Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
Data File : VF061982.D
Acq On : 16 Mar 2019 18:28
Operator : VA/AP
Sample : K1861-01
Misc : 5.08g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BF-06-031119

Quant Time: Mar 18 07:38:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.87
34) 1,4-Difluorobenzene	6.05	114	78	50.00	ug/l	0.45
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	12.55	152	67	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.79	65	63	0.00	ug/l	-0.05
Spiked Amount 50.000			Recovery =	0.00%		
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
37) Ethyl Acetate	4.47	43	75	237.137	ug/l #	19
40) Benzene	5.03	78	66	35.362	ug/l #	52
41) Methacrylonitrile	5.13	41	98	579.961	ug/l #	22
43) Isopropyl Acetate	7.45	43	64	171.031	ug/l #	38
46) Dibromomethane	6.72	93	66	251.178	ug/l #	3
48) Methyl methacrylate	7.26	41	91	376.276	ug/l #	20
49) 1,4-Dioxane	7.39	88	69	32075.080	ug/l #	15
51) 4-Methyl-2-Pentanone	8.93	43	66	248.377	ug/l #	36
56) Ethyl methacrylate	9.12	69	76	210.054	ug/l #	24
59) 2-Hexanone	10.22	43	197	1024.405	ug/l #	23
74) N-amyl acetate	11.37	43	150	141.427	ug/l #	43
76) 1,2,3-Trichloropropane	11.92	75	64	119.793	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.92	75	64	270.786	ug/l #	24
82) 4-Chlorotoluene	11.90	91	83	27.320	ug/l #	39
84) 1,2,4-Trimethylbenzene	12.31	105	61	16.288	ug/l #	26
85) sec-Butylbenzene	12.31	105	61	11.546	ug/l #	57
87) 1,3-Dichlorobenzene	12.60	146	127	60.281	ug/l #	26
88) 1,4-Dichlorobenzene	12.60	146	127	62.630	ug/l #	25
89) n-Butylbenzene	12.85	91	86	20.760	ug/l #	27
90) Hexachloroethane	13.03	117	61	60.632	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	13.57	75	63	513.844	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	98	72.122	ug/l #	61
95) Naphthalene	14.47	128	717	293.391	ug/l #	70

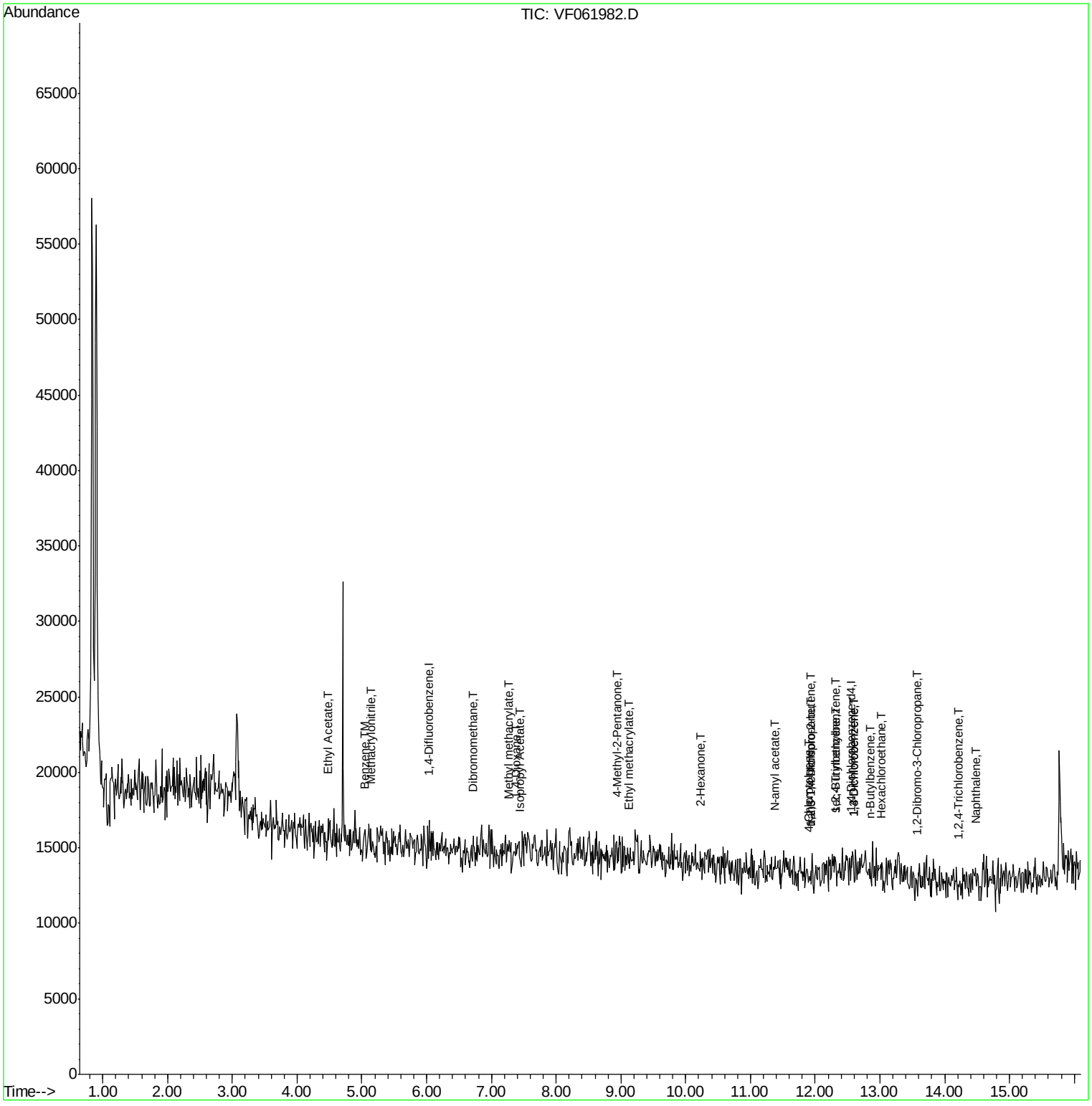
(#) = qualifier out of range (m) = manual integration (+) = signals summed

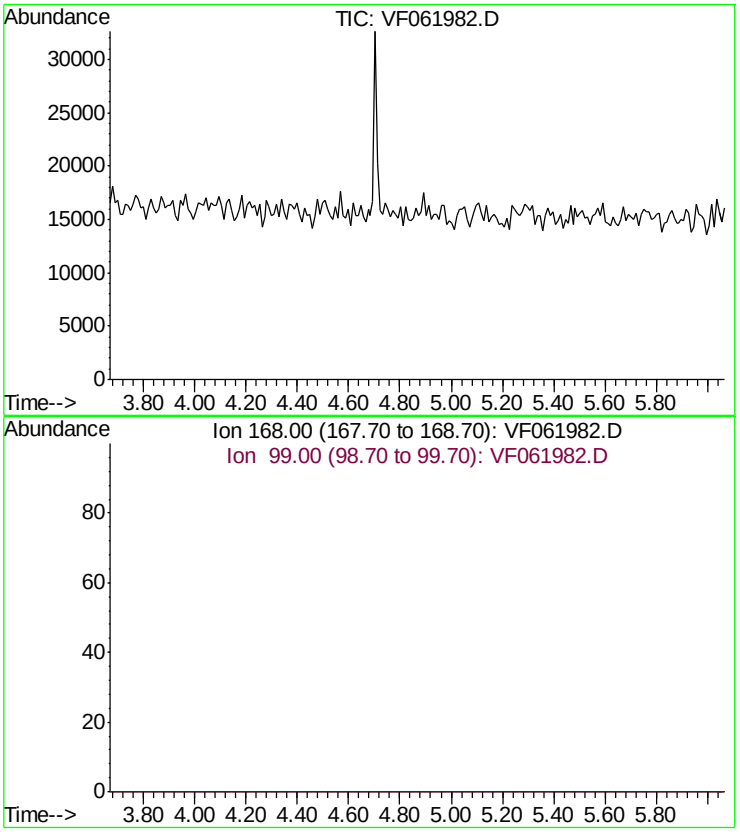
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
Data File : VF061982.D
Acq On : 16 Mar 2019 18:28
Operator : VA/AP
Sample : K1861-01
Misc : 5.08g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BF-06-031119

Quant Time: Mar 18 07:38:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





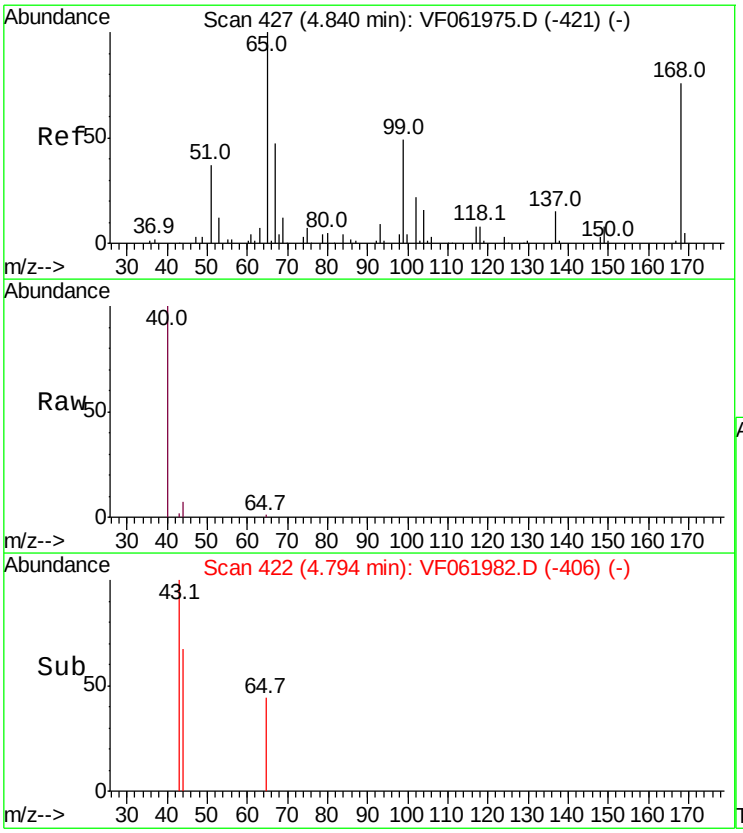
#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 4.87 min

Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 168

Sig	Exp Ratio
168	100
99	53.0

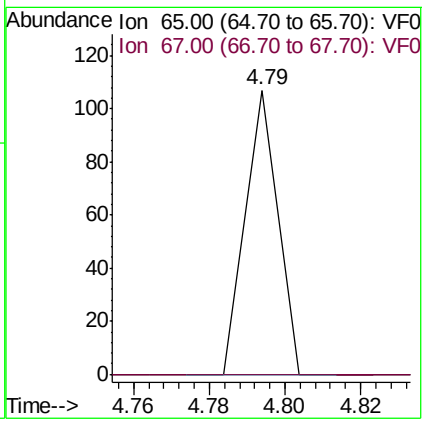
Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

