

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059395.D
 Acq On : 2 Jul 2018 19:00
 Operator : VA/AP
 Sample : J3802-01RE
 Misc : 7.78g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CF-1(15.0)RE

Quant Time: Jul 03 02:26:43 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	170466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	298056	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	268789	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	181269	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	147118	66.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.60%	
35) Dibromofluoromethane	4.28	113	130212	59.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.58%	
50) Toluene-d8	7.69	98	302061	56.02	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.04%	
62) 4-Bromofluorobenzene	11.49	95	172682	56.77	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.54%	

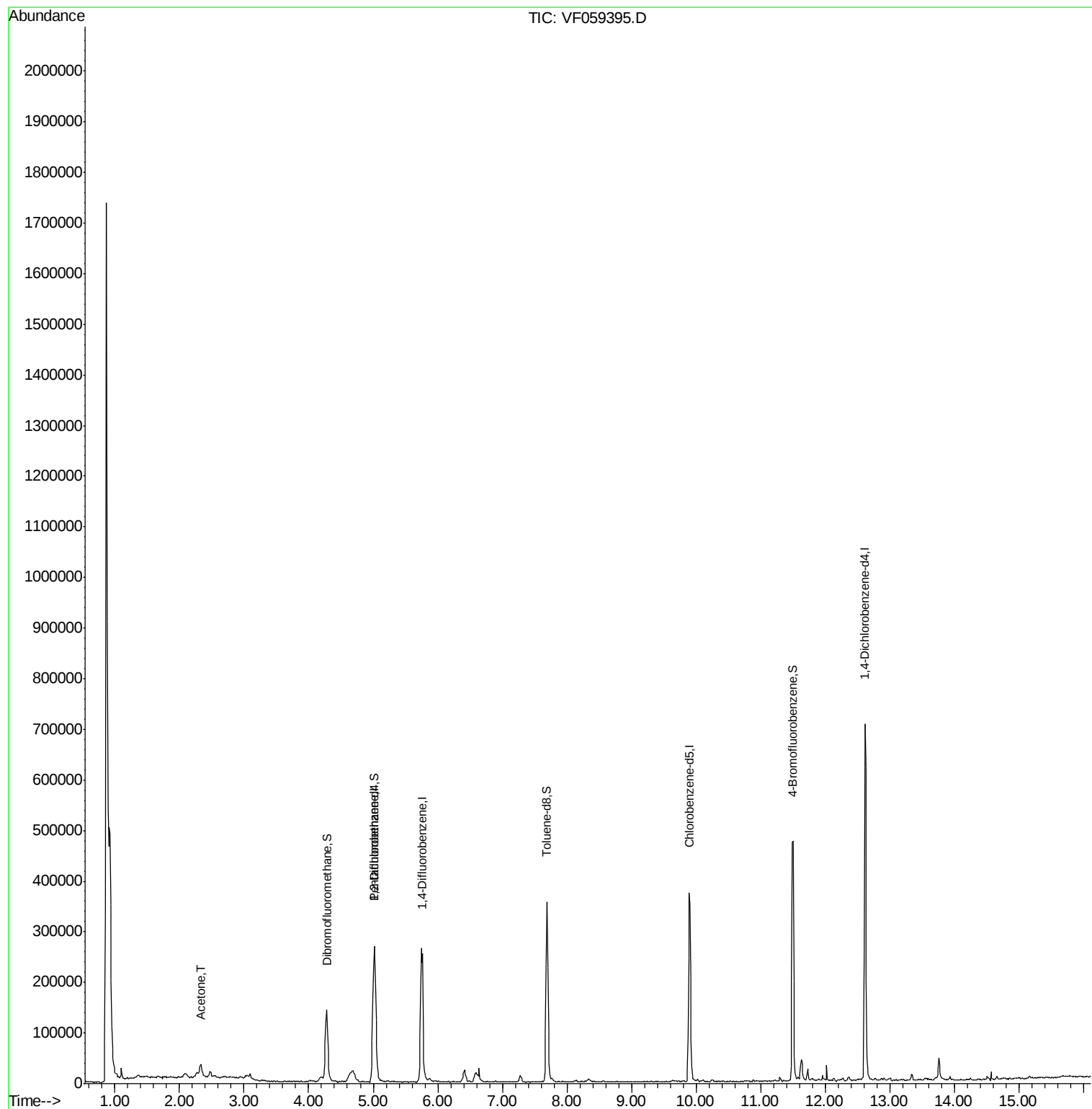
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.33	43	34552	54.86	ug/l	96

