

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062671.D
 Acq On : 20 May 2019 20:09
 Operator : FY/SY
 Sample : K2905-06RE
 Misc : 3.12g/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GIS-1-4FTRE

Quant Time: May 21 02:02:48 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	855672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1523050	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1061400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	506594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	231548	38.29	ug/l	0.00
Spiked Amount			Recovery	=	76.58%	
35) Dibromofluoromethane	4.32	113	443058	38.02	ug/l	0.00
Spiked Amount			Recovery	=	76.04%	
50) Toluene-d8	7.72	98	889062	31.95	ug/l	0.00
Spiked Amount			Recovery	=	63.90%	
62) 4-Bromofluorobenzene	11.50	95	296028	28.05	ug/l	0.00
Spiked Amount			Recovery	=	56.10%	

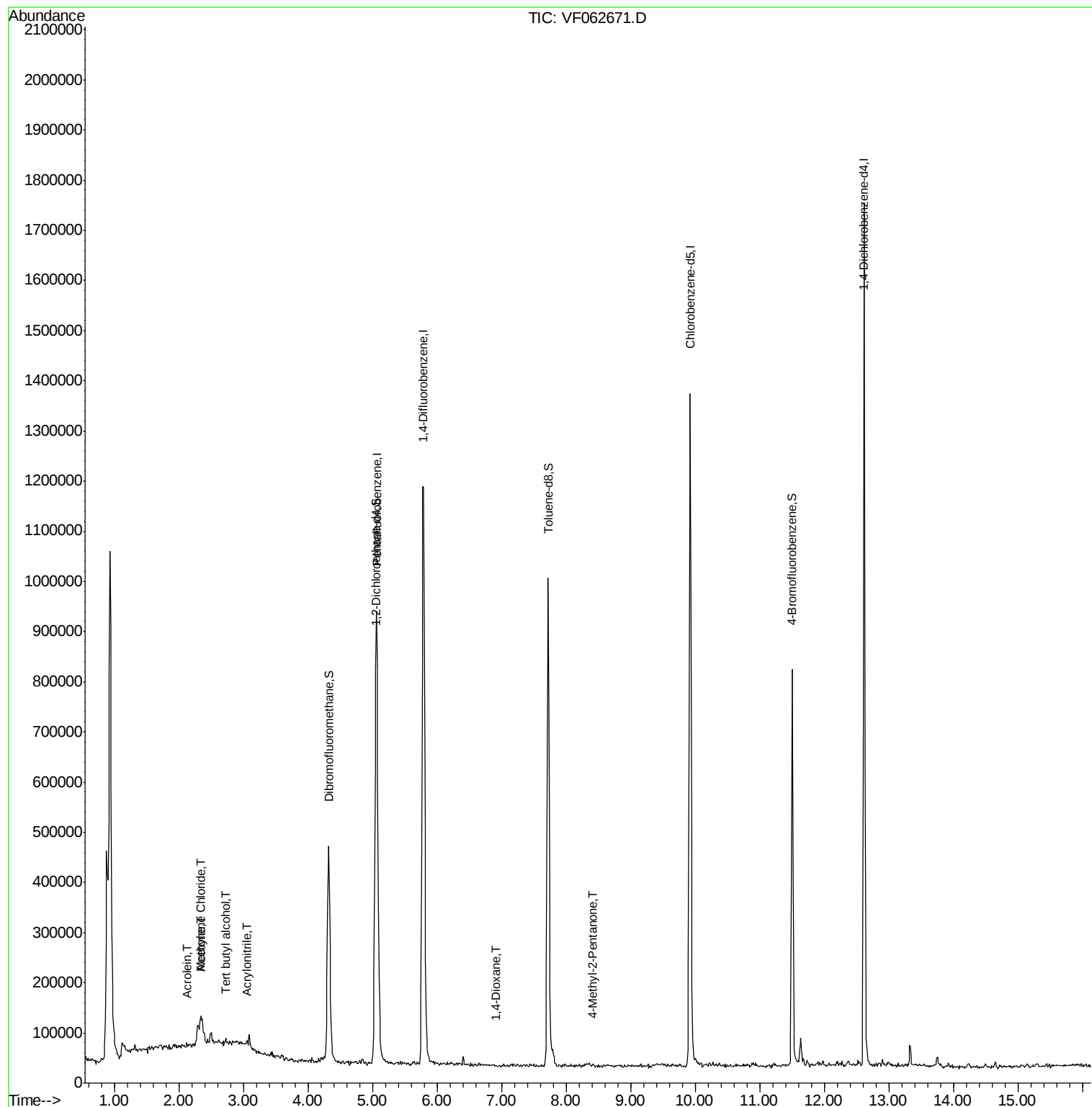
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.72	59	1905	4.772	ug/l #	1
13) Acrolein	2.12	56	904	2.169	ug/l #	66
15) Acrylonitrile	3.07	53	1524	1.353	ug/l #	68
16) Acetone	2.35	43	25829	16.465	ug/l	96
20) Methylene Chloride	2.34	84	43959	5.591	ug/l	93
49) 1,4-Dioxane	6.92	88	897	16.231	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	5988	1.061	ug/l	98
59) 2-Hexanone	9.63	43	3714	Below Cal	#	57
74) N-amyl acetate	11.47	43	1089	Below Cal	#	79

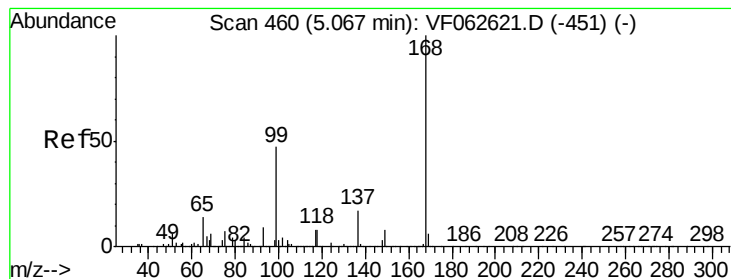
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052019\
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GIS-1-4FTRE

Quant Time: May 21 02:02:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

Instrument :

MSVOA_F

ClientSampleId :

