Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031819\
Data File : VF062005.D
Acq On : 18 Mar 2019 18:55
Operator : VA/AP
Sample : K1958-03
Misc : 8.99g/5mL/MSVOA-F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : TP-2

Quant Time: Mar 19 01:24:15 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	4.71	168	61	50.00	ug/l	-0.16
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.60
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.62	65	70	159.42	ug/l	-0.22
Spiked Amount 50.000			Recovery = 318.84%			
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
3) Chloromethane	1.09	50	84	127.113	ug/l #	46
4) Vinyl Chloride	1.22	62	72	112.654	ug/l #	40
5) Bromomethane	1.28	94	1060	2360.898	ug/l #	3
6) Chloroethane	1.25	64	64	193.975	ug/l #	40
8) Diethyl Ether	1.58	74	118	626.880	ug/l	57
10) Methyl Iodide	1.87	142	62	59.379	ug/l #	36
11) Tert butyl alcohol	2.55	59	69	2568.012	ug/l #	71
12) 1,1-Dichloroethene	1.78	96	62	120.425	ug/l #	1
13) Acrolein	1.94	56	574	19789.074	ug/l	88
14) Allyl chloride	1.98	41	228	346.932	ug/l #	17
15) Acrylonitrile	2.84	53	74	905.670	ug/l #	46
16) Acetone	2.14	43	1637	16602.067	ug/l #	50
17) Carbon Disulfide	1.80	76	79	53.057	ug/l #	1
18) Methyl Acetate	2.34	43	338	1675.548	ug/l #	63
19) Methyl tert-butyl Ether	2.33	73	69	73.963	ug/l #	58
21) trans-1,2-Dichloroethene	2.26	96	175	325.721	ug/l #	1
22) Diisopropyl ether	2.69	45	524	331.485	ug/l #	21
23) Vinyl Acetate	3.07	43	1827	2931.852	ug/l #	77
24) 1,1-Dichloroethane	2.80	63	64	69.629	ug/l #	86
25) 2-Butanone	4.18	43	82	419.914	ug/l #	51
26) 2,2-Dichloropropane	3.33	77	62	143.005	ug/l #	54
29) Tetrahydrofuran	3.97	42	64	753.602	ug/l #	33
31) Cyclohexane	3.69	56	60	66.627	ug/l #	16

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

Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
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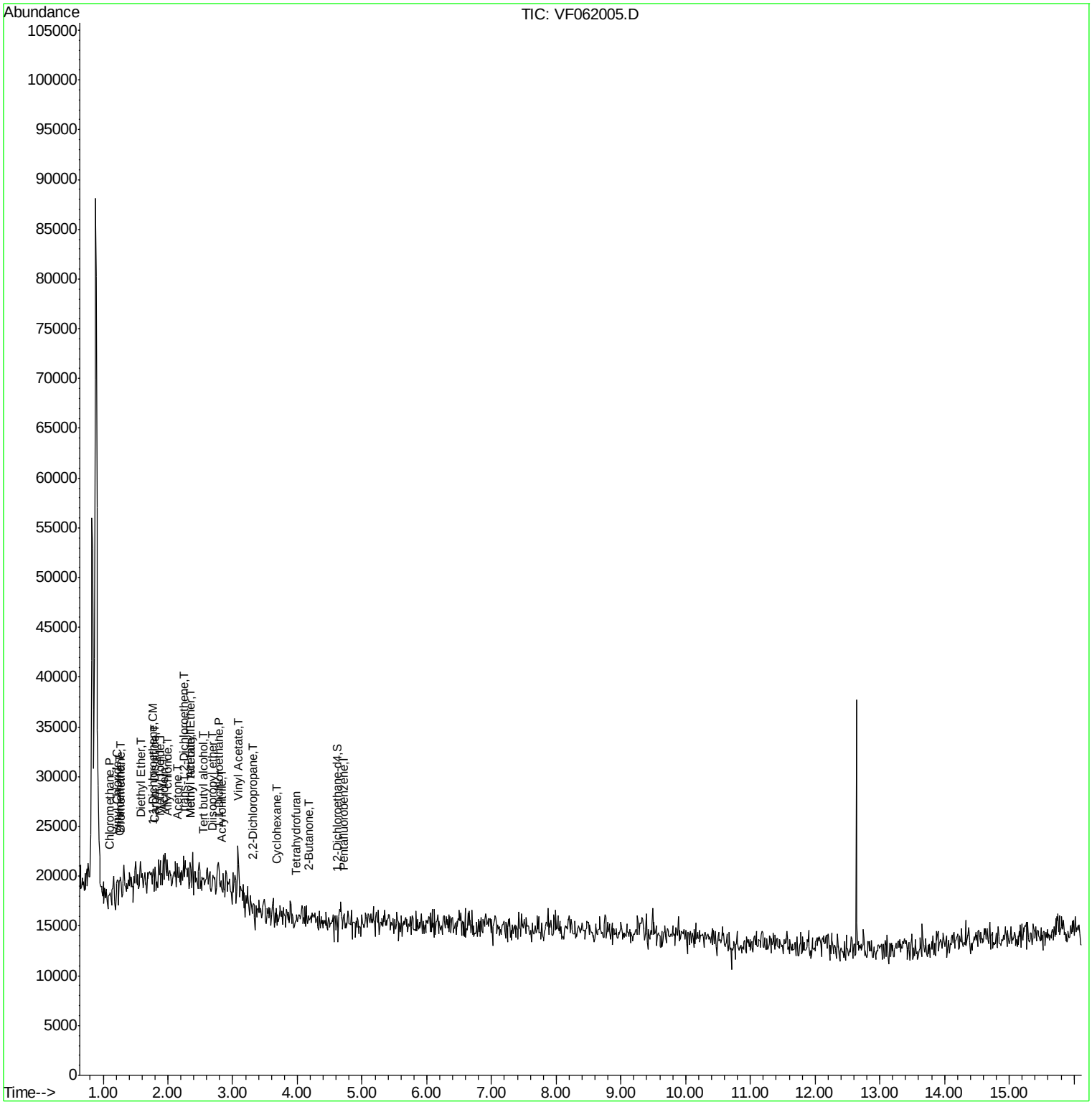
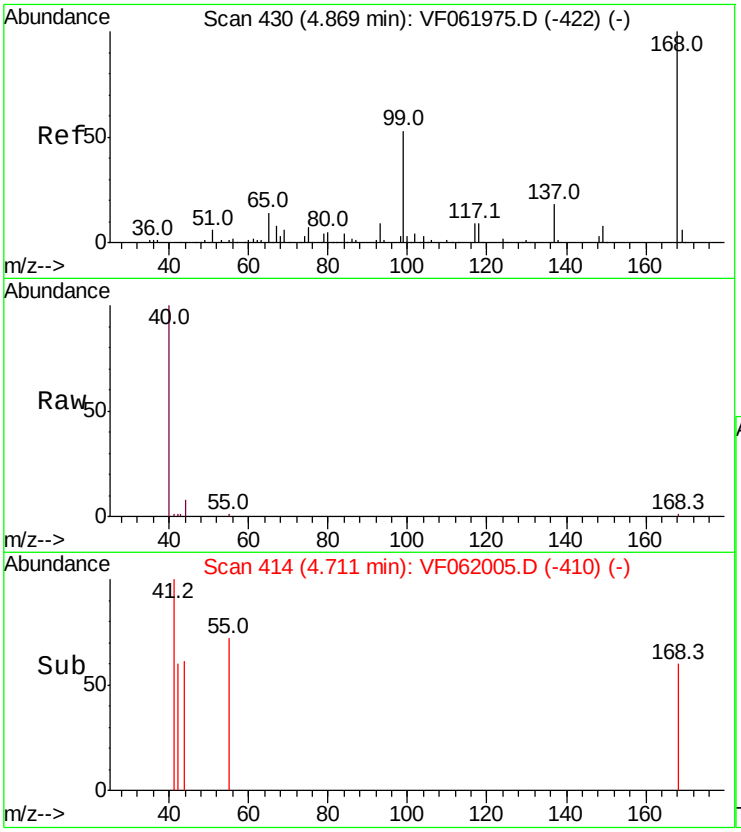


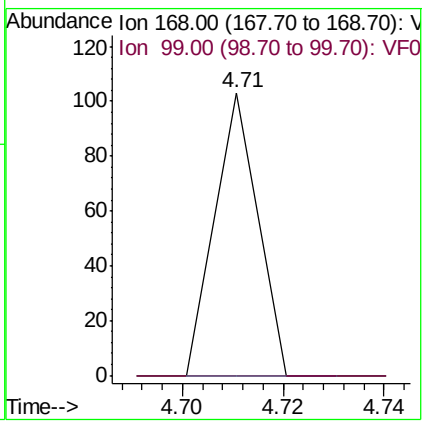


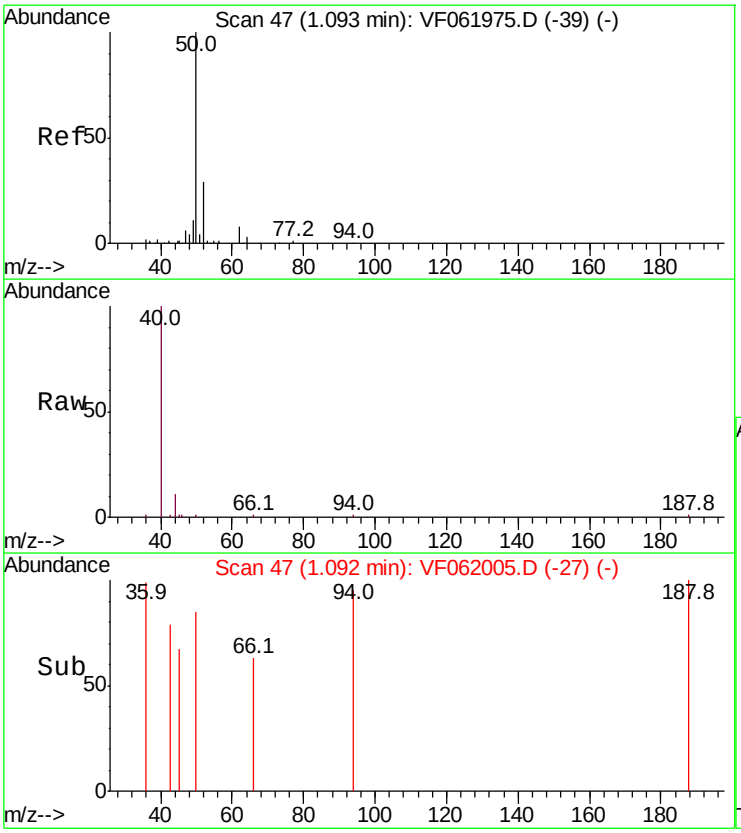
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.16 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion:168 Resp: 61

