

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059603.D
 Acq On : 21 Jul 2018 1:33
 Operator : VA/AP
 Sample : J4057-09RE
 Misc : 5.44g/5mL/MSVOA F/SOIL
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 21 03:58:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

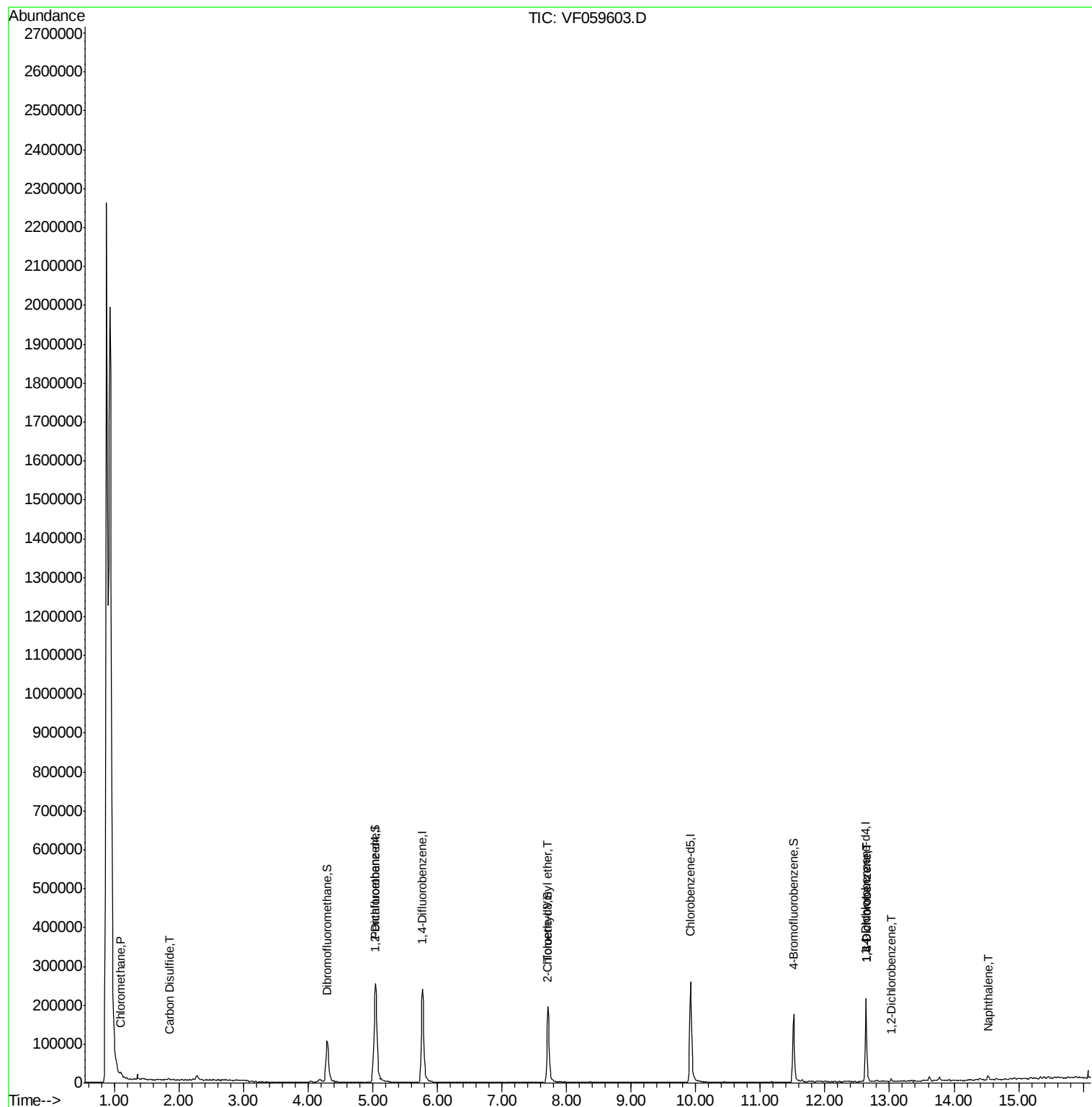
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	185125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	252202	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	186512	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	57406	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	99913	34.70	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	69.40%	
35) Dibromofluoromethane	4.30	113	99622	45.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.22%	
50) Toluene-d8	7.71	98	160634	29.20	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	58.40%	
62) 4-Bromofluorobenzene	11.52	95	63054	21.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	43.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.11	50	1250	1.002	ug/l #	44
11) Tert butyl alcohol	2.66	59	167	Below Cal	#	74
13) Acrolein	2.17	56	94	Below Cal		95
16) Acetone	2.31	43	769	Below Cal	#	64
17) Carbon Disulfide	1.84	76	4238	1.195	ug/l	96
18) Methyl Acetate	2.46	43	1372	Below Cal	#	70
20) Methylene Chloride	2.28	84	5365	Below Cal	#	64
29) Tetrahydrofuran	4.28	42	242	Below Cal	#	65
37) Ethyl Acetate	4.31	43	623	Below Cal	#	41
49) 1,4-Dioxane	6.97	88	64	Below Cal	#	15
58) 2-Chloroethyl Vinyl ether	7.69	63	222	1.473	ug/l	100
87) 1,3-Dichlorobenzene	12.65	146	2114	1.214	ug/l	90
88) 1,4-Dichlorobenzene	12.65	146	2114	1.232	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	1804	1.083	ug/l	73
95) Naphthalene	14.52	128	4585	2.180	ug/l #	93

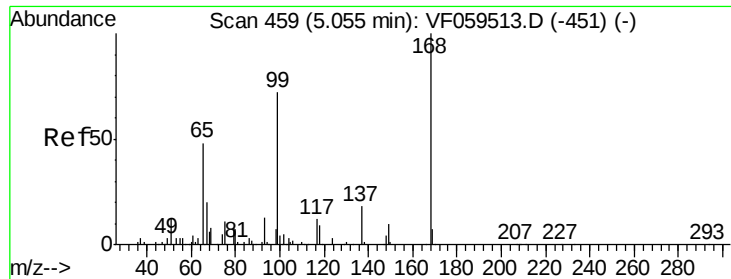
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

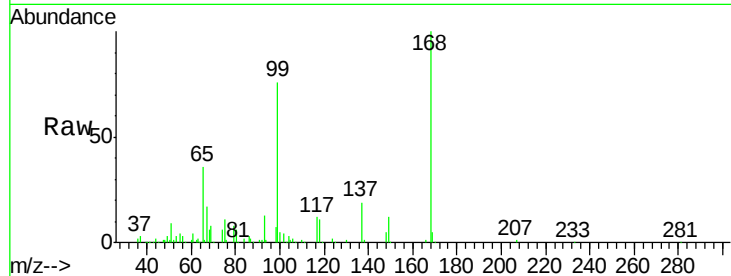
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 185125

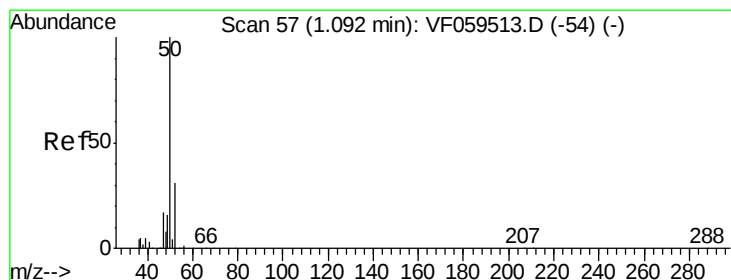
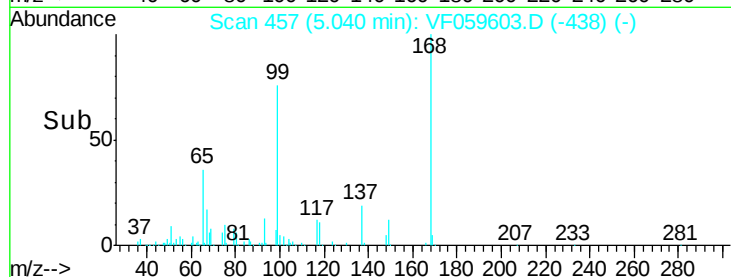
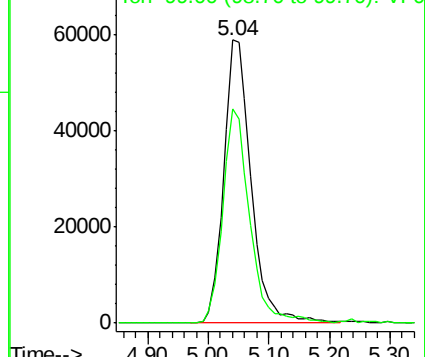
Ion Ratio Lower Upper