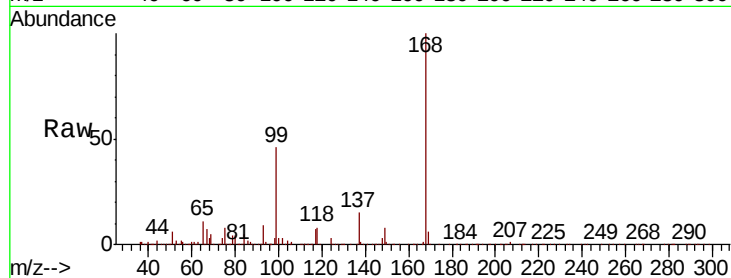
GIS-1-4FTRE

Tot Ion:168 Resp: 855672

Ion Ratio Lower Upper

168 100

99 46.0 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

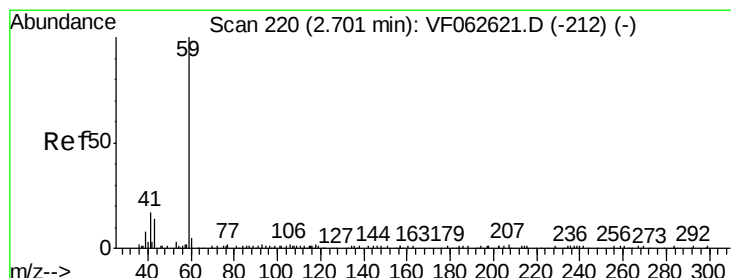
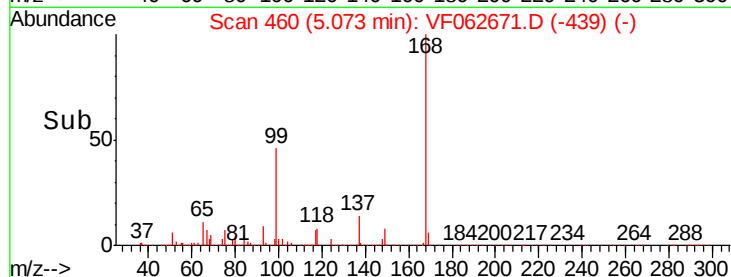
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.772 ug/l

RT: 2.72 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF062671.D

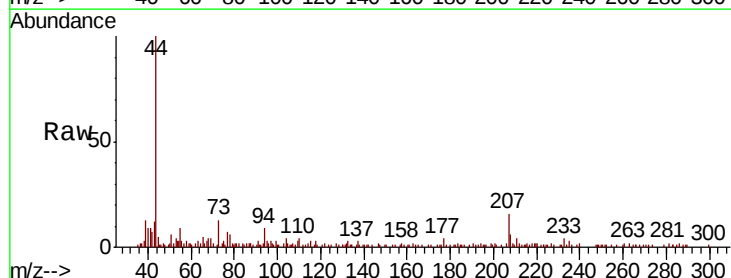
Acq: 20 May 2019 20:09

Tgt Ion: 59 Resp: 1905

Ion Ratio Lower Upper

59 100

57 60.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

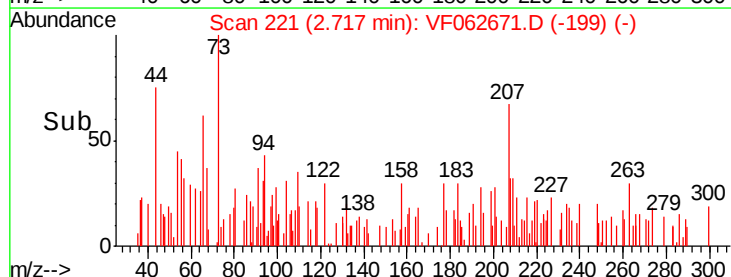
600

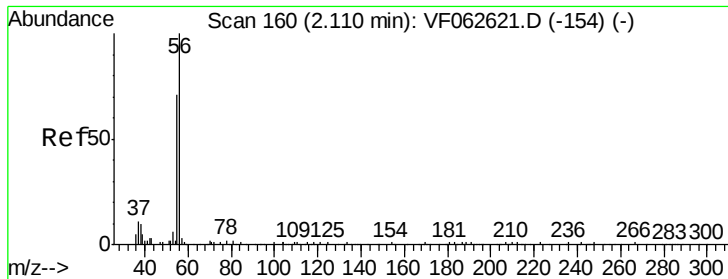
400

200

0

Time-->





#13

Acrolein

Concen: 2.169 ug/l

RT: 2.12 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

Instrument :

MSVOA_F

ClientSampleId :

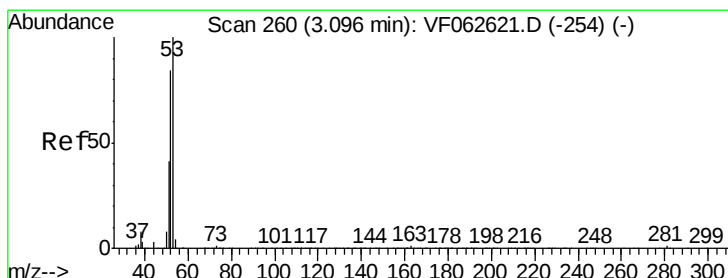
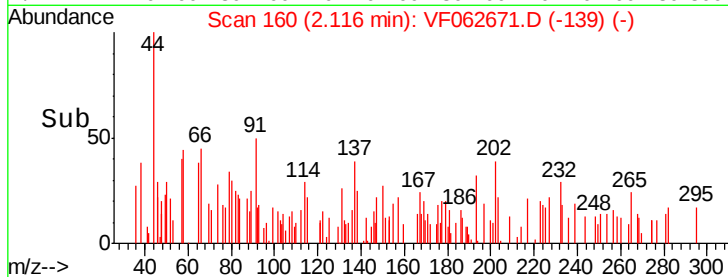
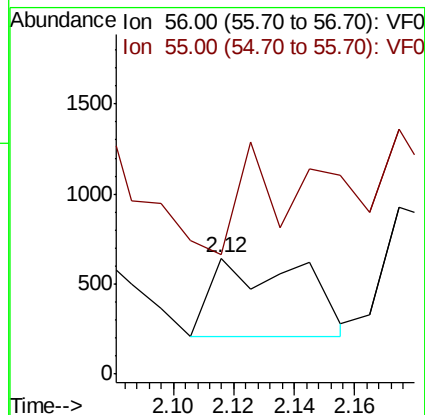
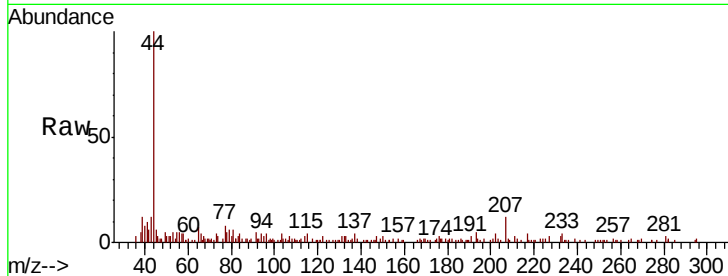
GIS-1-4FTRE

