

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
 Data File : VF059421.D
 Acq On : 3 Jul 2018 19:25
 Operator : VA/AP
 Sample : J3845-05
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GF-G-1

Quant Time: Jul 04 00:13:44 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

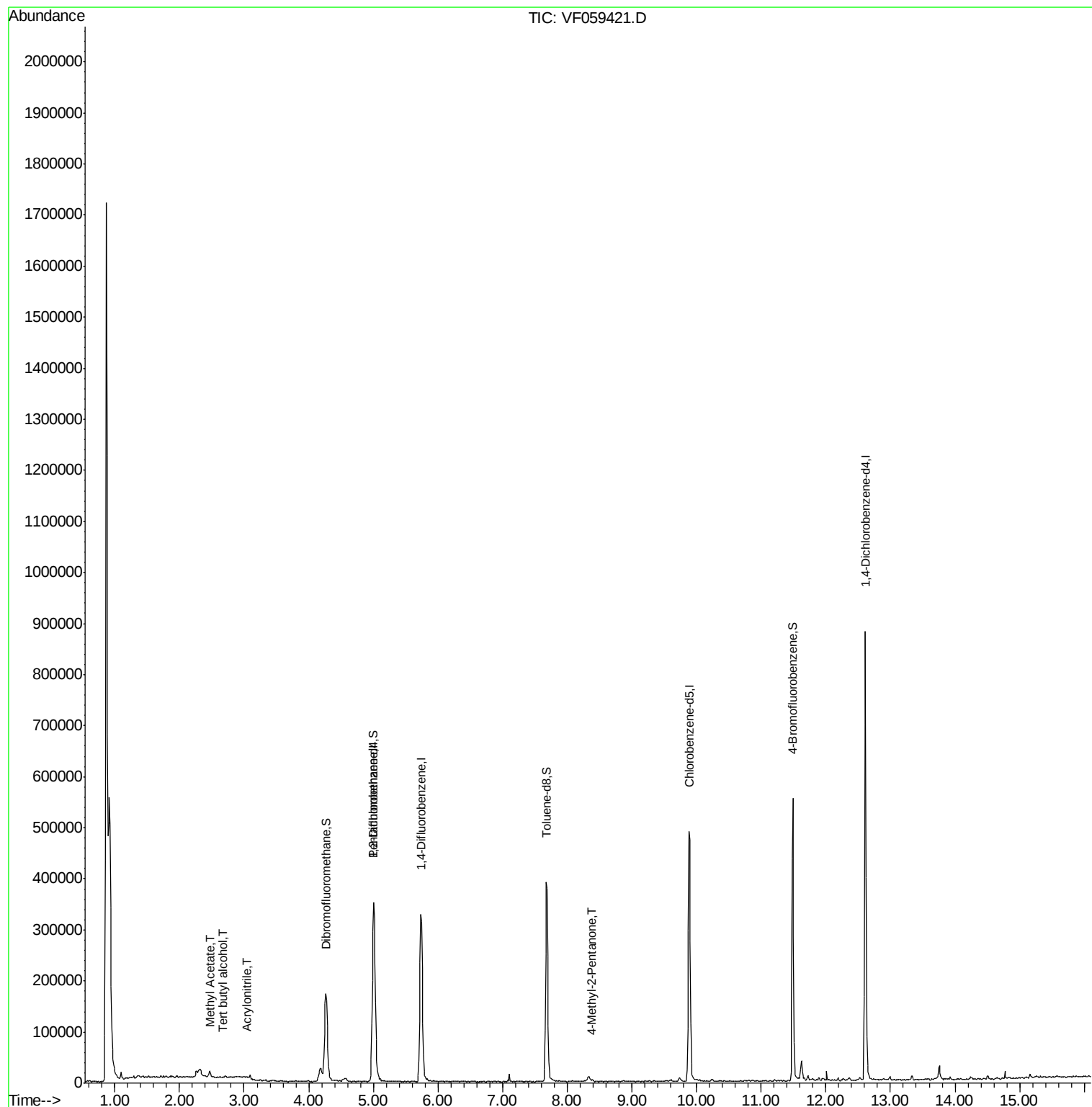
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	225946	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	337988	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	343686	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	219697	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	169117	57.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	115.86%	
35) Dibromofluoromethane	4.27	113	150033	60.75	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	121.50%	
50) Toluene-d8	7.68	98	327888	53.63	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.26%	
62) 4-Bromofluorobenzene	11.49	95	185619	53.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.64%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.38	94	461	Below Cal		82
11) Tert butyl alcohol	2.68	59	1091	5.614 ug/l #		36
13) Acrolein	1.93	56	670	Below Cal		85
15) Acrylonitrile	3.03	53	442	1.292 ug/l #		28
16) Acetone	2.32	43	7252	Below Cal #		90
18) Methyl Acetate	2.46	43	5056	2.737 ug/l #		76
20) Methylene Chloride	2.26	84	4845	Below Cal #		87
25) 2-Butanone	4.50	43	2053	Below Cal #		84
28) Bromochloromethane	3.86	49	93	Below Cal #		6
29) Tetrahydrofuran	4.23	42	636	Below Cal #		55
37) Ethyl Acetate	4.27	43	471	Below Cal #		63
49) 1,4-Dioxane	6.86	88	122	Below Cal #		1
51) 4-Methyl-2-Pentanone	8.39	43	2581	1.417 ug/l		98
59) 2-Hexanone	9.61	43	1791	Below Cal		80
87) 1,3-Dichlorobenzene	12.54	146	1217	Below Cal #		73

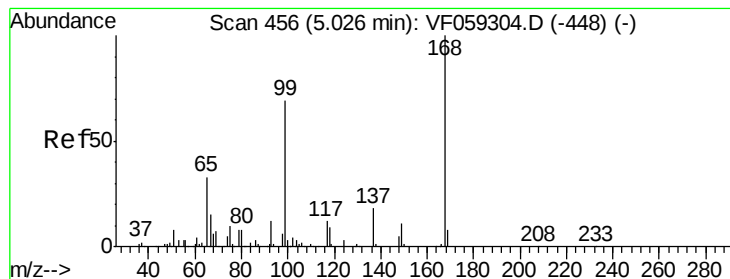
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
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Quant Time: Jul 04 00:13:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
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# 455

Delta R.T. -0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

Instrument :

MSVOA_F

ClientSampled :

