

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059461.D
 Acq On : 6 Jul 2018 20:35
 Operator : VA/AP
 Sample : J3845-10RE
 Misc : 5.12g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GF-G-6

Quant Time: Jul 07 01:51:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

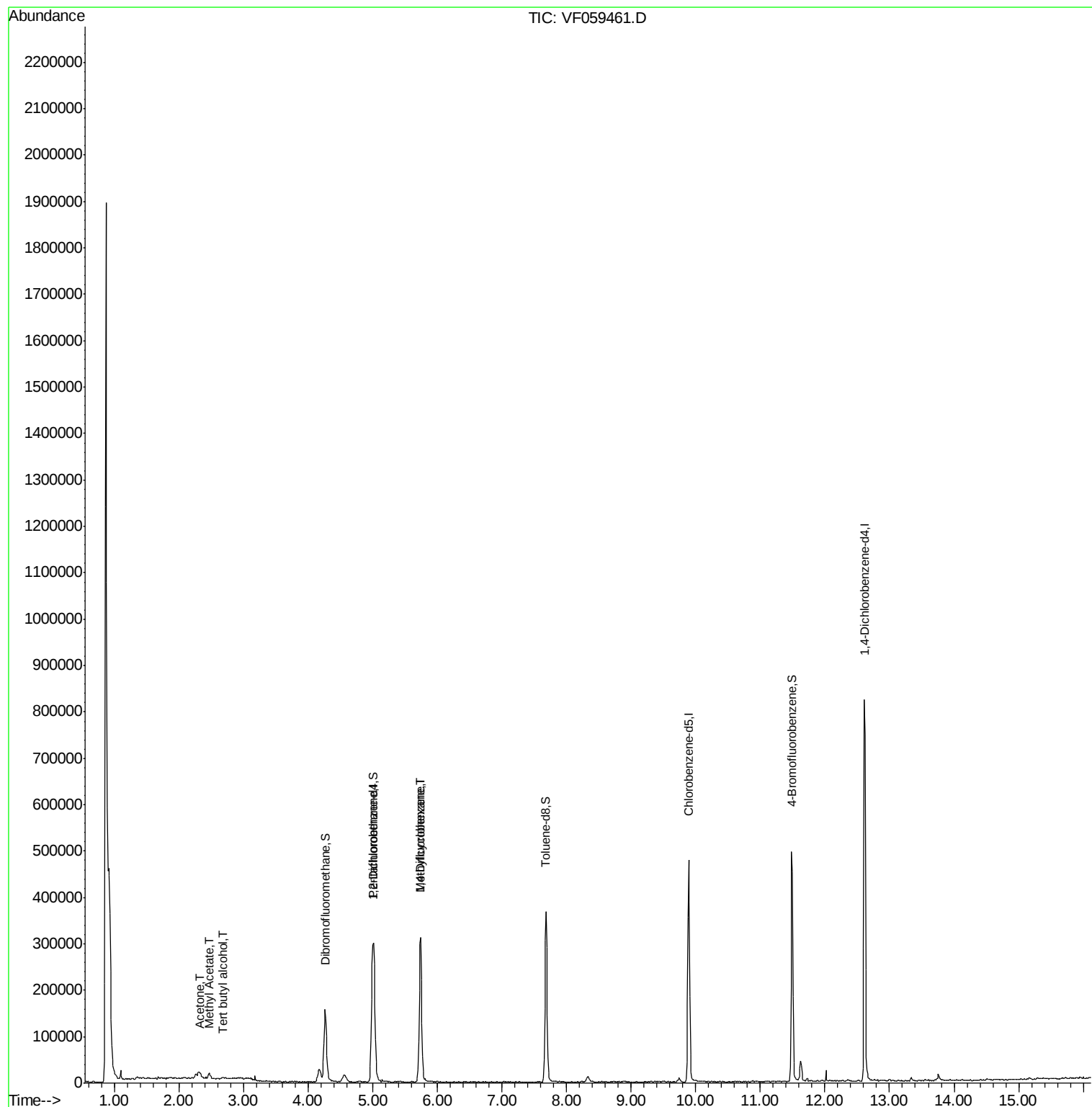
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	202836	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.74	114	308353	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	314634	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	212597	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	156956	59.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	119.78%	
35) Dibromofluoromethane	4.26	113	133046	59.05	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.10%	
50) Toluene-d8	7.68	98	287656	51.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.49	95	172020	54.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.34%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.33	94	554	Below Cal	#	4
11) Tert butyl alcohol	2.67	59	513	2.940 ug/l	#	66
13) Acrolein	2.02	56	173	Below Cal		95
16) Acetone	2.33	43	8026	2.151 ug/l	#	88
18) Methyl Acetate	2.47	43	4147	2.398 ug/l	#	61
20) Methylene Chloride	2.29	84	8483	Below Cal	#	83
25) 2-Butanone	4.46	43	267	Below Cal	#	59
28) Bromochloromethane	3.91	49	73	Below Cal	#	6
29) Tetrahydrofuran	4.24	42	547	Below Cal	#	65
37) Ethyl Acetate	4.24	43	626	Below Cal	#	19
39) Methylcyclohexane	5.73	83	4228	1.771 ug/l	#	42
49) 1,4-Dioxane	6.70	88	73	Below Cal	#	20
59) 2-Hexanone	9.62	43	482	Below Cal	#	30
87) 1,3-Dichlorobenzene	12.53	146	93	Below Cal	#	38

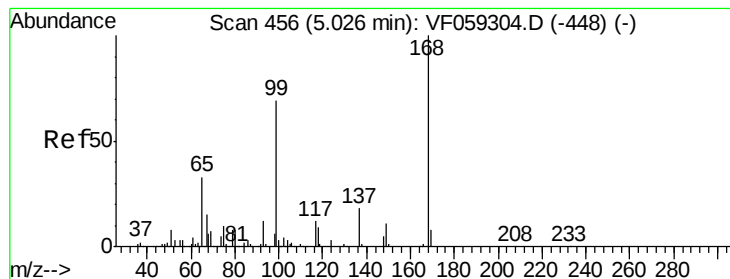
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059461.D

Acq: 6 Jul 2018 20:35

Instrument :

MSVOA_F

ClientSampleId :

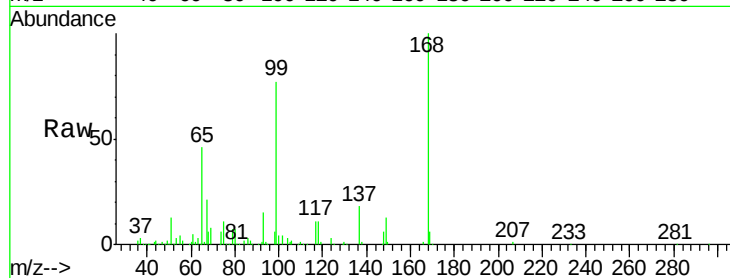
GF-G-6

Tot Ion:168 Resp: 202836

Ion Ratio Lower Upper

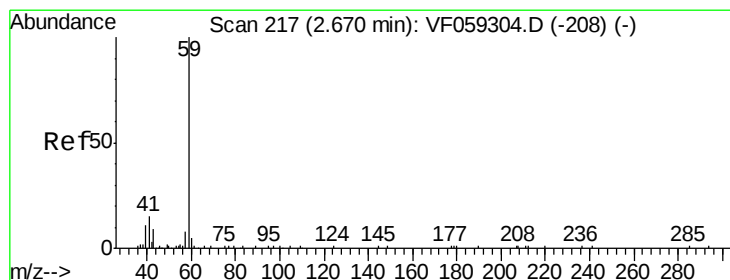
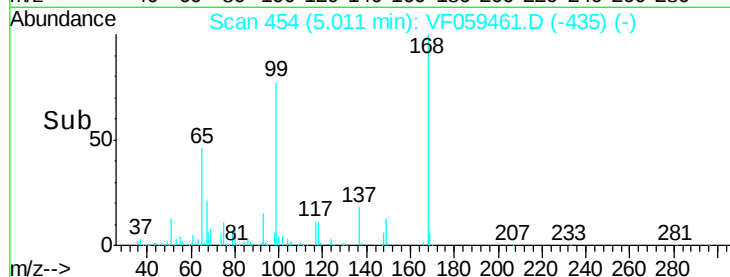
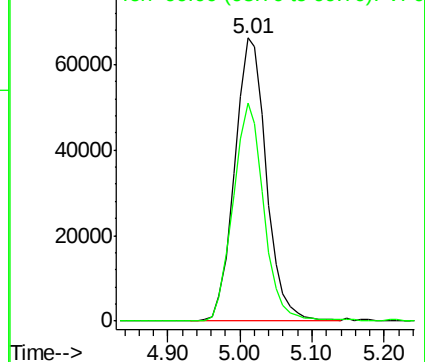
168 100