Ion	Ratio	Lower	Upper
168	100		
99	0.0	42.4	63.6#

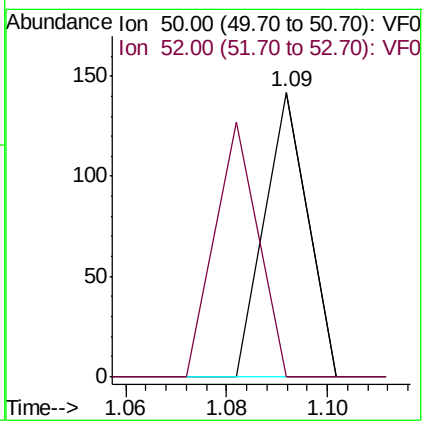


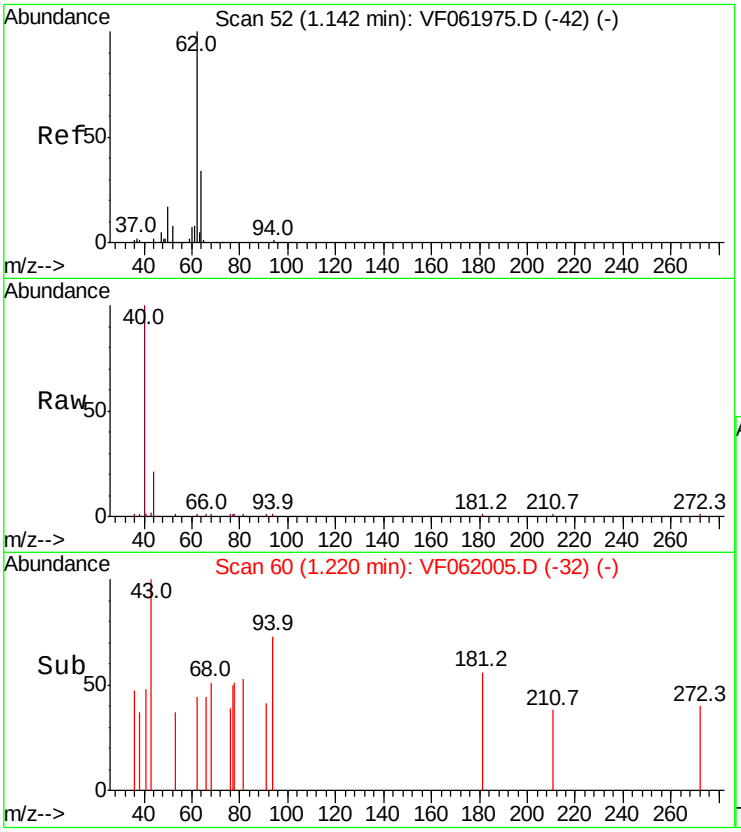


#3
Chloromethane
Concen: 127.113 ug/l
RT: 1.09 min Scan# 47
Delta R.T. -0.00 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 50 Resp: 84

Ion	Ratio	Lower	Upper
50	100		
52	0.0	22.6	34.0#



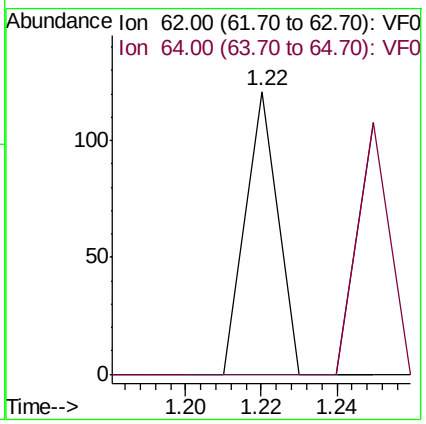


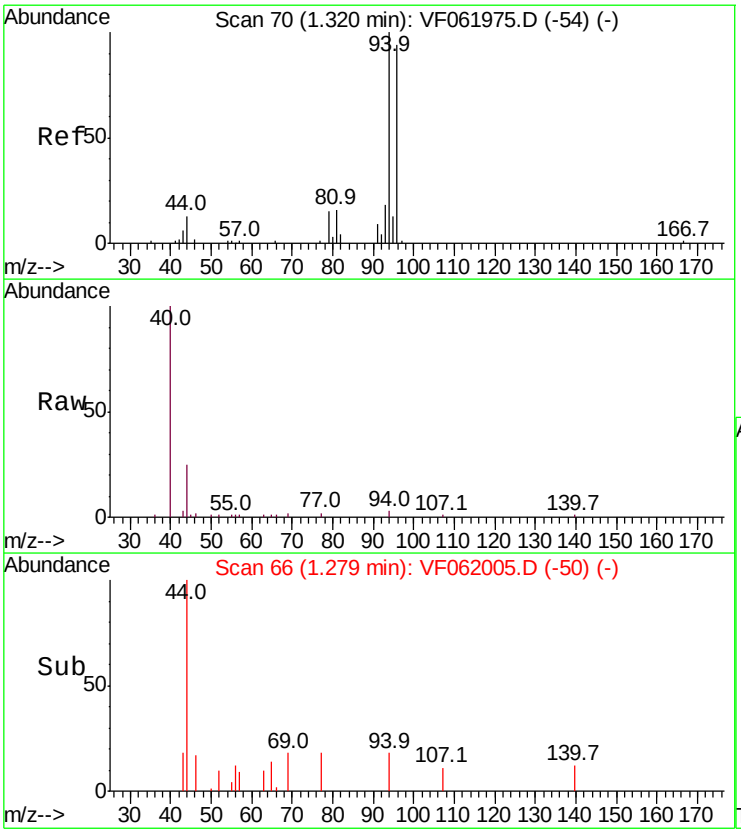
#4
Vinyl Chloride
Concen: 112.654 ug/l
RT: 1.22 min Scan# 60
Delta R.T. 0.08 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument : MSVOA_F
ClientSampleId : TP-2

Tgt Ion: 62 Resp: 72

Ion	Ratio	Lower	Upper
62	100		
64	0.0	27.4	41.2#

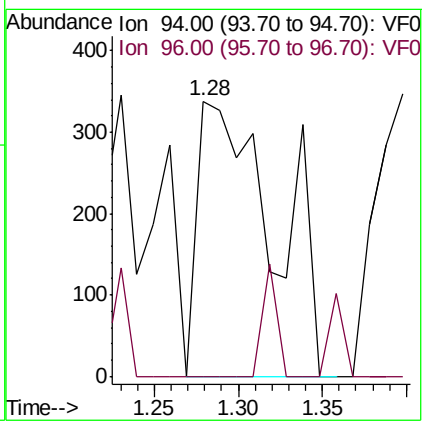


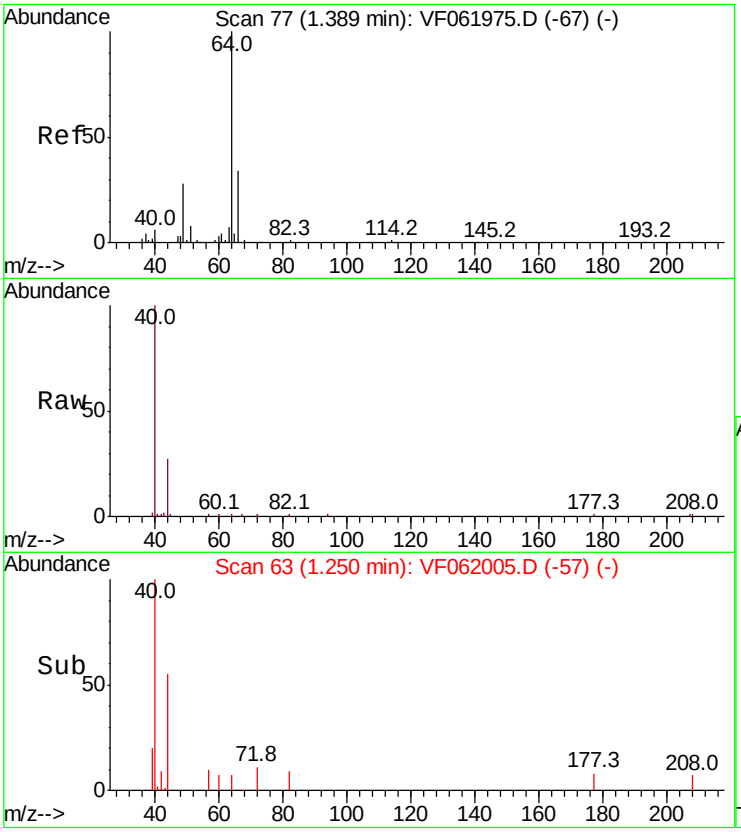


#5
Bromomethane
Concen: 2360.898 ug/l
RT: 1.28 min Scan# 66
Delta R.T. -0.04 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 94 Resp: 1060

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.0	112.6#



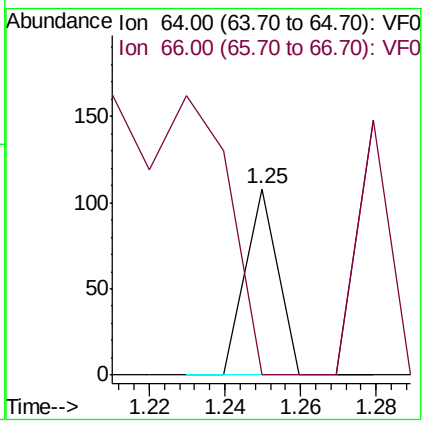


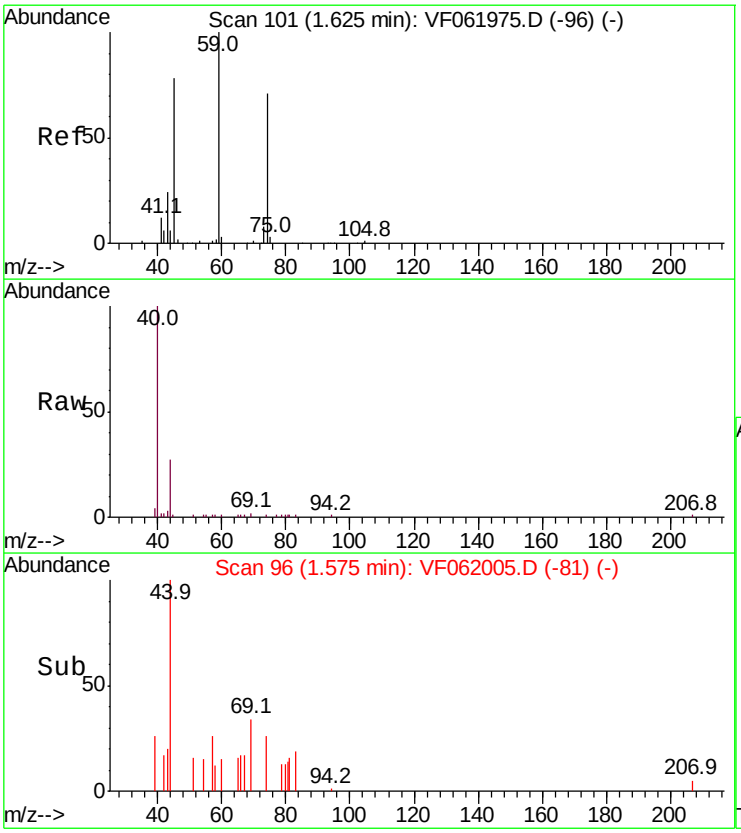
#6
Chloroethane
Concen: 193.975 ug/l
RT: 1.25 min Scan# 63
Delta R.T. -0.14 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 64 Resp: 64

