Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
Data File : VF061191.D
Acq On : 26 Dec 2018 16:35
Operator : VA/AP
Sample : J6447-11
Misc : 5.52g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P001-SS025-1824-01

Quant Time: Dec 26 23:53:34 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	4.85	168	11998	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	17638	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	10613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	2917	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	3159	20.47	ug/l	0.00
Spiked Amount 50.000			Recovery = 40.94%			
35) Dibromofluoromethane	4.10	113	4398	31.13	ug/l	-0.02
Spiked Amount 50.000			Recovery = 62.26%			
50) Toluene-d8	7.54	98	16170	40.38	ug/l	-0.02
Spiked Amount 50.000			Recovery = 80.76%			
62) 4-Bromofluorobenzene	11.41	95	3637	19.70	ug/l	0.00
Spiked Amount 50.000			Recovery = 39.40%			
Target Compounds						Qvalue
3) Chloromethane	1.09	50	172	1.126	ug/l #	42
5) Bromomethane	1.36	94	555	5.646	ug/l #	3
6) Chloroethane	1.35	64	93	1.424	ug/l #	1
8) Diethyl Ether	1.76	74	66	1.781	ug/l	61
11) Tert butyl alcohol	2.52	59	65	10.438	ug/l #	1
13) Acrolein	1.84	56	278	61.781	ug/l	85
14) Allyl chloride	2.08	41	261	2.371	ug/l #	72
15) Acrylonitrile	2.94	53	147	10.208	ug/l #	12
16) Acetone	2.24	43	1798	58.283	ug/l #	66
18) Methyl Acetate	2.33	43	1152	18.050	ug/l #	90
20) Methylene Chloride	2.24	84	70	Below Cal	#	1
22) Diisopropyl ether	2.81	45	830	2.264	ug/l #	1
23) Vinyl Acetate	3.15	43	294	1.738	ug/l #	78
25) 2-Butanone	4.32	43	149	2.978	ug/l #	57
29) Tetrahydrofuran	4.08	42	257	12.621	ug/l #	67
37) Ethyl Acetate	4.13	43	201	1.935	ug/l #	21
41) Methacrylonitrile	4.70	41	75	1.668	ug/l #	27
48) Methyl methacrylate	6.65	41	166	2.313	ug/l #	19
49) 1,4-Dioxane	6.81	88	80	153.631	ug/l #	23
51) 4-Methyl-2-Pentanone	8.25	43	703	9.971	ug/l #	38
52) Toluene	7.61	92	312	1.029	ug/l #	11
56) Ethyl methacrylate	8.51	69	122	1.241	ug/l #	43
59) 2-Hexanone	9.49	43	1234	24.203	ug/l	72
74) N-amyl acetate	11.33	43	117	2.096	ug/l #	46
87) 1,3-Dichlorobenzene	12.56	146	63	Below Cal	#	25
92) 1,2-Dibromo-3-Chloropropan	13.75	75	88	11.495	ug/l #	2
95) Naphthalene	14.45	128	228	1.820	ug/l #	70

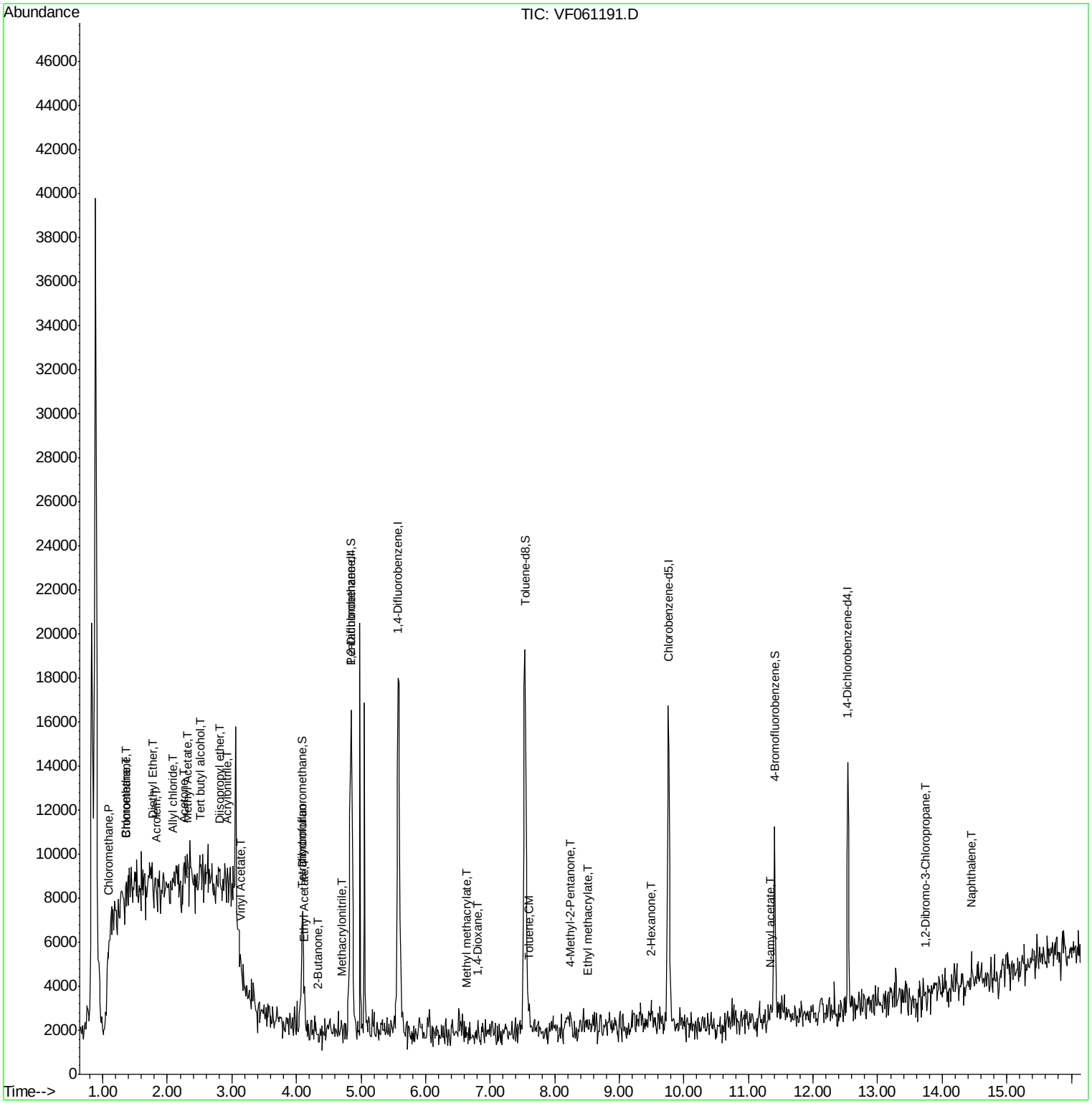
(#) = qualifier out of range (m) = manual integration (+) = signals summed

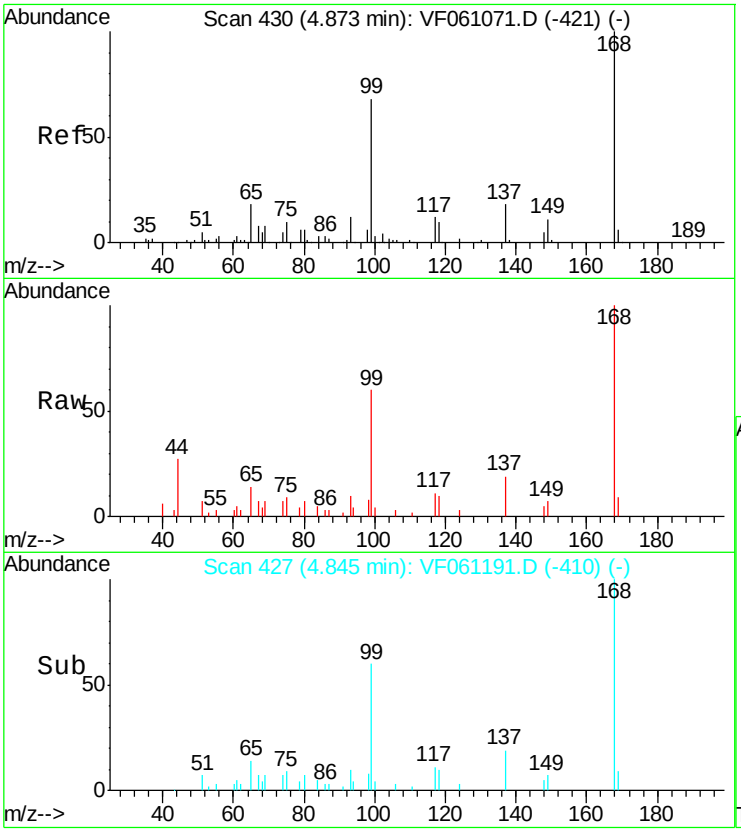
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
Data File : VF061191.D
Acq On : 26 Dec 2018 16:35
Operator : VA/AP
Sample : J6447-11
Misc : 5.52g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Quant Time: Dec 26 23:53:34 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



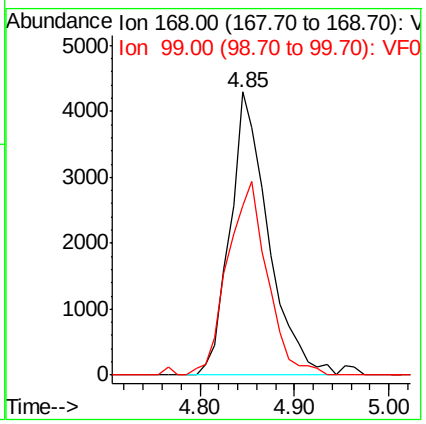


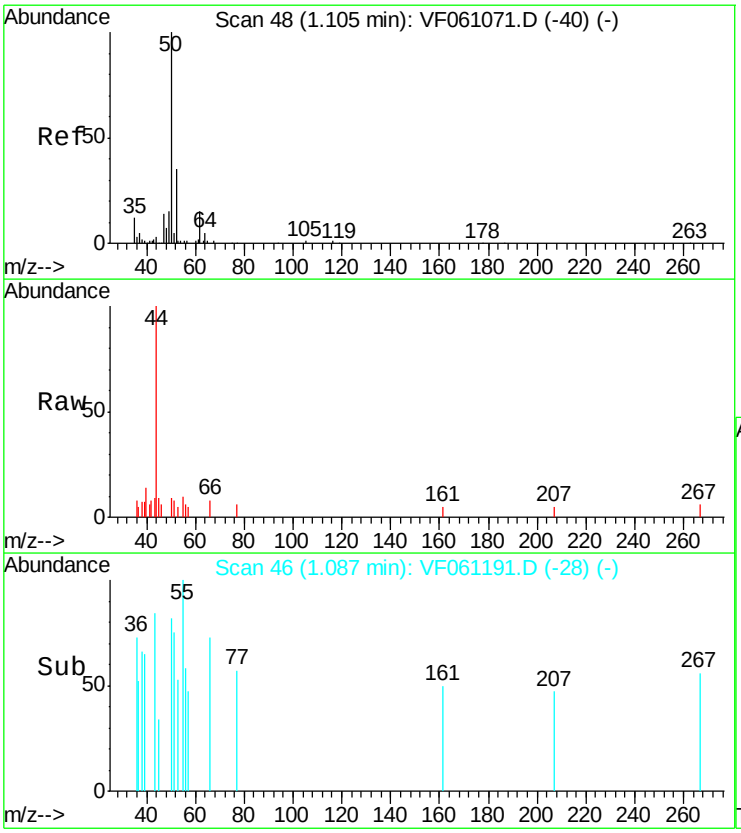
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 427
Delta R.T. -0.03 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion:168 Resp: 11998

Ion	Ratio	Lower	Upper
168	100		
99	59.7	54.4	81.6

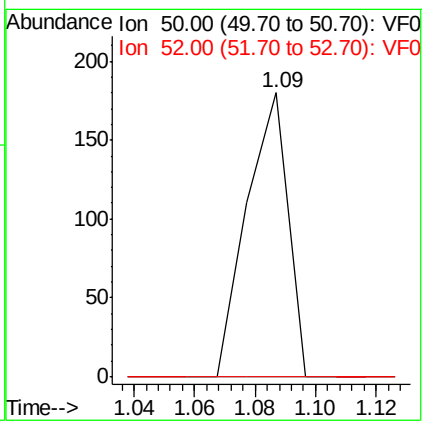


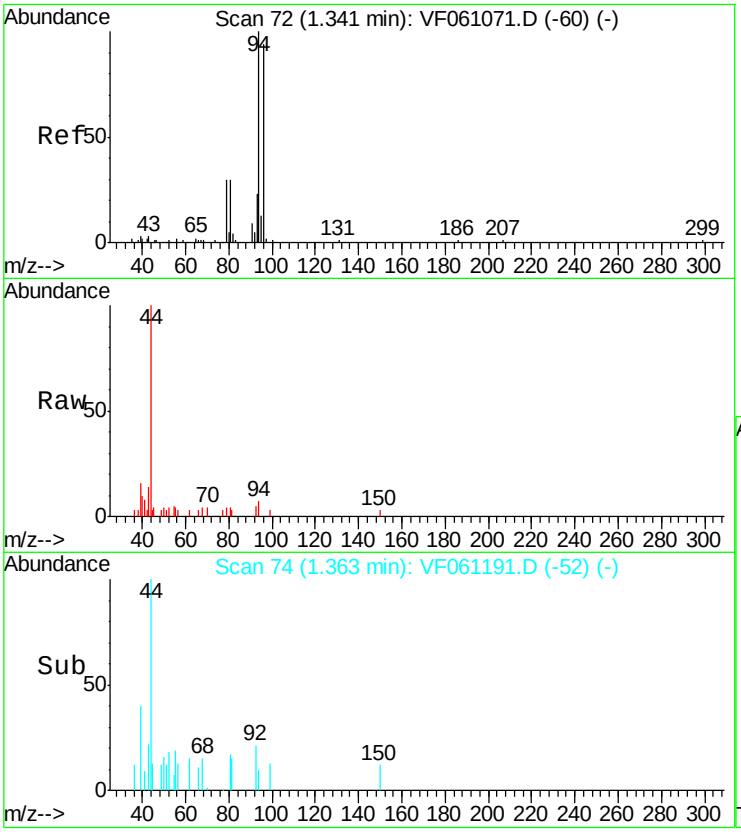


#3
Chloromethane
Concen: 1.126 ug/l
RT: 1.09 min Scan# 46
Delta R.T. -0.02 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 50 Resp: 172

