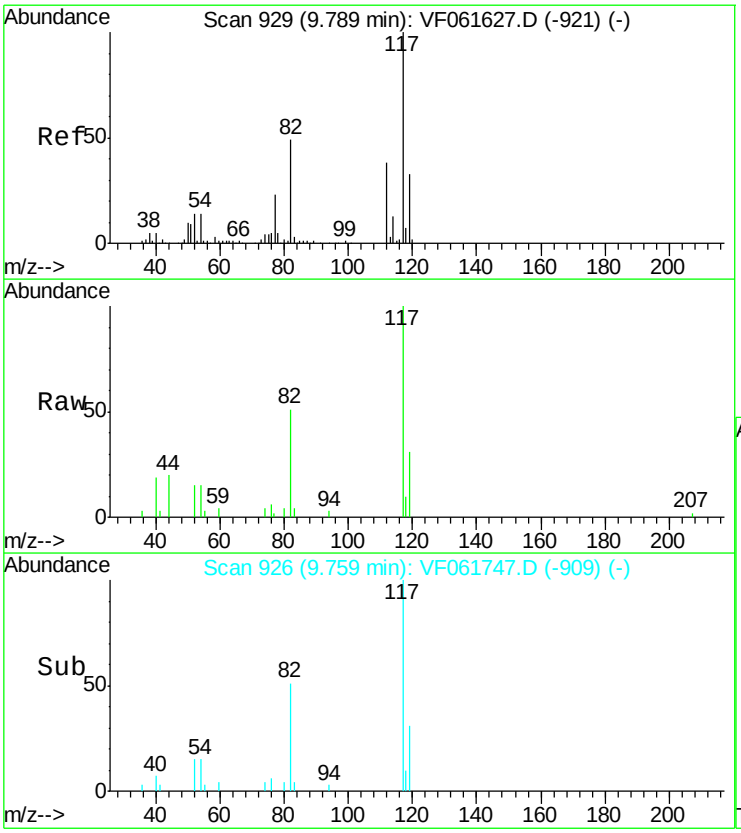
#62
4-Bromofluorobenzene
Concen: 11.205 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
SB-01-(0-6)