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.6	41.4#

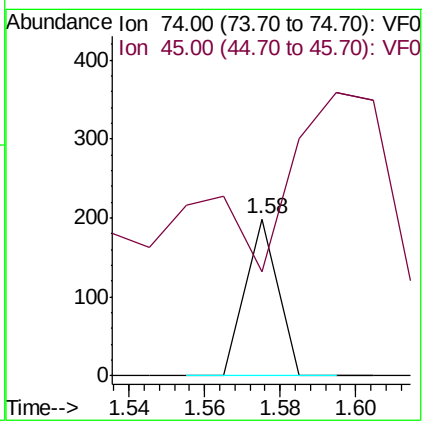


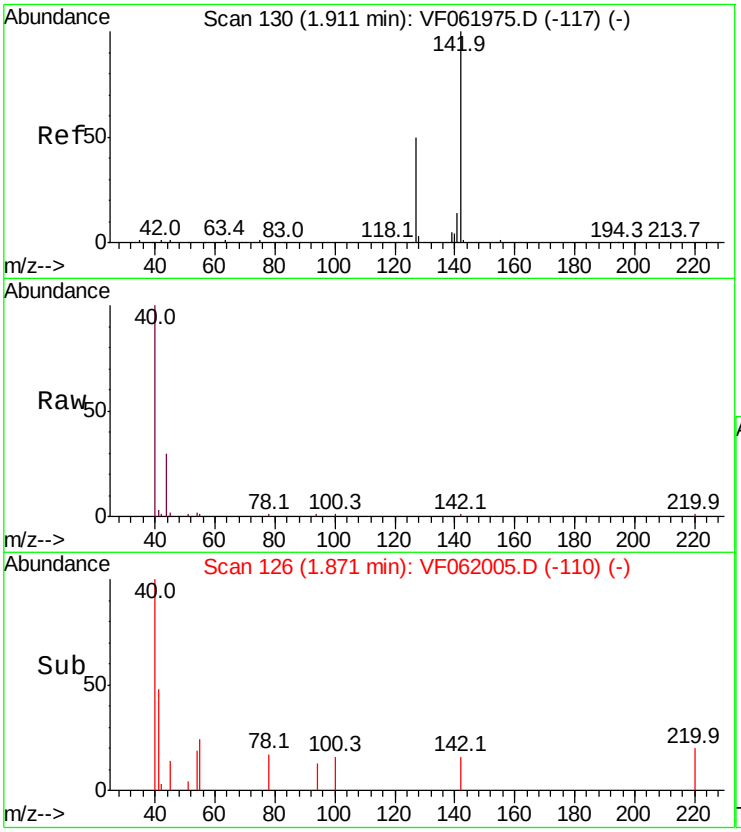


#8
Diethyl Ether
Concen: 626.880 ug/l
RT: 1.58 min Scan# 96
Delta R.T. -0.05 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 74 Resp: 118

Ion	Ratio	Lower	Upper
74	100		
45	66.3	56.3	168.8



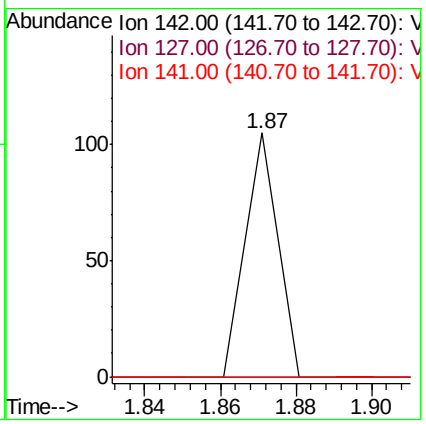


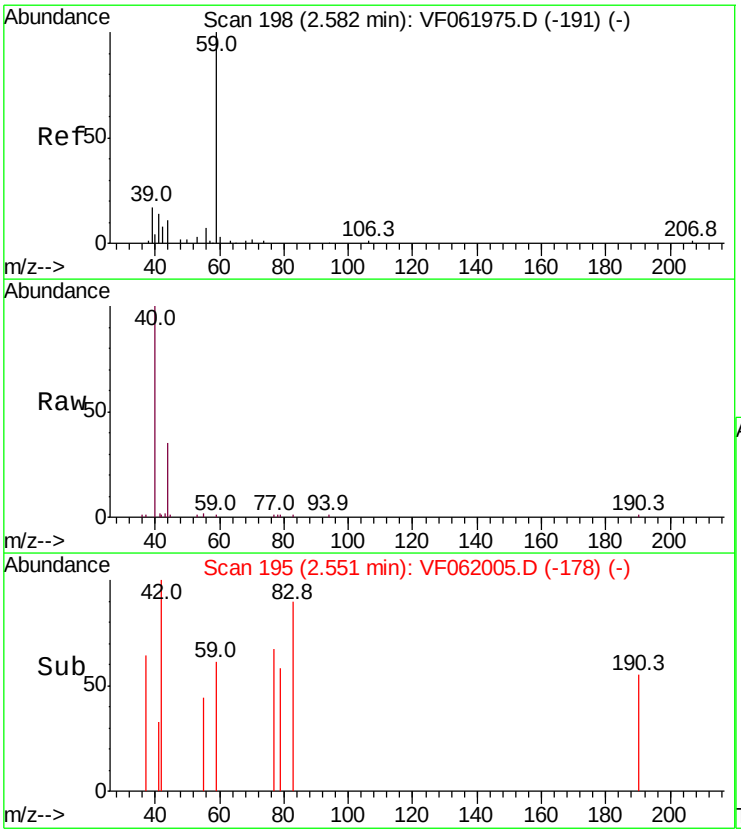
#10
Methyl Iodide
Concen: 59.379 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.04 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion:142 Resp: 62

Ion	Ratio	Lower	Upper
142	100		
127	0.0	39.7	59.5#
141	0.0	10.8	16.2#

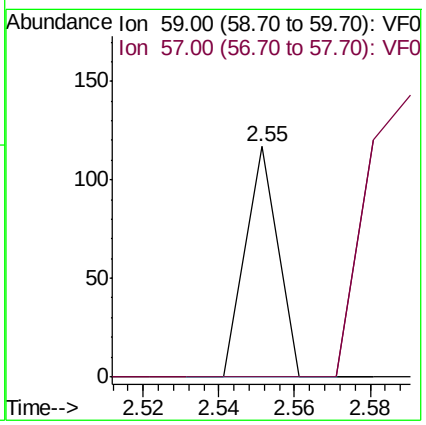


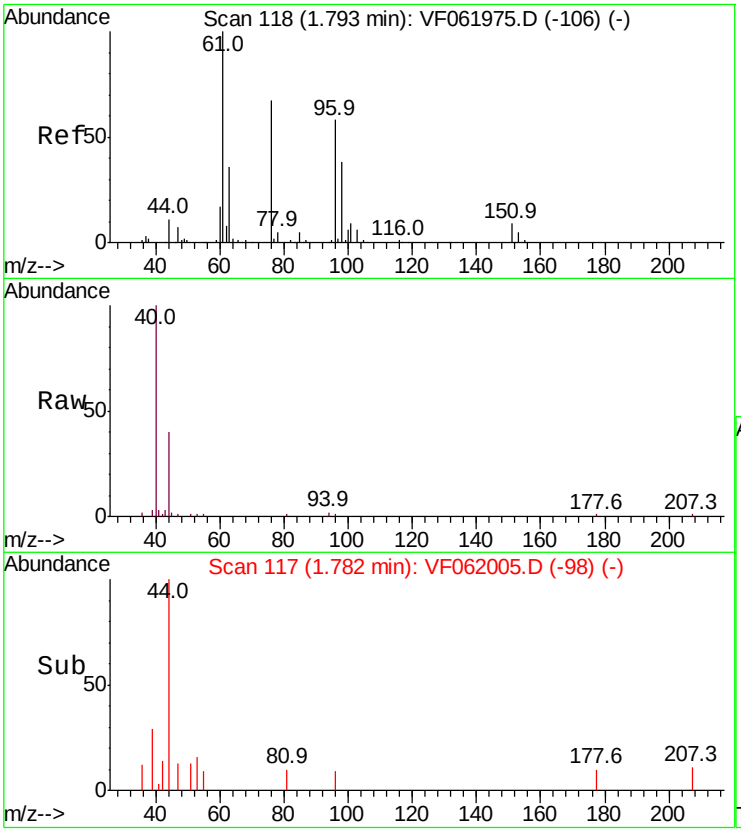


#11
Tert butyl alcohol
Concen: 2568.012 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 59 Resp: 69

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



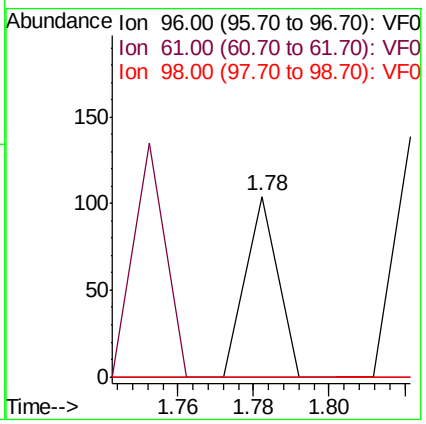


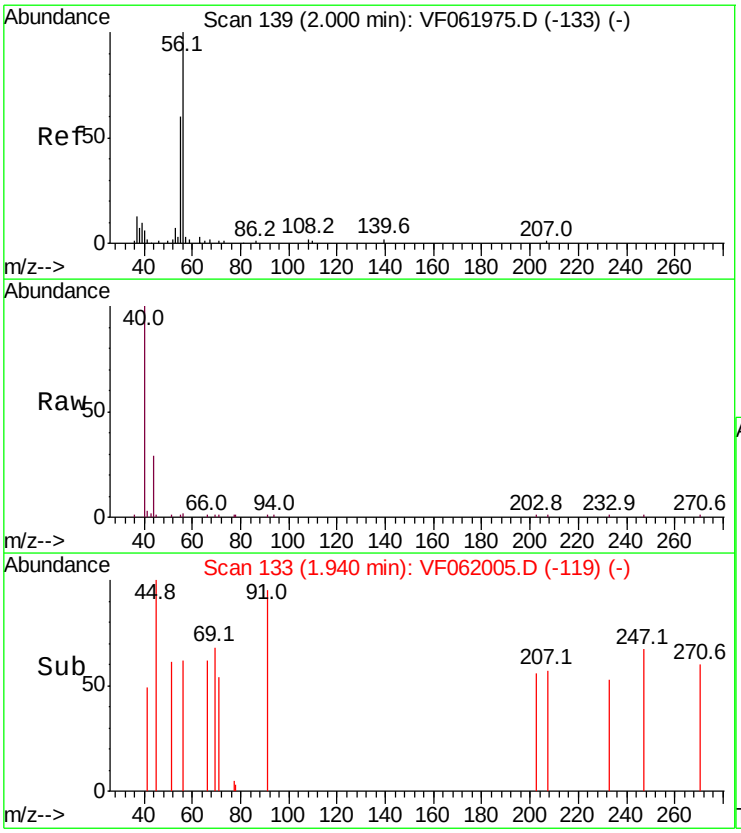
#12
1,1-Dichloroethene
Concen: 120.425 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument : MSVOA_F
ClientSampleId : TP-2

