

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059390.D
 Acq On : 2 Jul 2018 16:41
 Operator : VA/AP
 Sample : J3802-04
 Misc : 8.83g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CF-4(3.0)

Quant Time: Jul 03 01:52:01 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	171716	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	264449	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	98426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	118924	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	168281	75.85	ug/l	-0.01
Spiked Amount			Recovery	=	151.70%	
35) Dibromofluoromethane	4.26	113	135372	70.06	ug/l	-0.01
Spiked Amount			Recovery	=	140.12%	
50) Toluene-d8	7.69	98	14429	3.02	ug/l	-0.01
Spiked Amount			Recovery	=	6.04%	
62) 4-Bromofluorobenzene	11.50	95	135418	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	

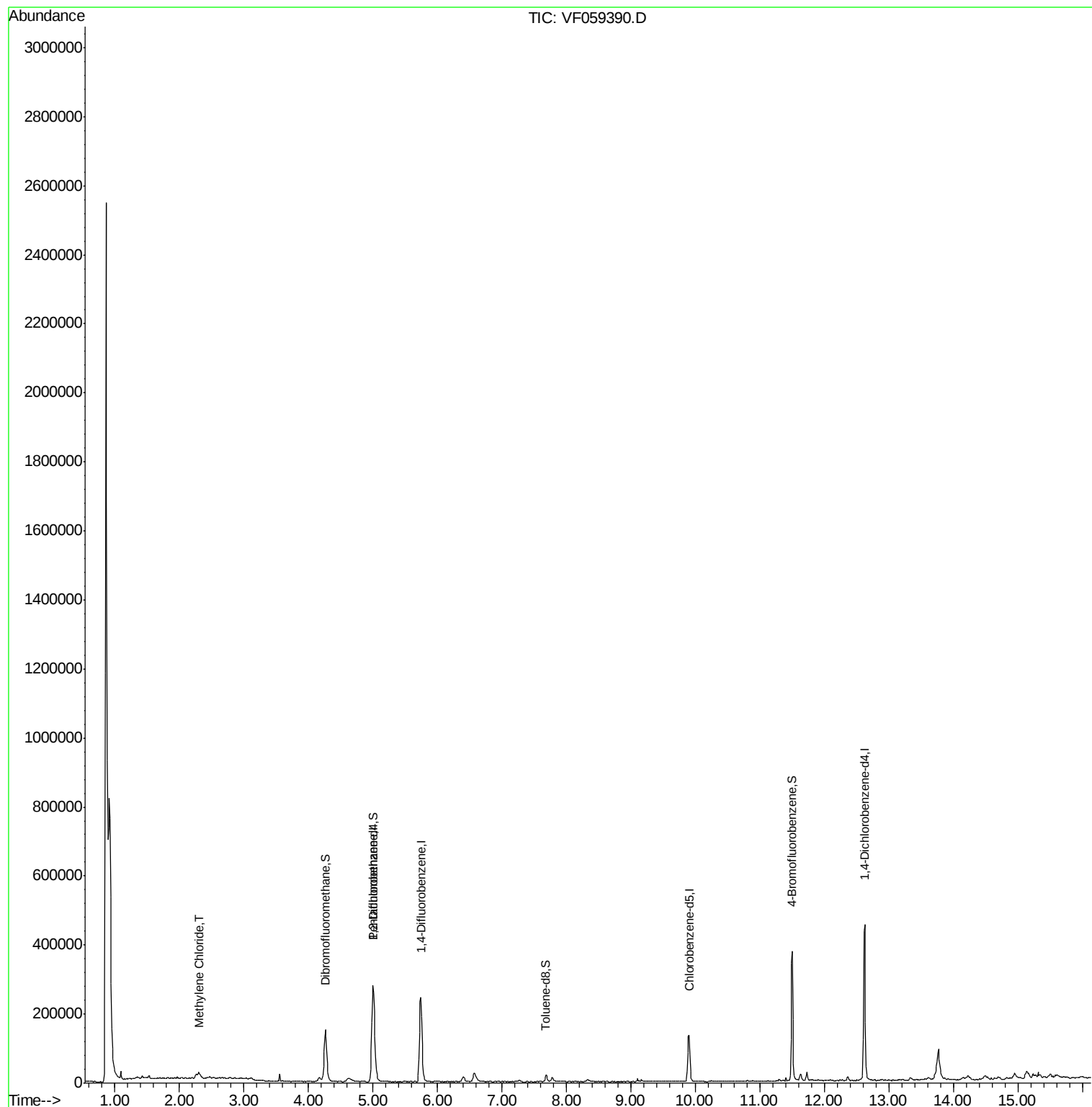
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.29	84	12630	3.24	ug/l	88