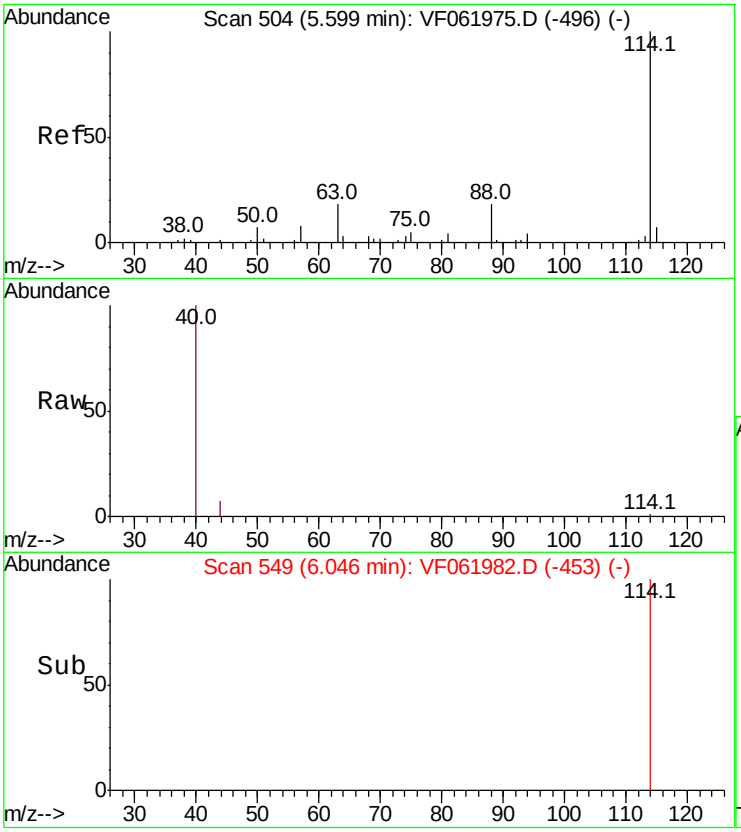


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.05 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 65 Resp: 63

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	109.4



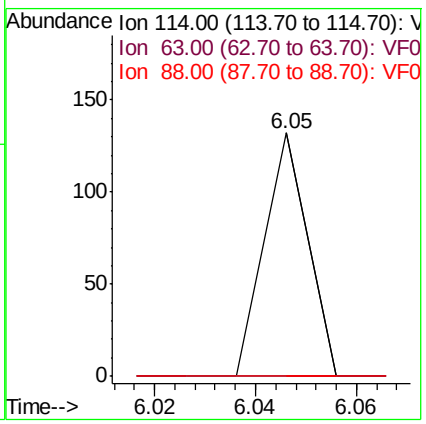


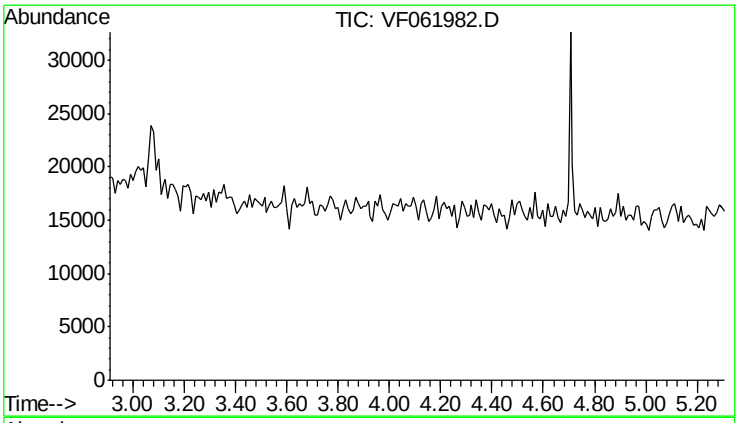
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.05 min Scan# 549
Delta R.T. 0.45 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion:114 Resp: 78

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	36.4
88	0.0	0.0	36.4



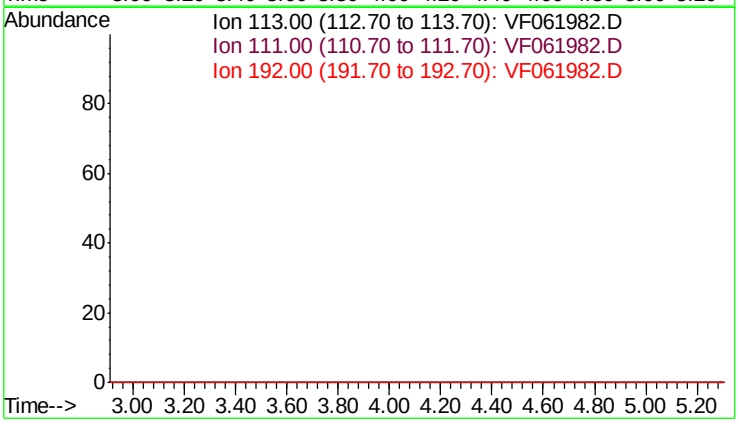


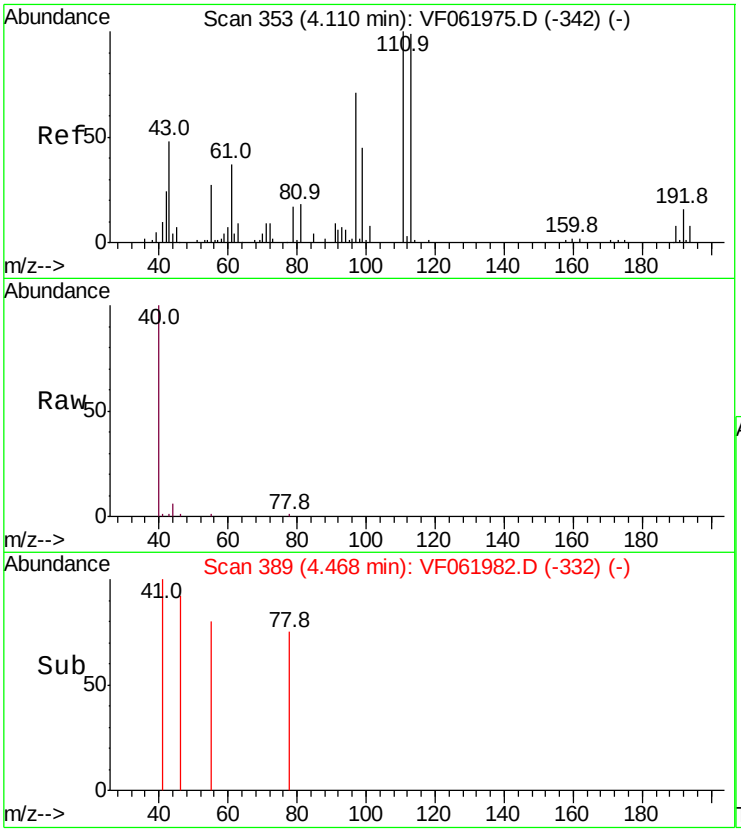
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.11 min

Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.0
192	16.3



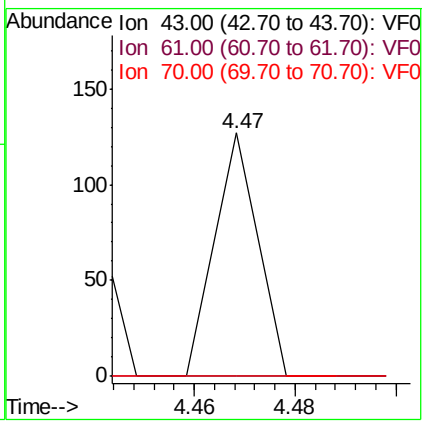


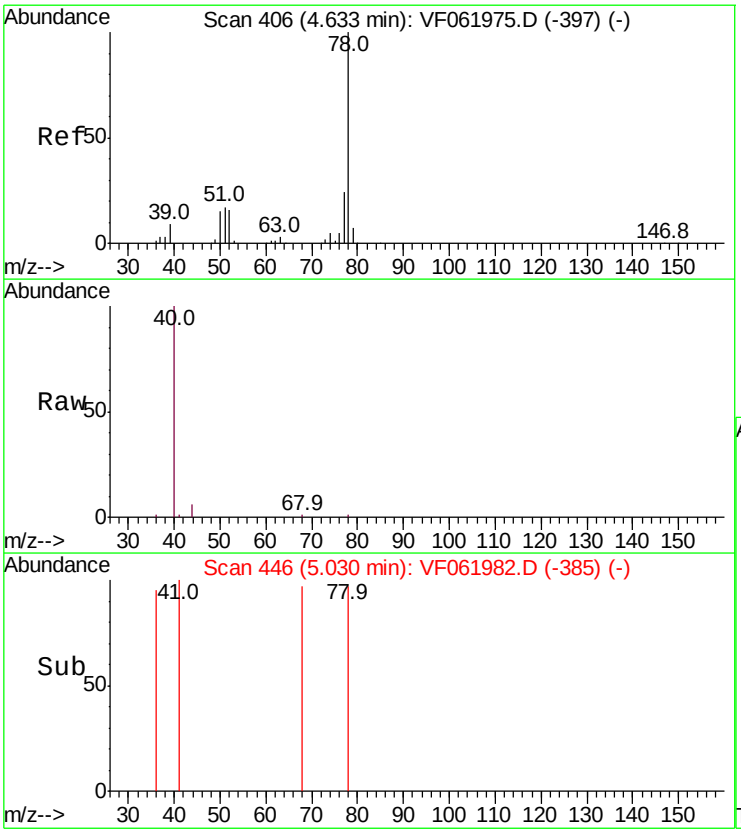
#37
Ethyl Acetate
Concen: 237.137 ug/l
RT: 4.47 min Scan# 389
Delta R.T. 0.36 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument : MSVOA_F
ClientSampleId : BF-06-031119

Tgt Ion: 43 Resp: 75

Ion	Ratio	Lower	Upper
43	100		
61	0.0	59.8	89.6#
70	0.0	7.8	11.8#

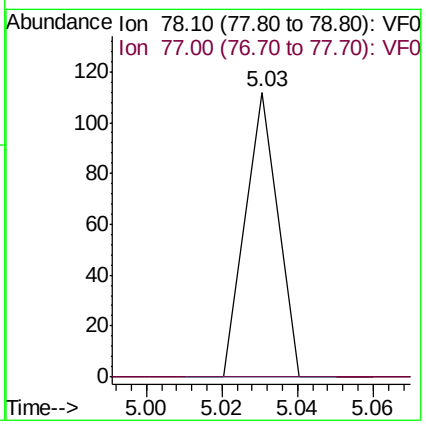


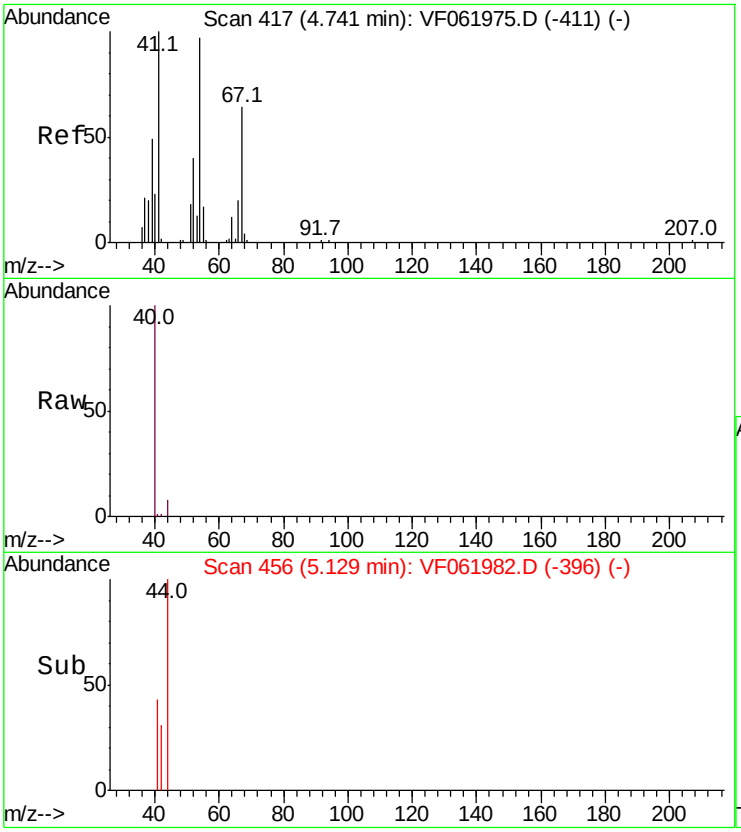


#40
Benzene
Concen: 35.362 ug/l
RT: 5.03 min Scan# 446
Delta R.T. 0.40 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 78 Resp: 66

