Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\

Quantitation Report (Not Reviewed)

Data File : VF061306.D
Acq On : 9 Jan 2019 17:37
Operator : VA/AP
Sample : K1082-29
Misc : 4.16g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SP-1-3

Quant Time: Jan 10 05:57:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	67	50.00	ug/l	0.08
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	-9.79
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	89	119.34	ug/l	-0.02
Spiked Amount 50.000			Recovery = 238.68%			
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery = 0.00%			
50) Toluene-d8	7.47	98	68	0.00	ug/l	-0.10
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	1.08	50	63	57.204	ug/l #	40
4) Vinyl Chloride	1.27	62	64	65.065	ug/l #	43
5) Bromomethane	1.29	94	586	Below Cal	#	6
6) Chloroethane	1.36	64	62	129.078	ug/l #	45
8) Diethyl Ether	1.71	74	60	245.039	ug/l	59
9) 1,1,2-Trichlorotrifluoroet	1.87	101	60	68.145	ug/l #	23
10) Methyl Iodide	1.99	142	59	42.772	ug/l #	32
12) 1,1-Dichloroethene	1.78	96	195	276.962	ug/l #	1
13) Acrolein	1.95	56	424	14244.896	ug/l	83
14) Allyl chloride	2.14	41	1829	1421.223	ug/l #	51
15) Acrylonitrile	2.99	53	65	614.090	ug/l #	12
16) Acetone	2.13	43	409	2357.624	ug/l	99
17) Carbon Disulfide	1.77	76	60	25.801	ug/l #	74
18) Methyl Acetate	2.39	43	821	2405.408	ug/l #	65
19) Methyl tert-butyl Ether	2.39	73	131	97.639	ug/l #	1
20) Methylene Chloride	2.17	84	63	85.841	ug/l #	1
21) trans-1,2-Dichloroethene	2.34	96	250	335.089	ug/l #	1
22) Diisopropyl ether	2.86	45	585	234.964	ug/l #	23
23) Vinyl Acetate	3.26	43	257	352.965	ug/l #	77
24) 1,1-Dichloroethane	2.85	63	64	44.438	ug/l #	87
25) 2-Butanone	4.38	43	130	465.593	ug/l #	56
27) cis-1,2-Dichloroethene	3.43	96	60	57.601	ug/l	1
28) Bromochloromethane	3.66	49	63	99.213	ug/l #	13
29) Tetrahydrofuran	4.12	42	187	1601.827	ug/l #	36
30) Chloroform	3.88	83	60	32.818	ug/l #	16
31) Cyclohexane	3.59	56	64	42.359	ug/l #	14

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

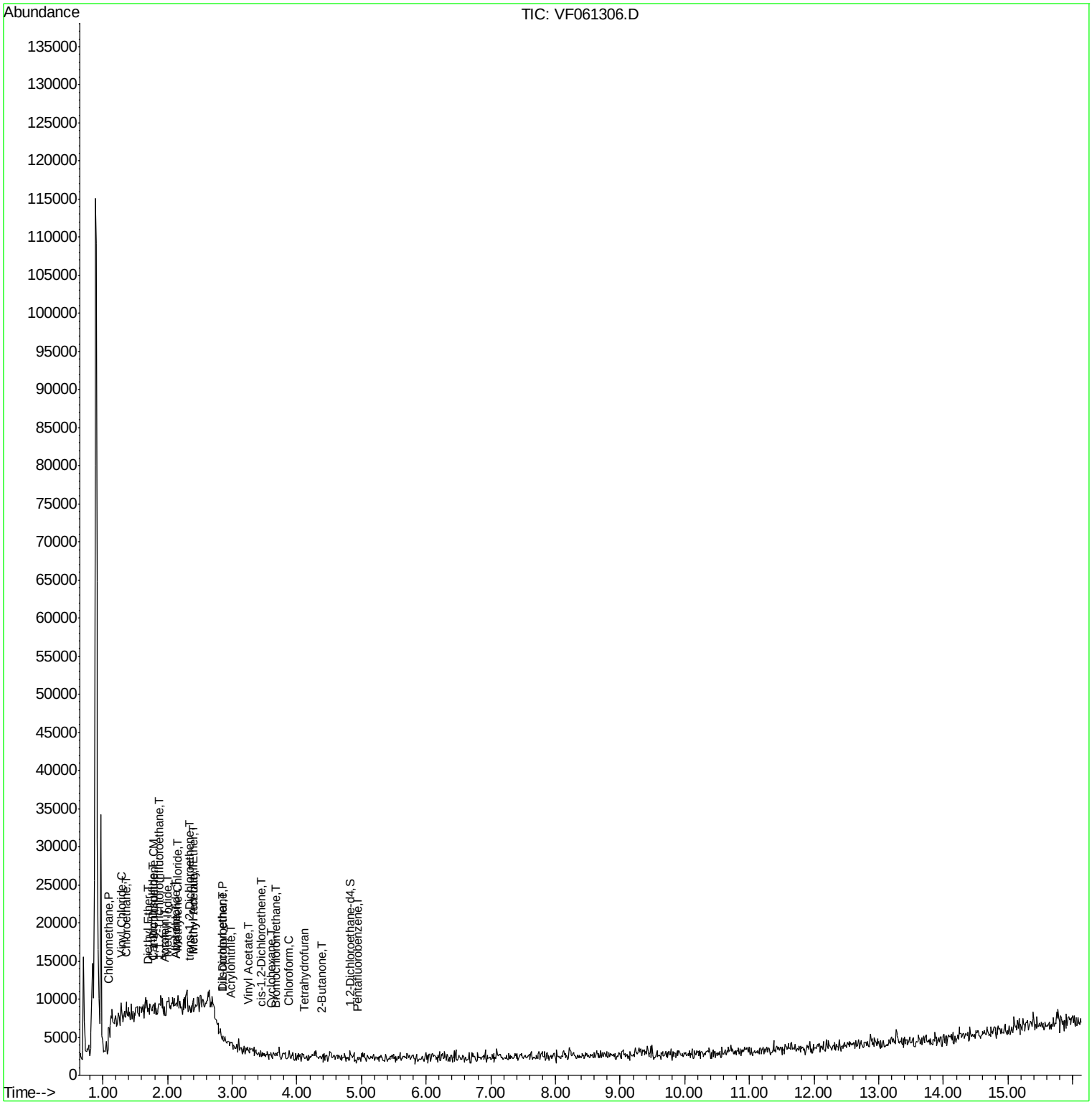
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\

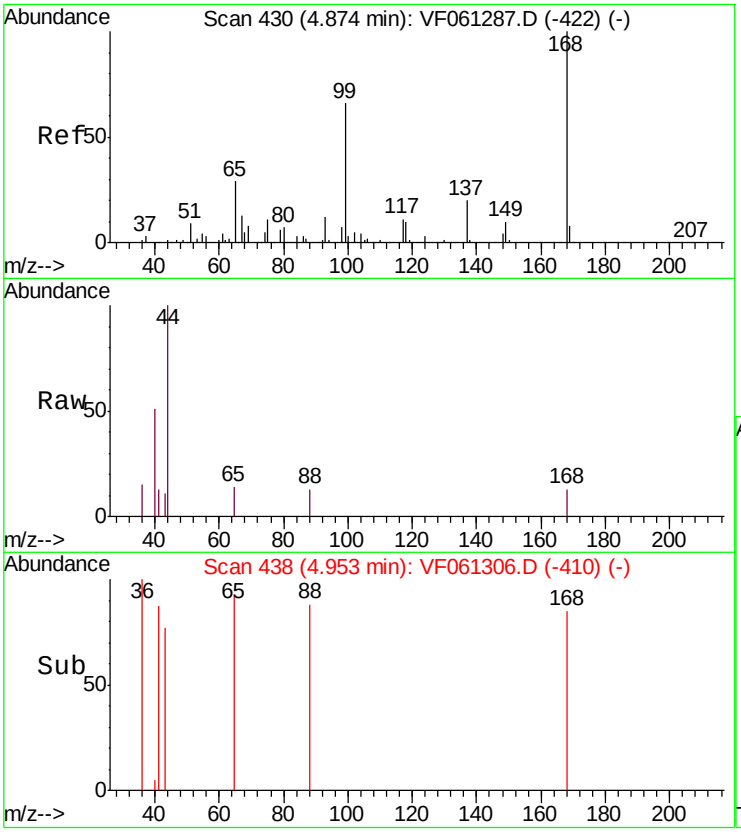
Quantitation Report (Not Reviewed)

Data File : VF061306.D
Acq On : 9 Jan 2019 17:37
Operator : VA/AP
Sample : K1082-29
Misc : 4.16g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Quant Time: Jan 10 05:57:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration



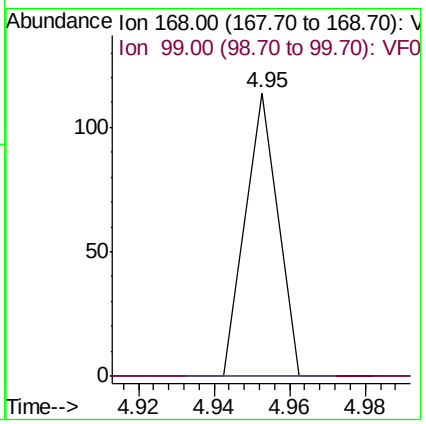


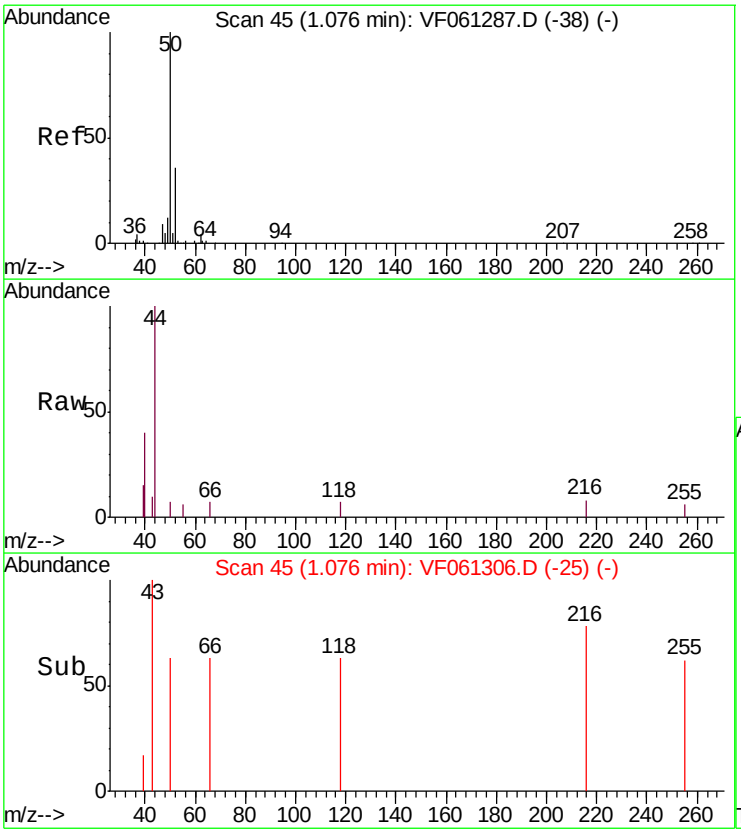
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.08 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion:168 Resp: 67