99 76.9 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 2.940 ug/l

RT: 2.67 min Scan# 217

Delta R.T. 0.00 min

Lab File: VF059461.D

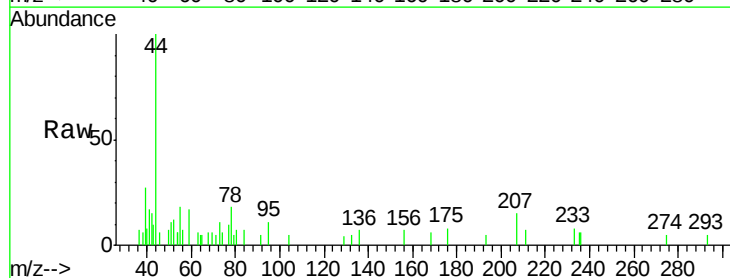
Acq: 6 Jul 2018 20:35

Tgt Ion: 59 Resp: 513

Ion Ratio Lower Upper

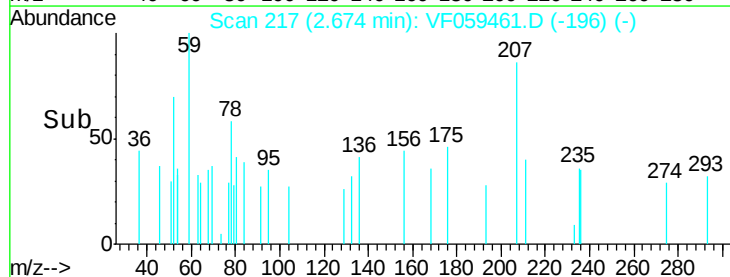
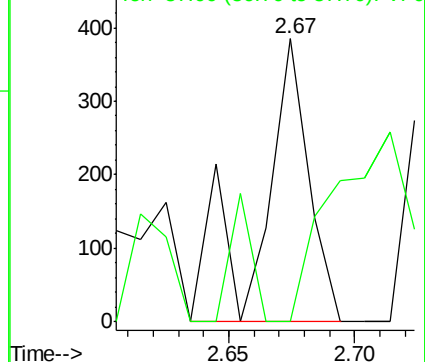
59 100

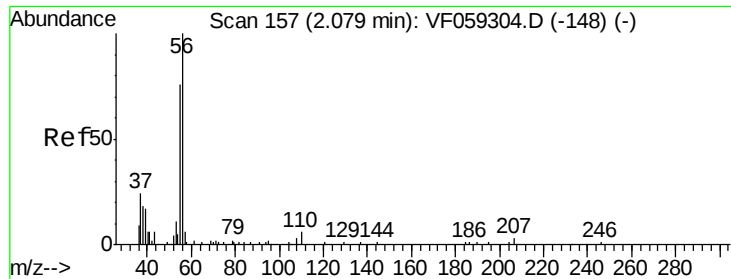
57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

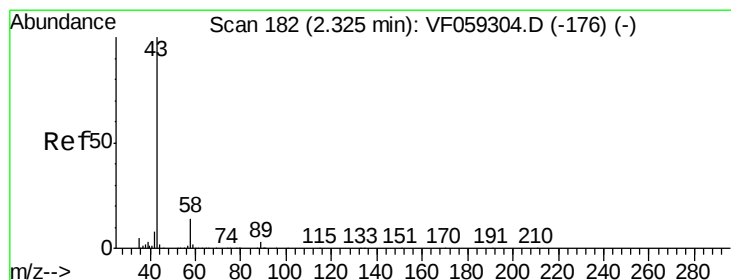
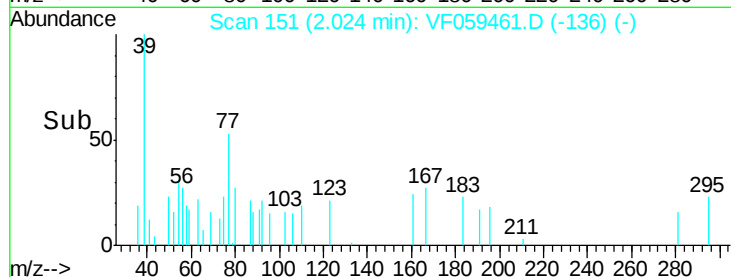
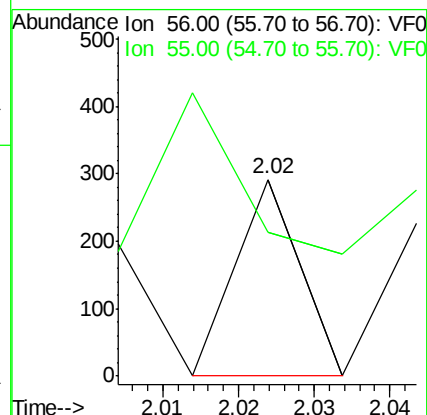
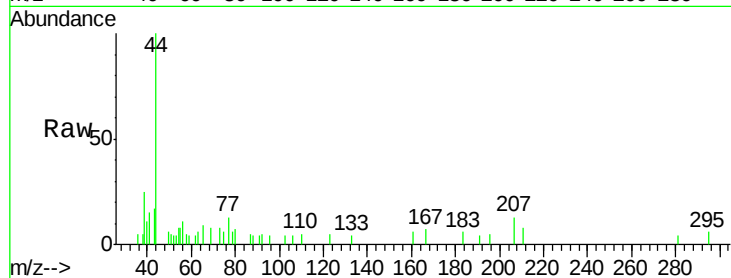




#13
Acrolein
Concen: Below Cal
RT: 2.02 min Scan# 151
Delta R.T. -0.05 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

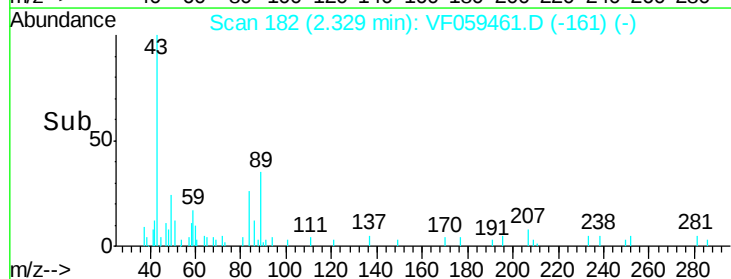
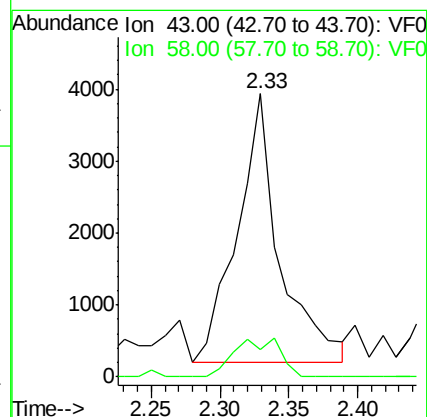
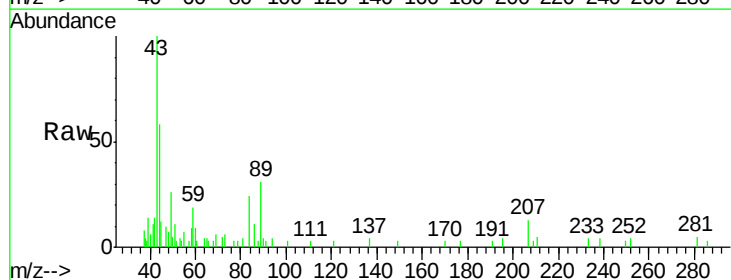
Instrument :
MSVOA_F
ClientSampleId :
GF-G-6