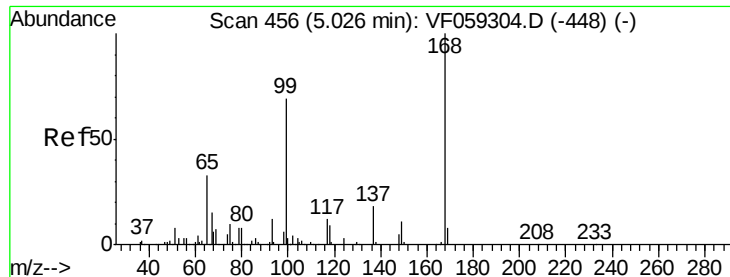
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

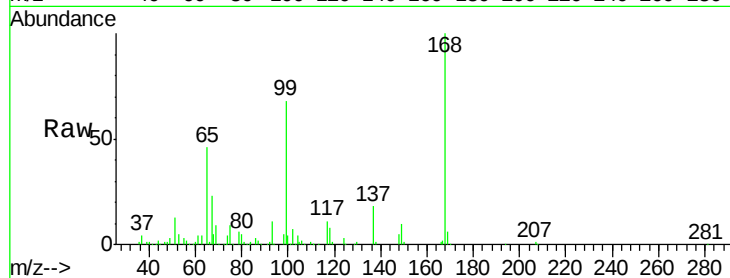
CF-1(15.0)RE

Tot Ion:168 Resp: 170466

Ion Ratio Lower Upper

168 100

99 67.9 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

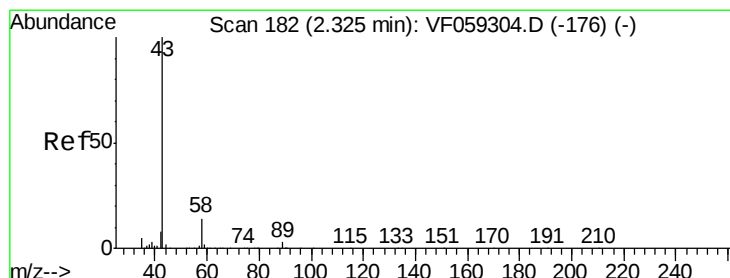
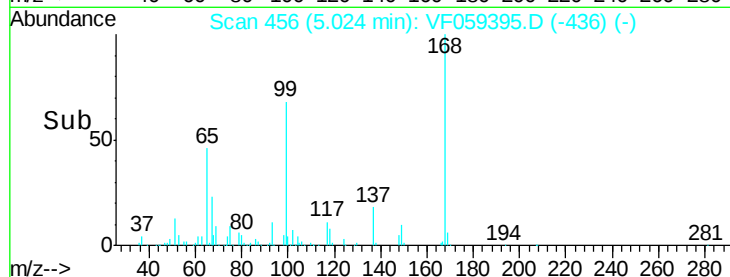
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 54.86 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059395.D

