

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059389.D
 Acq On : 2 Jul 2018 16:13
 Operator : VA/AP
 Sample : J3802-03
 Misc : 6.49g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CF-3(10.0)

Quant Time: Jul 03 11:34:17 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	5.02	168	118205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	238401	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	59609	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	129271	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	172150	112.72	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	225.44%	
35) Dibromofluoromethane	4.28	113	140317	80.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	161.10%	
50) Toluene-d8	7.69	98	10632	2.47	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	4.94%	
62) 4-Bromofluorobenzene	11.50	95	119260	49.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.04%	

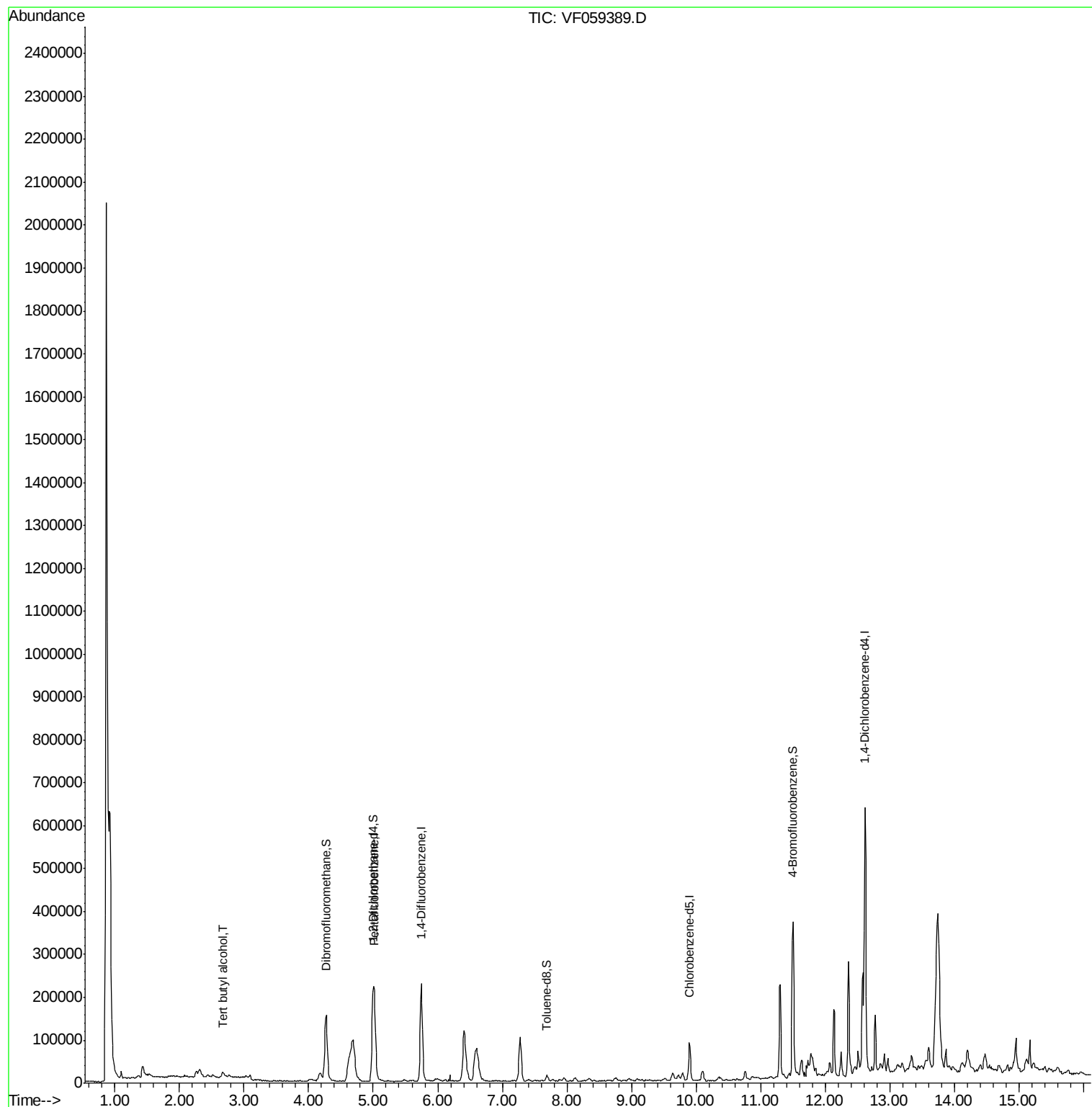
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	16603	163.30	ug/l	99