168 100

99 75.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 1.002 ug/l

RT: 1.11 min Scan# 58

Delta R.T. 0.01 min

Lab File: VF059603.D

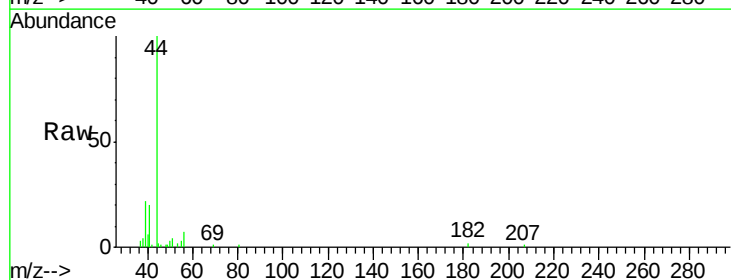
Acq: 21 Jul 2018 1:33

Tgt Ion: 50 Resp: 1250

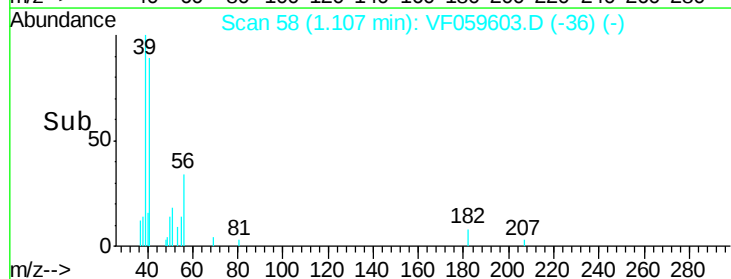
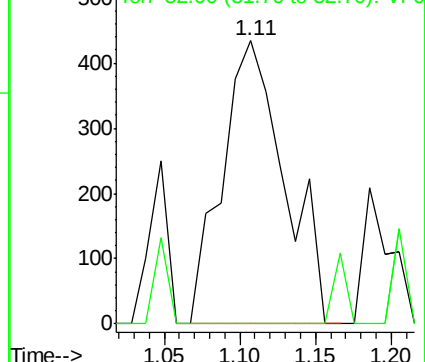
Ion Ratio Lower Upper

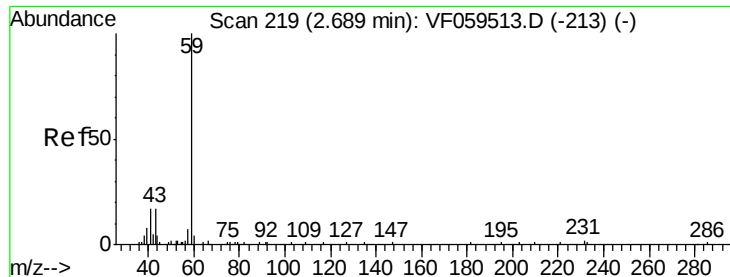
50 100

52 0.0 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0



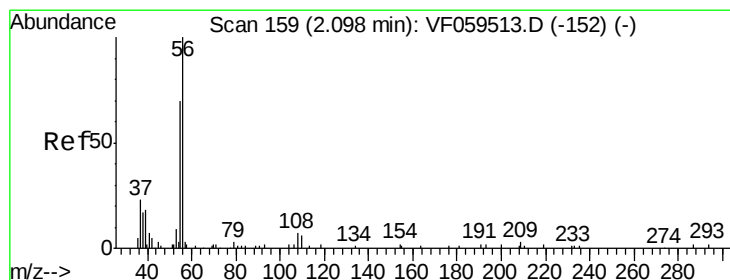
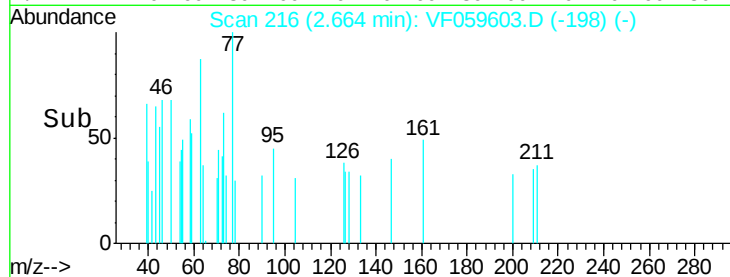
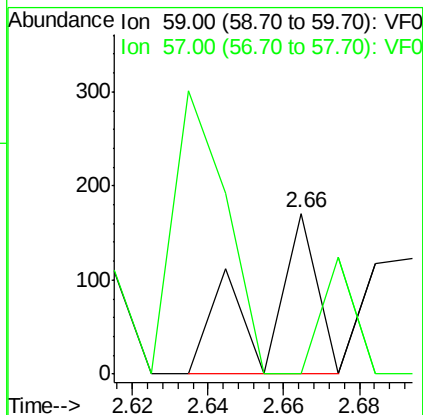
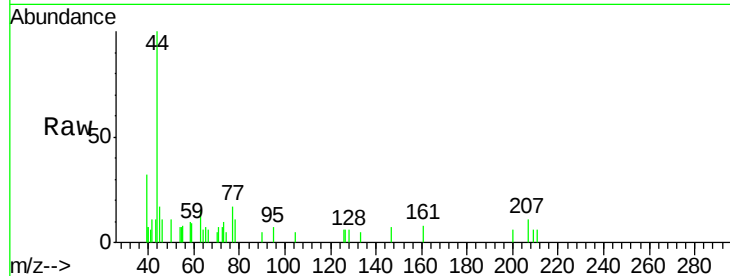


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.66 min Scan# 216
 Delta R.T. -0.02 min
 Lab File: VF059603.D
 Acq: 21 Jul 2018 1:33

Instrument :
 MSVOA_F
 ClientSampleId :

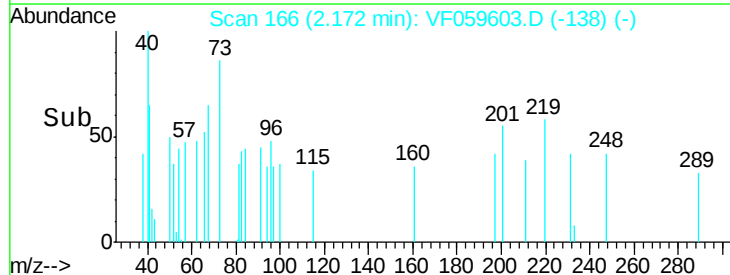
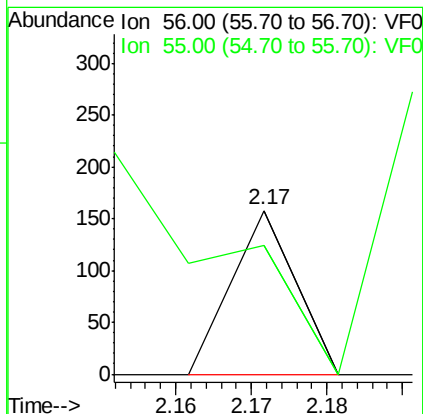
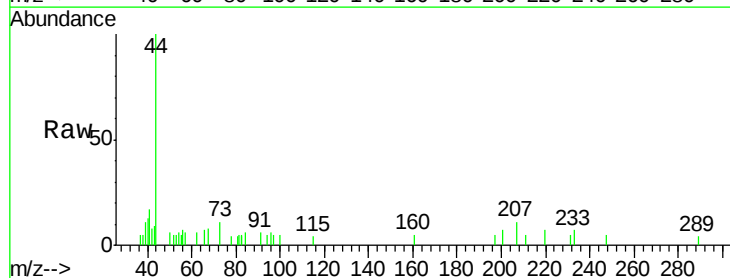
Tot Ion: 59 Resp: 167
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

