Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122818\
Data File : VF061231.D
Acq On : 28 Dec 2018 12:56
Operator : VA/AP
Sample : J6486-02RE
Misc : 3.81g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Quant Time: Dec 29 00:54:30 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	4.87	168	7001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	8928	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	5825	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	1822	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	1372	15.24	ug/l	0.02
Spiked Amount 50.000			Recovery = 30.48%			
35) Dibromofluoromethane	4.13	113	2117	29.60	ug/l	0.02
Spiked Amount 50.000			Recovery = 59.20%			
50) Toluene-d8	7.58	98	8222	40.57	ug/l	0.02
Spiked Amount 50.000			Recovery = 81.14%			
62) 4-Bromofluorobenzene	11.42	95	2544	27.23	ug/l	0.01
Spiked Amount 50.000			Recovery = 54.46%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.11	62	252	3.047	ug/l #	37
5) Bromomethane	1.43	94	221	3.853	ug/l	83
6) Chloroethane	1.36	64	79	2.073	ug/l #	36
11) Tert butyl alcohol	2.58	59	121	33.300	ug/l #	65
12) 1,1-Dichloroethene	1.80	96	149	2.414	ug/l #	1
13) Acrolein	1.91	56	334	127.205	ug/l	83
14) Allyl chloride	2.07	41	419	6.524	ug/l #	83
15) Acrylonitrile	2.93	53	238	28.325	ug/l #	6
16) Acetone	2.21	43	961	53.386	ug/l	95
18) Methyl Acetate	2.36	43	1428	38.343	ug/l #	66
19) Methyl tert-butyl Ether	2.49	73	342	2.497	ug/l #	59
20) Methylene Chloride	2.20	84	76	Below Cal	#	1
22) Diisopropyl ether	2.80	45	673	3.146	ug/l #	1
23) Vinyl Acetate	3.21	43	345	3.496	ug/l #	78
25) 2-Butanone	4.32	43	260	8.906	ug/l #	57
26) 2,2-Dichloropropane	3.66	77	81	1.114	ug/l #	62
29) Tetrahydrofuran	4.09	42	227	19.104	ug/l #	37
37) Ethyl Acetate	4.12	43	231	4.625	ug/l #	5
41) Methacrylonitrile	4.75	41	186	8.172	ug/l #	37
42) 1,2-Dichloroethane	4.87	62	170	1.931	ug/l #	1
43) Isopropyl Acetate	6.98	43	216	4.151	ug/l #	45
46) Dibromomethane	6.14	93	67	1.638	ug/l #	5
48) Methyl methacrylate	6.75	41	95	2.615	ug/l #	32
51) 4-Methyl-2-Pentanone	8.32	43	231	6.473	ug/l #	38
59) 2-Hexanone	9.49	43	304	11.779	ug/l #	27
64) Tetrachloroethene	8.29	164	65	1.451	ug/l #	1
74) N-amyl acetate	11.39	43	557	15.979	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.64	83	90	3.454	ug/l #	23
88) 1,4-Dichlorobenzene	12.68	146	97	1.563	ug/l #	25
91) 1,2-Dichlorobenzene	13.02	146	64	1.059	ug/l #	23

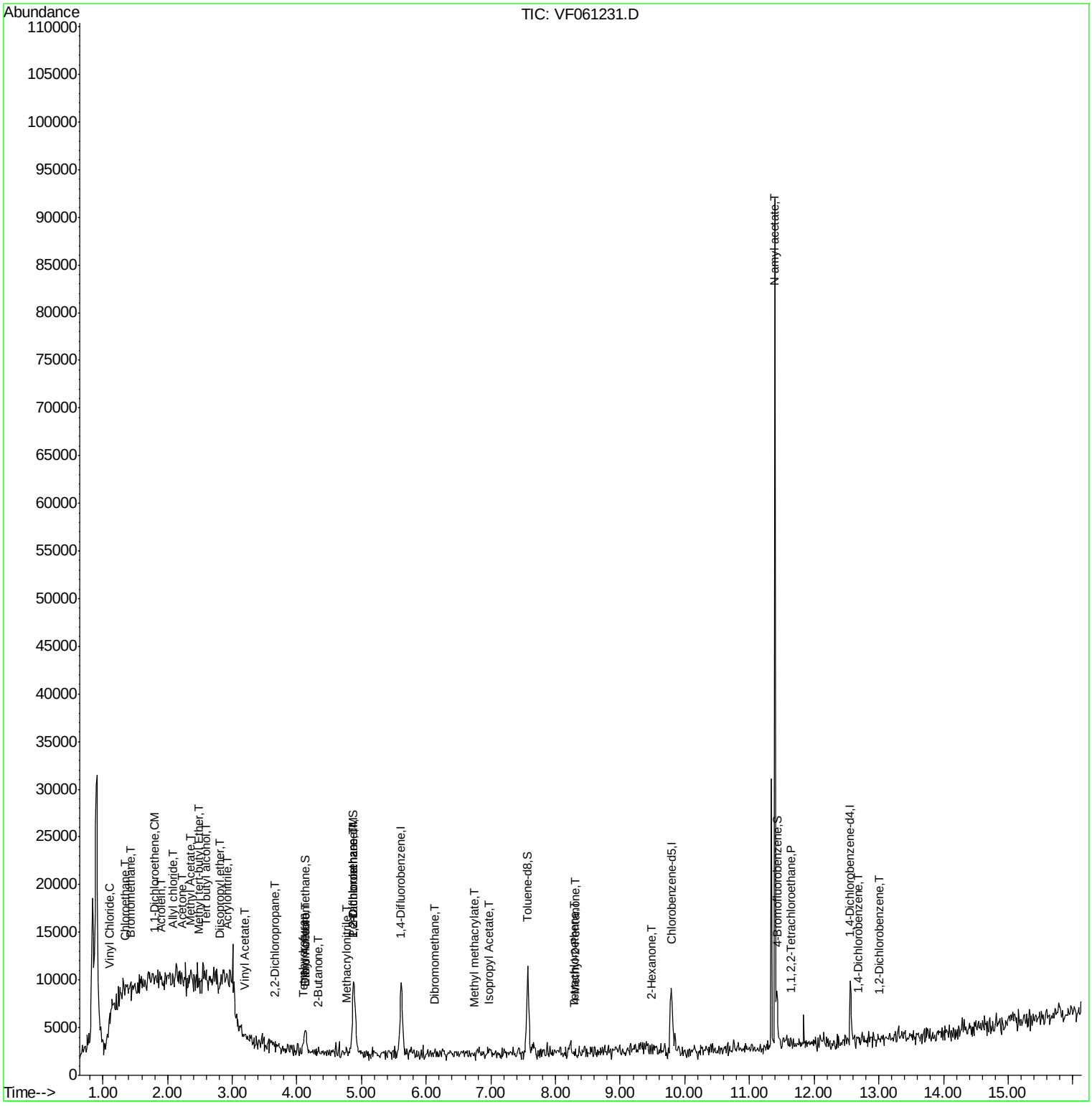
(#) = qualifier out of range (m) = manual integration (+) = signals summed

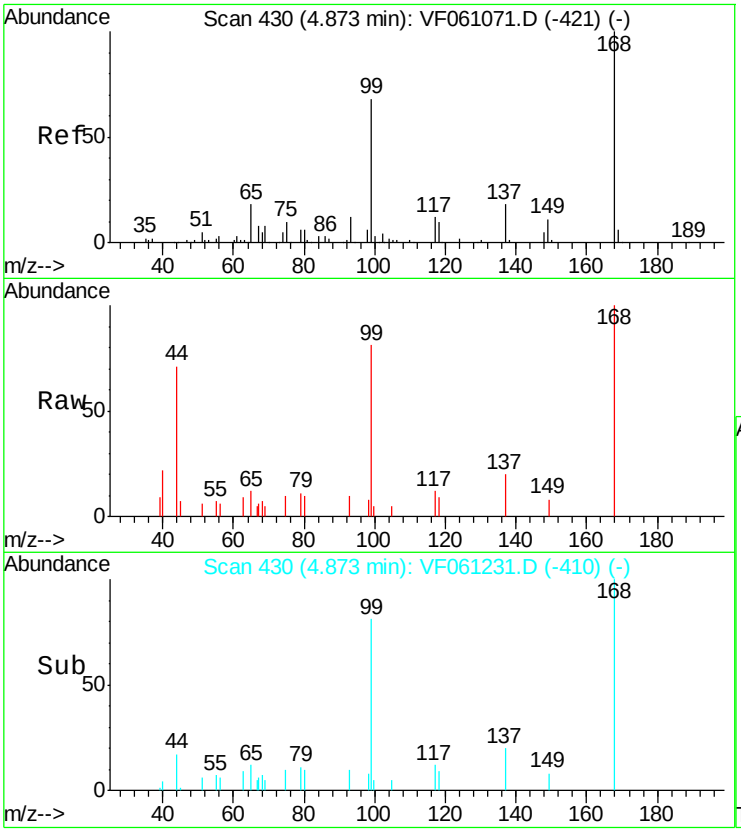
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122818\
Data File : VF061231.D
Acq On : 28 Dec 2018 12:56
Operator : VA/AP
Sample : J6486-02RE
Misc : 3.81g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
S72-0054RE

Quant Time: Dec 29 00:54:30 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



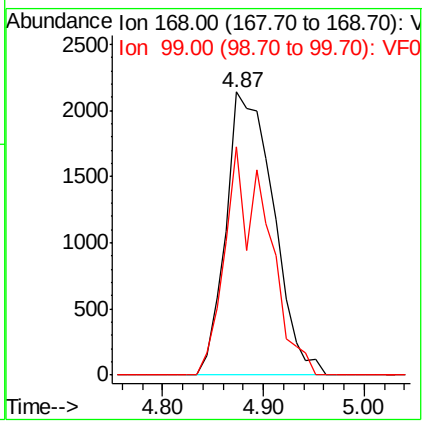


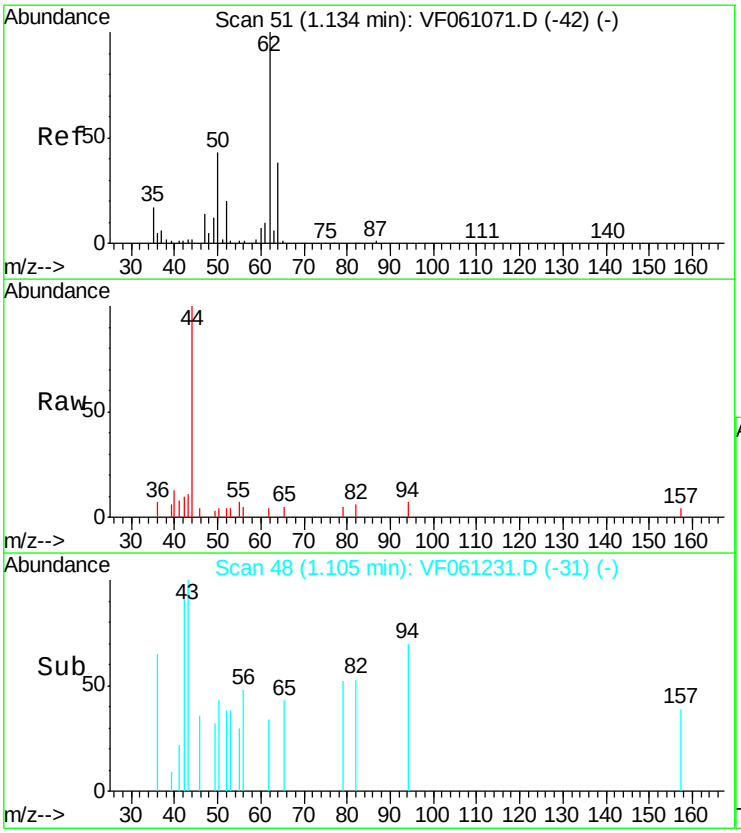
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. 0.00 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
S72-0054RE

Tgt Ion:168 Resp: 7001

Ion	Ratio	Lower	Upper
168	100		
99	80.6	54.4	81.6

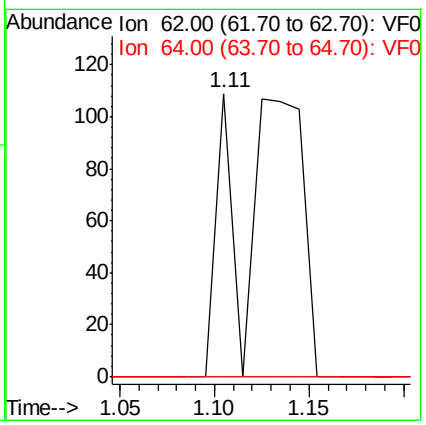


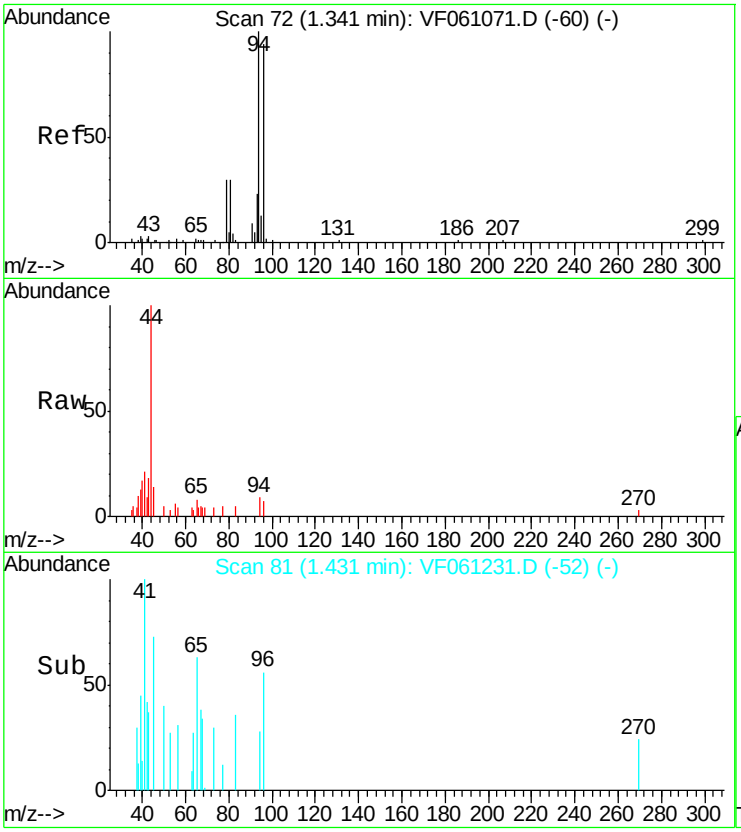


#4
Vinyl Chloride
Concen: 3.047 ug/l
RT: 1.11 min Scan# 48
Delta R.T. -0.03 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 62 Resp: 252