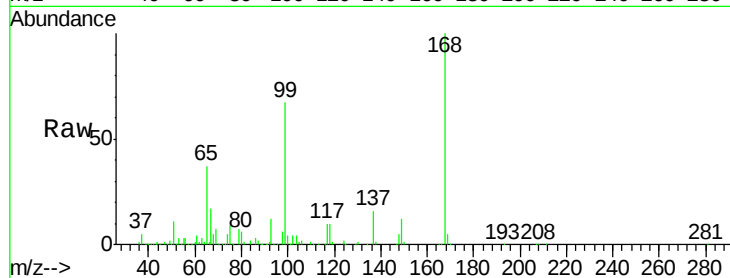
GF-G-1

Tgt Ion:168 Resp: 225946

Ion Ratio Lower Upper

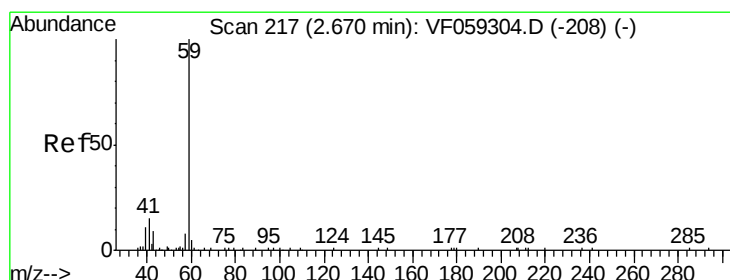
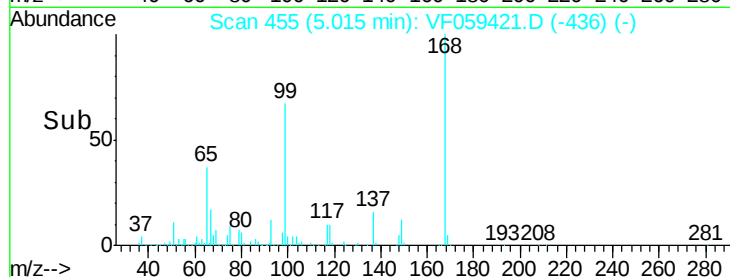
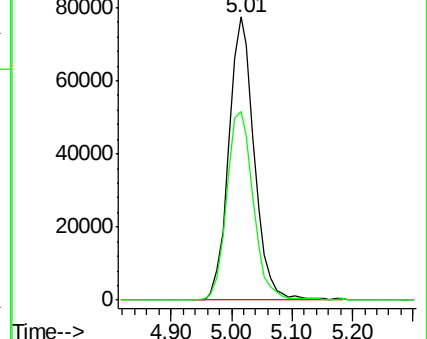
168 100

99 66.6 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: 5.614 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059421.D

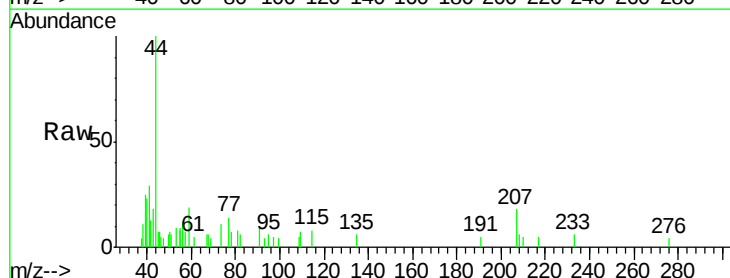
Acq: 3 Jul 2018 19:25

Tgt Ion: 59 Resp: 1091

Ion Ratio Lower Upper

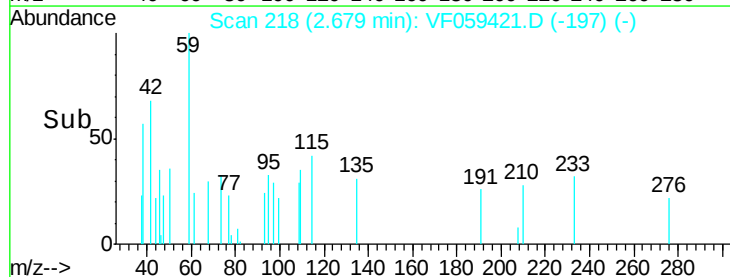
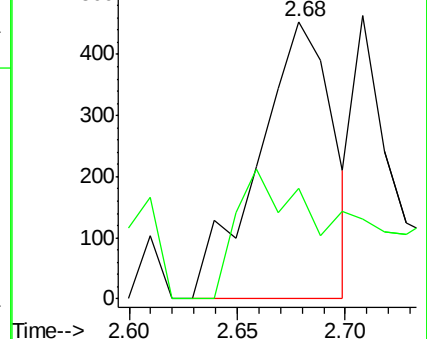
59 100

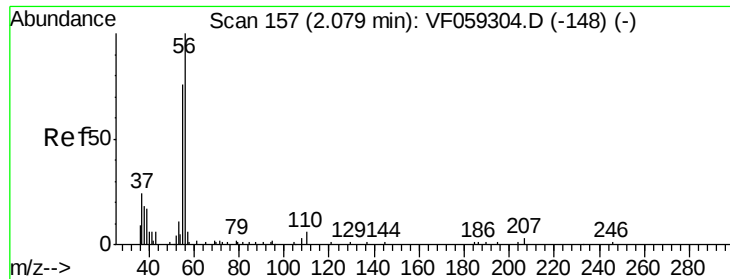
57 39.6 11.0 16.4#



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: 1.93 min Scan# 142

Delta R.T. -0.15 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

Instrument :

MSVOA_F

ClientSampled :

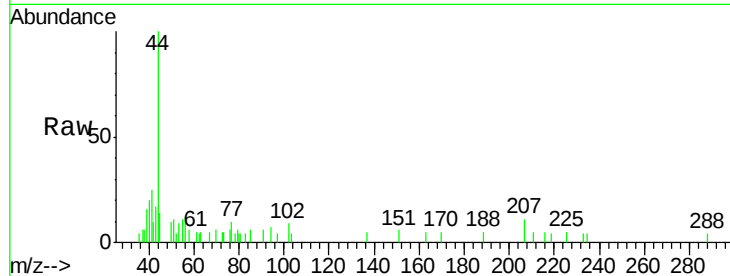
GF-G-1

Tgt Ion: 56 Resp: 670

Ion Ratio Lower Upper

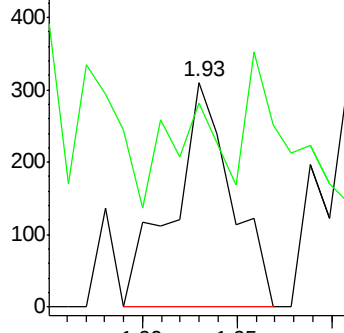
56 100

55 91.0 62.4 93.6

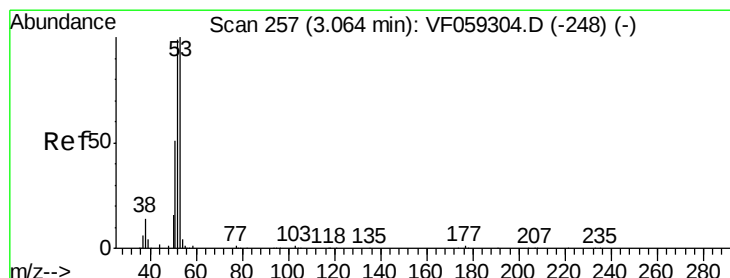
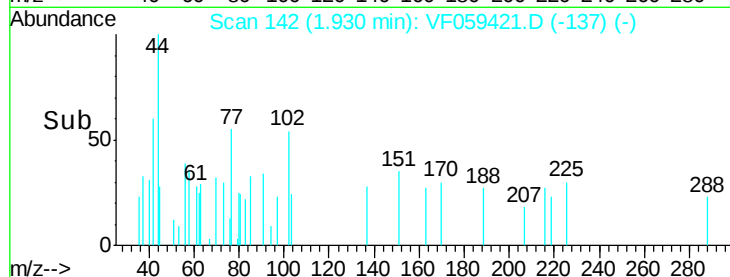