Tgt Ion: 95 Resp: 2630

Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	165.8
176	82.7	0.0	167.0

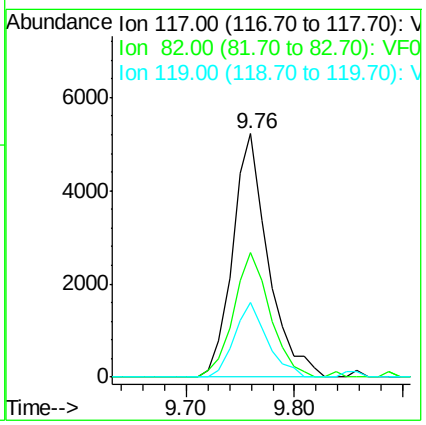


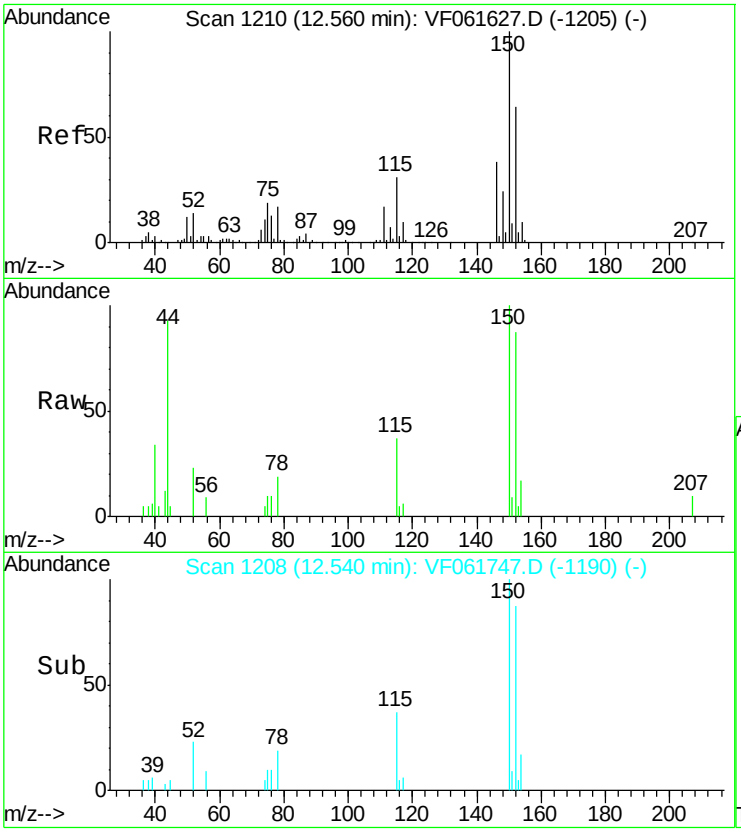


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion:117 Resp: 11900

Ion	Ratio	Lower	Upper
117	100		
82	51.2	39.3	58.9
119	30.8	26.6	40.0



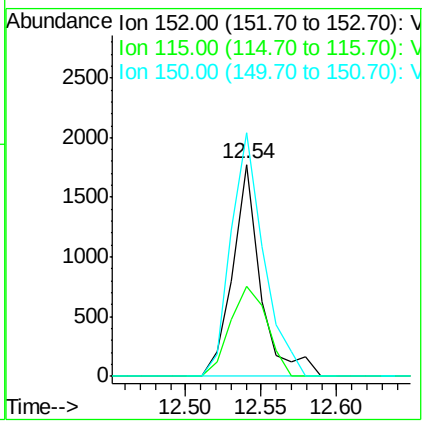


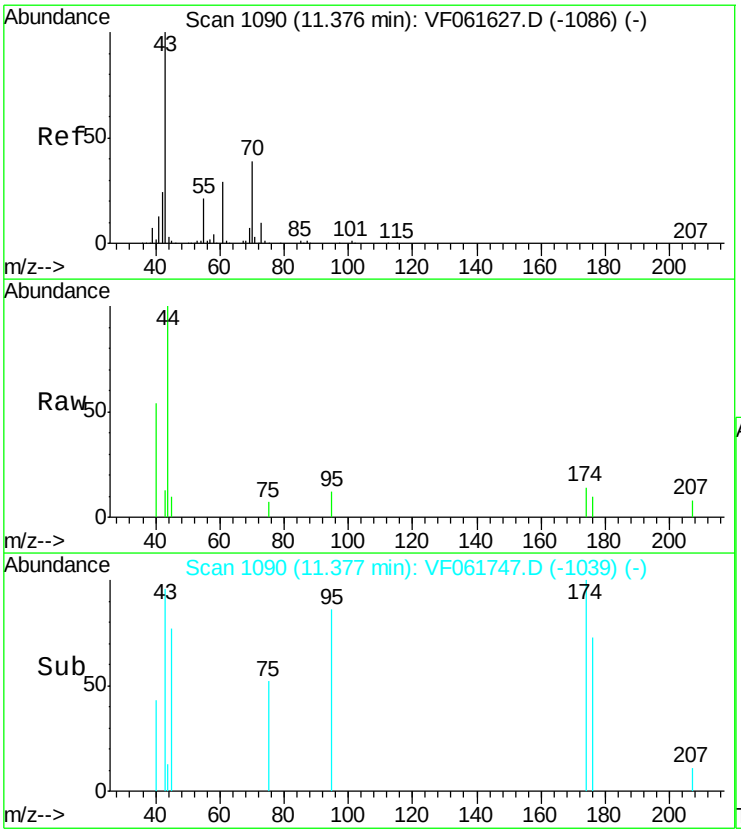
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion:152 Resp: 2295