Ion	Ratio	Lower	Upper
168	100		
99	0.0	52.7	79.1#

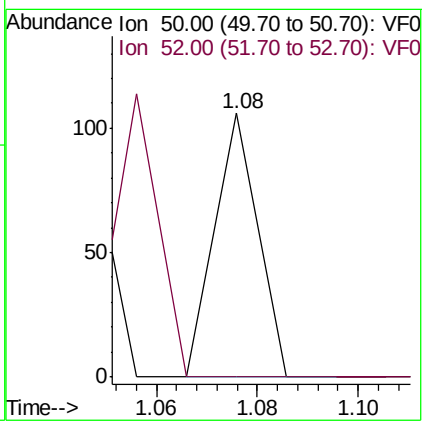


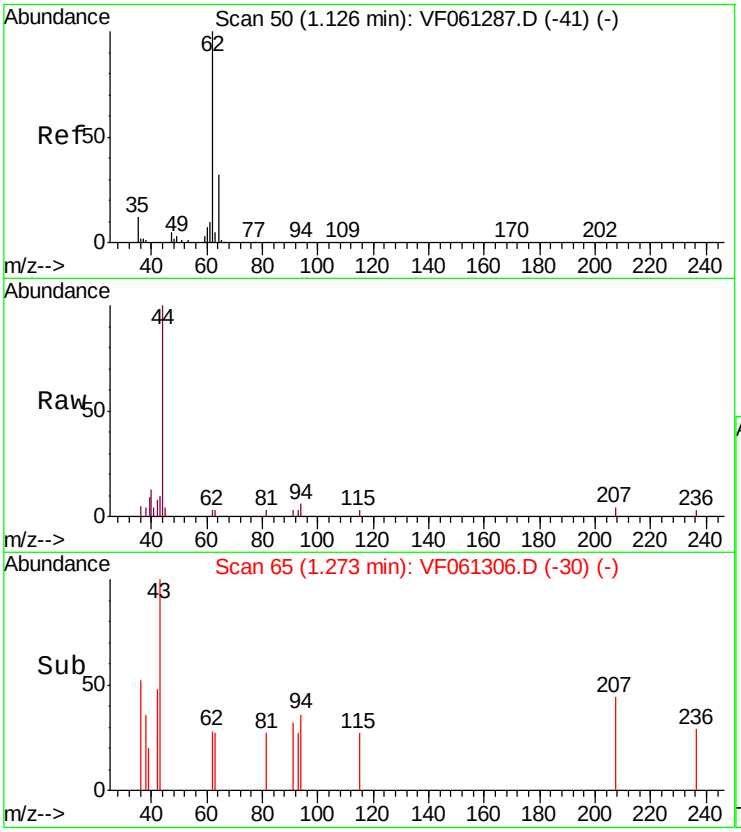


#3
Chloromethane
Concen: 57.204 ug/l
RT: 1.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 50 Resp: 63

Ion	Ratio	Lower	Upper
50	100		
52	0.0	28.2	42.2#



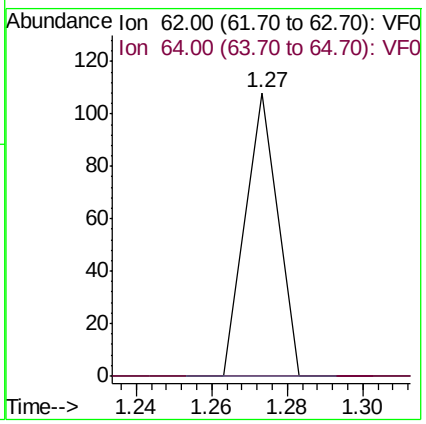


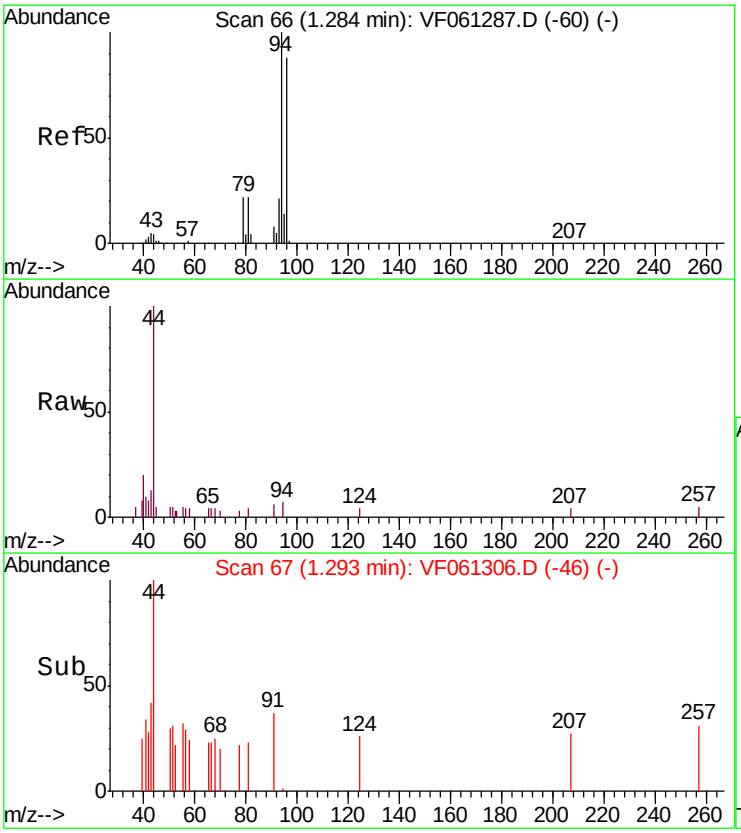
#4
Vinyl Chloride
Concen: 65.065 ug/l
RT: 1.27 min Scan# 65
Delta R.T. 0.15 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 62 Resp: 64

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.4	38.0#

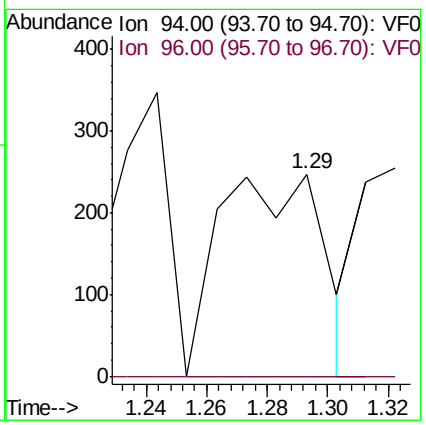


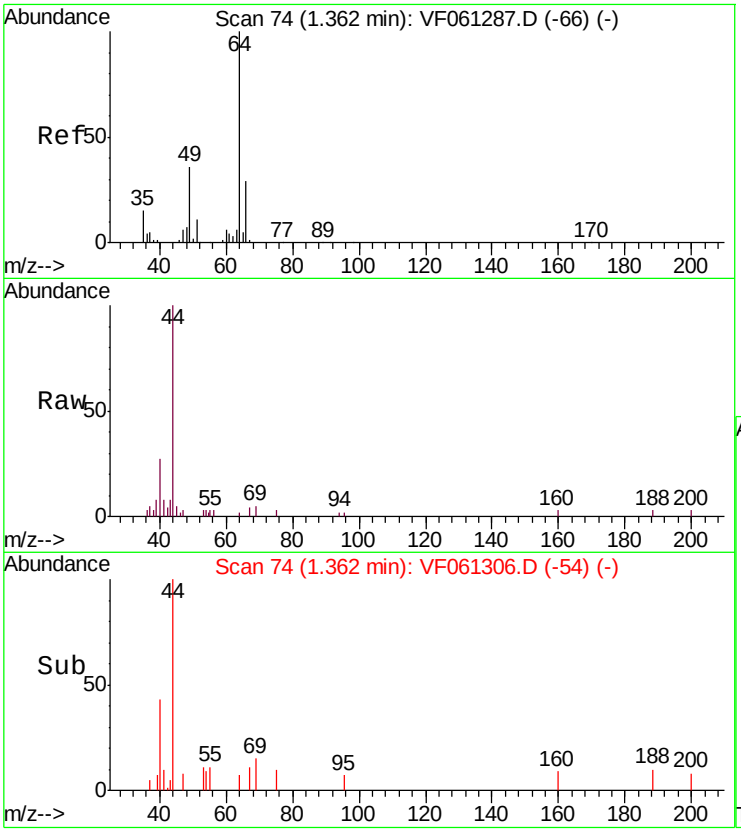


#5
Bromomethane
Concen: Below Cal
RT: 1.29 min Scan# 67
Delta R.T. 0.01 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 94 Resp: 586

Ion	Ratio	Lower	Upper
94	100		
96	0.0	70.2	105.4#



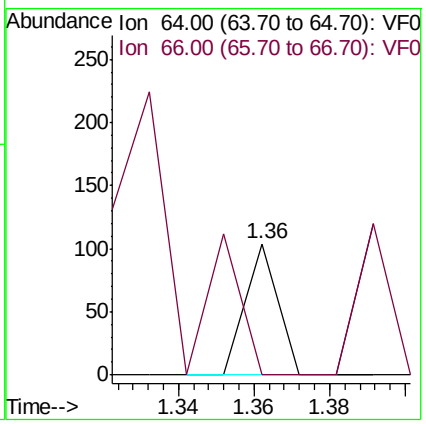


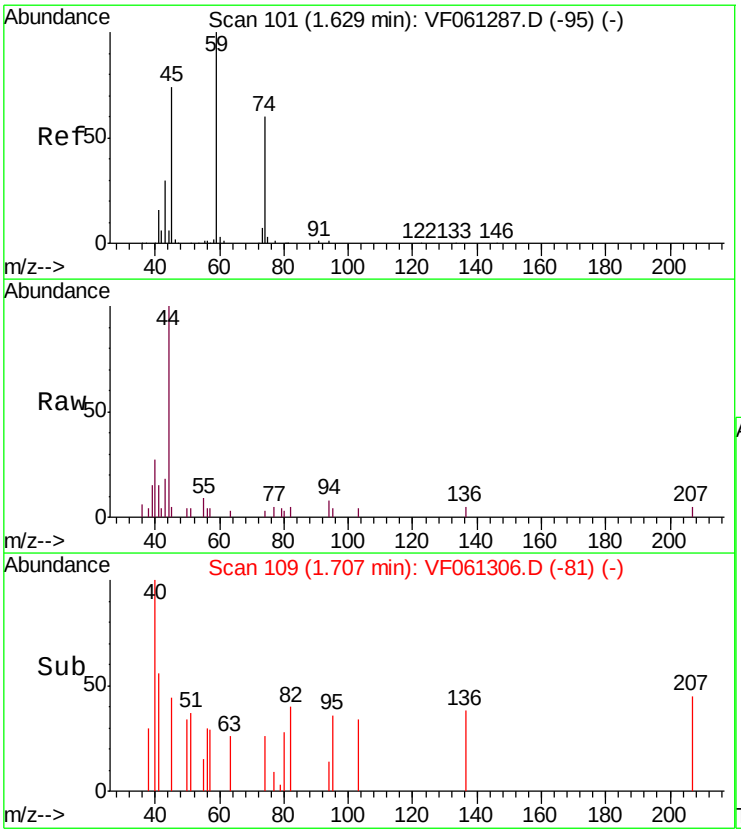
#6
Chloroethane
Concen: 129.078 ug/l
RT: 1.36 min Scan# 74
Delta R.T. -0.00 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 64 Resp: 62

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.4	35.0#

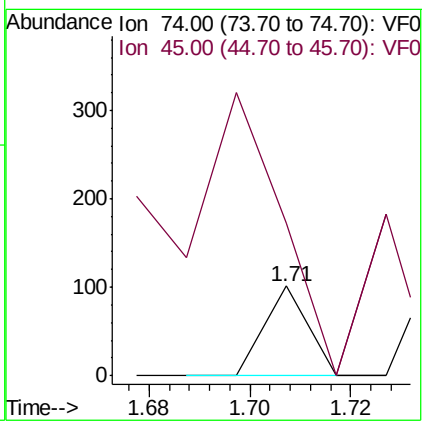


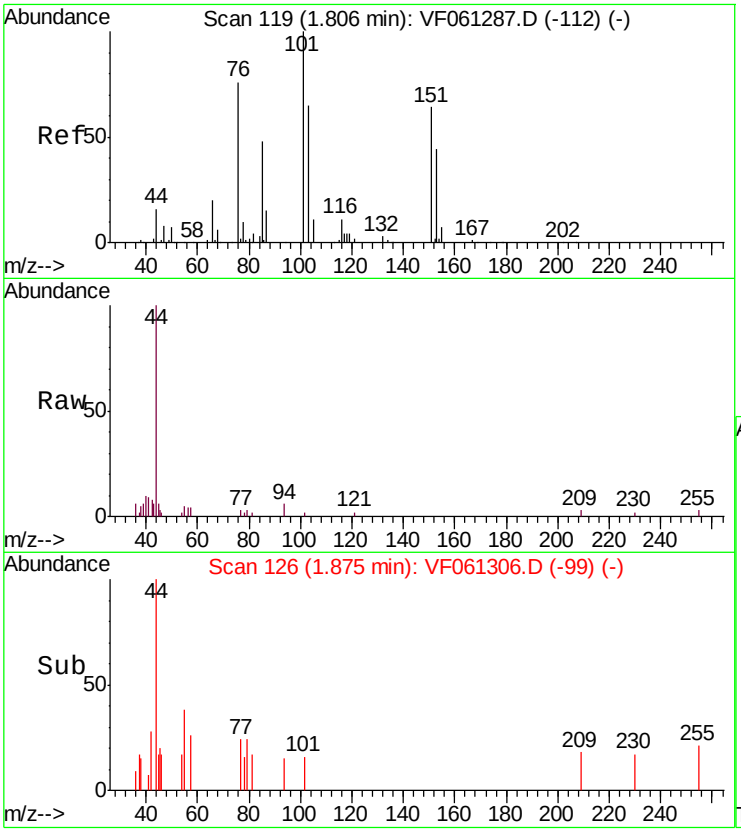


#8
Diethyl Ether
Concen: 245.039 ug/l
RT: 1.71 min Scan# 109
Delta R.T. 0.08 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 74 Resp: 60