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.3	39.5#



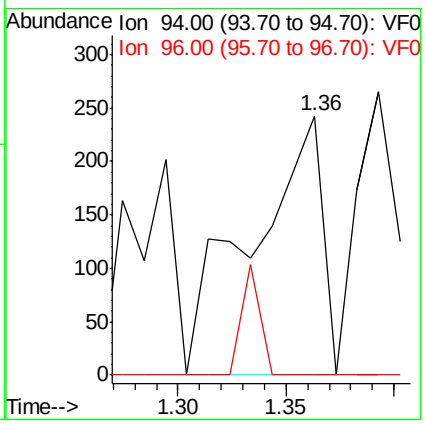


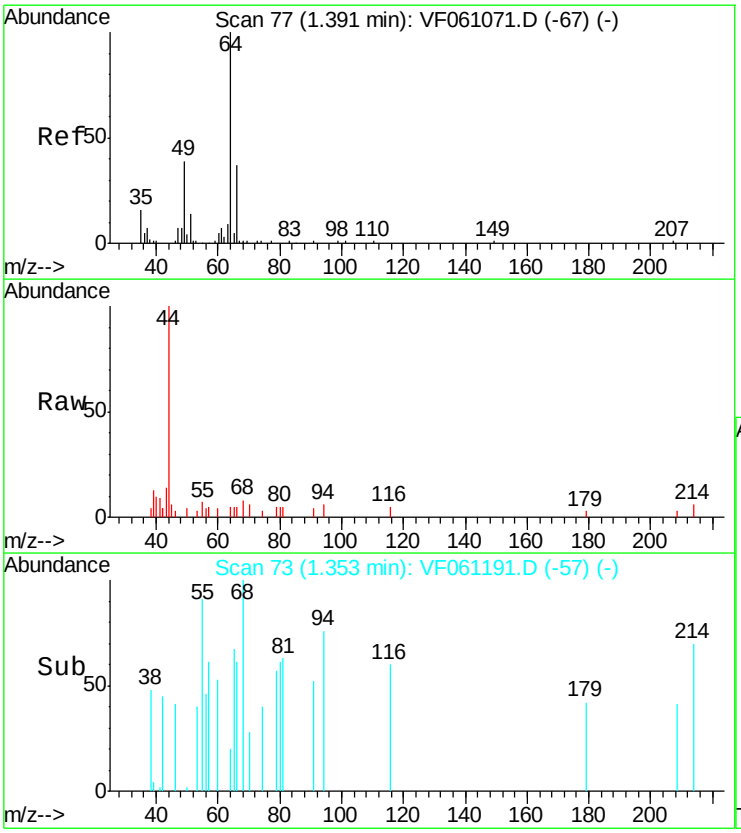
#5
Bromomethane
Concen: 5.646 ug/l
RT: 1.36 min Scan# 74
Delta R.T. 0.02 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument : MSVOA_F
ClientSampleId : P001-SS025-1824-01

Tgt Ion: 94 Resp: 555

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.4	111.6#

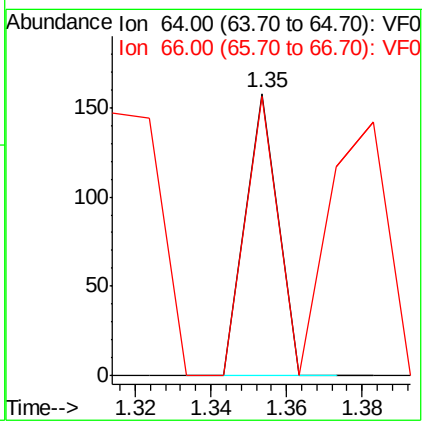


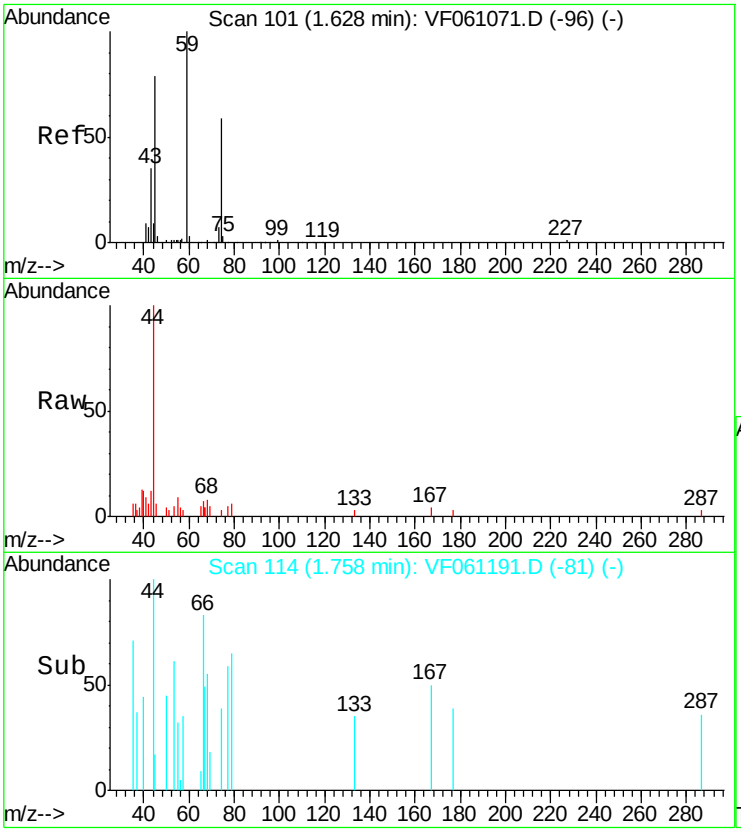


#6
Chloroethane
Concen: 1.424 ug/l
RT: 1.35 min Scan# 73
Delta R.T. -0.04 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 64 Resp: 93

Ion	Ratio	Lower	Upper
64	100		
66	98.7	30.9	46.3#



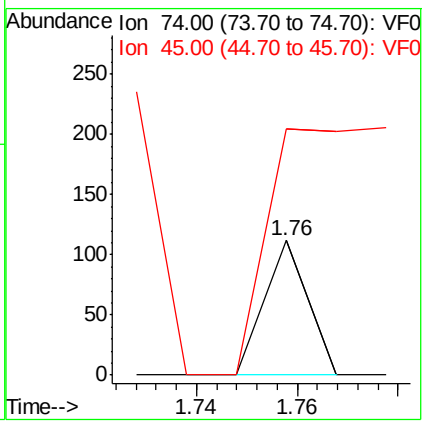


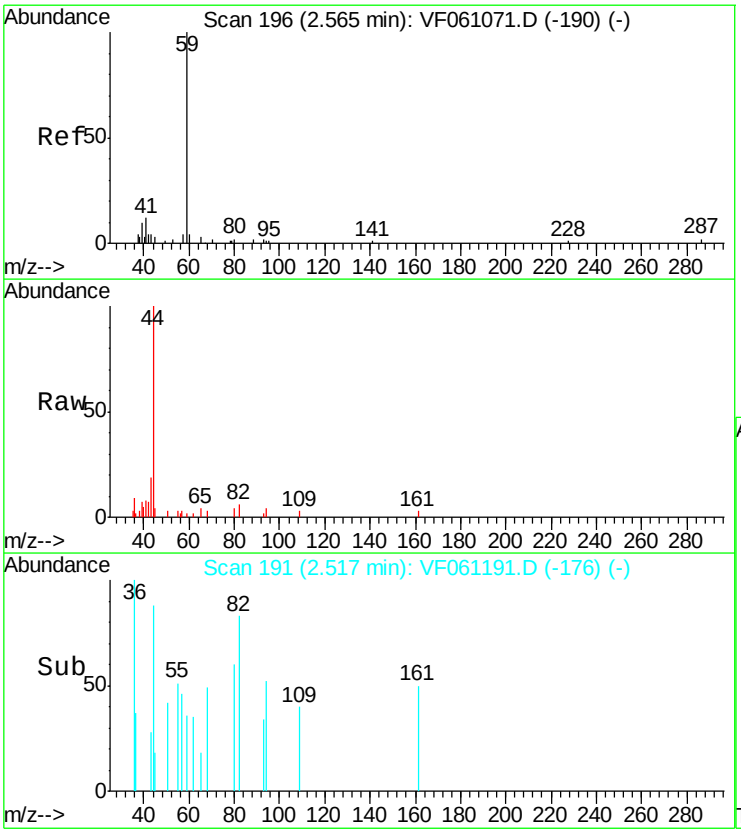
#8
Diethyl Ether
Concen: 1.781 ug/l
RT: 1.76 min Scan# 114
Delta R.T. 0.13 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 74 Resp: 66

Ion	Ratio	Lower	Upper
74	100		
45	182.1	67.8	203.4

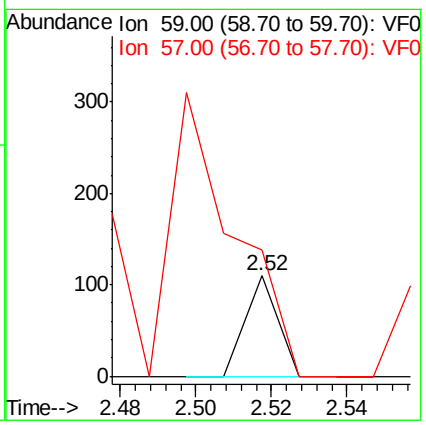


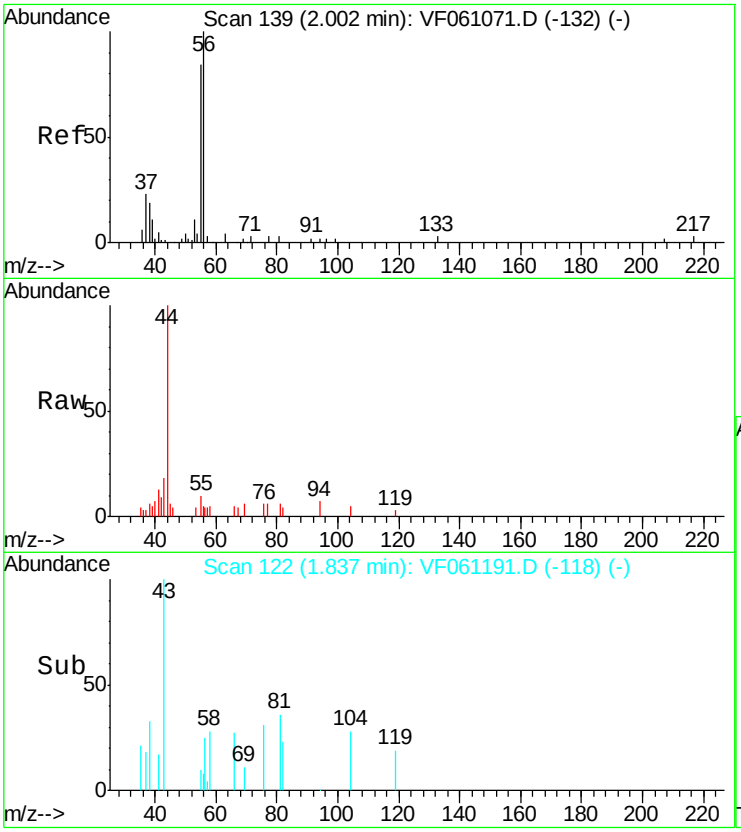


#11
Tert butyl alcohol
Concen: 10.438 ug/l
RT: 2.52 min Scan# 191
Delta R.T. -0.05 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 59 Resp: 65