Ion	Ratio	Lower	Upper
152	100		
115	42.7	24.3	72.8
150	115.1	0.0	312.0

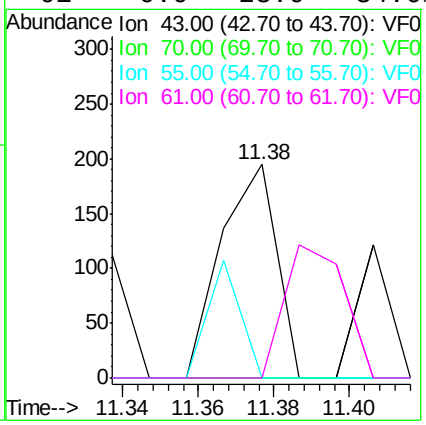


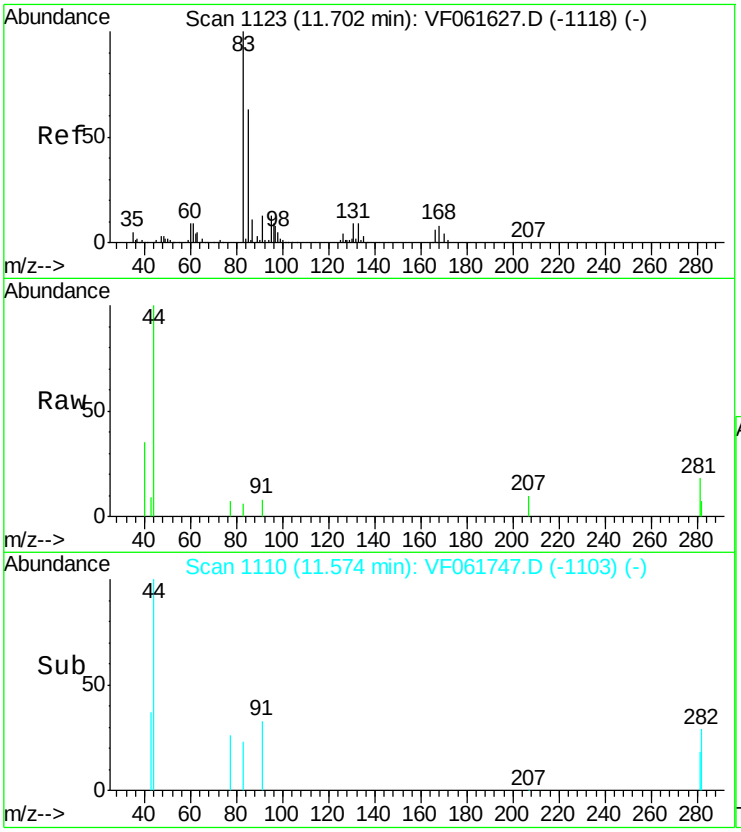


#74
N-amyl acetate
Concen: 4.997 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 43 Resp: 196

Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.5	47.3#
55	0.0	16.7	25.1#
61	0.0	23.0	34.6#