Tot Ion: 56 Resp: 904

Ion Ratio Lower Upper

56 100

55 103.1 59.4 89.0#



#15

Acrylonitrile

Concen: 1.353 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

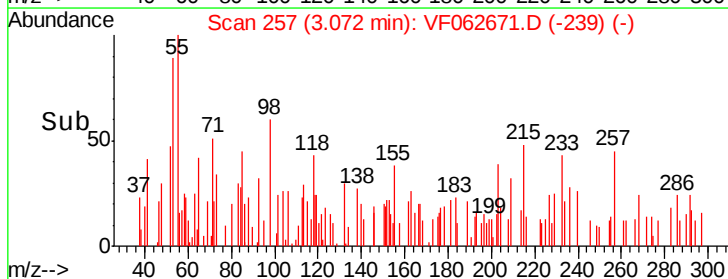
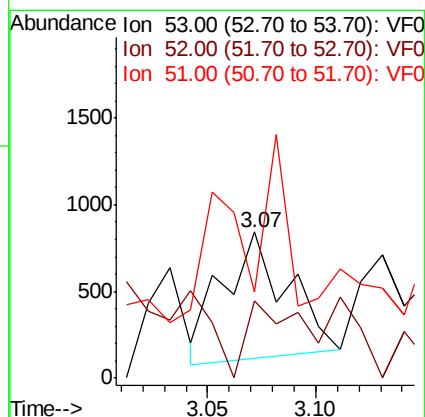
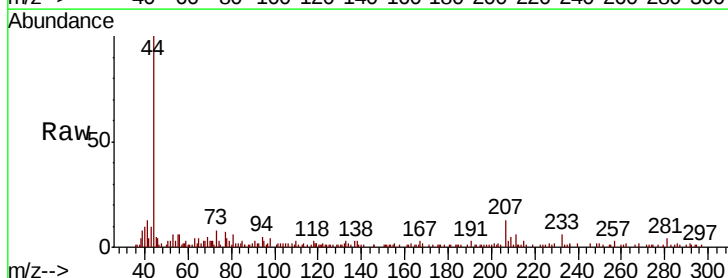
Tgt Ion: 53 Resp: 1524

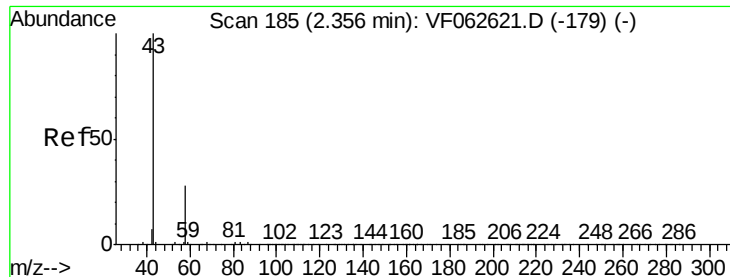
Ion Ratio Lower Upper

53 100

52 52.9 67.3 100.9#

51 59.1 33.0 49.6#





#16

Acetone

Concen: 16.465 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

Instrument :

MSVOA_F

ClientSampleId :

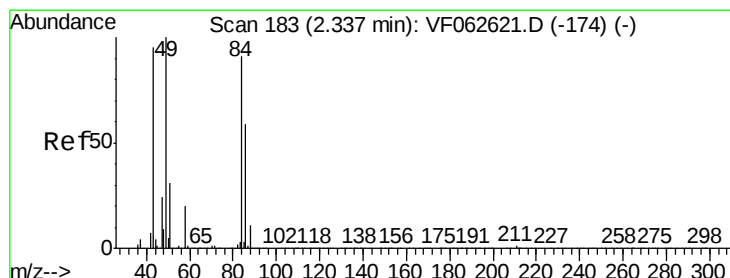
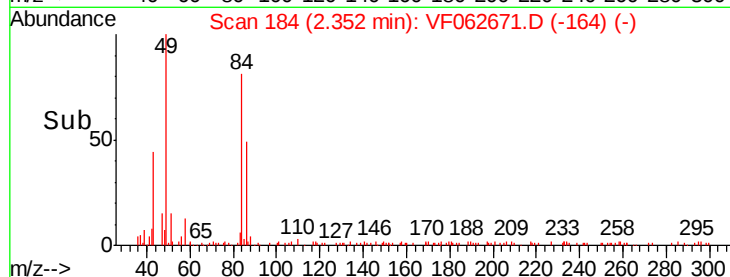
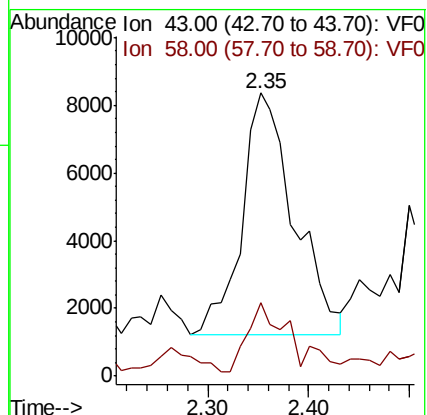
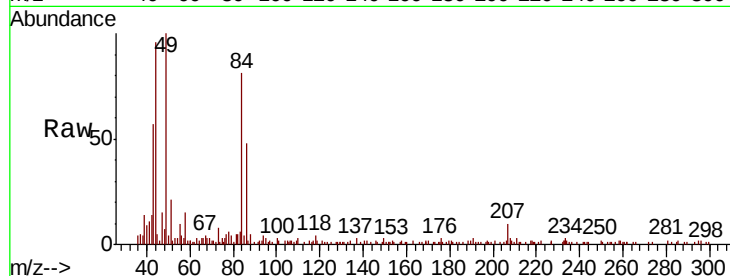
GIS-1-4FTRE

