

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 02:25:36 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 50.000			Recovery	=	76.58%	
35) Dibromofluoromethane	4.32	113	443058	38.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.04%	
50) Toluene-d8	7.72	98	889062	31.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.90%	
62) 4-Bromofluorobenzene	11.50	95	296028	28.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.10%	

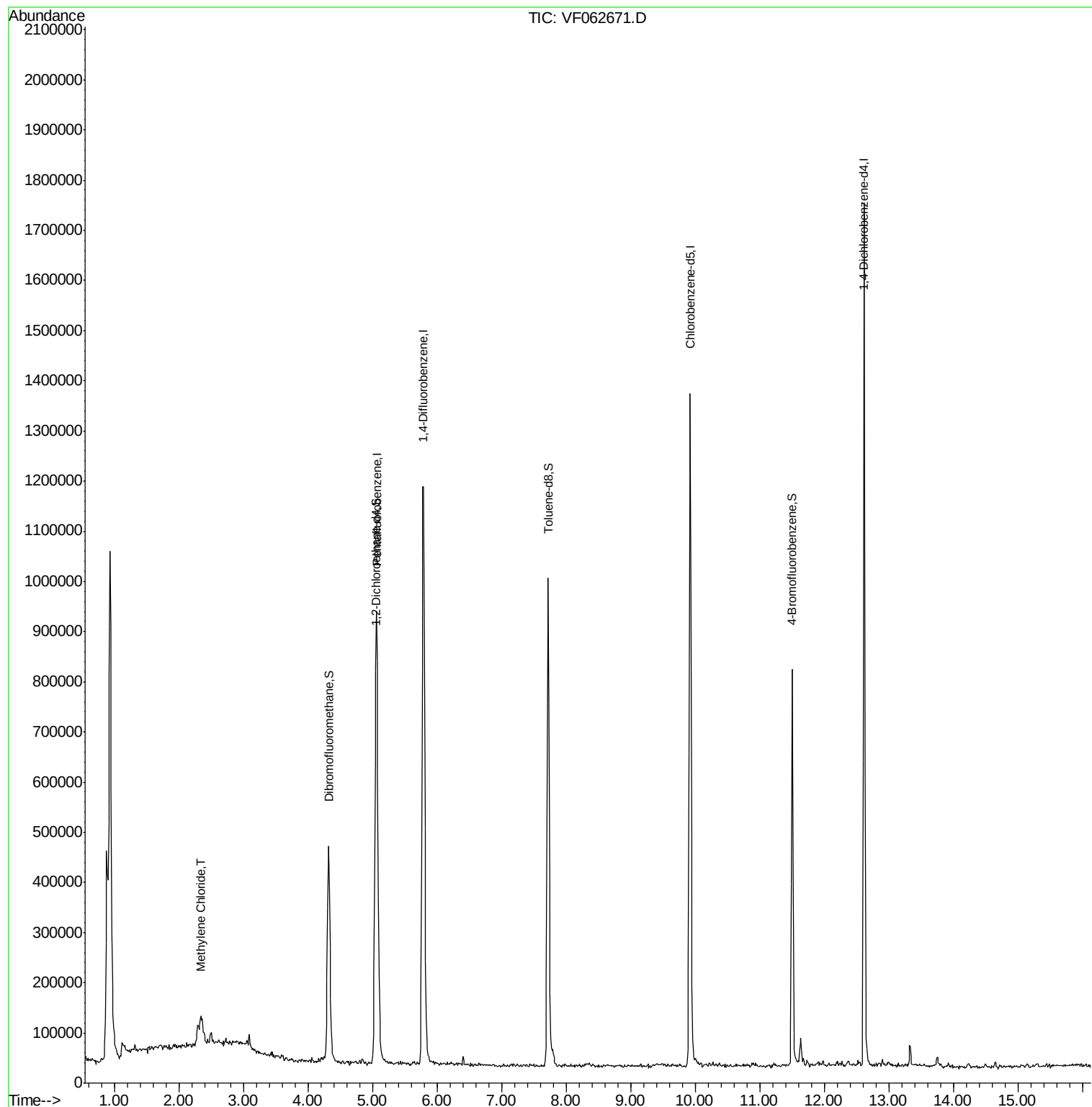
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.34	84	73257m	9.317	ug/l	