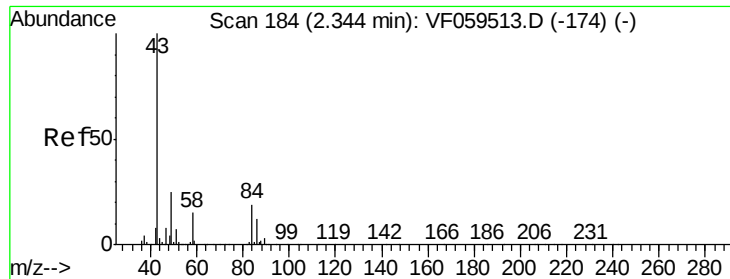


#13

Acrolein
 Concen: Below Cal
 RT: 2.17 min Scan# 166
 Delta R.T. 0.07 min
 Lab File: VF059603.D
 Acq: 21 Jul 2018 1:33

Tgt Ion: 56 Resp: 94
 Ion Ratio Lower Upper
 56 100
 55 78.5 59.4 89.2

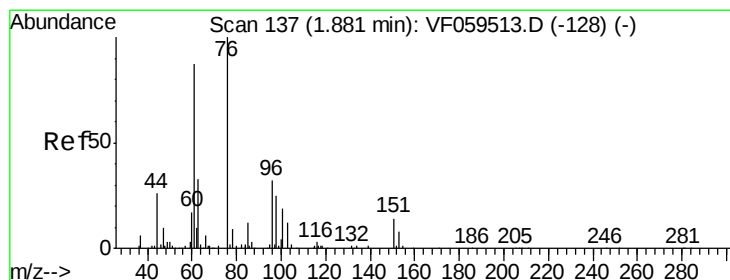
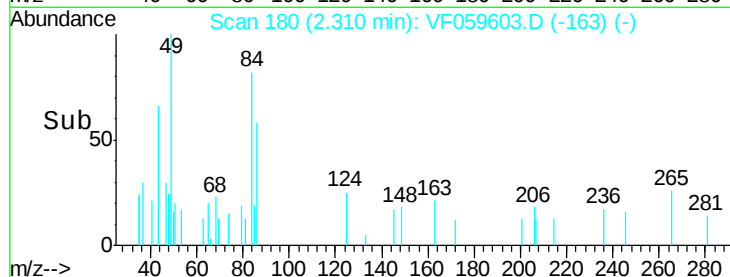
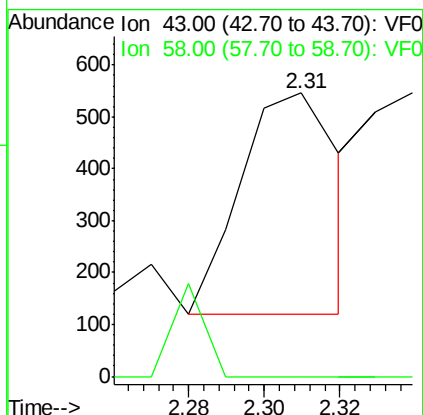
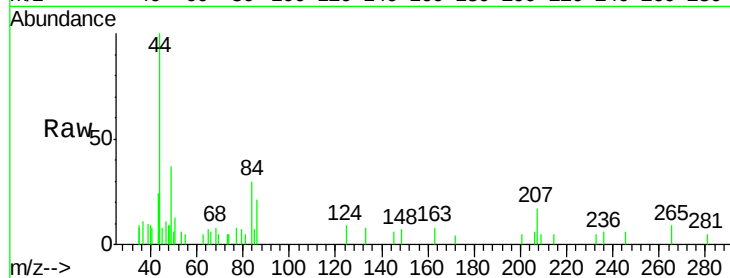




#16
Acetone
Concen: Below Cal
RT: 2.31 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

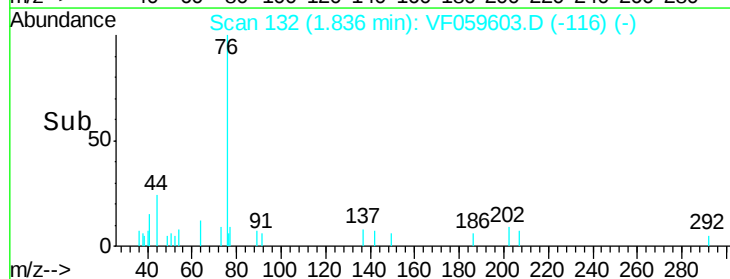
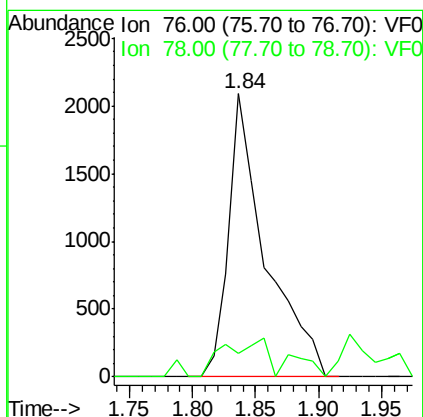
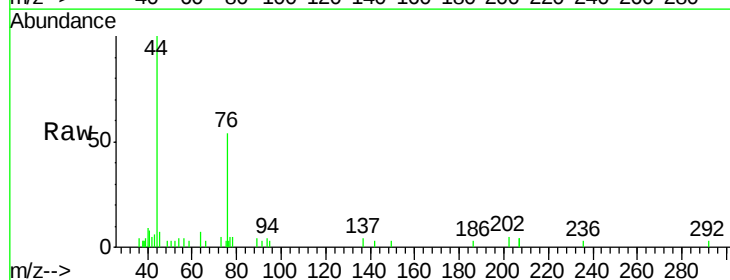
Instrument :
MSVOA_F
ClientSampled :

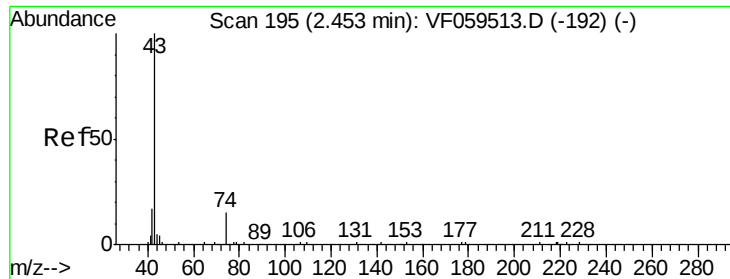
Tot Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
58 0.0 11.8 17.6#



#17
Carbon Disulfide
Concen: 1.195 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.04 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