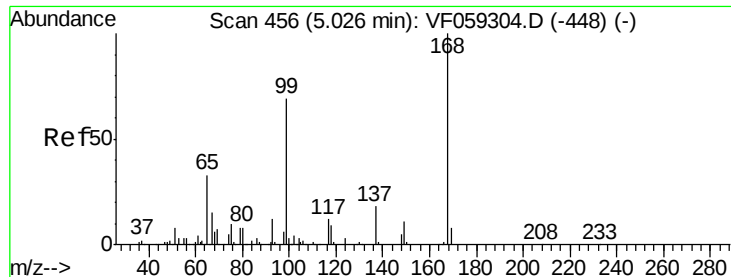
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059389.D

Acq: 2 Jul 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

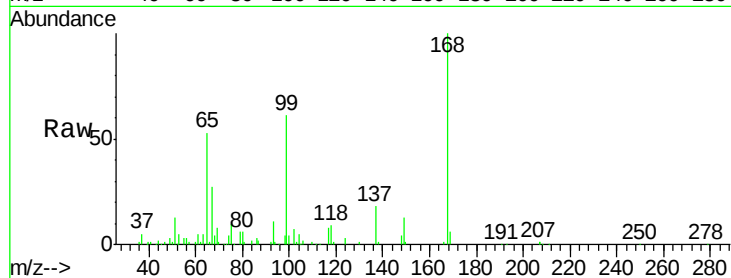
CF-3(10.0)

Tot Ion:168 Resp: 118205

Ion Ratio Lower Upper

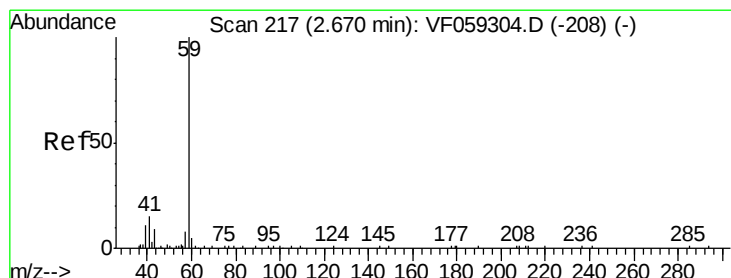
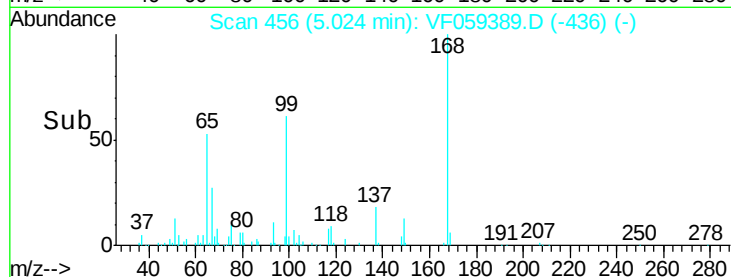
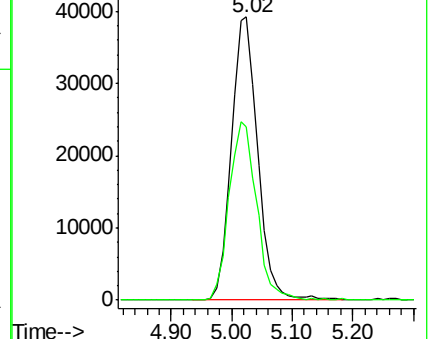
168 100