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 1.292 ug/l

RT: 3.03 min Scan# 254

Delta R.T. -0.03 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

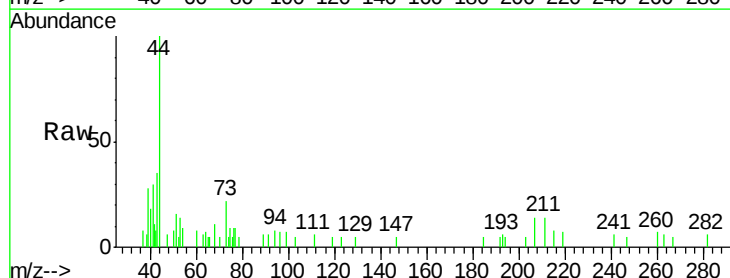
Tgt Ion: 53 Resp: 442

Ion Ratio Lower Upper

53 100

52 37.0 79.2 118.8#

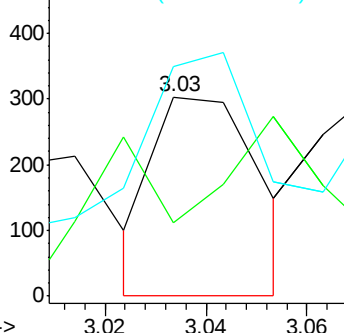
51 115.2 40.9 61.3#



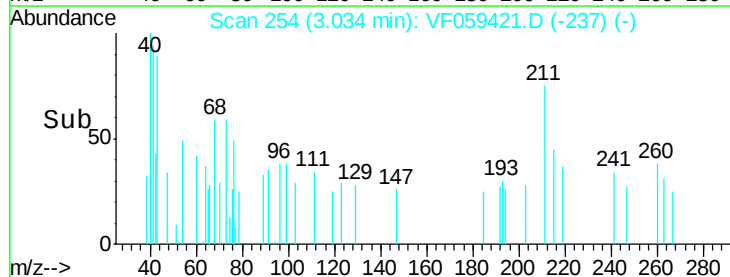
Abundance Ion 53.00 (52.70 to 53.70): VF0

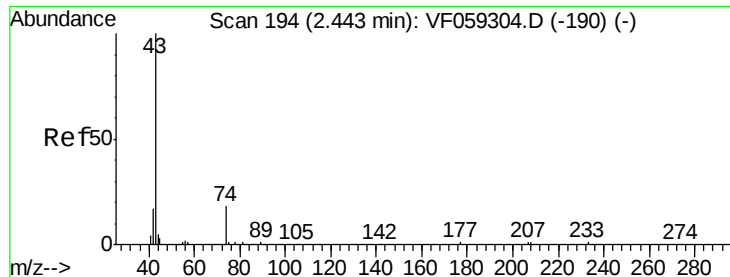
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->

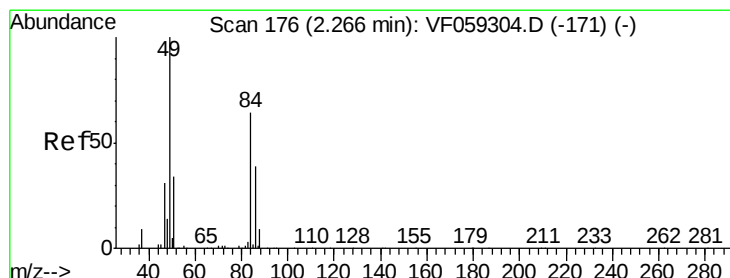
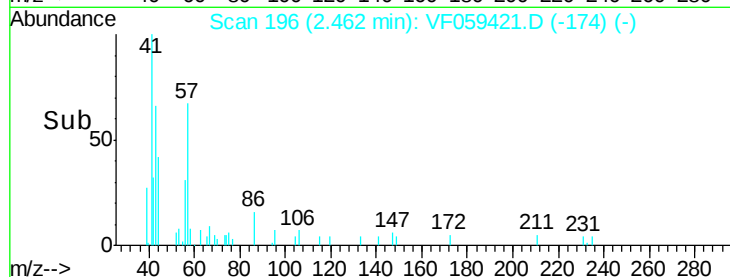
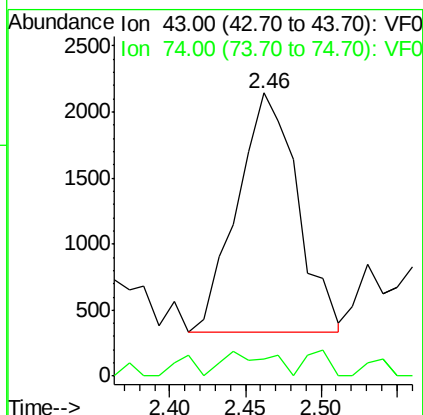
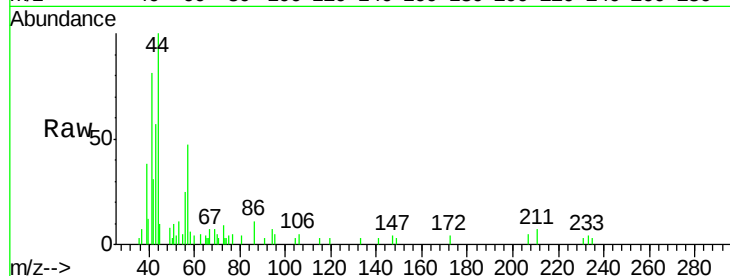




#18
Methyl Acetate
Concen: 2.737 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059421.D
Acq: 3 Jul 2018 19:25

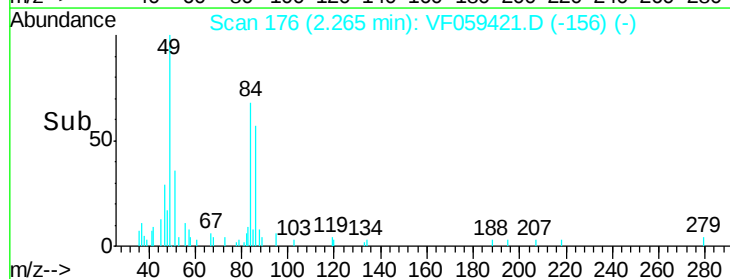
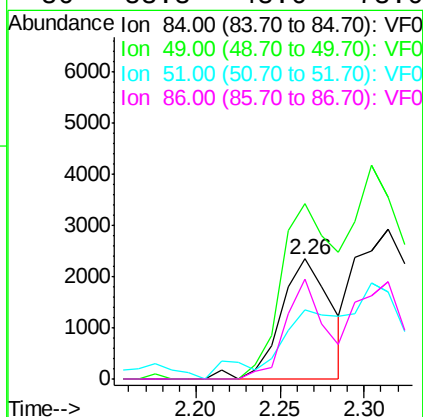
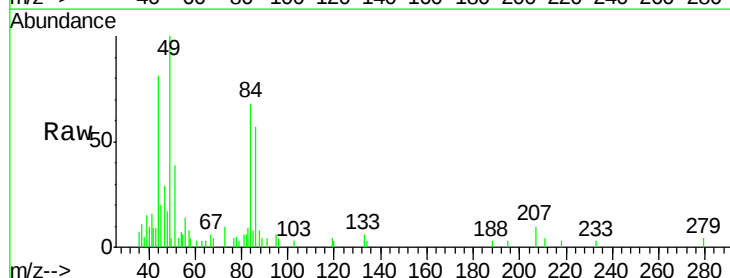
Instrument :
MSVOA_F
ClientSampleID :
GF-G-1