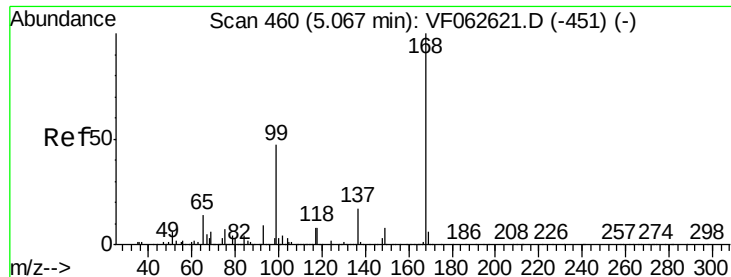
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

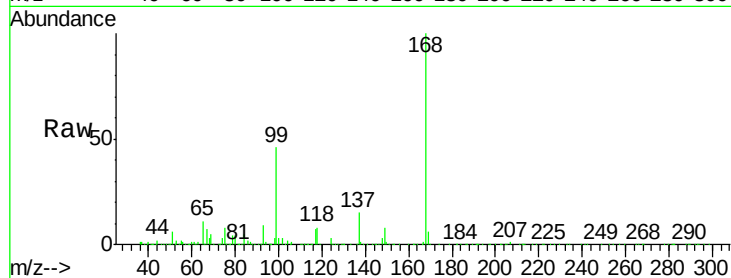
GIS-1-4FTRE

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): V

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

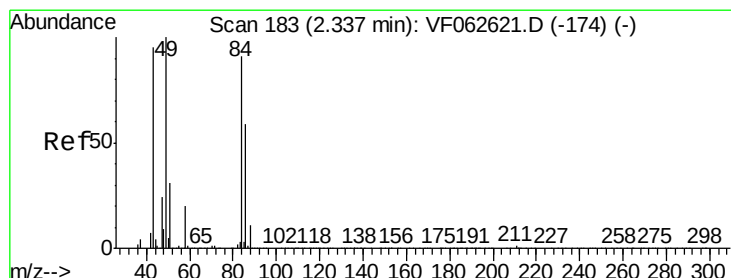
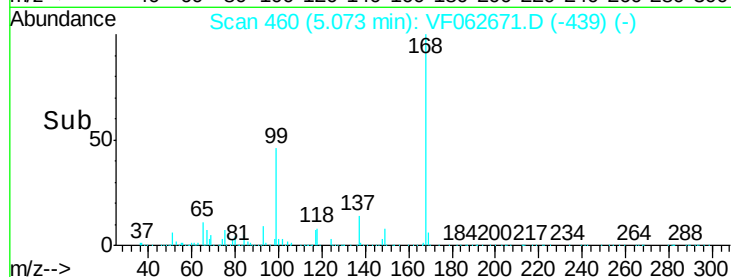
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 9.317 ug/l m