Tot Ion: 43 Resp: 25829

Ion Ratio Lower Upper

43 100

58 25.9 22.6 33.8



#20

Methylene Chloride

Concen: 5.591 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

Tgt Ion: 84 Resp: 43959

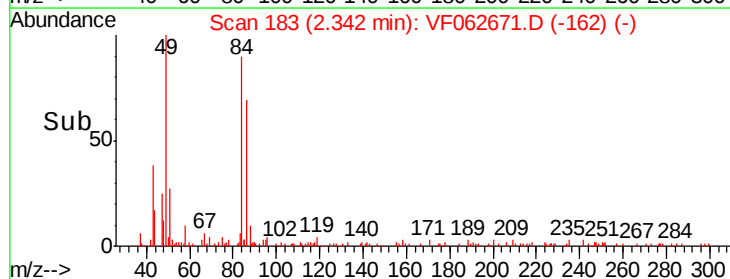
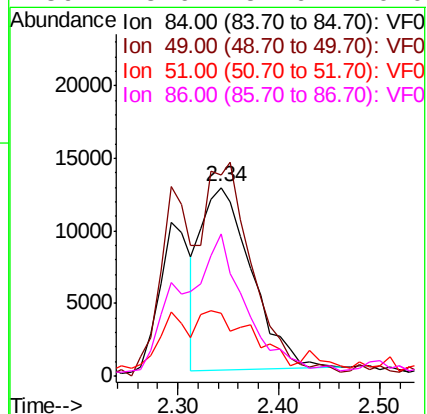
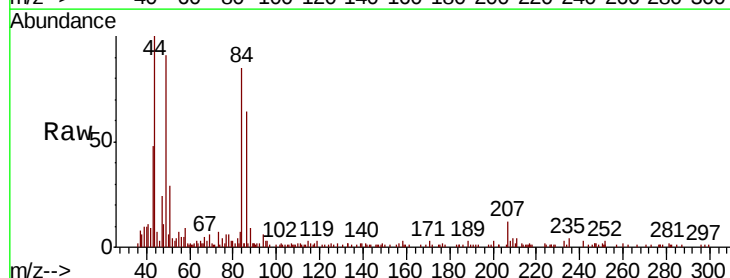
Ion Ratio Lower Upper

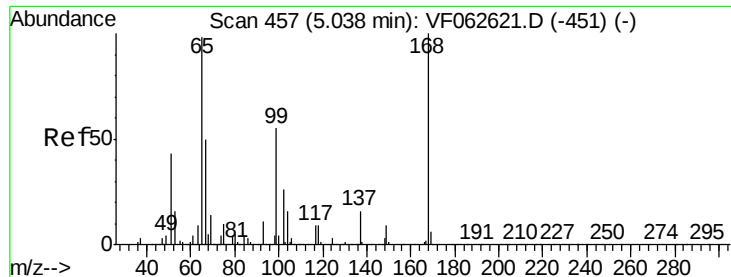
84 100

49 107.0 89.8 134.8

51 33.6 28.4 42.6

86 75.6 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 38.294 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

Instrument :

MSVOA_F

ClientSampleId :

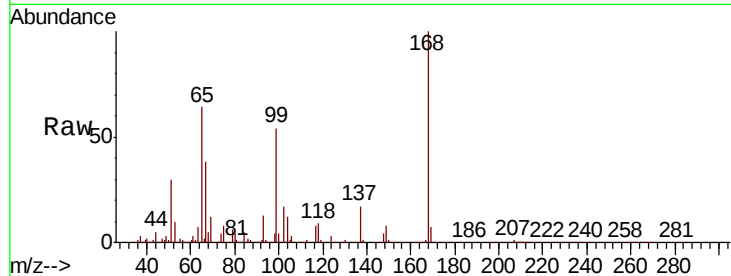
GIS-1-4FTRE

Tot Ion: 65 Resp: 231548

Ion Ratio Lower Upper

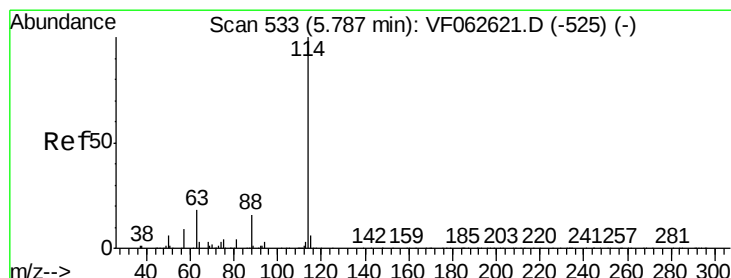
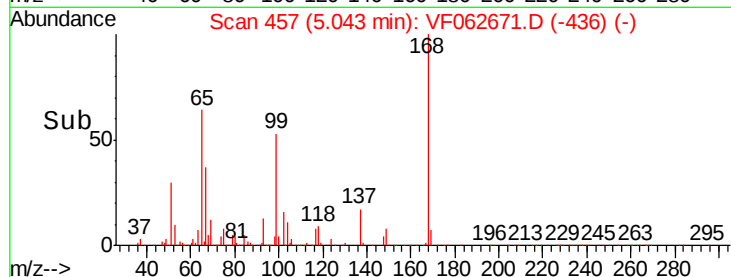
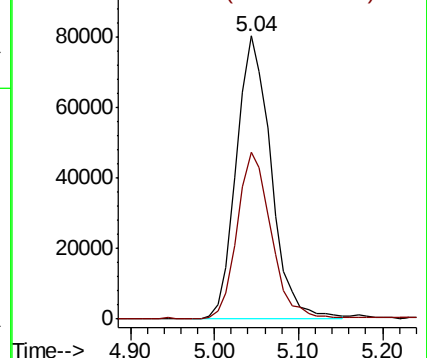
65 100

67 58.7 0.0 117.6



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: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