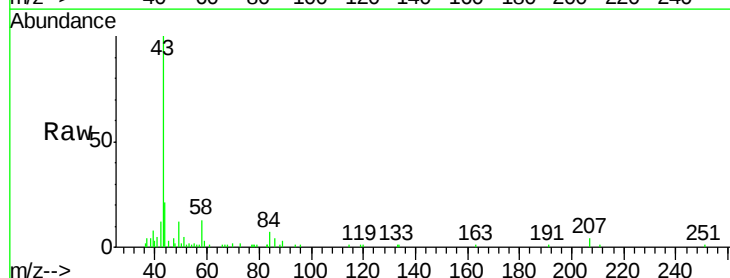
Acq: 2 Jul 2018 19:00

Tgt Ion: 43 Resp: 34552

Ion Ratio Lower Upper

43 100

58 12.7 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

15000

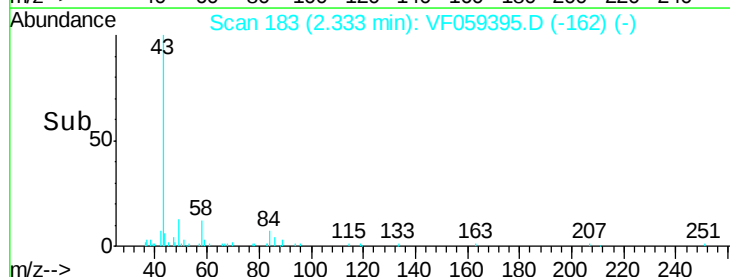
10000

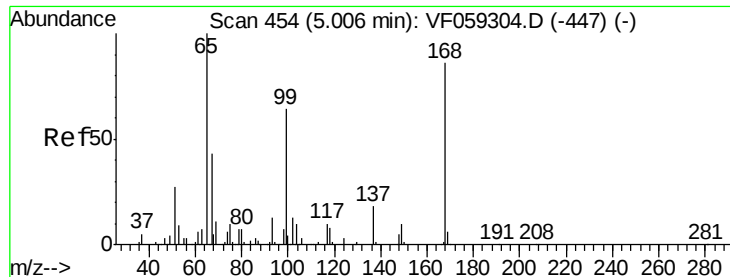
5000

0

2.25 2.30 2.35 2.40

Time-->





#33

1,2-Dichloroethane-d4

Concen: 66.80 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

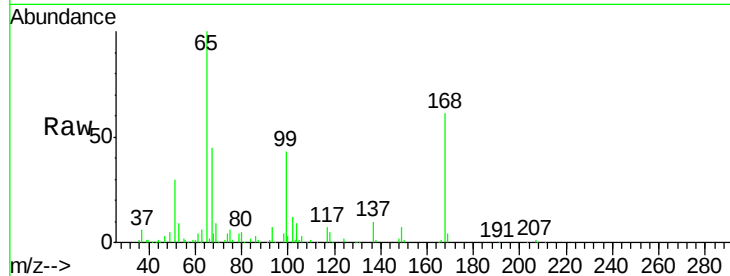
CF-1(15.0)RE

Tot Ion: 65 Resp: 147118

Ion Ratio Lower Upper

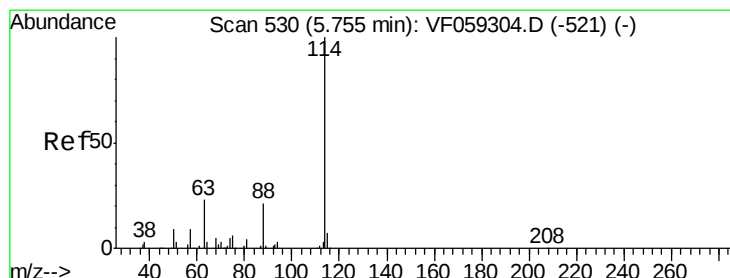
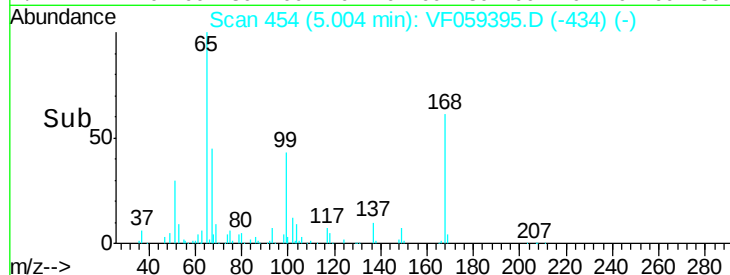
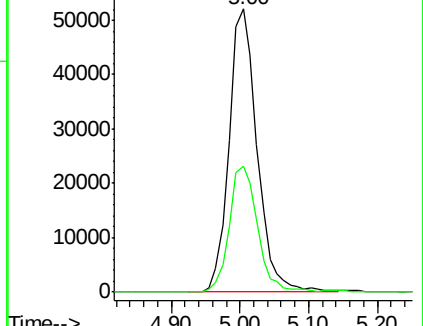
65 100

67 44.7 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: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