Ion	Ratio	Lower	Upper
74	100		
45	170.3	62.1	186.3



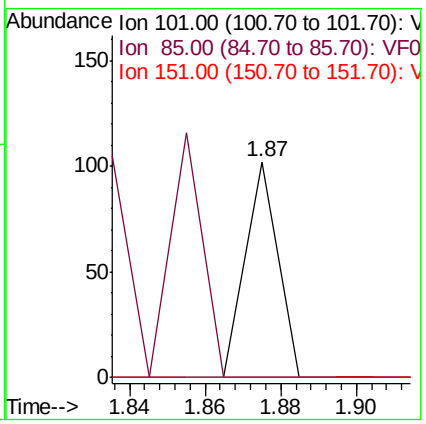


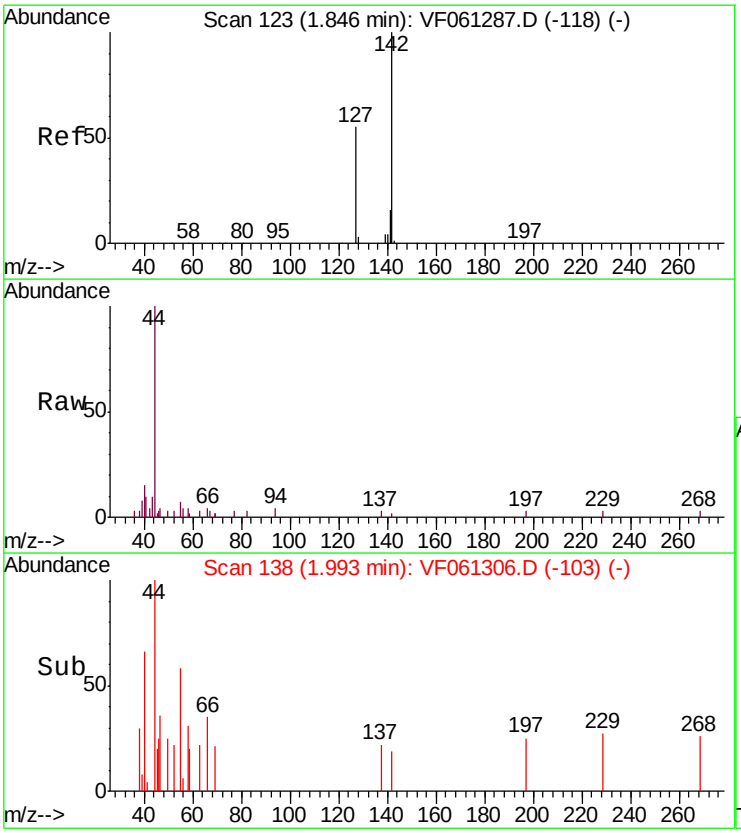
#9
1,1,2-Trichlorotrifluoroethane
Concen: 68.145 ug/l
RT: 1.87 min Scan# 126
Delta R.T. 0.07 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion:101 Resp: 60

Ion	Ratio	Lower	Upper
101	100		
85	0.0	38.4	57.6#
151	0.0	51.4	77.2#

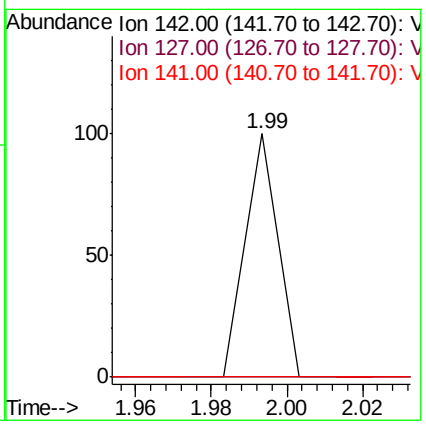


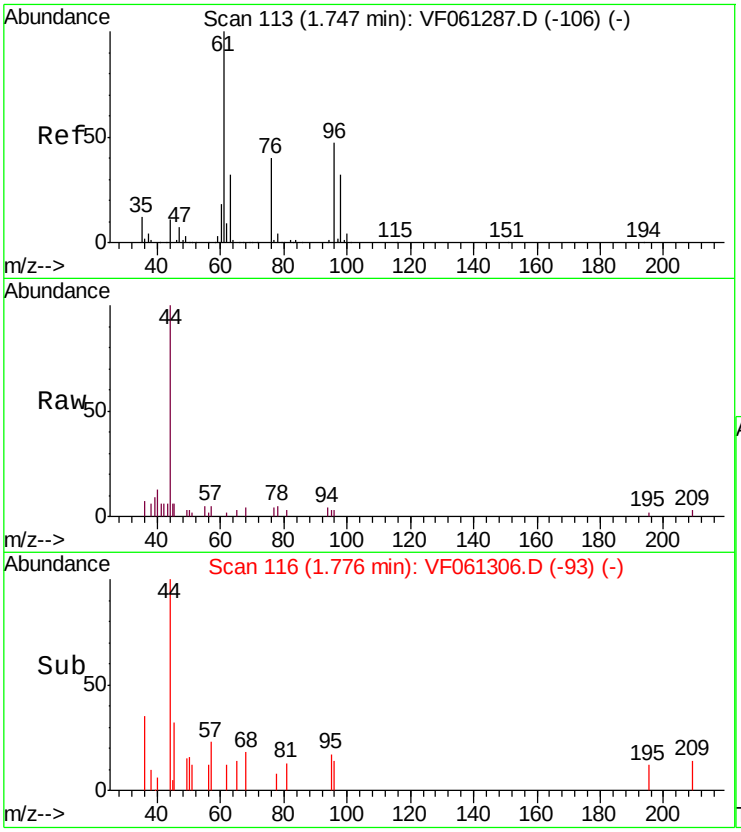


#10
Methyl Iodide
Concen: 42.772 ug/l
RT: 1.99 min Scan# 138
Delta R.T. 0.15 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion:142 Resp: 59

Ion	Ratio	Lower	Upper
142	100		
127	0.0	44.3	66.5#
141	0.0	13.2	19.8#



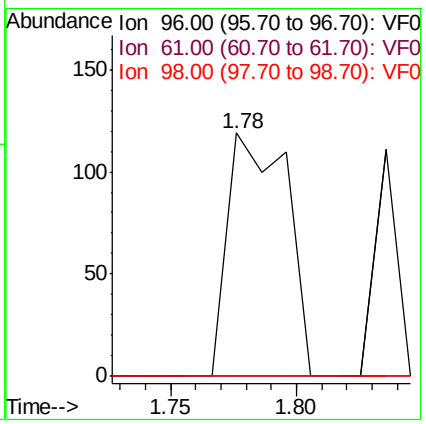


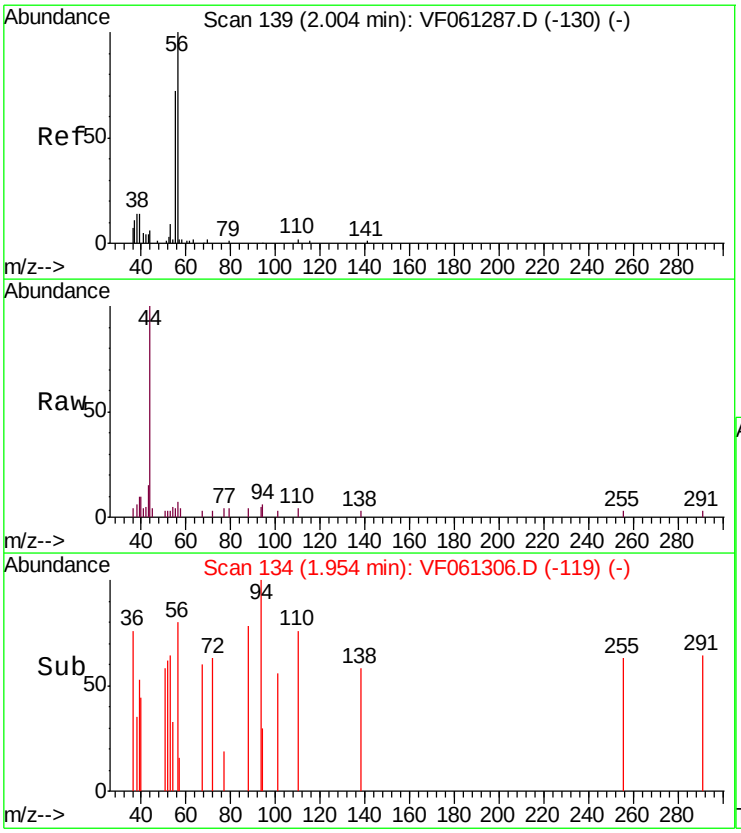
#12
1,1-Dichloroethene
Concen: 276.962 ug/l
RT: 1.78 min Scan# 116
Delta R.T. 0.03 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument : MSVOA_F
ClientSampleId : SP-1-3

Tgt Ion: 96 Resp: 195

Ion	Ratio	Lower	Upper
96	100		
61	0.0	171.8	257.8#
98	0.0	54.2	81.4#

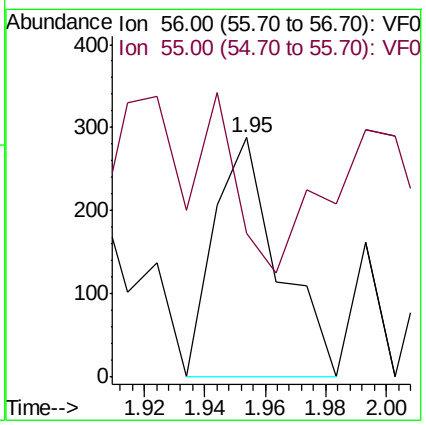


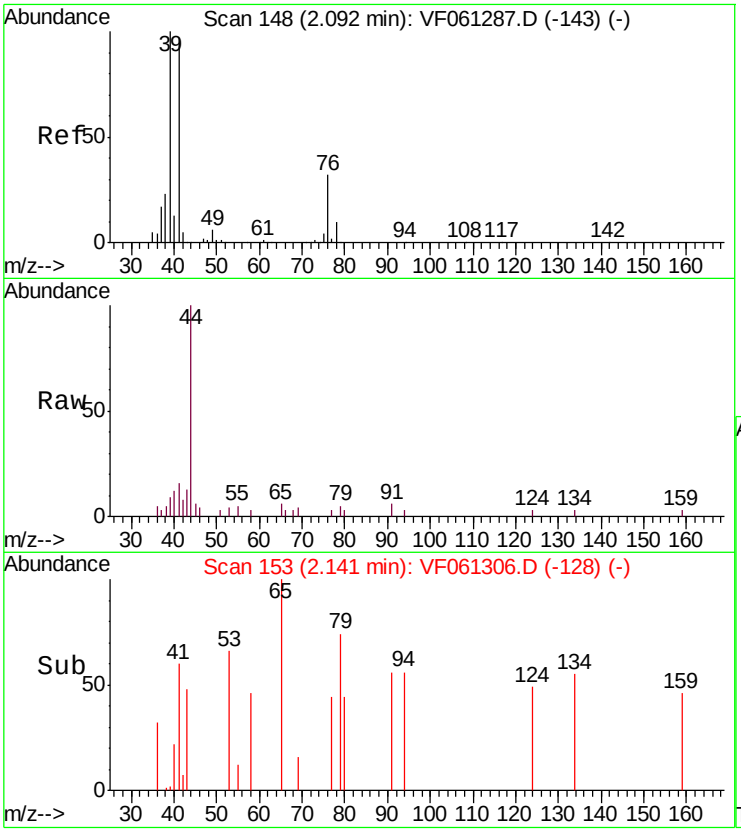


#13
Acrolein
Concen: 14244.896 ug/l
RT: 1.95 min Scan# 134
Delta R.T. -0.05 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 56 Resp: 424