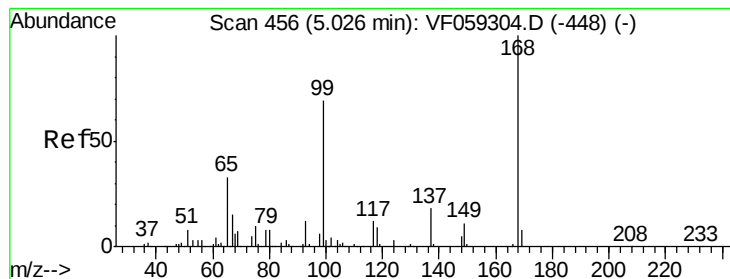
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

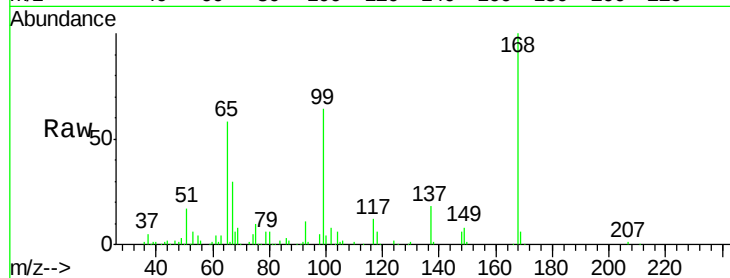
CF-4(3.0)

Tot Ion:168 Resp: 171716

Ion Ratio Lower Upper

168 100

99 64.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

60000

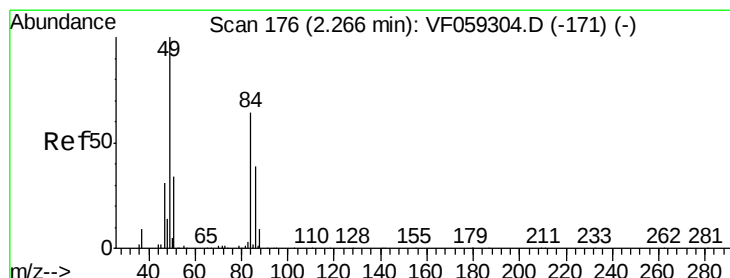
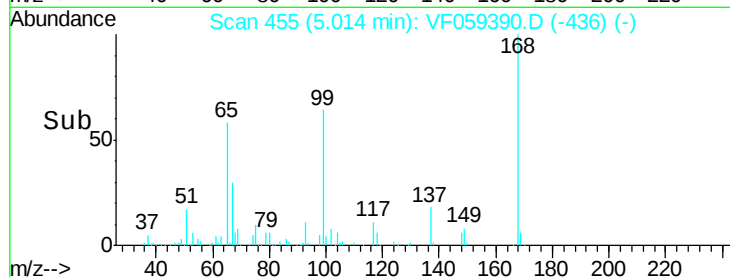
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 3.24 ug/l

RT: 2.29 min Scan# 179

Delta R.T. 0.03 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Tgt Ion: 84 Resp: 12630