Ion	Ratio	Lower	Upper
59	100		
57	125.5	11.5	17.3#



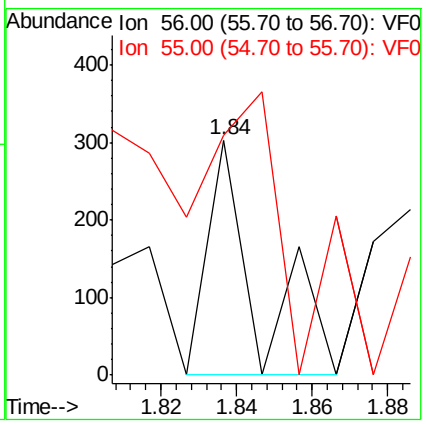


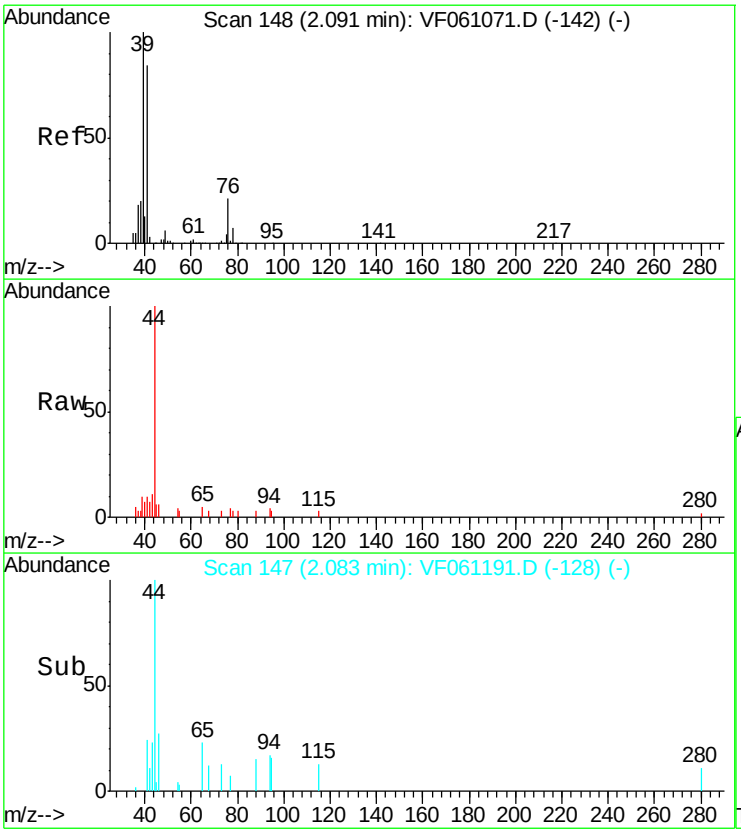
#13
Acrolein
Concen: 61.781 ug/l
RT: 1.84 min Scan# 122
Delta R.T. -0.17 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 56 Resp: 278

Ion	Ratio	Lower	Upper
56	100		
55	102.0	70.2	105.2

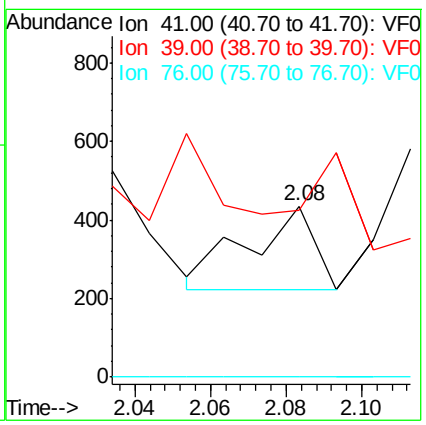


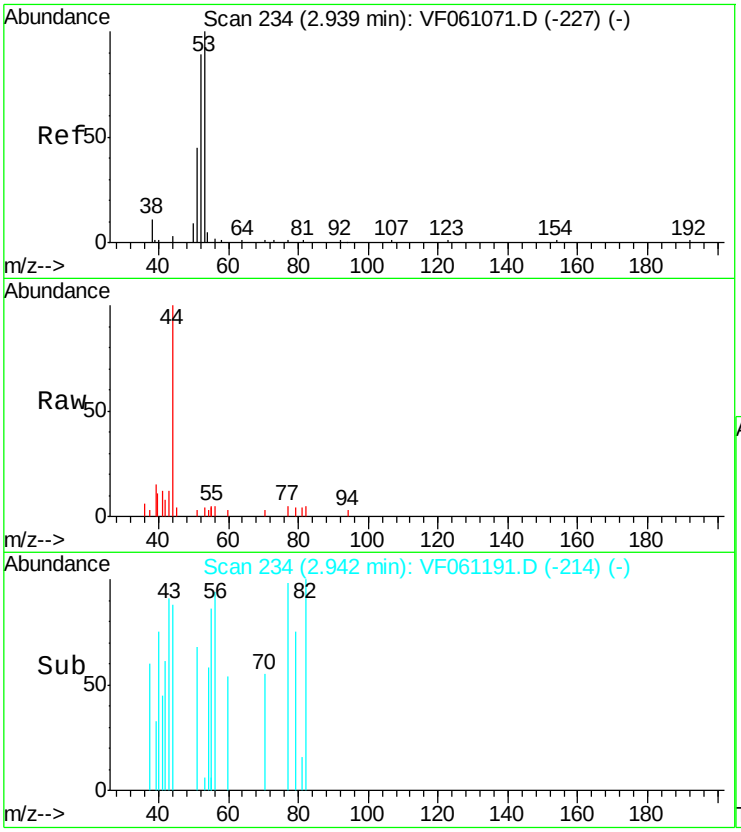


#14
Allyl chloride
Concen: 2.371 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 41 Resp: 261

Ion	Ratio	Lower	Upper
41	100		
39	97.5	96.4	144.6
76	0.0	25.4	38.0#



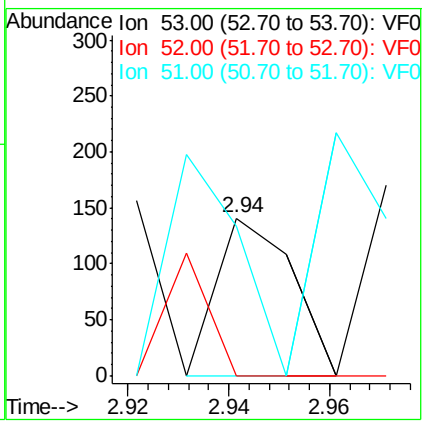


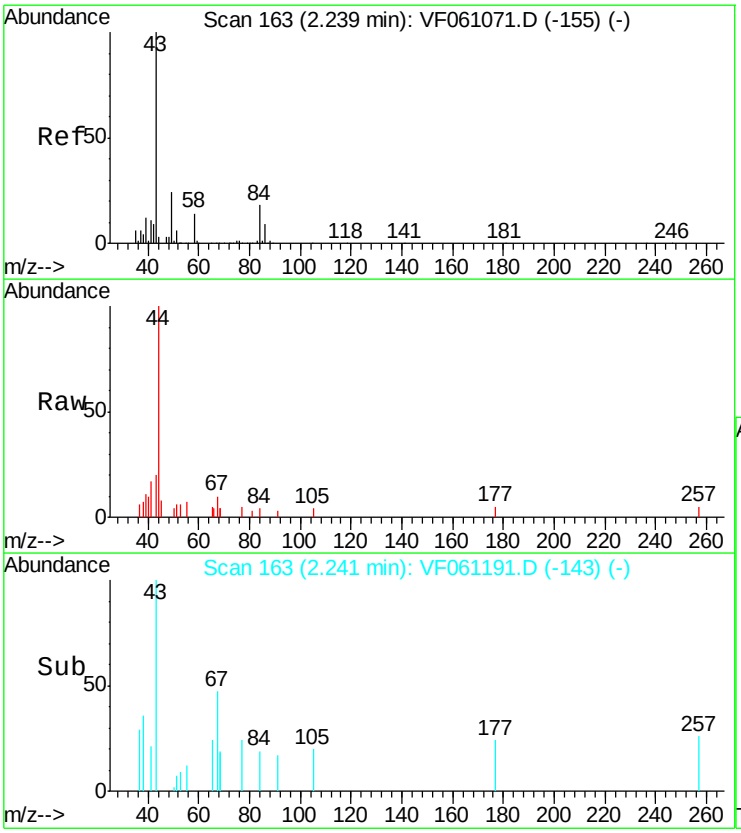
#15
Acrylonitrile
Concen: 10.208 ug/l
RT: 2.94 min Scan# 234
Delta R.T. 0.00 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 53 Resp: 147

Ion	Ratio	Lower	Upper
53	100		
52	0.0	71.3	106.9#
51	95.0	36.8	55.2#

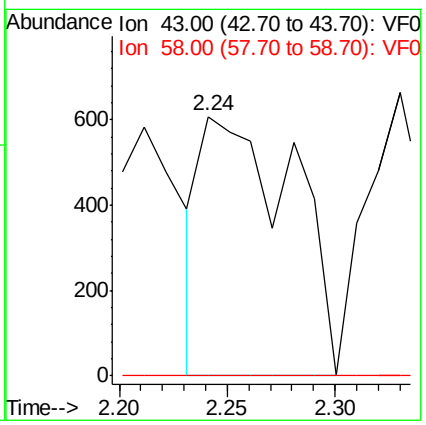


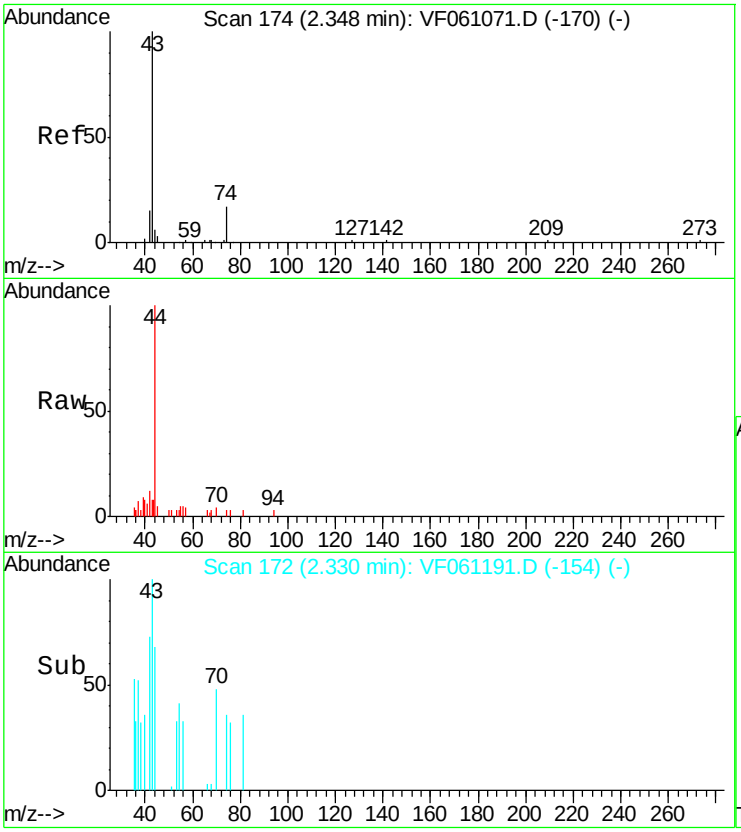


#16
Acetone
Concen: 58.283 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 43 Resp: 1798

Ion	Ratio	Lower	Upper
43	100		
58	0.0	11.1	16.7#



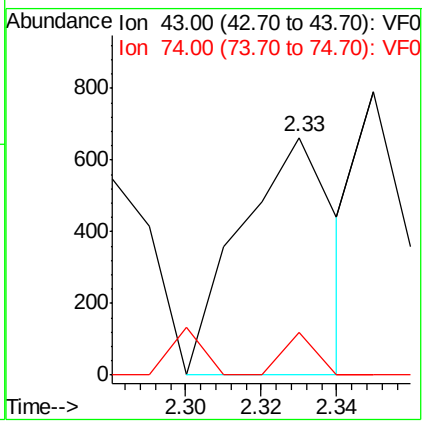


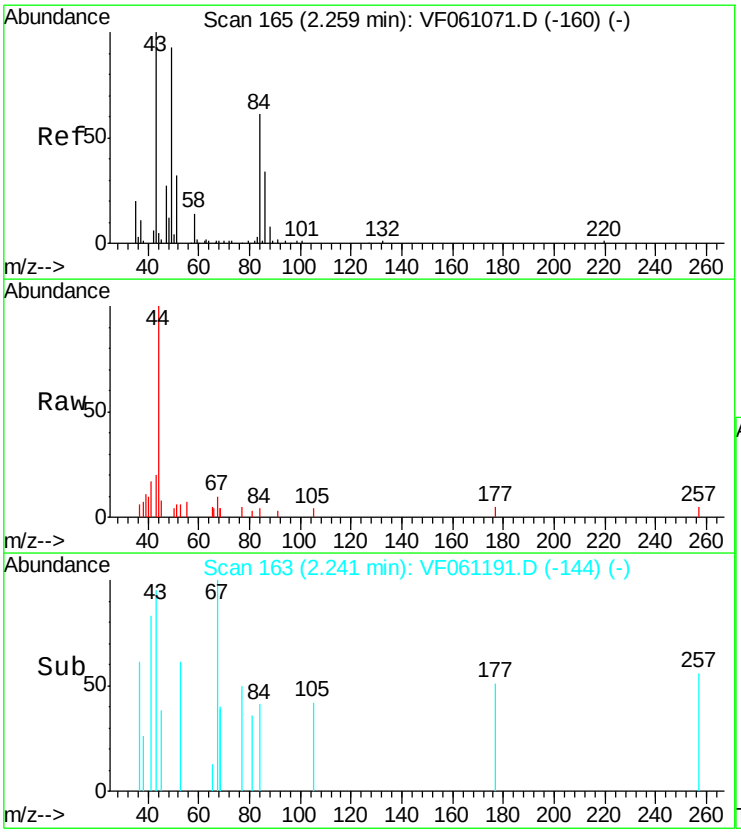
#18
Methyl Acetate
Concen: 18.050 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 43 Resp: 1152