Ion	Ratio	Lower	Upper
56	100		
55	60.1	59.4	89.0



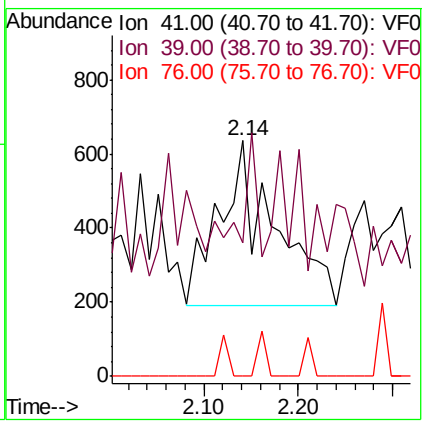


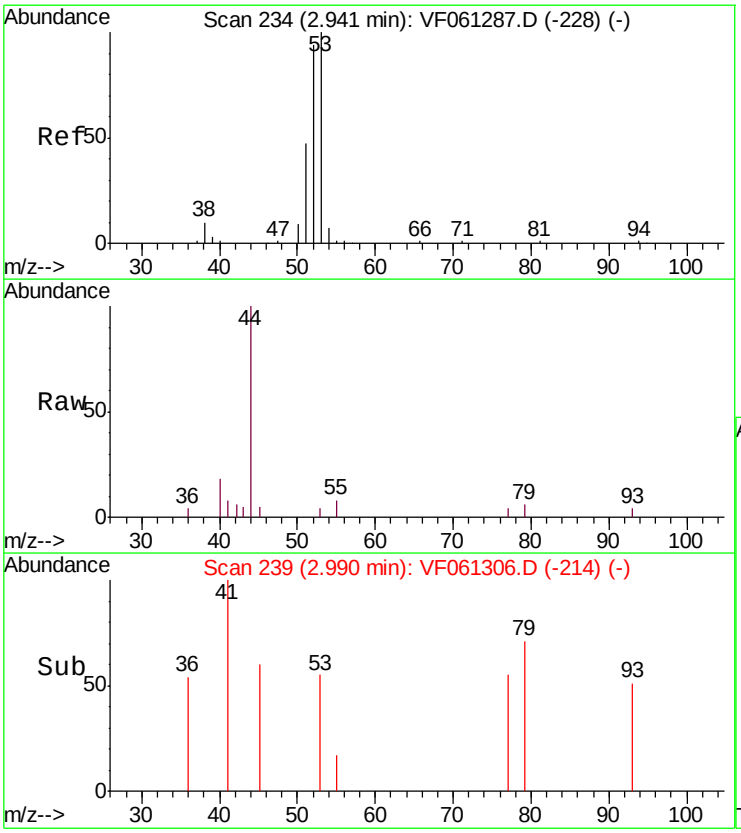
#14
Allyl chloride
Concen: 1421.223 ug/l
RT: 2.14 min Scan# 153
Delta R.T. 0.05 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 41 Resp: 1829

Ion	Ratio	Lower	Upper
41	100		
39	56.7	82.6	123.8#
76	0.0	26.9	40.3#

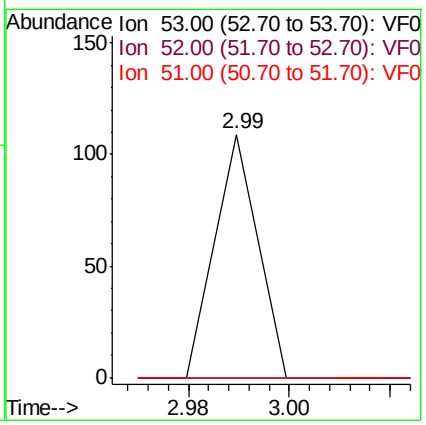


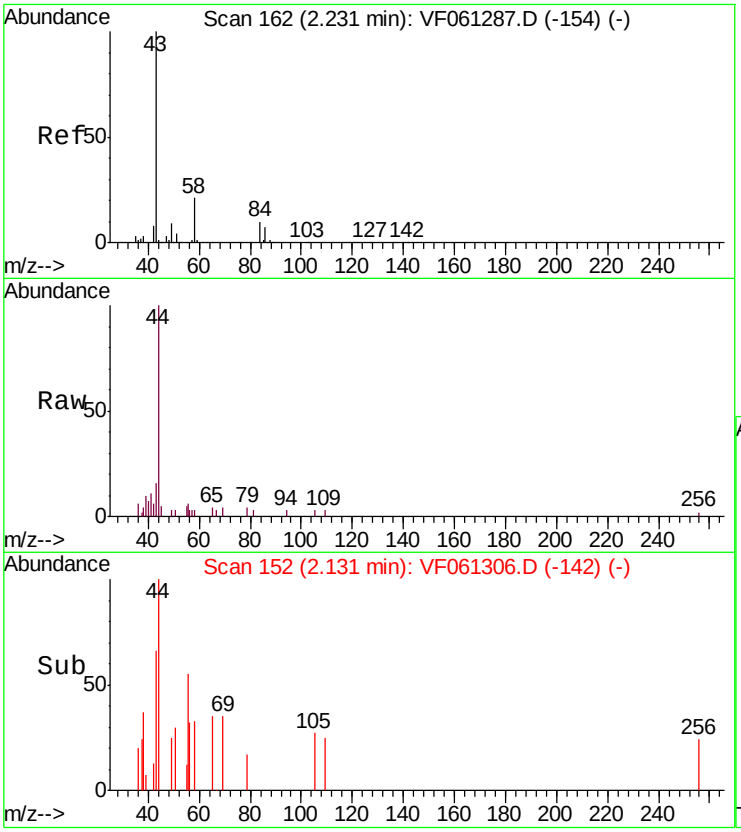


#15
Acrylonitrile
Concen: 614.090 ug/l
RT: 2.99 min Scan# 239
Delta R.T. 0.05 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 53 Resp: 65

Ion	Ratio	Lower	Upper
53	100		
52	0.0	74.6	111.8#
51	0.0	37.8	56.6#



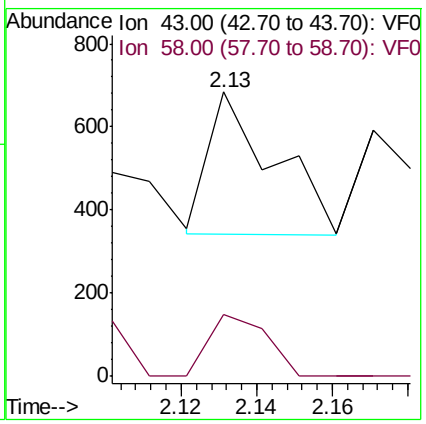


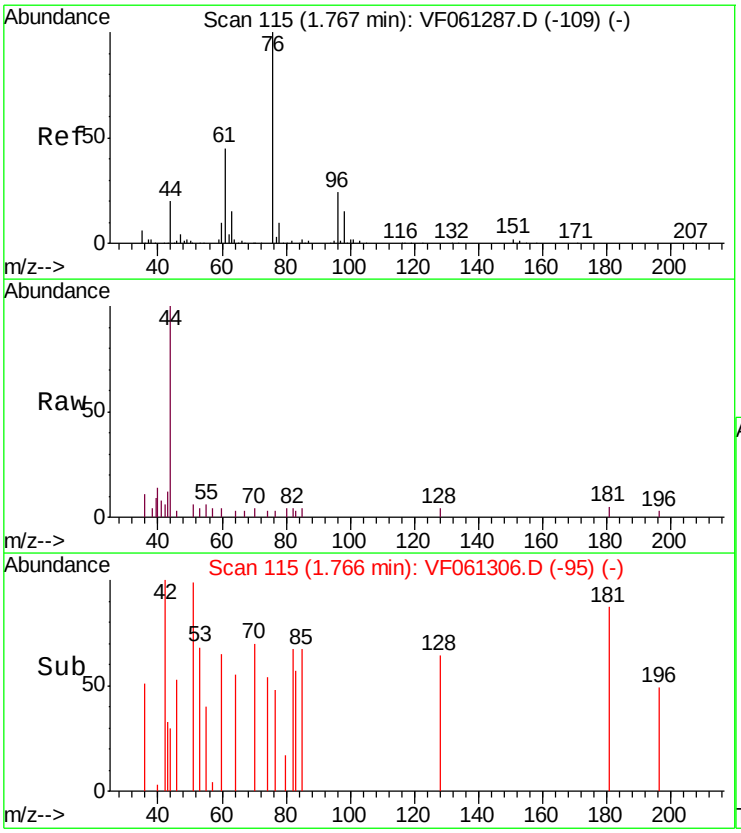
#16
Acetone
Concen: 2357.624 ug/l
RT: 2.13 min Scan# 152
Delta R.T. -0.10 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 43 Resp: 409

Ion	Ratio	Lower	Upper
43	100		
58	21.4	16.6	25.0

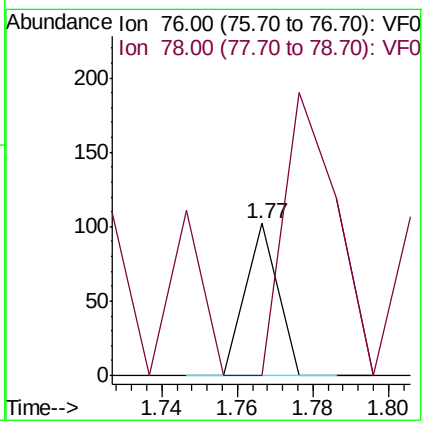


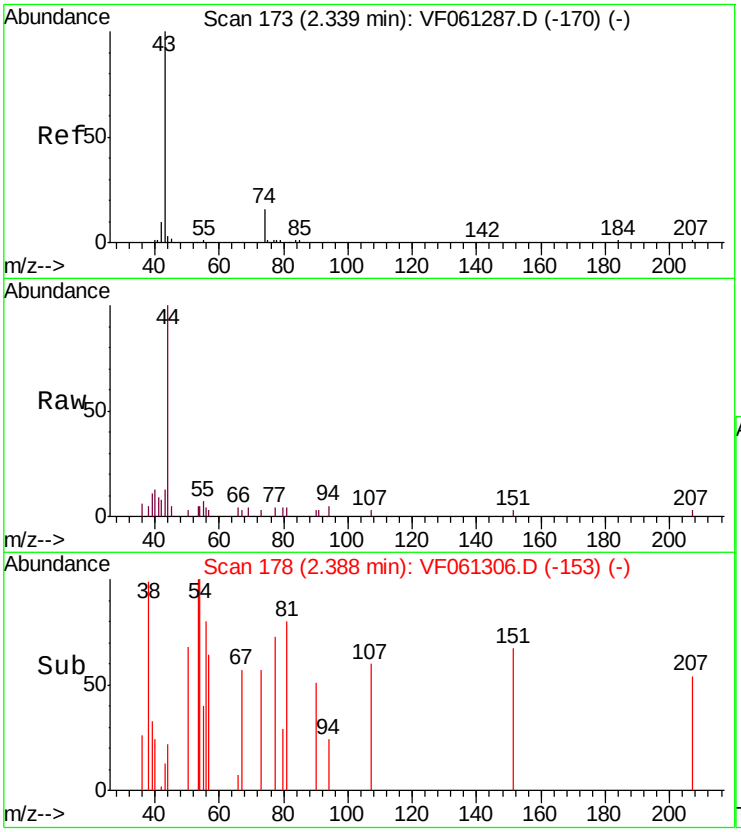


#17
Carbon Disulfide
Concen: 25.801 ug/l
RT: 1.77 min Scan# 115
Delta R.T. -0.00 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 76 Resp: 60