Tgt Ion: 76 Resp: 4238
Ion Ratio Lower Upper
76 100
78 8.2 7.8 11.6

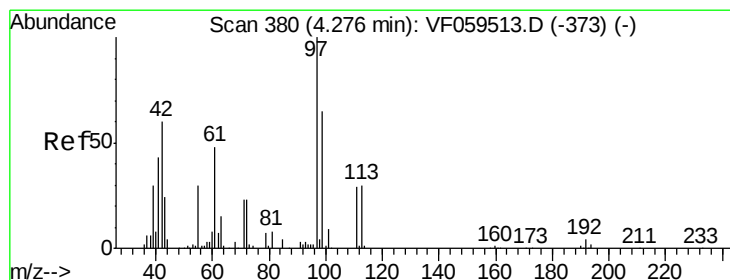
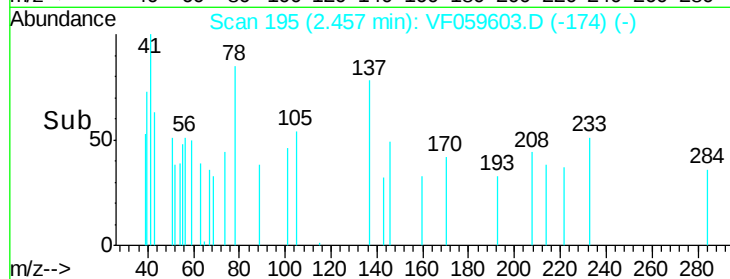
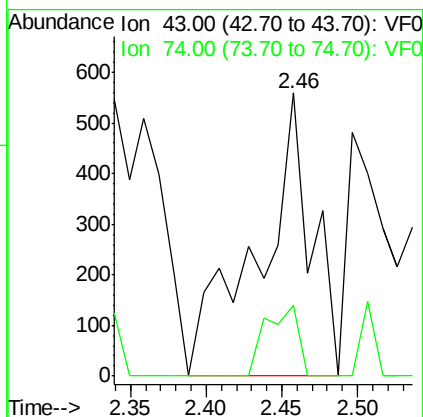
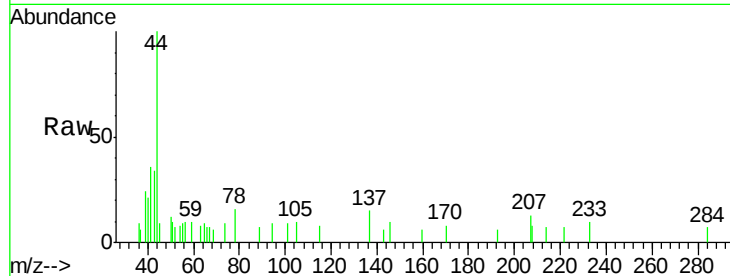




#18
Methvl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

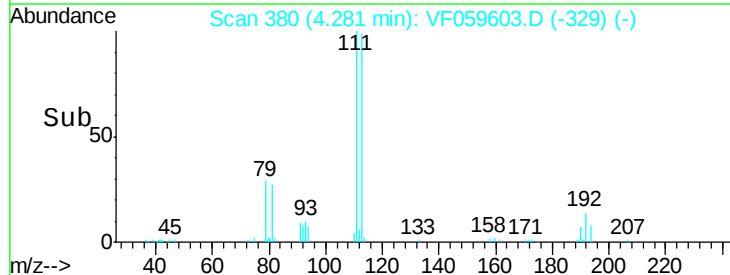
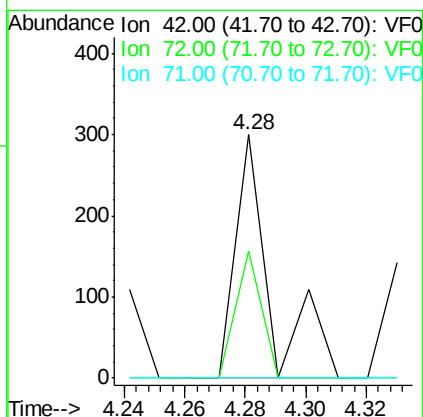
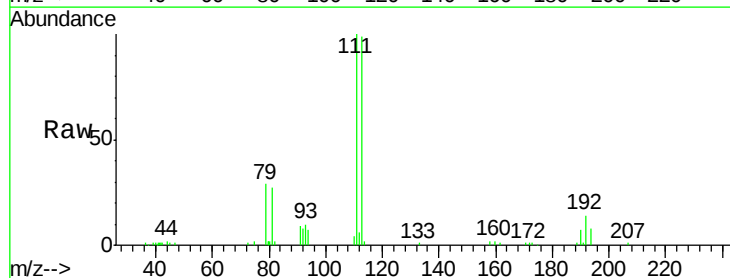
Instrument :
MSVOA_F
ClientSampled :

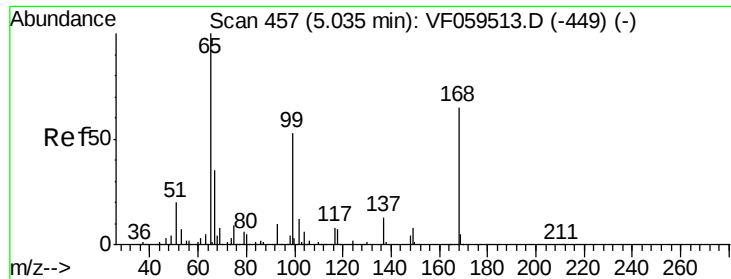
Tot Ion: 43 Resp: 1372
Ion Ratio Lower Upper
43 100
74 25.2 10.6 15.8#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

Tgt Ion: 42 Resp: 242
Ion Ratio Lower Upper
42 100
72 38.4 28.7 43.1
71 0.0 30.8 46.2#

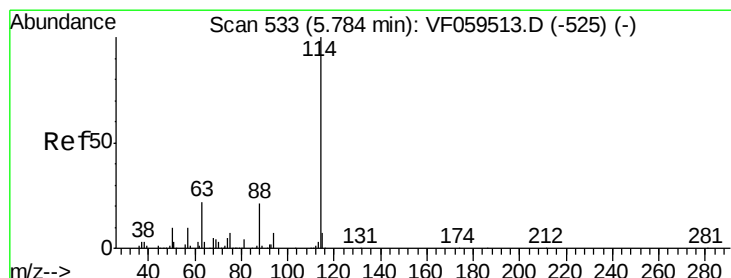
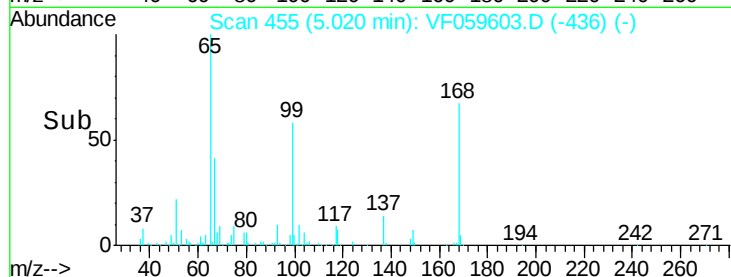
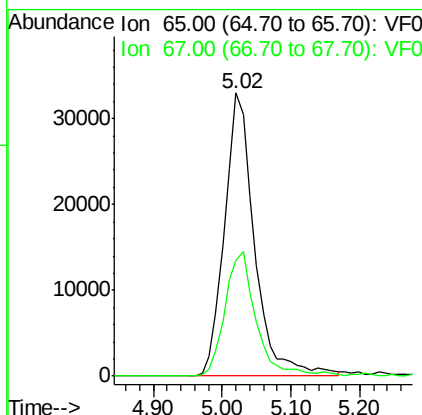
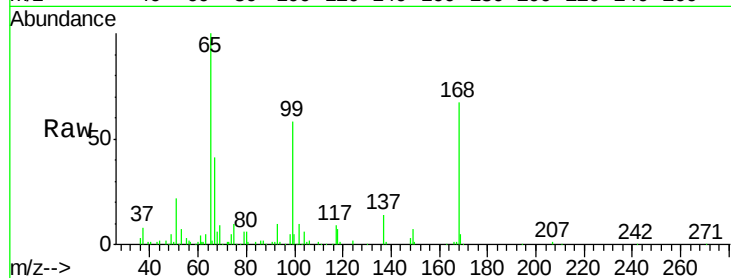




#33
 1,2-Dichloroethane-d4
 Concen: 34.702 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF059603.D
 Acq: 21 Jul 2018 1:33