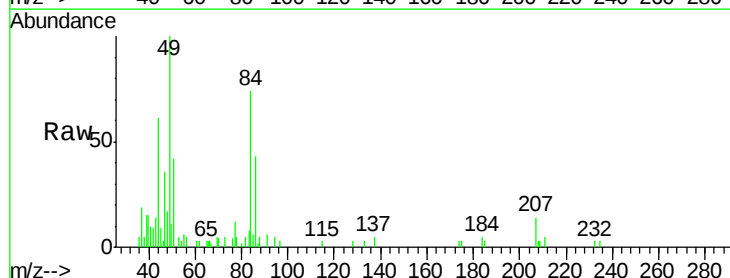
Ion Ratio Lower Upper

84 100

49 135.7 126.5 189.7

51 57.4 42.9 64.3

86 57.8 48.6 73.0



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

6000

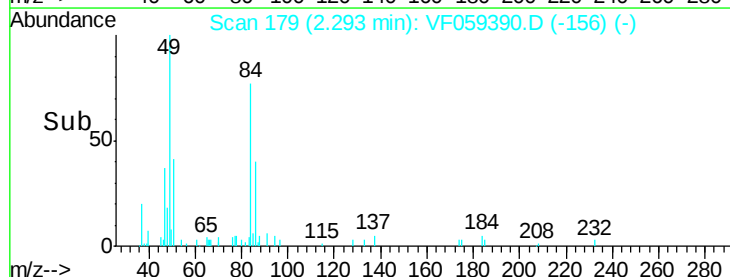
4000

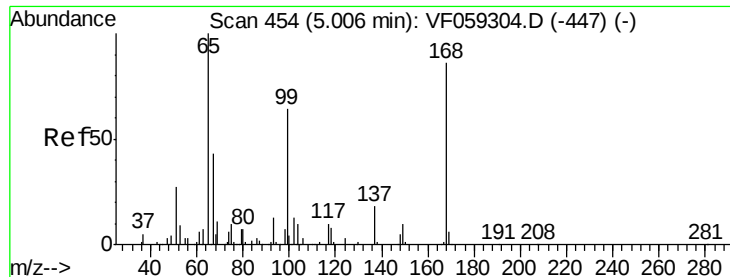
2000

0

Time-->

2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 75.85 ug/l

RT: 4.99 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

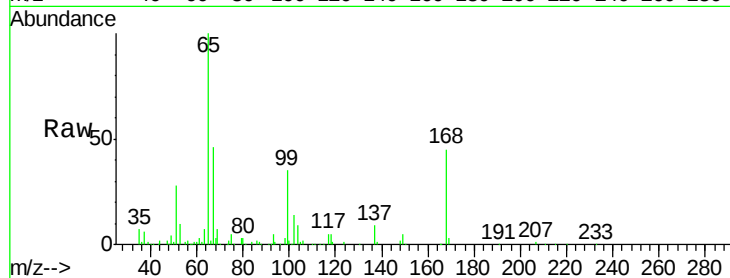
CF-4(3.0)

Tot Ion: 65 Resp: 168281

Ion Ratio Lower Upper

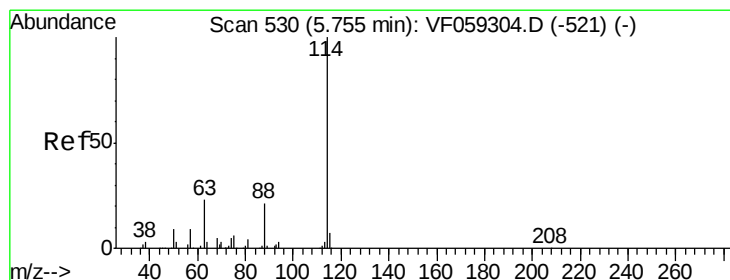
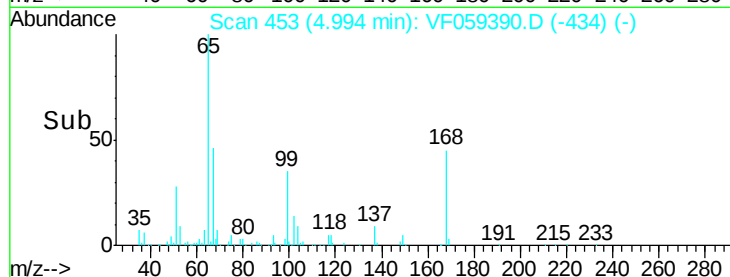
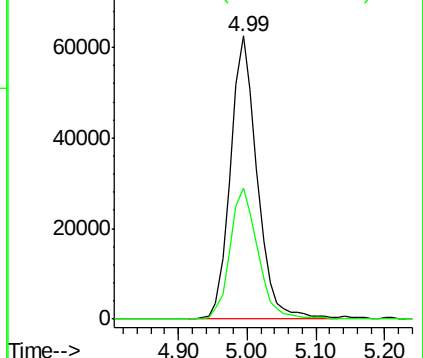
65 100