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.0	28.4#



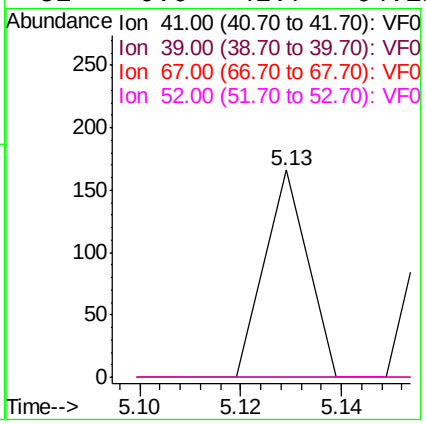


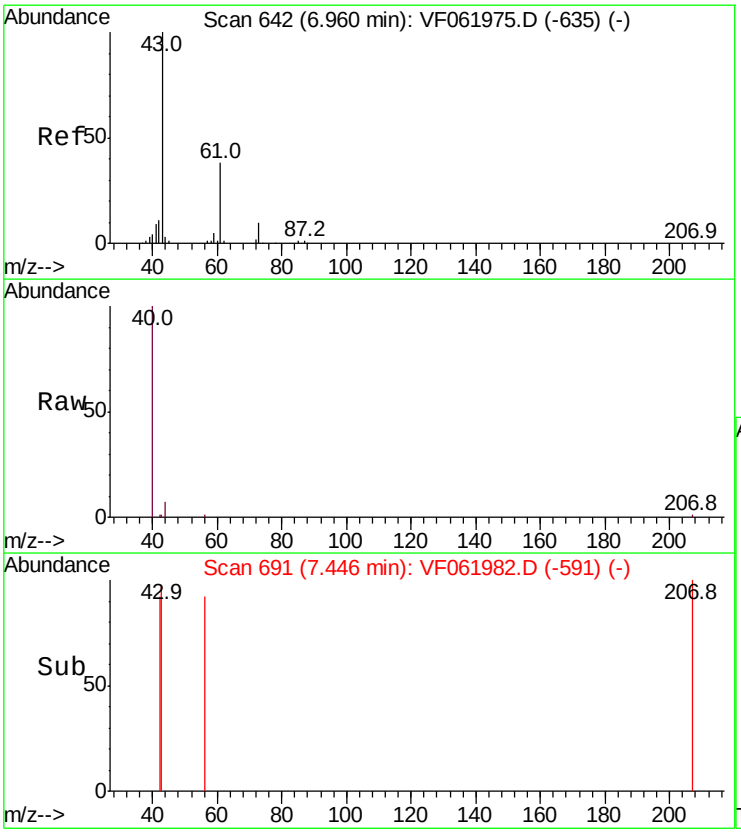
#41
Methacrylonitrile
Concen: 579.961 ug/l
RT: 5.13 min Scan# 456
Delta R.T. 0.39 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion: 41 Resp: 98

Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.2	69.4#
67	0.0	49.8	74.8#
52	0.0	42.7	64.1#

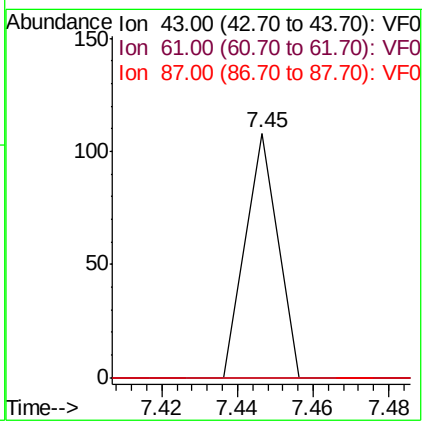


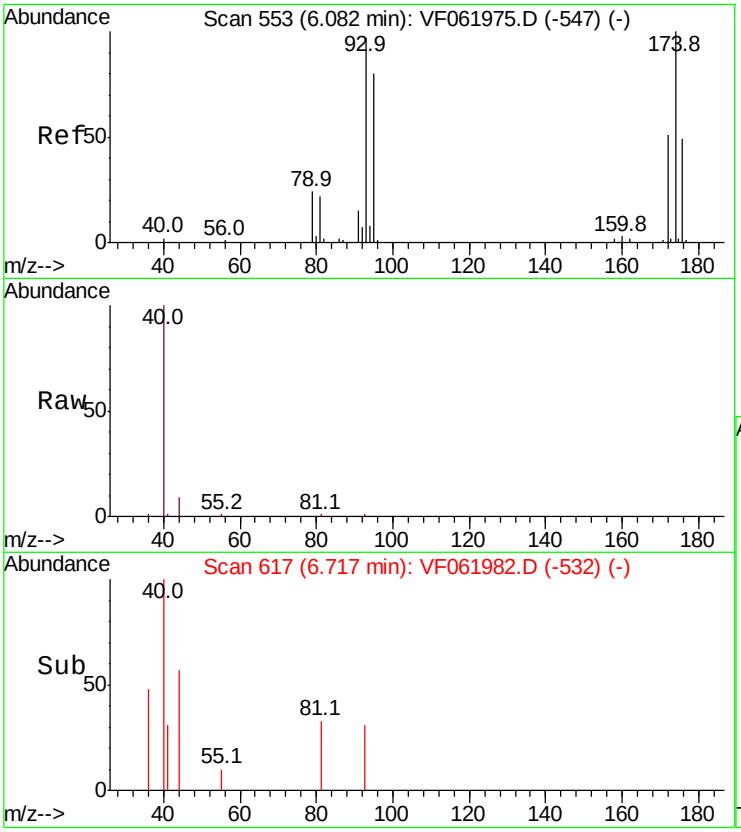


#43
Isopropyl Acetate
Concen: 171.031 ug/l
RT: 7.45 min Scan# 691
Delta R.T. 0.49 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
61	0.0	30.1	45.1#
87	0.0	0.4	0.6#



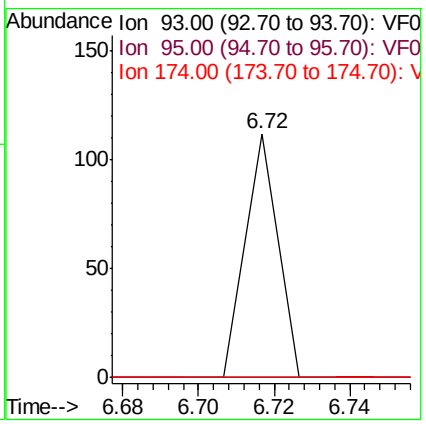


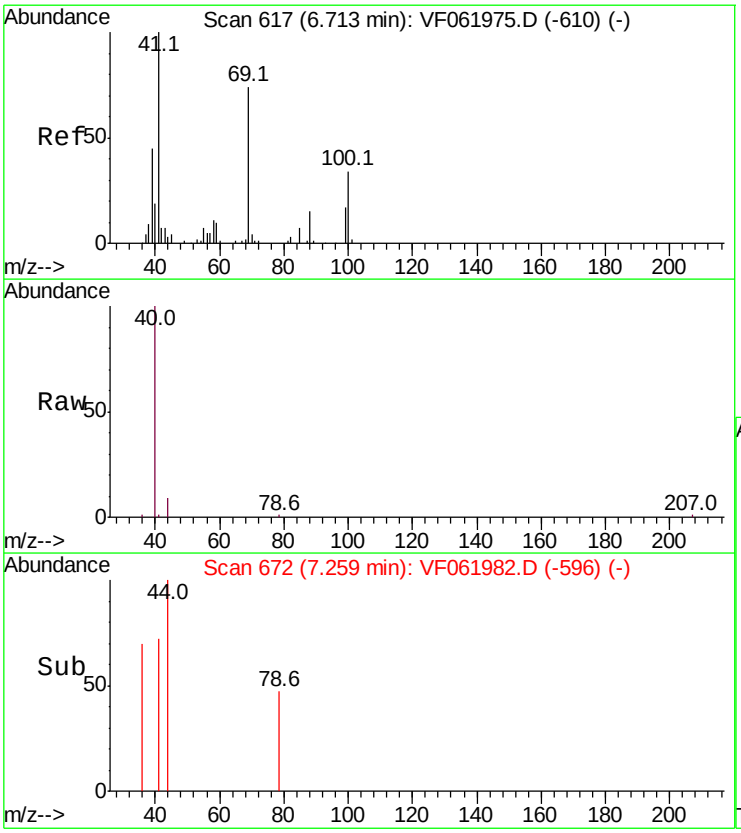
#46
Dibromomethane
Concen: 251.178 ug/l
RT: 6.72 min Scan# 617
Delta R.T. 0.63 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion: 93 Resp: 66

Ion	Ratio	Lower	Upper
93	100		
95	0.0	65.7	98.5#
174	0.0	82.2	123.4#

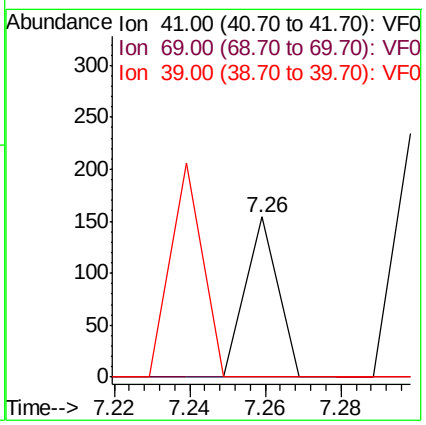


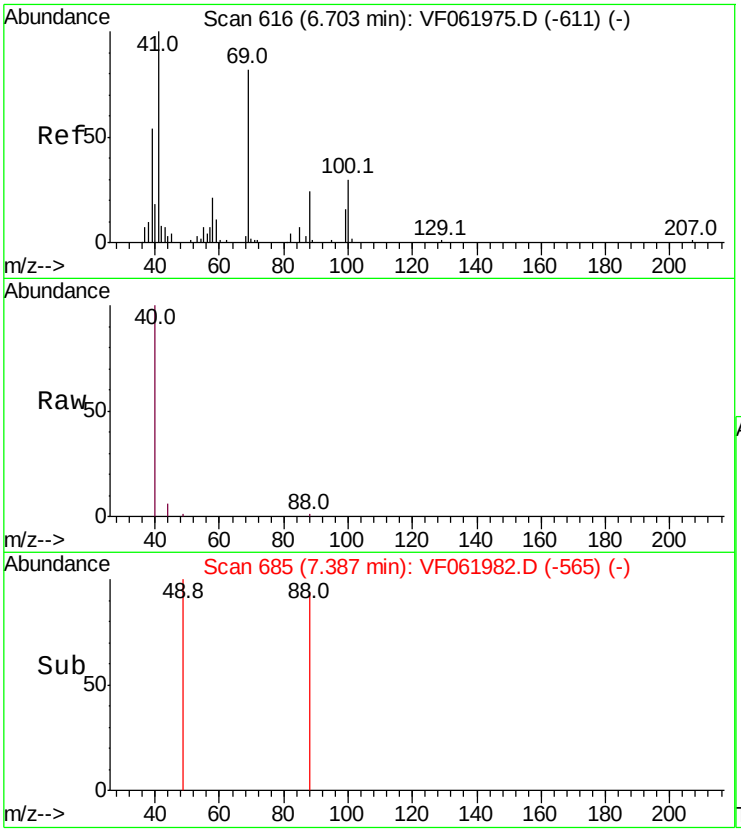


#48
Methyl methacrylate
Concen: 376.276 ug/l
RT: 7.26 min Scan# 672
Delta R.T. 0.55 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 41 Resp: 91

Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.0	88.6#
39	0.0	35.6	53.4#



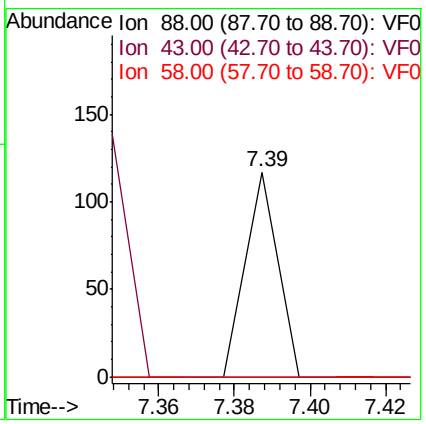


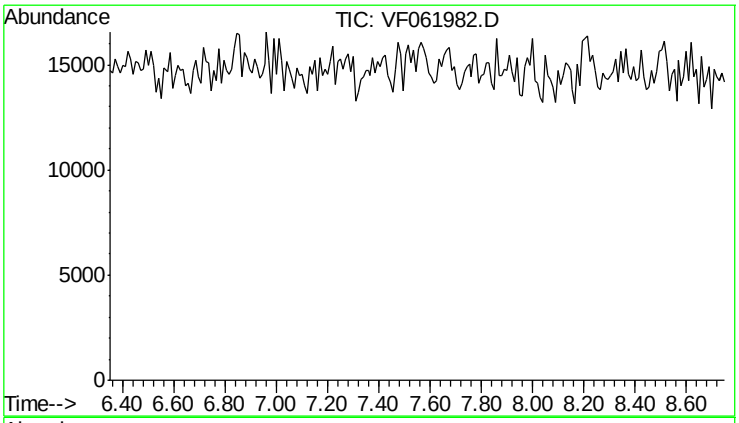
#49
1,4-Dioxane
Concen: 32075.080 ug/l
RT: 7.39 min Scan# 685
Delta R.T. 0.68 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion: 88 Resp: 69

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.2	46.8#
58	0.0	69.9	104.9#



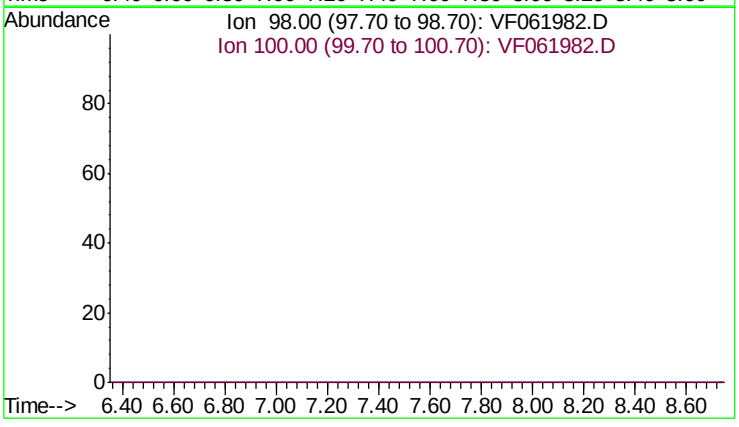


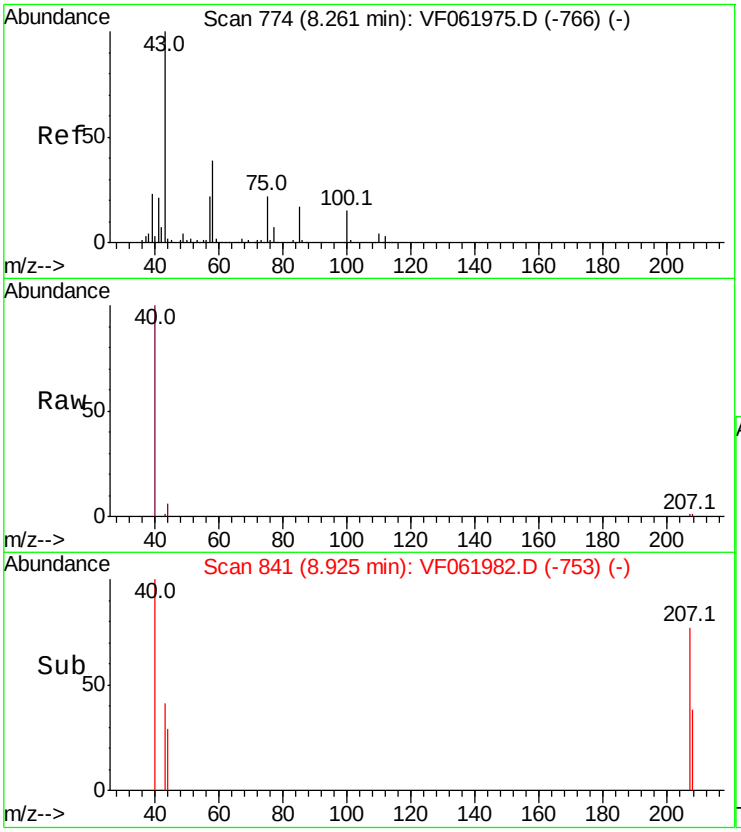
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.55 min

Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	71.0



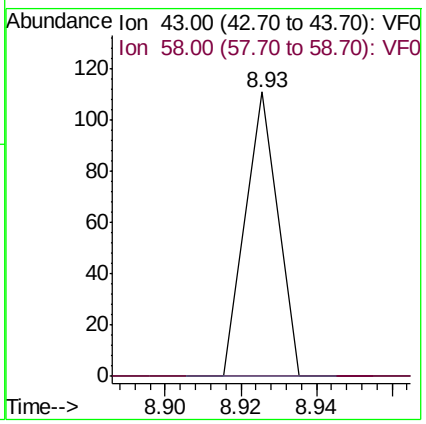


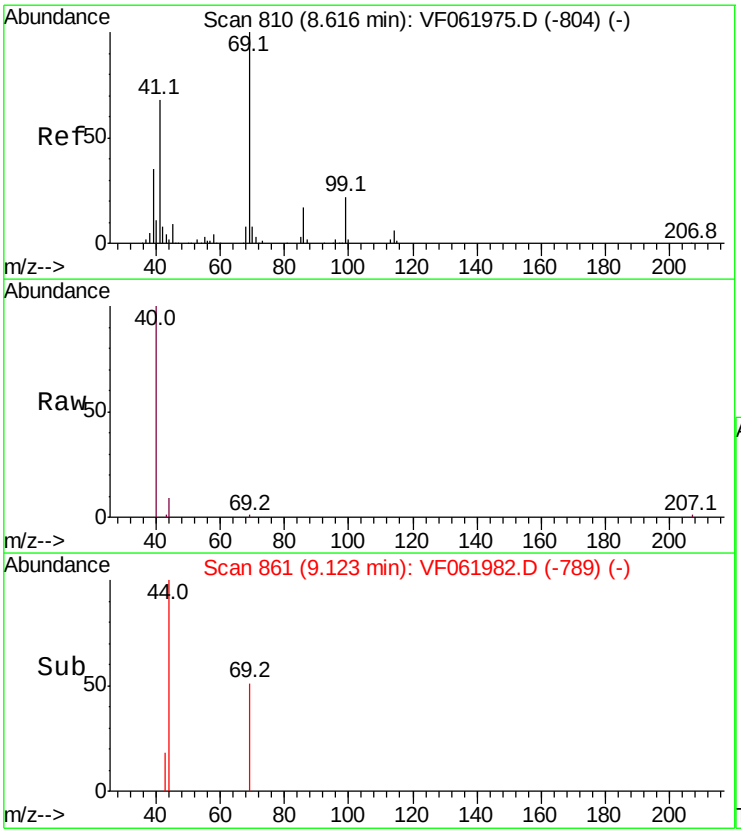
#51
4-Methyl-2-Pentanone
Concen: 248.377 ug/l
RT: 8.93 min Scan# 841
Delta R.T. 0.66 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument : MSVOA_F
ClientSampleId : BF-06-031119

Tgt Ion: 43 Resp: 66

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.1	46.7#

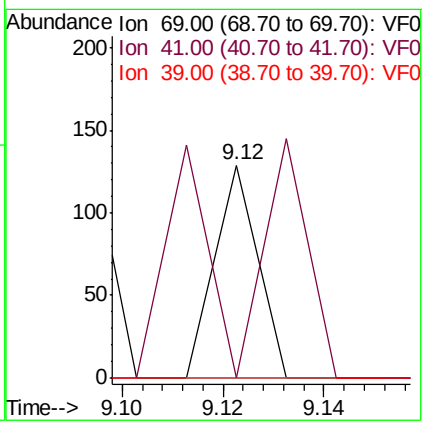


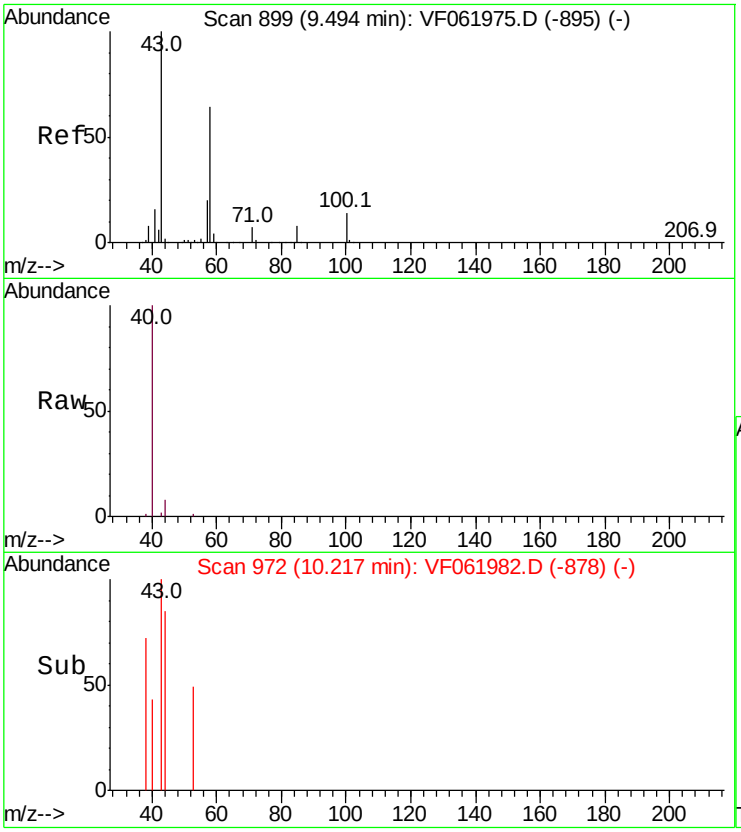


#56
Ethyl methacrylate
Concen: 210.054 ug/l
RT: 9.12 min Scan# 861
Delta R.T. 0.51 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 69 Resp: 76

Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.7	82.1#
39	0.0	27.9	41.9#



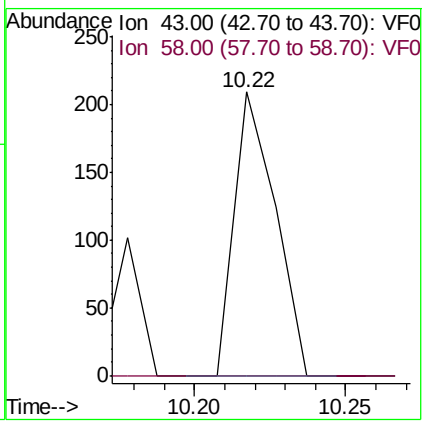


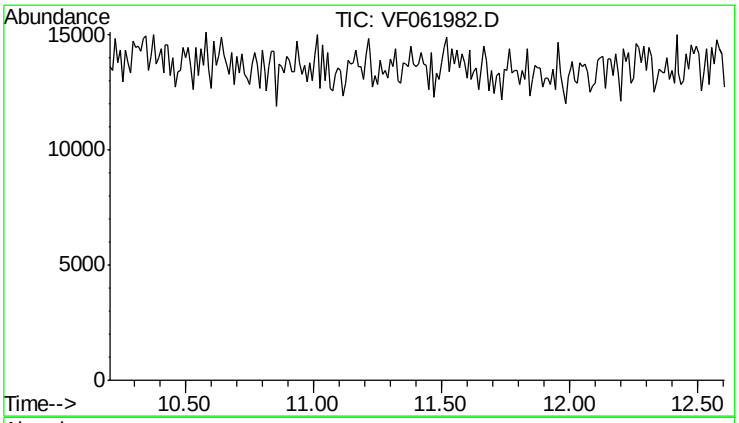
#59
2-Hexanone
Concen: 1024.405 ug/l
RT: 10.22 min Scan# 972
Delta R.T. 0.72 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument : MSVOA_F
ClientSampleId : BF-06-031119

Tgt Ion: 43 Resp: 197

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	85.2#



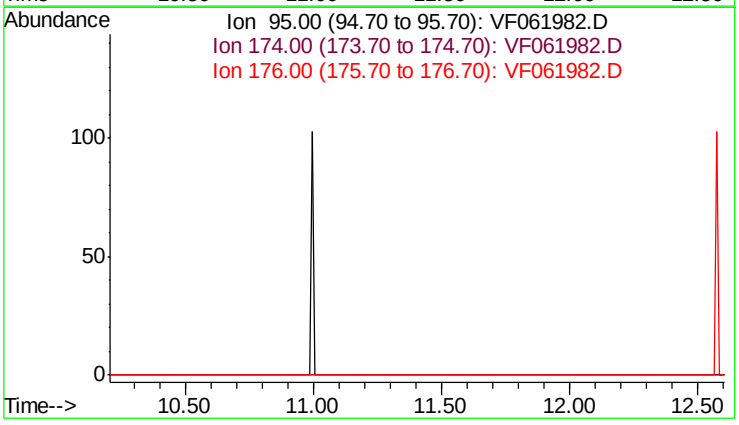


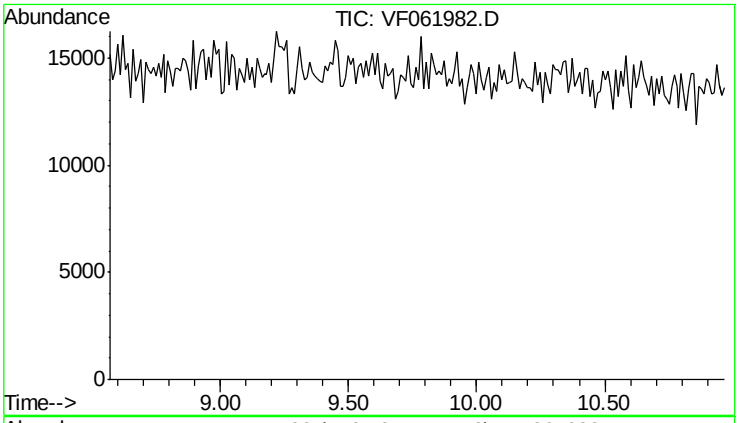
#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.41 min

Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	74.7
176	71.7





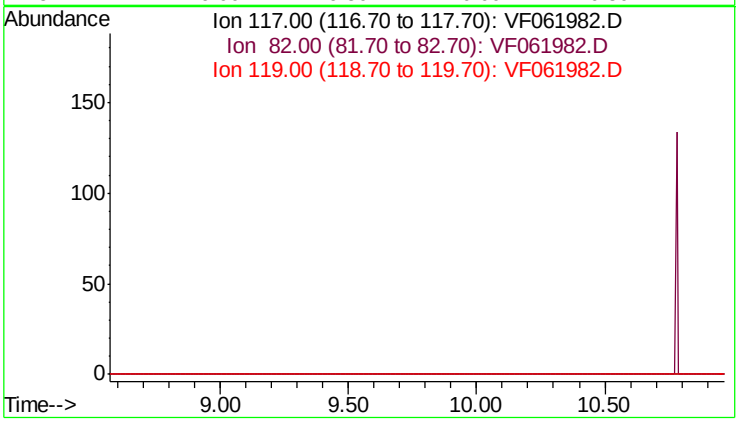
#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 9.77 min

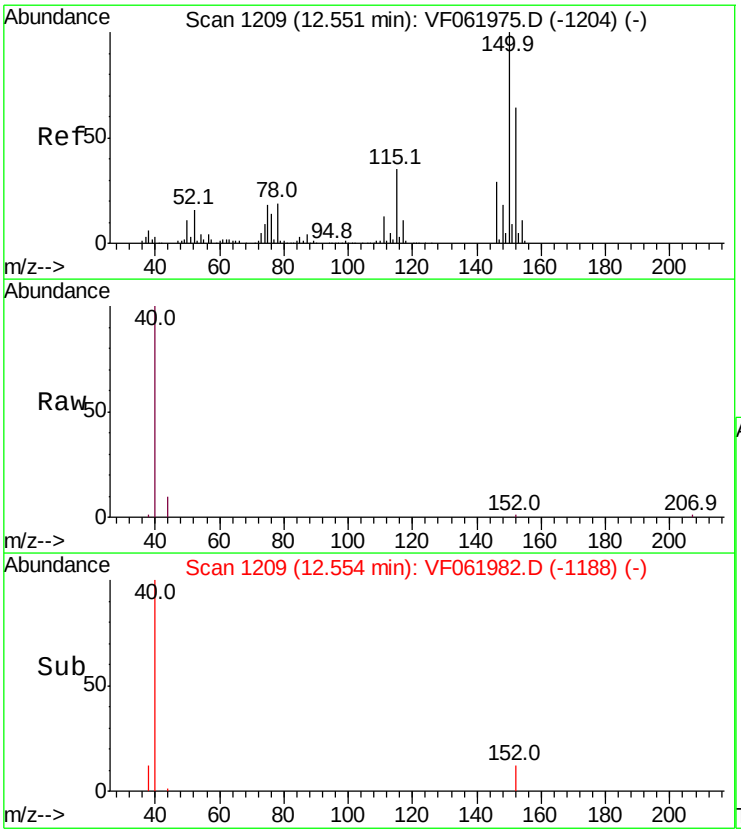
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	53.1
119	31.7