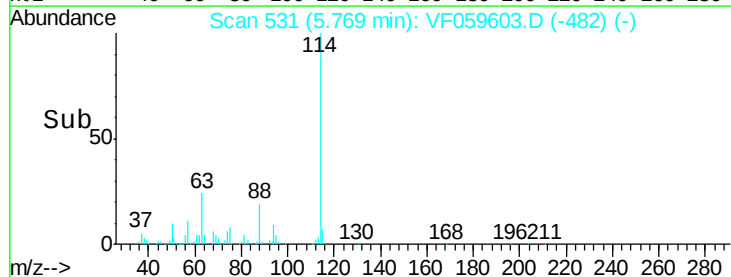
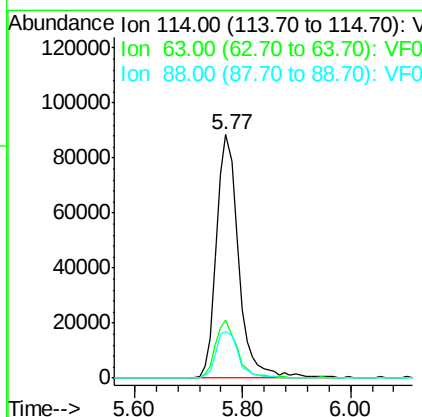
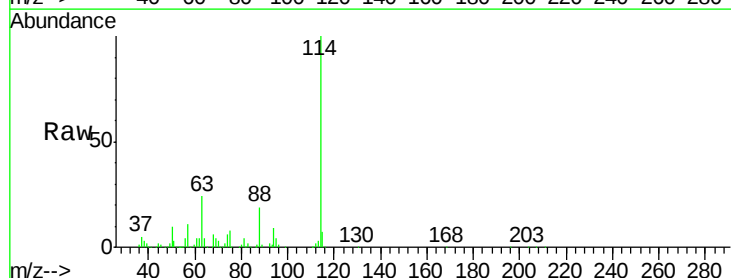
Instrument :
 MSVOA_F
 ClientSampleId :

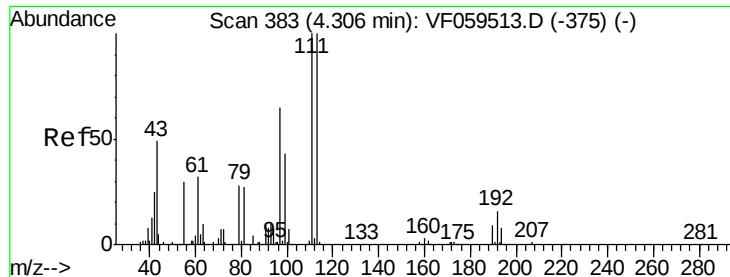
Tot Ion: 65 Resp: 99913
 Ion Ratio Lower Upper
 65 100
 67 40.9 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059603.D
 Acq: 21 Jul 2018 1:33

Tgt Ion: 114 Resp: 252202
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 44.8
 88 19.2 0.0 42.6





#35

Dibromofluoromethane

Concen: 45.609 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

Instrument :
MSVOA_F
ClientSampleId :

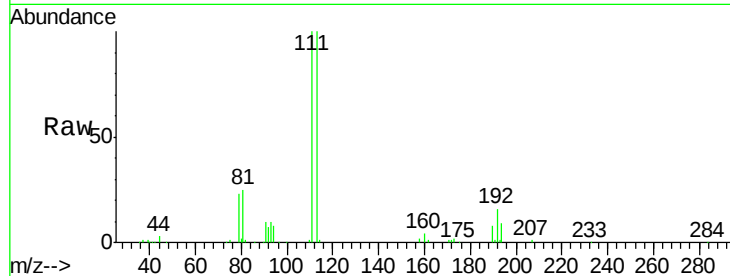
Tot Ion:113 Resp: 99622

Ion Ratio Lower Upper

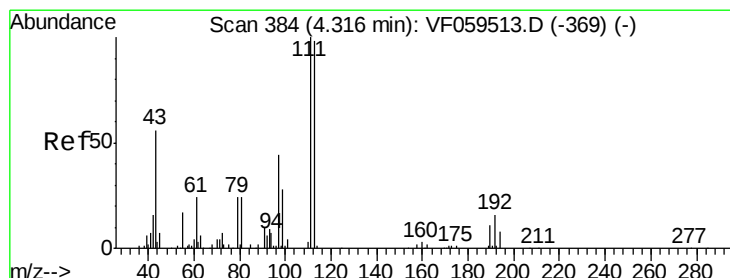
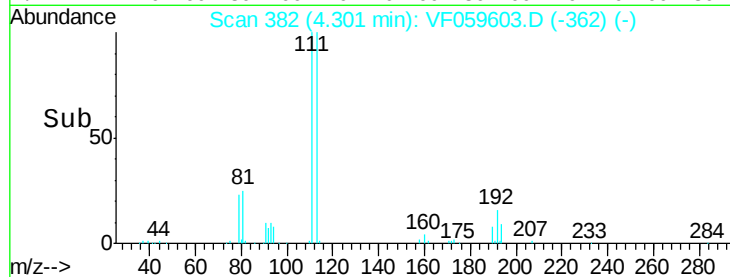
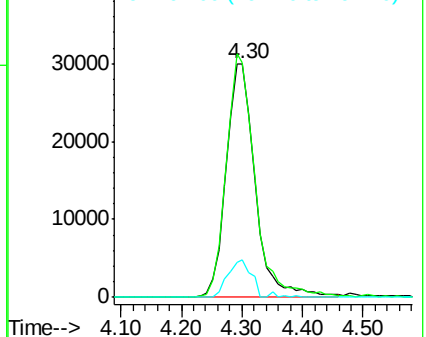
113 100

111 100.3 80.3 120.5

192 15.8 13.1 19.7



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF059603.D

Acq: 21 Jul 2018 1:33

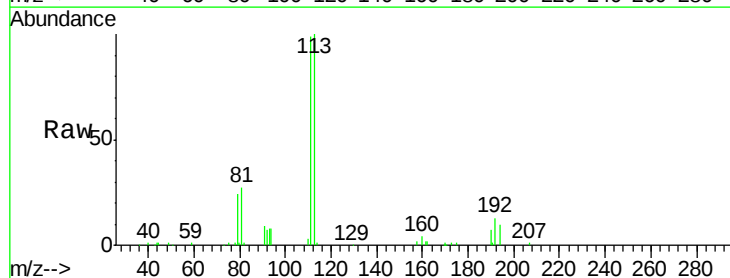
Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

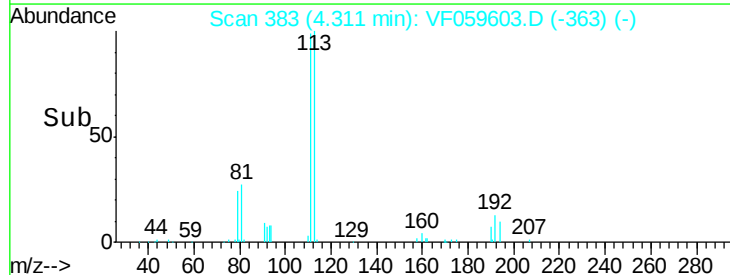
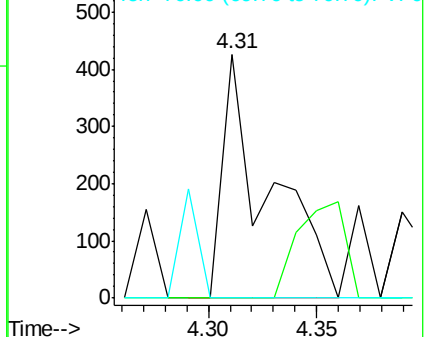
43 100