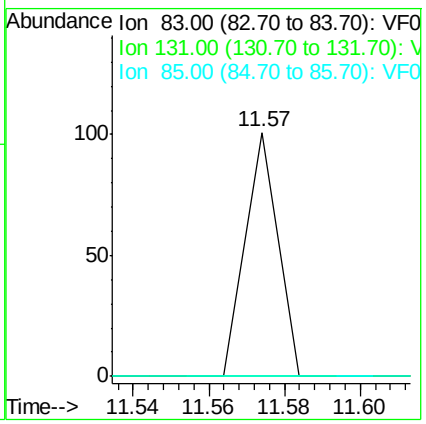


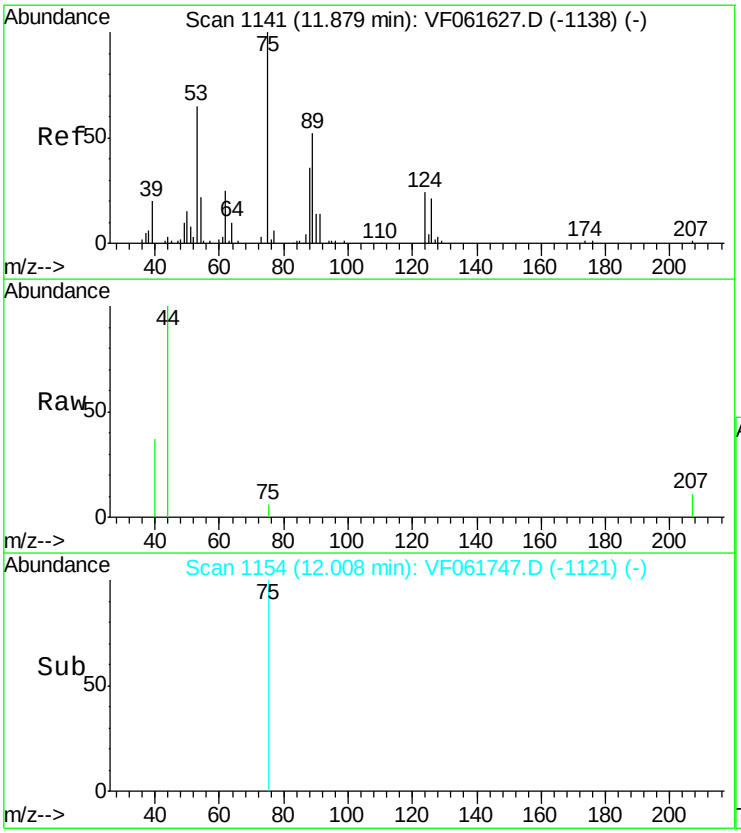
#75
1,1,2,2-Tetrachloroethane
Concen: 2.050 ug/l
RT: 11.57 min Scan# 1110
Delta R.T. -0.13 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion: 83 Resp: 60

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.4	13.2#
85	0.0	31.5	94.5#

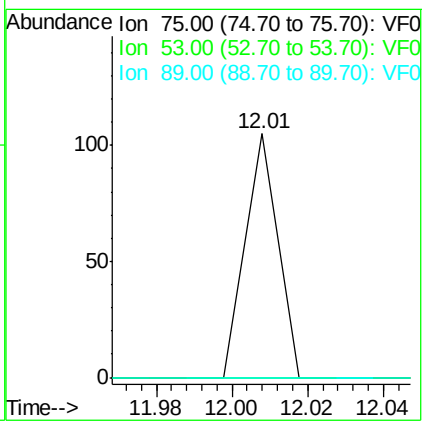


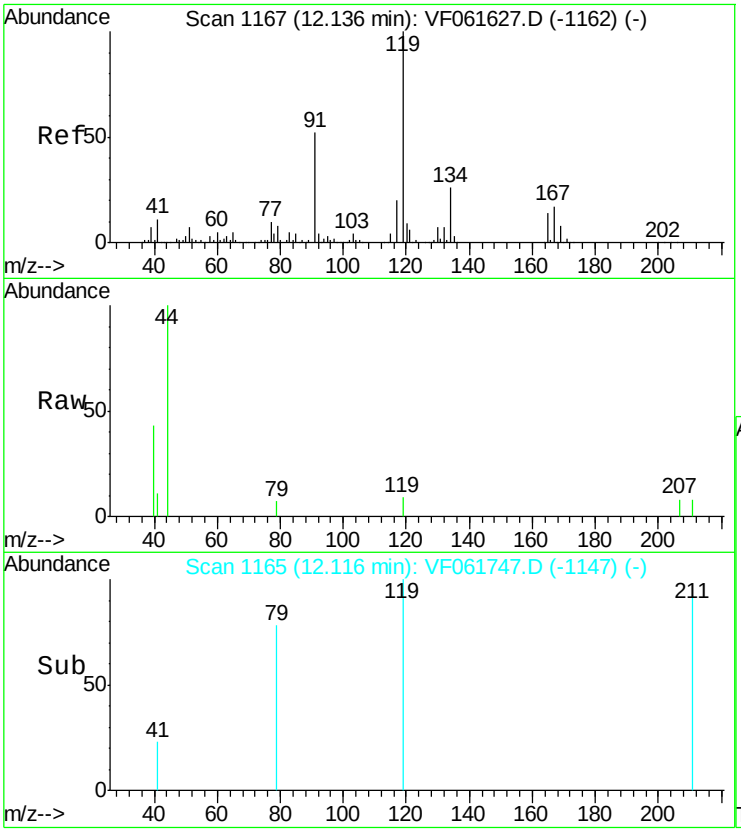


#81
trans-1,4-Dichloro-2-butene
Concen: 6.498 ug/l
RT: 12.01 min Scan# 1154
Delta R.T. 0.13 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 75 Resp: 62