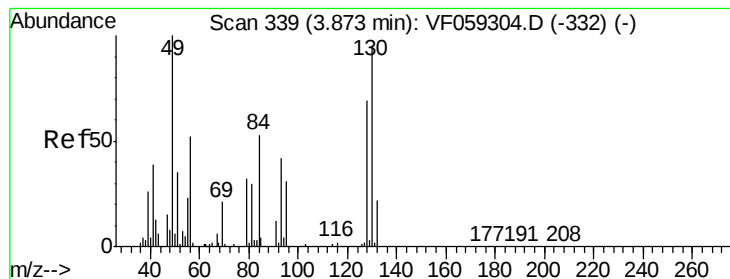
Tgt Ion: 43 Resp: 5056
Ion Ratio Lower Upper
43 100
74 6.1 13.3 19.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059421.D
Acq: 3 Jul 2018 19:25

Tgt Ion: 84 Resp: 4845
Ion Ratio Lower Upper
84 100
49 146.2 126.5 189.7
51 57.5 42.9 64.3
86 83.3 48.6 73.0#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

Instrument :

MSVOA_F

ClientSampled :

GF-G-1

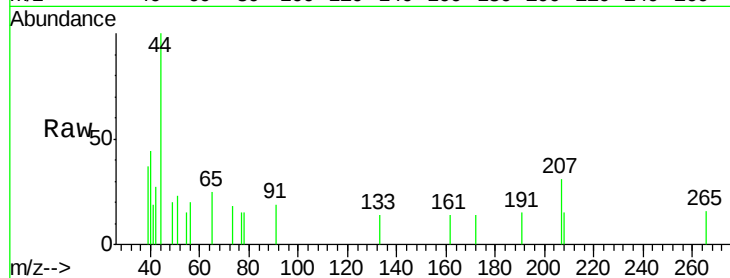
Tgt Ion: 49 Resp: 93

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

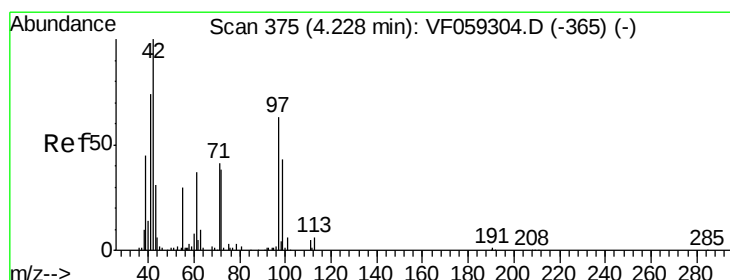
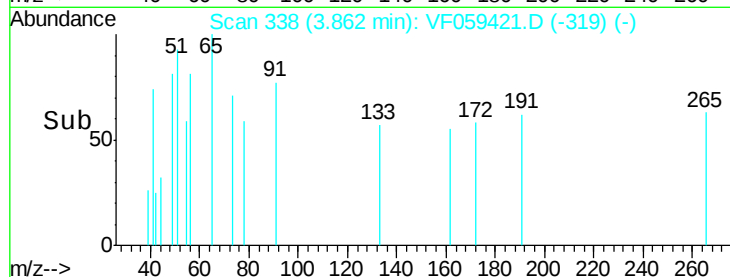
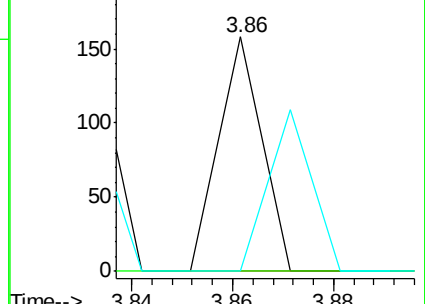
130 0.0 75.1 112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): VF0

Ion 130.00 (129.70 to 130.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.23 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

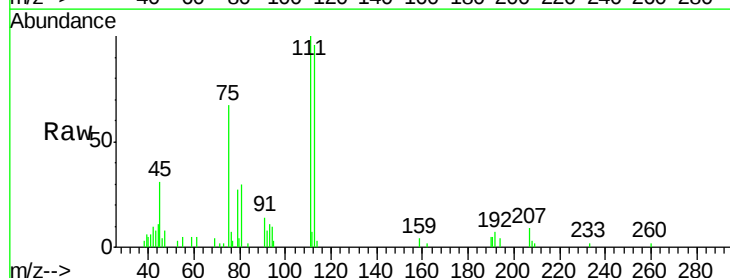
Tgt Ion: 42 Resp: 636

Ion Ratio Lower Upper

42 100

72 24.5 30.5 45.7#

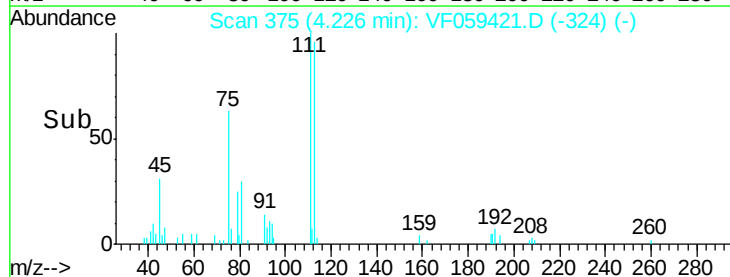
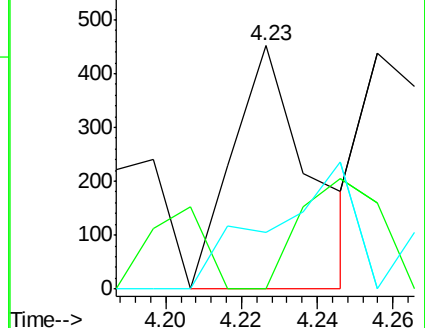
71 0.0 32.5 48.7#

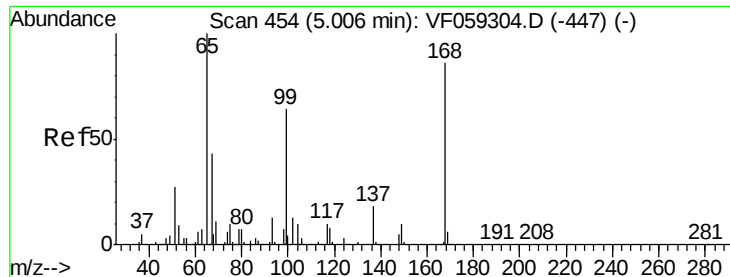


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 57.933 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

Instrument :

MSVOA_F

ClientSampleId :