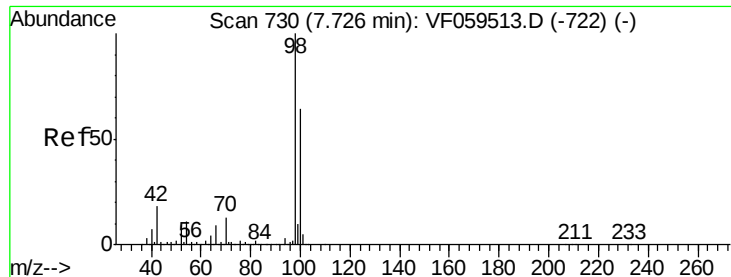
61 0.0 33.7 50.5#

70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

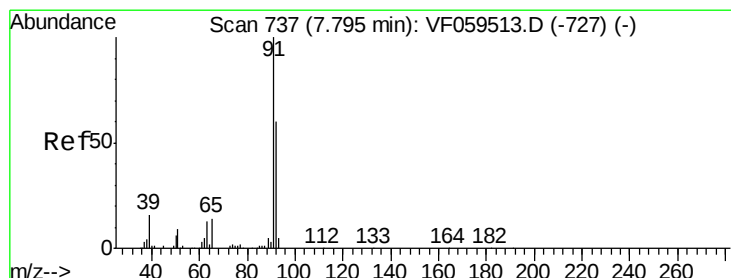
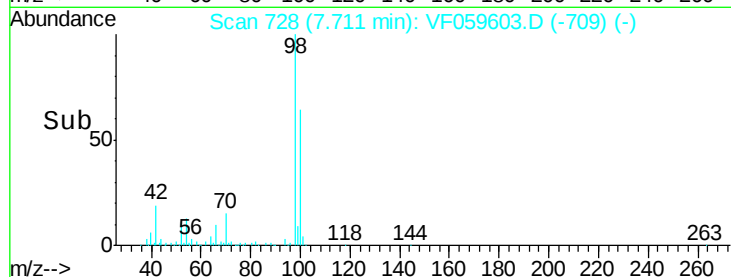
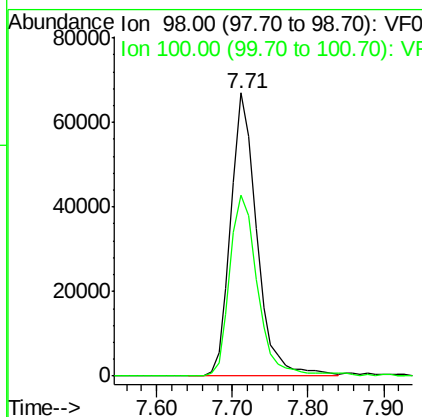
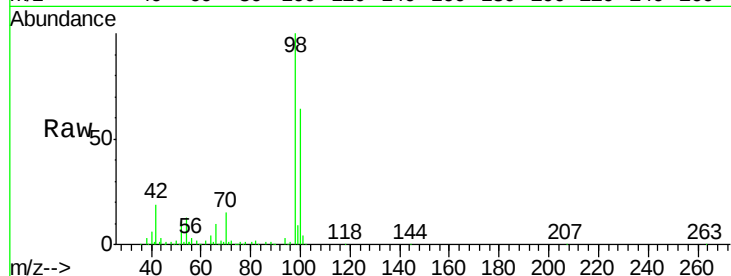




#50
Toluene-d8
Concen: 29.195 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

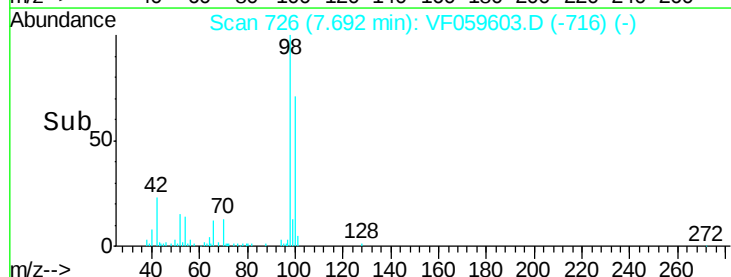
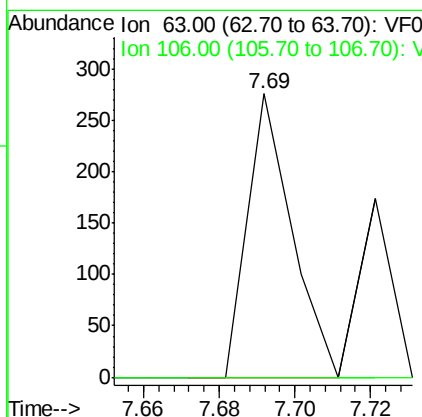
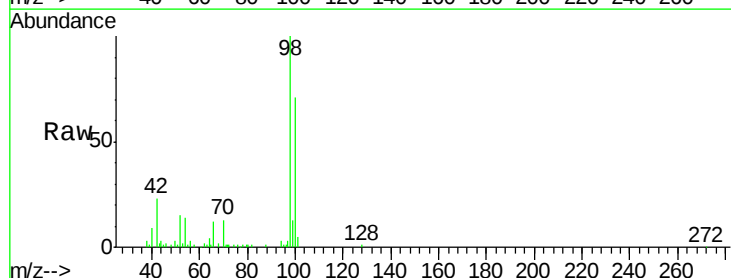
Instrument :
MSVOA_F
ClientSampleId :

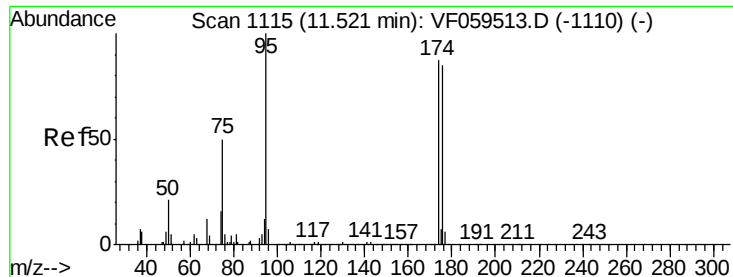
Tot Ion: 98 Resp: 160634
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#58
2-Chloroethyl Vinyl ether
Concen: 1.473 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.10 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

Tgt Ion: 63 Resp: 222
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

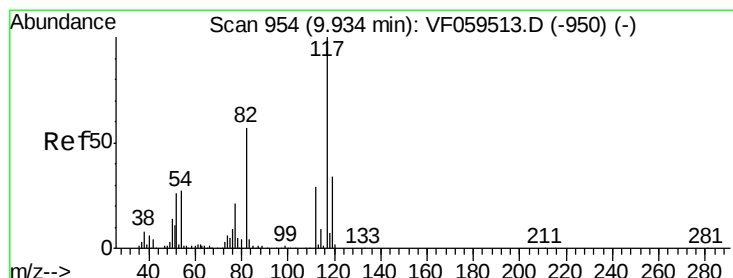
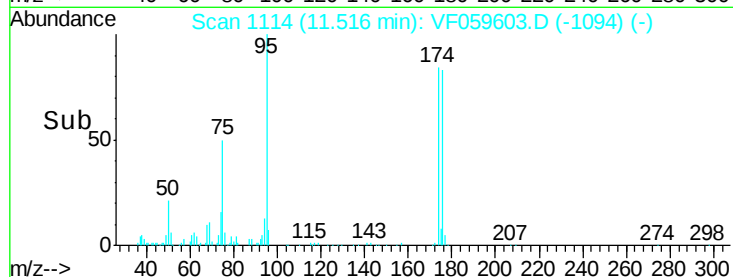
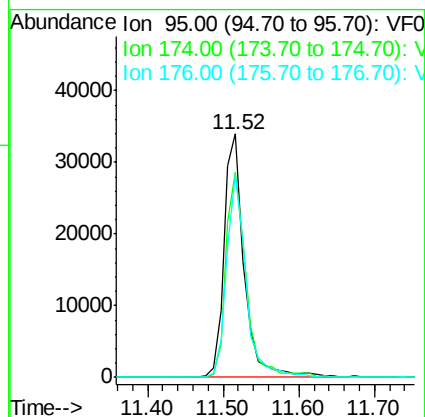
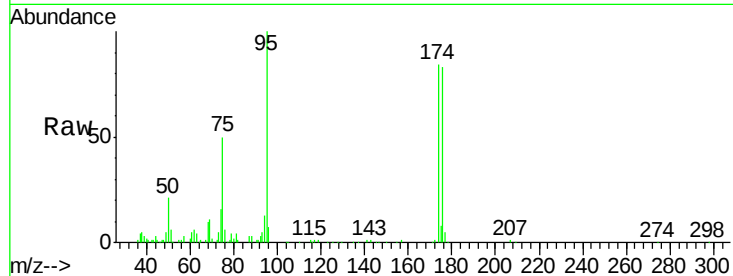