Ion	Ratio	Lower	Upper
62	100		
64	0.0	30.4	45.6#



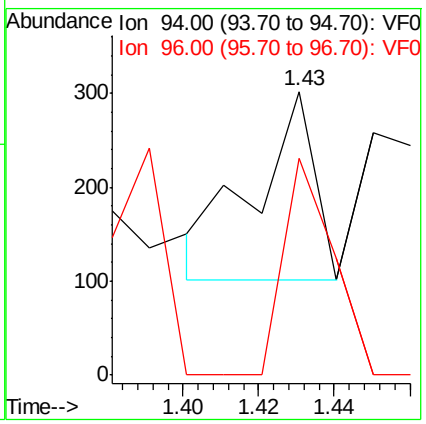


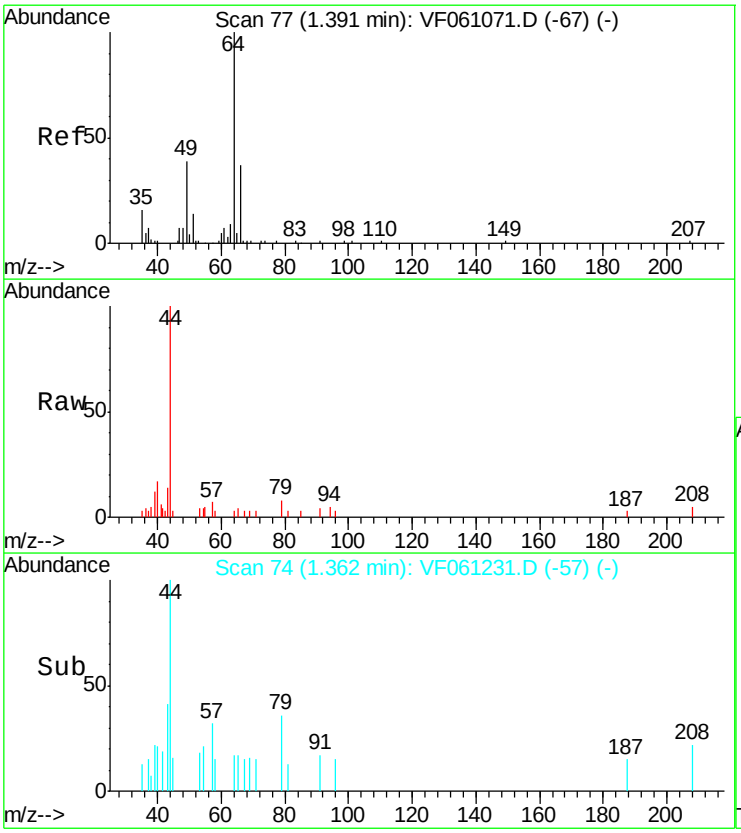
#5
Bromomethane
Concen: 3.853 ug/l
RT: 1.43 min Scan# 81
Delta R.T. 0.09 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 94 Resp: 221

Ion	Ratio	Lower	Upper
94	100		
96	76.5	74.4	111.6

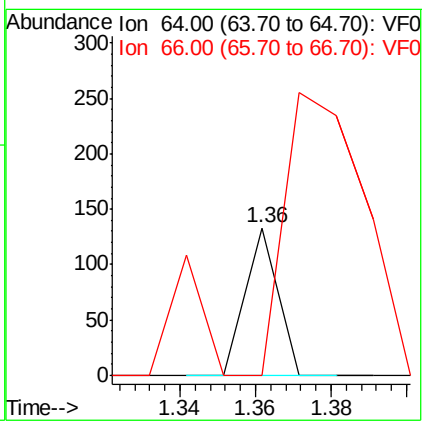


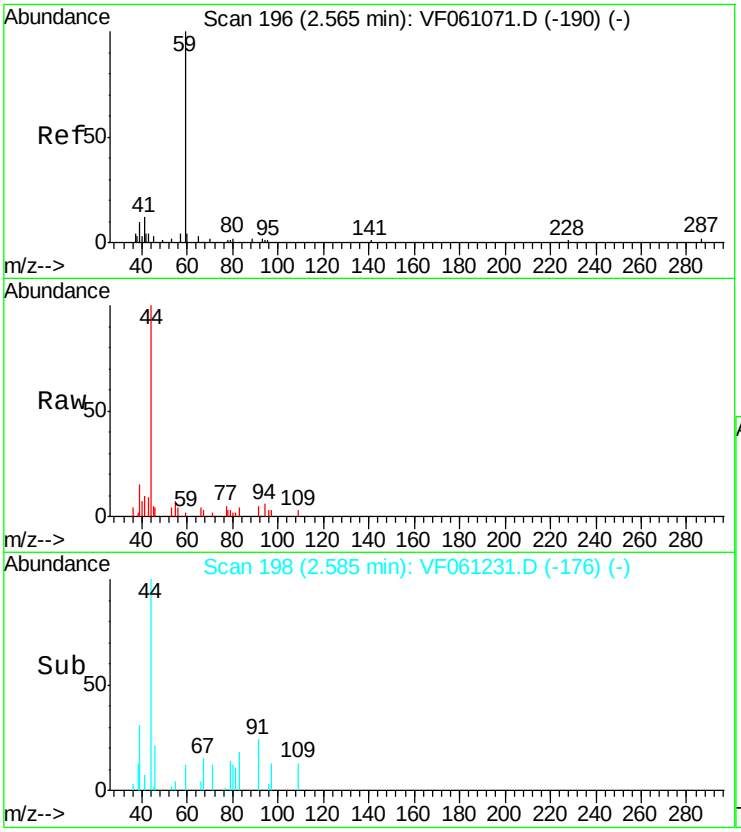


#6
Chloroethane
Concen: 2.073 ug/l
RT: 1.36 min Scan# 74
Delta R.T. -0.03 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 64 Resp: 79

Ion	Ratio	Lower	Upper
64	100		
66	0.0	30.9	46.3#



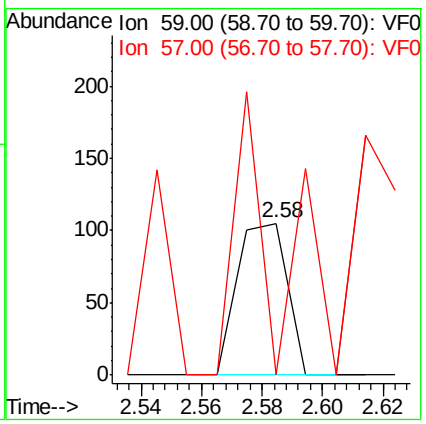


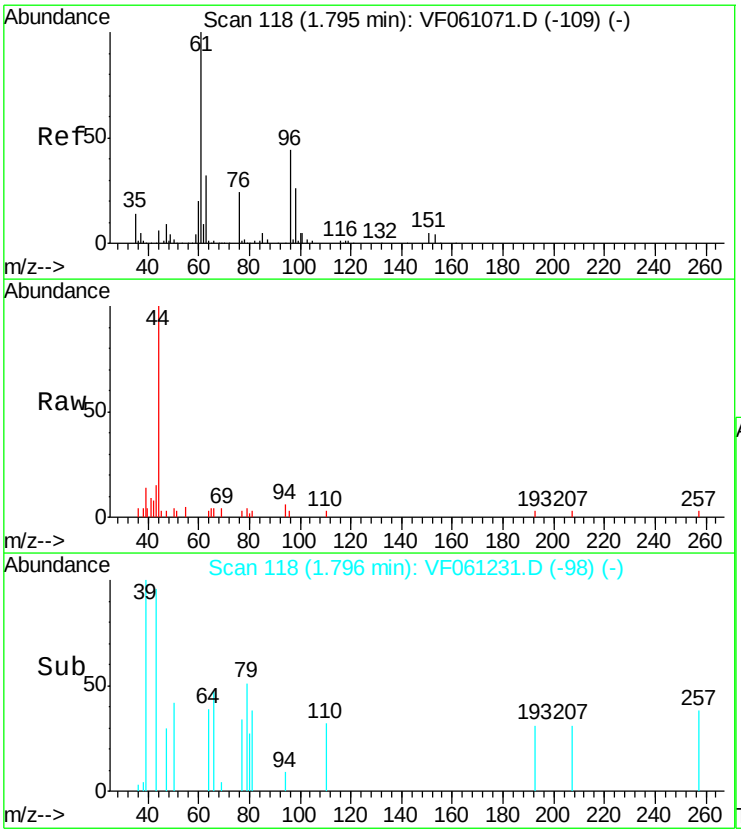
#11
Tert butyl alcohol
Concen: 33.300 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 59 Resp: 121

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.5	17.3#

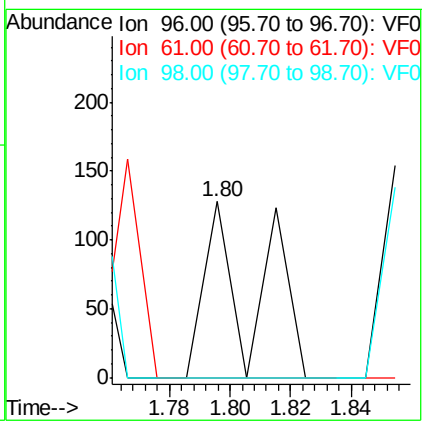


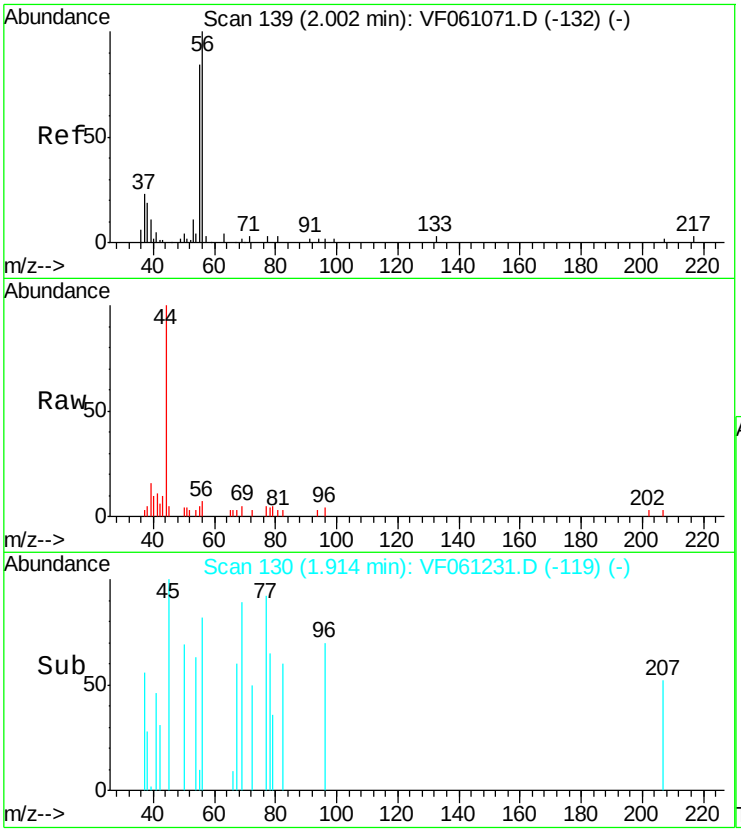


#12
1,1-Dichloroethene
Concen: 2.414 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 96 Resp: 149

Ion	Ratio	Lower	Upper
96	100		
61	0.0	182.0	273.0#
98	0.0	46.5	69.7#



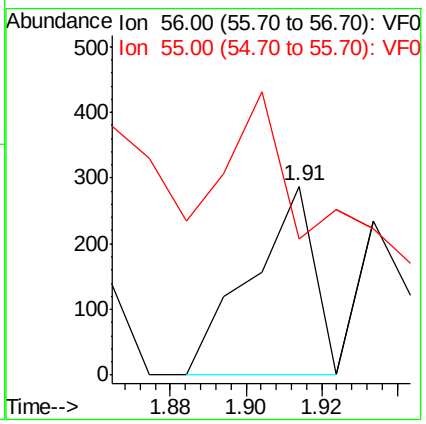


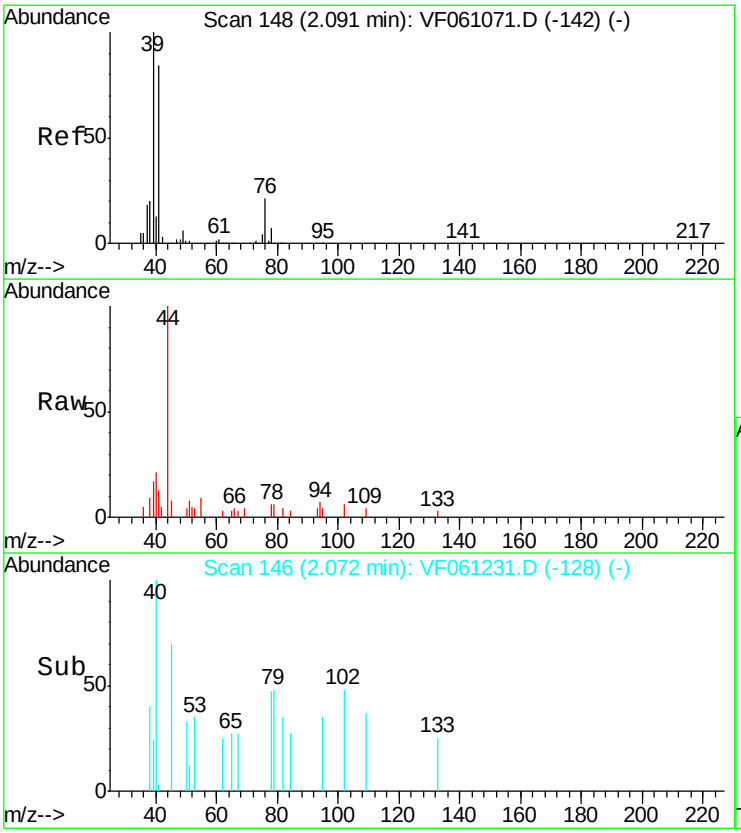
#13
Acrolein
Concen: 127.205 ug/l
RT: 1.91 min Scan# 130
Delta R.T. -0.09 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 56 Resp: 334