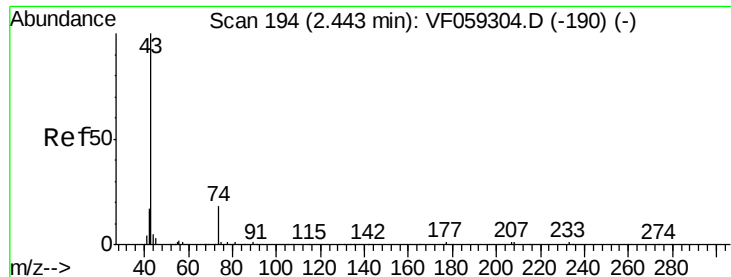
Tot Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 73.3 62.4 93.6



#16
Acetone
Concen: 2.151 ug/l
RT: 2.33 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

Tgt Ion: 43 Resp: 8026
Ion Ratio Lower Upper
43 100
58 9.5 11.4 17.0#

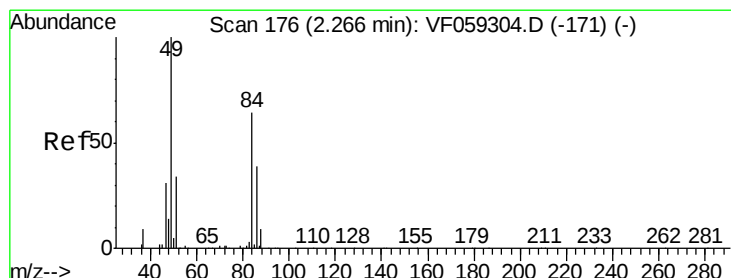
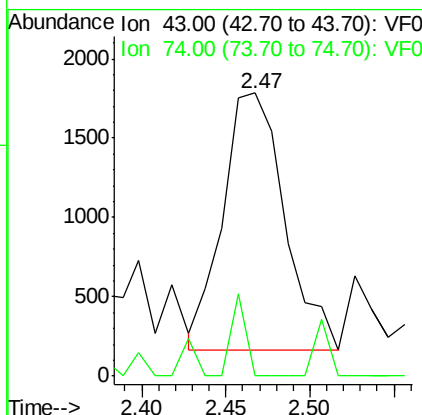
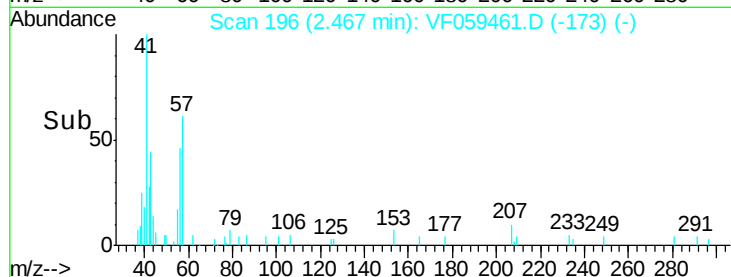
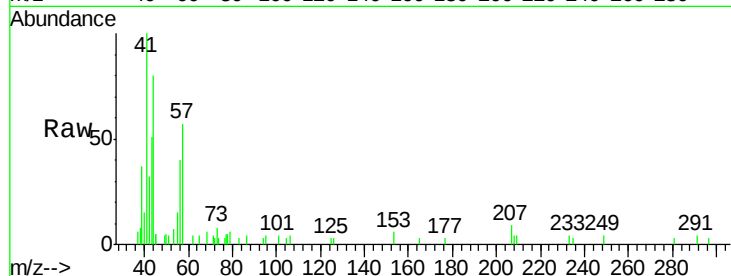




#18
Methyl Acetate
Concen: 2.398 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

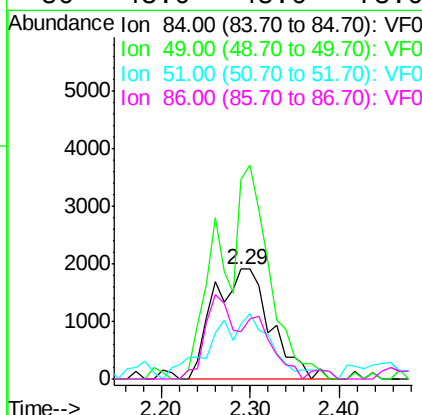
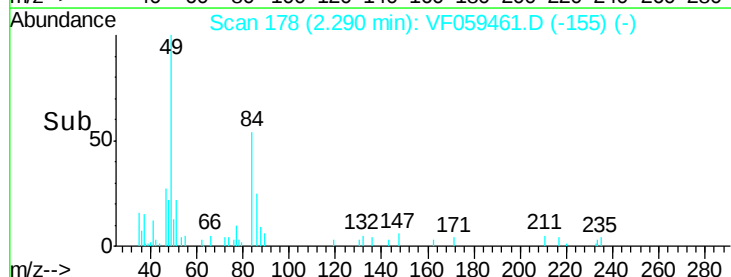
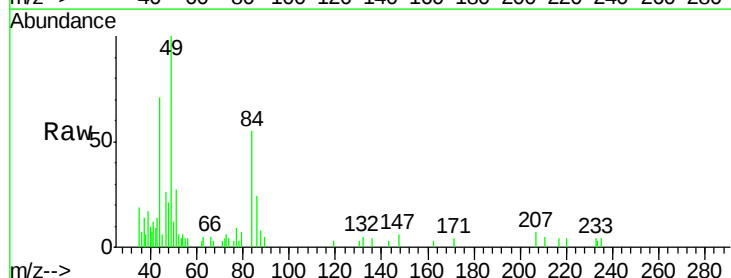
Instrument :
MSVOA_F
ClientSampleId :
GF-G-6

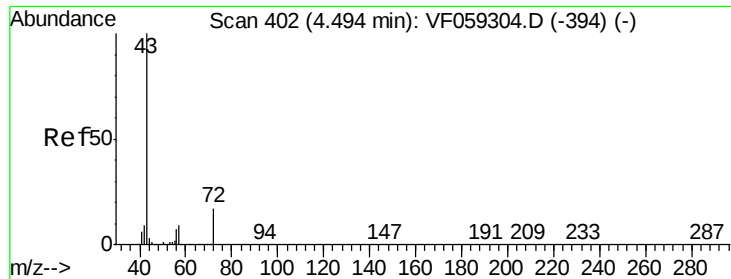
Tot Ion: 43 Resp: 4147
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.29 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

Tgt Ion: 84 Resp: 8483
Ion Ratio Lower Upper
84 100
49 181.8 126.5 189.7
51 49.9 42.9 64.3
86 43.0 48.6 73.0#





#25

2-Butanone

Concen: Below Cal

RT: 4.46 min Scan# 398

Delta R.T. -0.03 min

Lab File: VF059461.D

Acq: 6 Jul 2018 20:35

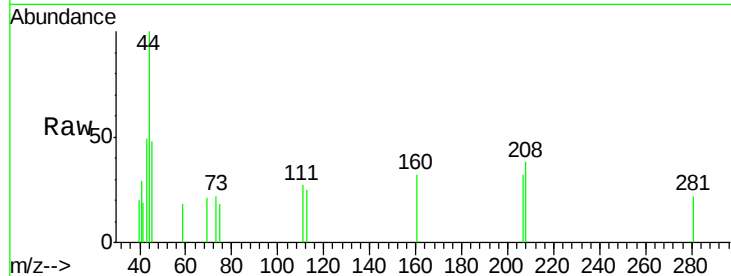
Instrument :
MSVOA_F
ClientSampleId :
GF-G-6