Ion	Ratio	Lower	Upper
43	100		
74	17.9	11.0	16.6#

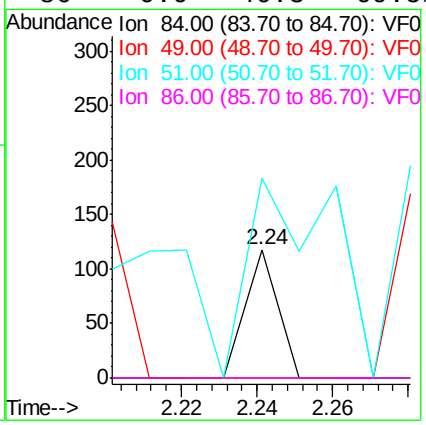


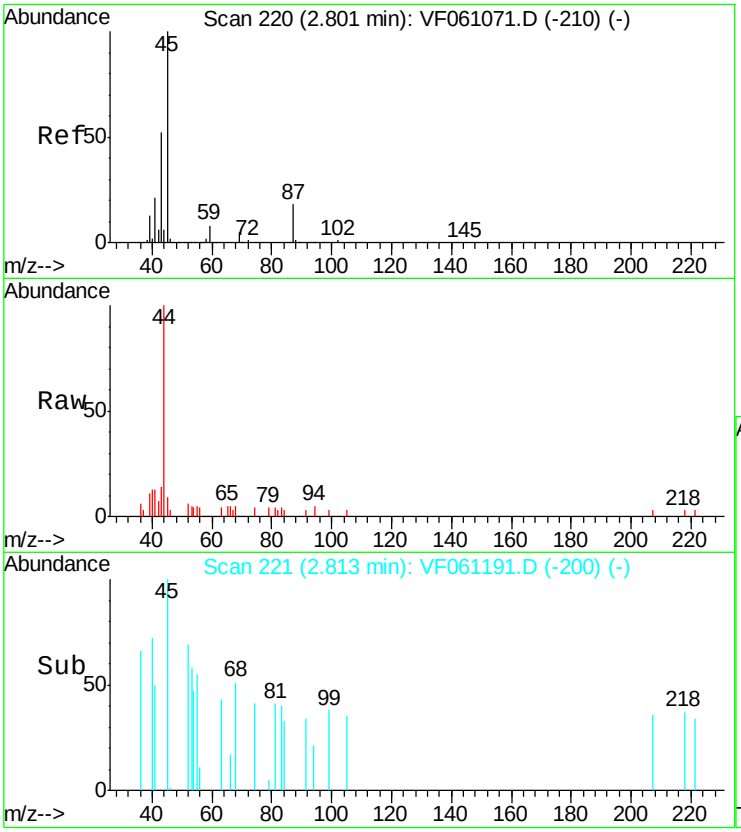


#20
Methylene Chloride
Concen: Below Cal
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 84 Resp: 70

Ion	Ratio	Lower	Upper
84	100		
49	0.0	129.4	194.2#
51	155.9	44.0	66.0#
86	0.0	46.3	69.5#



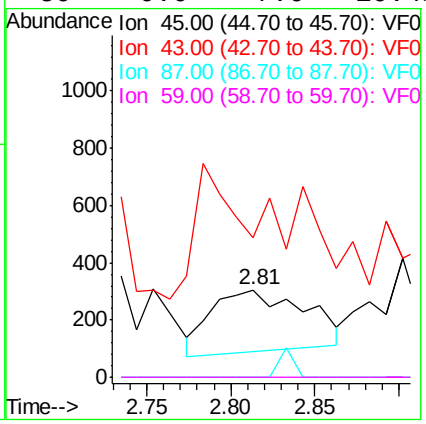


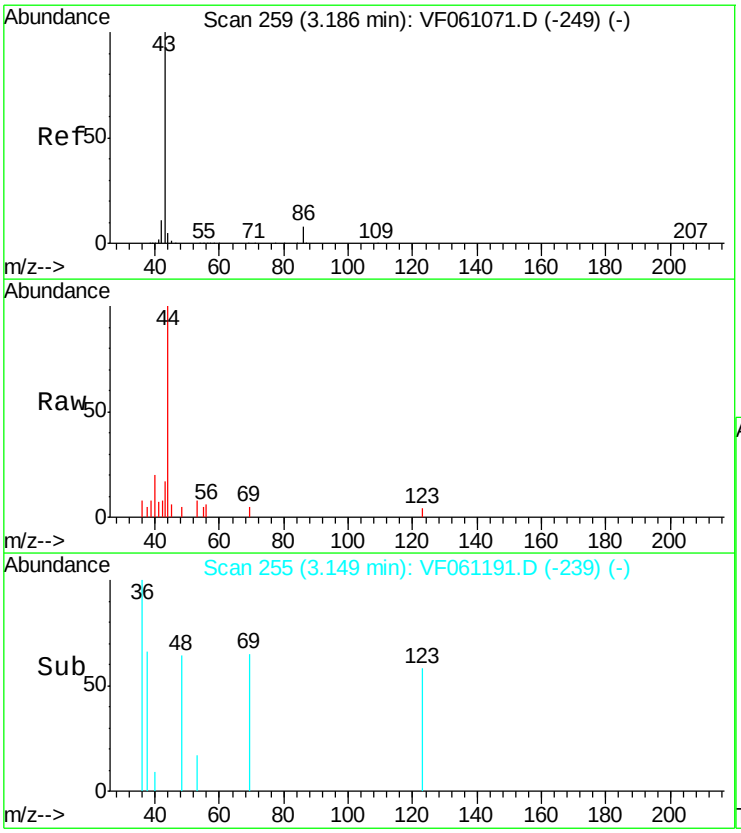
#22
Diisopropyl ether
Concen: 2.264 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument : MSVOA_F
ClientSampleId : P001-SS025-1824-01

Tgt Ion: 45 Resp: 830

Ion	Ratio	Lower	Upper
45	100		
43	159.3	42.2	63.2#
87	0.0	14.6	22.0#
59	0.0	7.0	10.4#

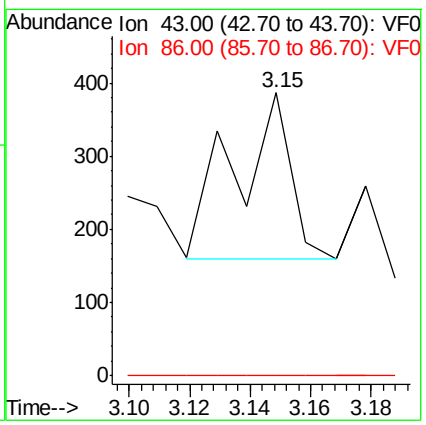


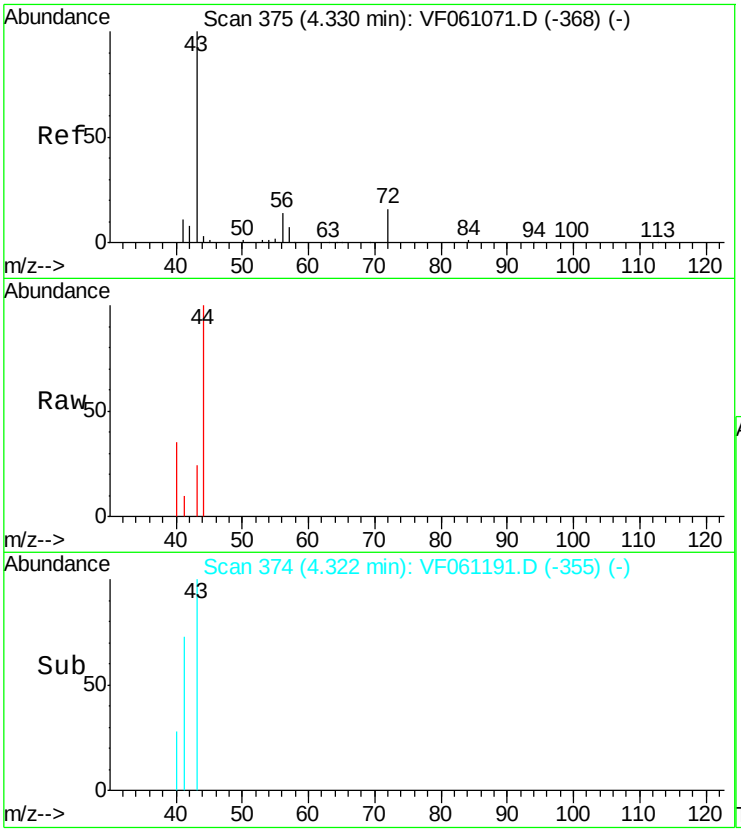


#23
Vinyl Acetate
Concen: 1.738 ug/l
RT: 3.15 min Scan# 255
Delta R.T. -0.04 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 43 Resp: 294

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.3	9.5#



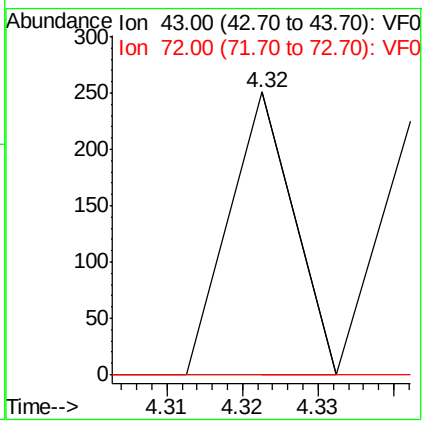


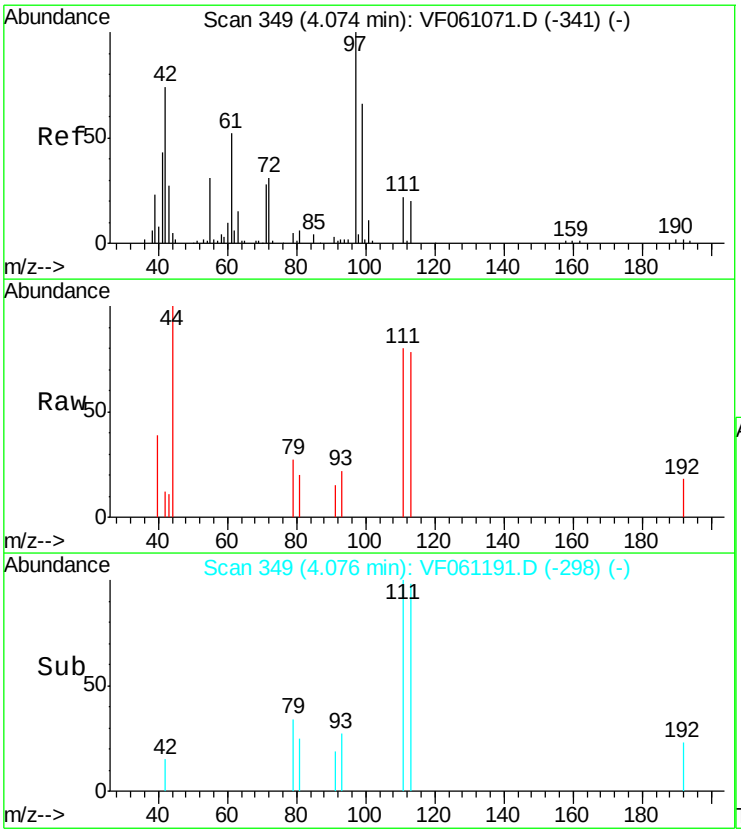
#25
2-Butanone
Concen: 2.978 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 43 Resp: 149