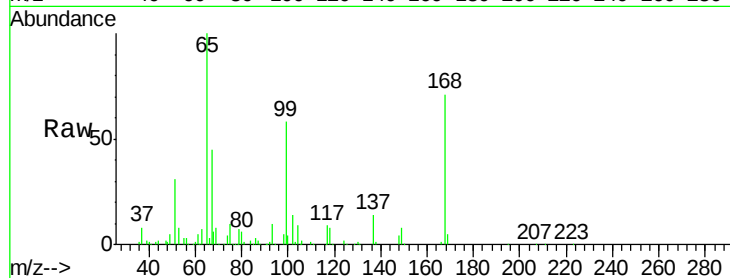
GF-G-1

Tgt Ion: 65 Resp: 169117

Ion Ratio Lower Upper

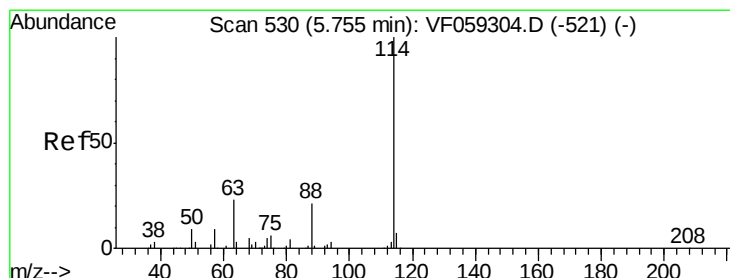
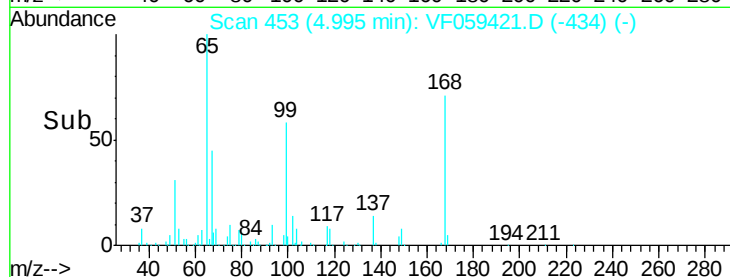
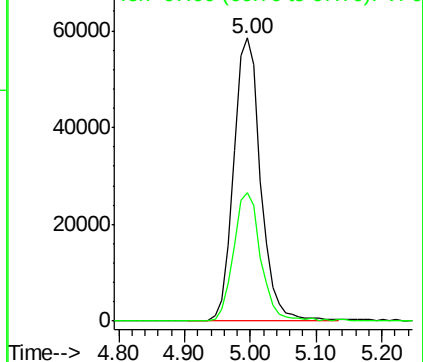
65 100

67 45.3 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

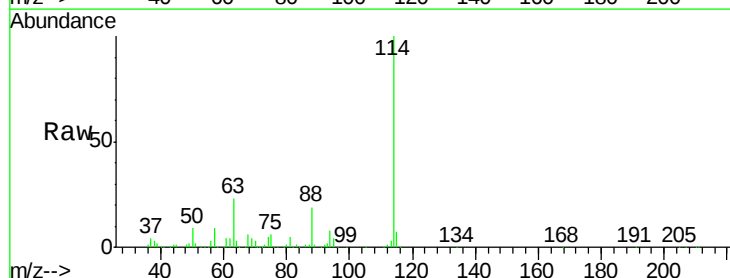
Tgt Ion: 114 Resp: 337988

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.8

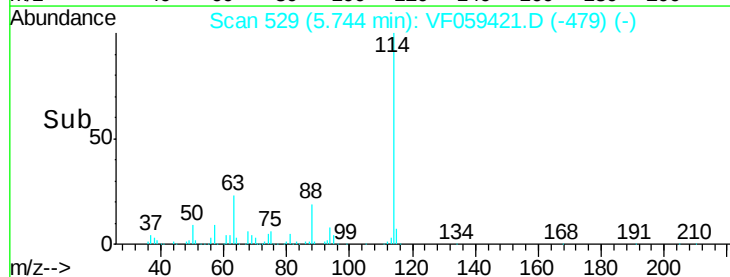
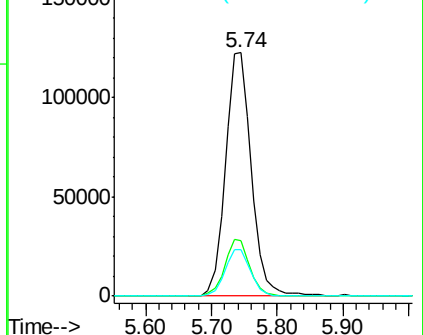
88 19.1 0.0 41.2

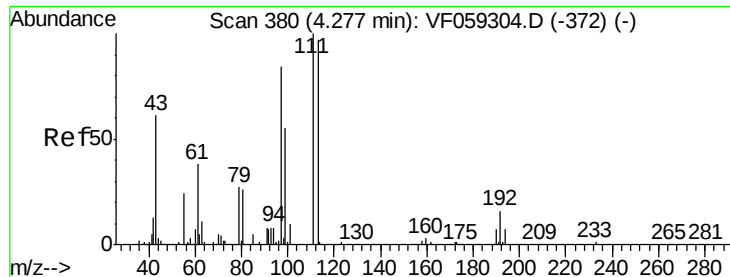


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

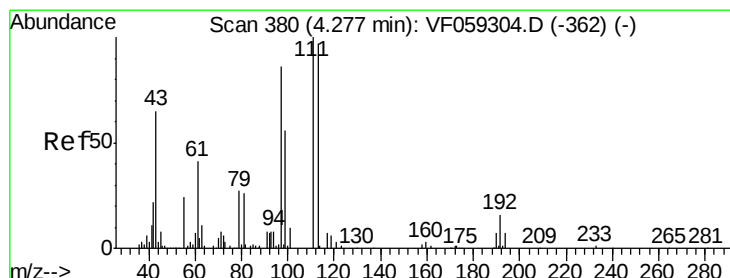
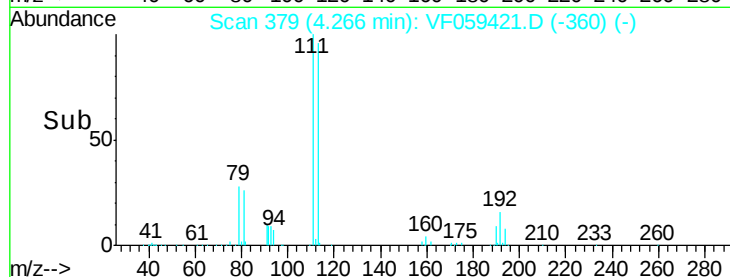
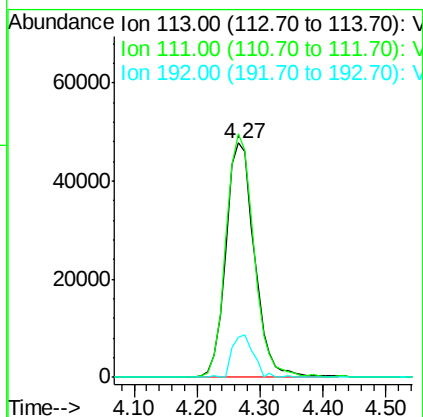
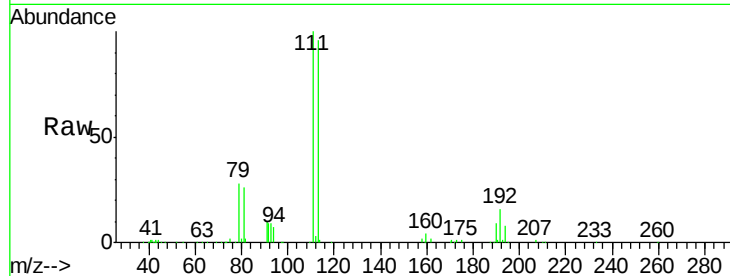




#35
Dibromofluoromethane
Concen: 60.753 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059421.D
Acq: 3 Jul 2018 19:25