99 61.1 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: 163.30 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059389.D

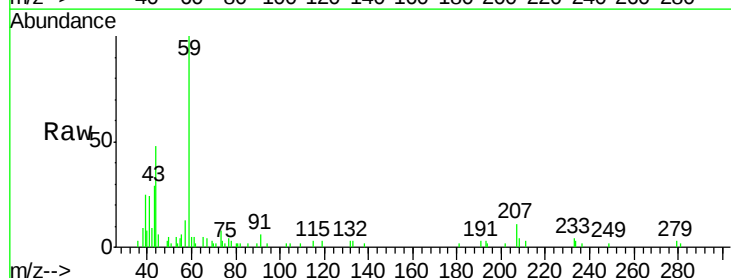
Acq: 2 Jul 2018 16:13

Tgt Ion: 59 Resp: 16603

Ion Ratio Lower Upper

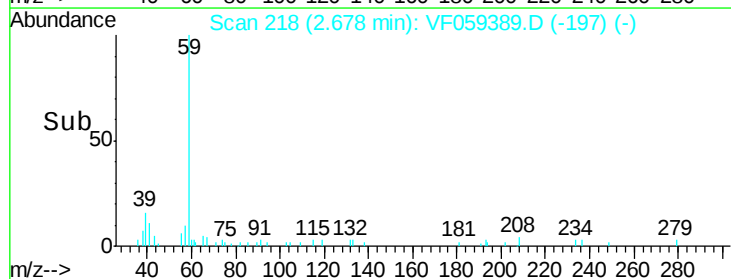
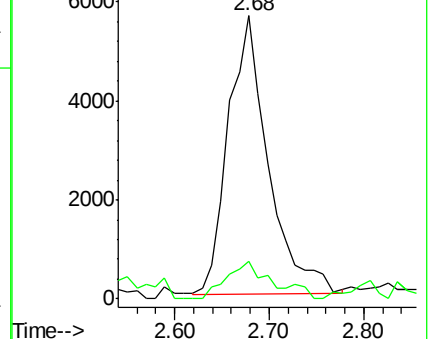
59 100