Ion	Ratio	Lower	Upper
56	100		
55	72.2	70.2	105.2

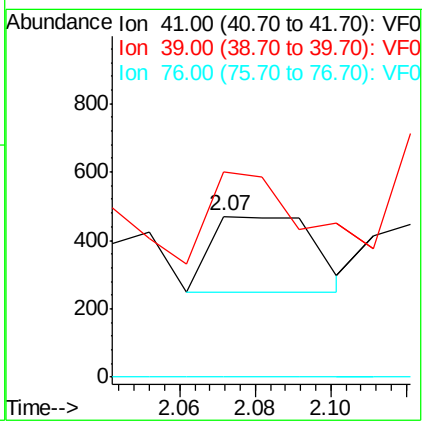


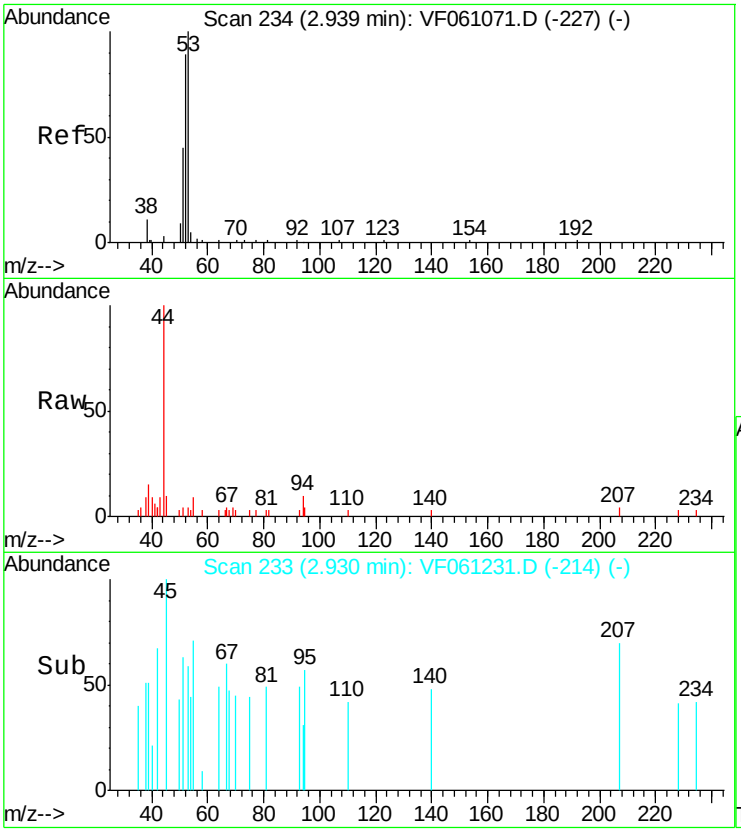


#14
Allyl chloride
Concen: 6.524 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 41 Resp: 419

Ion	Ratio	Lower	Upper
41	100		
39	127.9	96.4	144.6
76	0.0	25.4	38.0#



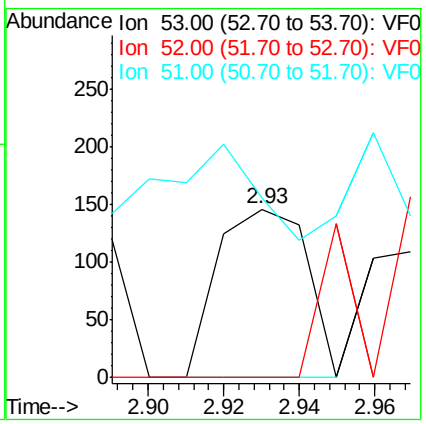


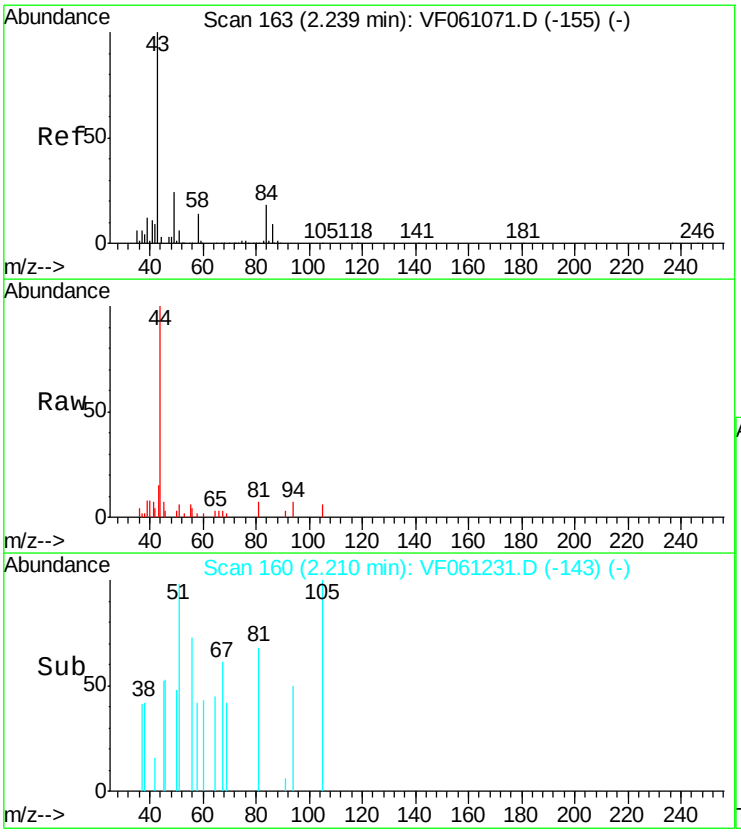
#15
Acrylonitrile
Concen: 28.325 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 53 Resp: 238

Ion	Ratio	Lower	Upper
53	100		
52	0.0	71.3	106.9#
51	106.8	36.8	55.2#

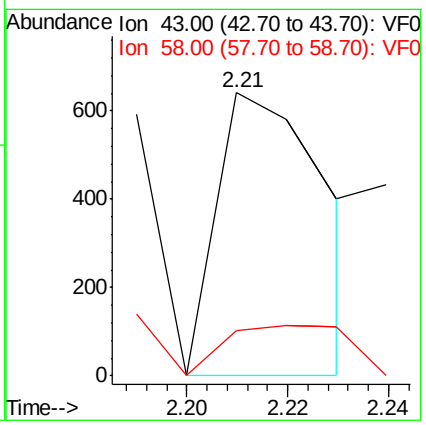


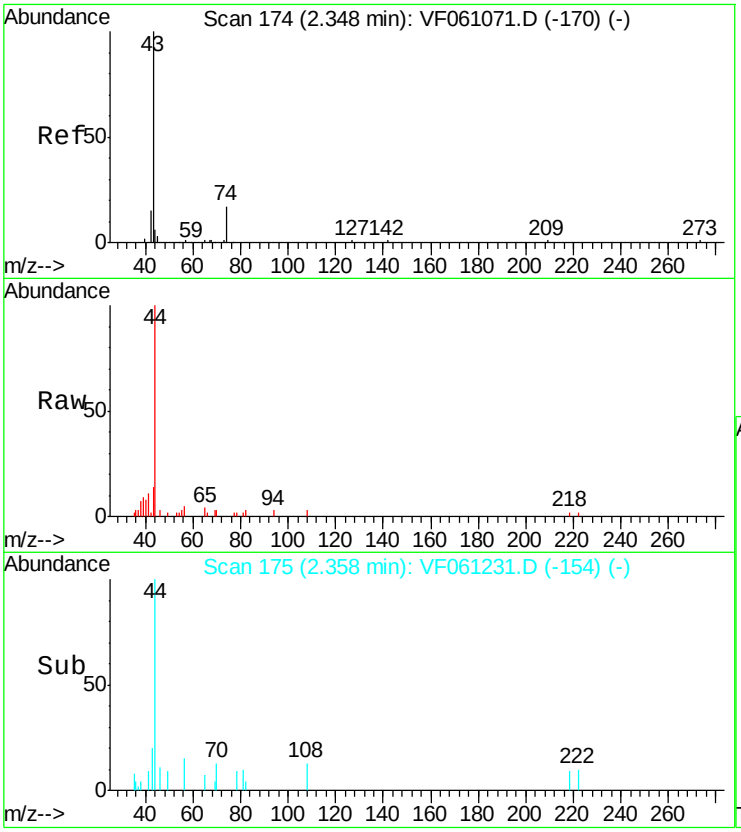


#16
Acetone
Concen: 53.386 ug/l
RT: 2.21 min Scan# 160
Delta R.T. -0.03 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 43 Resp: 961

Ion	Ratio	Lower	Upper
43	100		
58	15.9	11.1	16.7



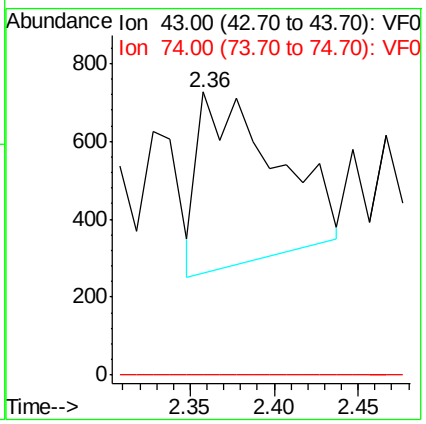


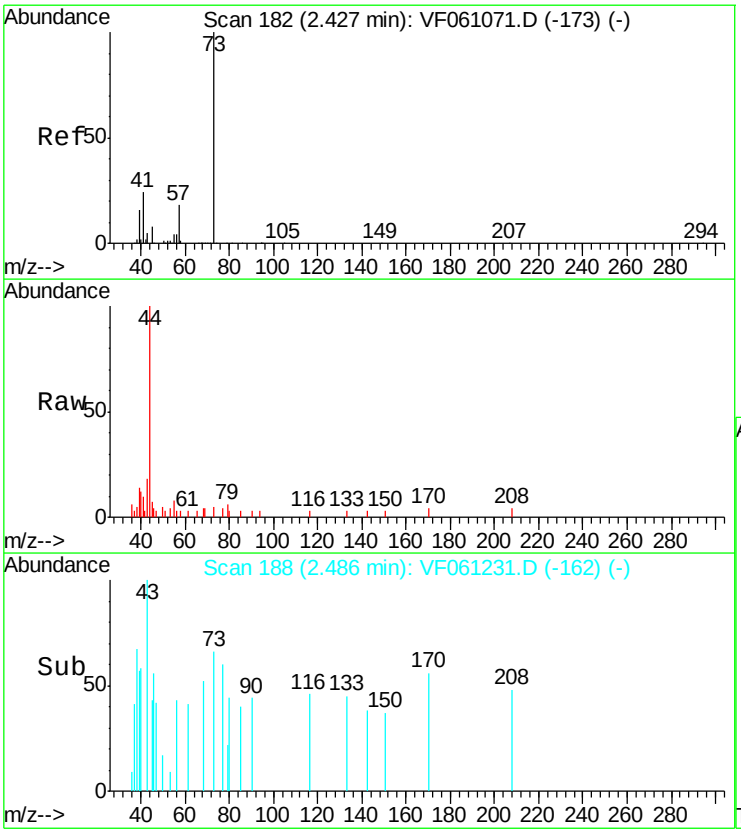
#18
Methyl Acetate
Concen: 38.343 ug/l
RT: 2.36 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 43 Resp: 1428

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.0	16.6#

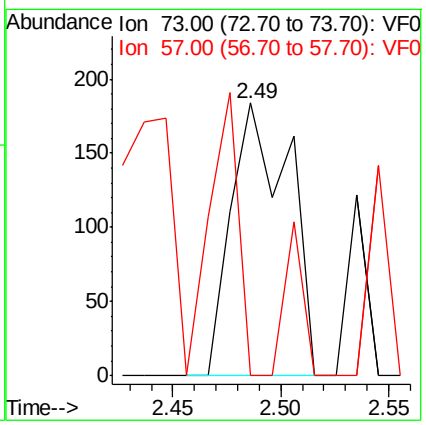


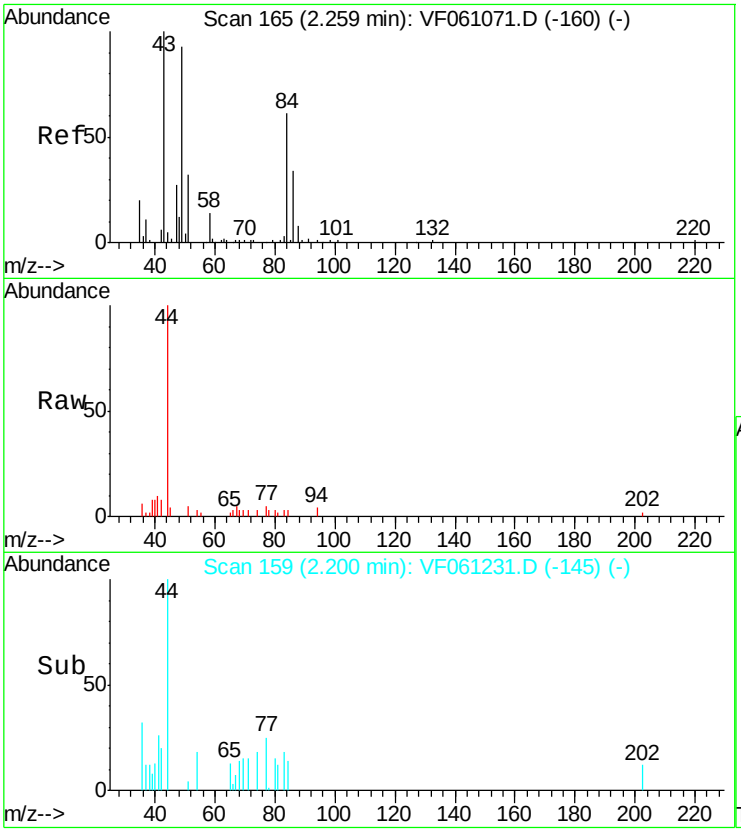


#19
Methyl tert-butyl Ether
Concen: 2.497 ug/l
RT: 2.49 min Scan# 188
Delta R.T. 0.06 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 73 Resp: 342