67 46.3 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: 50.00 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

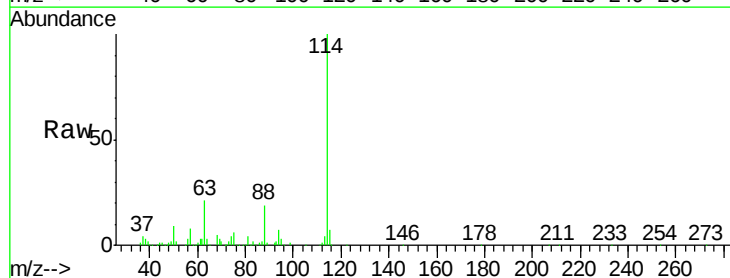
Tgt Ion:114 Resp: 264449

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.8

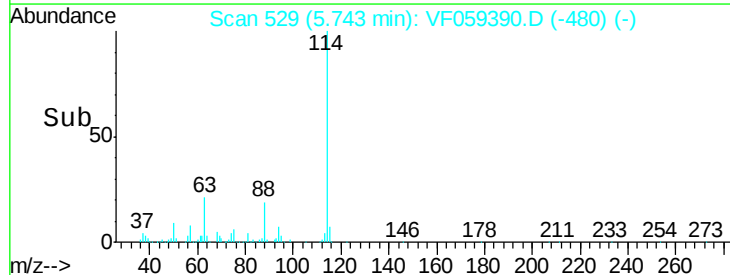
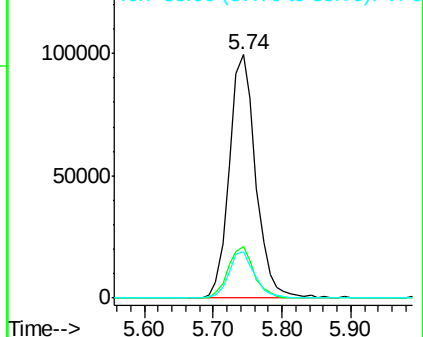
88 19.4 0.0 41.2



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: 70.06 ug/l

RT: 4.26 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)