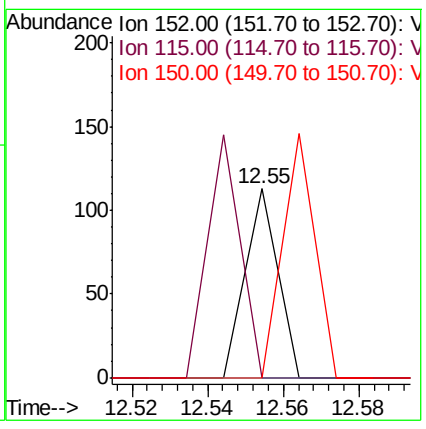


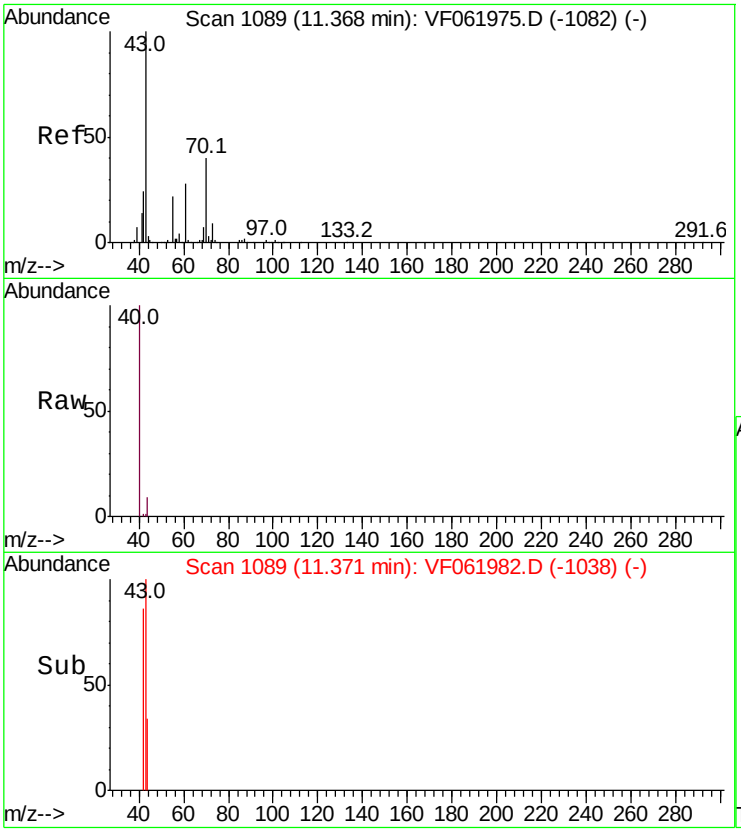


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion:152 Resp: 67

Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.3	81.9#
150	0.0	0.0	316.2



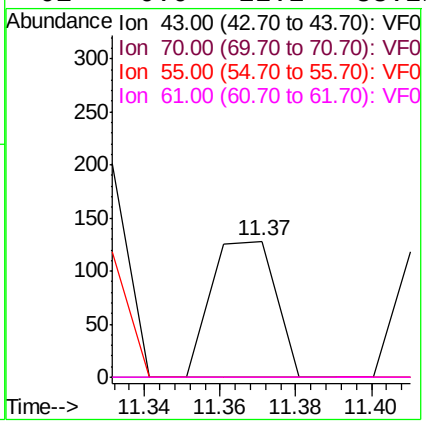


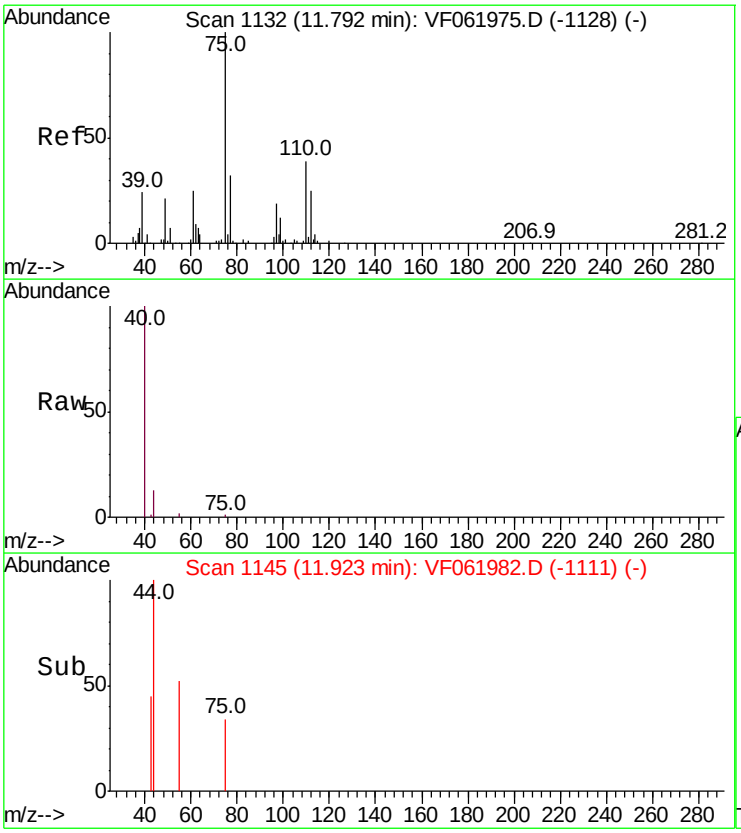
#74
N-amyl acetate
Concen: 141.427 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion: 43 Resp: 150

Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.9	47.9#
55	0.0	17.9	26.9#
61	0.0	22.2	33.2#

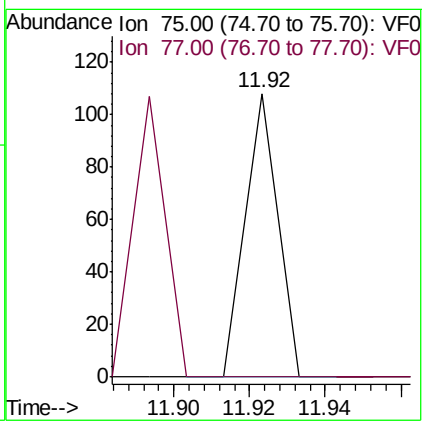


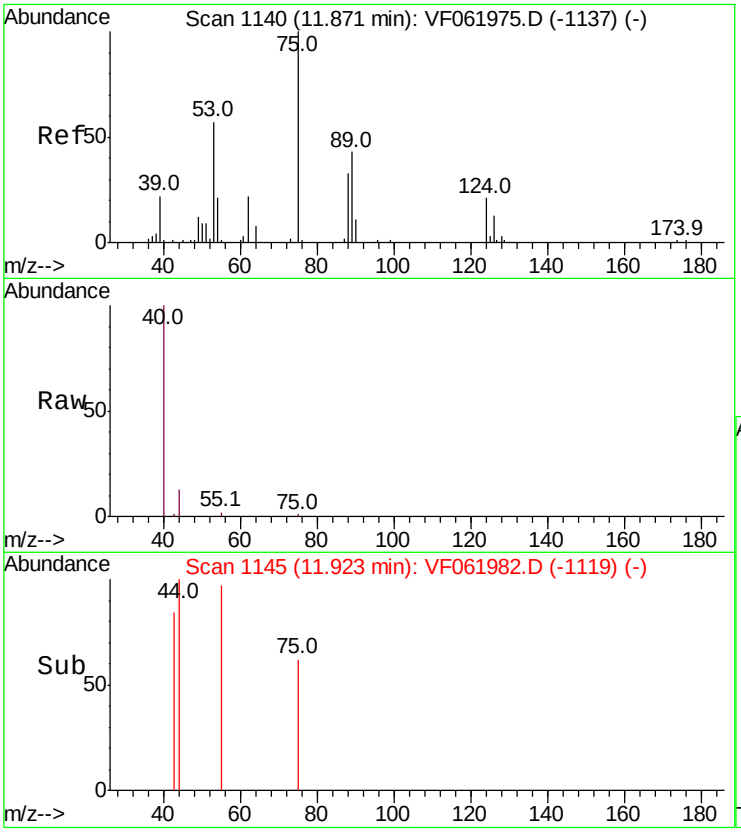


#76
1,2,3-Trichloropropane
Concen: 119.793 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.13 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 75 Resp: 64

Ion	Ratio	Lower	Upper
75	100		
77	0.0	16.4	49.2#



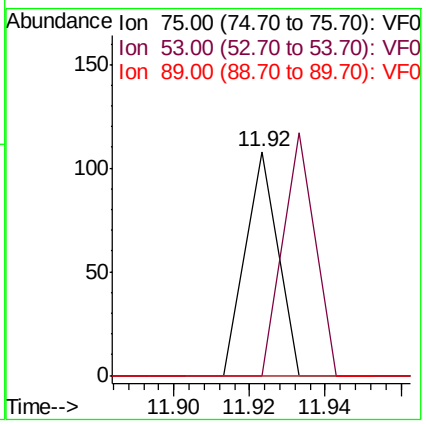


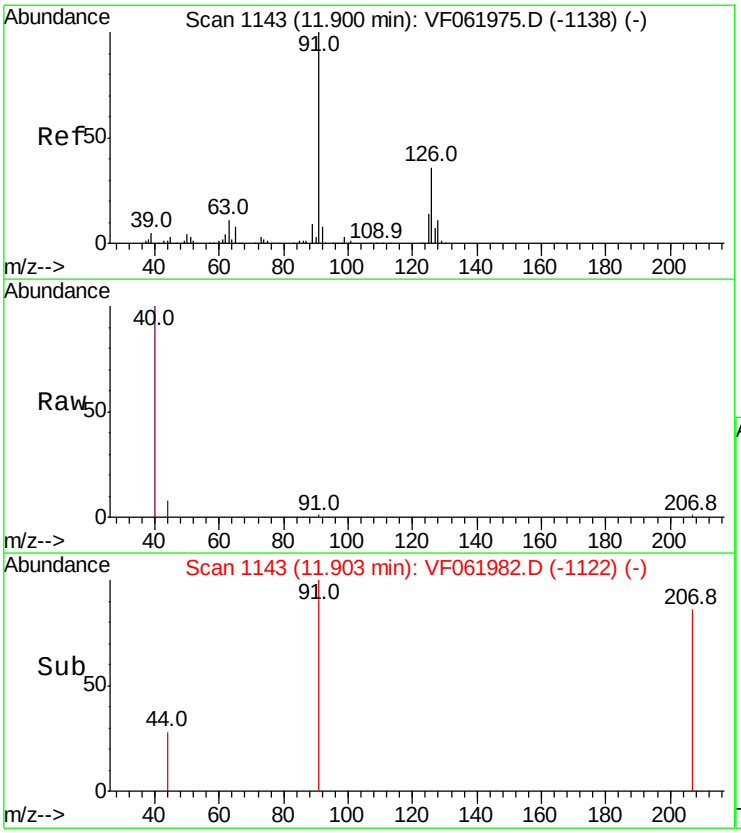
#81
trans-1,4-Dichloro-2-butene
Concen: 270.786 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.05 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion: 75 Resp: 64

Ion	Ratio	Lower	Upper
75	100		
53	0.0	49.0	73.6#
89	0.0	37.1	55.7#

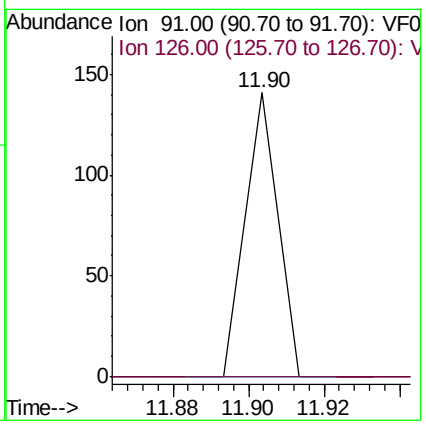


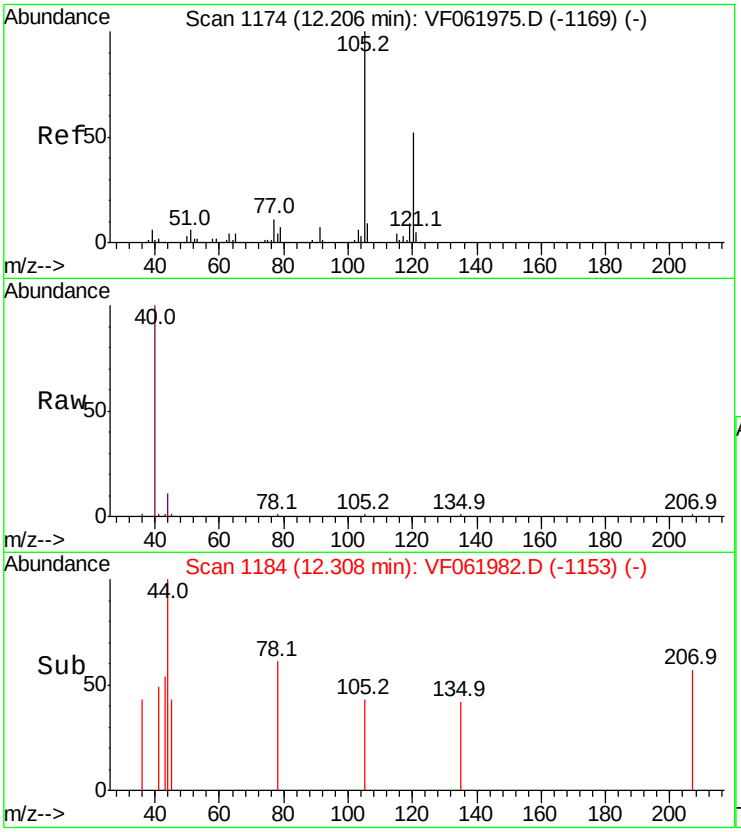


#82
4-Chlorotoluene
Concen: 27.320 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion: 91 Resp: 83