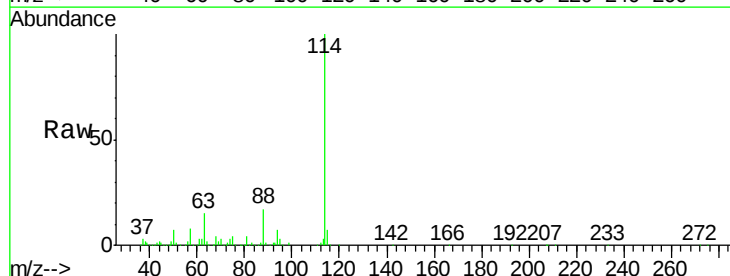
Tgt Ion:114 Resp: 298056

Ion Ratio Lower Upper

114 100

63 15.4 0.0 45.8

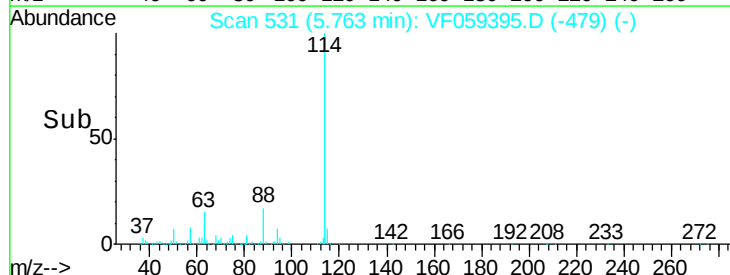
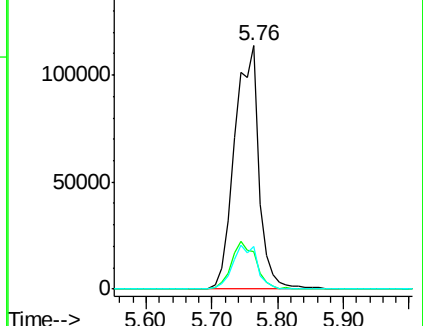
88 17.4 0.0 41.2



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

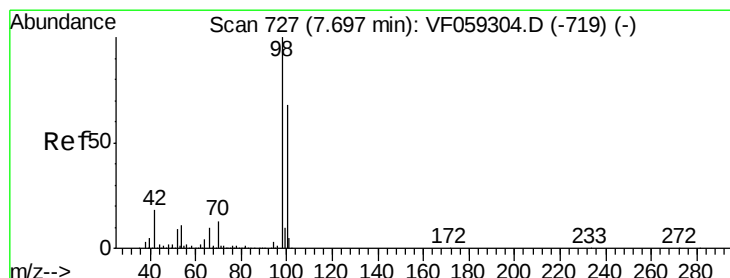
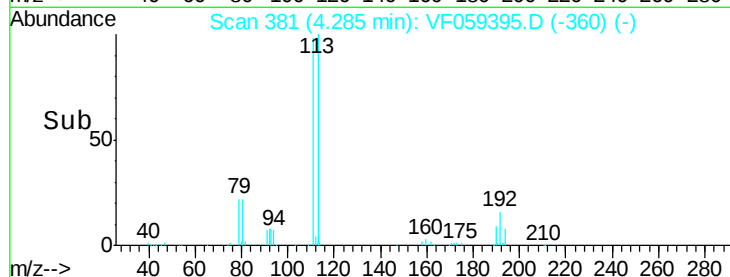
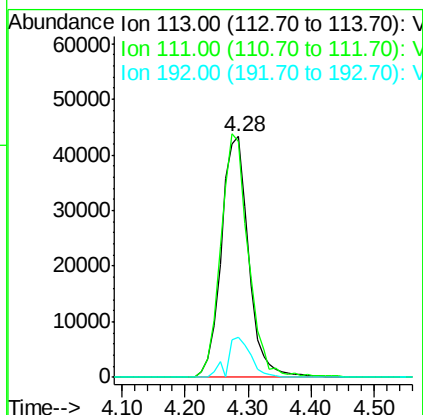
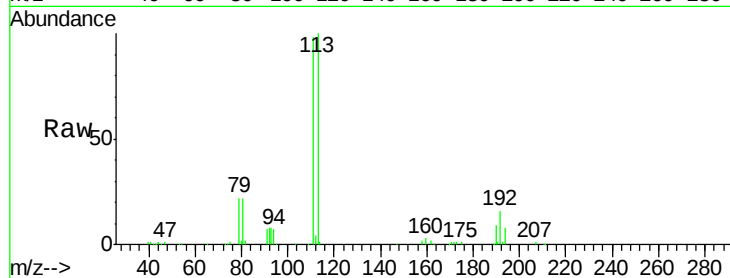




#35
 Dibromofluoromethane
 Concen: 59.79 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059395.D
 Acq: 2 Jul 2018 19:00