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.8	11.6#



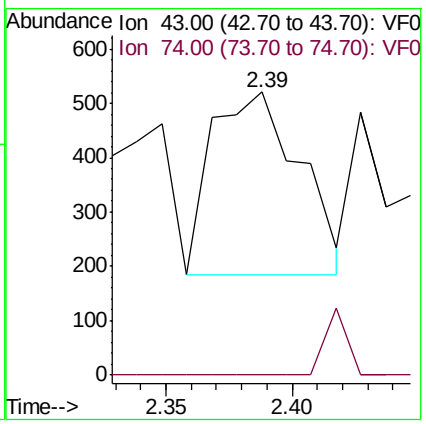


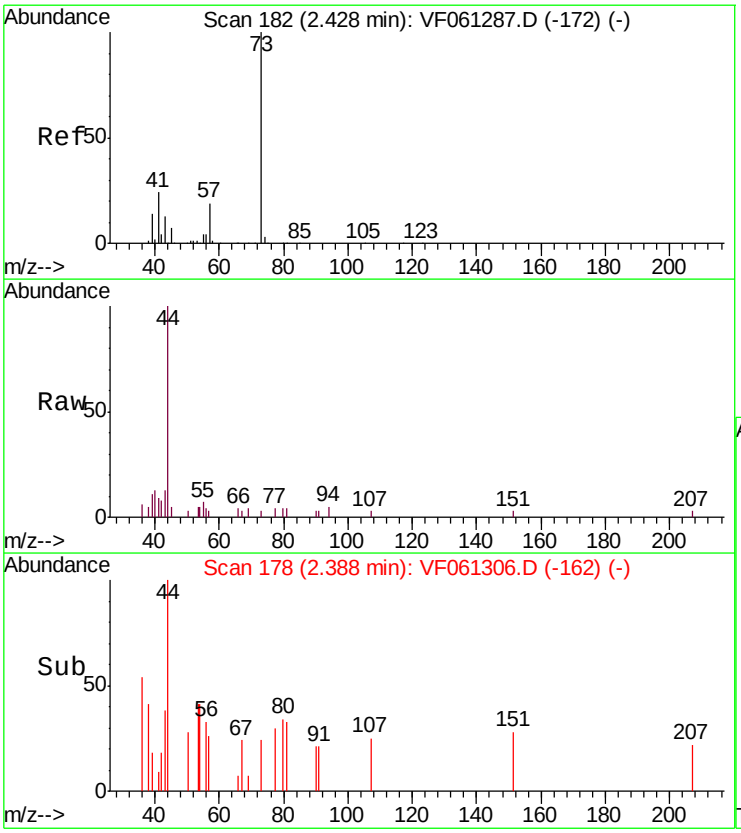
#18
Methyl Acetate
Concen: 2405.408 ug/l
RT: 2.39 min Scan# 178
Delta R.T. 0.05 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument : MSVOA_F
ClientSampleId : SP-1-3

Tgt Ion: 43 Resp: 821

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.6	17.4#

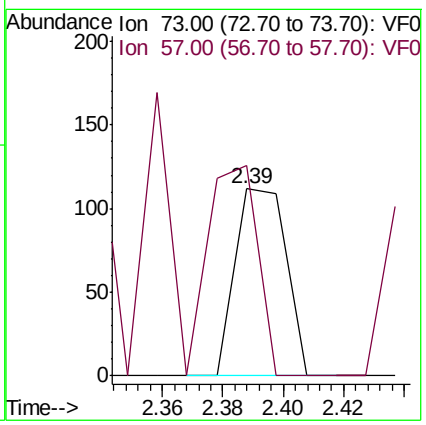


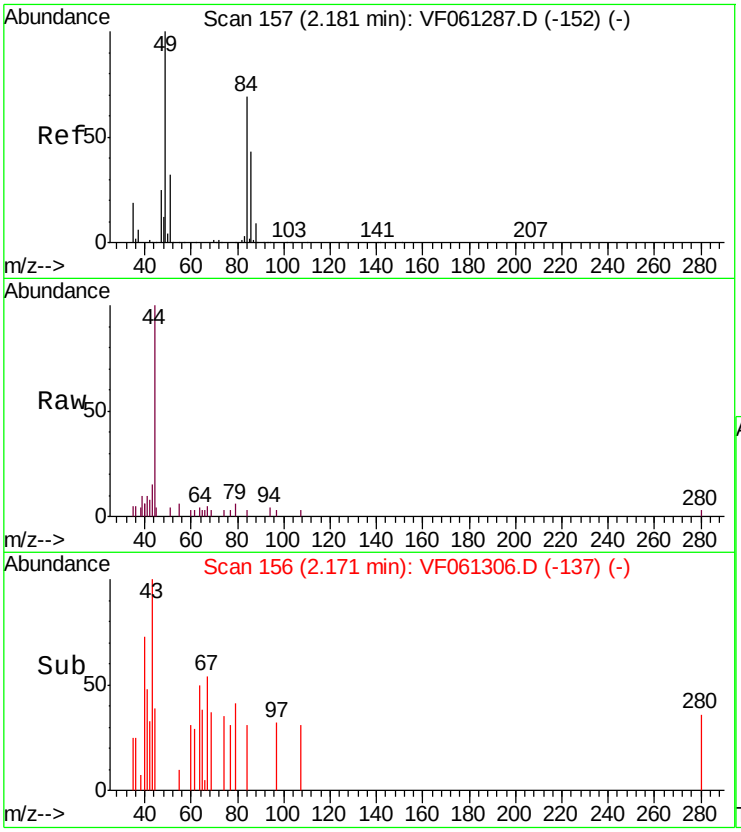


#19
Methyl tert-butyl Ether
Concen: 97.639 ug/l
RT: 2.39 min Scan# 178
Delta R.T. -0.04 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 73 Resp: 131

Ion	Ratio	Lower	Upper
73	100		
57	112.5	15.5	23.3#



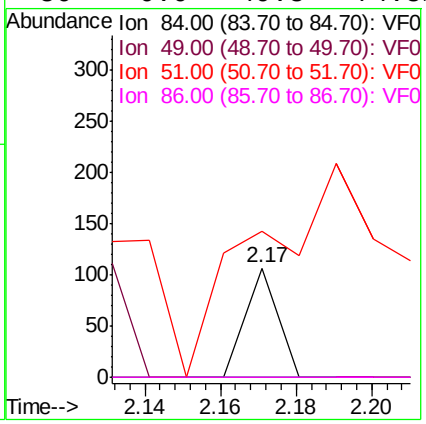


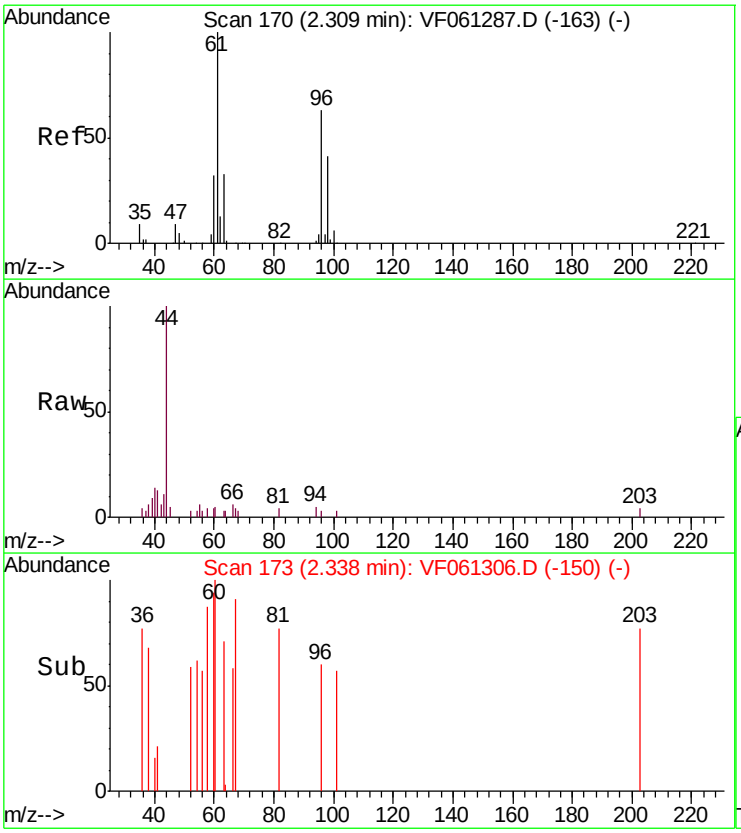
#20
Methylene Chloride
Concen: 85.841 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument : MSVOA_F
ClientSampleId : SP-1-3

Tgt Ion: 84 Resp: 63

Ion	Ratio	Lower	Upper
84	100		
49	0.0	116.6	175.0#
51	133.6	37.7	56.5#
86	0.0	49.8	74.8#

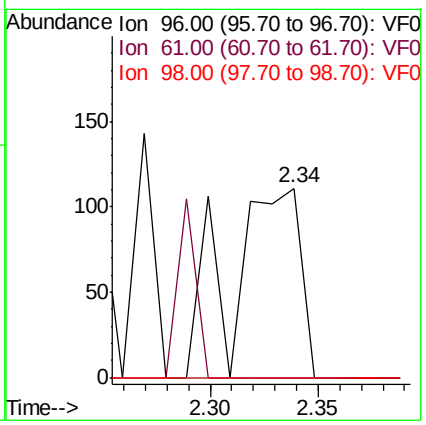


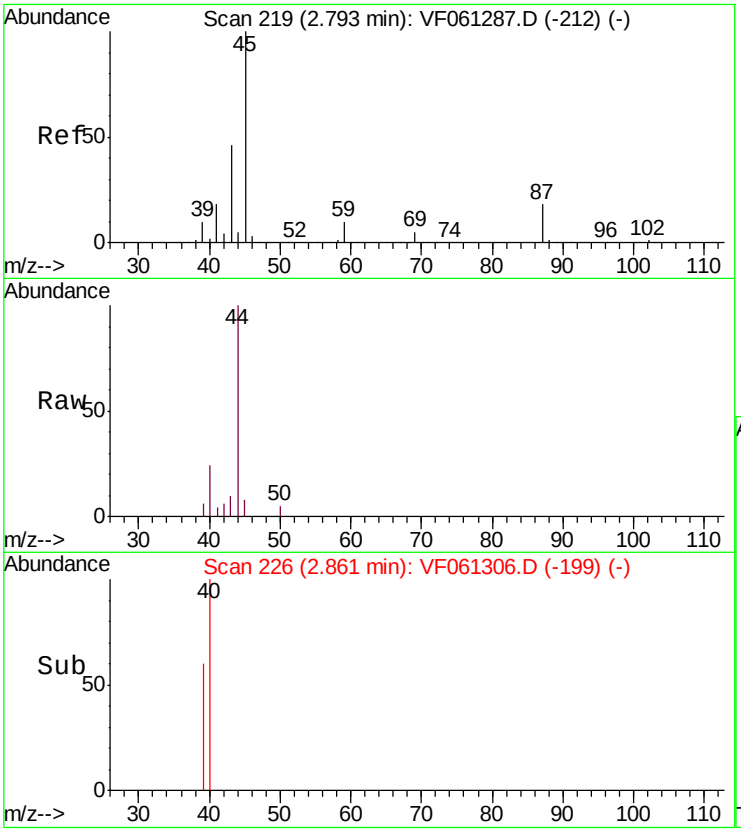


#21
trans-1,2-Dichloroethene
Concen: 335.089 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.03 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 96 Resp: 250

Ion	Ratio	Lower	Upper
96	100		
61	0.0	127.0	190.4#
98	0.0	51.7	77.5#



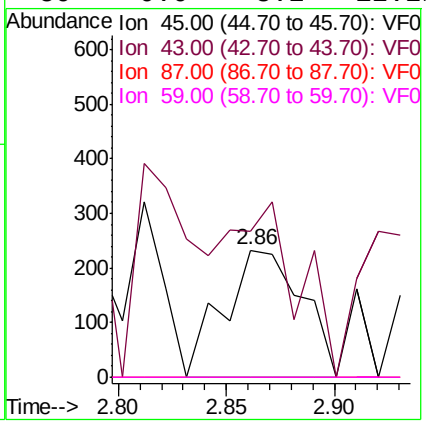


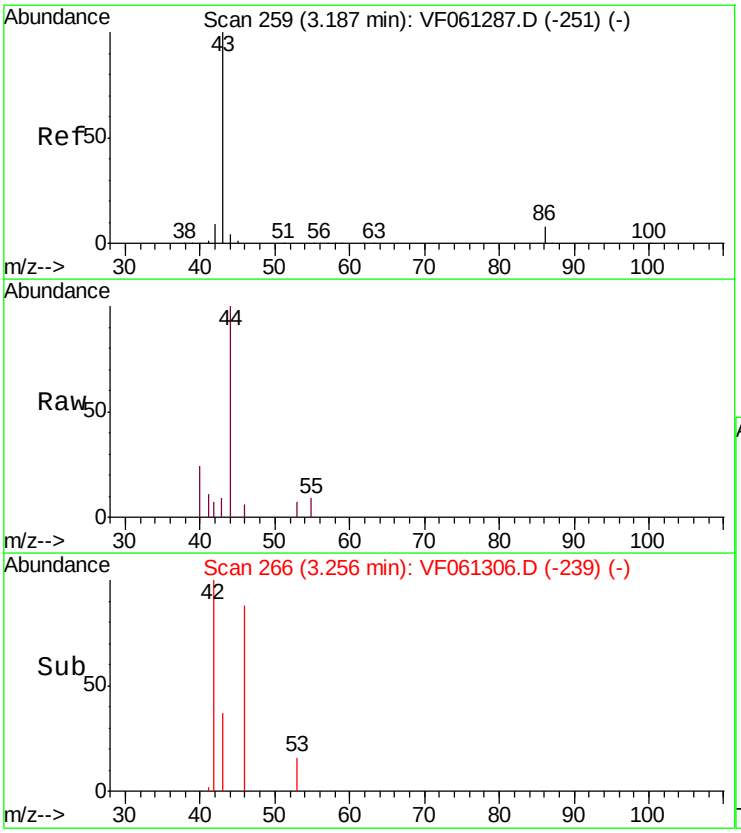
#22
Diisopropyl ether
Concen: 234.964 ug/l
RT: 2.86 min Scan# 226
Delta R.T. 0.07 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument : MSVOA_F
ClientSampleId : SP-1-3