Tgt Ion: 96 Resp: 62

Ion	Ratio	Lower	Upper
96	100		
61	0.0	138.6	208.0#
98	0.0	53.2	79.8#

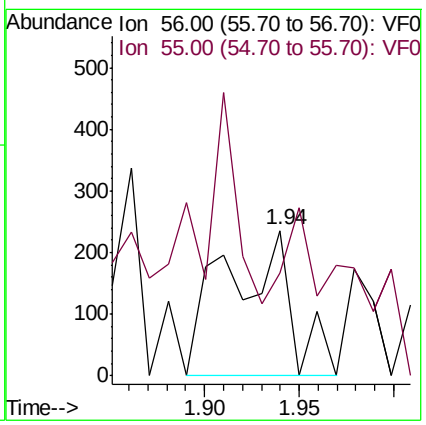


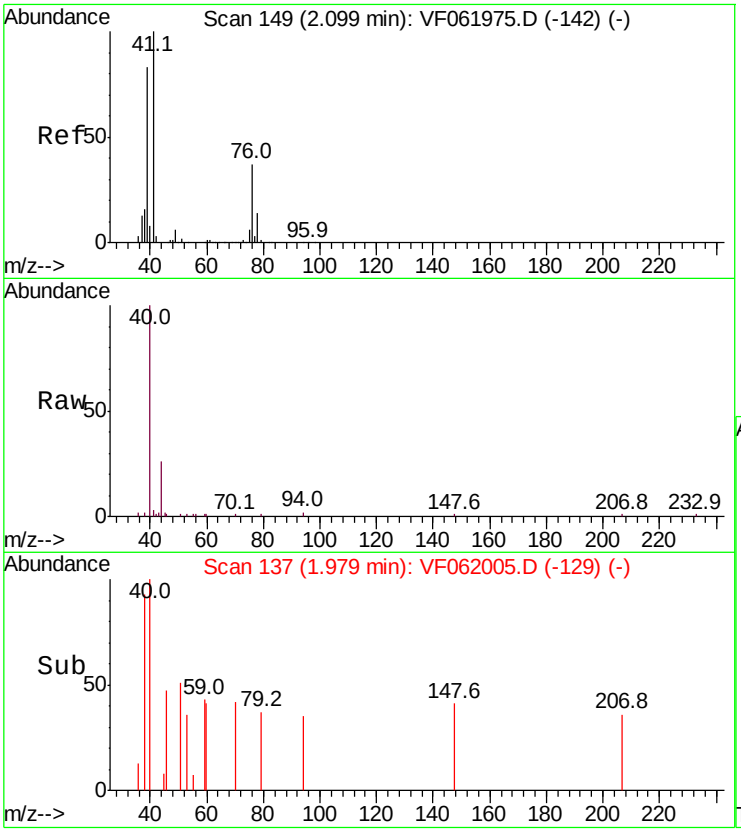


#13
Acrolein
Concen: 19789.074 ug/l
RT: 1.94 min Scan# 133
Delta R.T. -0.06 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 56 Resp: 574

Ion	Ratio	Lower	Upper
56	100		
55	70.3	49.1	73.7



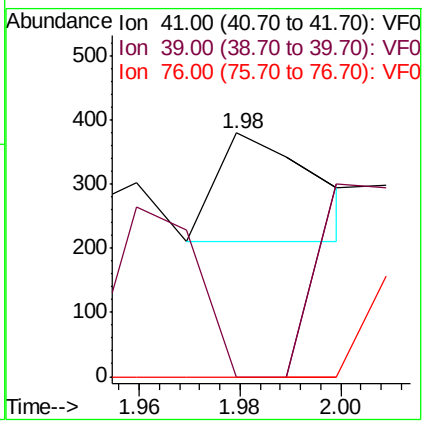


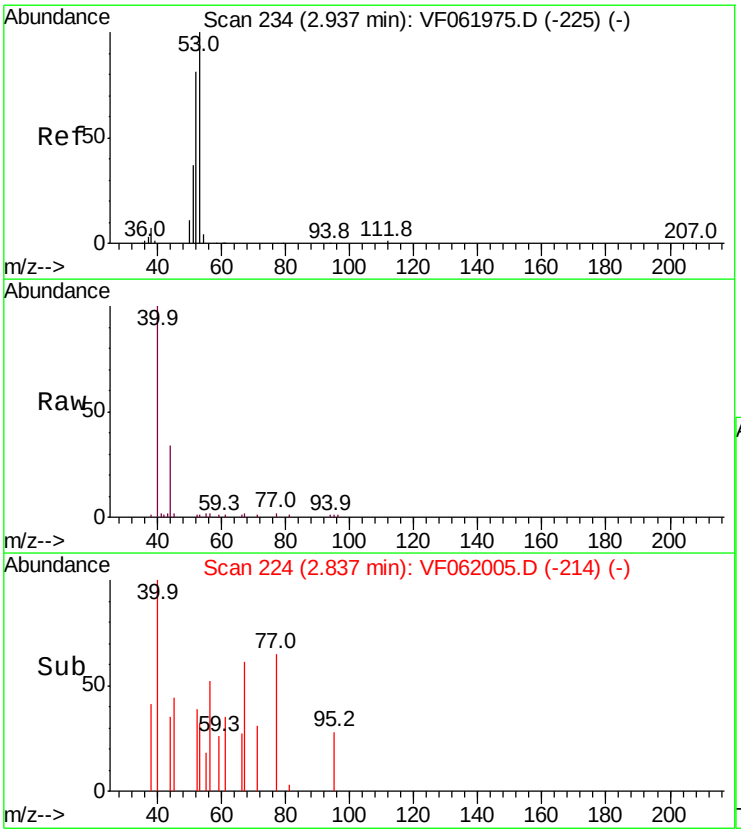
#14
Allyl chloride
Concen: 346.932 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.12 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 41 Resp: 228

Ion	Ratio	Lower	Upper
41	100		
39	0.0	66.8	100.2#
76	0.0	31.1	46.7#

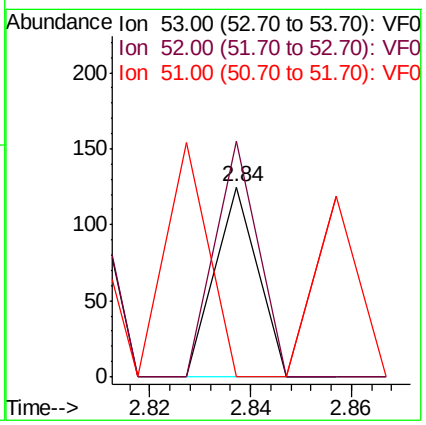


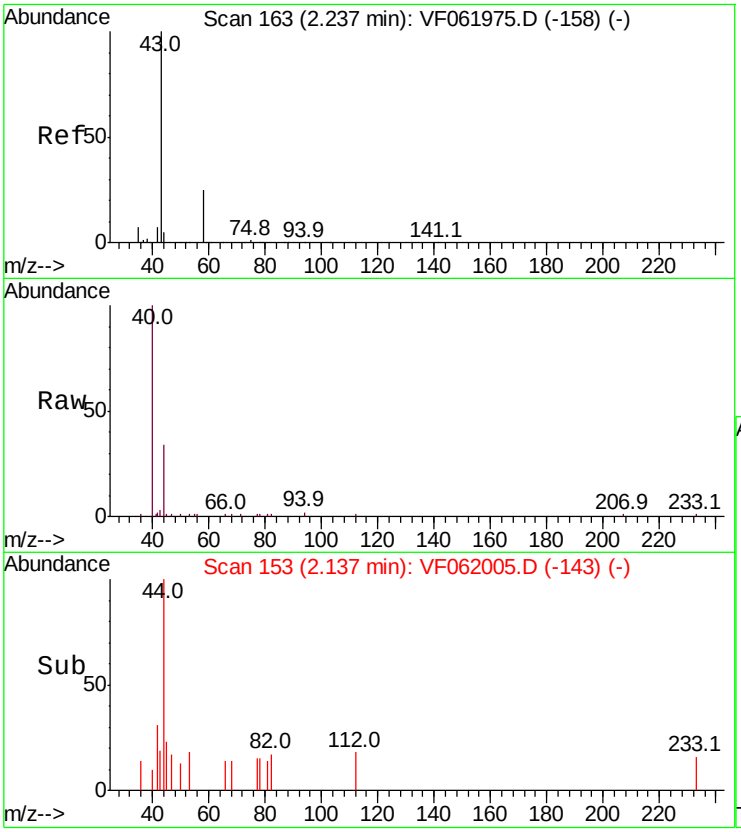


#15
Acrylonitrile
Concen: 905.670 ug/l
RT: 2.84 min Scan# 224
Delta R.T. -0.10 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 53 Resp: 74

Ion	Ratio	Lower	Upper
53	100		
52	124.0	64.4	96.6#
51	0.0	30.3	45.5#



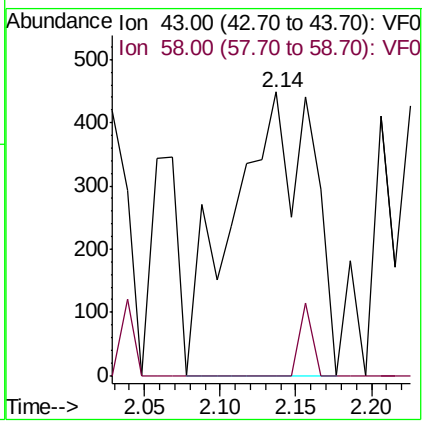


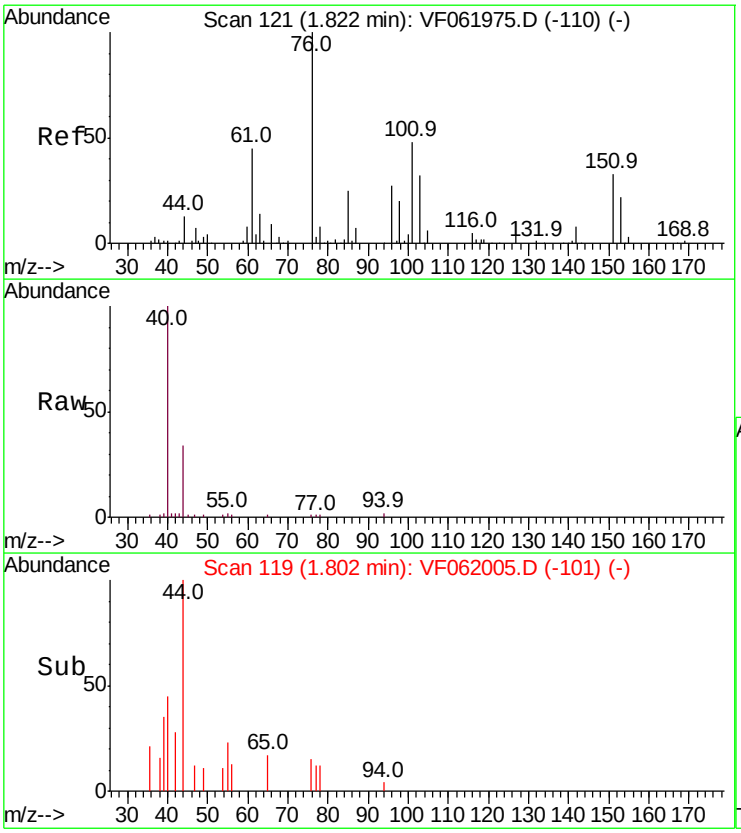
#16
Acetone
Concen: 16602.067 ug/l
RT: 2.14 min Scan# 153
Delta R.T. -0.10 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 43 Resp: 1637