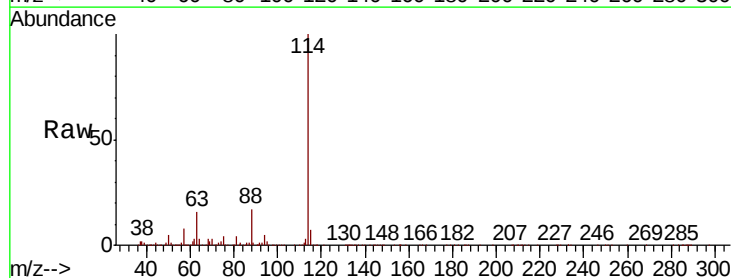
Tgt Ion:114 Resp: 1523050

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.4

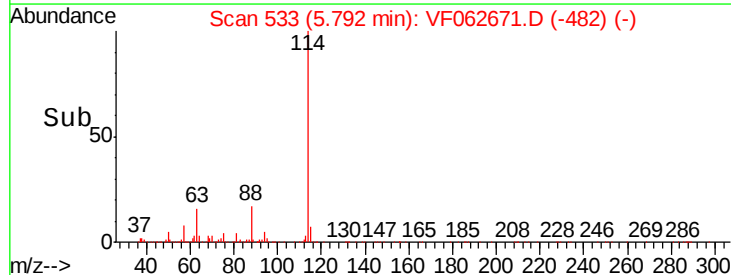
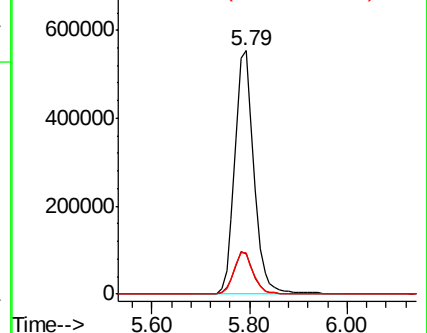
88 17.0 0.0 32.4

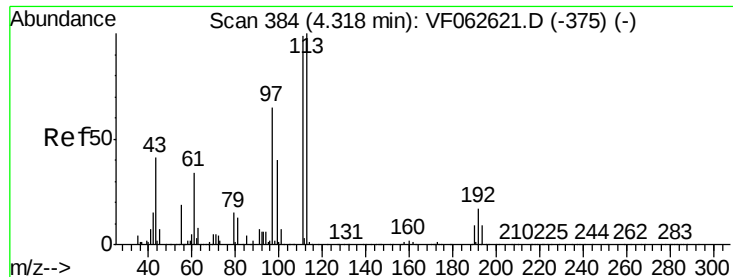


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

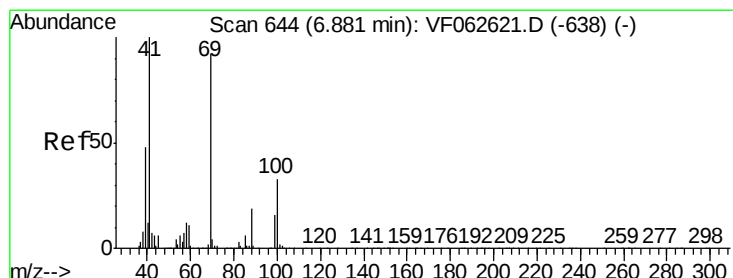
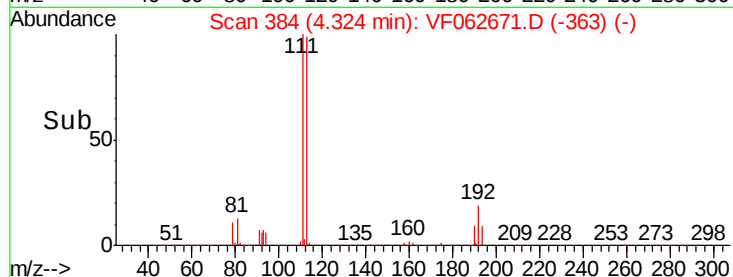
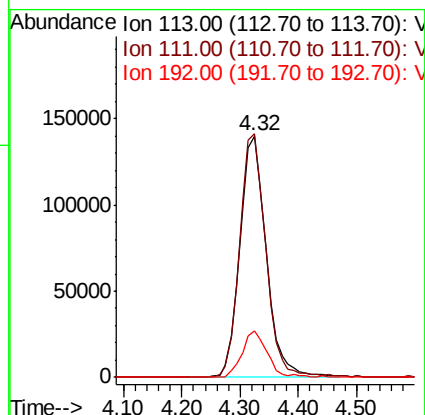
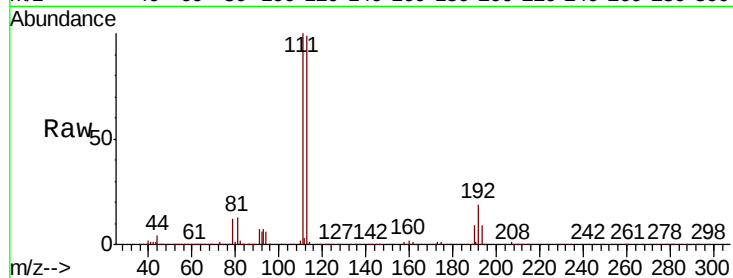




#35
 Dibromofluoromethane
 Concen: 38.016 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062671.D
 Acq: 20 May 2019 20:09