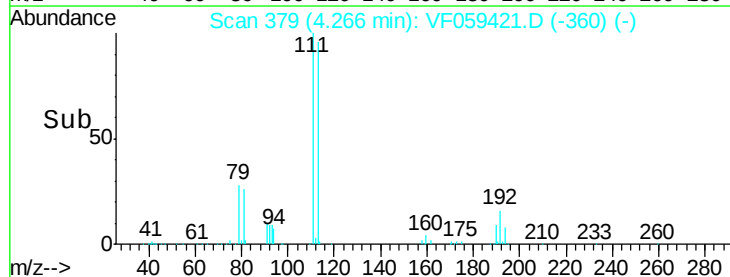
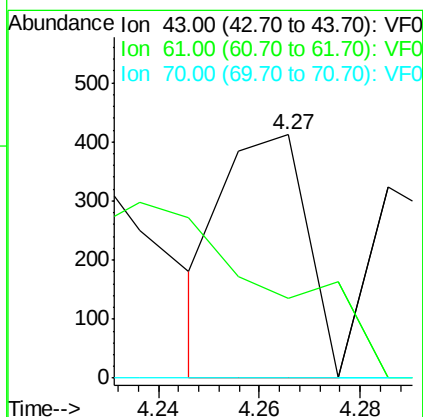
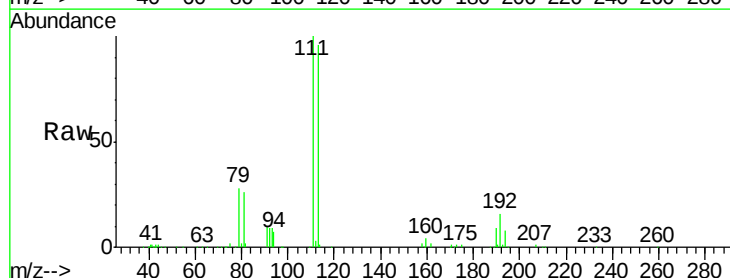
Instrument :
MSVOA_F
ClientSampleId :
GF-G-1

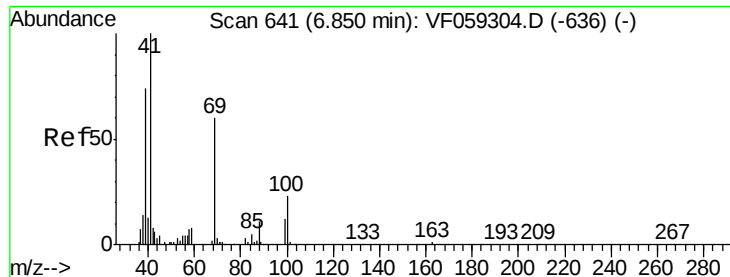
Tgt Ion:113 Resp: 150033
Ion Ratio Lower Upper
113 100
111 104.0 82.1 123.1
192 16.9 13.0 19.6



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059421.D
Acq: 3 Jul 2018 19:25

Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
61 32.8 50.1 75.1#
70 0.0 6.2 9.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

Instrument :

MSVOA_F

ClientSampled :

GF-G-1

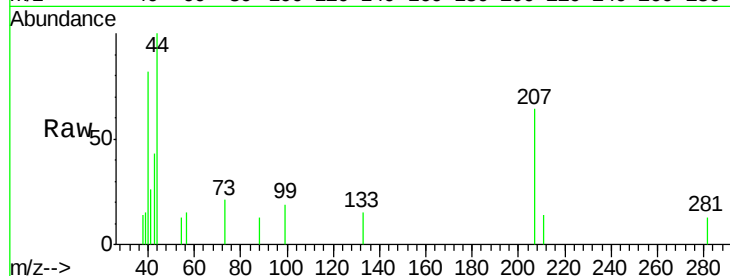
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 327.6 50.6 75.8#

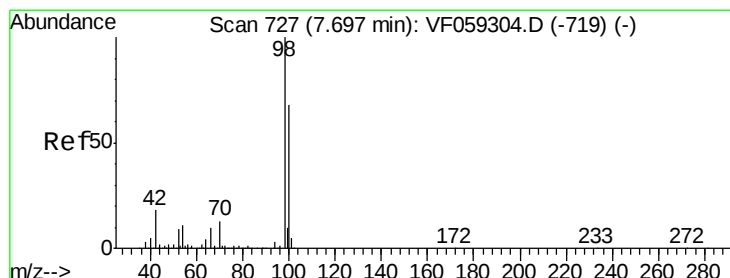
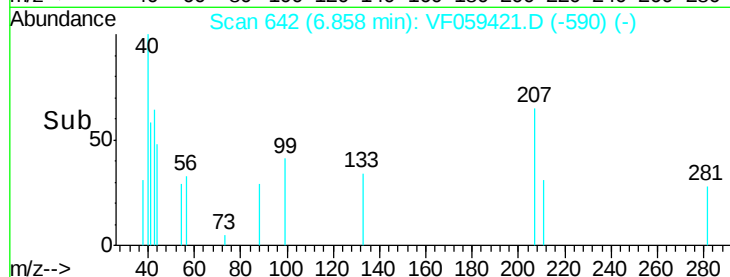
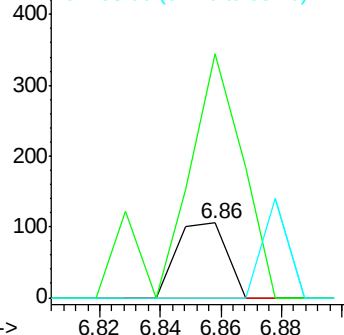
58 0.0 46.6 69.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 53.626 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF059421.D

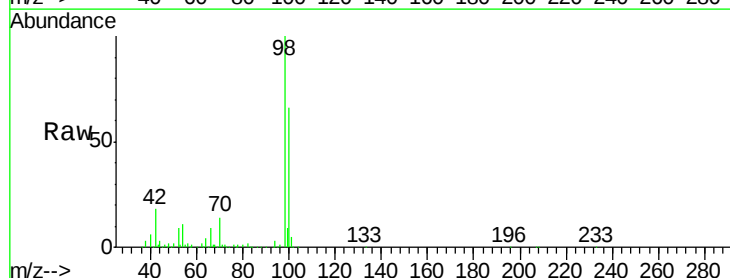
Acq: 3 Jul 2018 19:25

Tgt Ion: 98 Resp: 327888

Ion Ratio Lower Upper

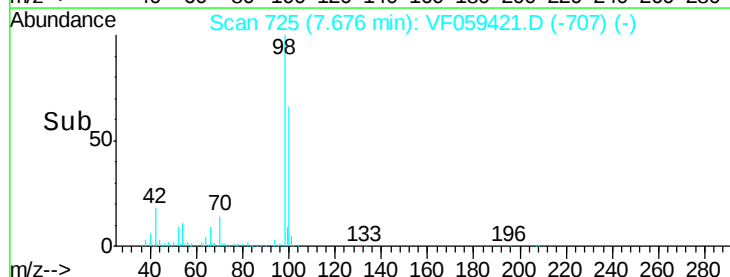
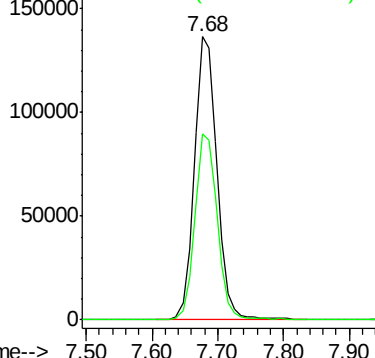
98 100

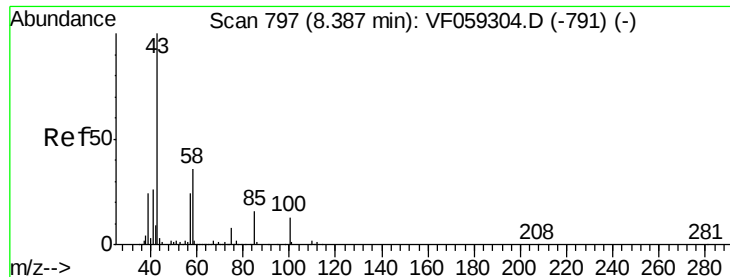
100 65.9 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.417 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