Ion	Ratio	Lower	Upper
73	100		
57	0.0	14.5	21.7#



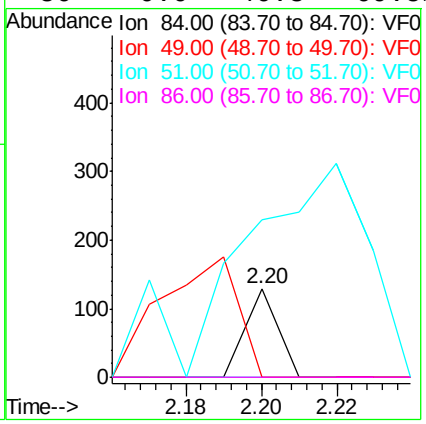


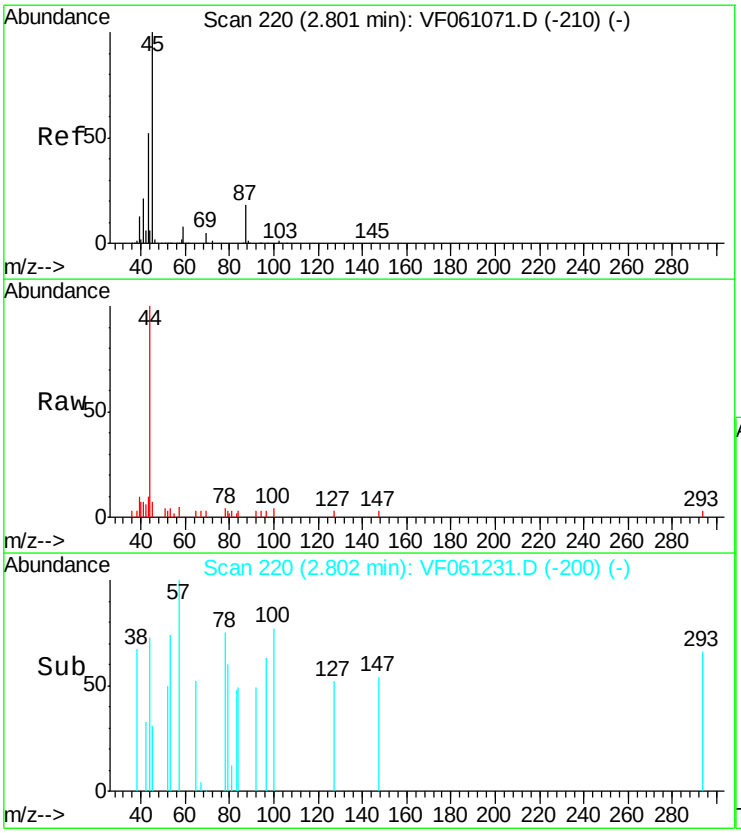
#20
Methylene Chloride
Concen: Below Cal
RT: 2.20 min Scan# 159
Delta R.T. -0.06 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 84 Resp: 76

Ion	Ratio	Lower	Upper
84	100		
49	0.0	129.4	194.2#
51	177.5	44.0	66.0#
86	0.0	46.3	69.5#

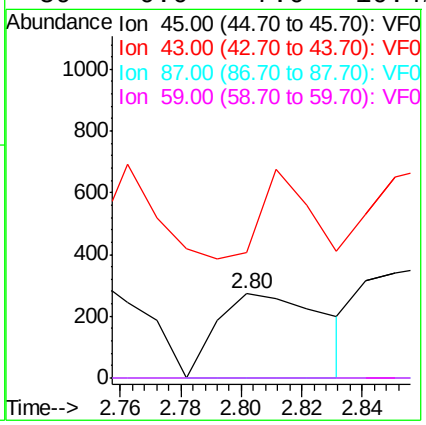


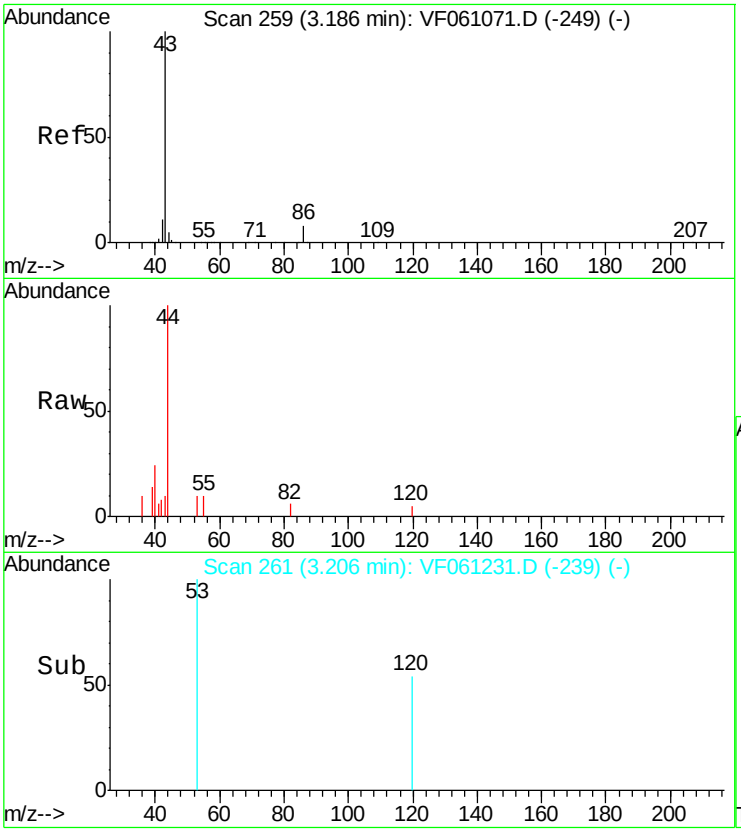


#22
Diisopropyl ether
Concen: 3.146 ug/l
RT: 2.80 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 45 Resp: 673

Ion	Ratio	Lower	Upper
45	100		
43	148.4	42.2	63.2#
87	0.0	14.6	22.0#
59	0.0	7.0	10.4#



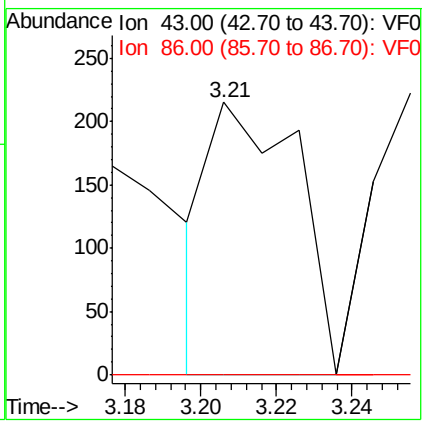


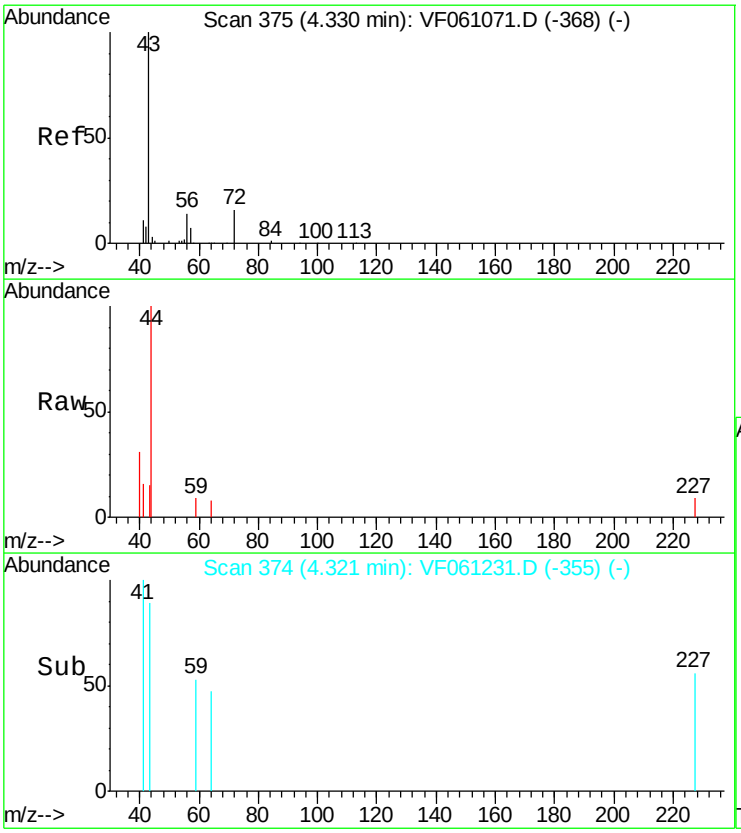
#23
Vinyl Acetate
Concen: 3.496 ug/l
RT: 3.21 min Scan# 261
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 43 Resp: 345

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.3	9.5#

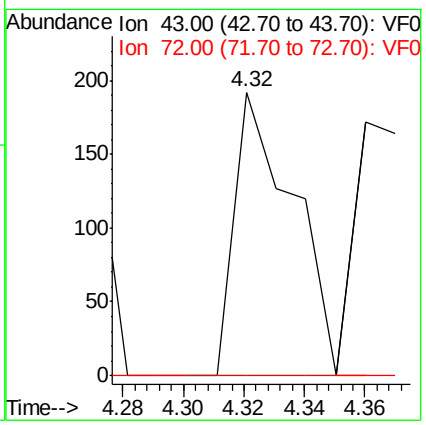


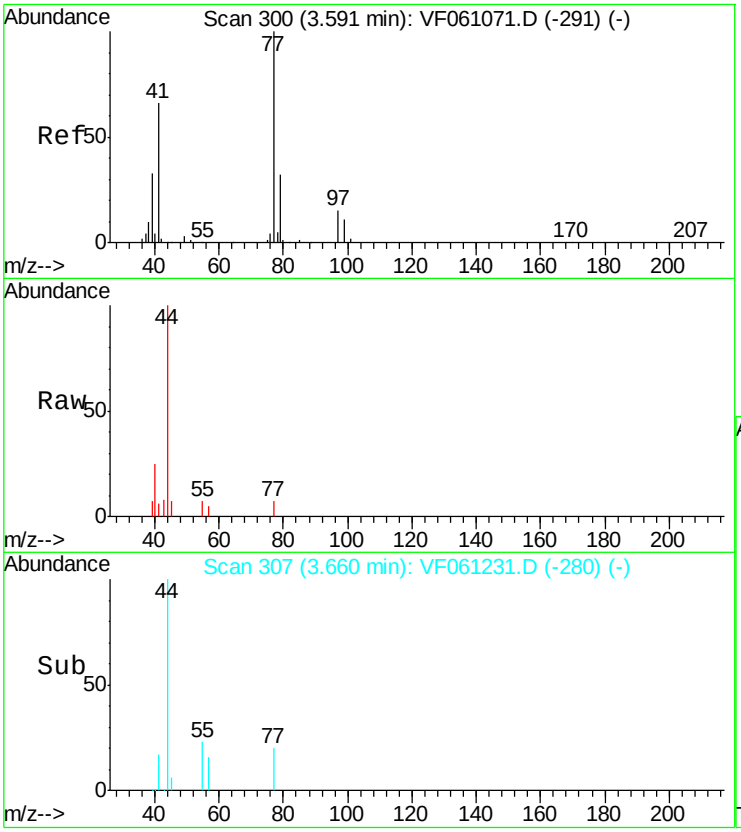


#25
2-Butanone
Concen: 8.906 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 43 Resp: 260

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.6	23.4#



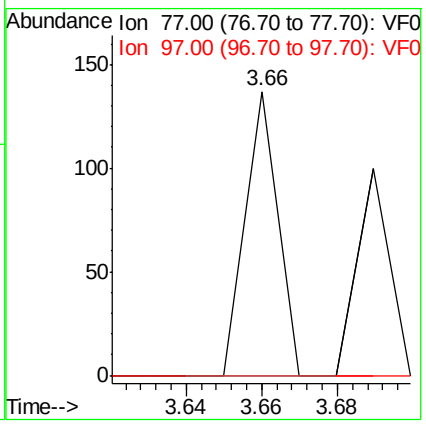


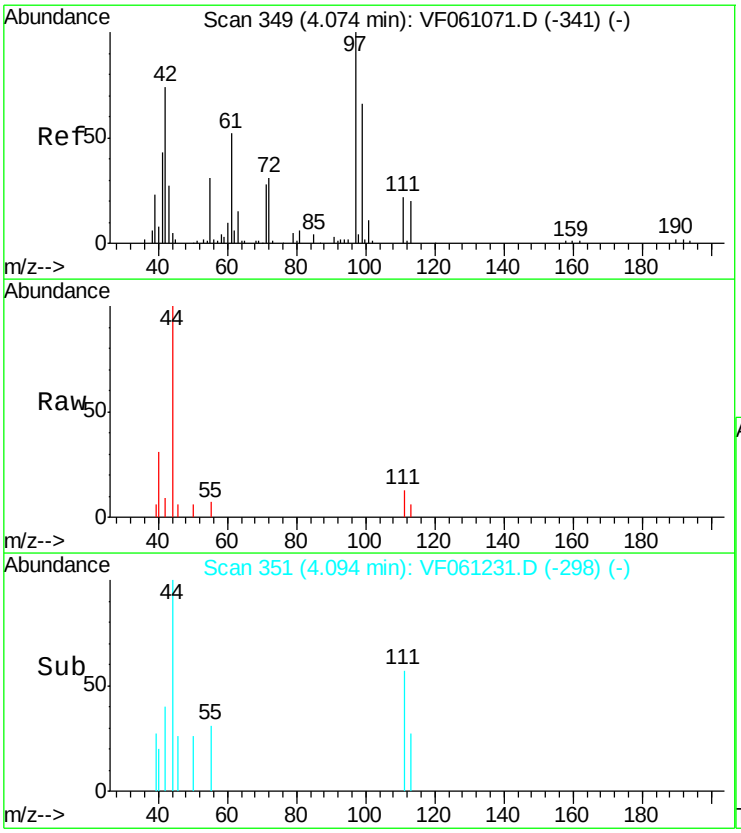
#26
2,2-Dichloropropane
Concen: 1.114 ug/l
RT: 3.66 min Scan# 307
Delta R.T. 0.07 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 77 Resp: 81