#62
4-Bromofluorobenzene
Concen: 21.846 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

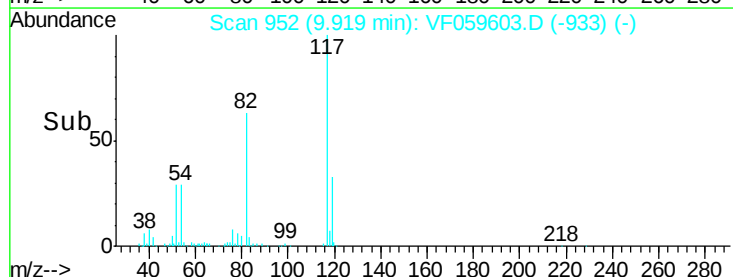
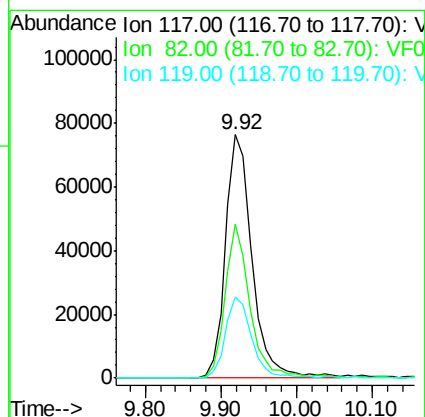
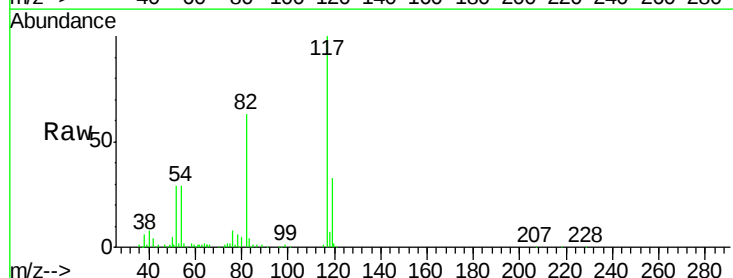
Instrument :
MSVOA_F
ClientSampleId :

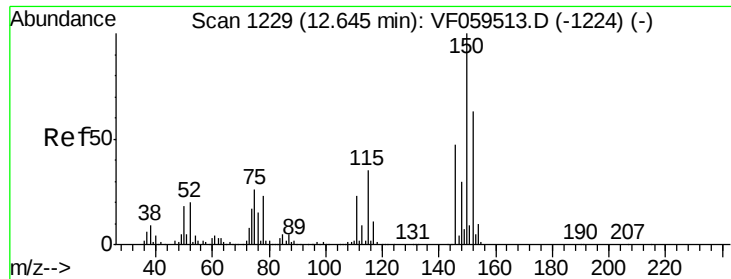
Tot Ion: 95 Resp: 63054
Ion Ratio Lower Upper
95 100
174 84.4 0.0 174.4
176 83.4 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

Tgt Ion: 117 Resp: 186512
Ion Ratio Lower Upper
117 100
82 63.2 46.1 69.1
119 33.0 27.2 40.8



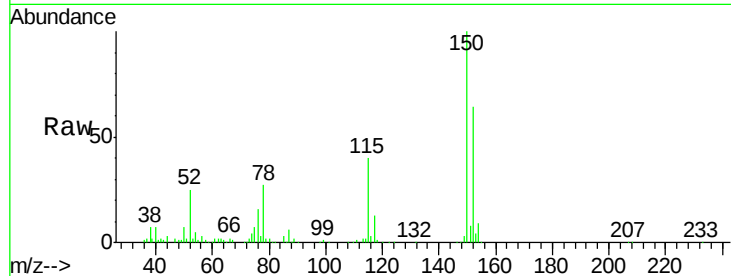


#72

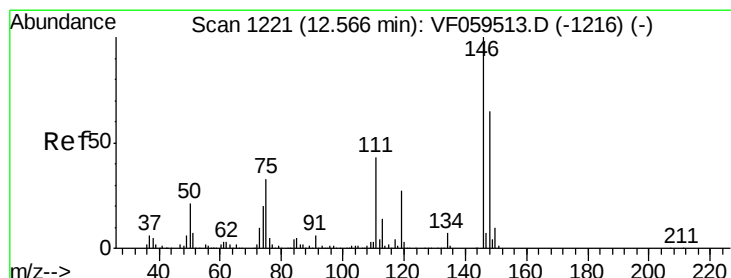
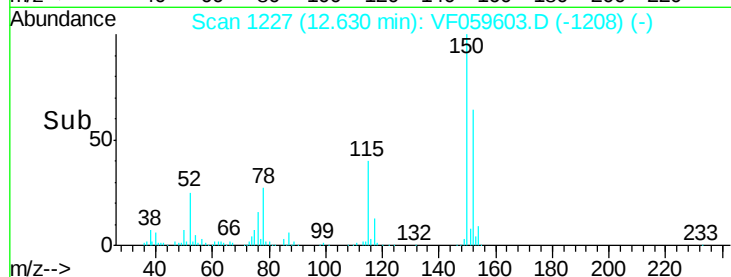
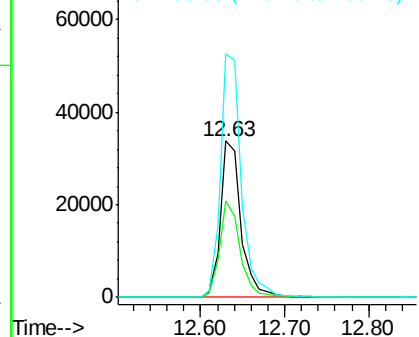
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 57406
Ion Ratio Lower Upper
152 100
115 61.8 27.8 83.3
150 155.8 0.0 318.4



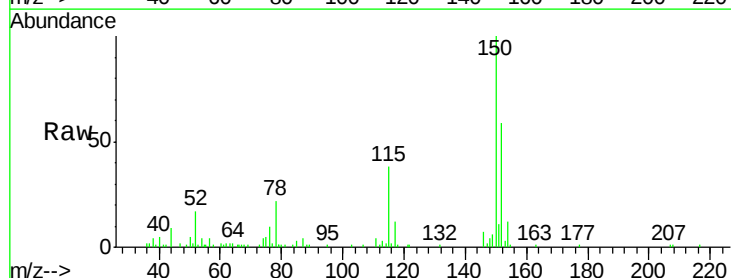
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



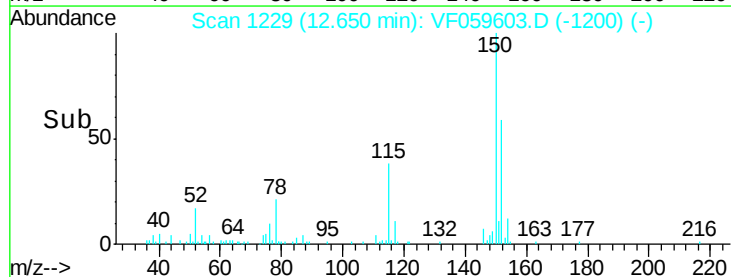
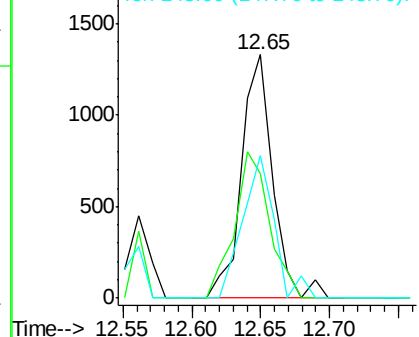
#87