Ion	Ratio	Lower	Upper
91	100		
126	0.0	18.1	54.1#



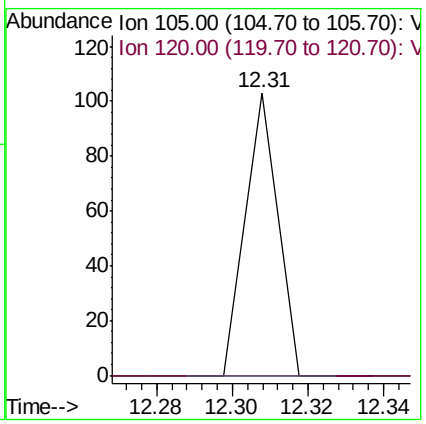


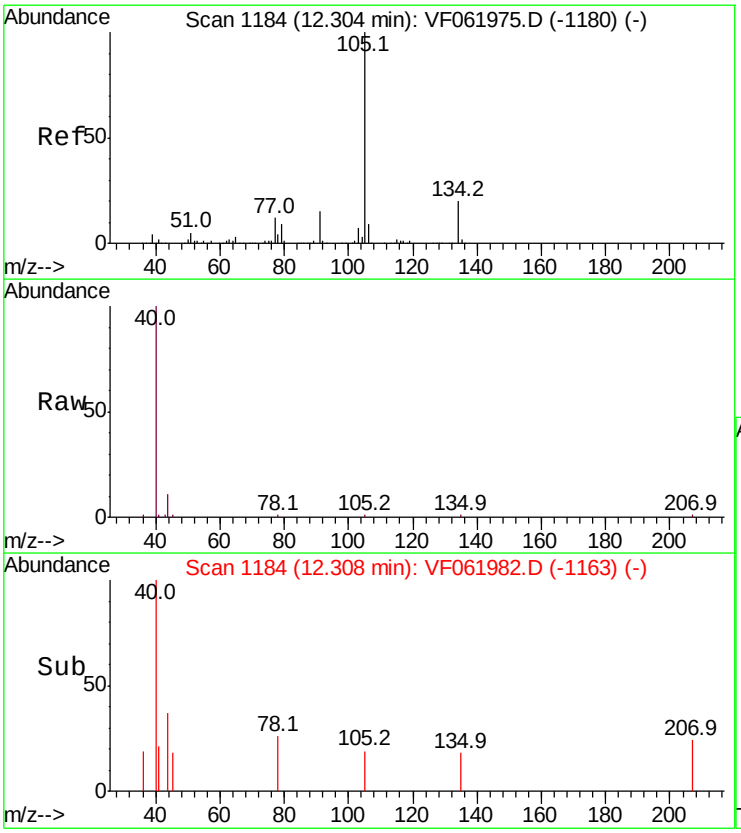
#84
1,2,4-Trimethylbenzene
Concen: 16.288 ug/l
RT: 12.31 min Scan# 1184
Delta R.T. 0.10 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion:105 Resp: 61

Ion	Ratio	Lower	Upper
105	100		
120	0.0	25.9	77.8#

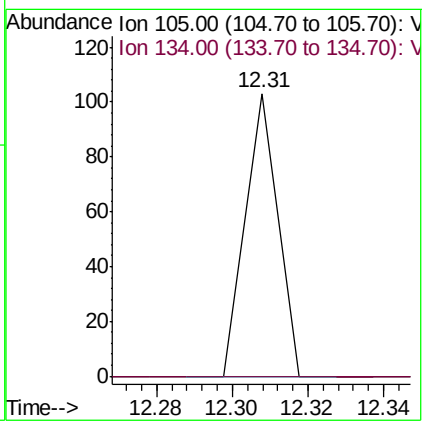


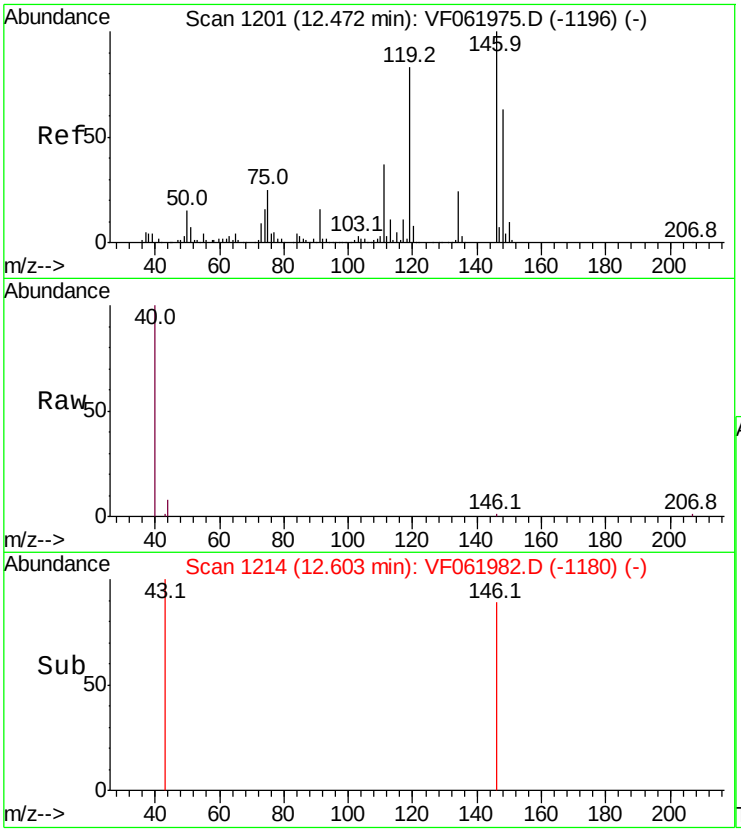


#85
sec-Butylbenzene
Concen: 11.546 ug/l
RT: 12.31 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion:105 Resp: 61

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.0	29.8#



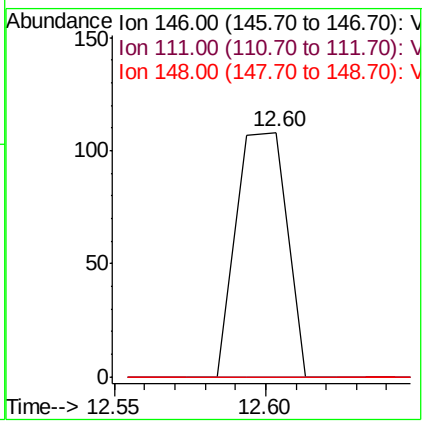


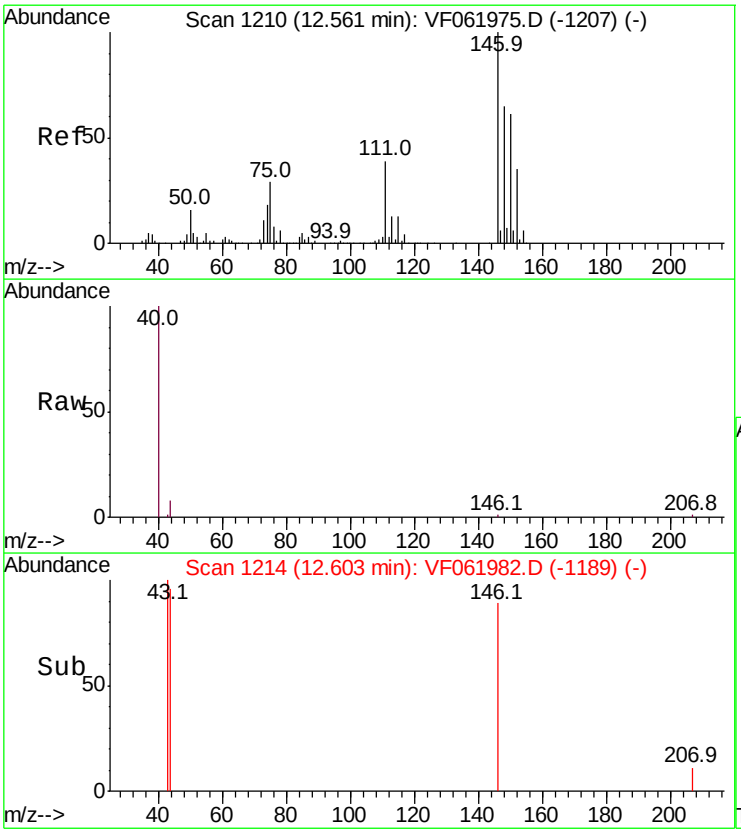
#87
1,3-Dichlorobenzene
Concen: 60.281 ug/l
RT: 12.60 min Scan# 1214
Delta R.T. 0.13 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion:146 Resp: 127

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.6	55.8#
148	0.0	31.3	93.9#

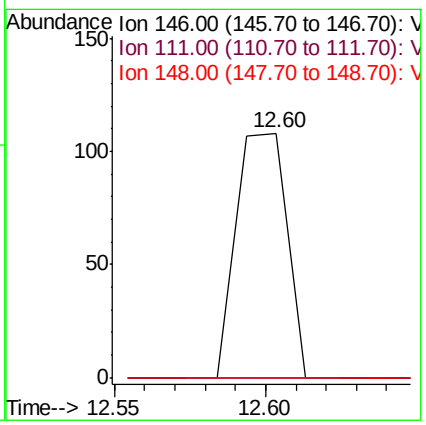


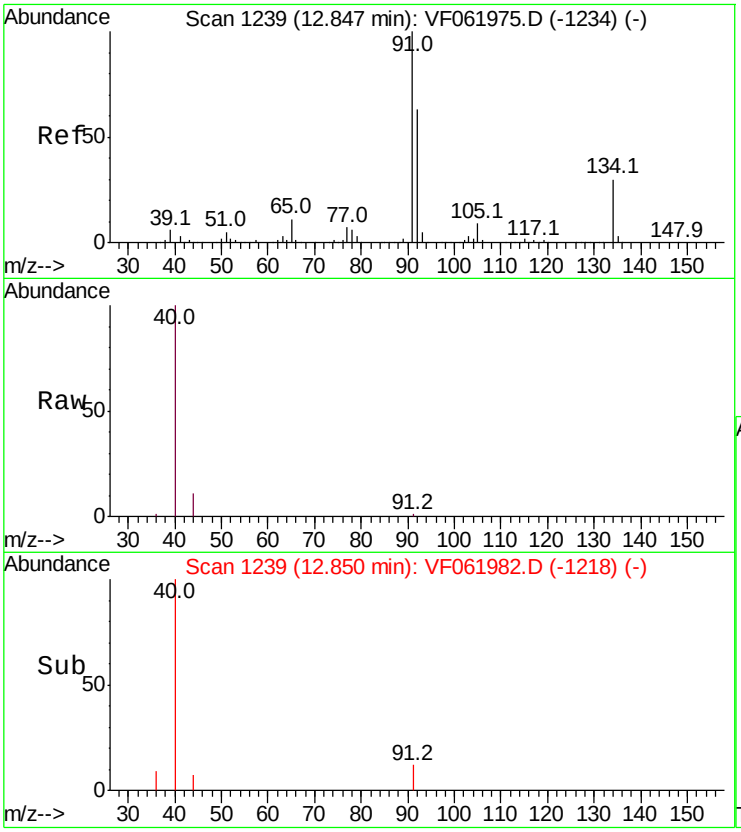


#88
1,4-Dichlorobenzene
Concen: 62.630 ug/l
RT: 12.60 min Scan# 1214
Delta R.T. 0.04 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion:146 Resp: 127