Tgt Ion: 45 Resp: 585

Ion	Ratio	Lower	Upper
45	100		
43	115.0	37.4	56.2#
87	0.0	14.2	21.2#
59	0.0	8.2	12.2#

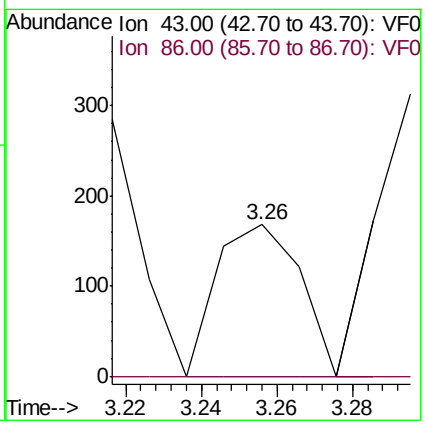


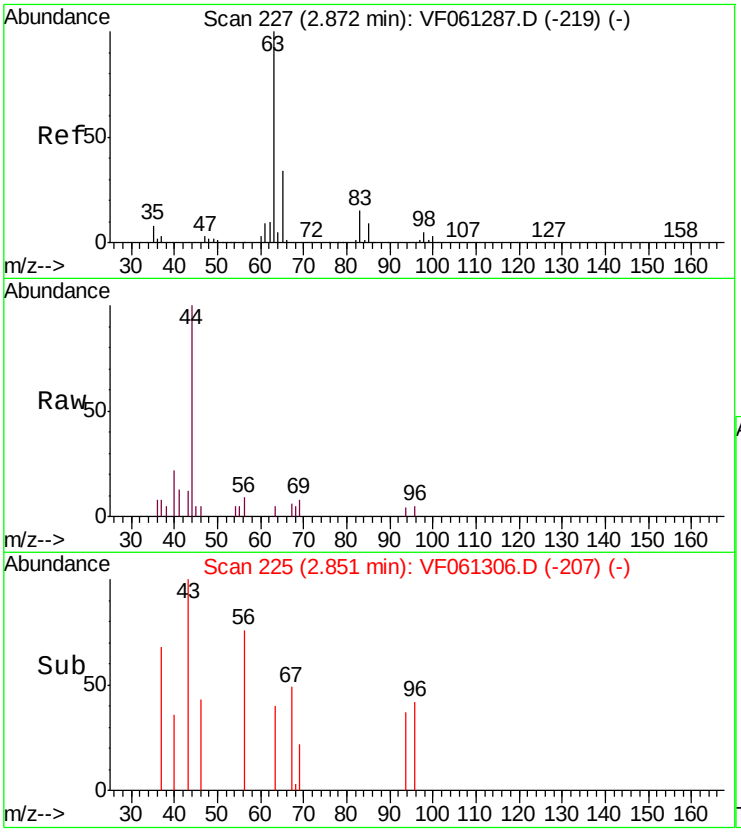


#23
Vinyl Acetate
Concen: 352.965 ug/l
RT: 3.26 min Scan# 266
Delta R.T. 0.07 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 43 Resp: 257

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#



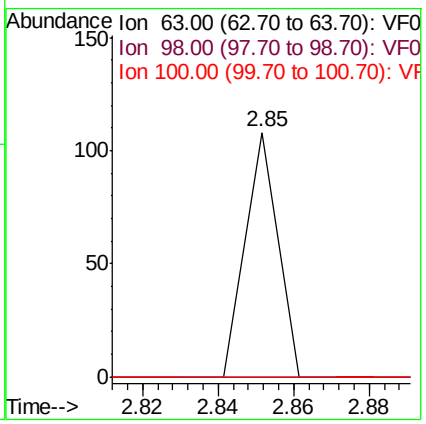


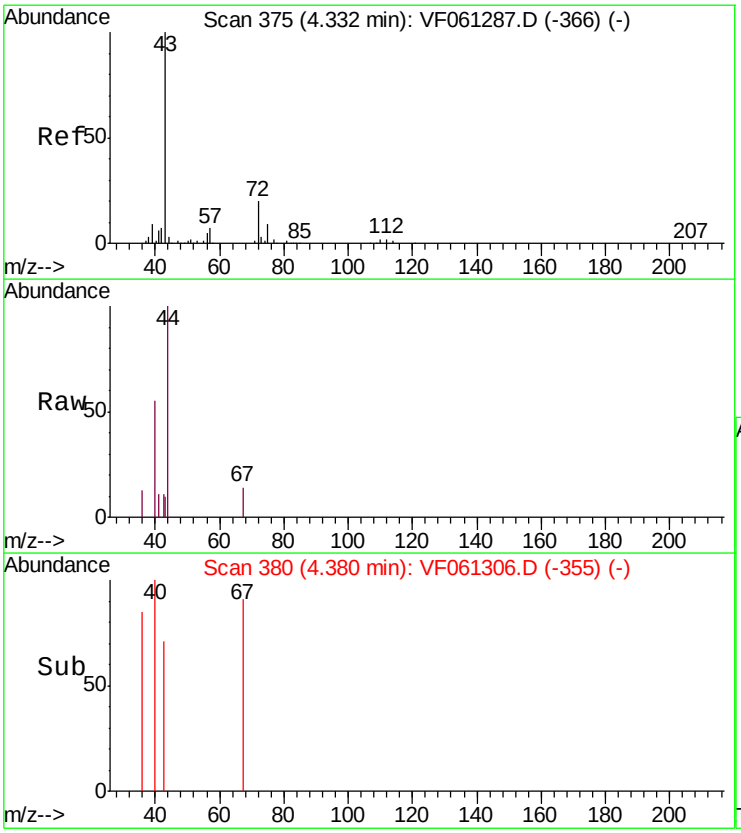
#24
1,1-Dichloroethane
Concen: 44.438 ug/l
RT: 2.85 min Scan# 225
Delta R.T. -0.02 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 63 Resp: 64

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.6#
100	0.0	1.7	5.0#

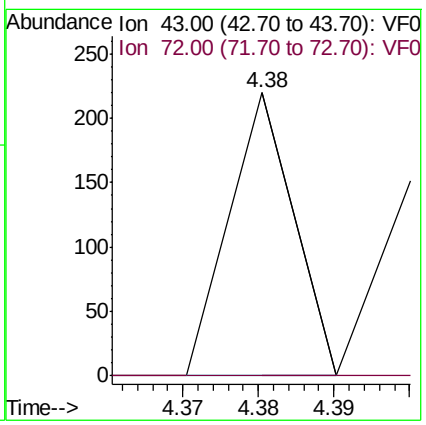


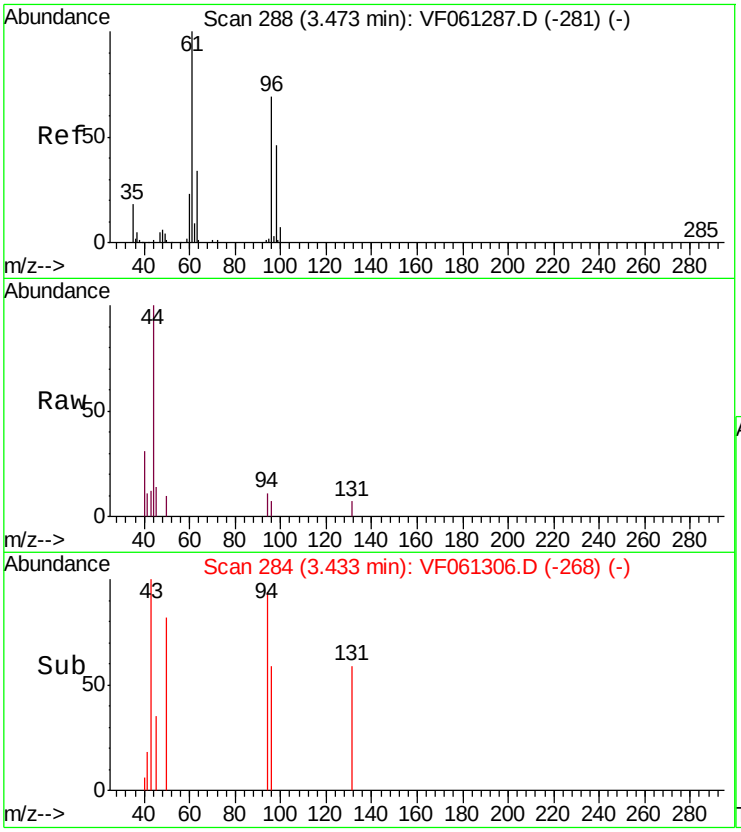


#25
2-Butanone
Concen: 465.593 ug/l
RT: 4.38 min Scan# 380
Delta R.T. 0.05 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 43 Resp: 130

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#



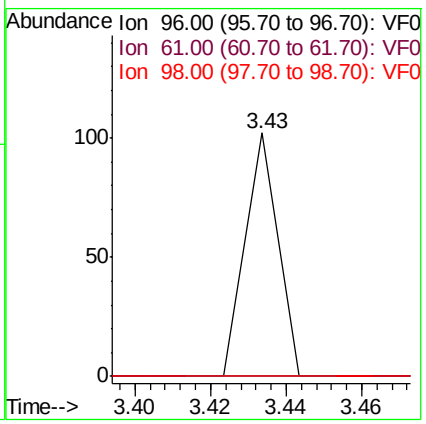


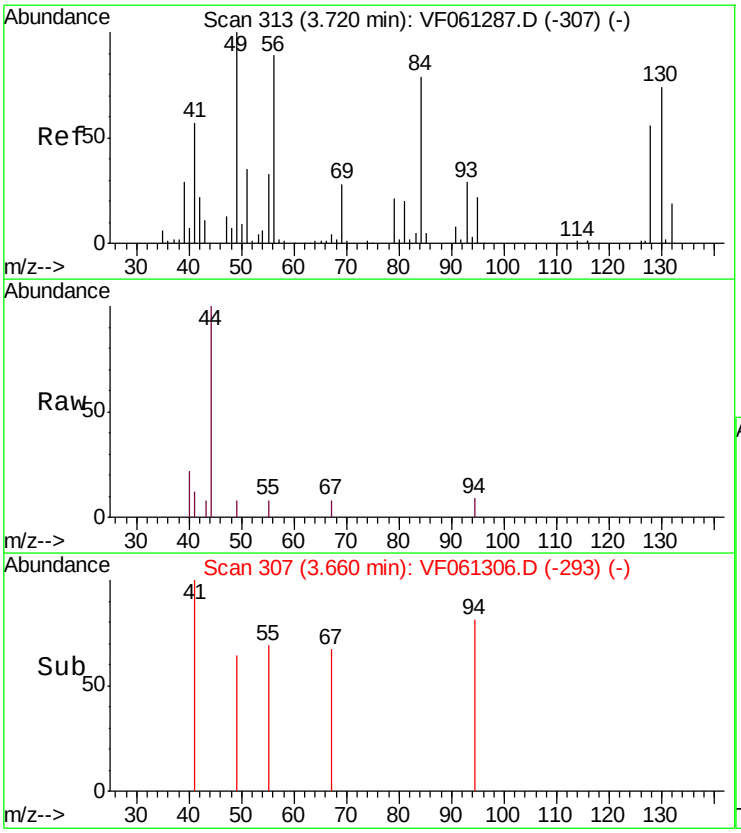
#27
cis-1,2-Dichloroethene
Concen: 57.601 ug/l
RT: 3.43 min Scan# 284
Delta R.T. -0.04 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 96 Resp: 60