Ion	Ratio	Lower	Upper
75	100		
53	0.0	53.7	80.5#
89	0.0	41.6	62.4#



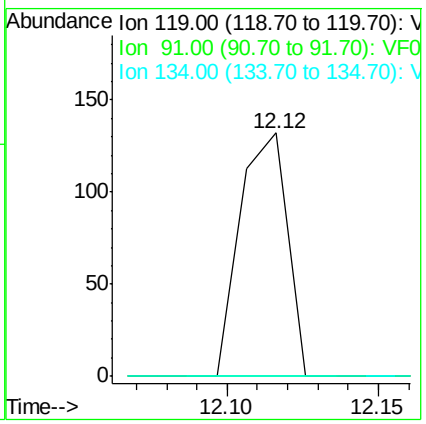


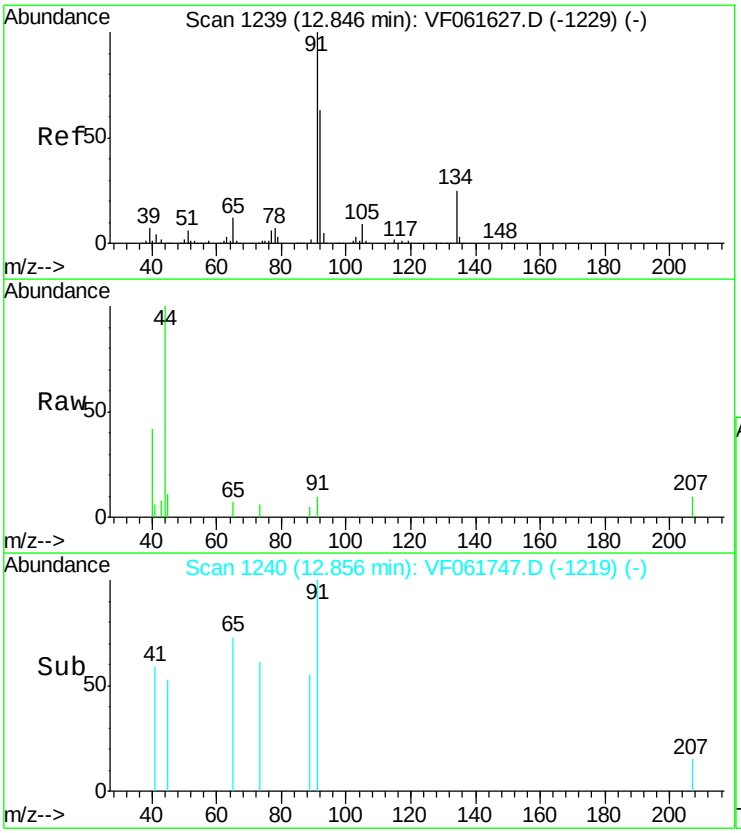
#83
tert-Butylbenzene
Concen: 1.002 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument : MSVOA_F
ClientSampleId : SB-01-(0-6)