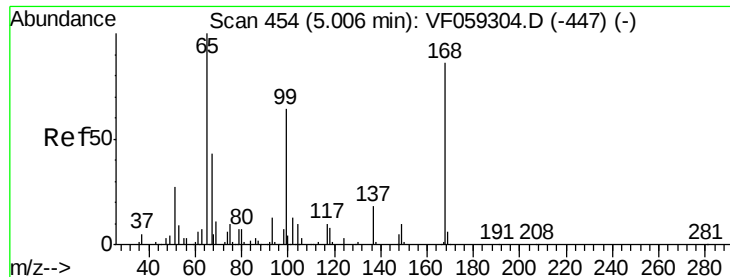
57 13.2 11.0 16.4



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

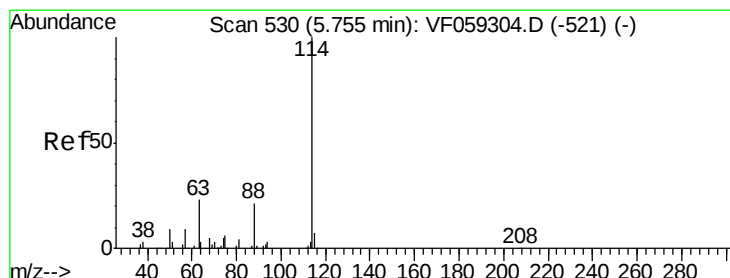
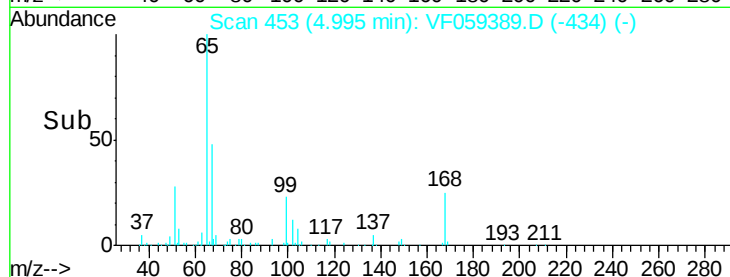
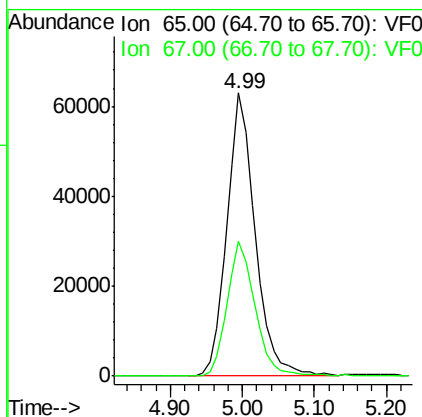
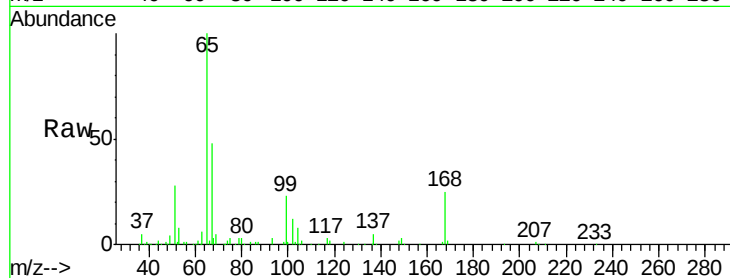




#33
 1,2-Dichloroethane-d4
 Concen: 112.72 ug/l
 RT: 4.99 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059389.D
 Acq: 2 Jul 2018 16:13

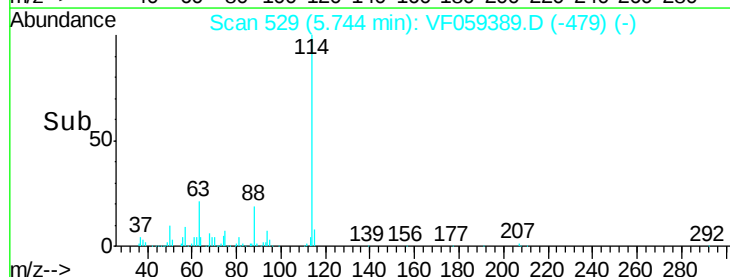
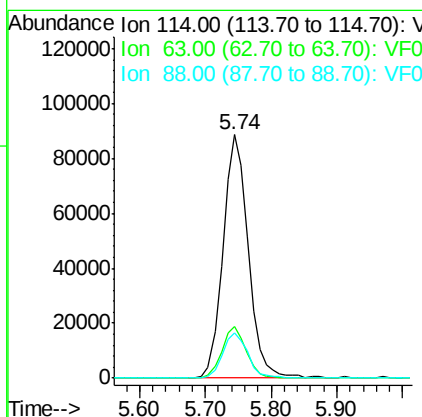
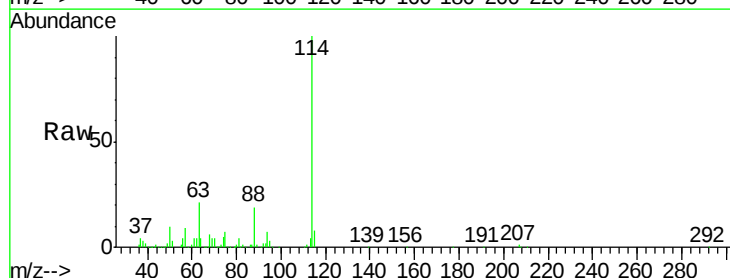
Instrument :
 MSVOA_F
 ClientSampleId :
 CF-3(10.0)

Tot Ion: 65 Resp: 172150
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059389.D
 Acq: 2 Jul 2018 16:13

Tgt Ion: 114 Resp: 238401
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 45.8
 88 18.6 0.0 41.2