Ion	Ratio	Lower	Upper
77	100		
97	0.0	8.2	24.4#

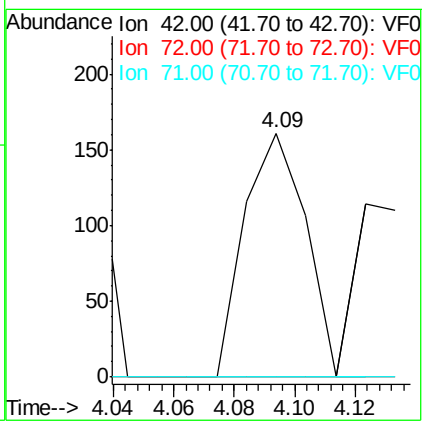


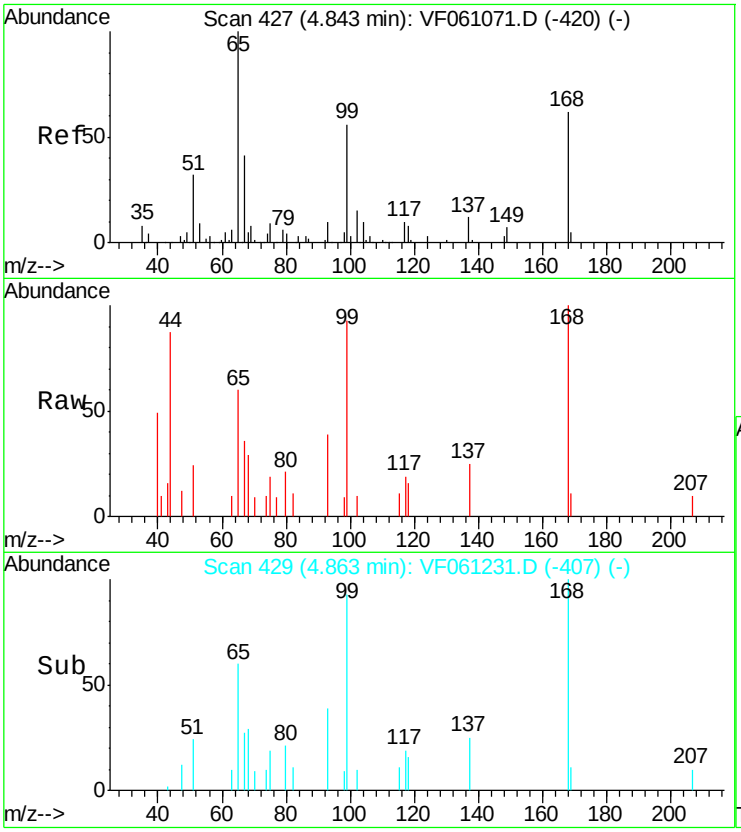


#29
Tetrahydrofuran
Concen: 19.104 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 42 Resp: 227

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



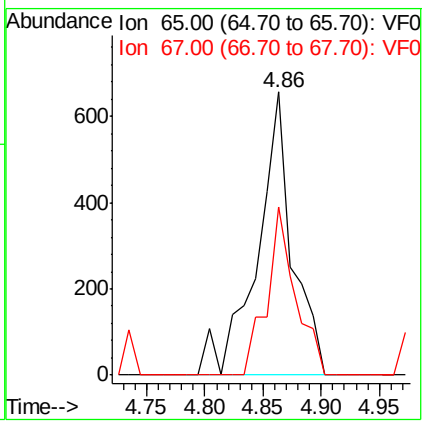


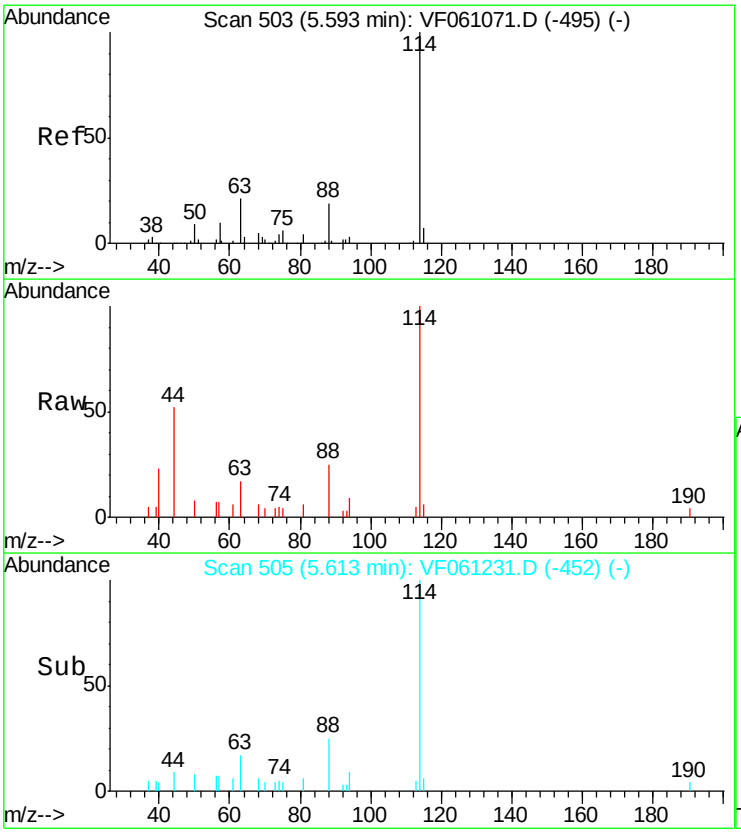
#33
1,2-Dichloroethane-d4
Concen: 15.237 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
S72-0054RE

Tgt Ion: 65 Resp: 1372

Ion	Ratio	Lower	Upper
65	100		
67	59.4	0.0	94.6

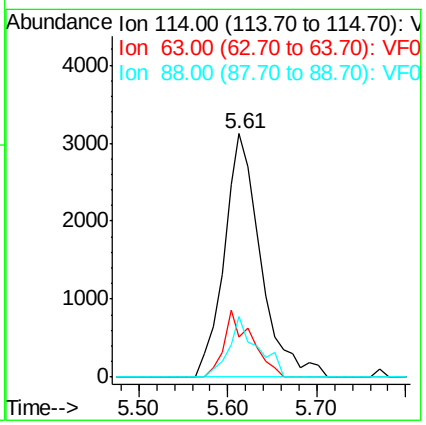


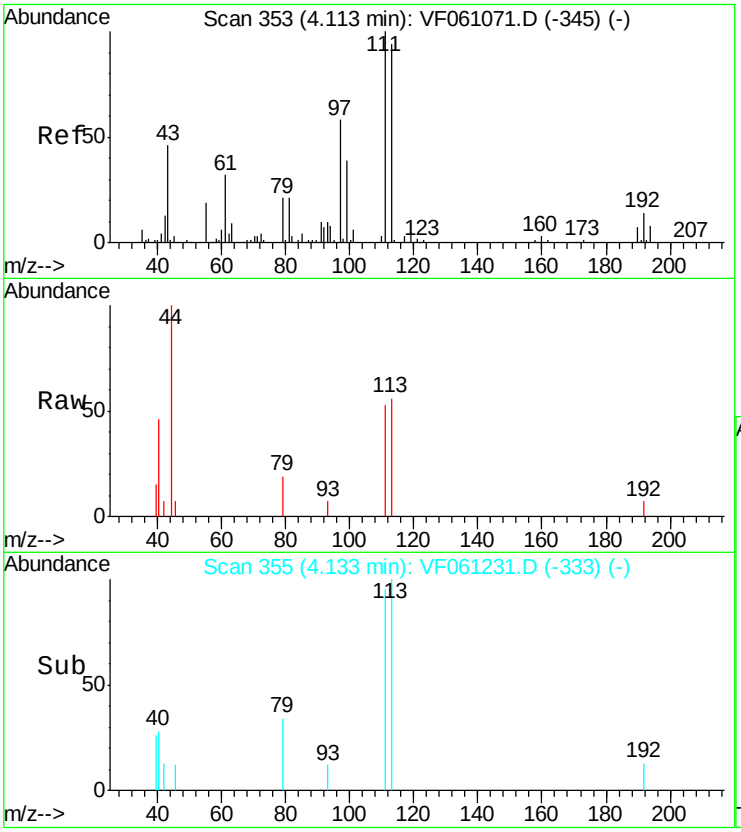


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion:114 Resp: 8928

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	41.6
88	24.8	0.0	38.0



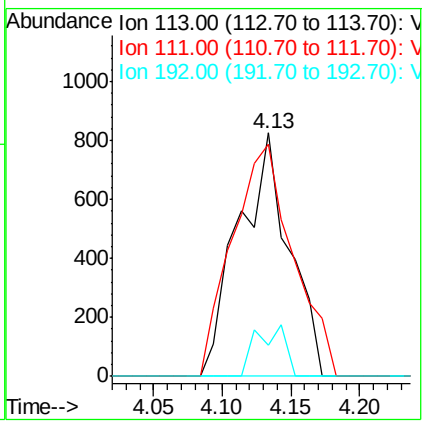


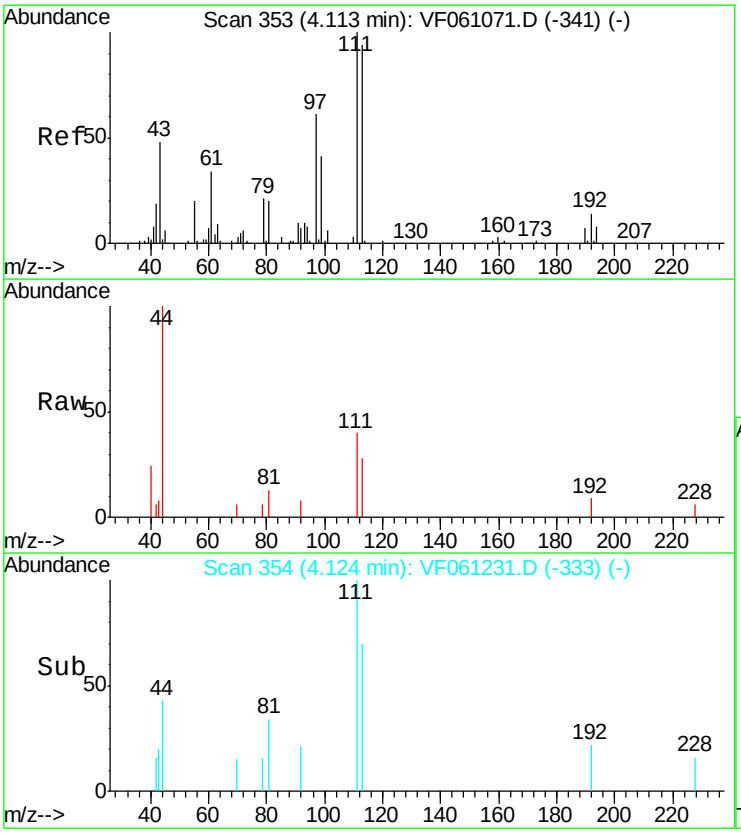
#35
Dibromofluoromethane
Concen: 29.601 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion:113 Resp: 2117

Ion	Ratio	Lower	Upper
113	100		
111	95.2	85.2	127.8
192	12.7	12.8	19.2#

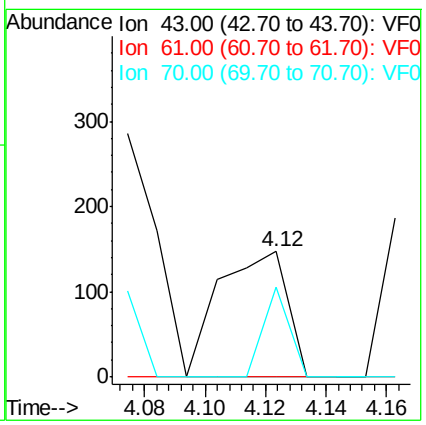


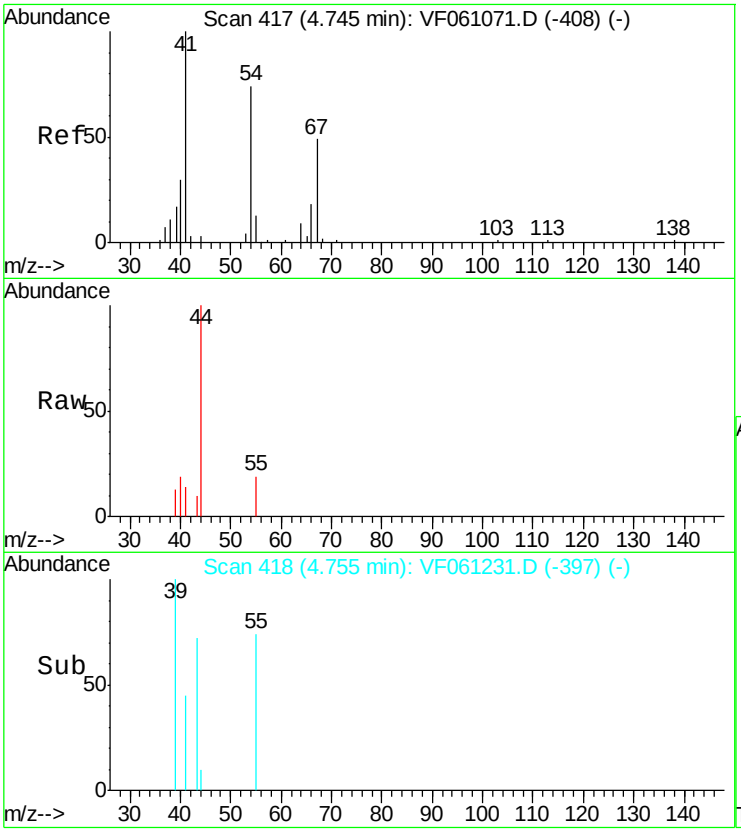


#37
Ethyl Acetate
Concen: 4.625 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 43 Resp: 231