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.6	23.4#

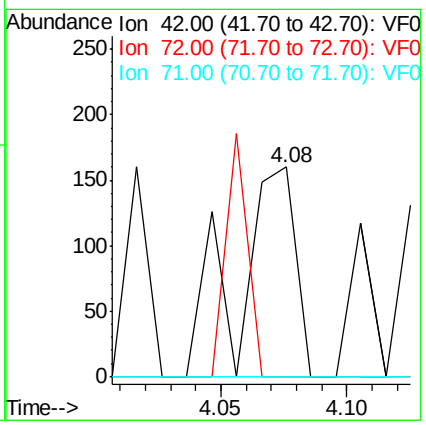


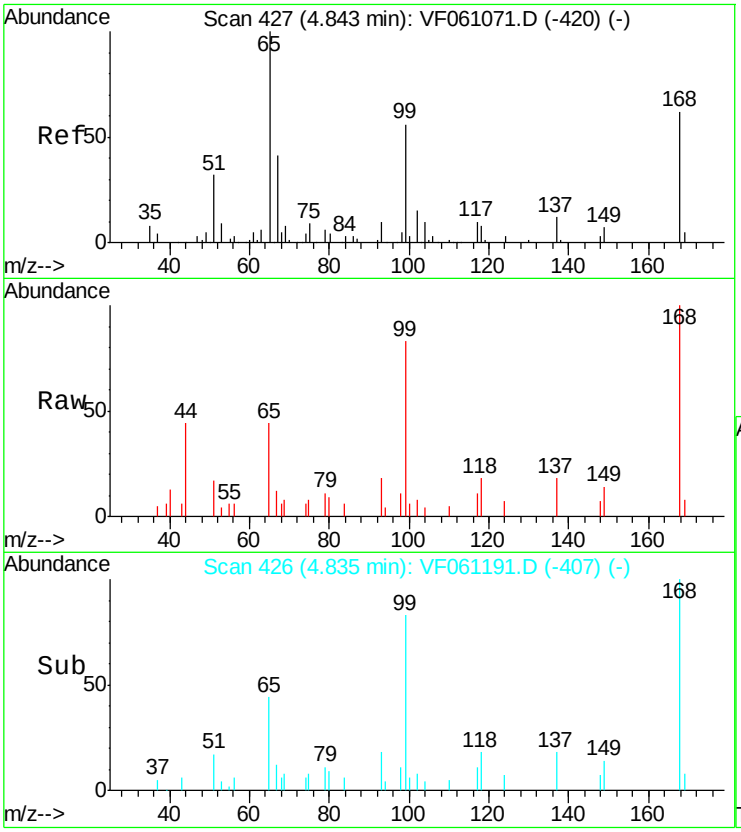


#29
Tetrahydrofuran
Concen: 12.621 ug/l
RT: 4.08 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 42 Resp: 257

Ion	Ratio	Lower	Upper
42	100		
72	42.8	31.8	47.8
71	0.0	29.7	44.5#



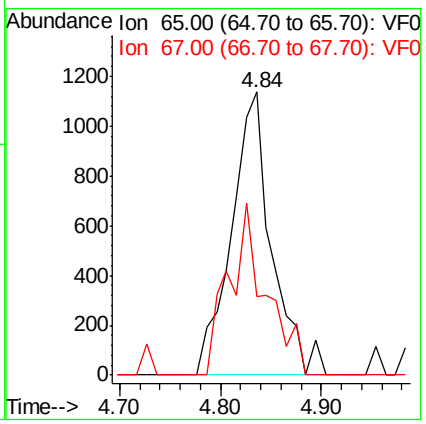


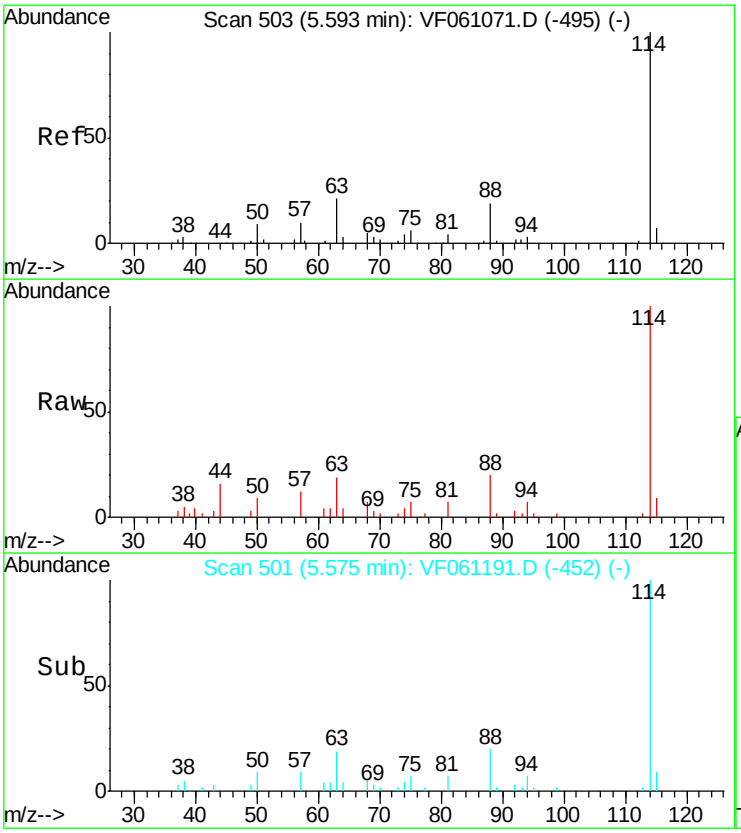
#33
1,2-Dichloroethane-d4
Concen: 20.471 ug/l
RT: 4.84 min Scan# 426
Delta R.T. -0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 65 Resp: 3159

Ion	Ratio	Lower	Upper
65	100		
67	27.6	0.0	94.6

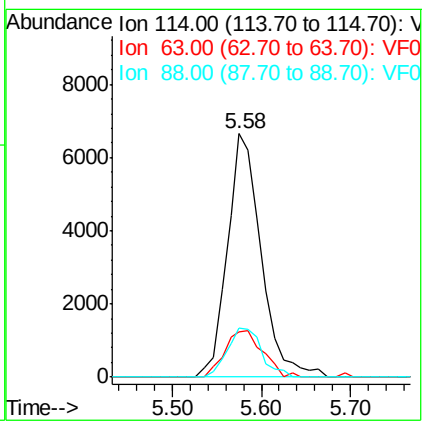


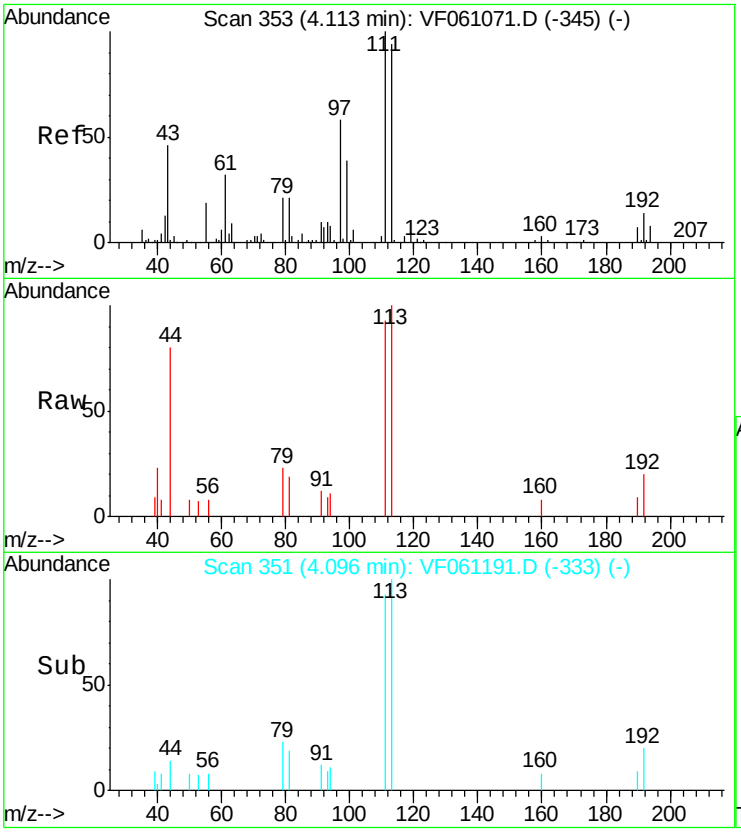


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 501
Delta R.T. -0.02 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion:114 Resp: 17638

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	41.6
88	20.0	0.0	38.0



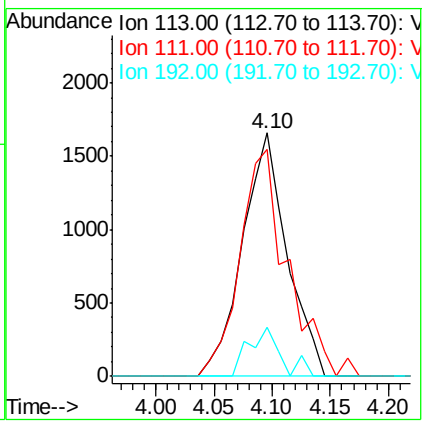


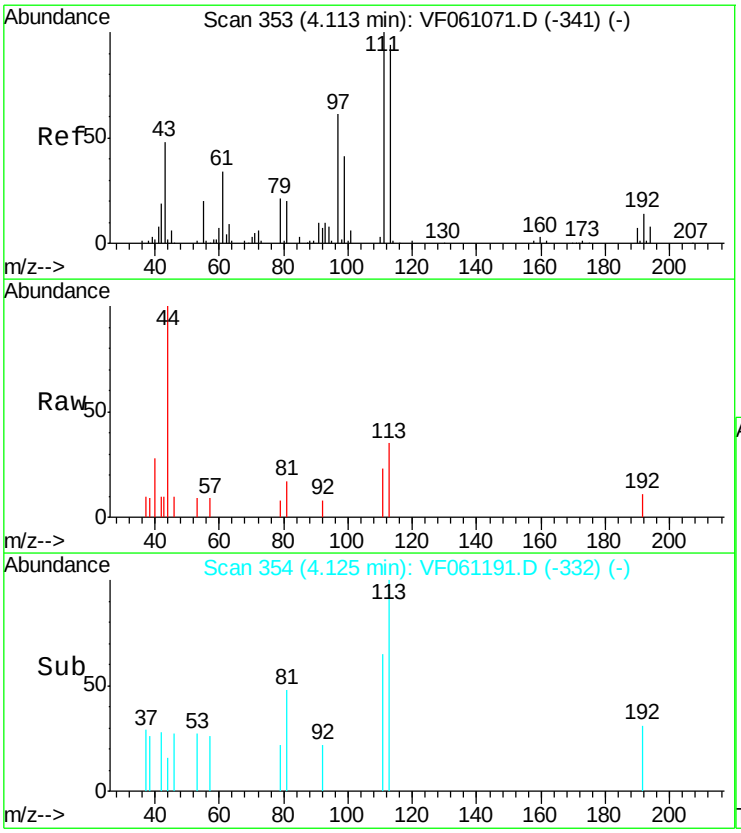
#35
Dibromofluoromethane
Concen: 31.127 ug/l
RT: 4.10 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument : MSVOA_F
ClientSampleId : P001-SS025-1824-01

Tgt Ion:113 Resp: 4398

Ion	Ratio	Lower	Upper
113	100		
111	93.1	85.2	127.8
192	20.0	12.8	19.2#

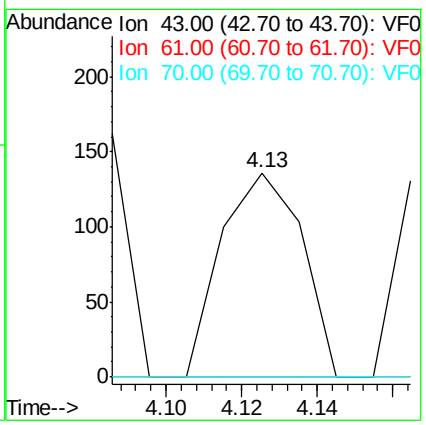


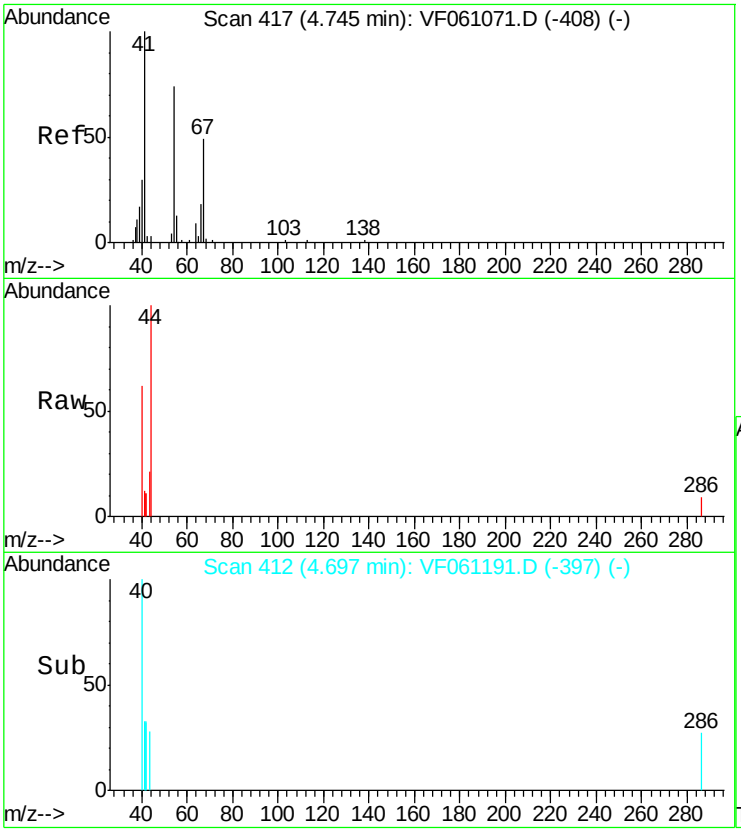


#37
Ethyl Acetate
Concen: 1.935 ug/l
RT: 4.13 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 43 Resp: 201