Tot Ion: 43 Resp: 267

Ion Ratio Lower Upper

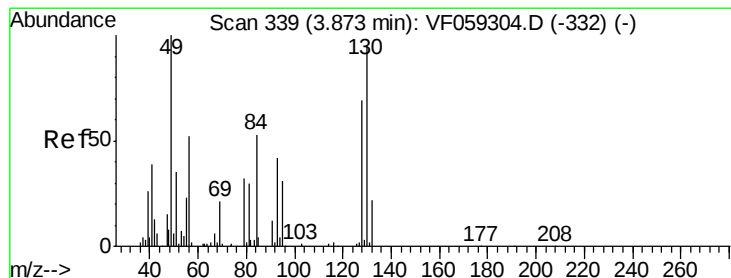
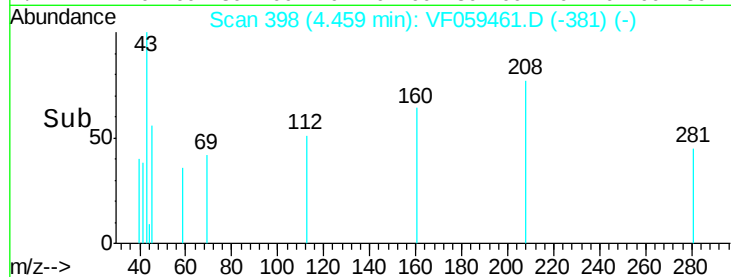
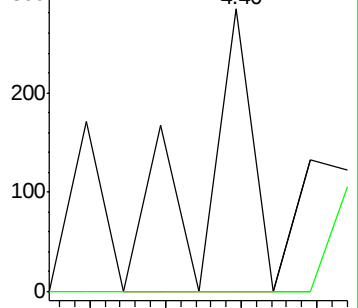
43 100

72 0.0 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#28

Bromochloromethane

Concen: Below Cal

RT: 3.91 min Scan# 342

Delta R.T. 0.03 min

Lab File: VF059461.D

Acq: 6 Jul 2018 20:35

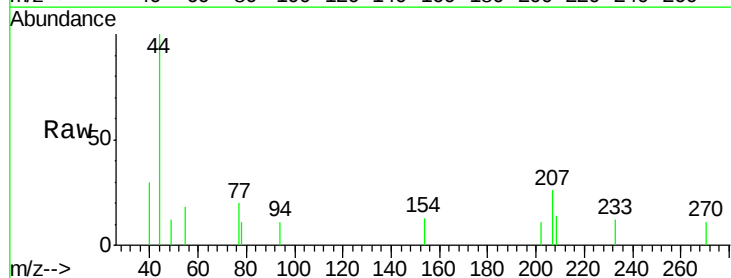
Tgt Ion: 49 Resp: 73

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

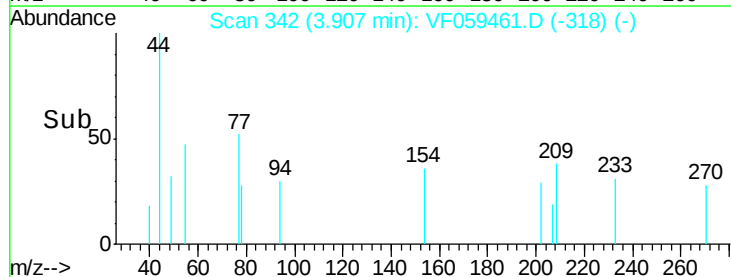
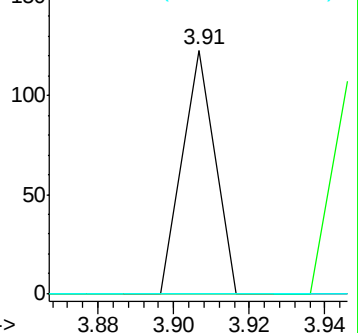
130 0.0 75.1 112.7#

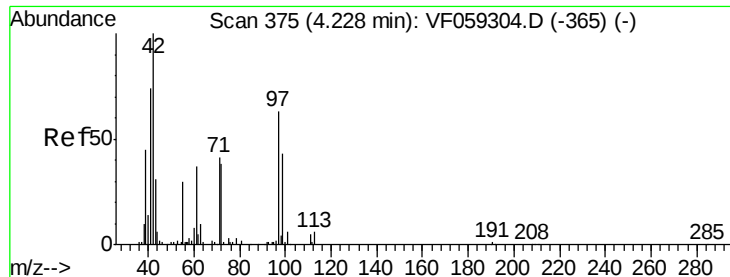


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

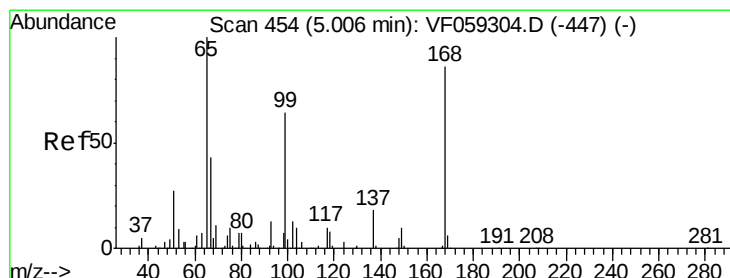
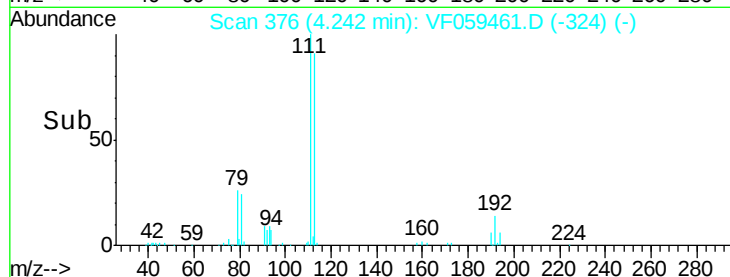
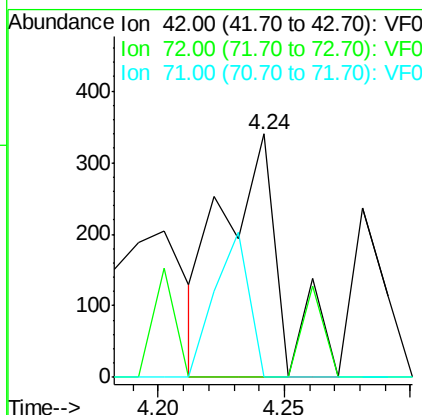
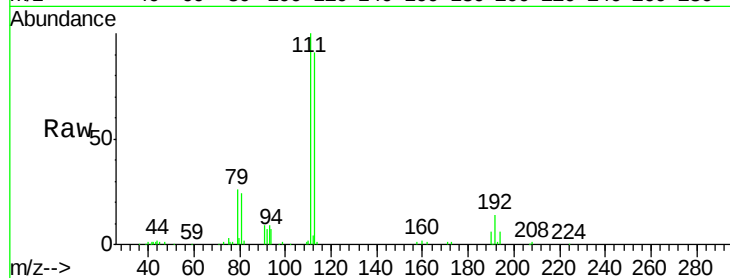