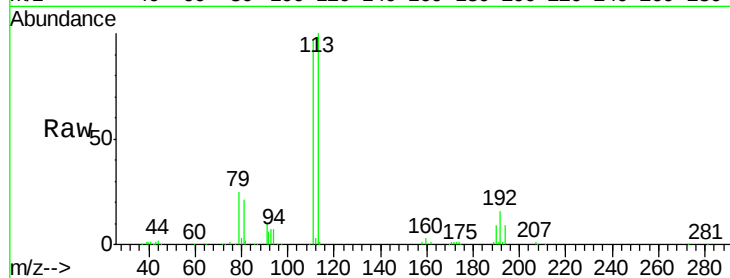
Tot Ion:113 Resp: 135372

Ion Ratio Lower Upper

113 100

111 95.7 82.1 123.1

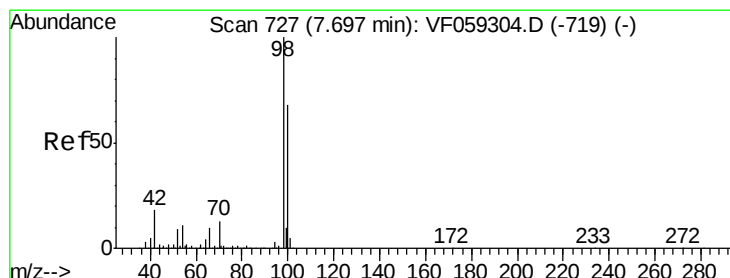
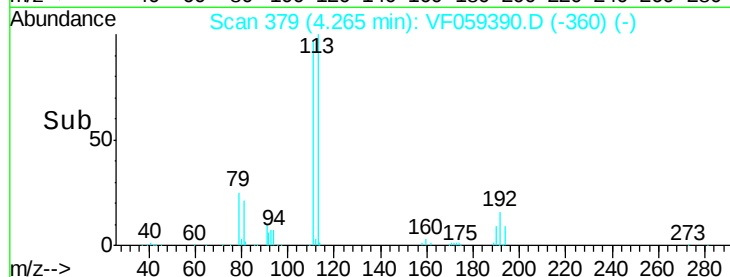
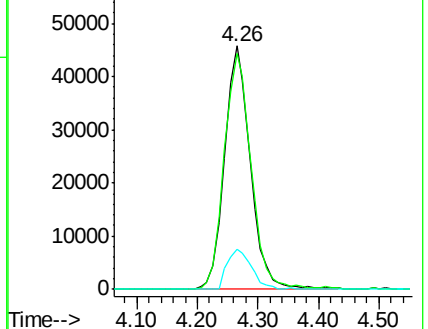
192 16.1 13.0 19.6



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: 3.02 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059390.D

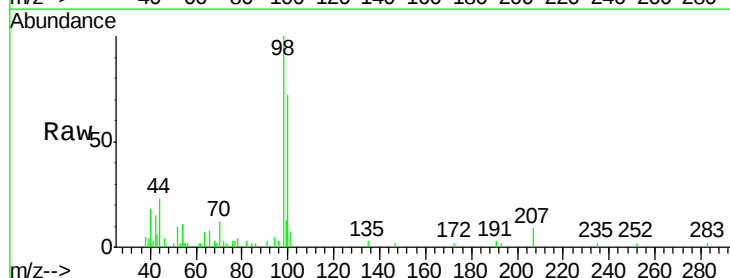
Acq: 2 Jul 2018 16:41

Tgt Ion: 98 Resp: 14429

Ion Ratio Lower Upper

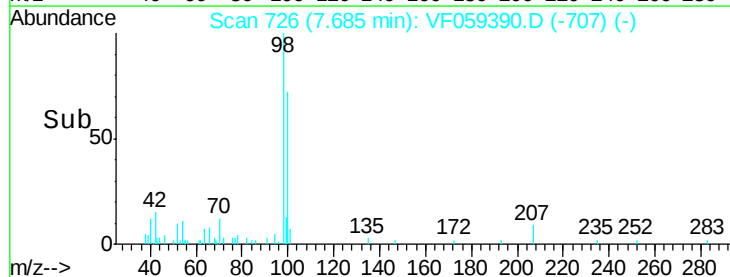
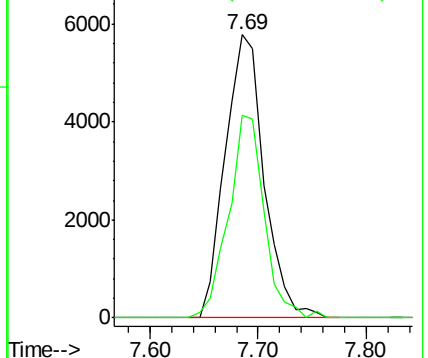
98 100