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



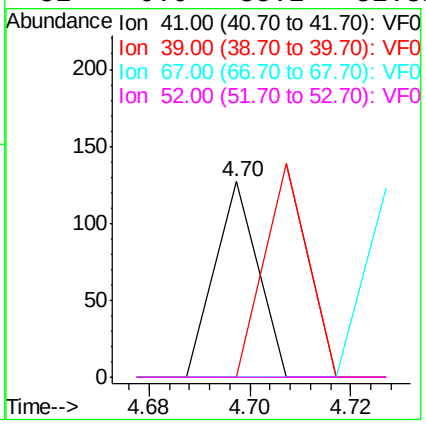


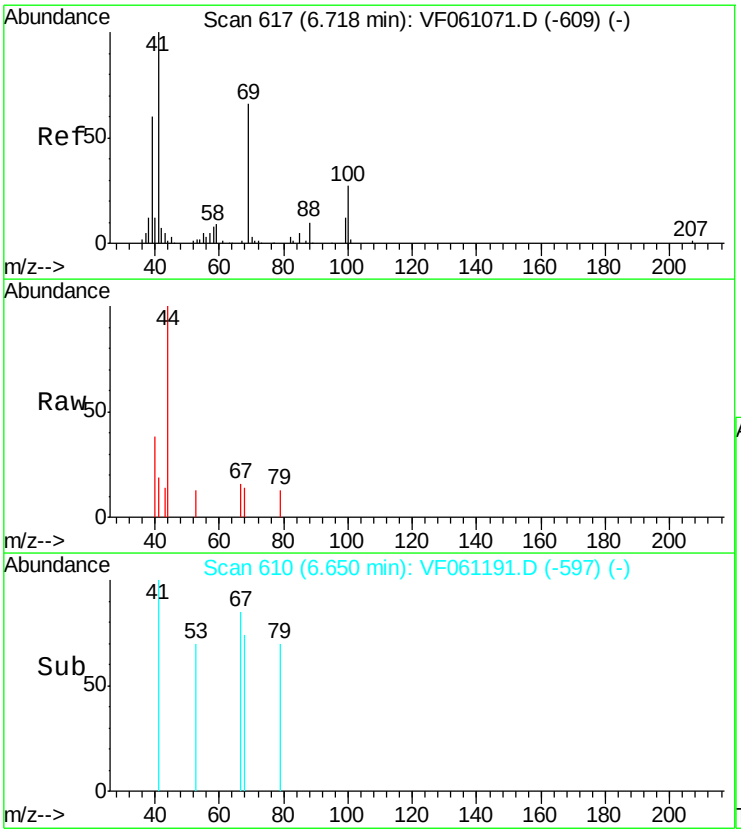
#41
Methacrylonitrile
Concen: 1.668 ug/l
RT: 4.70 min Scan# 412
Delta R.T. -0.05 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 41 Resp: 75

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

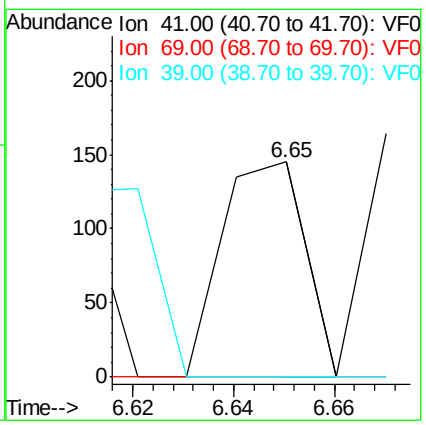


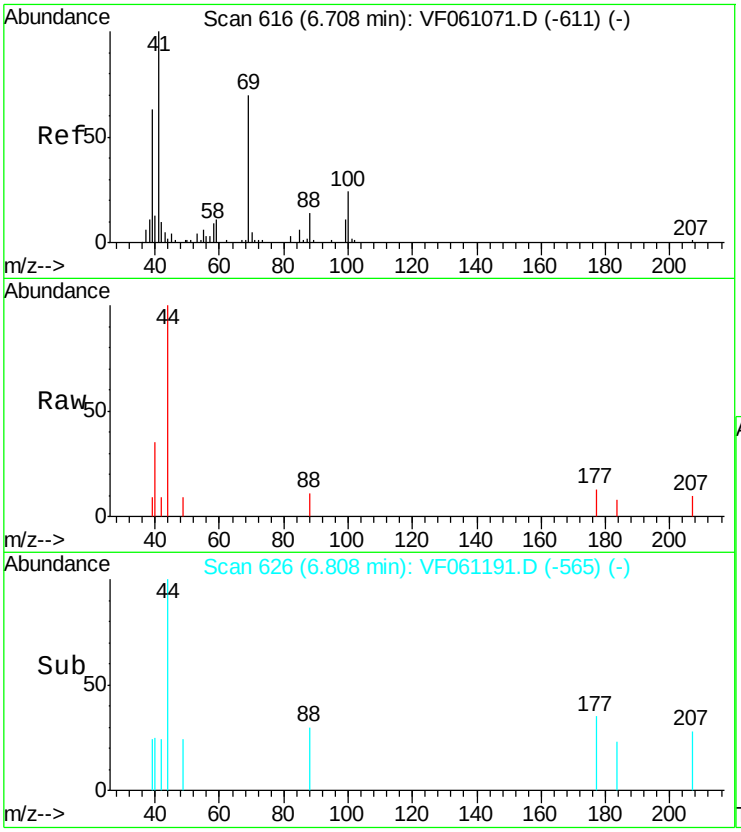


#48
Methyl methacrylate
Concen: 2.313 ug/l
RT: 6.65 min Scan# 610
Delta R.T. -0.07 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 41 Resp: 166

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



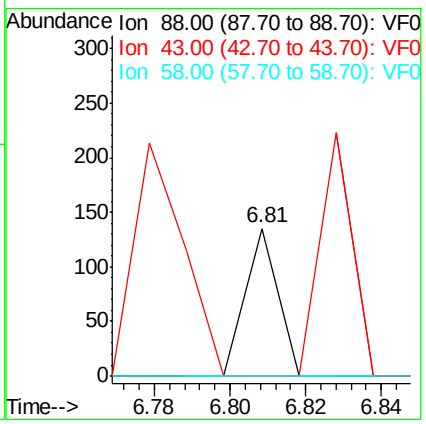


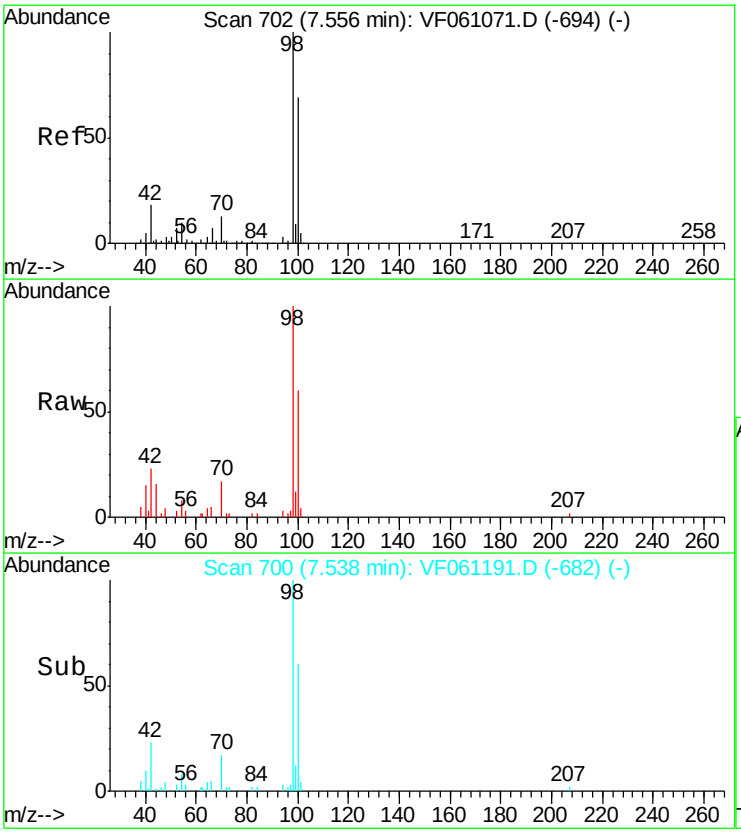
#49
1,4-Dioxane
Concen: 153.631 ug/l
RT: 6.81 min Scan# 626
Delta R.T. 0.10 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 88 Resp: 80

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

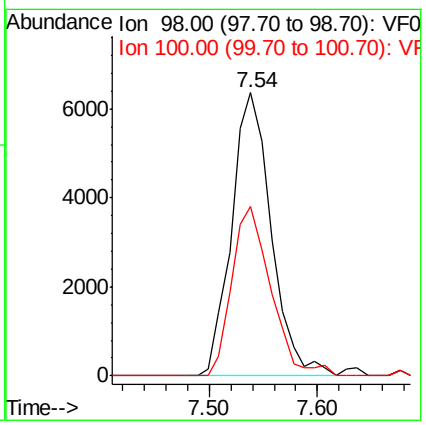


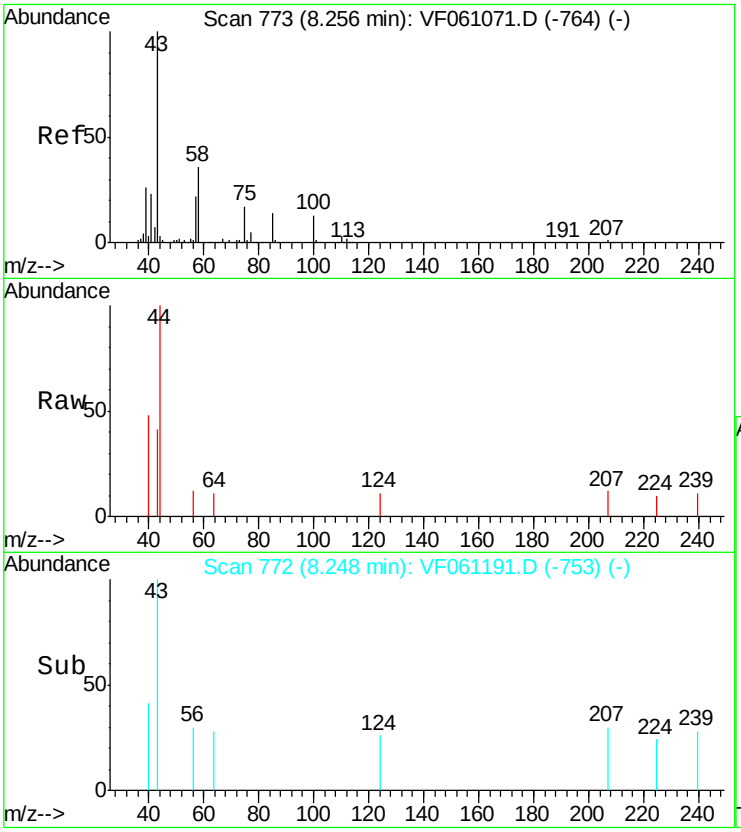


#50
Toluene-d8
Concen: 40.385 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 98 Resp: 16170

Ion	Ratio	Lower	Upper
98	100		
100	59.7	55.3	82.9



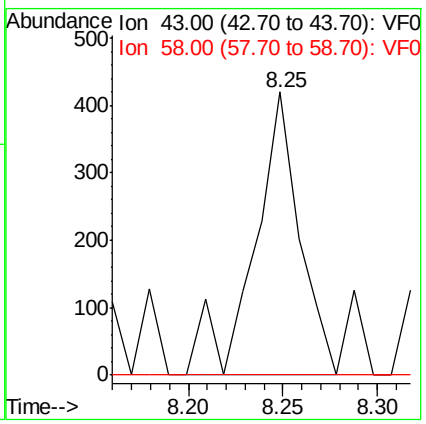


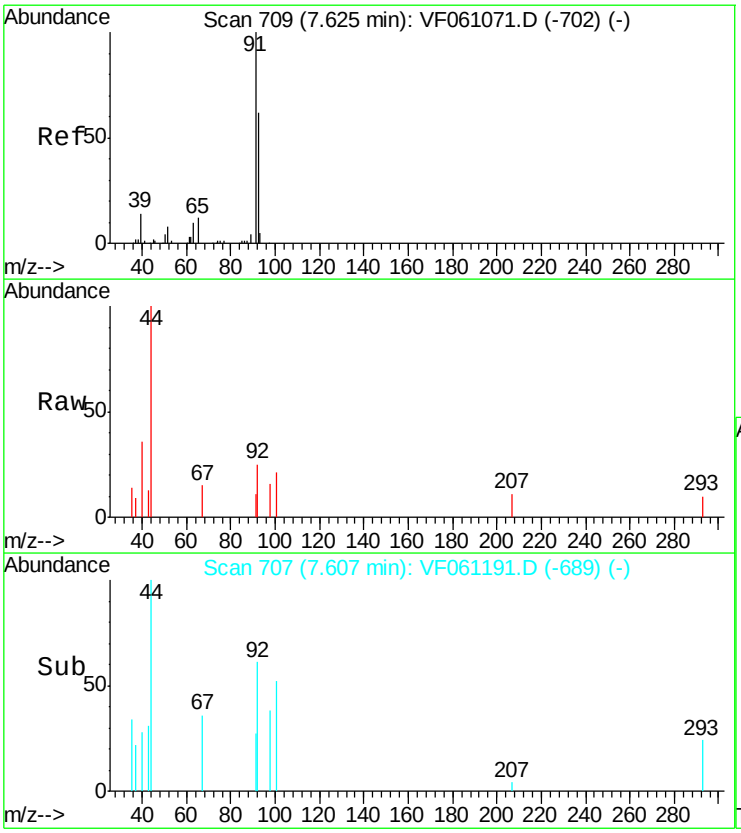
#51
4-Methyl-2-Pentanone
Concen: 9.971 ug/l
RT: 8.25 min Scan# 772
Delta R.T. -0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 43 Resp: 703