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

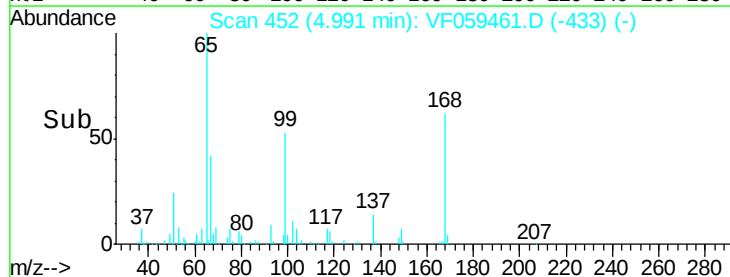
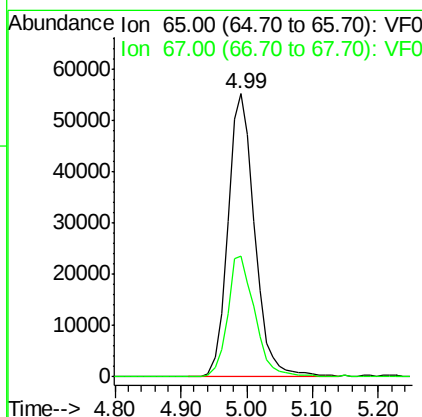
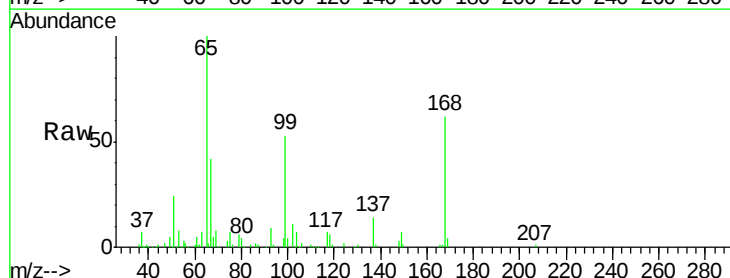
Instrument :
MSVOA_F
ClientSampled :
GF-G-6

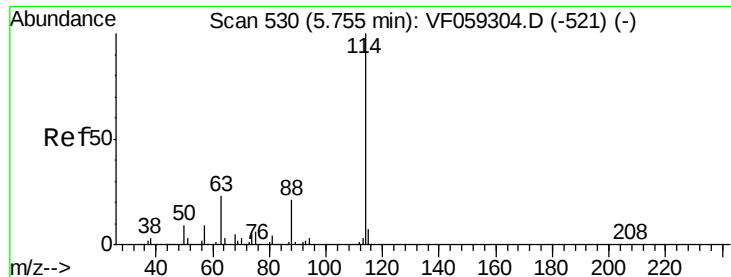
Tot Ion: 42 Resp: 547
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 34.7 32.5 48.7



#33
1,2-Dichloroethane-d4
Concen: 59.893 ug/l
RT: 4.99 min Scan# 452
Delta R.T. -0.02 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

Tgt Ion: 65 Resp: 156956
Ion Ratio Lower Upper
65 100
67 42.5 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 528

Delta R.T. -0.02 min

Lab File: VF059461.D

Acq: 6 Jul 2018 20:35

Instrument :

MSVOA_F

ClientSampleId :

GF-G-6

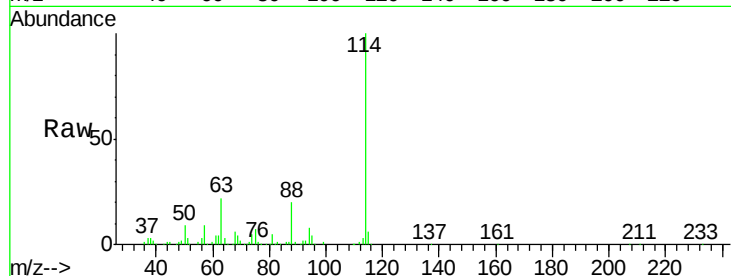
Tot Ion:114 Resp: 308353

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.8

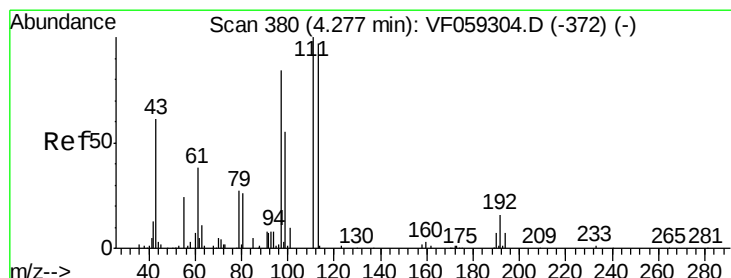
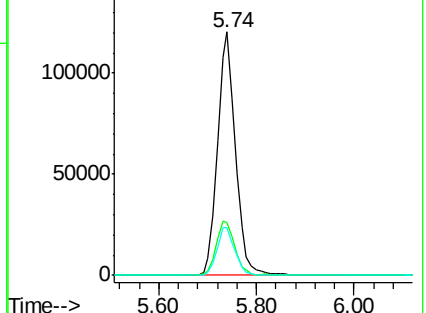
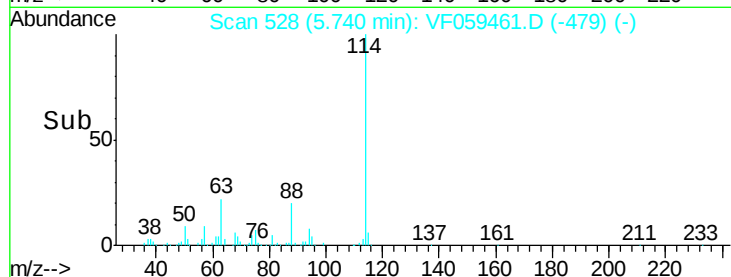
88 19.6 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 59.052 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059461.D

Acq: 6 Jul 2018 20:35

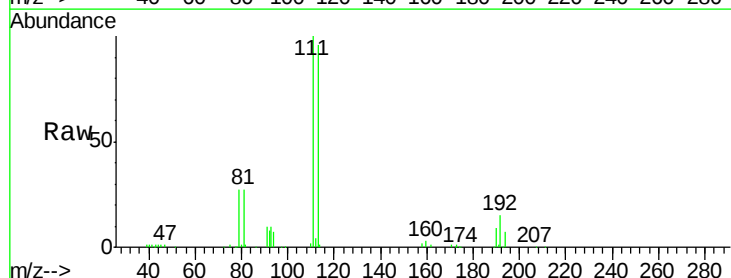
Tgt Ion:113 Resp: 133046

Ion Ratio Lower Upper

113 100

111 104.2 82.1 123.1

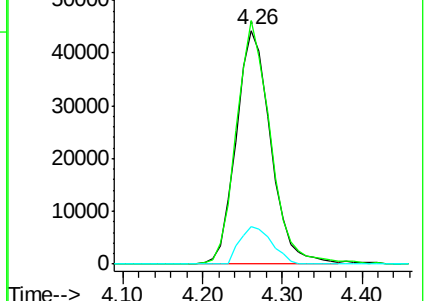
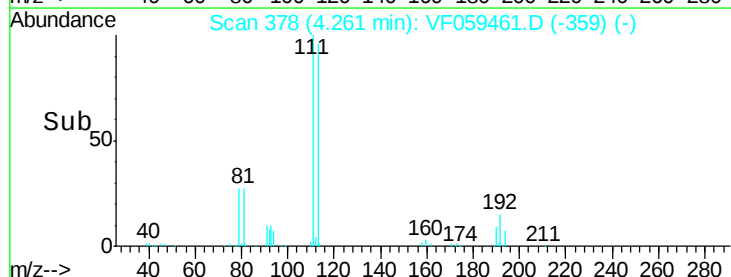
192 16.3 13.0 19.6

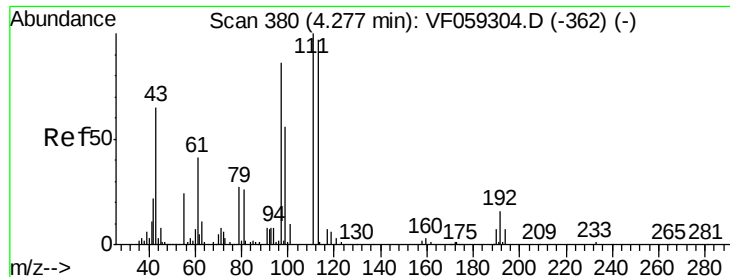


Abundance Ion 113.00 (112.70 to 113.70): V

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: 4.24 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF059461.D