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: 73257

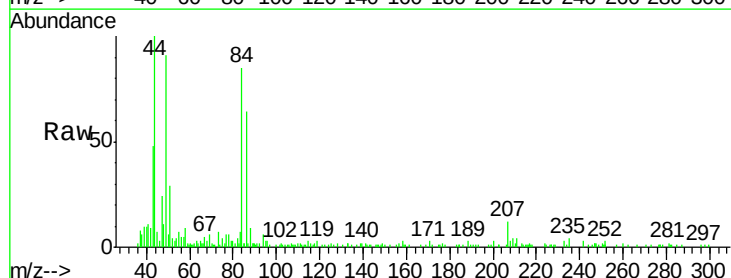
Ion Ratio Lower Upper

84 100

49 107.0 89.8 134.8

51 33.6 28.4 42.6

86 75.6 52.6 79.0



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

20000

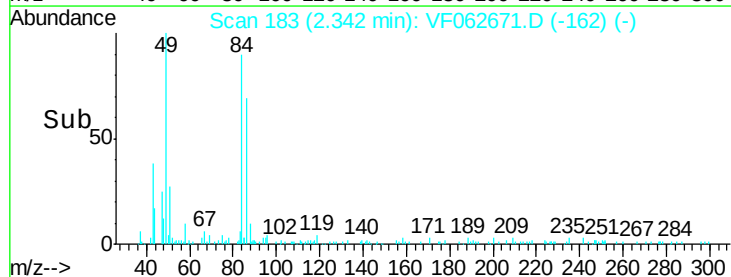
15000

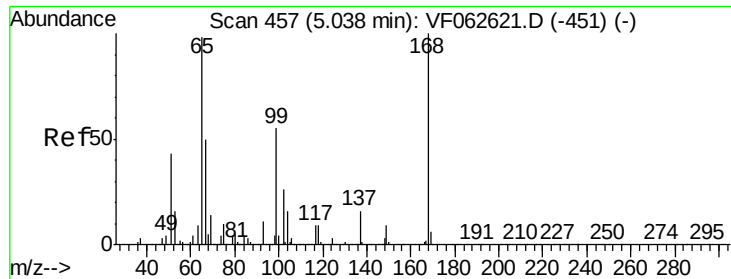
10000

5000

0

Time-->

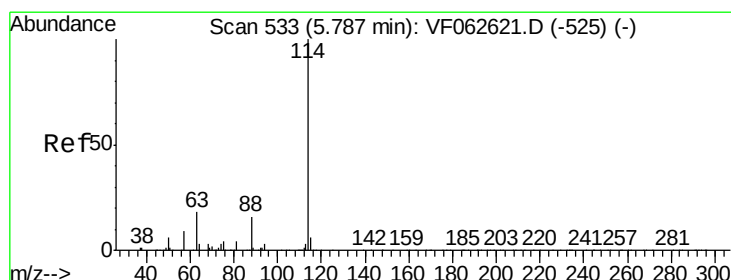
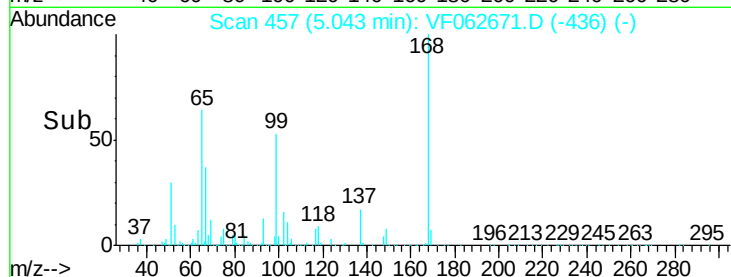
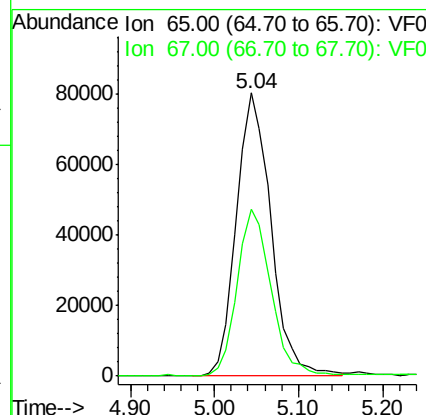
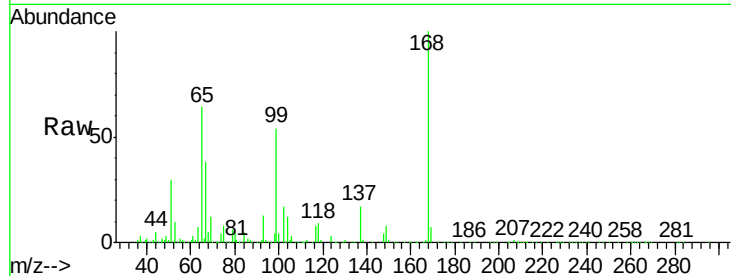