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.1#
148	0.0	32.4	97.0#



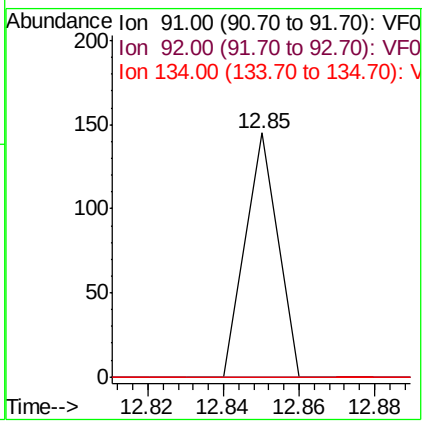


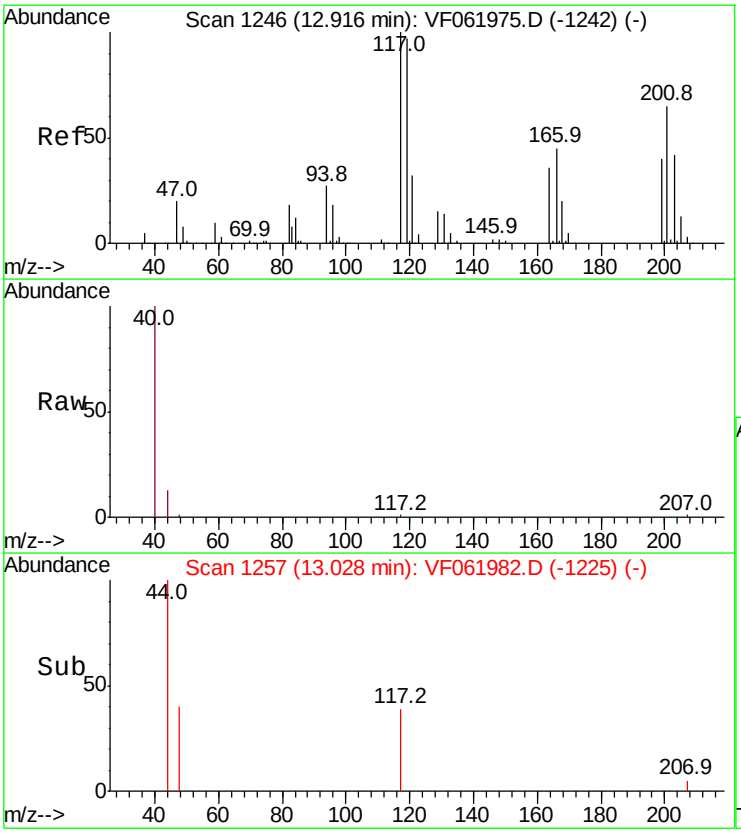
#89
n-Butylbenzene
Concen: 20.760 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument : MSVOA_F
ClientSampleId : BF-06-031119

Tgt Ion: 91 Resp: 86

Ion	Ratio	Lower	Upper
91	100		
92	0.0	31.7	95.1#
134	0.0	15.1	45.3#

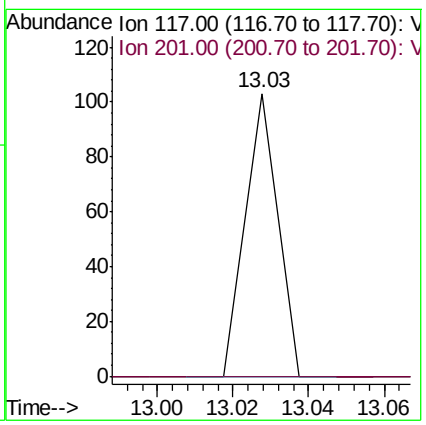


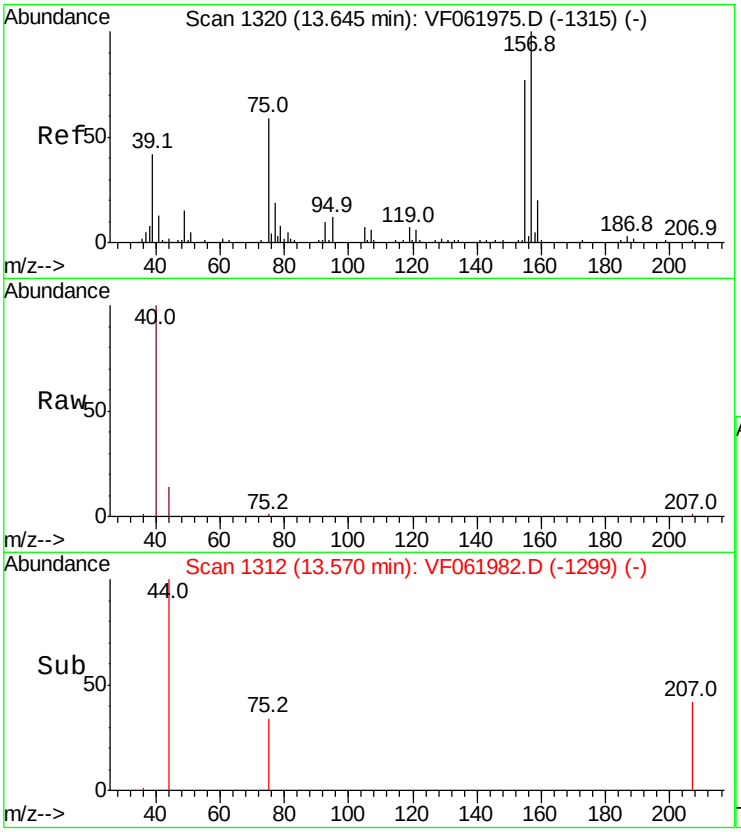


#90
Hexachloroethane
Concen: 60.632 ug/l
RT: 13.03 min Scan# 1257
Delta R.T. 0.11 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion:117 Resp: 61

Ion	Ratio	Lower	Upper
117	100		
201	0.0	32.5	97.5#



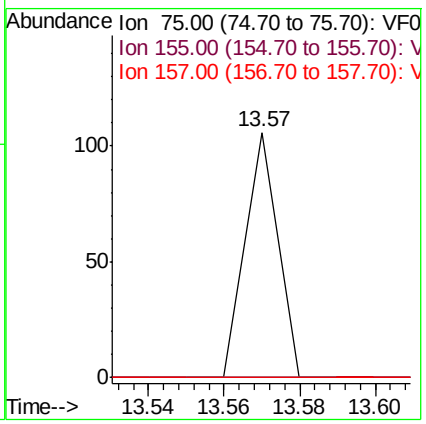


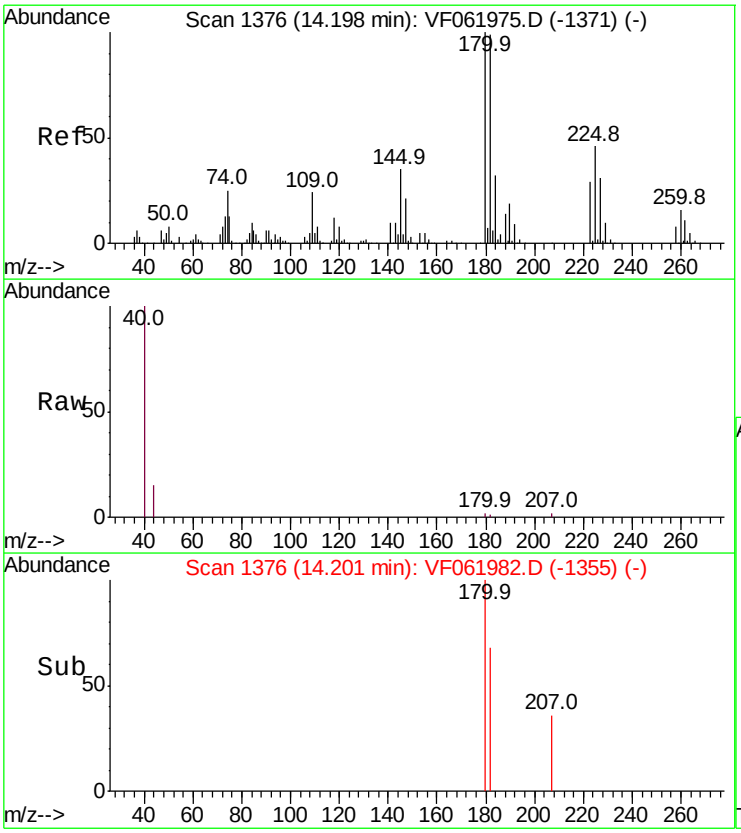
#92
1,2-Dibromo-3-Chloropropane
Concen: 513.844 ug/l
RT: 13.57 min Scan# 1312
Delta R.T. -0.08 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion: 75 Resp: 63

Ion	Ratio	Lower	Upper
75	100		
155	0.0	65.0	195.1#
157	0.0	84.7	254.0#

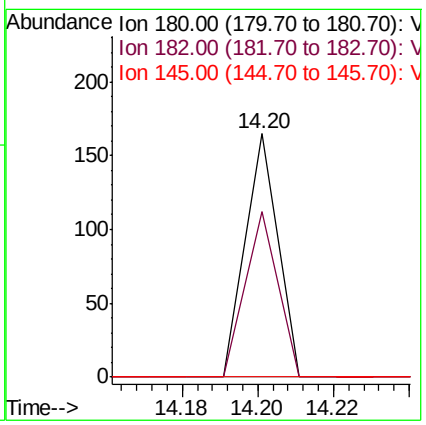


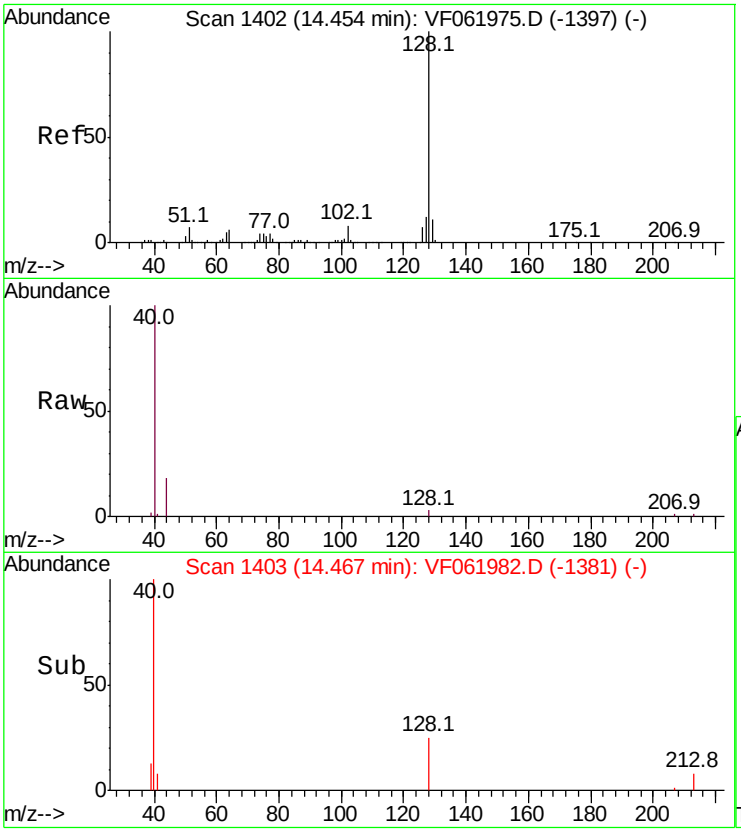


#93
1,2,4-Trichlorobenzene
Concen: 72.122 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Tgt Ion:180 Resp: 98

Ion	Ratio	Lower	Upper
180	100		
182	67.9	49.6	149.0
145	0.0	17.5	52.5#





#95
Naphthalene
Concen: 293.391 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF061982.D
Acq: 16 Mar 2019 18:28

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tgt Ion:128 Resp: 717

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.3	13.9#
129	0.0	9.1	13.7#