Acq: 6 Jul 2018 20:35

Instrument :

MSVOA_F

ClientSampled :

GF-G-6

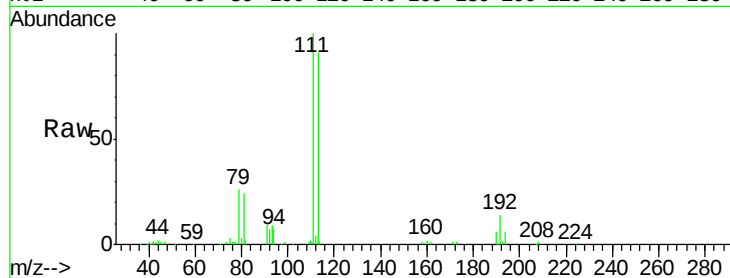
Tot Ion: 43 Resp: 626

Ion Ratio Lower Upper

43 100

61 0.0 50.1 75.1#

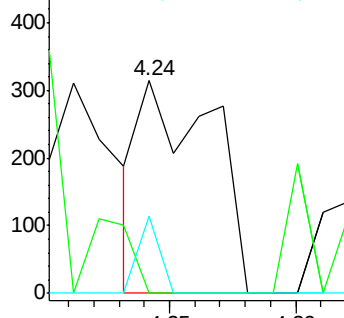
70 36.3 6.2 9.4#



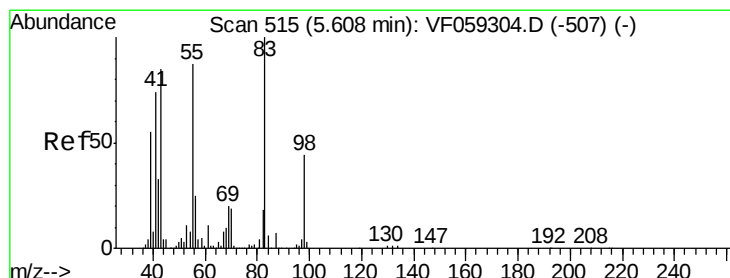
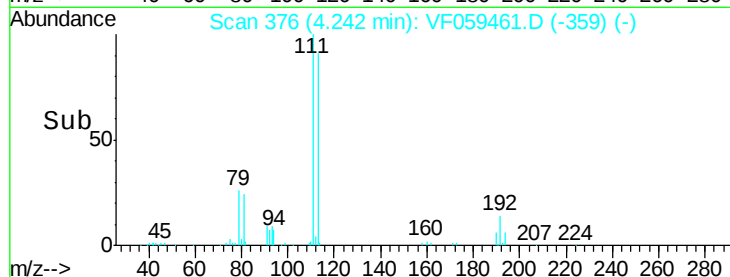
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#39

Methylcyclohexane

Concen: 1.771 ug/l

RT: 5.73 min Scan# 527

Delta R.T. 0.12 min

Lab File: VF059461.D

Acq: 6 Jul 2018 20:35

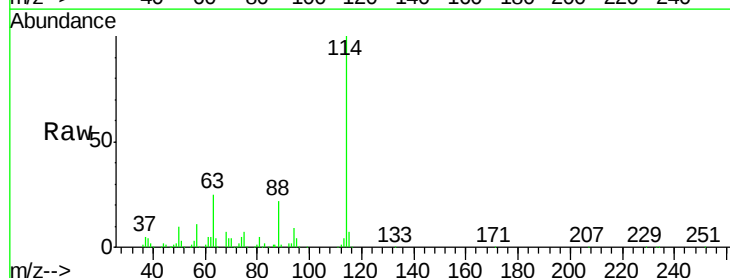
Tgt Ion: 83 Resp: 4228

Ion Ratio Lower Upper

83 100

55 38.3 69.2 103.8#

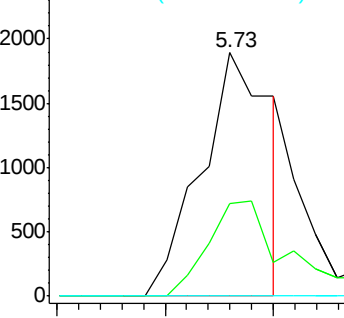
98 0.0 35.0 52.6#



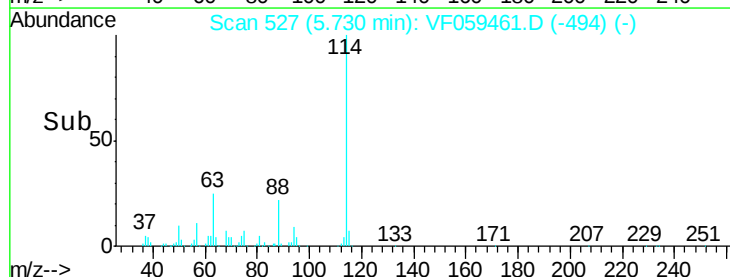
Abundance Ion 83.00 (82.70 to 83.70): VF0

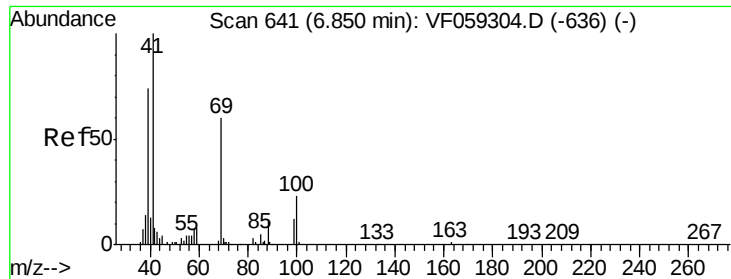
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->

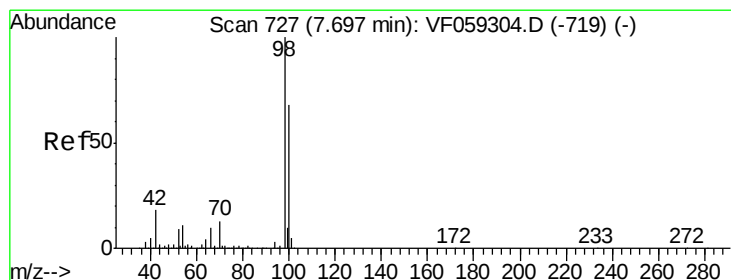
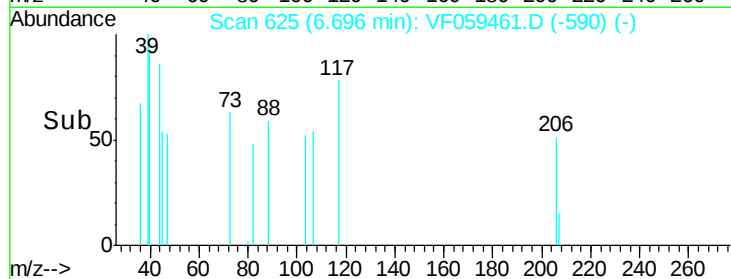
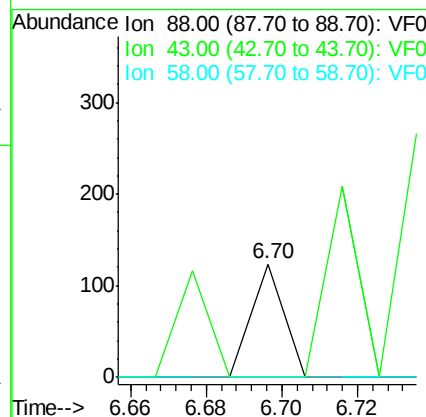
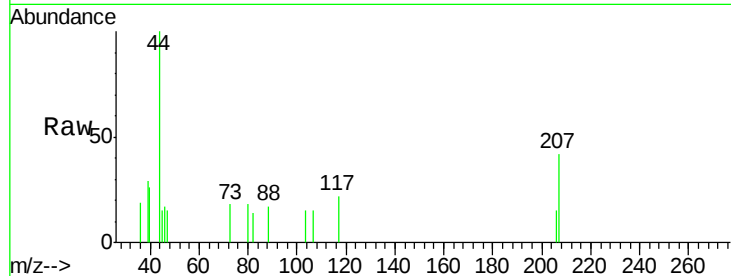