Ion	Ratio	Lower	Upper
43	100		
58	0.0	19.9	29.9#

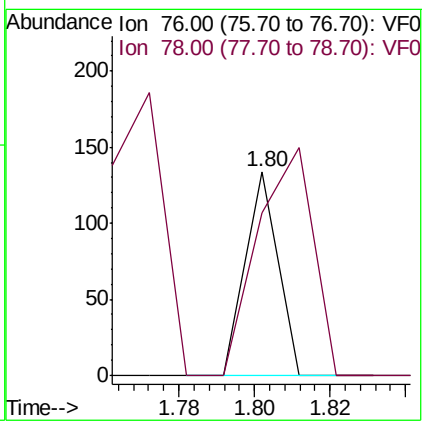


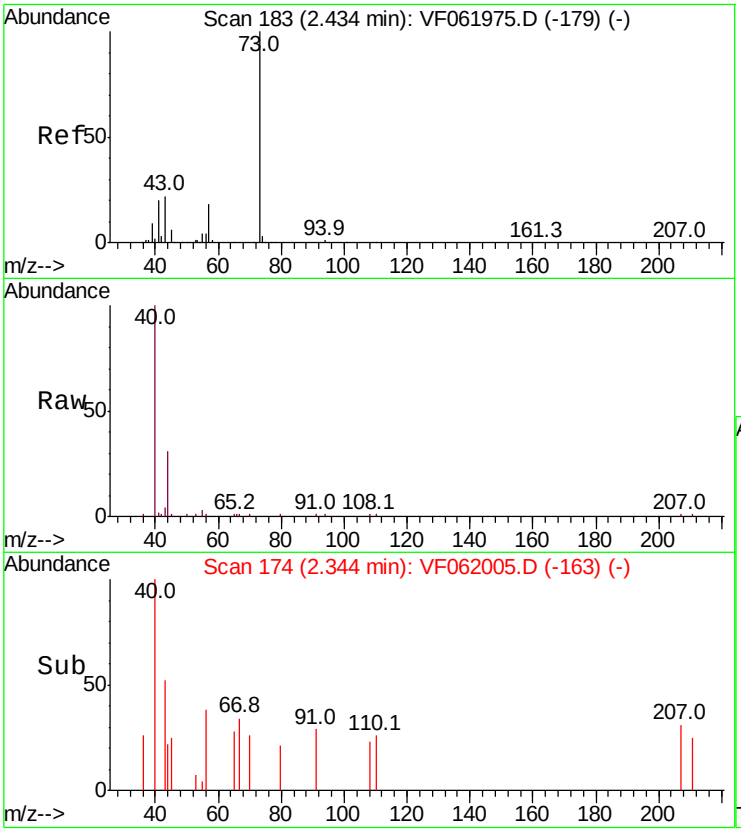


#17
Carbon Disulfide
Concen: 53.057 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 76 Resp: 79

Ion	Ratio	Lower	Upper
76	100		
78	79.9	6.8	10.2#



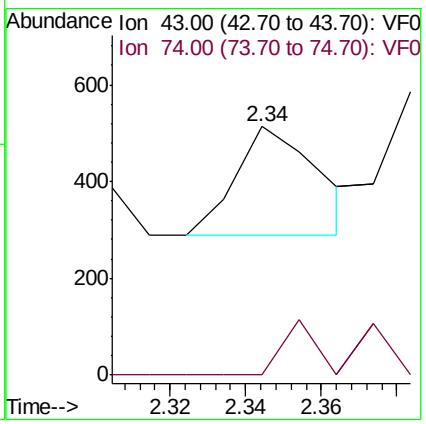


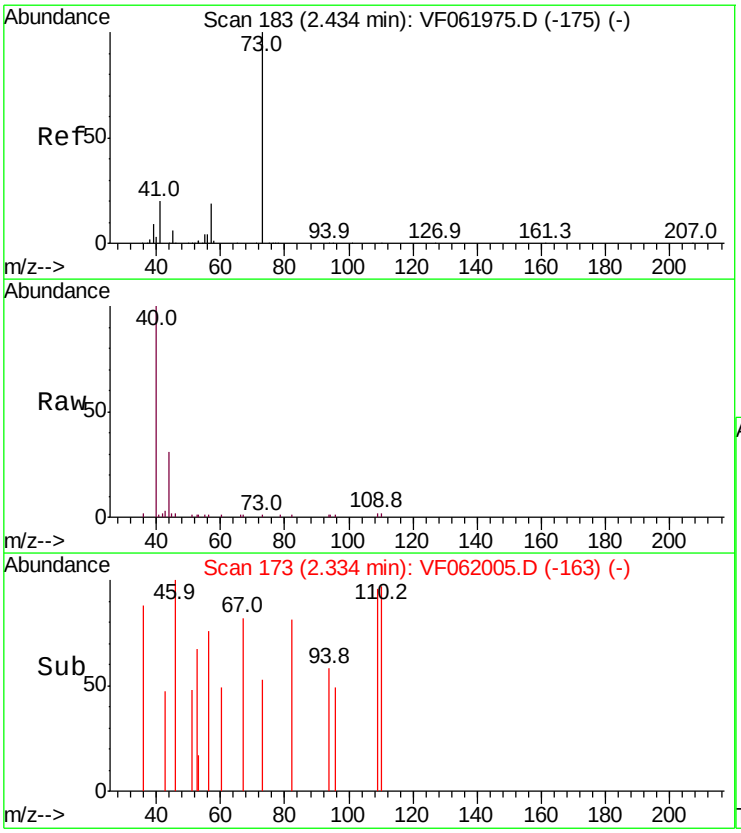
#18
Methyl Acetate
Concen: 1675.548 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.09 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument : MSVOA_F
ClientSampleId : TP-2

Tgt Ion: 43 Resp: 338

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.6	18.8#

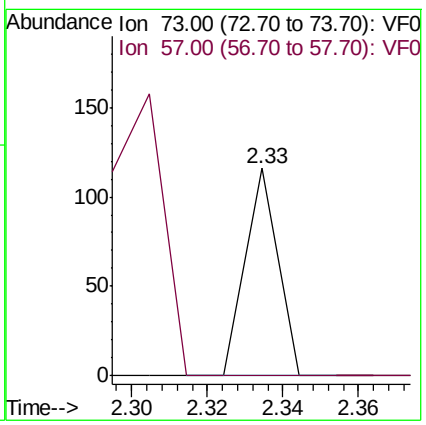


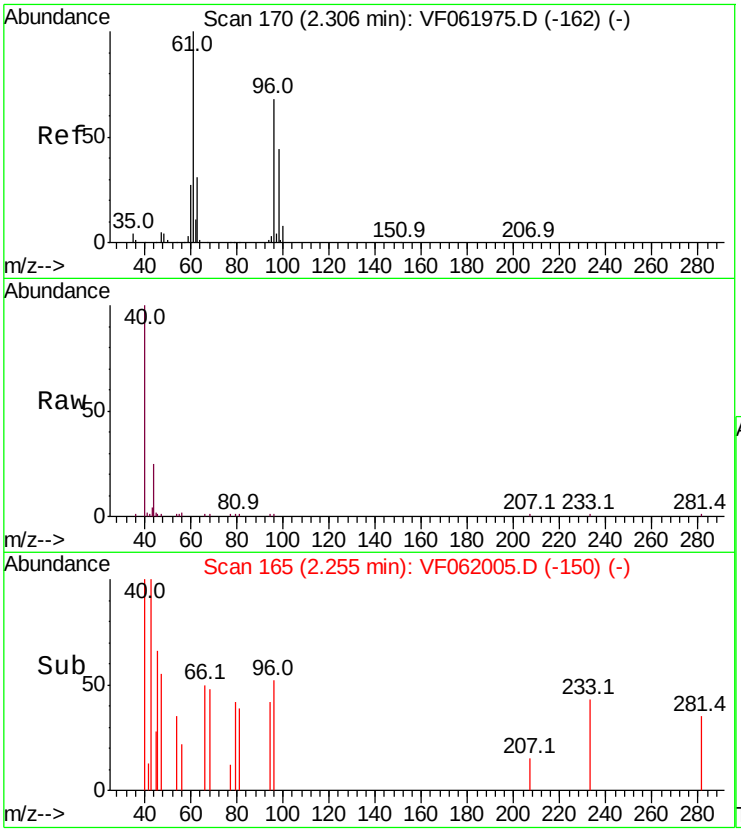


#19
Methyl tert-butyl Ether
Concen: 73.963 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.10 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 73 Resp: 69

Ion	Ratio	Lower	Upper
73	100		
57	0.0	15.3	22.9#



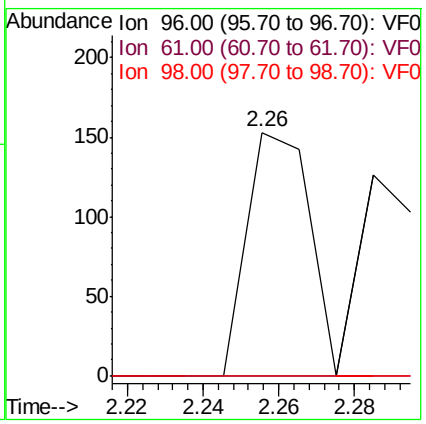


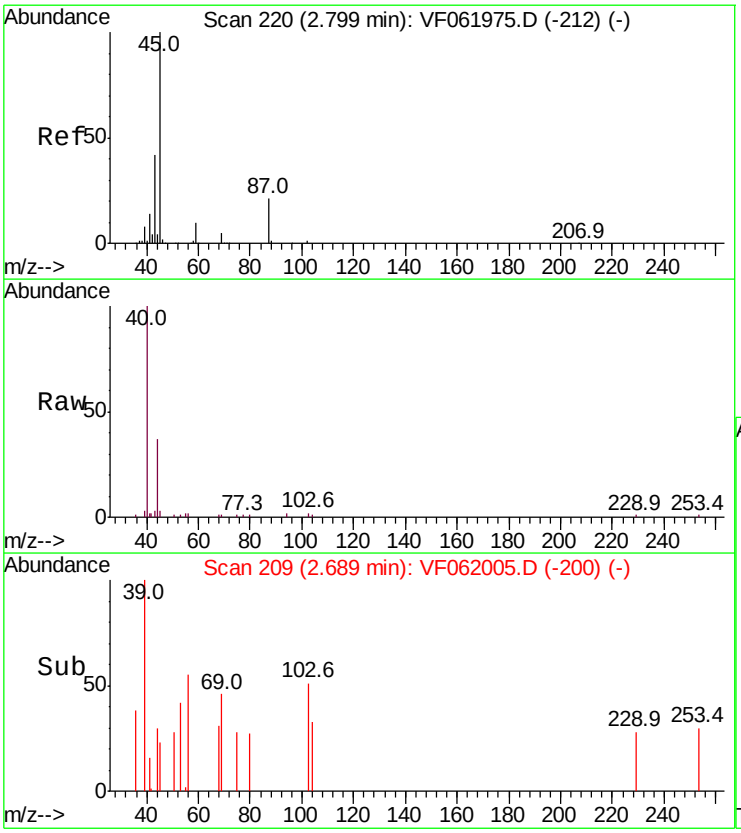
#21
trans-1,2-Dichloroethene
Concen: 325.721 ug/l
RT: 2.26 min Scan# 165
Delta R.T. -0.05 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 96 Resp: 175