Ion	Ratio	Lower	Upper
43	100		
61	0.0	56.6	84.8#
70	72.1	6.3	9.5#



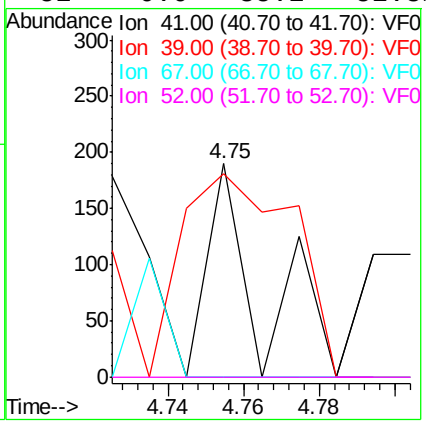


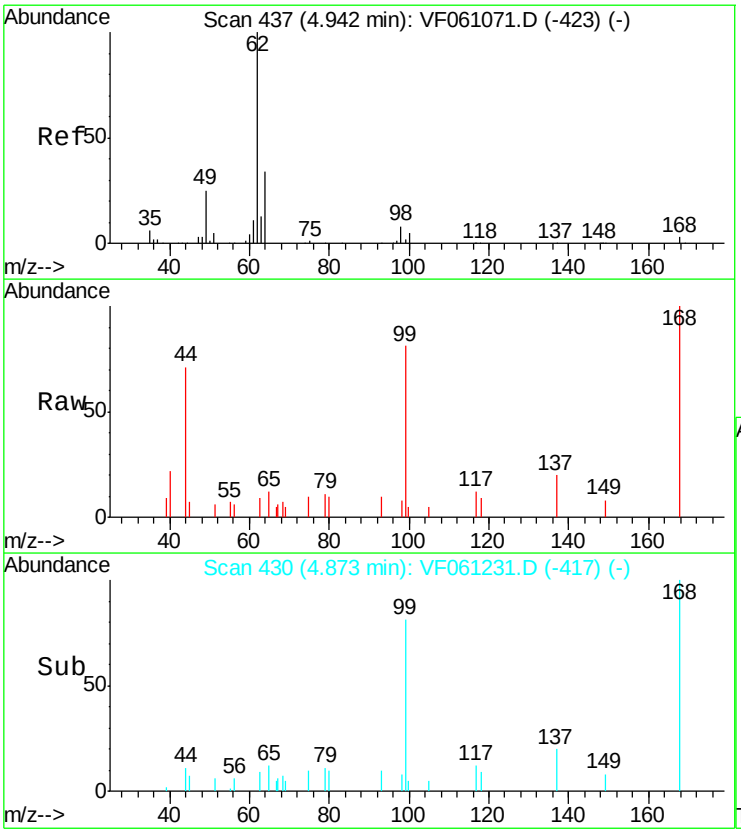
#41
Methacrylonitrile
Concen: 8.172 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
S72-0054RE

Tgt Ion: 41 Resp: 186

Ion	Ratio	Lower	Upper
41	100		
39	95.3	45.7	68.5#
67	0.0	38.9	58.3#
52	0.0	35.2	52.8#

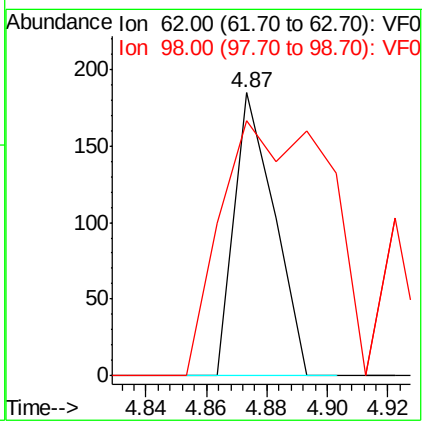


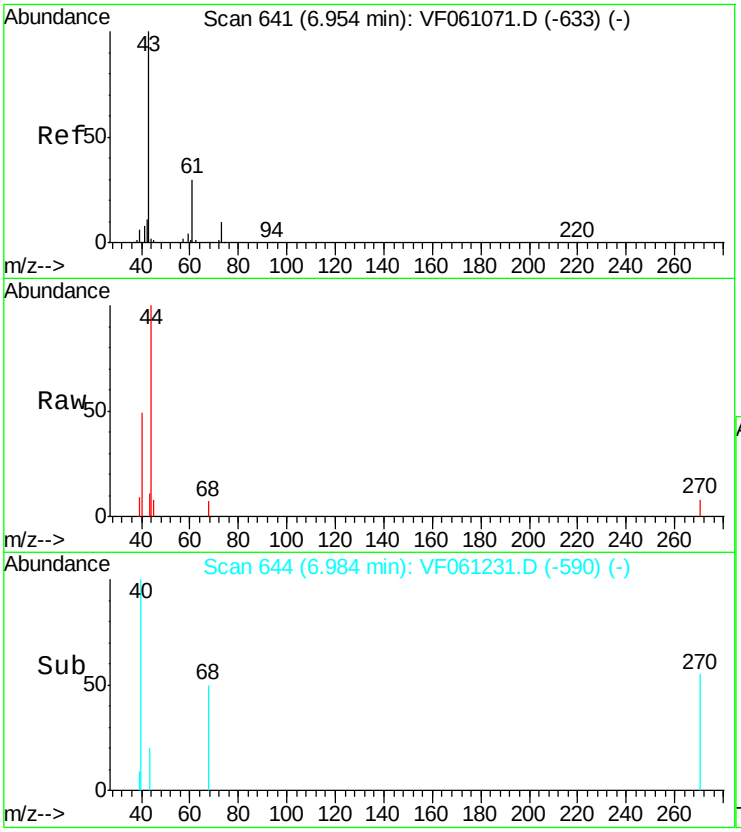


#42
1,2-Dichloroethane
Concen: 1.931 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.07 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 62 Resp: 170

Ion	Ratio	Lower	Upper
62	100		
98	90.3	0.0	16.6#



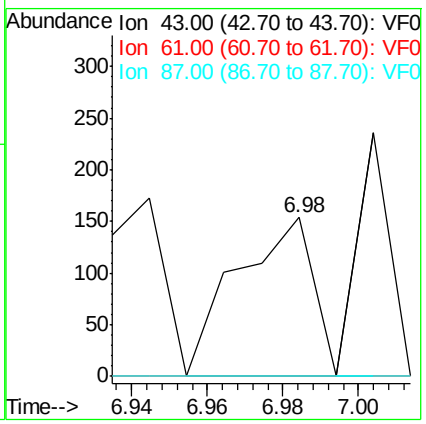


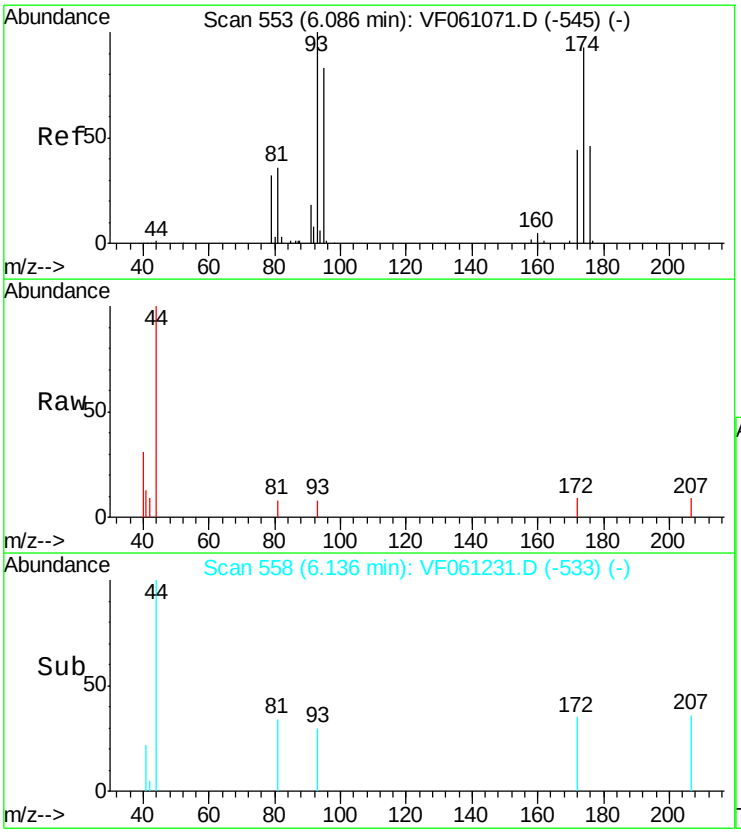
#43
Isopropyl Acetate
Concen: 4.151 ug/l
RT: 6.98 min Scan# 644
Delta R.T. 0.03 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 43 Resp: 216

Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.0	0.0

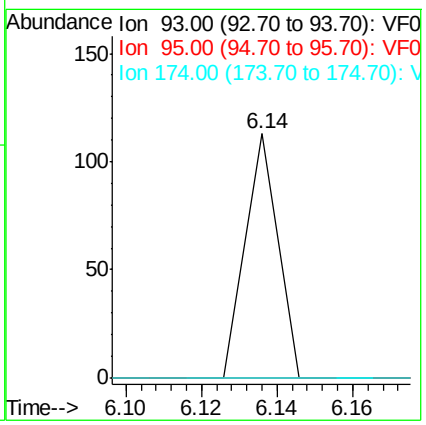


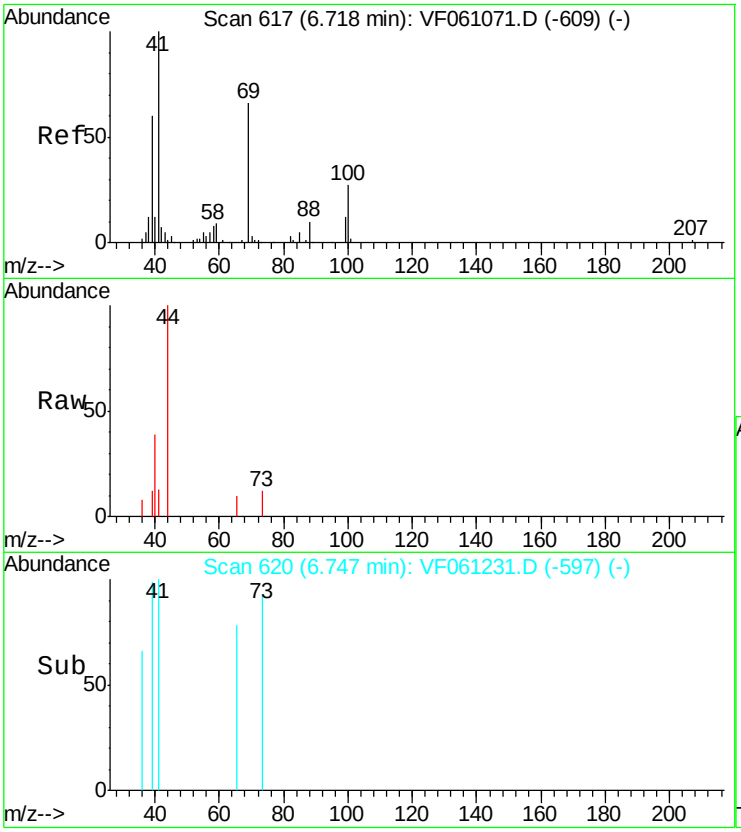


#46
Dibromomethane
Concen: 1.638 ug/l
RT: 6.14 min Scan# 558
Delta R.T. 0.05 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 93 Resp: 67

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.9	100.3#
174	0.0	74.1	111.1#



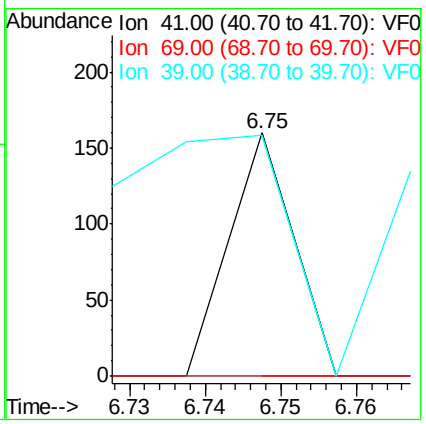


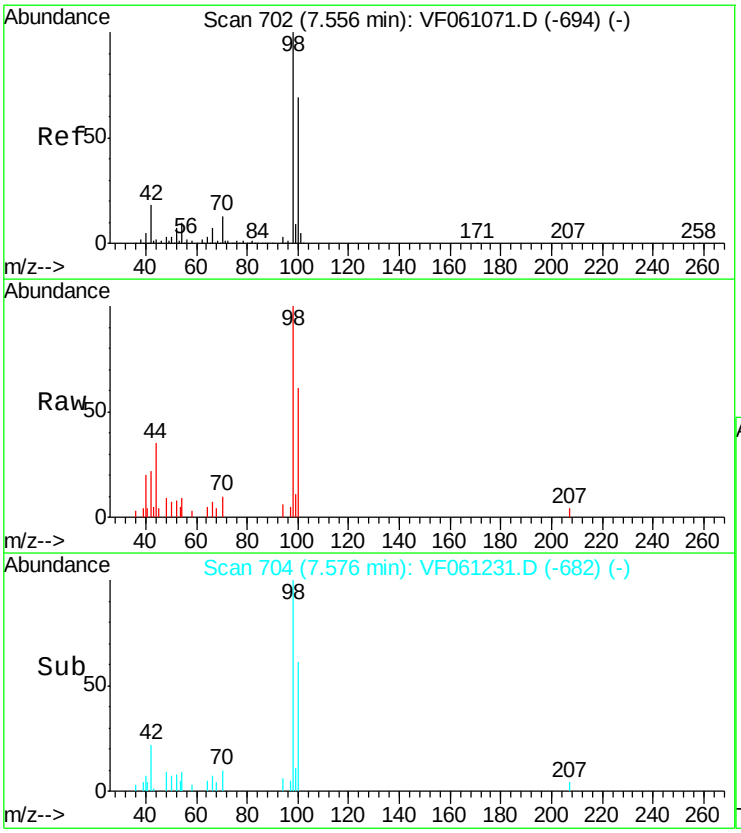
#48
Methyl methacrylate
Concen: 2.615 ug/l
RT: 6.75 min Scan# 620
Delta R.T. 0.03 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 41 Resp: 95