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	288.2
98	0.0	0.0	132.2

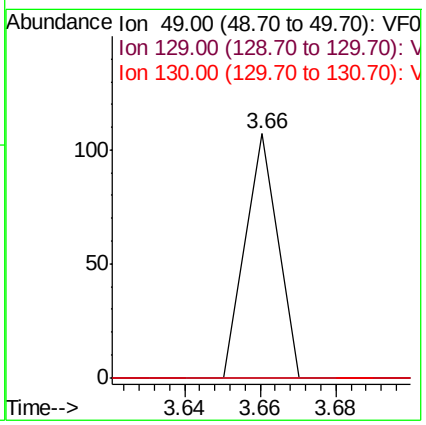


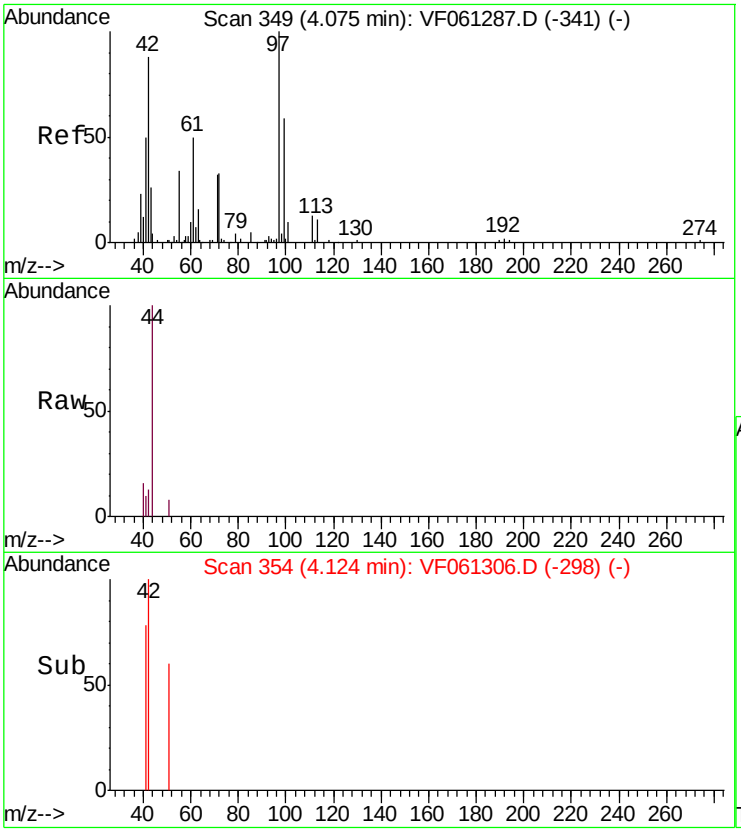


#28
Bromochloromethane
Concen: 99.213 ug/l
RT: 3.66 min Scan# 307
Delta R.T. -0.06 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 49 Resp: 63

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	0.0	58.6	88.0#



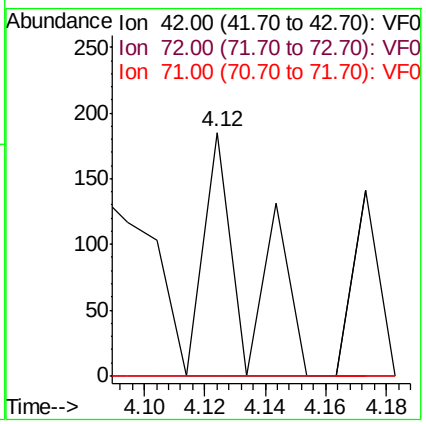


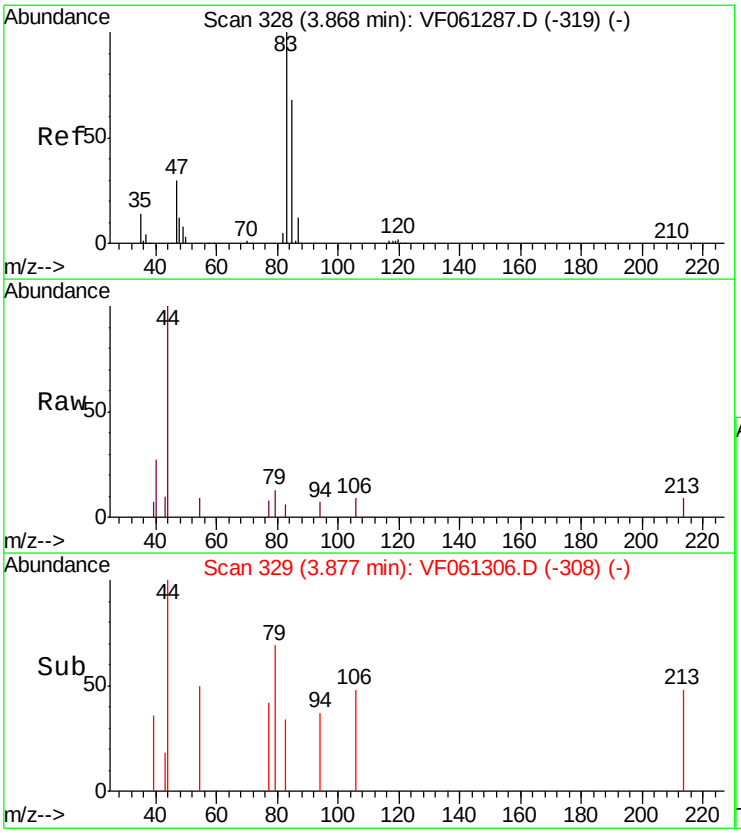
#29
Tetrahydrofuran
Concen: 1601.827 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.05 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 42 Resp: 187

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	29.5	44.3#

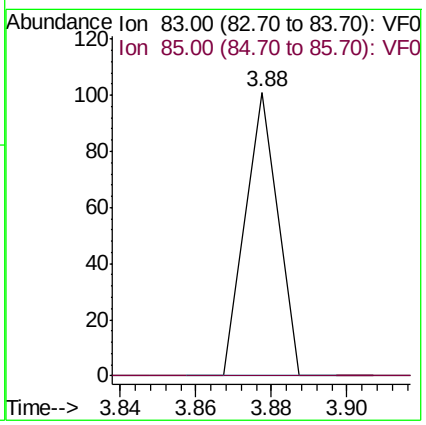


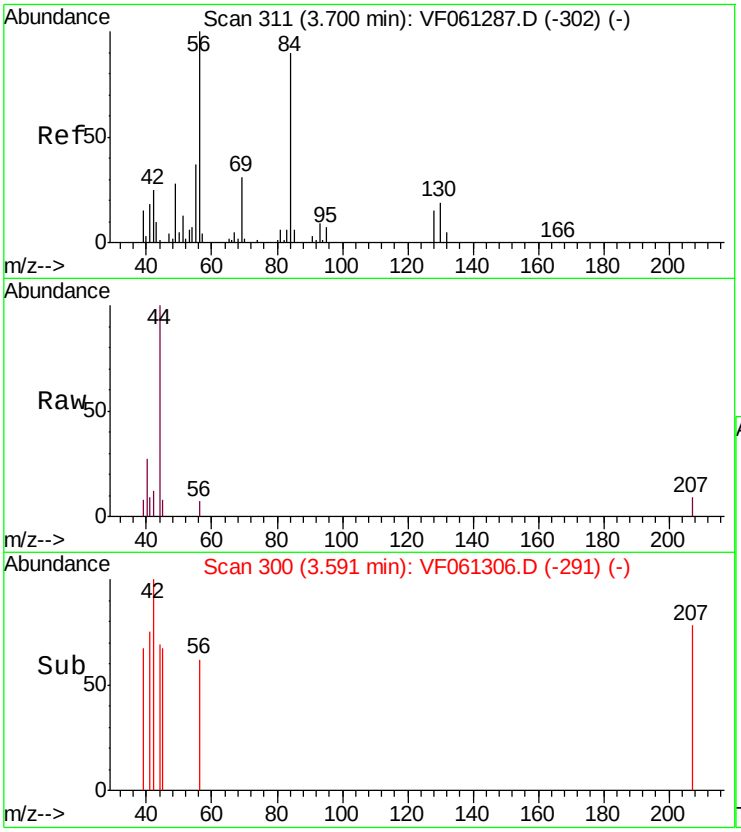


#30
Chloroform
Concen: 32.818 ug/l
RT: 3.88 min Scan# 329
Delta R.T. 0.01 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 83 Resp: 60

Ion	Ratio	Lower	Upper
83	100		
85	0.0	54.4	81.6#



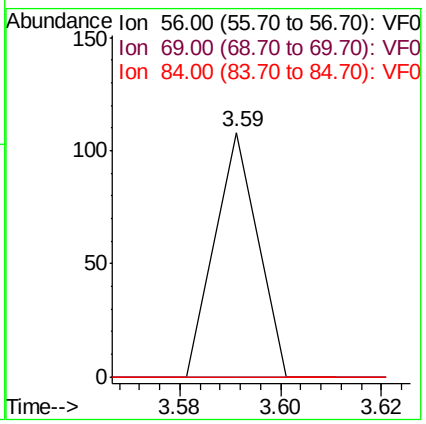


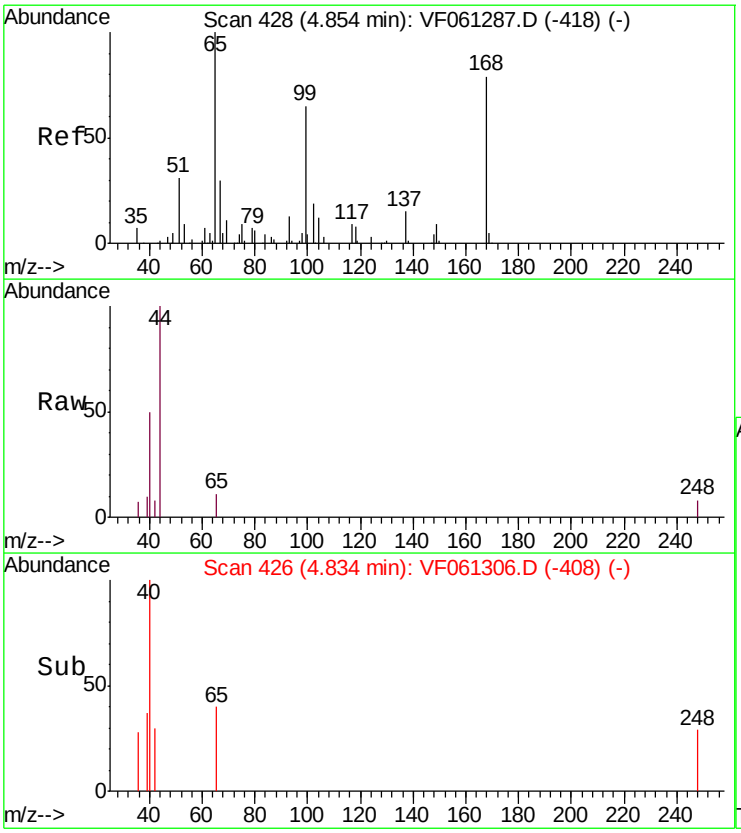
#31
Cyclohexane
Concen: 42.359 ug/l
RT: 3.59 min Scan# 300
Delta R.T. -0.11 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument : MSVOA_F
ClientSampleId : SP-1-3

Tgt Ion: 56 Resp: 64

Ion	Ratio	Lower	Upper
56	100		
69	0.0	24.7	37.1#
84	0.0	72.2	108.4#

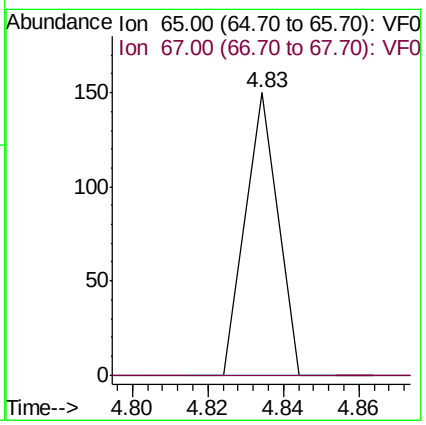


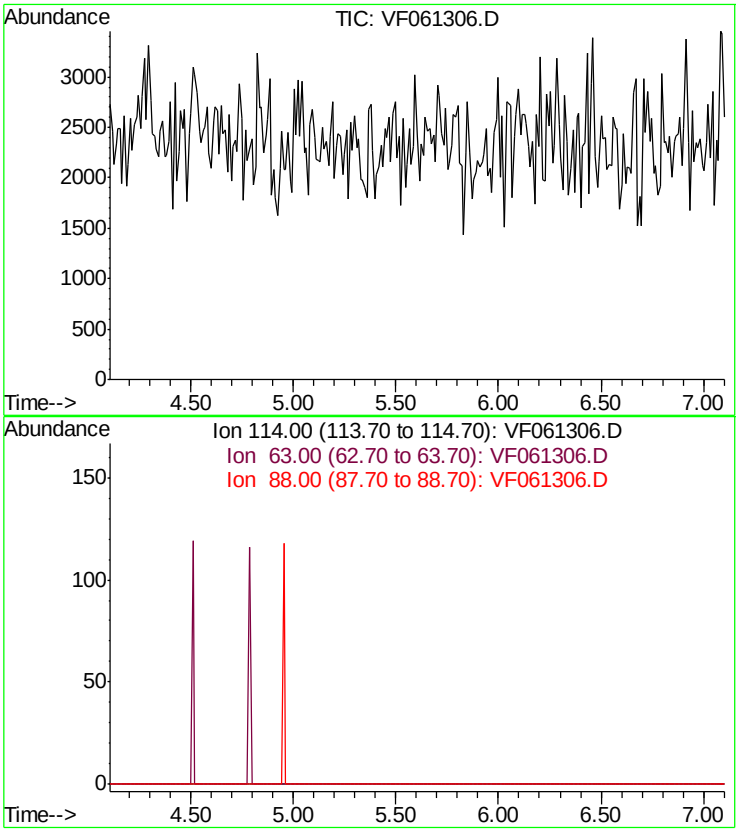


#33
1,2-Dichloroethane-d4
Concen: 119.343 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 65 Resp: 89