#33
 1,2-Dichloroethane-d4
 Concen: 38.294 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF062671.D
 Acq: 20 May 2019 20:09

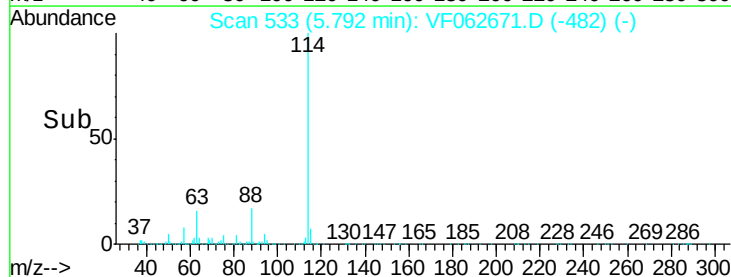
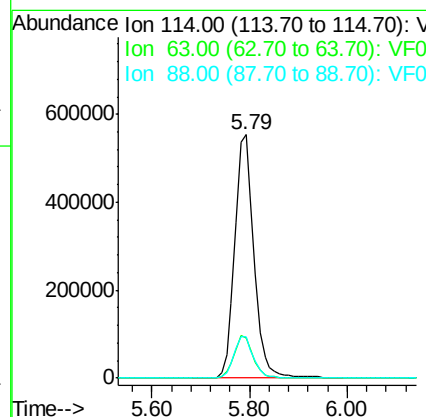
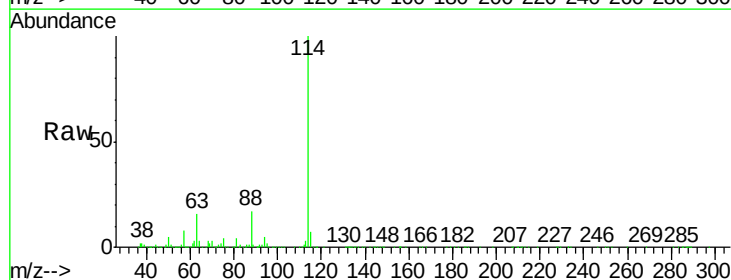
Instrument :
 MSVOA_F
 ClientSampleId :
 GIS-1-4FTRE

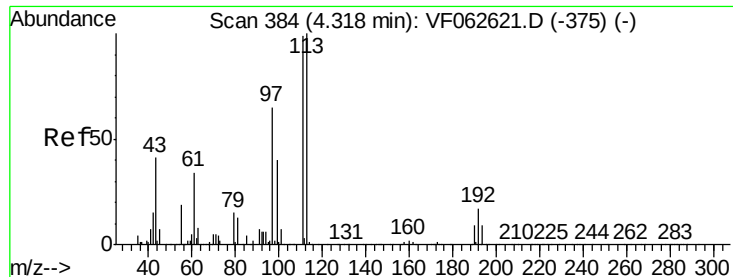
Tot Ion: 65 Resp: 231548
 Ion Ratio Lower Upper
 65 100
 67 58.7 0.0 117.6