Ion	Ratio	Lower	Upper
41	100		
69	0.0	52.7	79.1#
39	98.8	47.8	71.6#

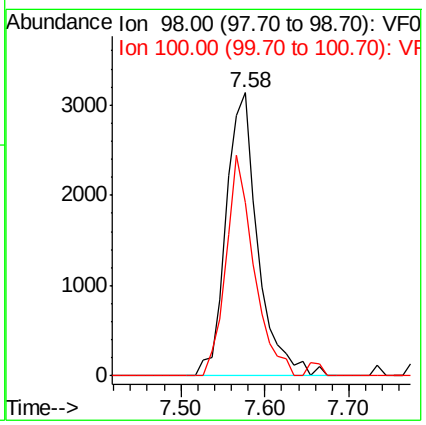


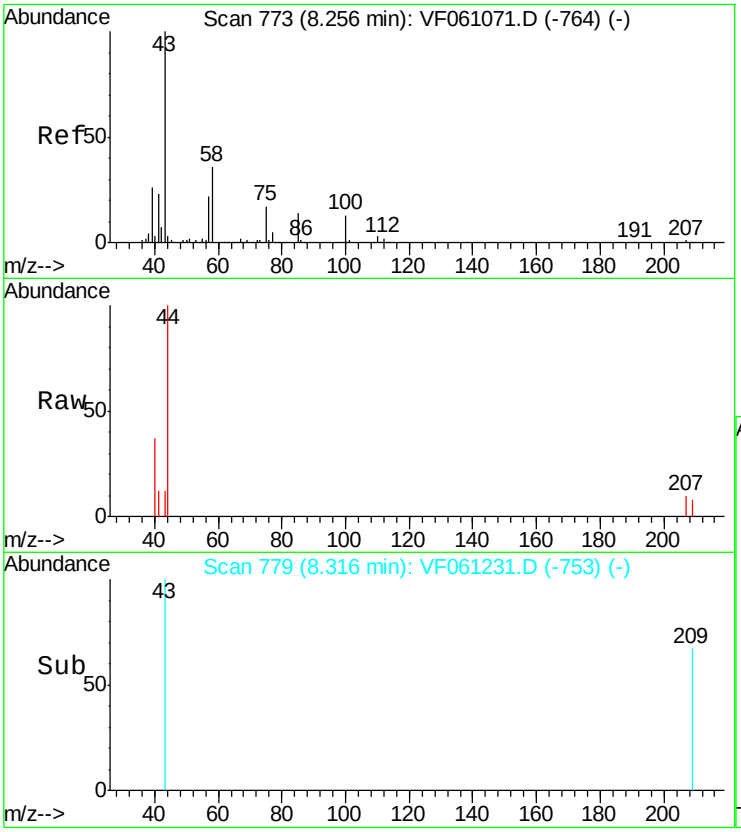


#50
Toluene-d8
Concen: 40.568 ug/l
RT: 7.58 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 98 Resp: 8222

Ion	Ratio	Lower	Upper
98	100		
100	61.0	55.3	82.9



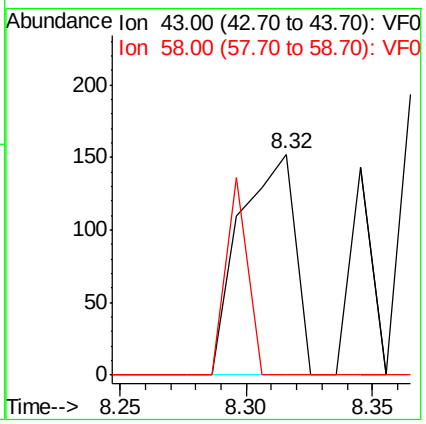


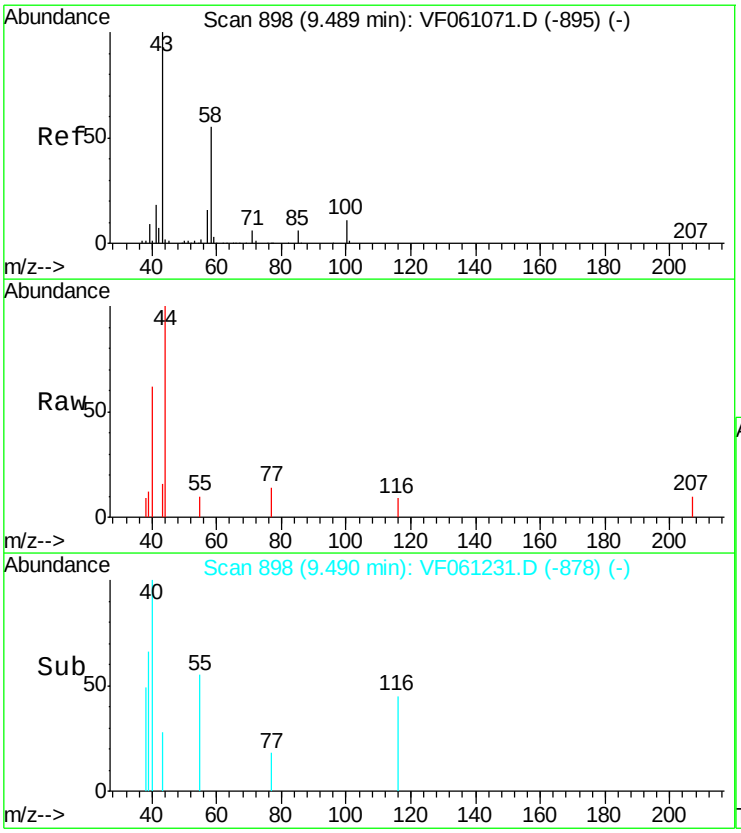
#51
4-Methyl-2-Pentanone
Concen: 6.473 ug/l
RT: 8.32 min Scan# 779
Delta R.T. 0.06 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
S72-0054RE

Tgt Ion: 43 Resp: 231

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#

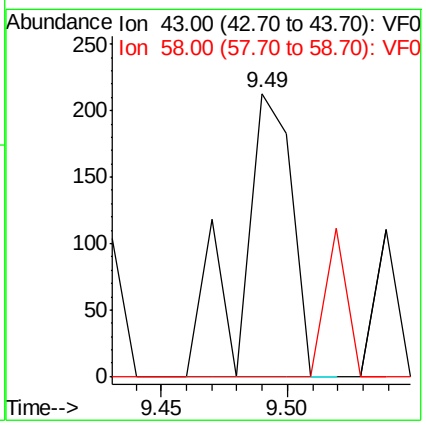


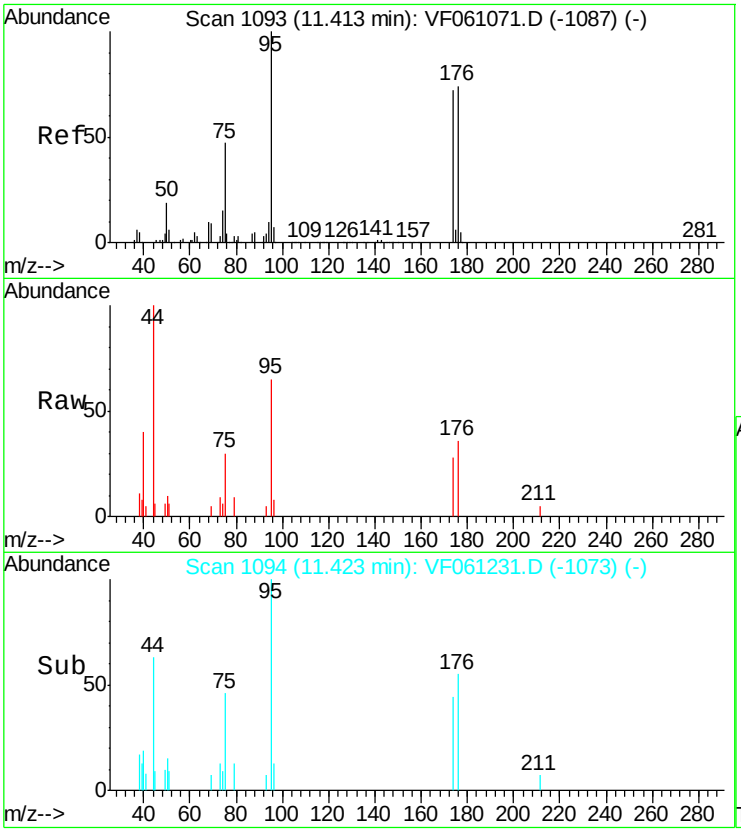


#59
2-Hexanone
Concen: 11.779 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 43 Resp: 304

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.1	75.2#



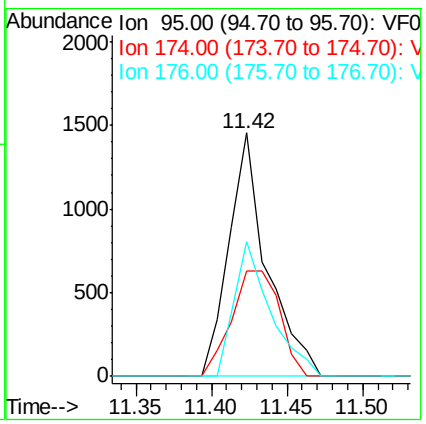


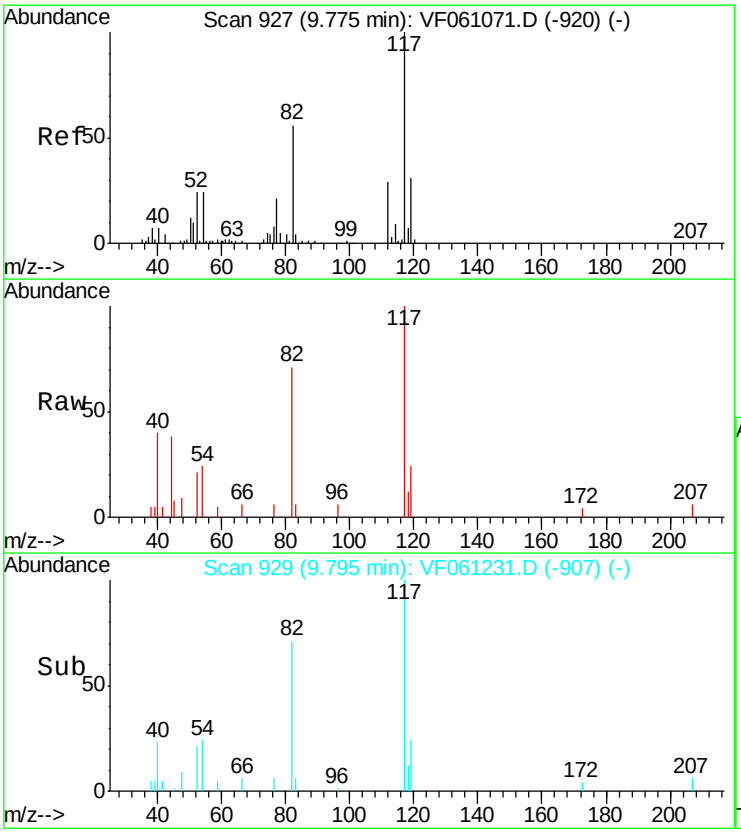
#62
4-Bromofluorobenzene
Concen: 27.227 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
S72-0054RE