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#

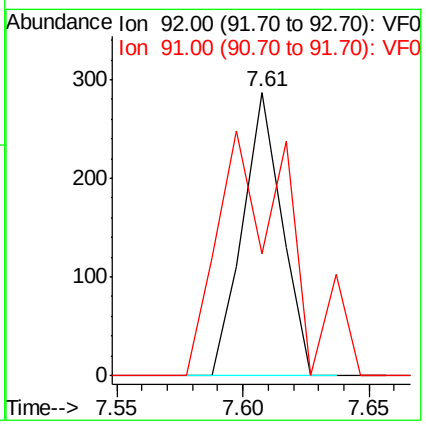


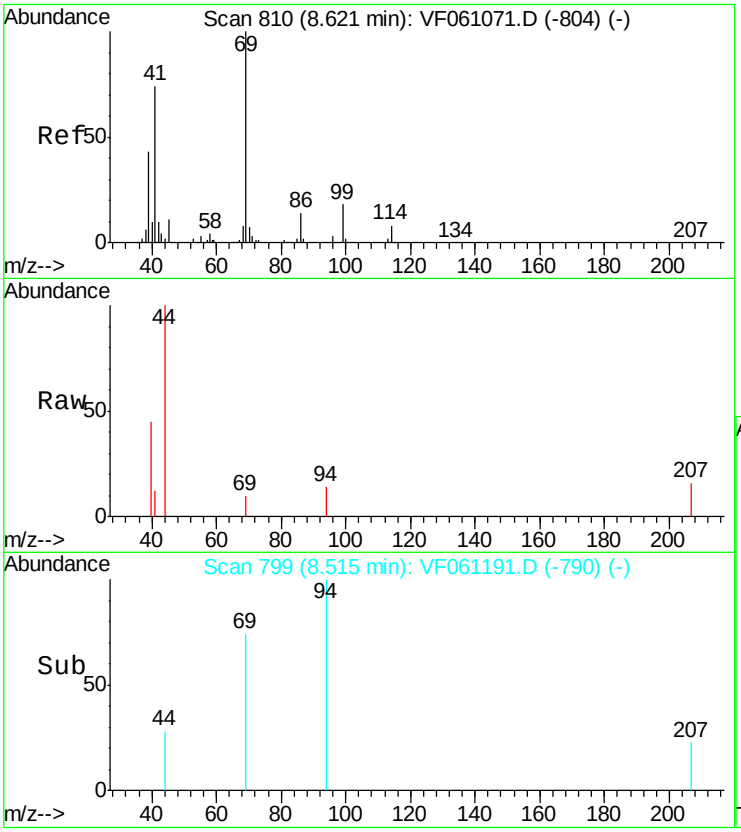


#52
Toluene
Concen: 1.029 ug/l
RT: 7.61 min Scan# 707
Delta R.T. -0.02 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 92 Resp: 312

Ion	Ratio	Lower	Upper
92	100		
91	43.2	128.8	193.2#



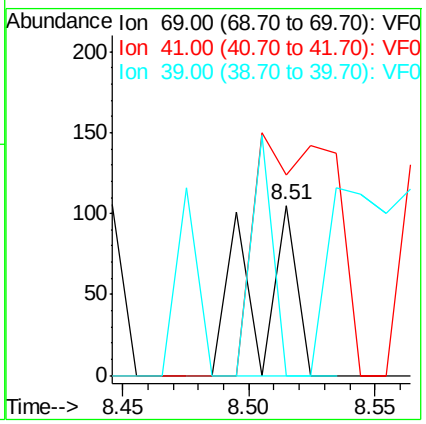


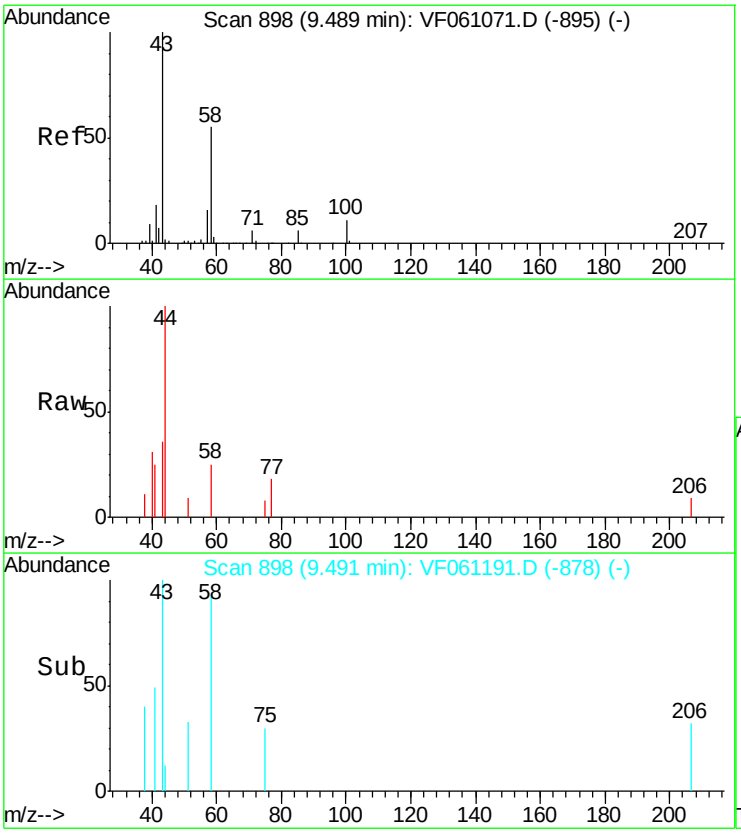
#56
Ethyl methacrylate
Concen: 1.241 ug/l
RT: 8.51 min Scan# 799
Delta R.T. -0.11 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 69 Resp: 122

Ion	Ratio	Lower	Upper
69	100		
41	118.1	59.7	89.5#
39	0.0	35.0	52.6#

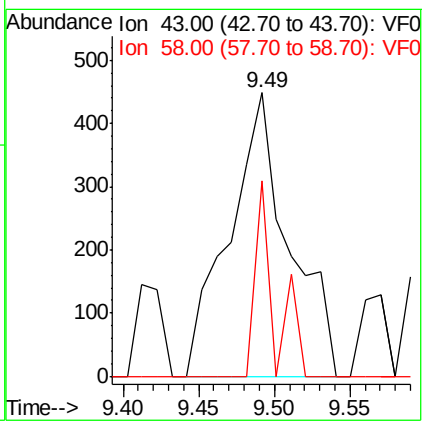


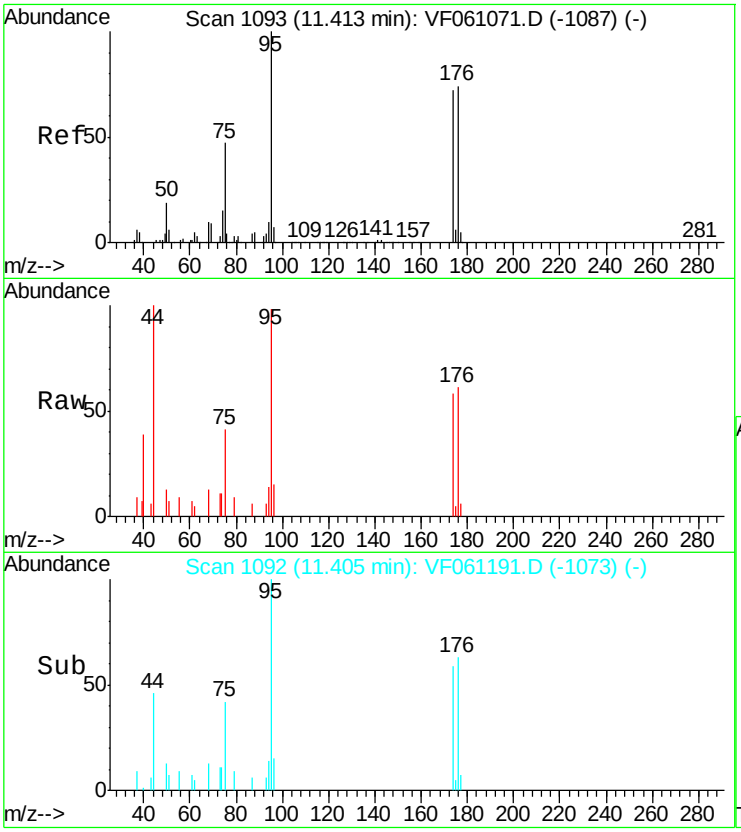


#59
2-Hexanone
Concen: 24.203 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 43 Resp: 1234

Ion	Ratio	Lower	Upper
43	100		
58	69.2	25.1	75.2



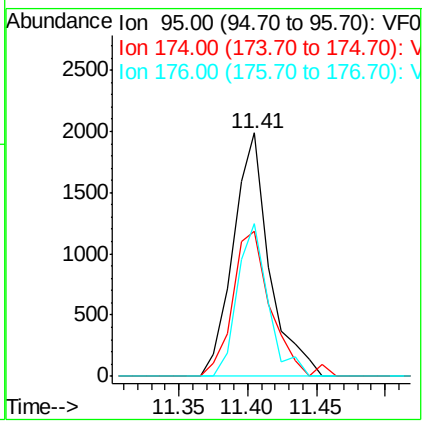


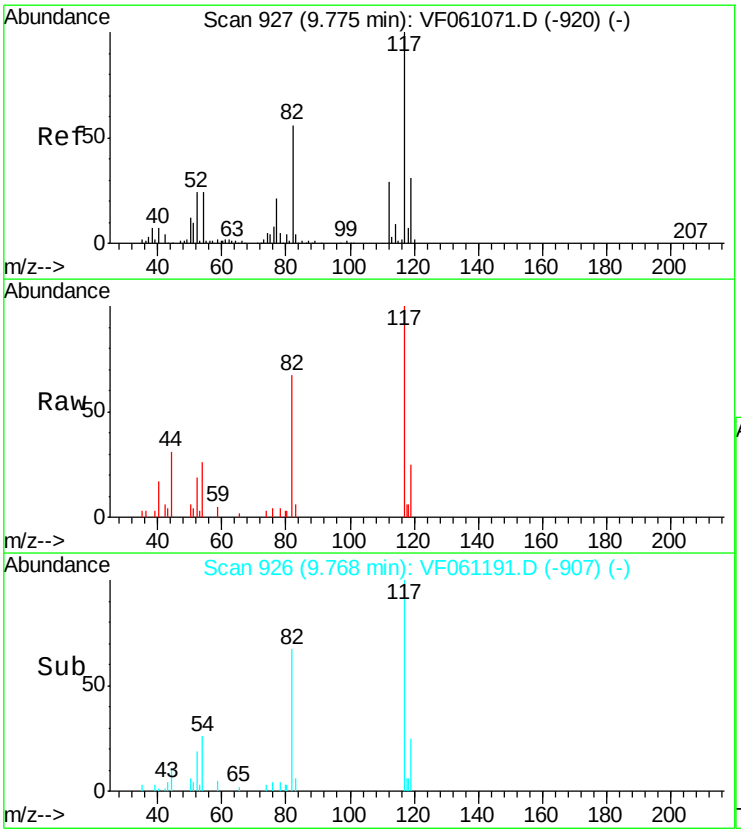
#62
4-Bromofluorobenzene
Concen: 19.703 ug/l
RT: 11.41 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion: 95 Resp: 3637