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	98.2





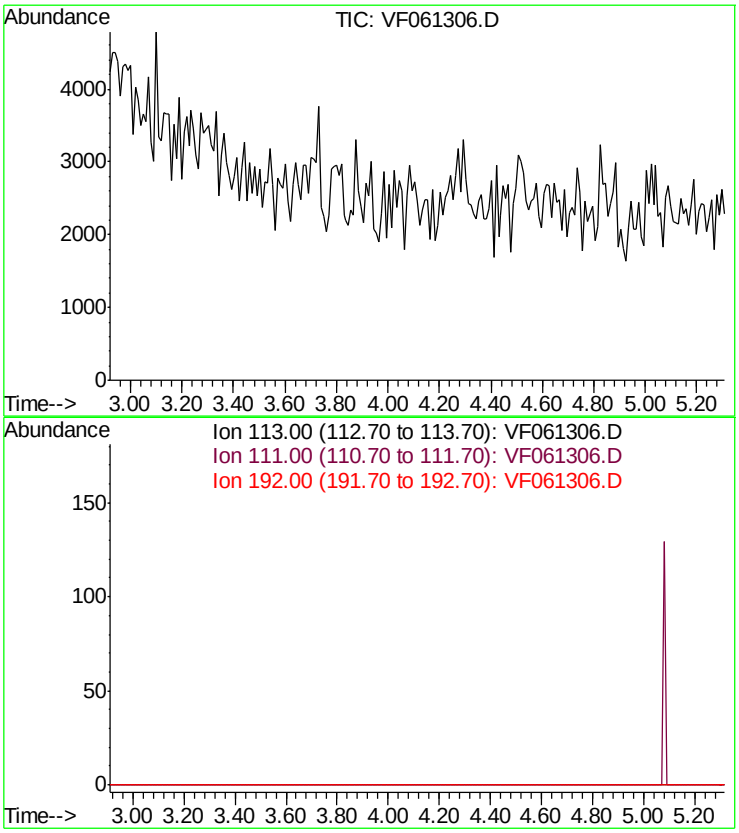
#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 5.60 min

Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 114

Sig	Exp Ratio
114	100
63	21.4
88	20.0

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

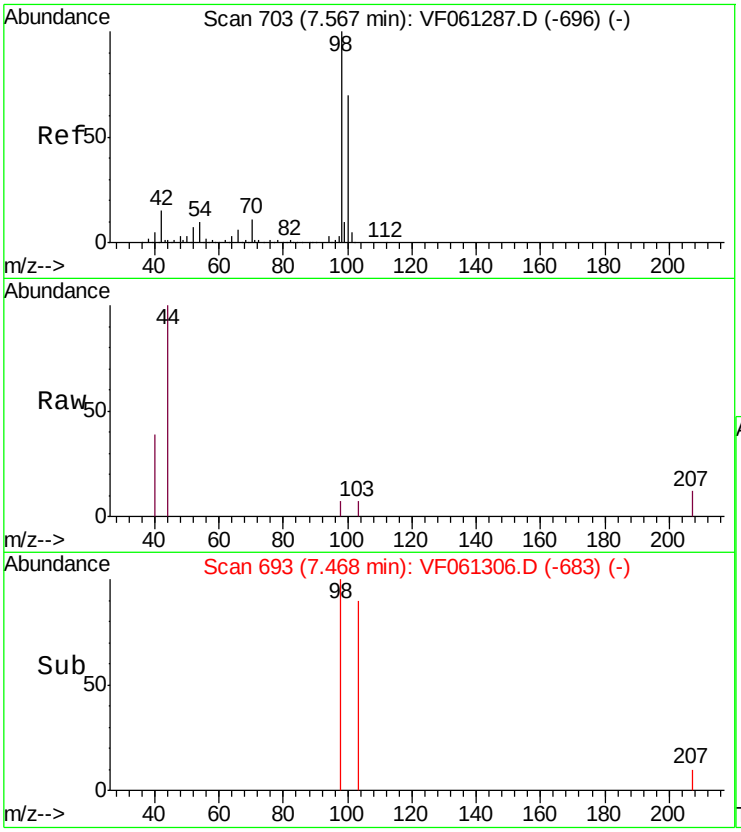


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 4.11 min

Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	97.5
192	13.3

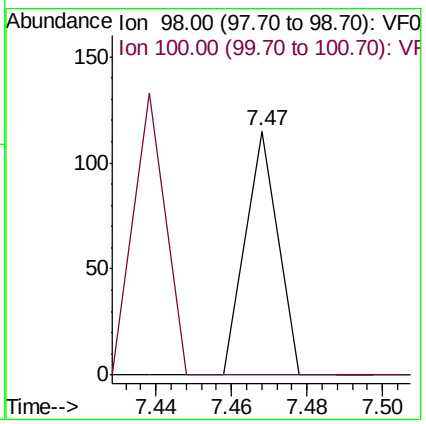


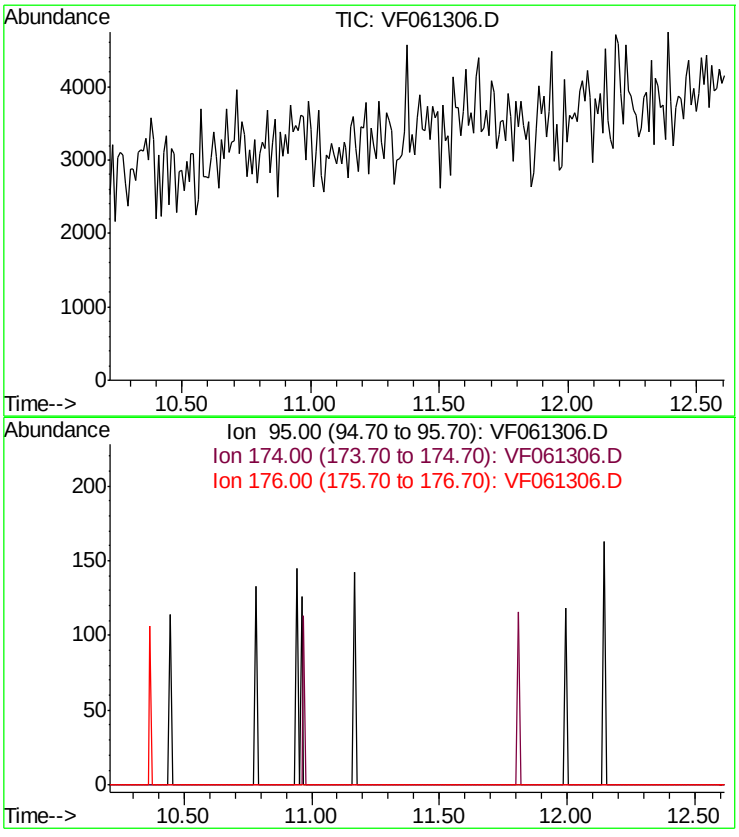
#50
Toluene-d8
Concen: 0.000 ug/l
RT: 7.47 min Scan# 693
Delta R.T. -0.10 min
Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 98 Resp: 68

Ion	Ratio	Lower	Upper
98	100		
100	0.0	55.6	83.4#



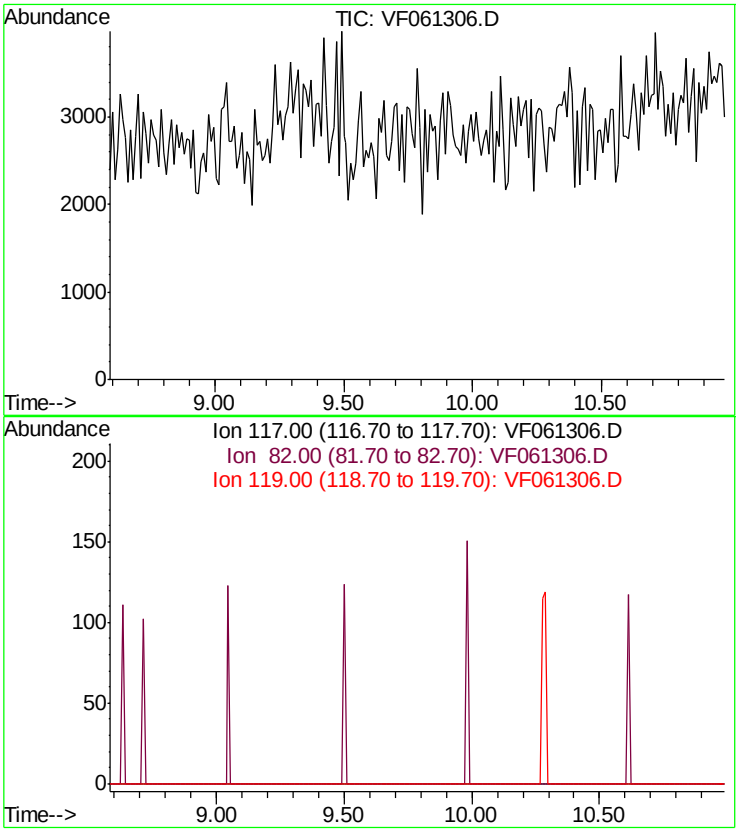


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.41 min

Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	57.1
176	58.9



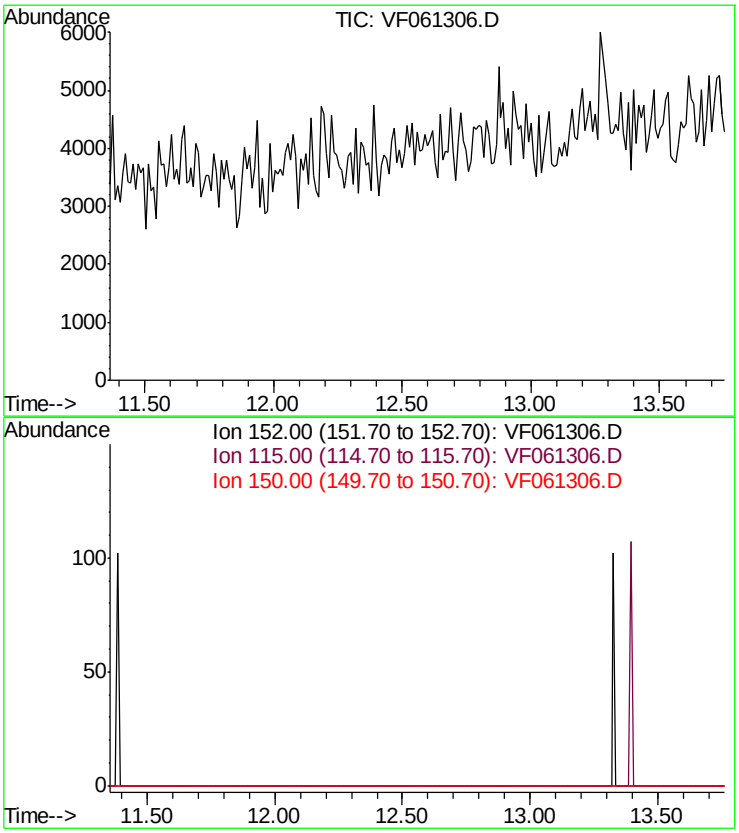
#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 9.79 min

Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	56.6
119	31.7

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.56 min

Lab File: VF061306.D
Acq: 9 Jan 2019 17:37

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	59.3
150	157.7