Tgt Ion: 95 Resp: 2544

Ion	Ratio	Lower	Upper
95	100		
174	43.5	0.0	143.8
176	55.3	0.0	147.6

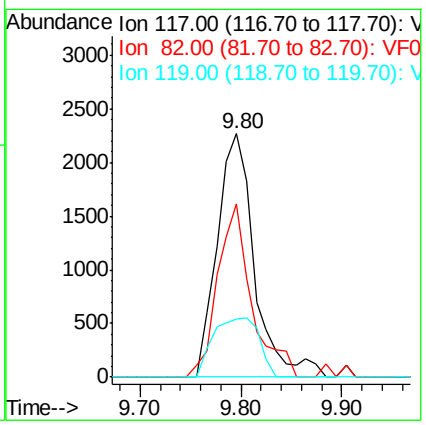


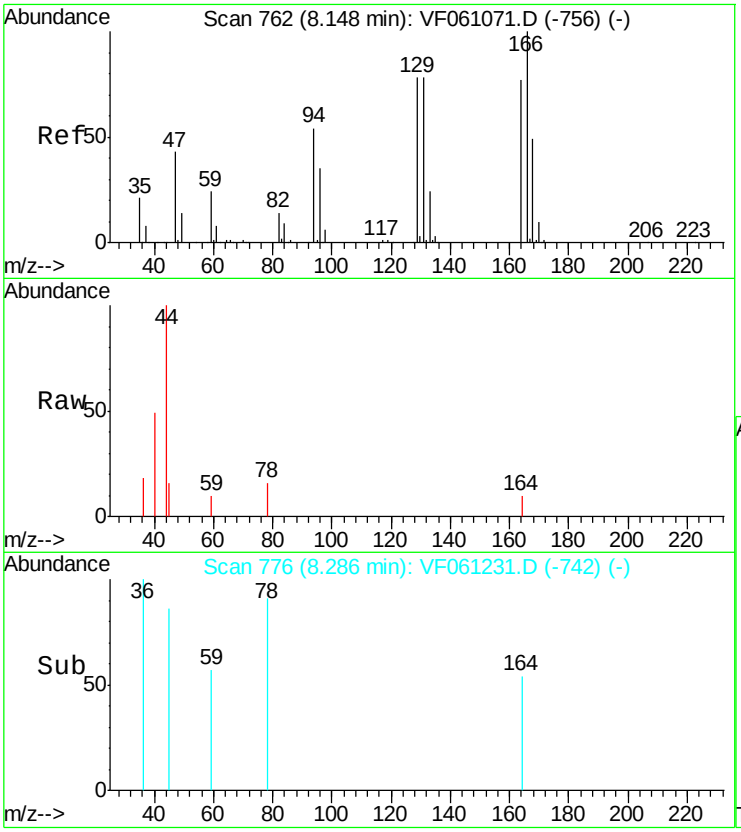


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion:117 Resp: 5825

Ion	Ratio	Lower	Upper
117	100		
82	71.0	45.0	67.4#
119	23.7	24.8	37.2#



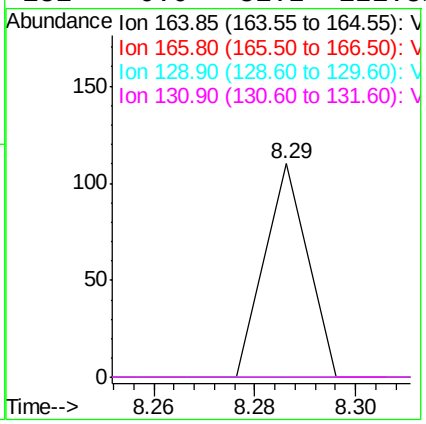


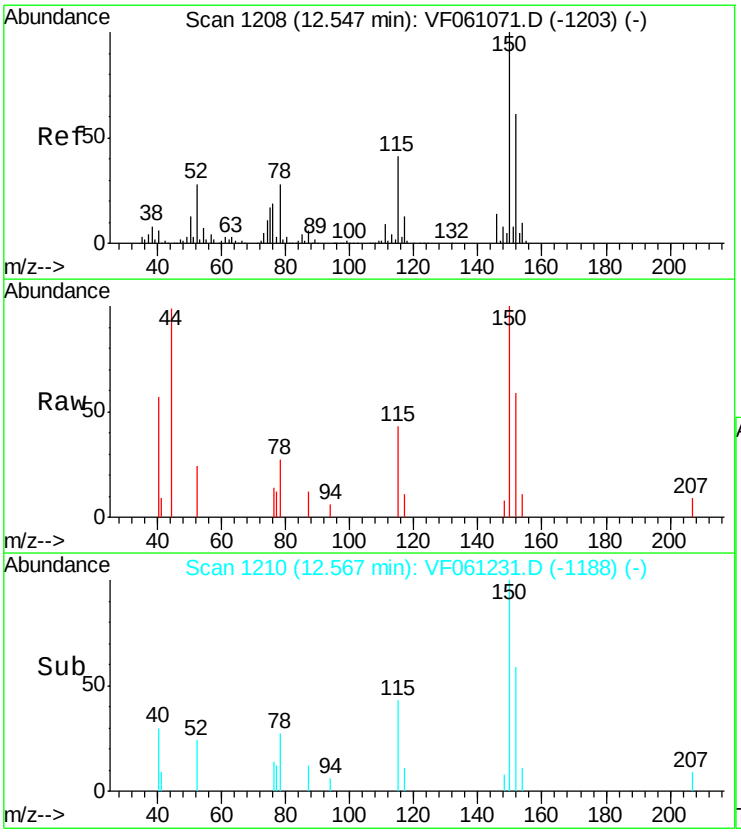
#64
Tetrachloroethene
Concen: 1.451 ug/l
RT: 8.29 min Scan# 776
Delta R.T. 0.14 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion:164 Resp: 65

Ion	Ratio	Lower	Upper
164	100		
166	0.0	104.0	156.0#
129	0.0	81.1	121.7#
131	0.0	81.2	121.8#

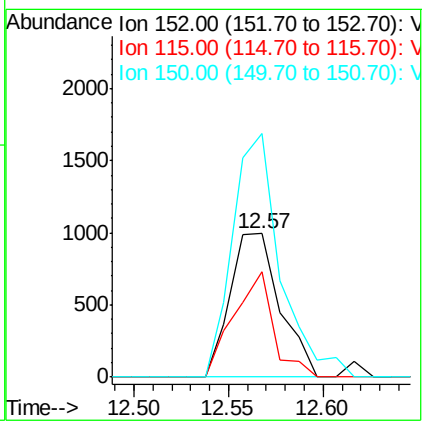


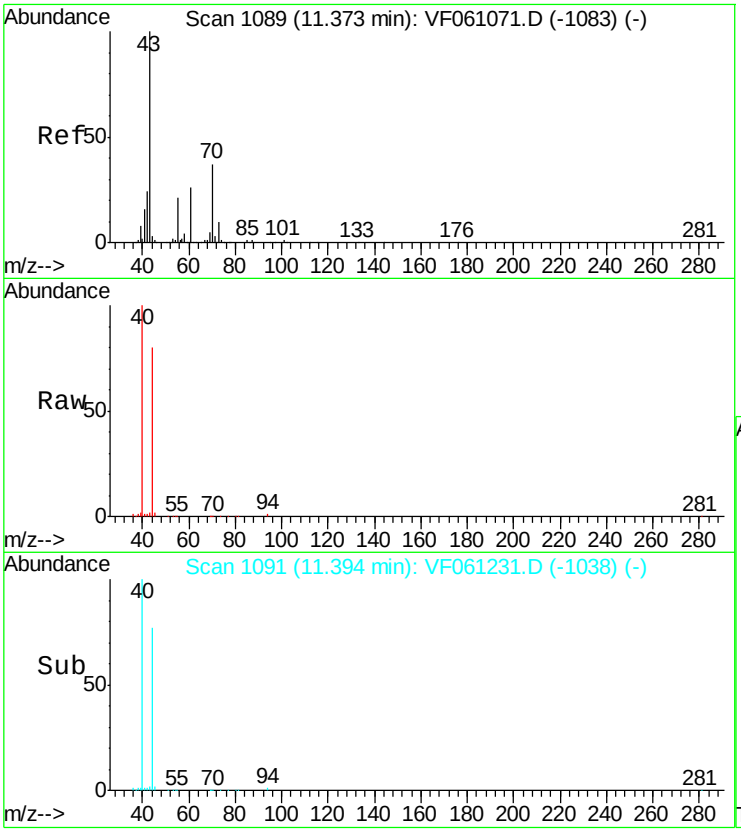


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion:152 Resp: 1822

Ion	Ratio	Lower	Upper
152	100		
115	73.2	33.3	99.9
150	169.6	0.0	328.2



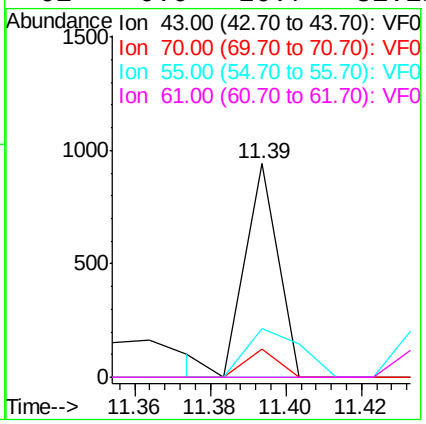


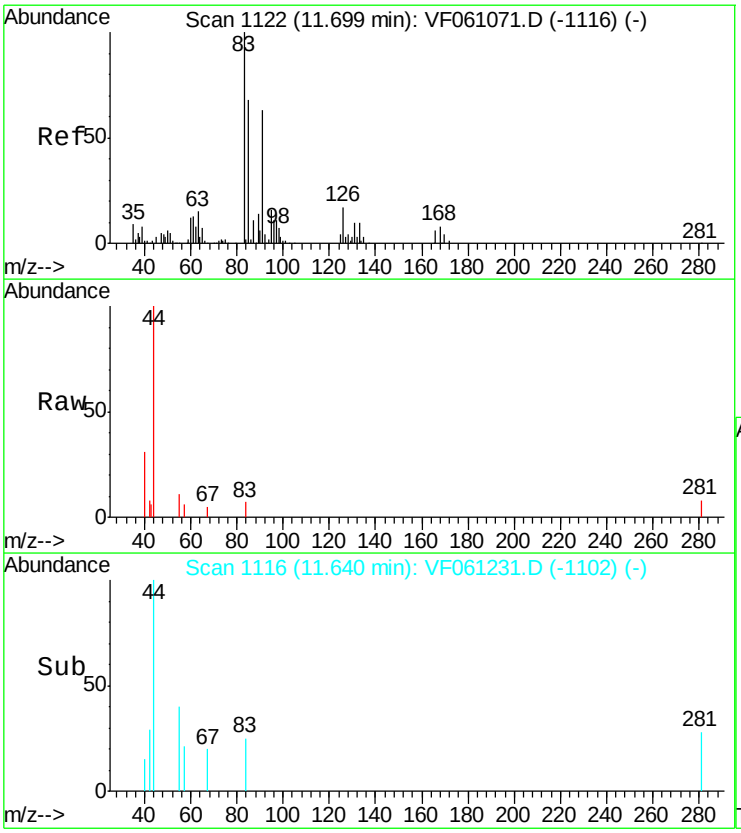
#74
N-amyl acetate
Concen: 15.979 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion: 43 Resp: 557

Ion	Ratio	Lower	Upper
43	100		
70	13.3	29.2	43.8#
55	22.7	16.5	24.7
61	0.0	20.7	31.1#

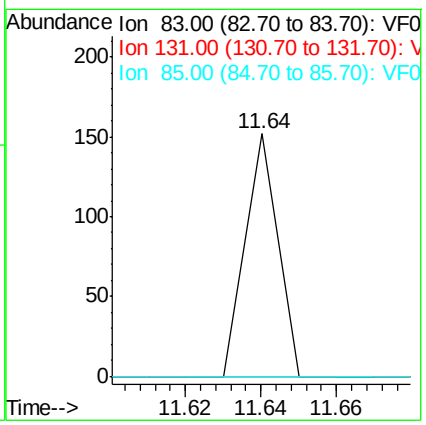


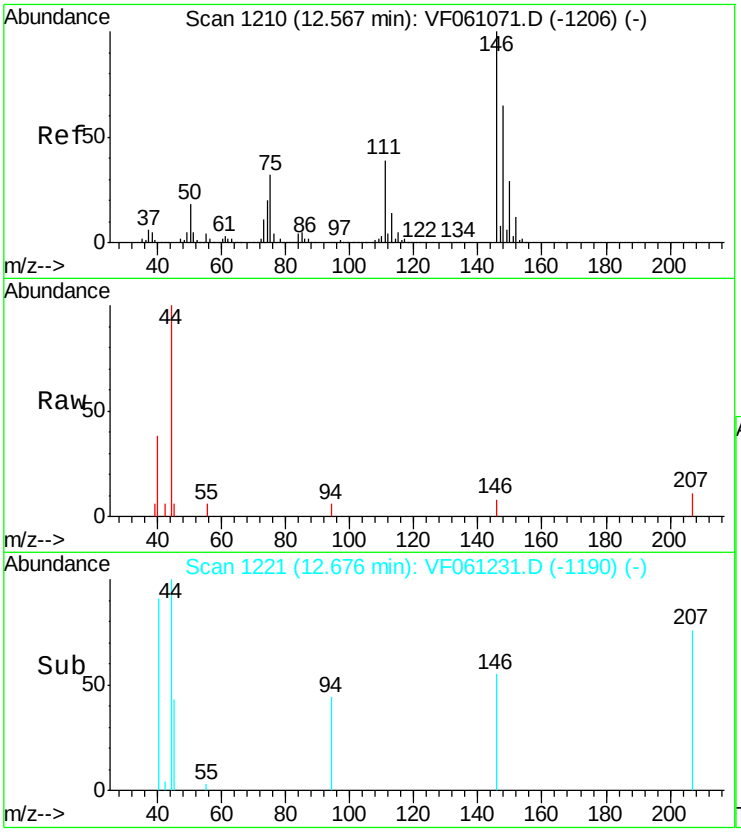


#75
1,1,2,2-Tetrachloroethane
Concen: 3.454 ug/l
RT: 11.64 min Scan# 1116
Delta R.T. -0.06 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion: 83 Resp: 90

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	33.9	101.6#



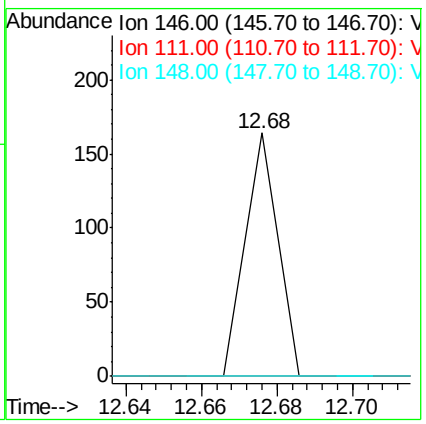


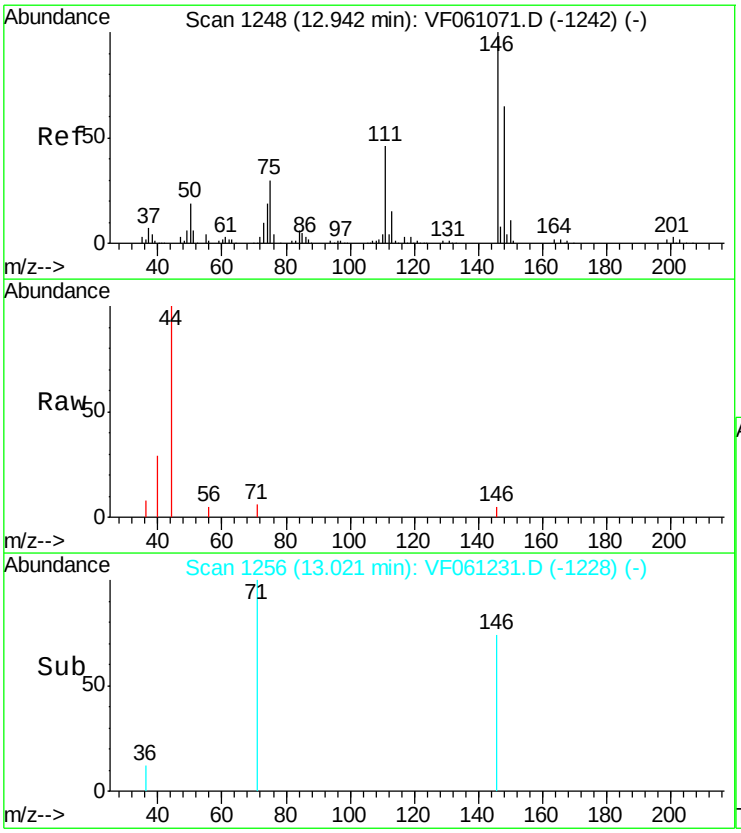
#88
1,4-Dichlorobenzene
Concen: 1.563 ug/l
RT: 12.68 min Scan# 1221
Delta R.T. 0.11 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument : MSVOA_F
ClientSampleId : S72-0054RE

Tgt Ion:146 Resp: 97

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.4#
148	0.0	32.4	97.0#





#91
1,2-Dichlorobenzene
Concen: 1.059 ug/l
RT: 13.02 min Scan# 1256
Delta R.T. 0.08 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion:146 Resp: 64

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.2	69.5#
148	0.0	32.4	97.0#