#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





#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

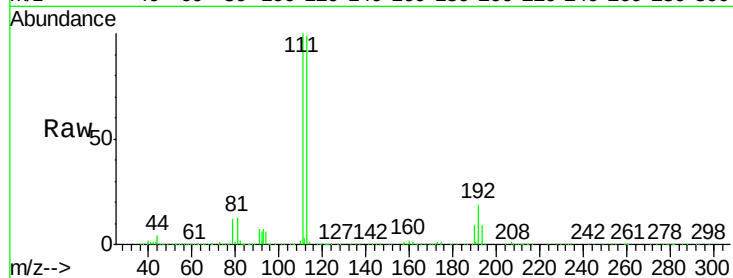
Tot Ion:113 Resp: 443058

Ion Ratio Lower Upper

113 100

111 100.7 79.4 119.2

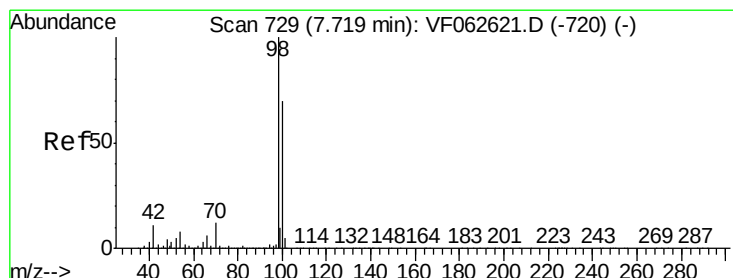
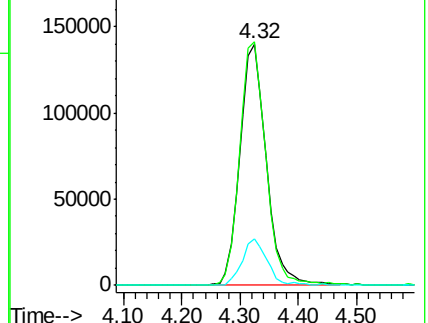
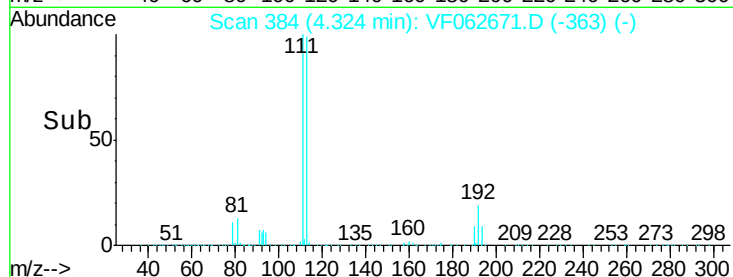
192 19.2 13.4 20.2



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



#50

Toluene-d8

Concen: 31.950 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF062671.D

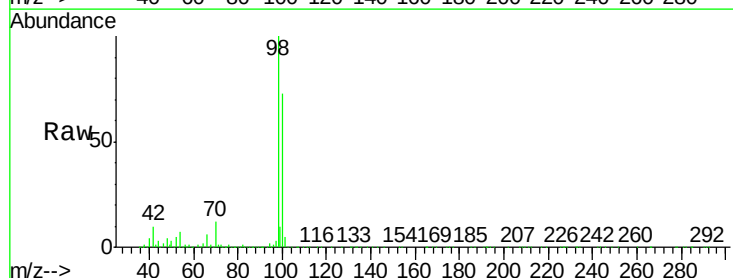
Acq: 20 May 2019 20:09

Tgt Ion: 98 Resp: 889062

Ion Ratio Lower Upper

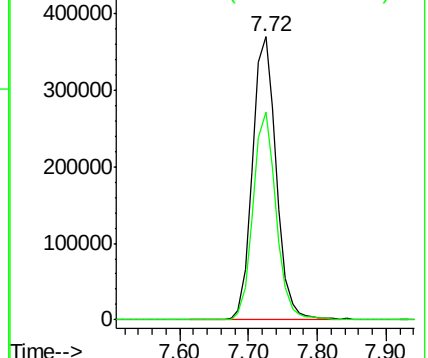
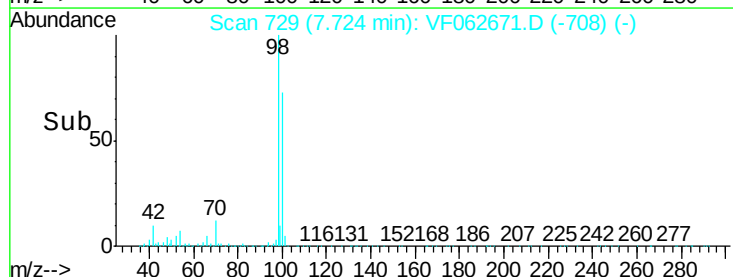
98 100