Ion	Ratio	Lower	Upper
96	100		
61	0.0	117.4	176.2#
98	0.0	51.2	76.8#

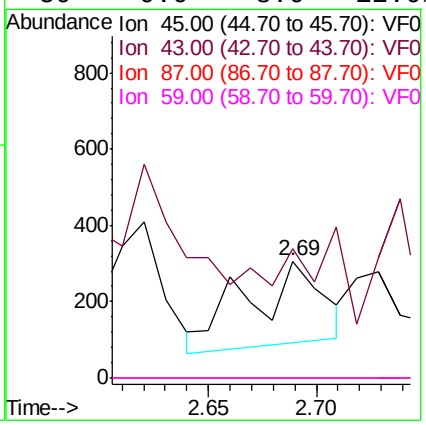


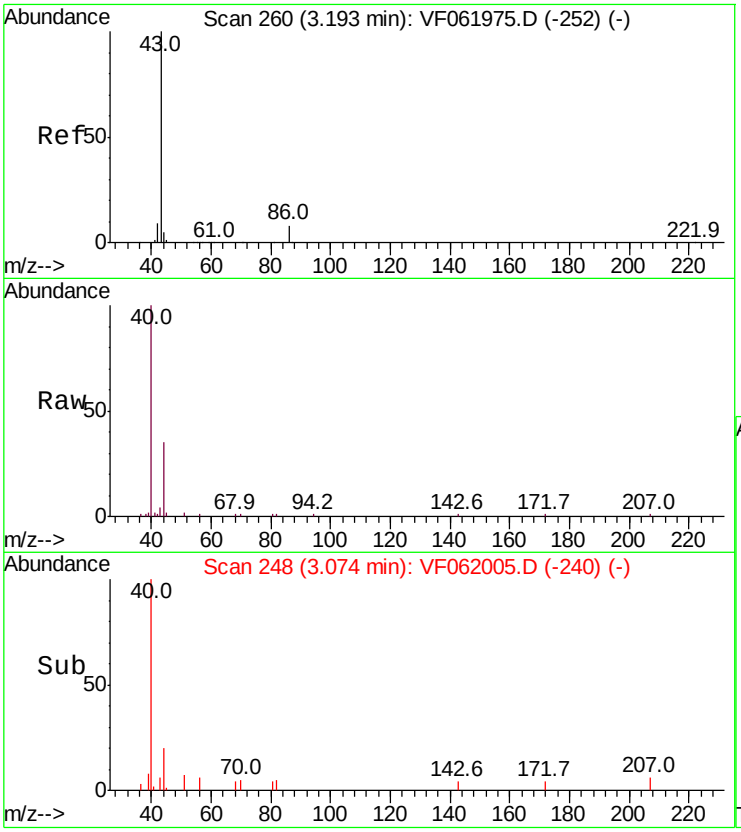


#22
Diisopropyl ether
Concen: 331.485 ug/l
RT: 2.69 min Scan# 209
Delta R.T. -0.11 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 45 Resp: 524

Ion	Ratio	Lower	Upper
45	100		
43	110.5	33.7	50.5#
87	0.0	17.1	25.7#
59	0.0	8.0	12.0#



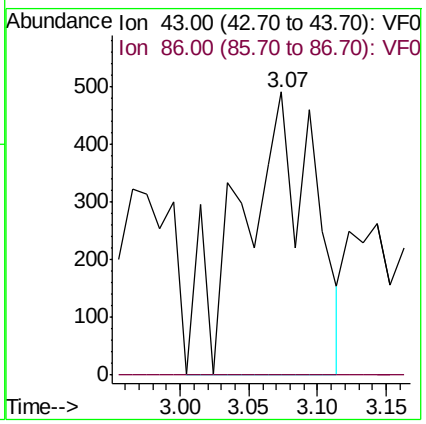


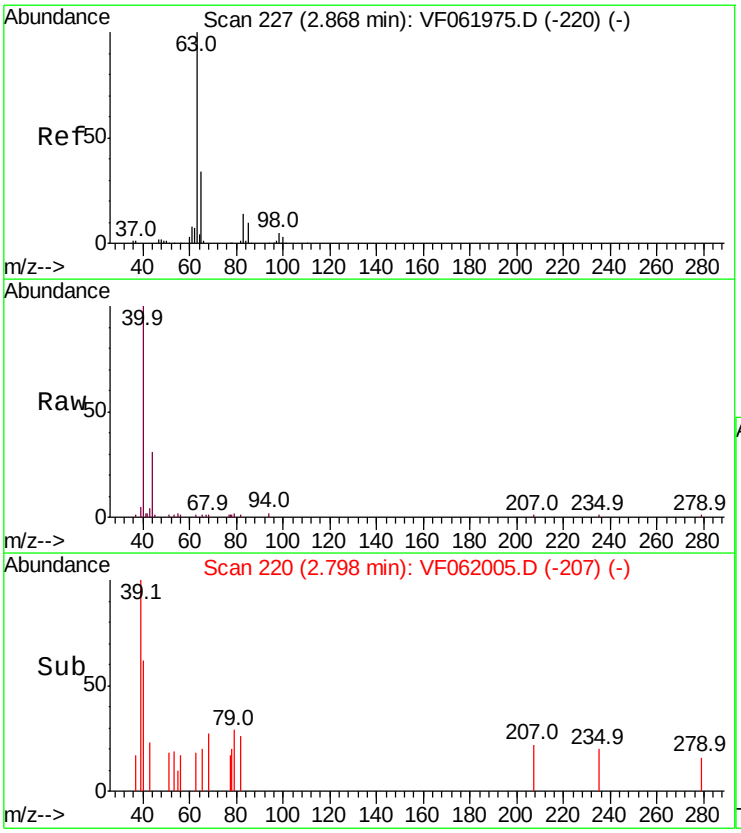
#23
Vinyl Acetate
Concen: 2931.852 ug/l
RT: 3.07 min Scan# 248
Delta R.T. -0.12 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument : MSVOA_F
ClientSampleId : TP-2

Tgt Ion: 43 Resp: 1827

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#

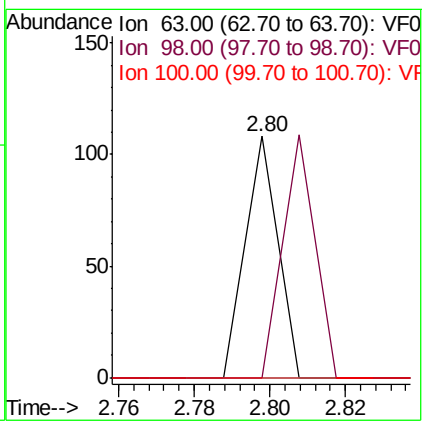


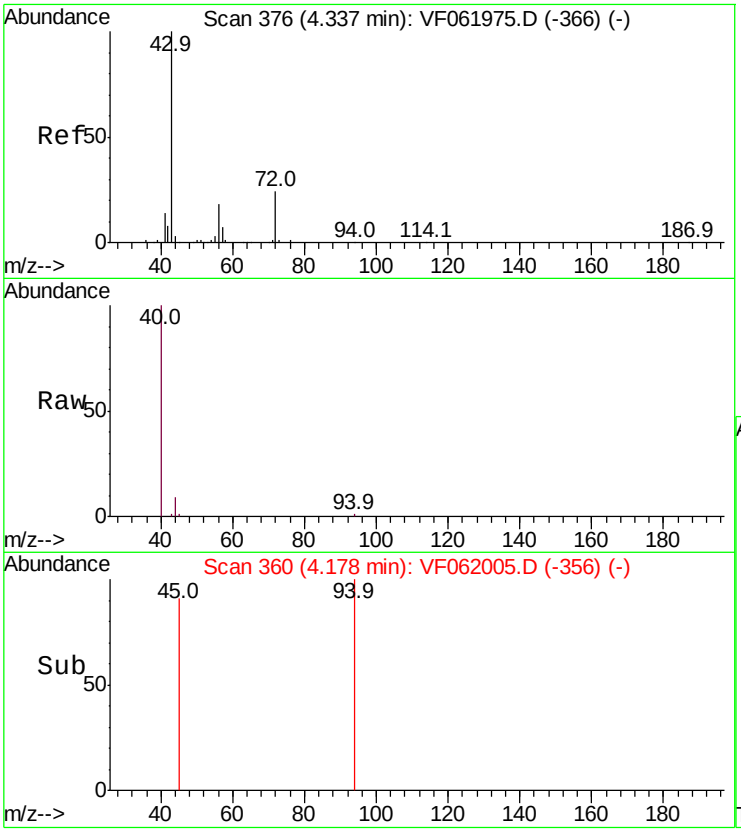


#24
1,1-Dichloroethane
Concen: 69.629 ug/l
RT: 2.80 min Scan# 220
Delta R.T. -0.07 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 63 Resp: 64

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.7	8.1#
100	0.0	1.7	5.0#



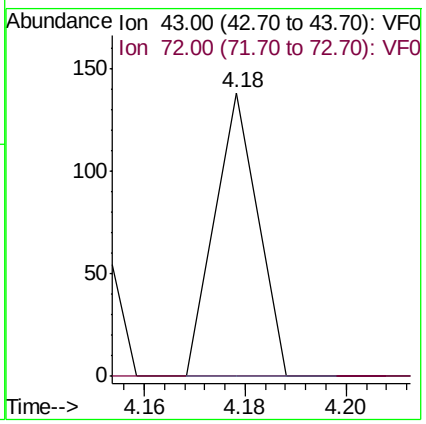


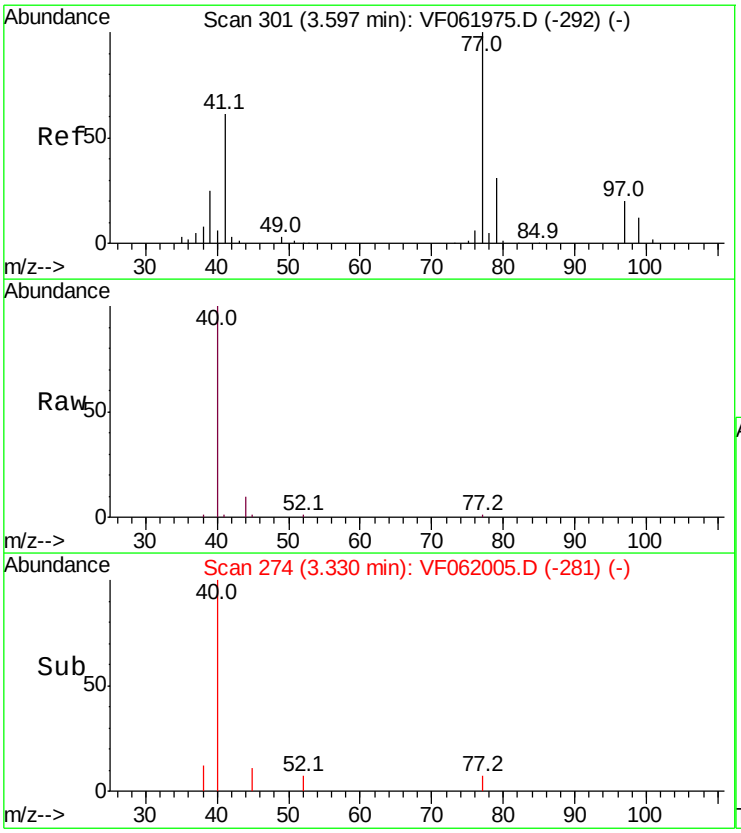
#25
2-Butanone
Concen: 419.914 ug/l
RT: 4.18 min Scan# 360
Delta R.T. -0.16 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 43 Resp: 82