Instrument :

MSVOA_F

ClientSampled :

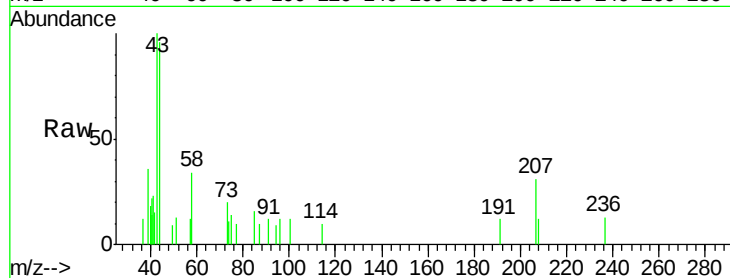
GF-G-1

Tgt Ion: 43 Resp: 2581

Ion Ratio Lower Upper

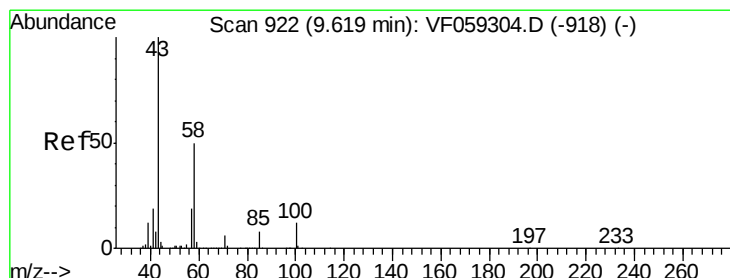
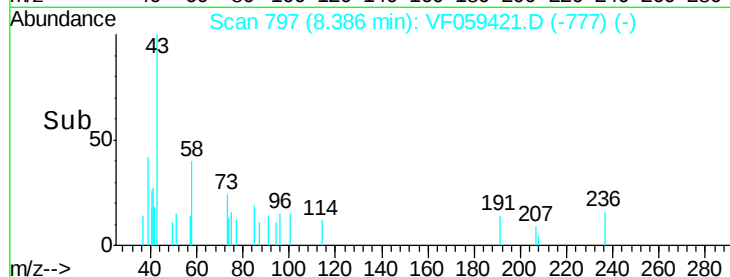
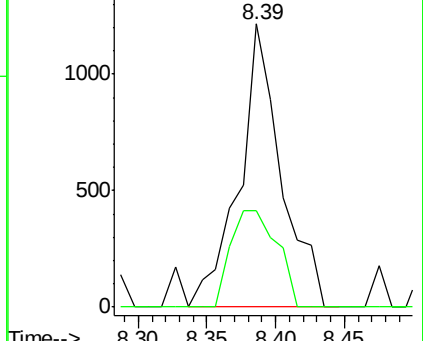
43 100

58 34.2 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: Below Cal

RT: 9.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: VF059421.D

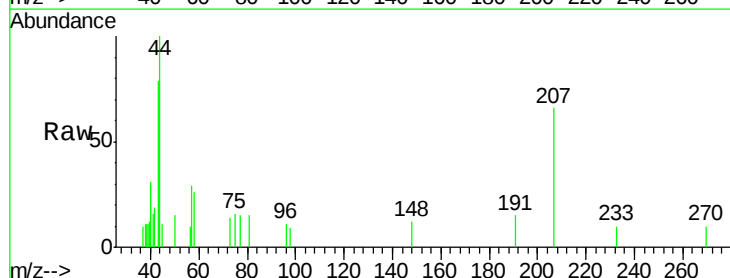
Acq: 3 Jul 2018 19:25

Tgt Ion: 43 Resp: 1791

Ion Ratio Lower Upper

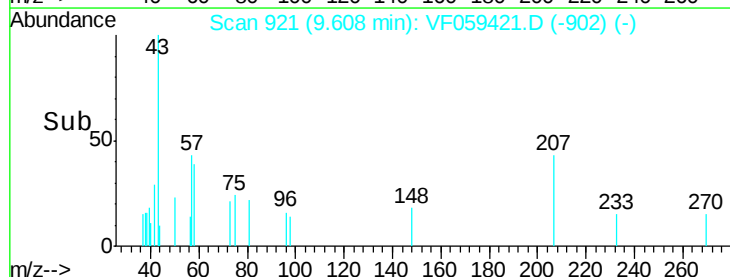
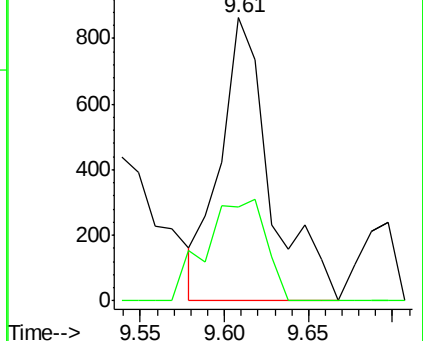
43 100

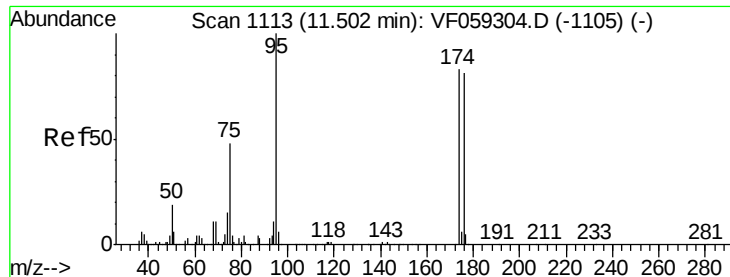
58 33.1 23.3 69.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 53.817 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

Instrument :

MSVOA_F

ClientSampled :

GF-G-1

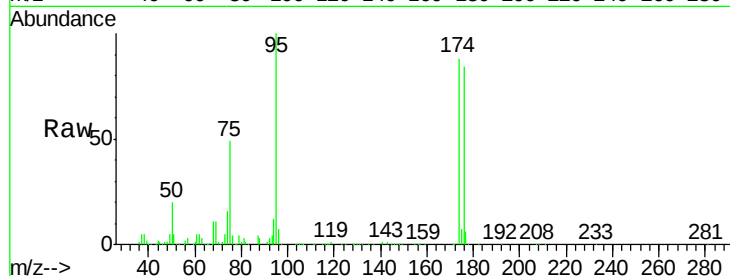
Tgt Ion: 95 Resp: 185619

Ion Ratio Lower Upper

95 100

174 87.9 0.0 165.2

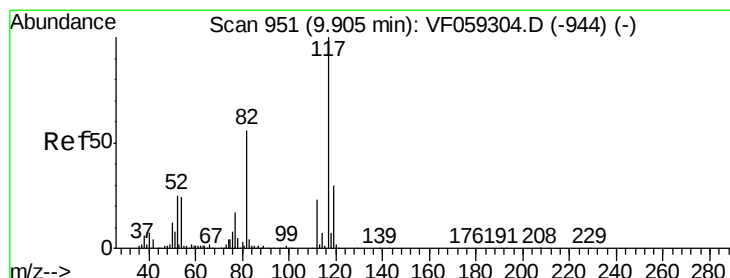
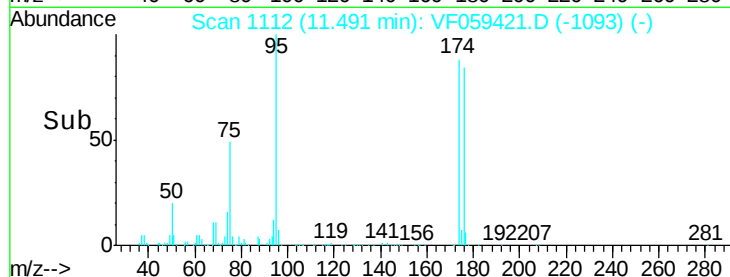
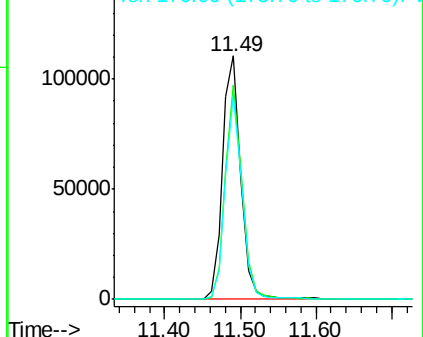
176 83.9 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