#35

Dibromofluoromethane

Concen: 80.55 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059389.D

Acq: 2 Jul 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

CF-3(10.0)

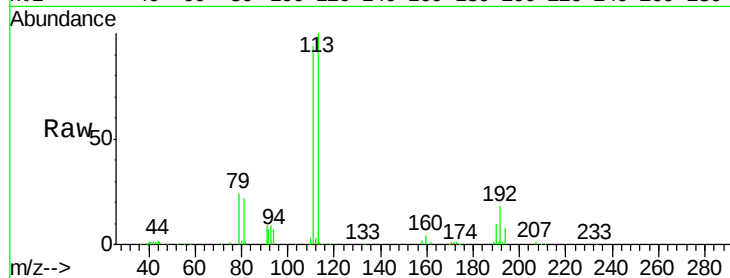
Tot Ion:113 Resp: 140317

Ion Ratio Lower Upper

113 100

111 93.8 82.1 123.1

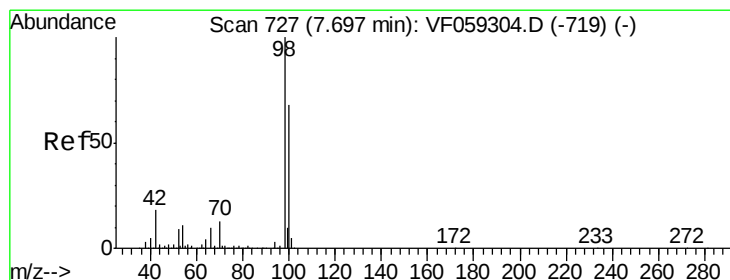
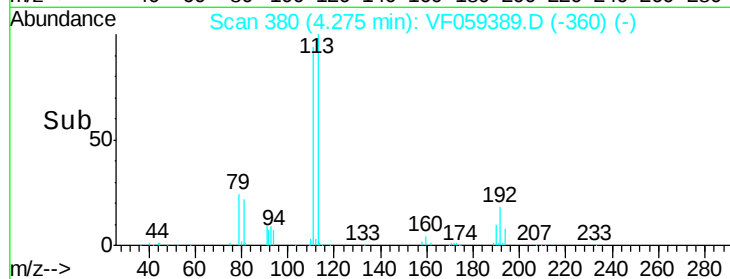
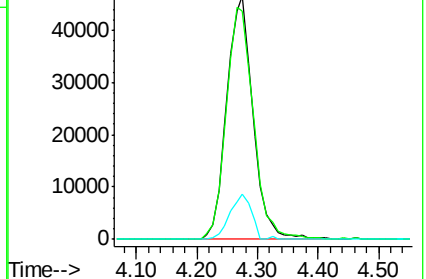
192 18.3 13.0 19.6