Tgt Ion:119 Resp: 145

Ion	Ratio	Lower	Upper
119	100		
91	0.0	26.3	78.8#
134	0.0	12.9	38.7#

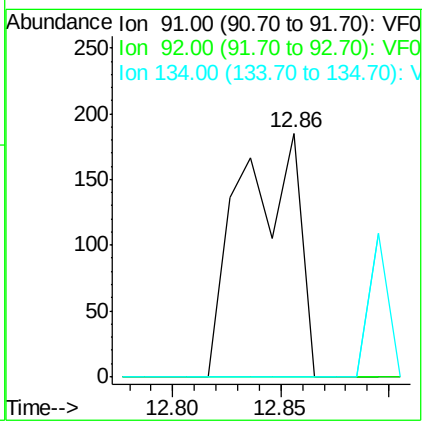


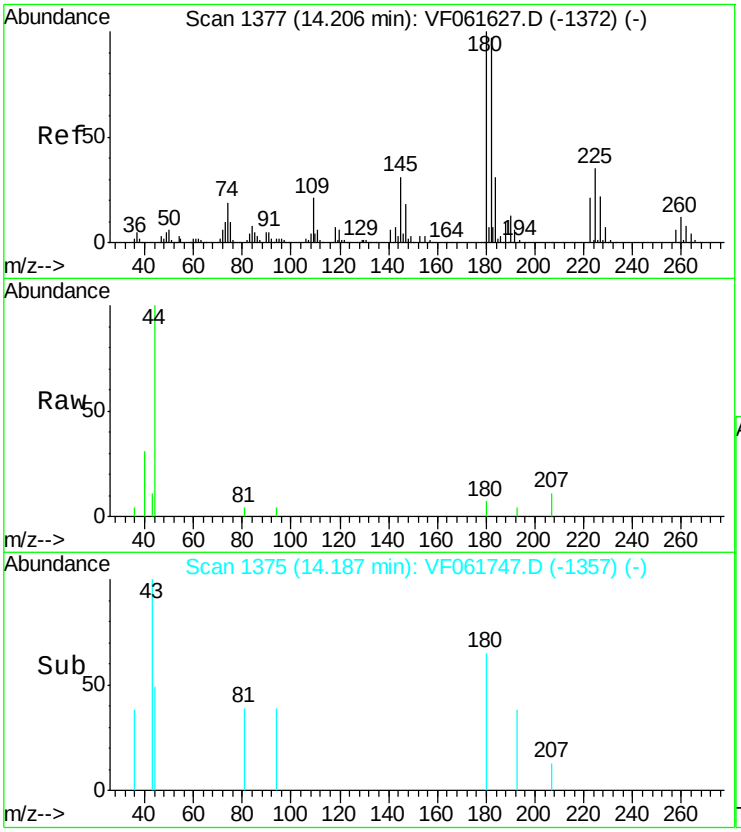


#89
n-Butylbenzene
Concen: 2.361 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion: 91 Resp: 350

Ion	Ratio	Lower	Upper
91	100		
92	0.0	31.4	94.3#
134	0.0	12.3	36.9#



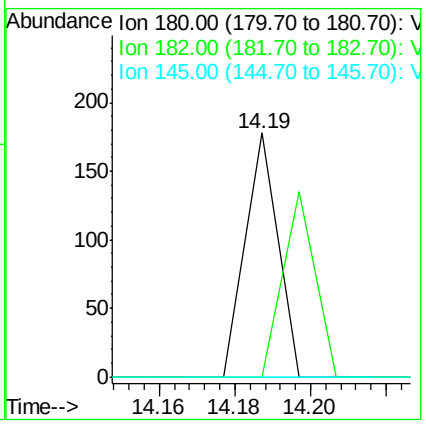


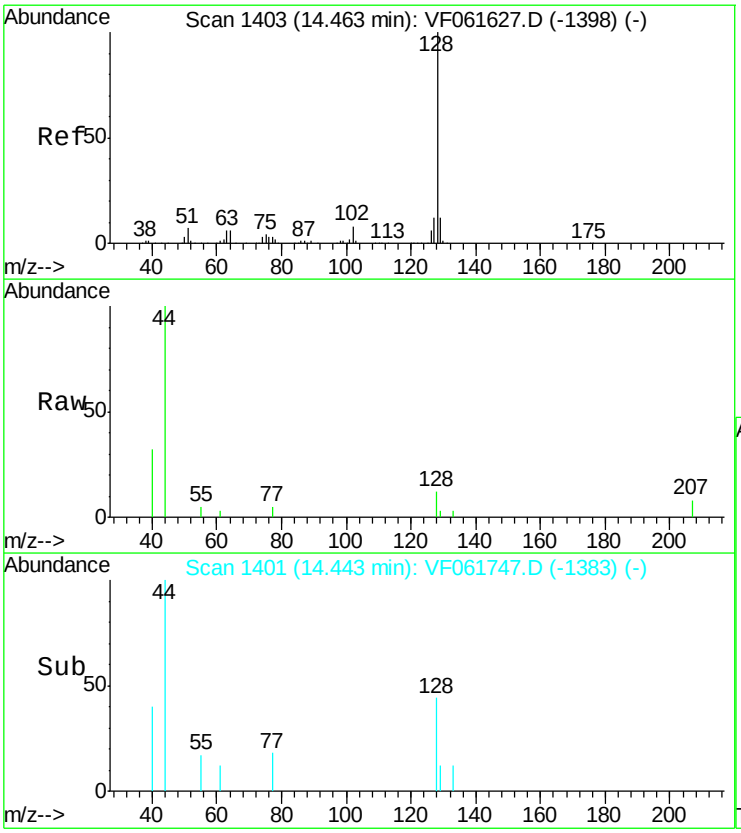
#93
1,2,4-Trichlorobenzene
Concen: 1.957 ug/l
RT: 14.19 min Scan# 1375
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
SB-01-(0-6)