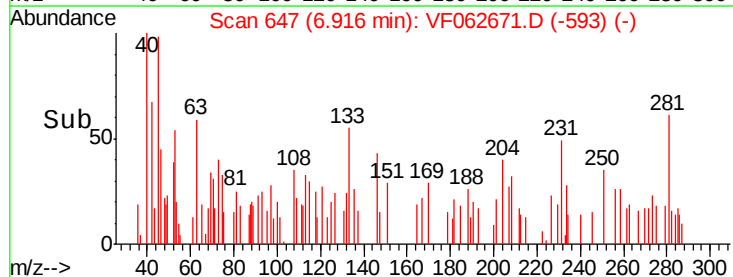
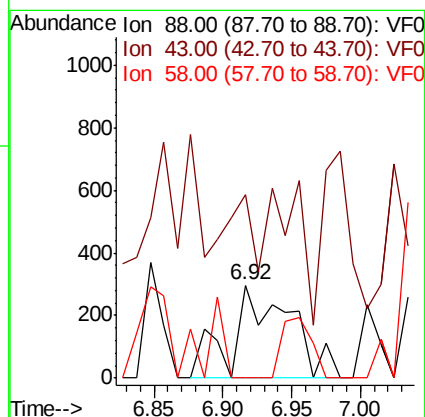
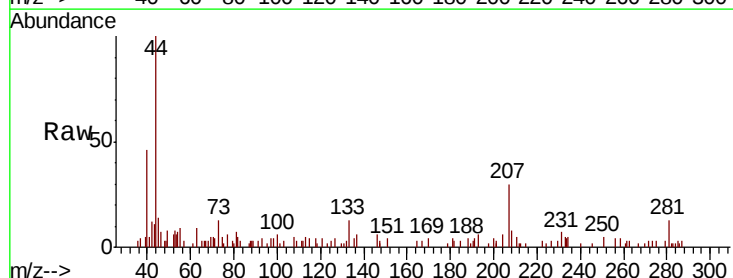
Instrument :
 MSVOA_F
 ClientSampleId :
 GIS-1-4FTRE

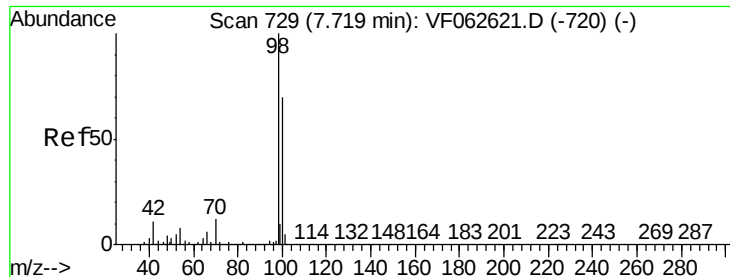
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	79.4	119.2
192	19.2	13.4	20.2



#49
 1,4-Dioxane
 Concen: 16.231 ug/l
 RT: 6.92 min Scan# 647
 Delta R.T. 0.04 min
 Lab File: VF062671.D
 Acq: 20 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
88	100		
43	198.0	30.0	45.0#
58	0.0	51.1	76.7#





#50

Toluene-d8

Concen: 31.950 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

Instrument :

MSVOA_F

ClientSampleId :

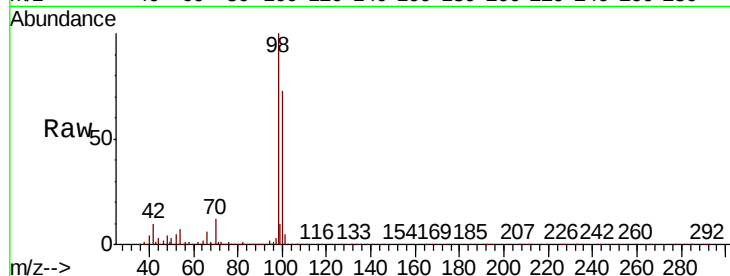
GIS-1-4FTRE

Tot Ion: 98 Resp: 889062

Ion Ratio Lower Upper

98 100

100 73.3 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.72

400000

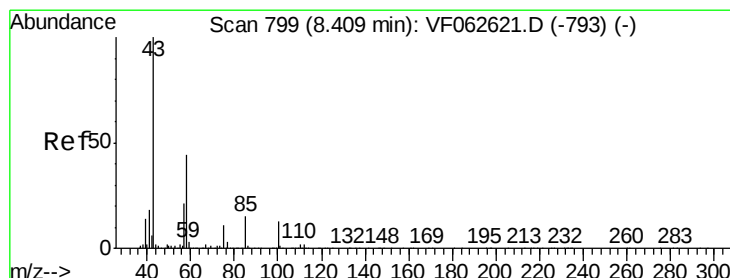
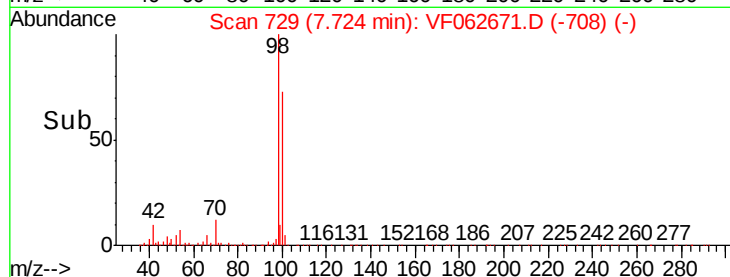
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.061 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062671.D