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#

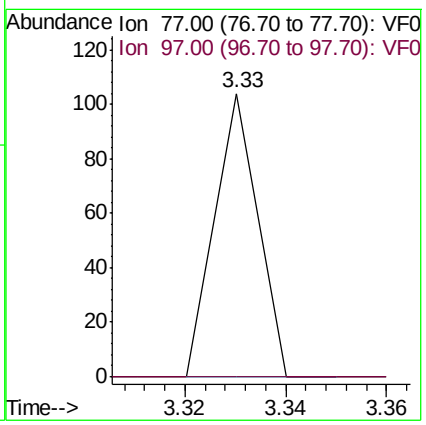


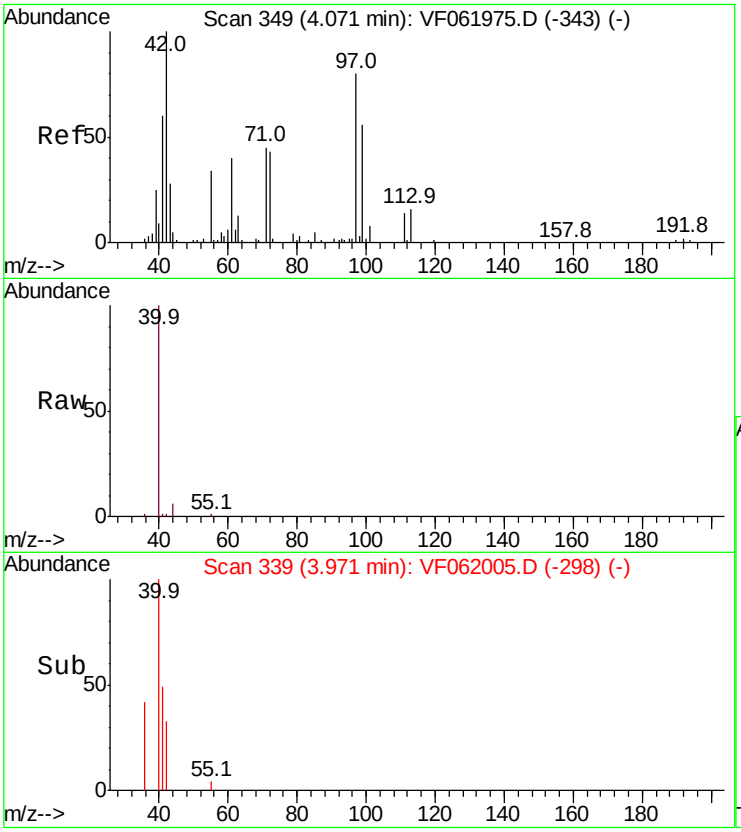


#26
2,2-Dichloropropane
Concen: 143.005 ug/l
RT: 3.33 min Scan# 274
Delta R.T. -0.27 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 77 Resp: 62

Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.8	32.4#



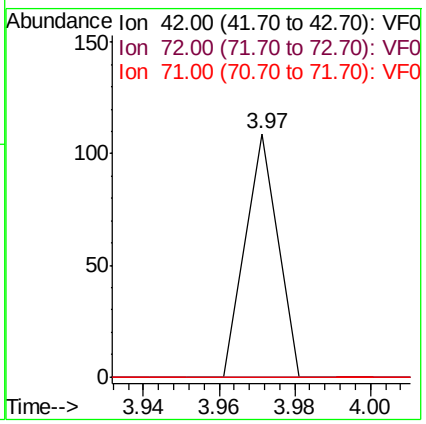


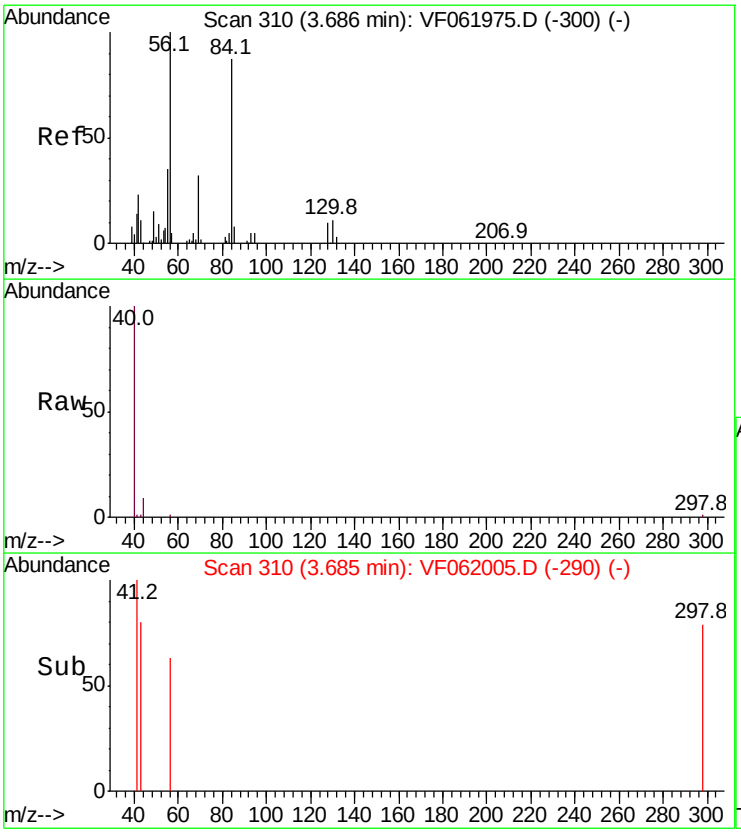
#29
Tetrahydrofuran
Concen: 753.602 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.10 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 42 Resp: 64

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.0	51.0#
71	0.0	34.2	51.4#

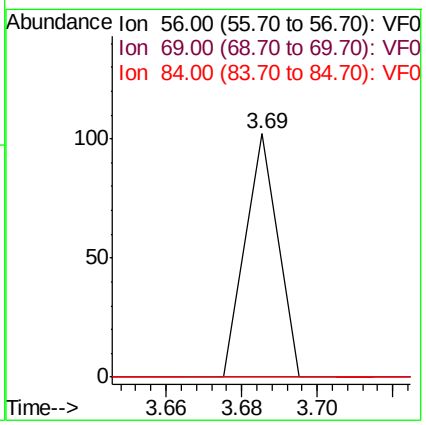


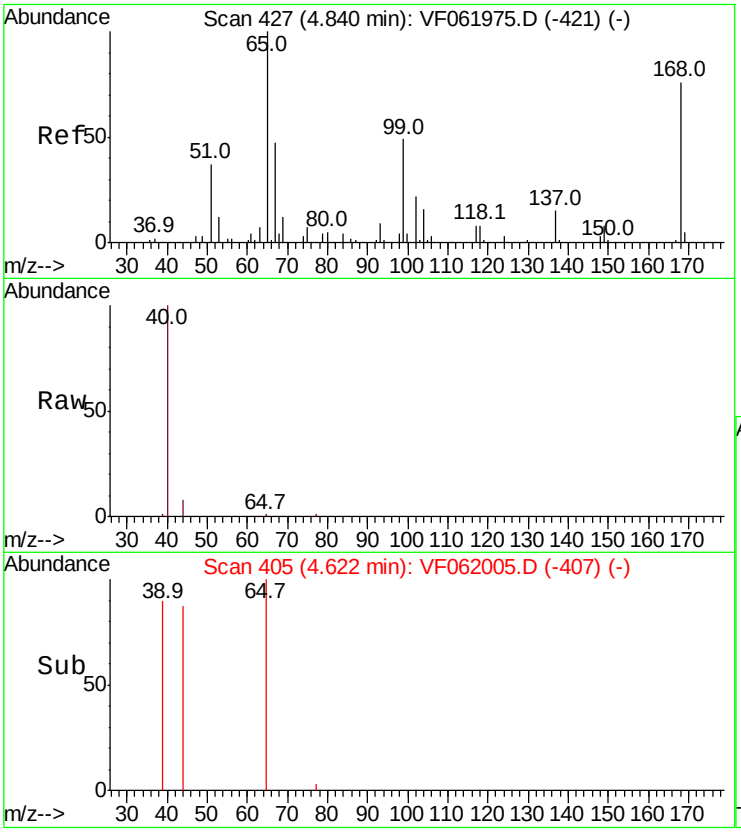


#31
Cyclohexane
Concen: 66.627 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 56 Resp: 60

Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.8	38.8#
84	0.0	69.5	104.3#



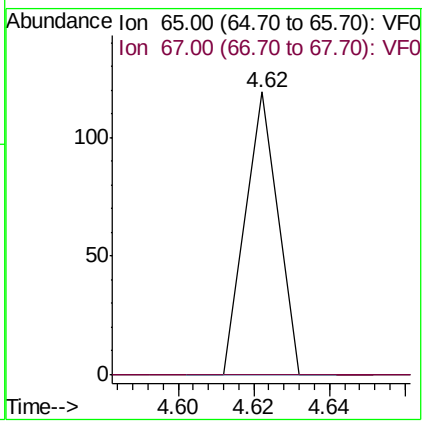


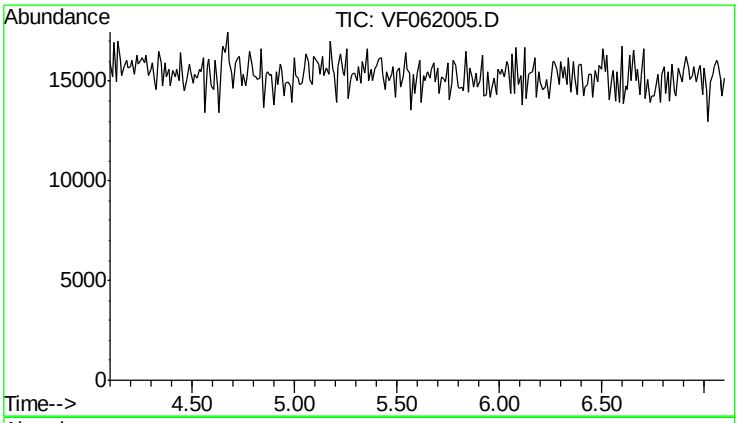
#33
1,2-Dichloroethane-d4
Concen: 159.416 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.22 min
Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 65 Resp: 70