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.70 min Scan# 625
Delta R.T. -0.15 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

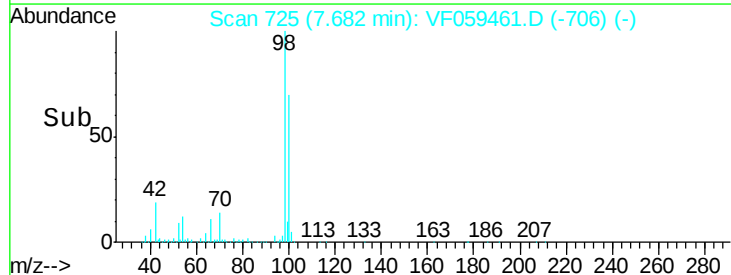
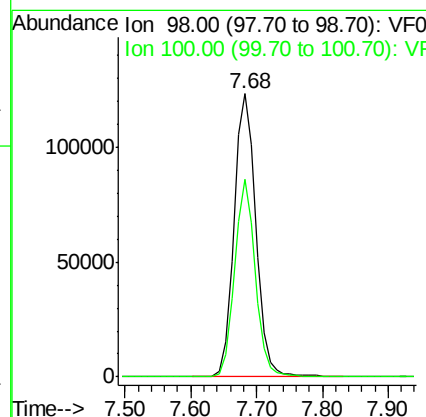
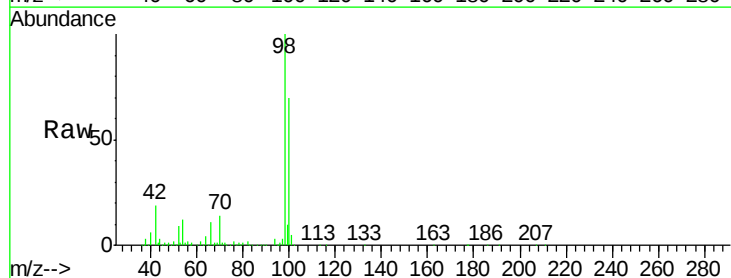
Instrument :
MSVOA_F
ClientSampleId :
GF-G-6

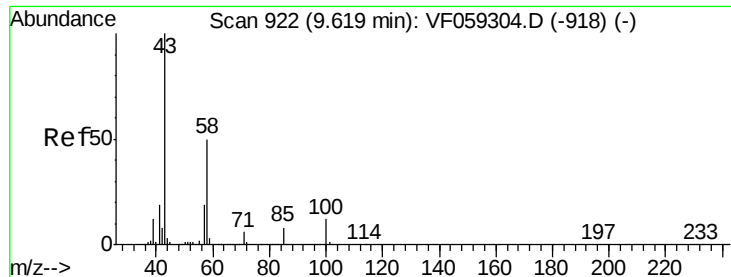
Tot Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 50.6 75.8#
58 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 51.567 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

Tgt Ion: 98 Resp: 287656
Ion Ratio Lower Upper
98 100
100 69.8 54.6 82.0

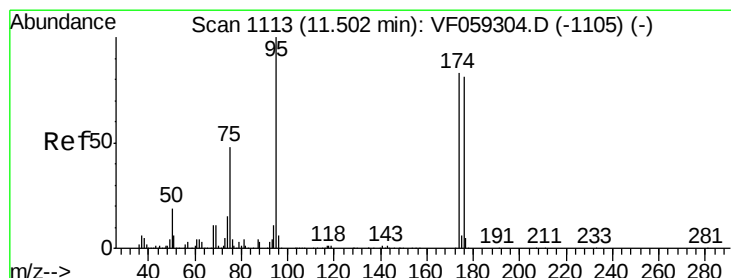
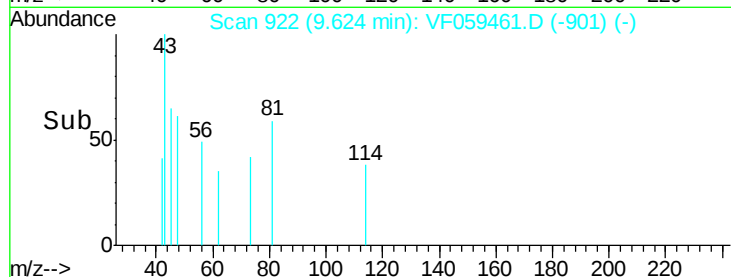
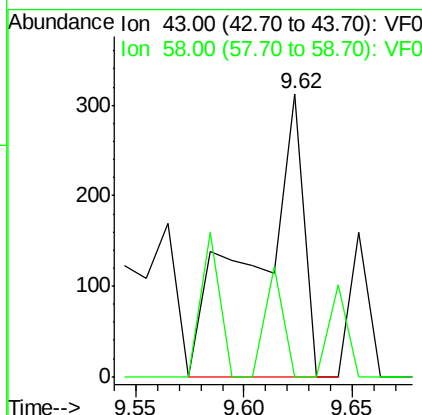
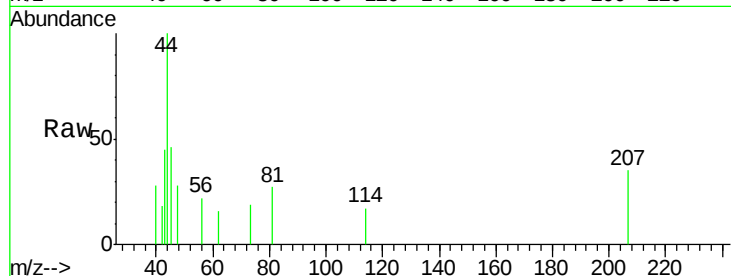




#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

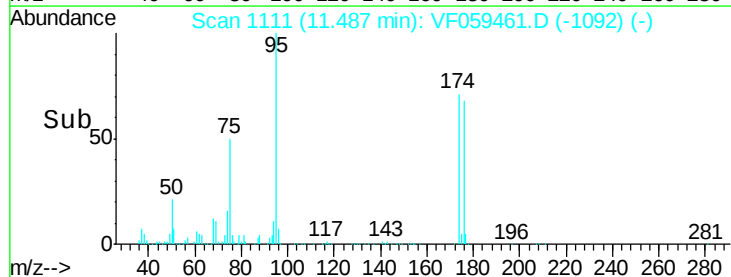
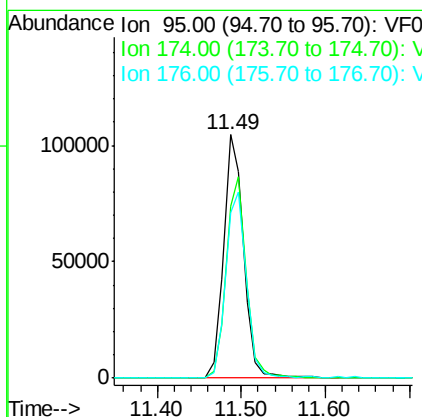
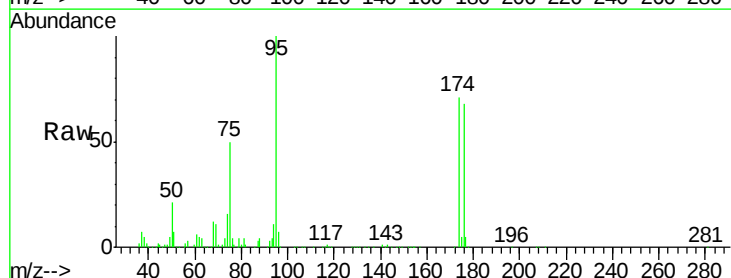
Instrument :
MSVOA_F
ClientSampled :
GF-G-6