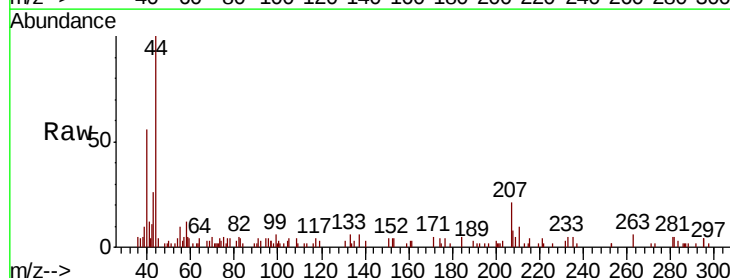
Acq: 20 May 2019 20:09

Tgt Ion: 43 Resp: 5988

Ion Ratio Lower Upper

43 100

58 44.8 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

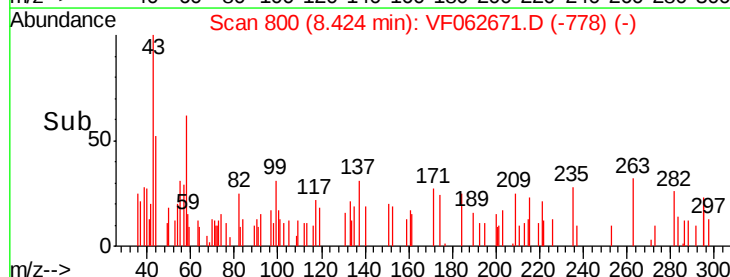
1500

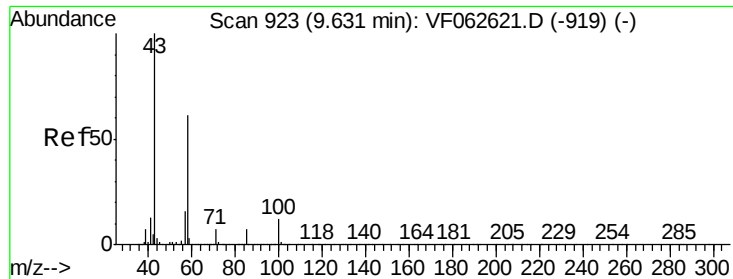
1000

500

0

Time-->

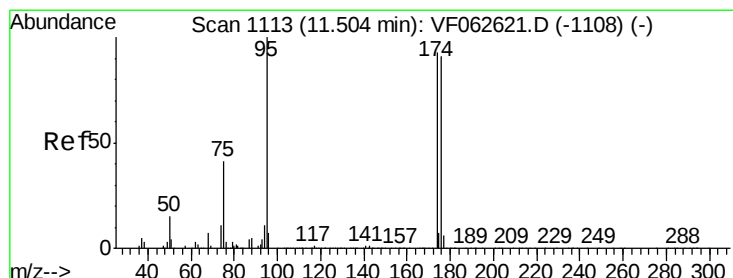
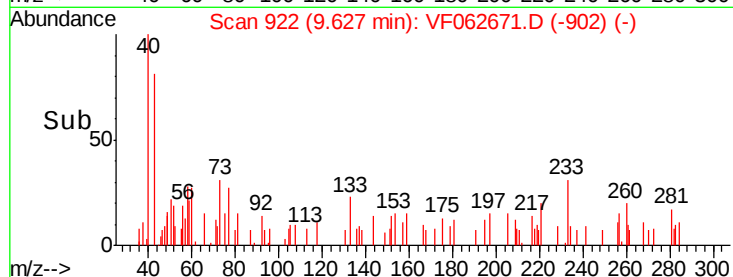
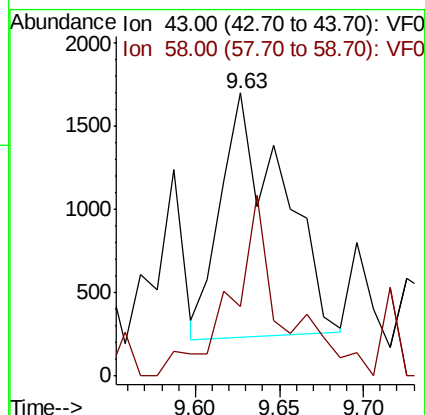
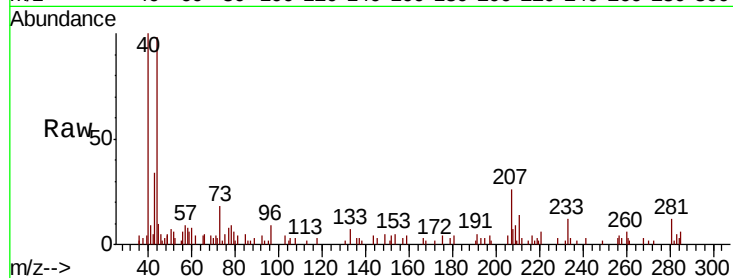




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF062671.D
Acq: 20 May 2019 20:09

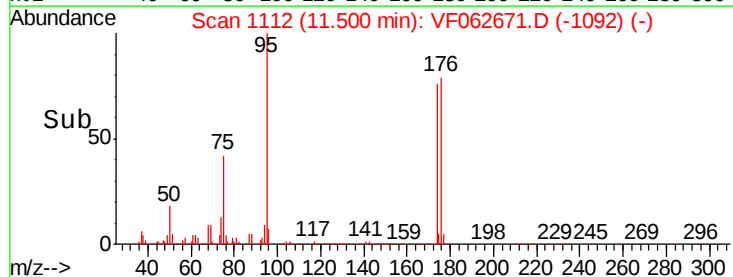
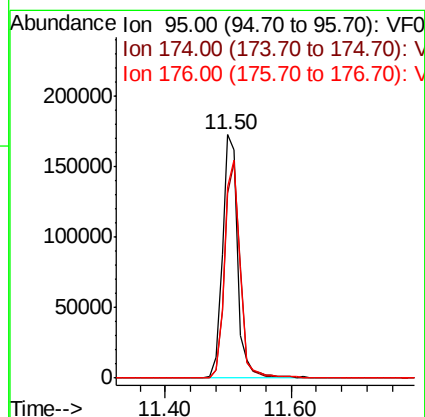
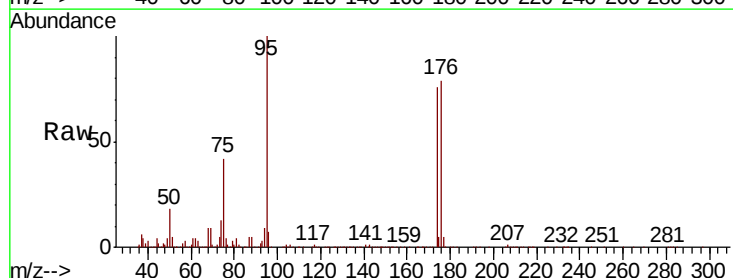
Instrument :
MSVOA_F
ClientSampleId :
GIS-1-4FTRE

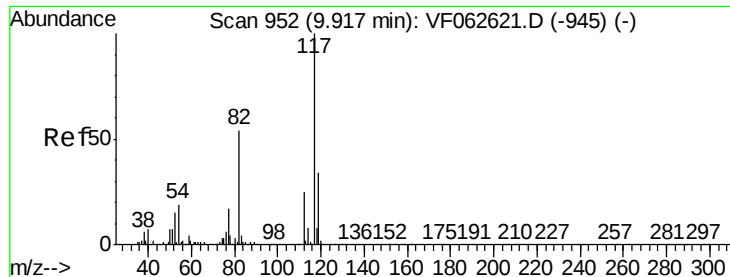
Tot Ion: 43 Resp: 3714
Ion Ratio Lower Upper
43 100
58 24.5 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 28.050 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF062671.D
Acq: 20 May 2019 20:09