Tgt Ion:180 Resp: 105

Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.6	145.9#
145	0.0	15.3	45.9#

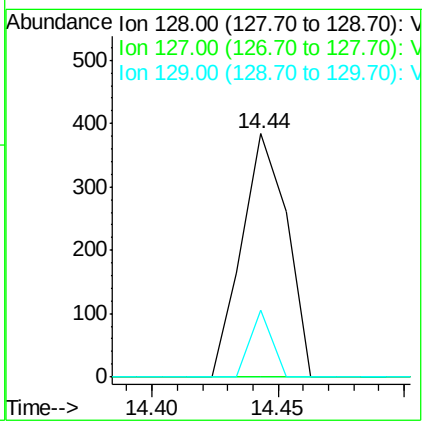


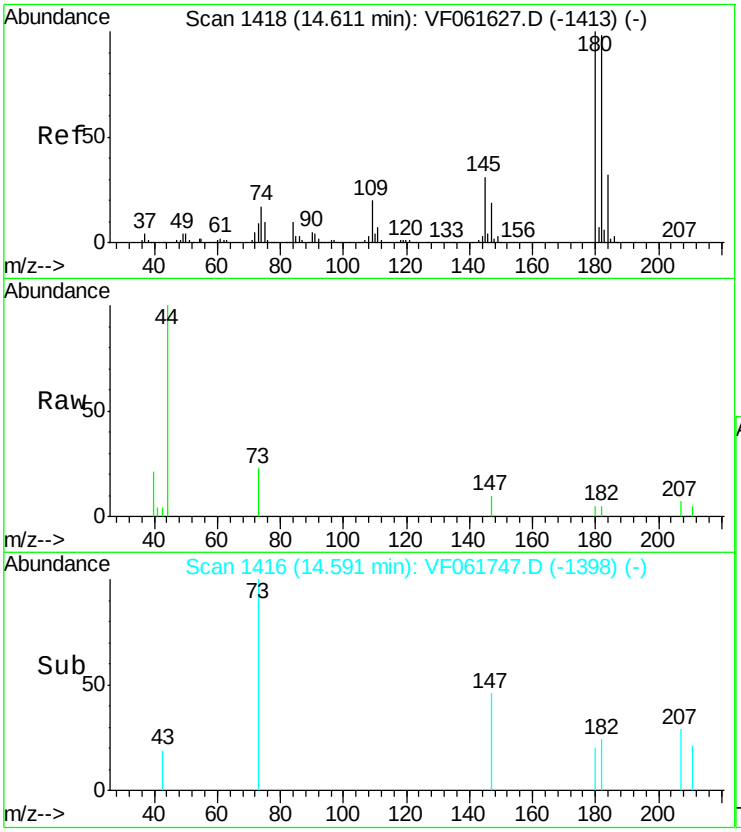


#95
Naphthalene
Concen: 5.103 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Tgt Ion:128 Resp: 479

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.8	14.6#
129	27.3	9.4	14.2#





#96
1,2,3-Trichlorobenzene
Concen: 1.421 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF061747.D
Acq: 26 Feb 2019 18:01

Instrument :
MSVOA_F
ClientSampleId :
SB-01-(0-6)

Tgt Ion:180 Resp: 70

Ion	Ratio	Lower	Upper
180	100		
182	117.8	49.0	147.2
145	0.0	15.4	46.1#