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



#50

Toluene-d8

Concen: 2.47 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059389.D

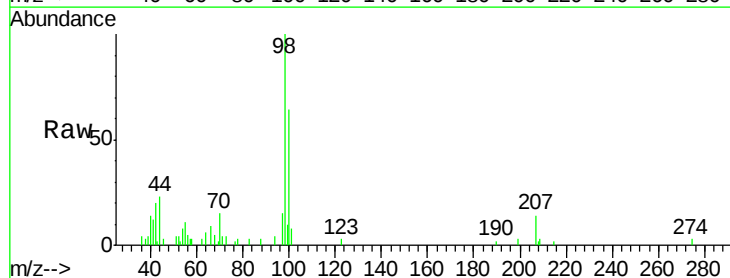
Acq: 2 Jul 2018 16:13

Tgt Ion: 98 Resp: 10632

Ion Ratio Lower Upper

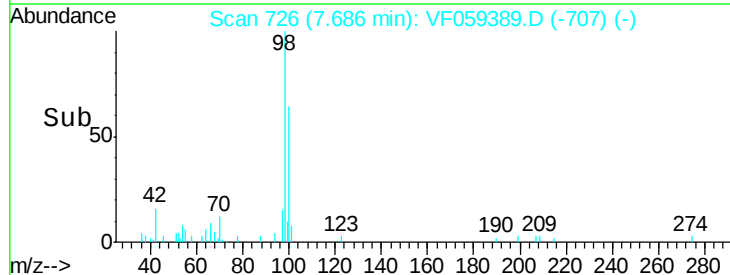
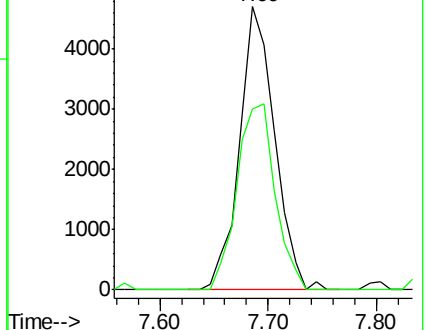
98 100

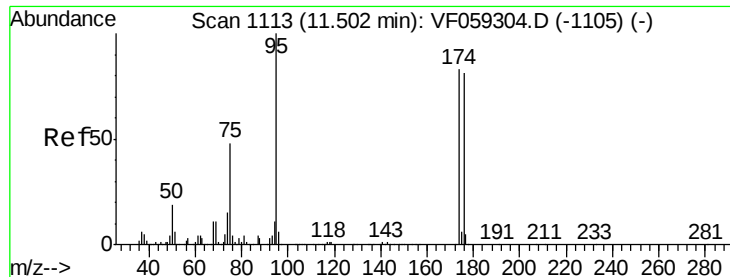
100 64.1 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 49.02 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059389.D

Acq: 2 Jul 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

CF-3(10.0)

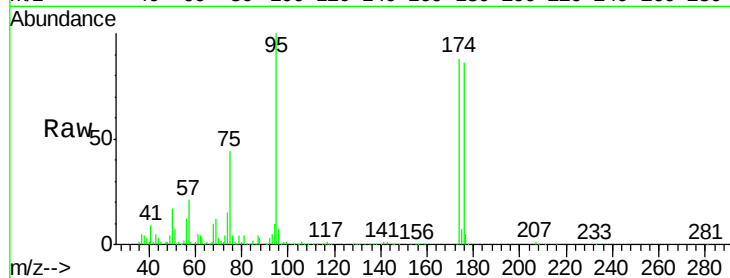
Tot Ion: 95 Resp: 119260

Ion Ratio Lower Upper

95 100

174 88.1 0.0 165.2

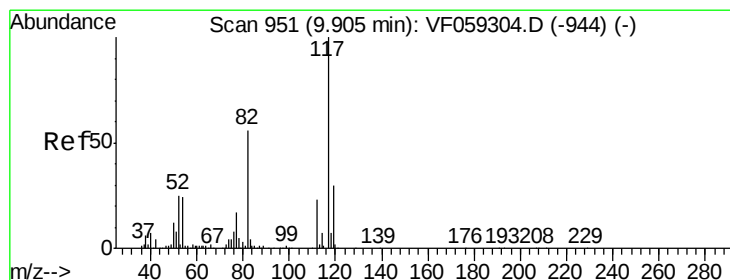
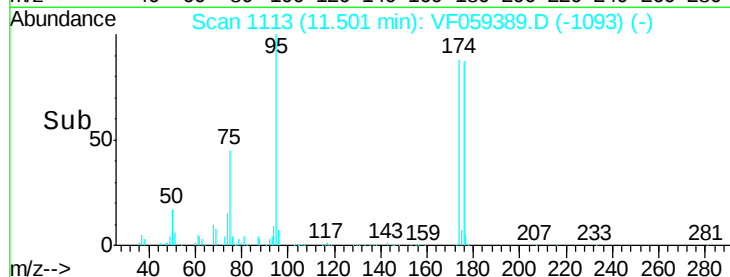
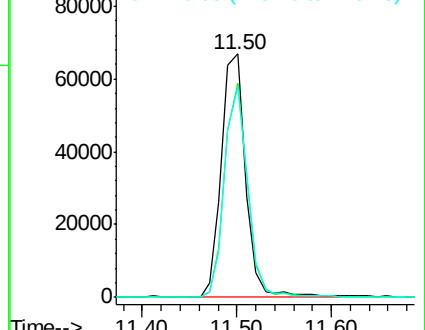
176 86.3 0.0 161.0