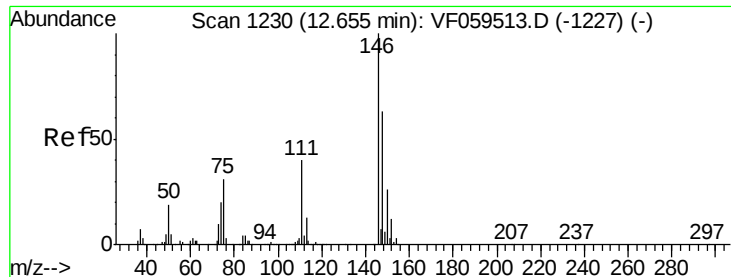
1,3-Dichlorobenzene
Concen: 1.214 ug/l
RT: 12.65 min Scan# 1229
Delta R.T. 0.08 min
Lab File: VF059603.D
Acq: 21 Jul 2018 1:33

Tgt Ion:146 Resp: 2114
Ion Ratio Lower Upper
146 100
111 51.0 21.4 64.3
148 58.4 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

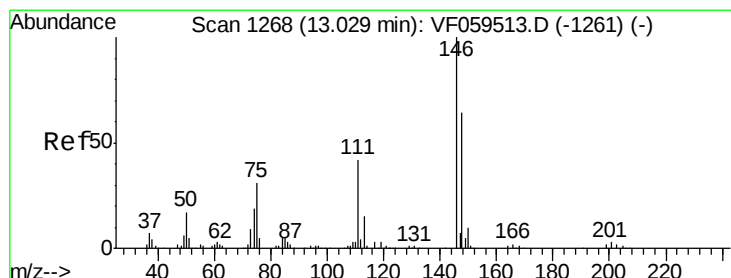
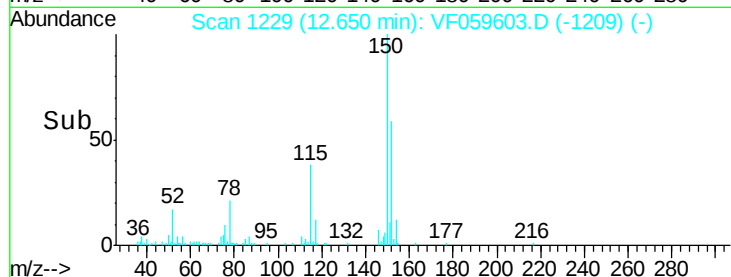
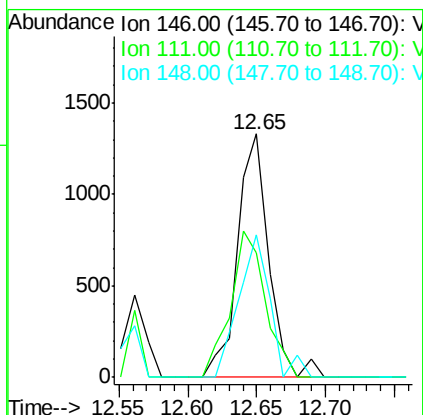
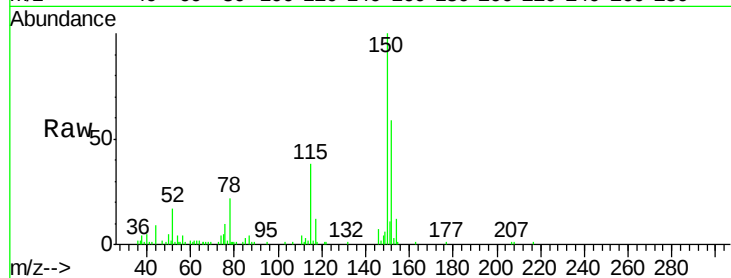




#88
 1,4-Dichlorobenzene
 Concen: 1.232 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059603.D
 Acq: 21 Jul 2018 1:33

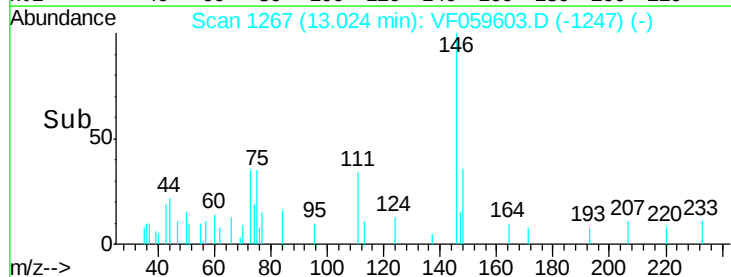
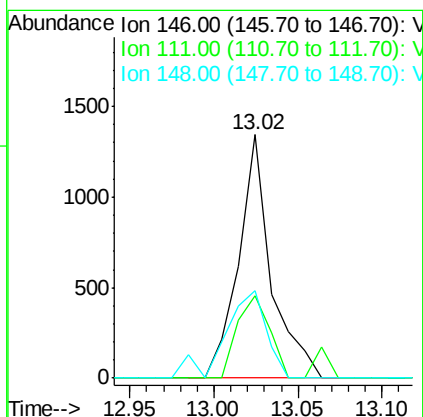
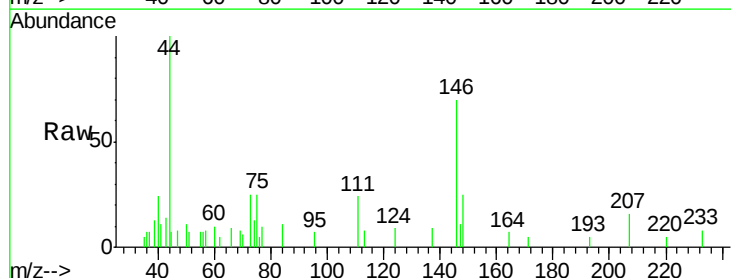
Instrument :
 MSVOA_F
 ClientSampleId :

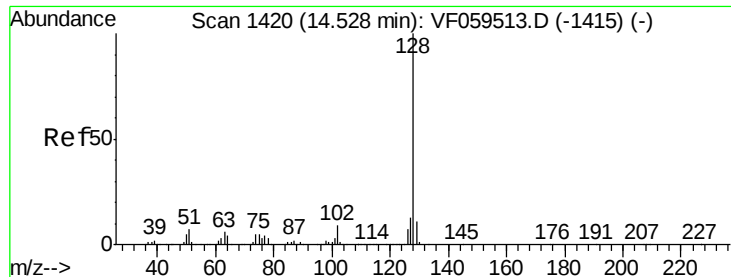
Tot Ion:146 Resp: 2114
 Ion Ratio Lower Upper
 146 100
 111 51.0 20.0 59.9
 148 58.4 31.5 94.5



#91
 1,2-Dichlorobenzene
 Concen: 1.083 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059603.D
 Acq: 21 Jul 2018 1:33

Tgt Ion:146 Resp: 1804
 Ion Ratio Lower Upper
 146 100
 111 33.6 21.1 63.1
 148 36.1 32.3 96.8

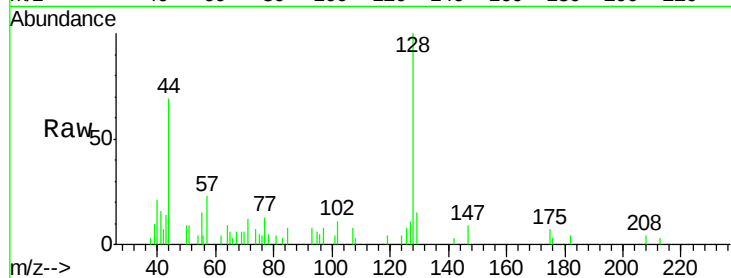




#95
 Naphthalene
 Concen: 2.180 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VF059603.D
 Acq: 21 Jul 2018 1:33

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.2	15.2
129	14.9	9.0	13.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