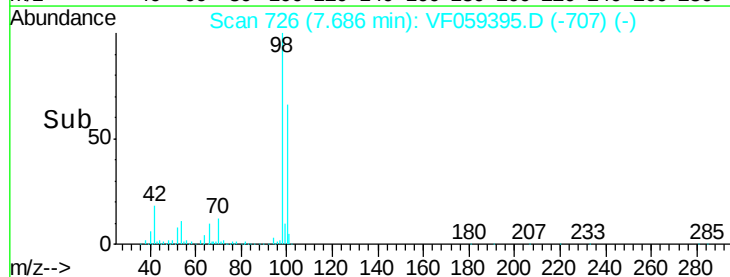
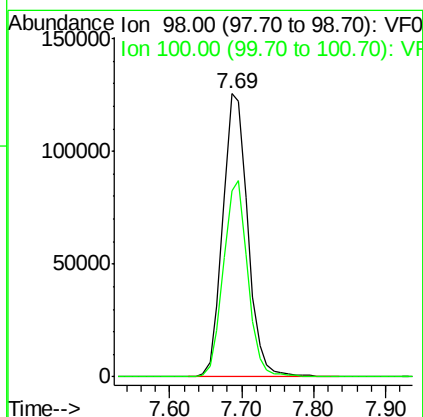
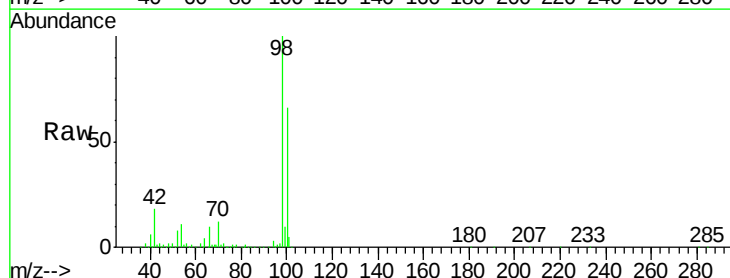
Instrument :
 MSVOA_F
 ClientSampleId :
 CF-1(15.0)RE

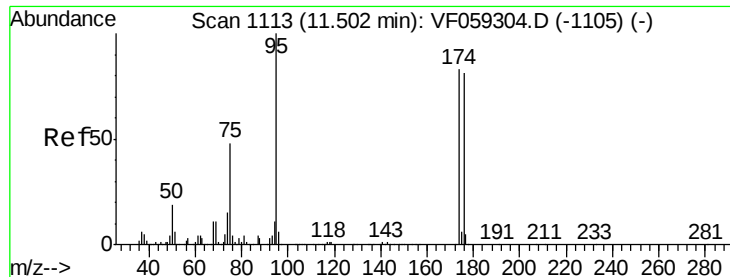
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.0	82.1	123.1
192	16.9	13.0	19.6



#50
 Toluene-d8
 Concen: 56.02 ug/l
 RT: 7.69 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VF059395.D
 Acq: 2 Jul 2018 19:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	54.6	82.0





#62

4-Bromofluorobenzene

Concen: 56.77 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

CF-1(15.0)RE

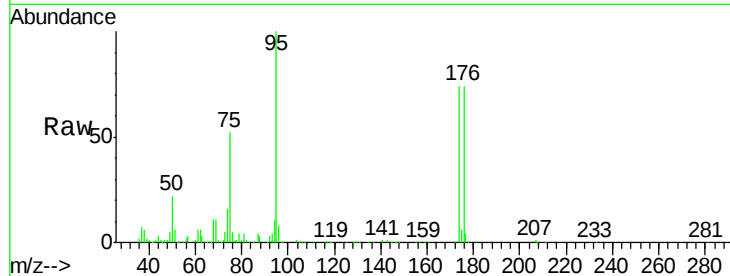
Tot Ion: 95 Resp: 172682

Ion Ratio Lower Upper

95 100

174 74.2 0.0 165.2

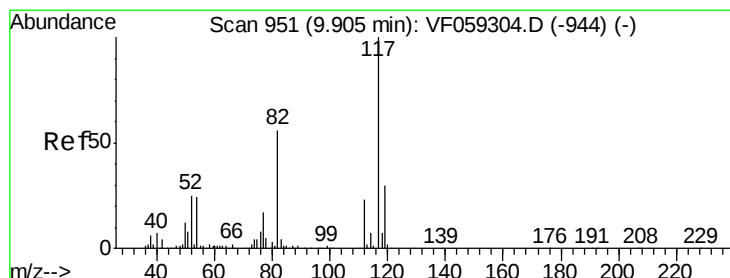
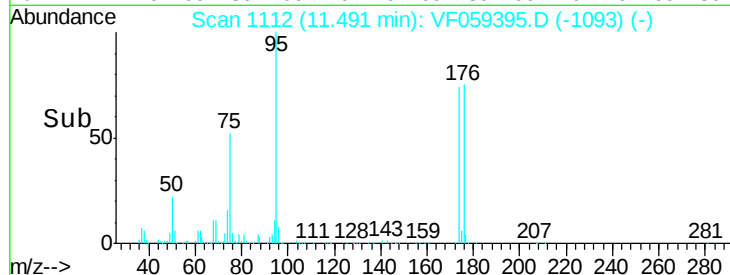
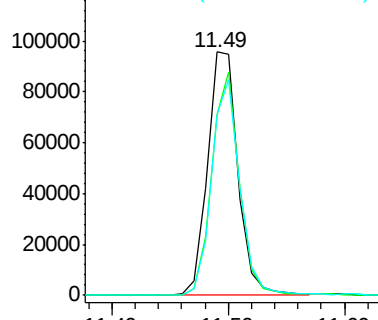
176 74.5 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