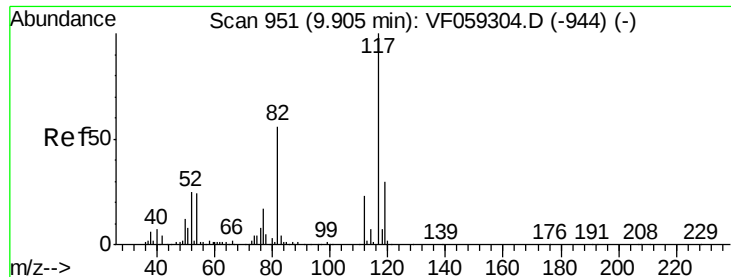
Tot Ion: 43 Resp: 482
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: 54.667 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

Tgt Ion: 95 Resp: 172020
Ion Ratio Lower Upper
95 100
174 70.9 0.0 165.2
176 67.8 0.0 161.0

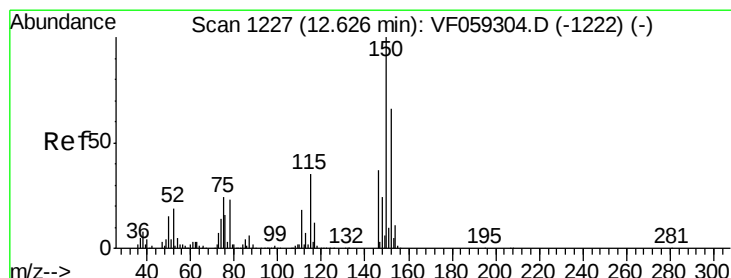
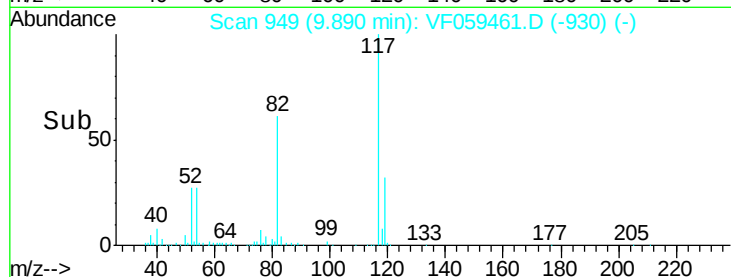
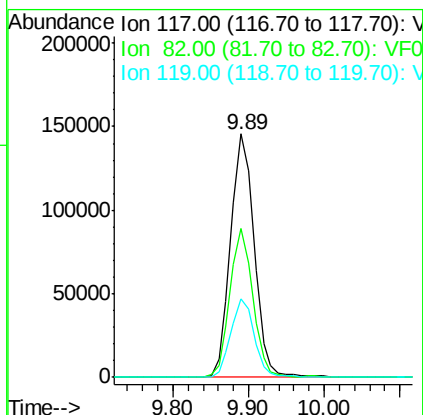
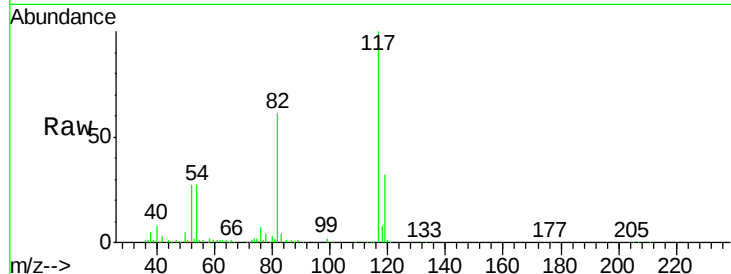




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

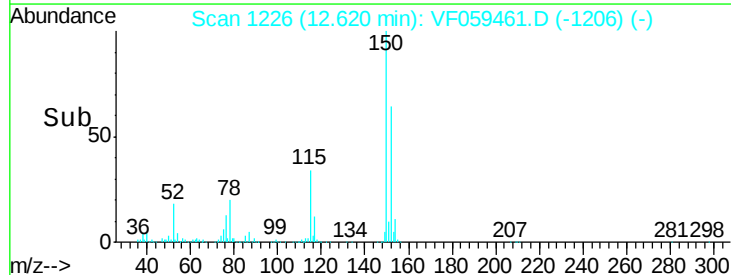
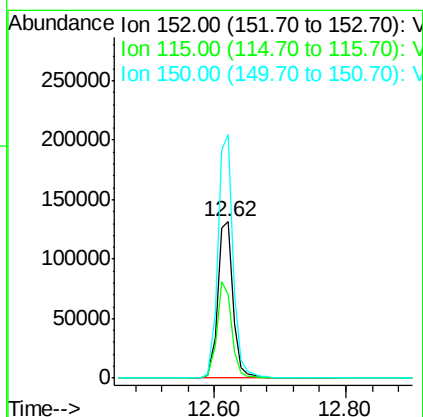
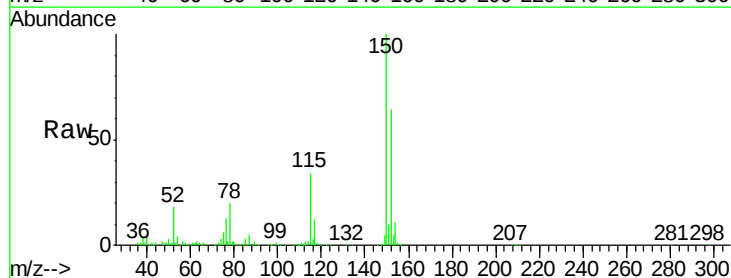
Instrument :
MSVOA_F
ClientSampleId :
GF-G-6

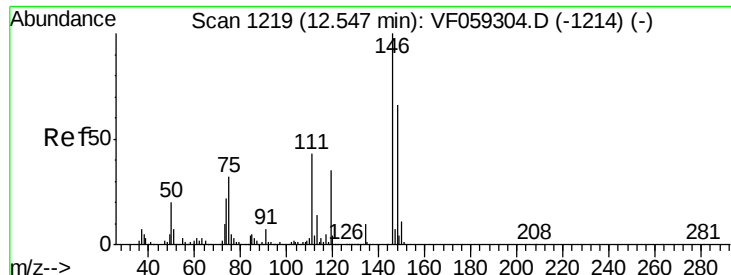
Tot Ion:117 Resp: 314634
Ion Ratio Lower Upper
117 100
82 61.1 44.6 66.8
119 32.1 24.1 36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059461.D
Acq: 6 Jul 2018 20:35

Tgt Ion:152 Resp: 212597
Ion Ratio Lower Upper
152 100
115 53.7 27.1 81.3
150 156.0 0.0 305.2





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VF059461.D

Acq: 6 Jul 2018 20:35

Instrument :

MSVOA_F

ClientSampleId :

GF-G-6

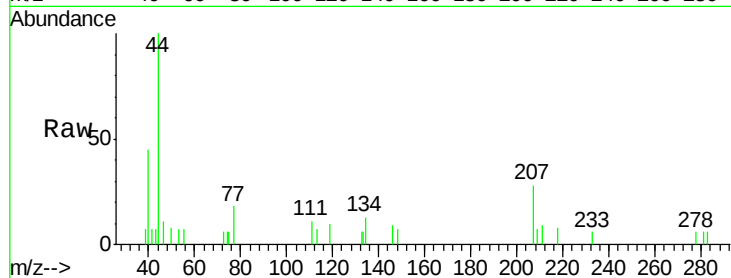
Tot Ion:146 Resp: 93

Ion Ratio Lower Upper

146 100

111 119.7 21.4 64.2#

148 84.7 32.8 98.4



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