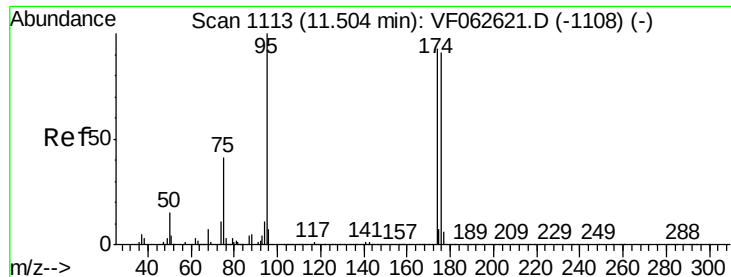
100 73.3 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#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

Instrument :

MSVOA_F

ClientSampleId :

GIS-1-4FTRE

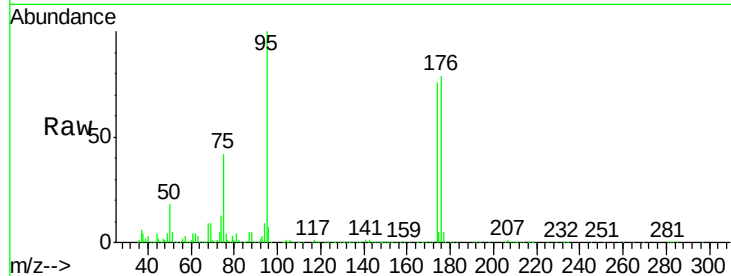
Tot Ion: 95 Resp: 296028

Ion Ratio Lower Upper

95 100

174 76.0 0.0 185.6

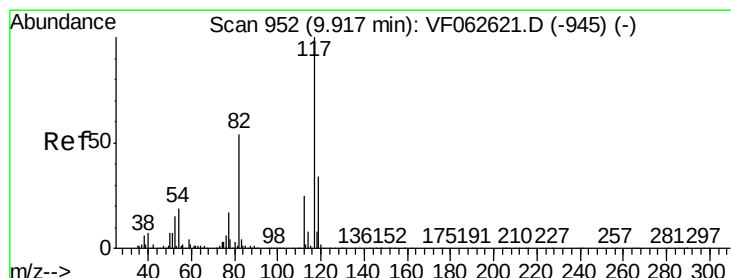
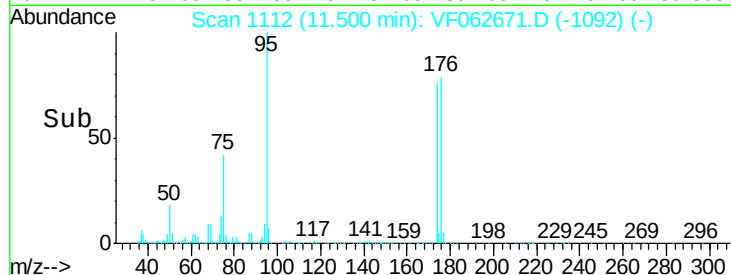
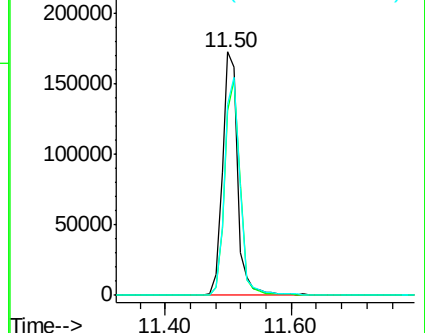
176 78.6 0.0 182.4