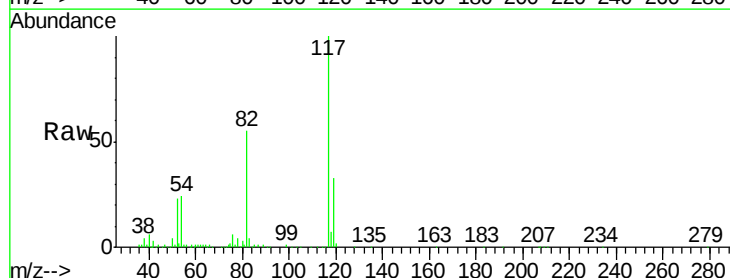
Tgt Ion: 117 Resp: 343686

Ion Ratio Lower Upper

117 100

82 55.1 44.6 66.8

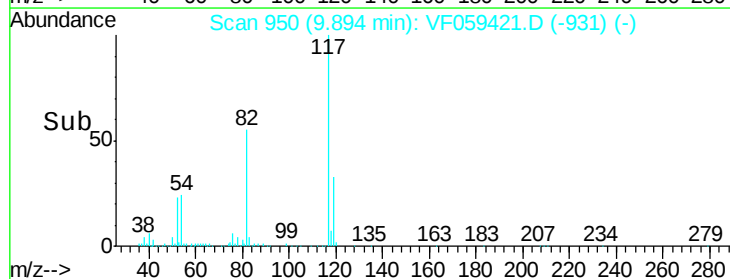
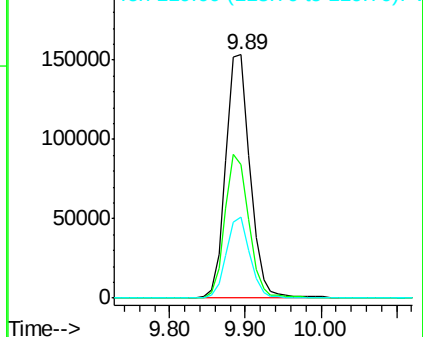
119 33.4 24.1 36.1

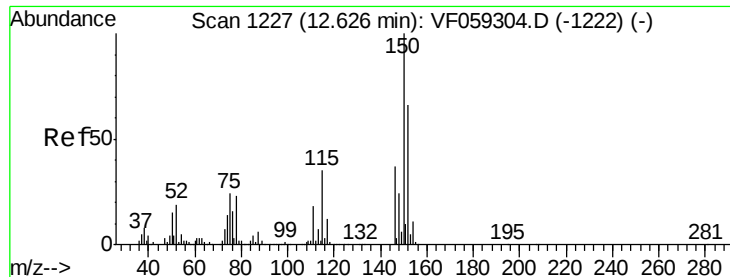


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

Instrument :

MSVOA_F

ClientSampleId :

GF-G-1

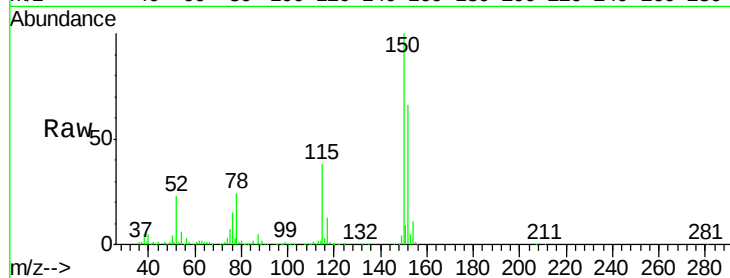
Tgt Ion:152 Resp: 219697

Ion Ratio Lower Upper

152 100

115 57.5 27.1 81.3

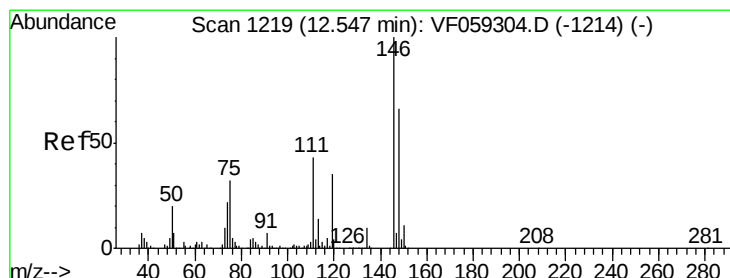
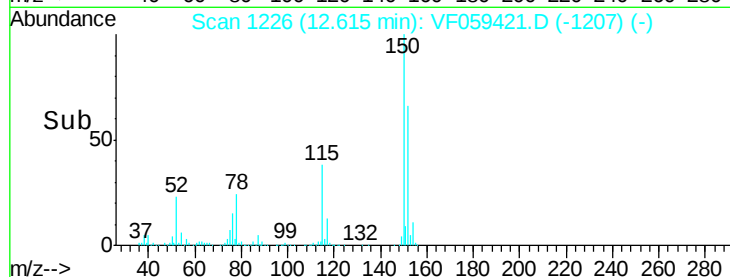
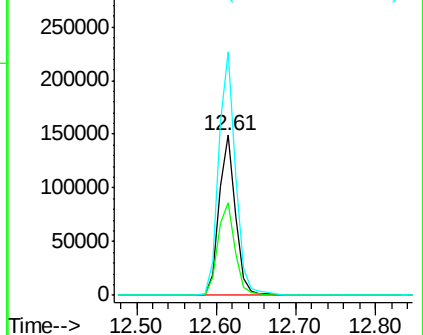
150 152.3 0.0 305.2



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: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059421.D

Acq: 3 Jul 2018 19:25

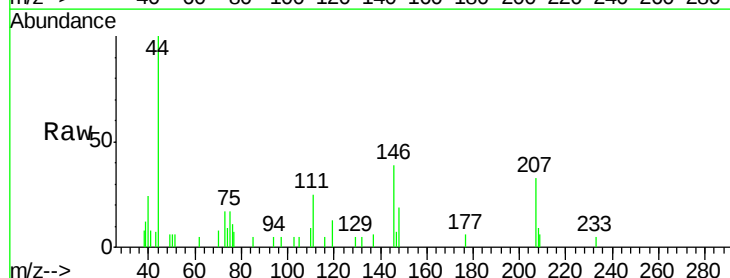
Tgt Ion:146 Resp: 1217

Ion Ratio Lower Upper

146 100

111 64.3 21.4 64.2#

148 48.1 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