Tgt Ion: 95 Resp: 296028
Ion Ratio Lower Upper
95 100
174 76.0 0.0 185.6
176 78.6 0.0 182.4

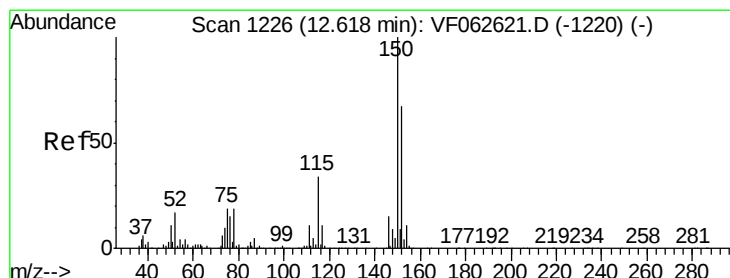
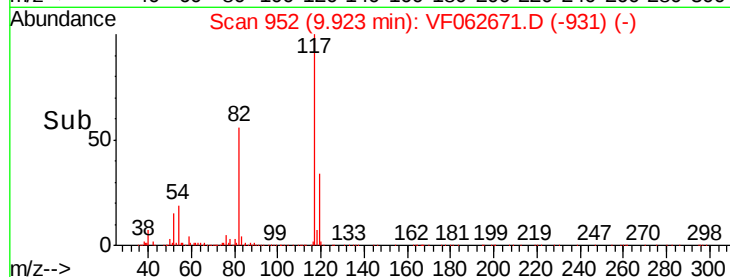
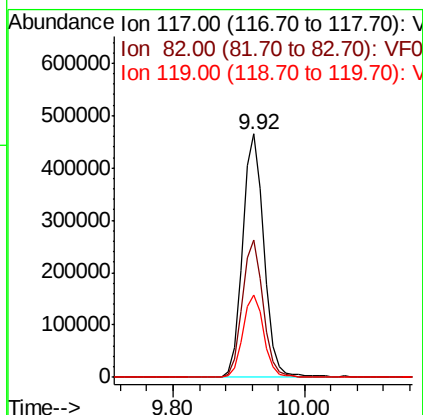
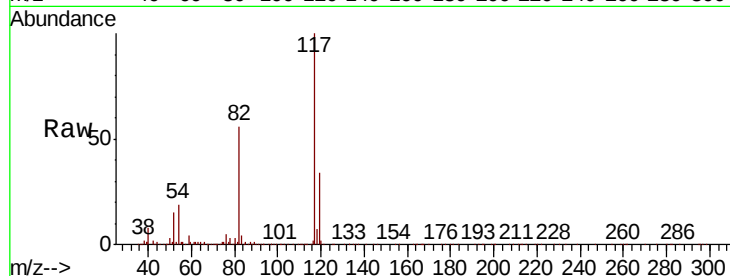




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062671.D
Acq: 20 May 2019 20:09

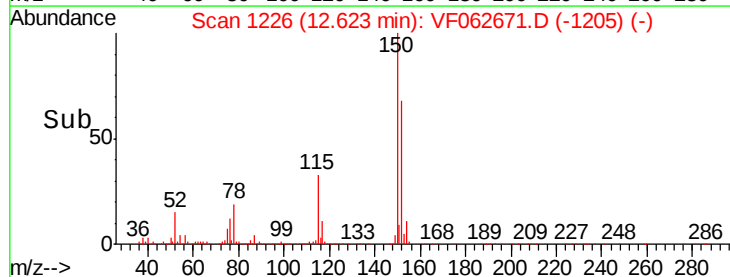
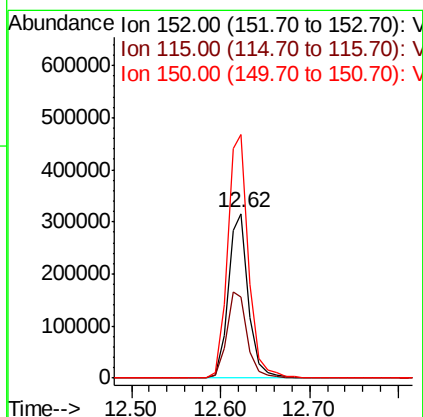
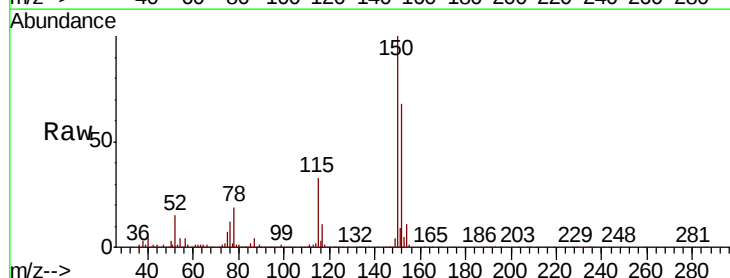
Instrument :
MSVOA_F
ClientSampleId :
GIS-1-4FTRE

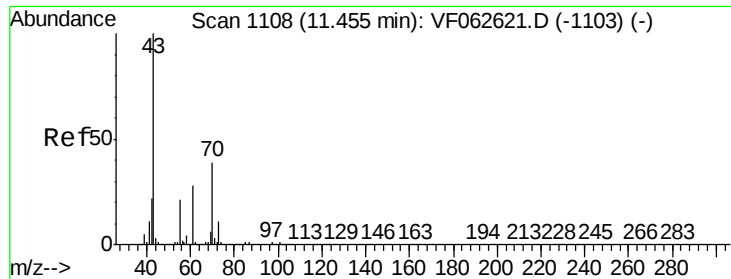
Tot Ion:117 Resp: 1061400
Ion Ratio Lower Upper
117 100
82 56.3 43.3 64.9
119 34.0 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062671.D
Acq: 20 May 2019 20:09

Tgt Ion:152 Resp: 506594
Ion Ratio Lower Upper
152 100
115 49.1 25.2 75.6
150 147.8 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

Instrument :

MSVOA_F

ClientSampleId :

GIS-1-4FTRE

Tot Ion: 43 Resp: 1089

Ion Ratio Lower Upper

43	100		
70	34.6	30.9	46.3
55	22.5	17.0	25.4
61	0.0	22.6	34.0#