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: 9.92 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

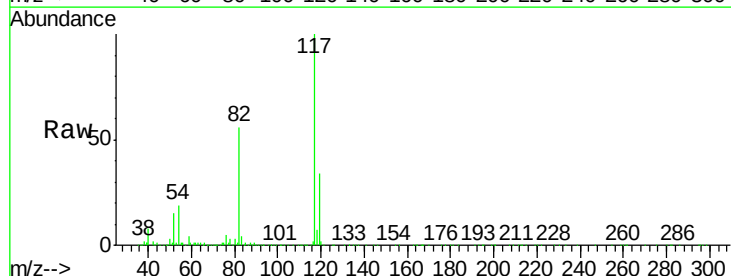
Tgt Ion: 117 Resp: 1061400

Ion Ratio Lower Upper

117 100

82 56.3 43.3 64.9

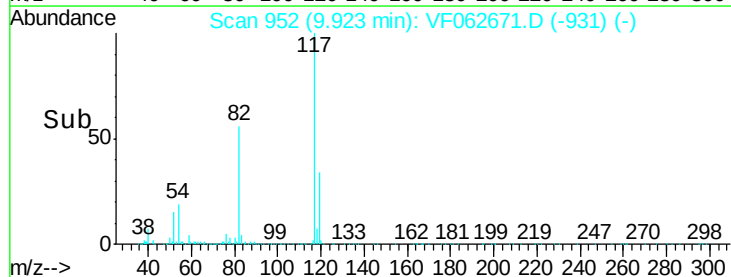
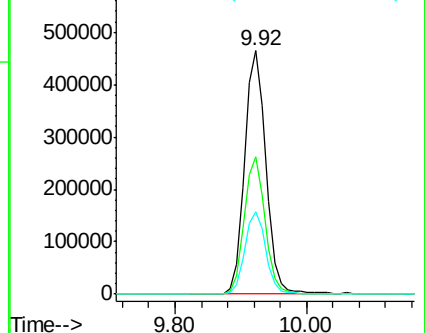
119 34.0 27.4 41.0

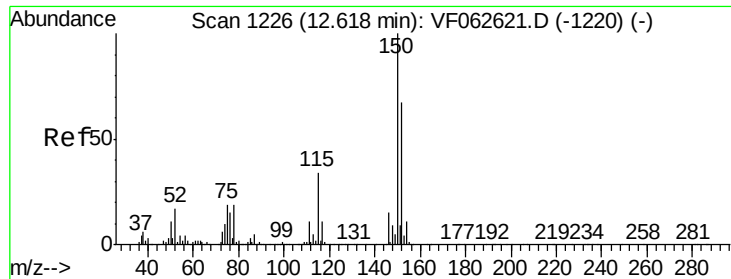


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062671.D

Acq: 20 May 2019 20:09

Instrument :

MSVOA_F

ClientSampleId :

GIS-1-4FTRE

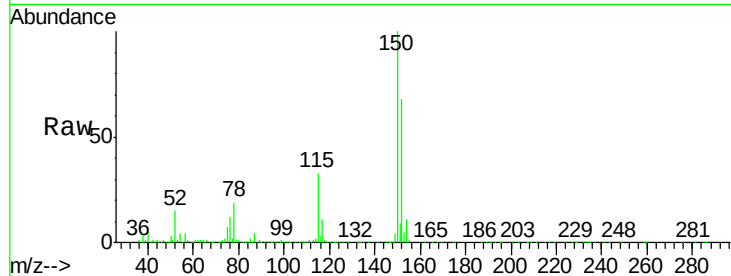
Tot Ion:152 Resp: 506594

Ion Ratio Lower Upper

152 100

115 49.1 25.2 75.6

150 147.8 0.0 306.2



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