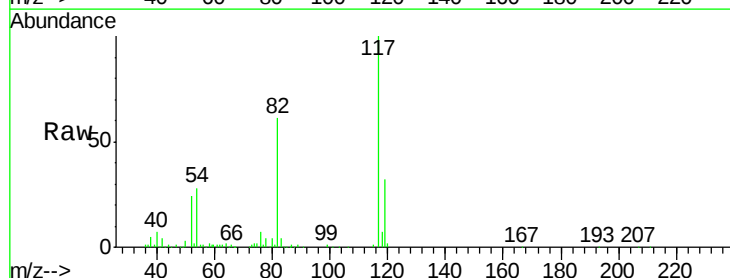
Tgt Ion: 117 Resp: 268789

Ion Ratio Lower Upper

117 100

82 60.5 44.6 66.8

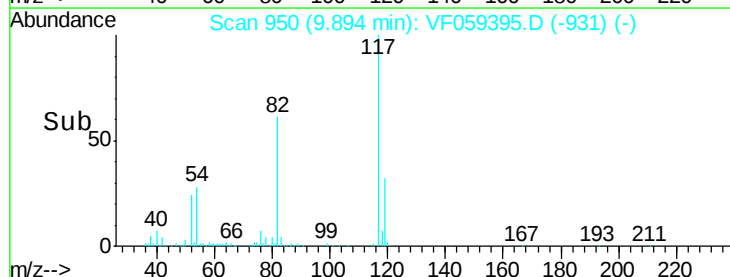
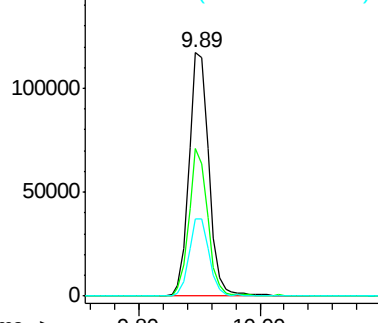
119 31.9 24.1 36.1

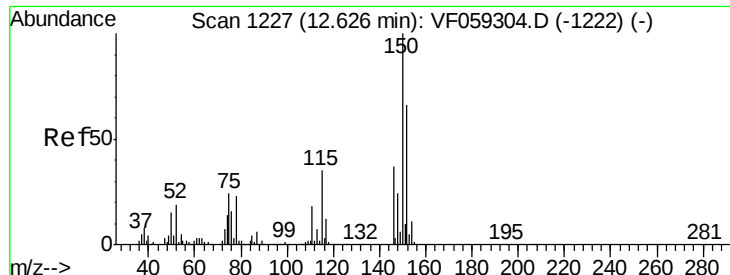


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059395.D

Acq: 2 Jul 2018 19:00

Instrument :

MSVOA_F

ClientSampleId :

CF-1(15.0)RE

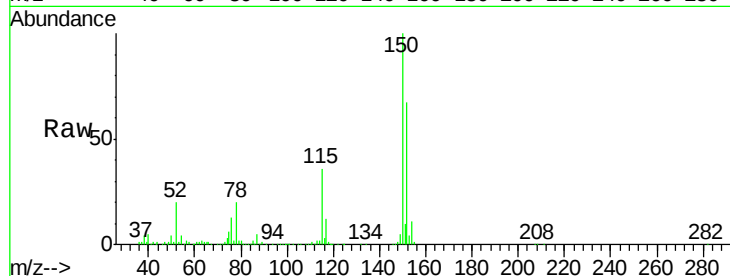
Tot Ion:152 Resp: 181269

Ion Ratio Lower Upper

152 100

115 53.4 27.1 81.3

150 149.6 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