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	109.4



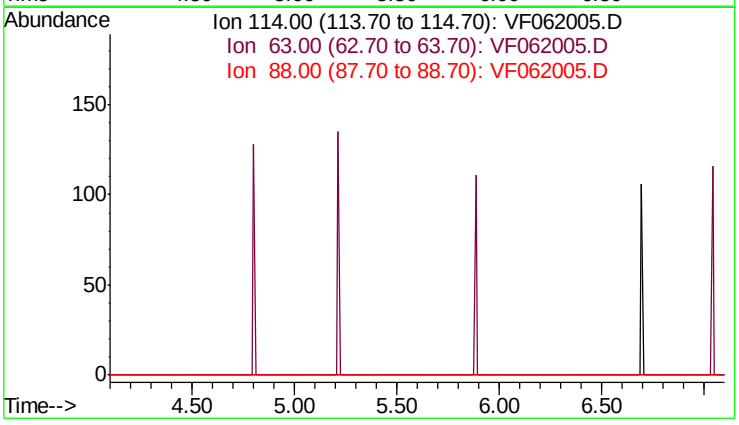


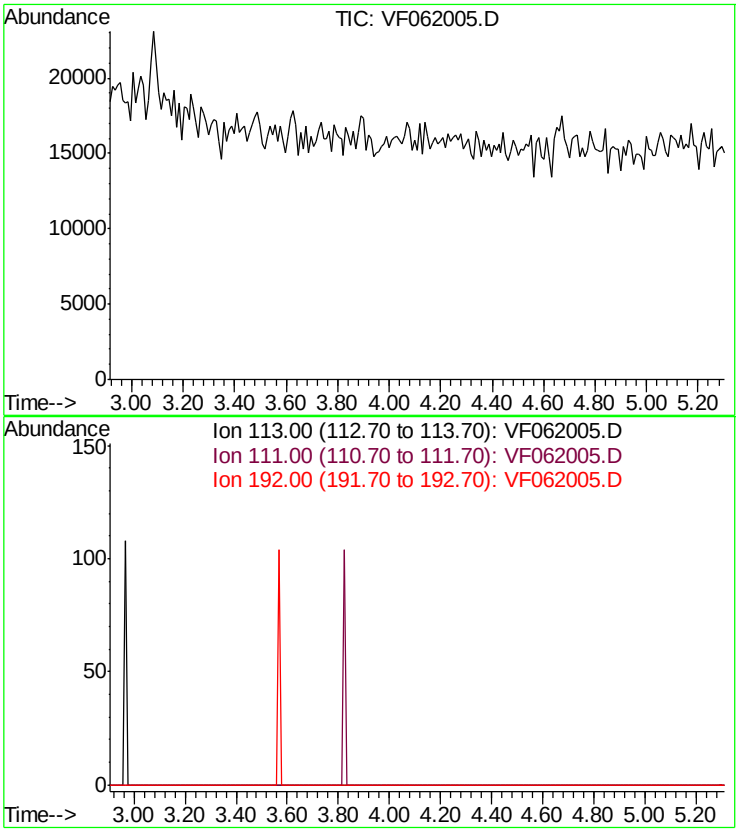
#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 5.60 min

Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 114

Sig	Exp Ratio
114	100
63	18.2
88	18.2





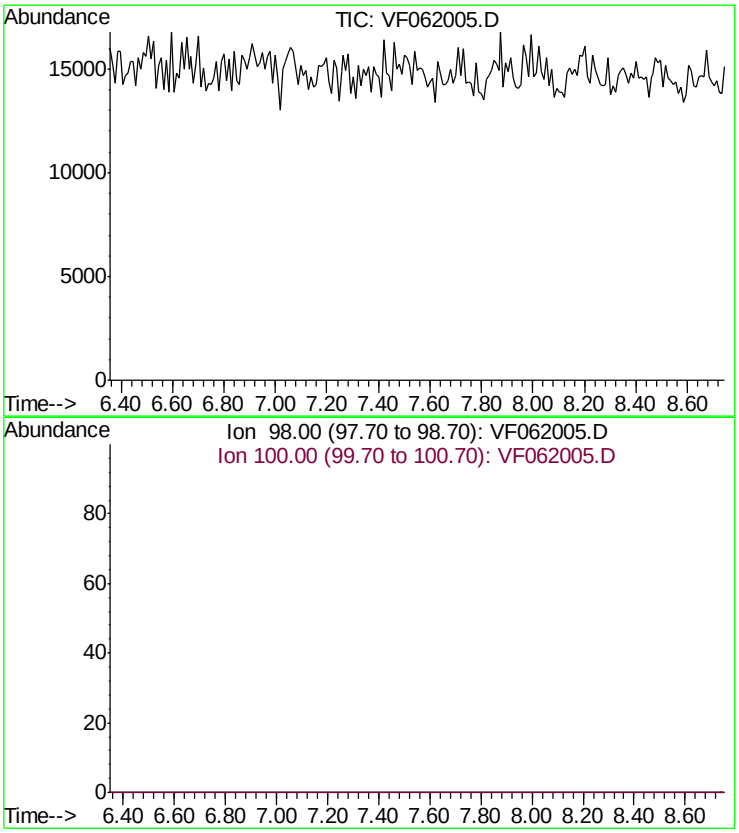
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.11 min

Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.0
192	16.3

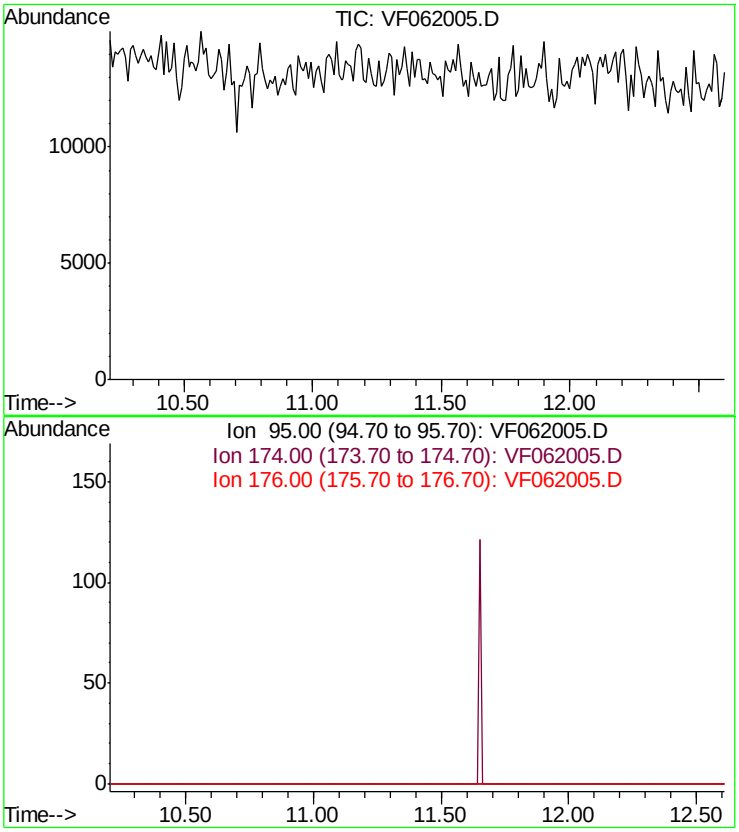


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.55 min

Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	71.0



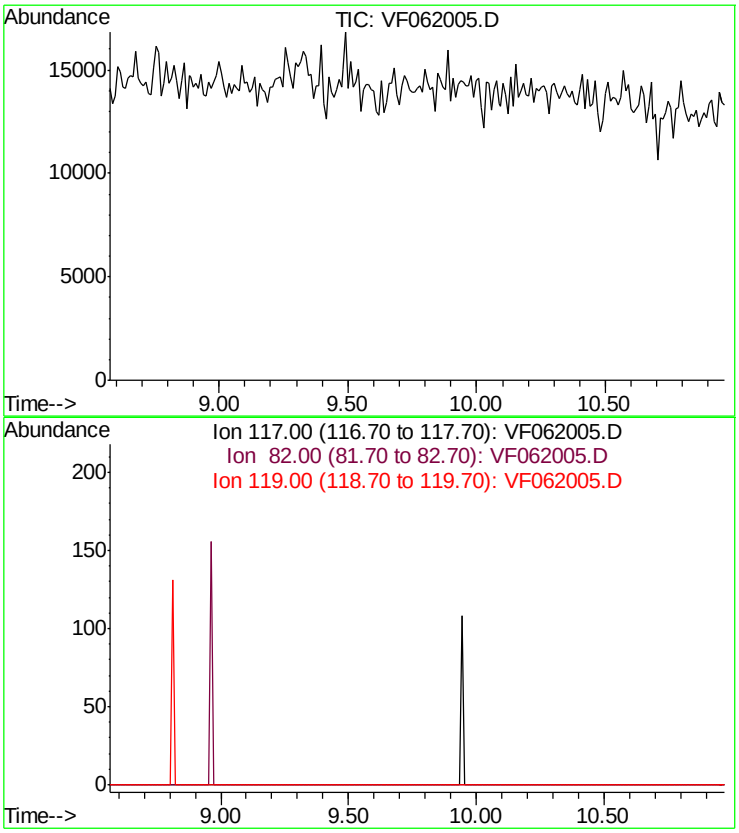
#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.41 min

Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	74.7
176	71.7

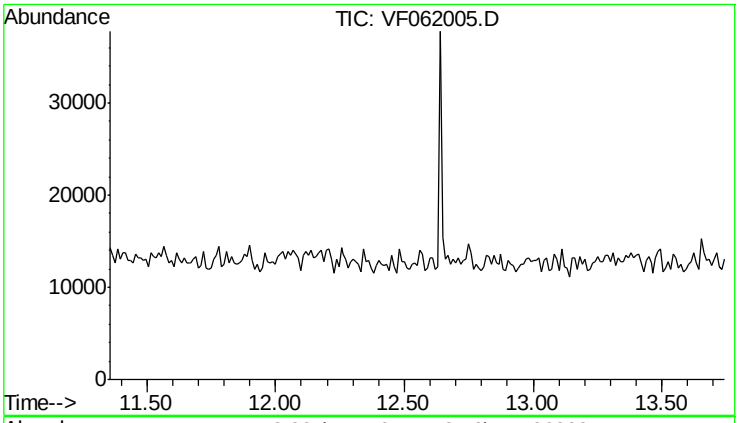


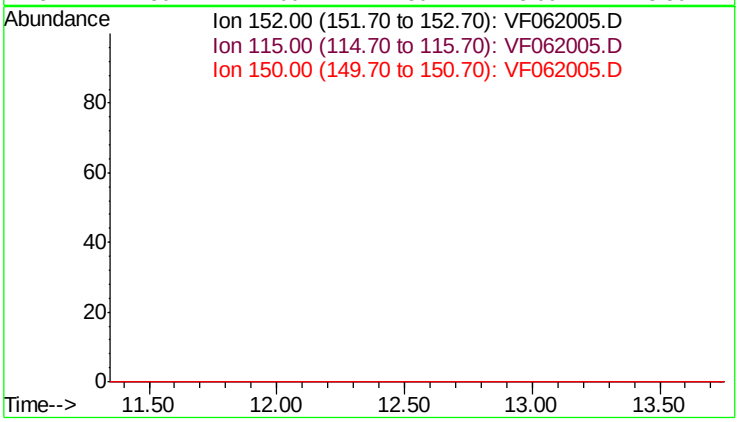
#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 9.77 min

Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	53.1
119	31.7





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.55 min

Lab File: VF062005.D
Acq: 18 Mar 2019 18:55

Instrument :
MSVOA_F
ClientSampleId :
TP-2

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	54.6
150	158.1