Ion	Ratio	Lower	Upper
95	100		
174	59.4	0.0	143.8
176	62.5	0.0	147.6

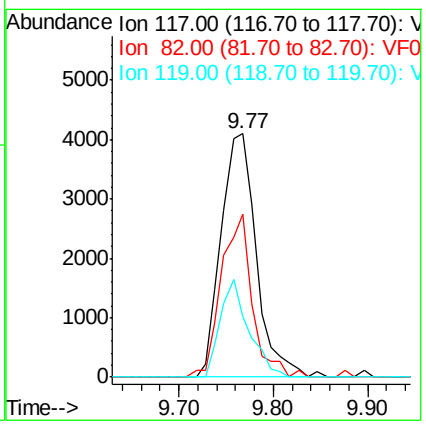


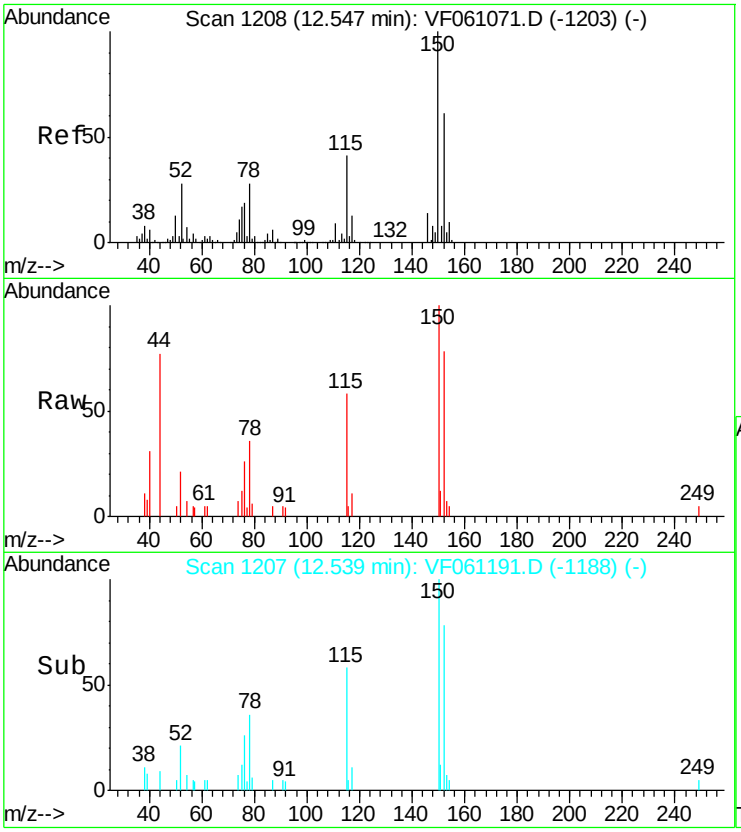


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion:117 Resp: 10613

Ion	Ratio	Lower	Upper
117	100		
82	67.1	45.0	67.4
119	25.0	24.8	37.2



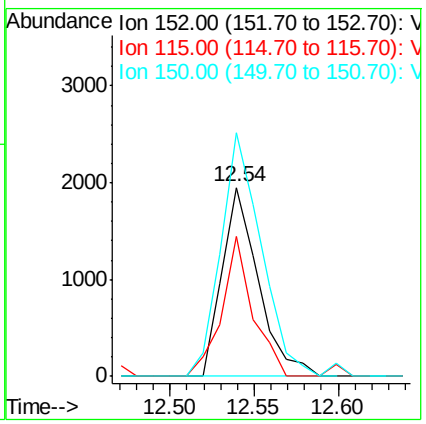


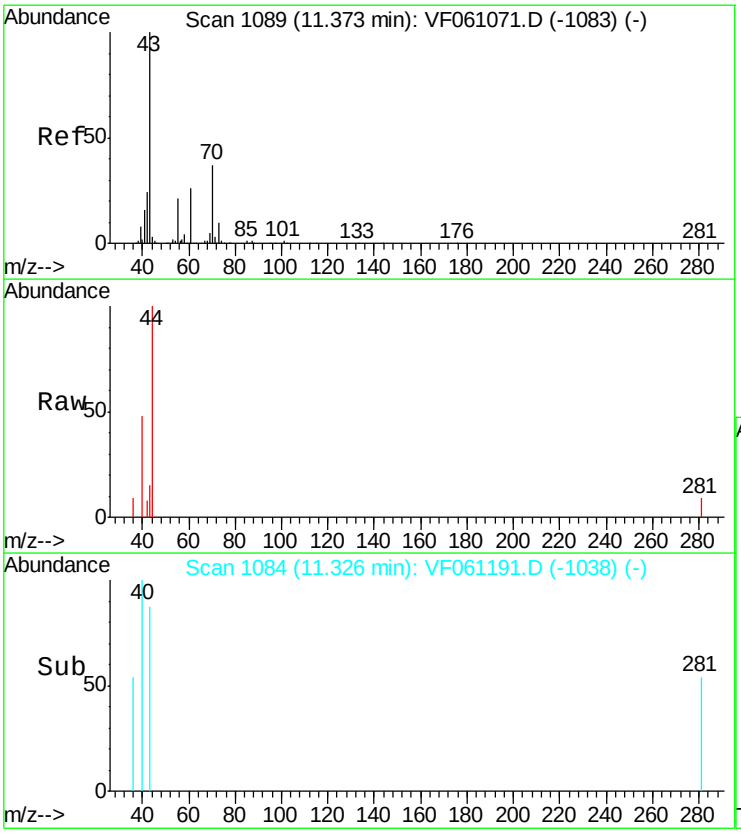
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion:152 Resp: 2917

Ion	Ratio	Lower	Upper
152	100		
115	74.2	33.3	99.9
150	128.9	0.0	328.2

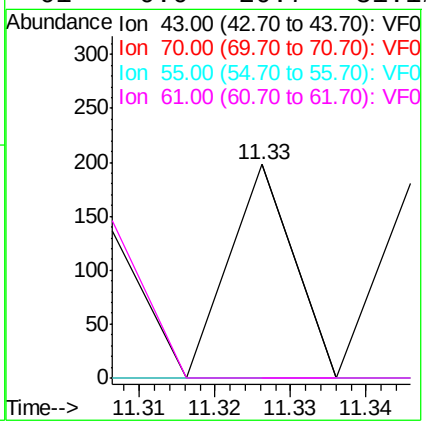


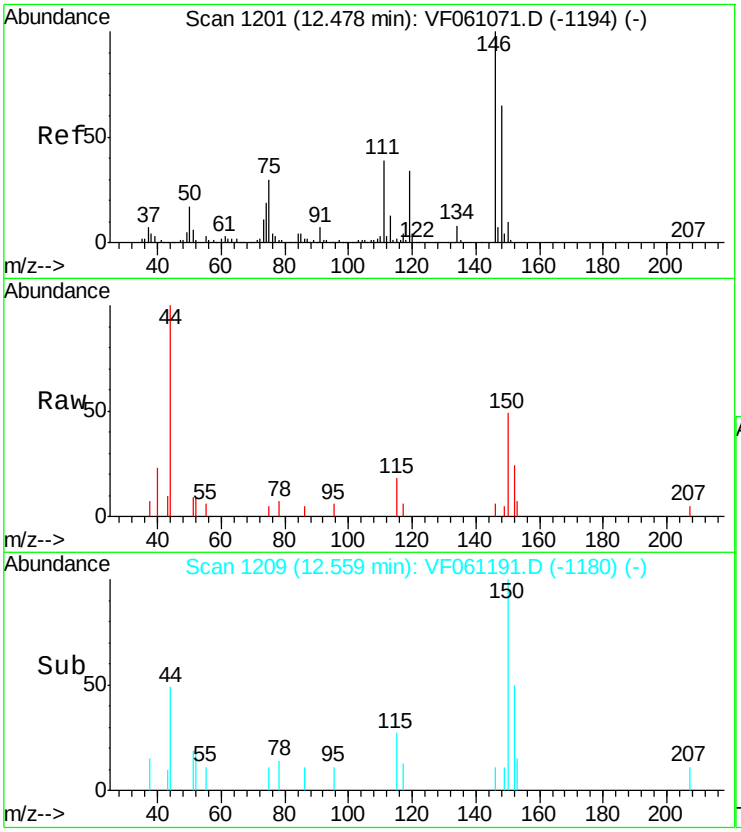


#74
N-amyl acetate
Concen: 2.096 ug/l
RT: 11.33 min Scan# 1084
Delta R.T. -0.05 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 43 Resp: 117

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



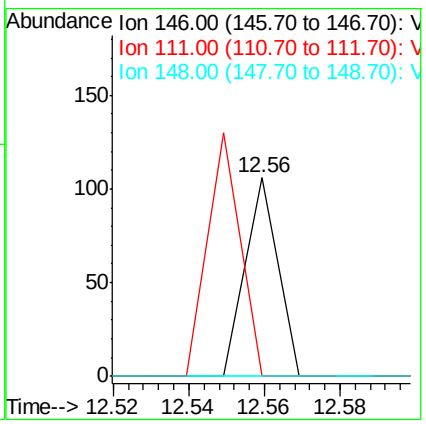


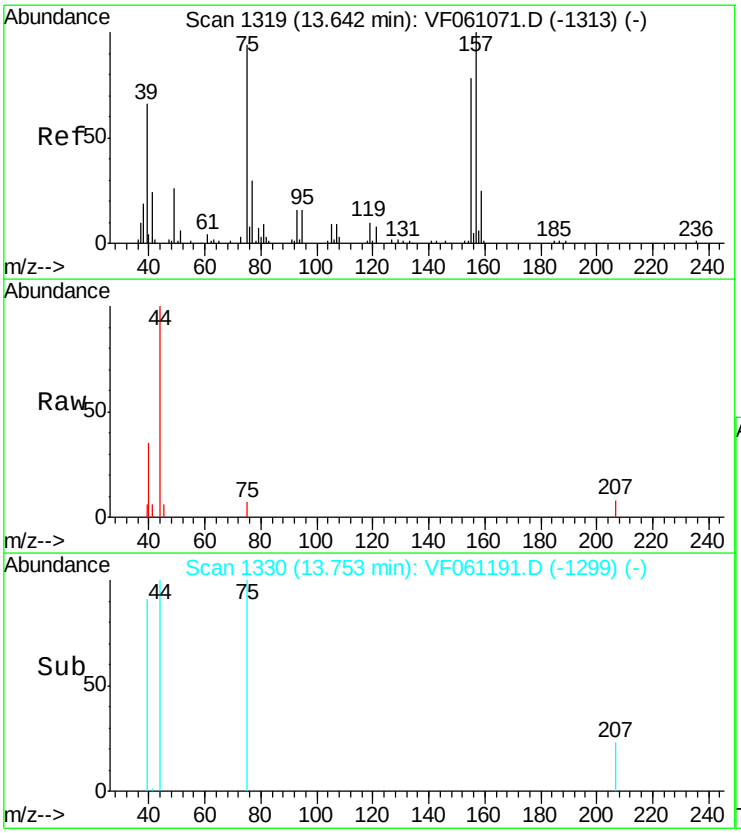
#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.56 min Scan# 1209
Delta R.T. 0.08 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion:146 Resp: 63

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.9#
148	0.0	32.4	97.2#

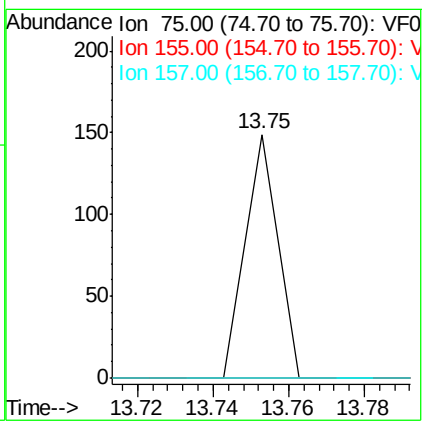


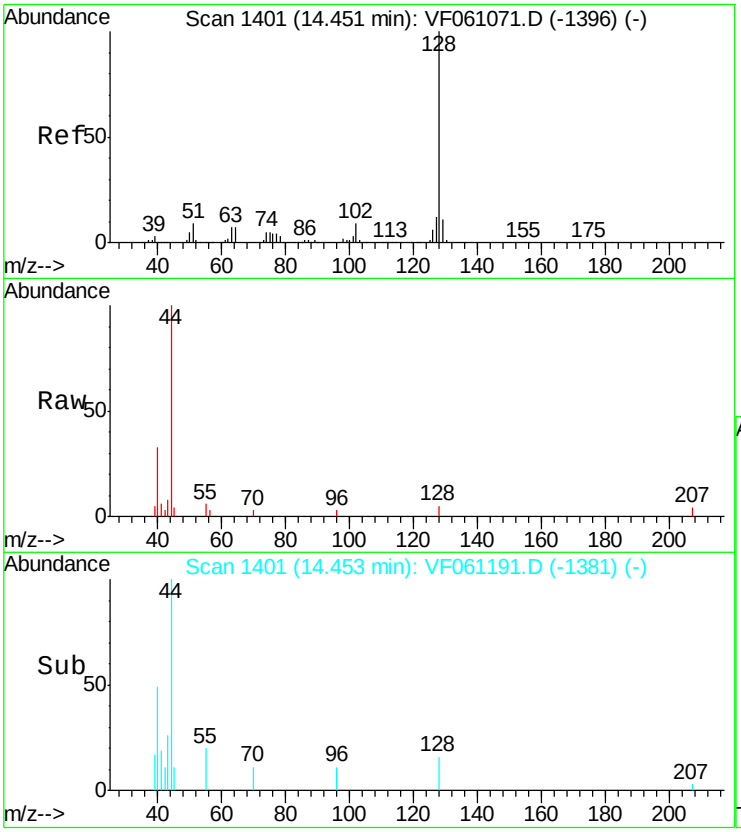


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.495 ug/l
RT: 13.75 min Scan# 1330
Delta R.T. 0.11 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Tgt Ion: 75 Resp: 88

Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.5	124.5#
157	0.0	53.2	159.6#





#95
Naphthalene
Concen: 1.820 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061191.D
Acq: 26 Dec 2018 16:35

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01

Tgt Ion:128 Resp: 228

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.4	14.2#
129	0.0	8.8	13.2#