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: 50.00 ug/l

RT: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF059389.D

Acq: 2 Jul 2018 16:13

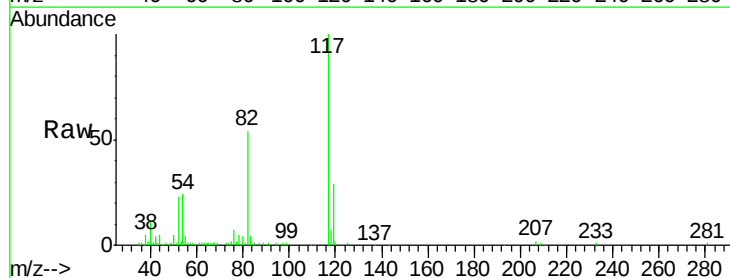
Tgt Ion: 117 Resp: 59609

Ion Ratio Lower Upper

117 100

82 54.4 44.6 66.8

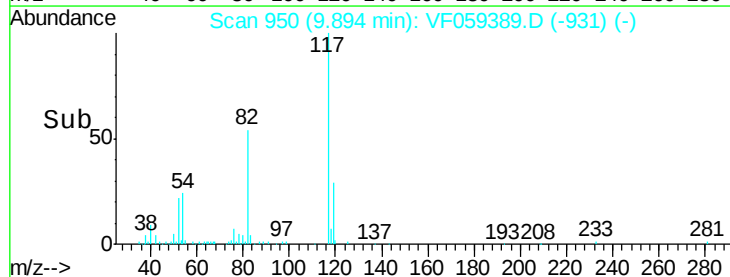
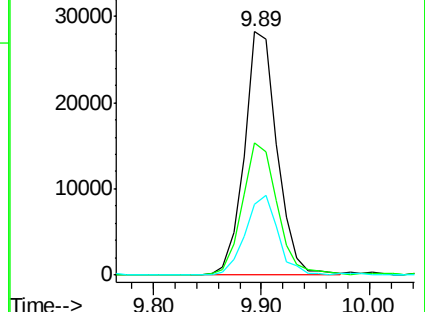
119 28.9 24.1 36.1

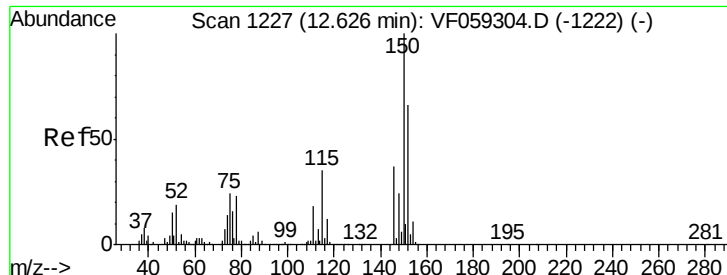


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059389.D

Acq: 2 Jul 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

CF-3(10.0)

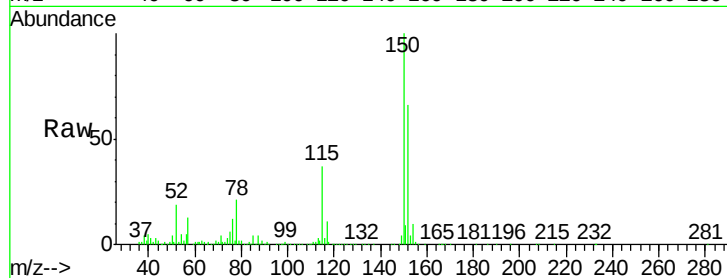
Tot Ion:152 Resp: 129271

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 152.5 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