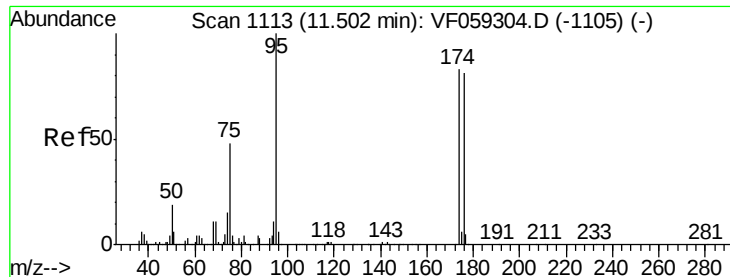
100 71.8 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 50.18 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)

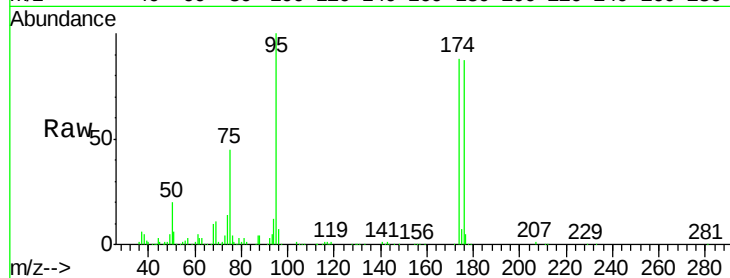
Tot Ion: 95 Resp: 135418

Ion Ratio Lower Upper

95 100

174 88.4 0.0 165.2

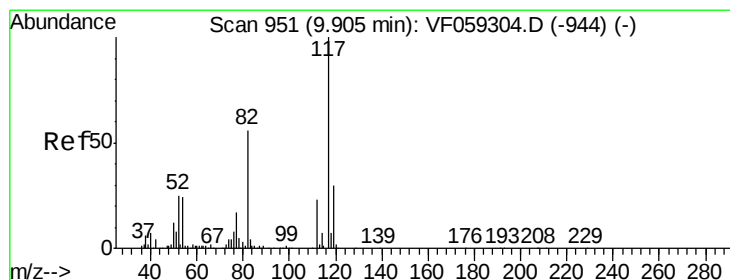
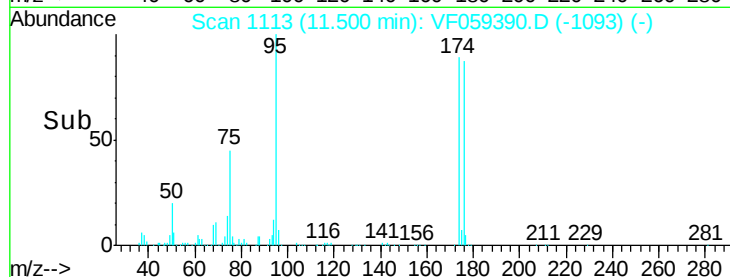
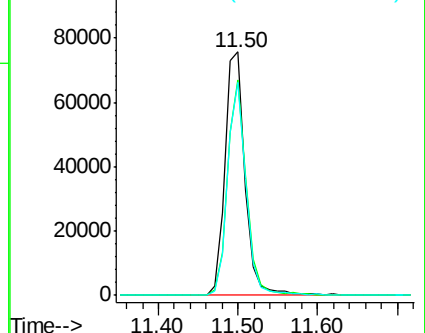
176 87.2 0.0 161.0



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: 9.90 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

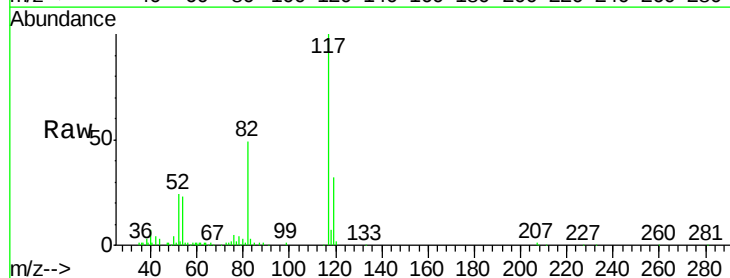
Tgt Ion: 117 Resp: 98426

Ion Ratio Lower Upper

117 100

82 49.1 44.6 66.8

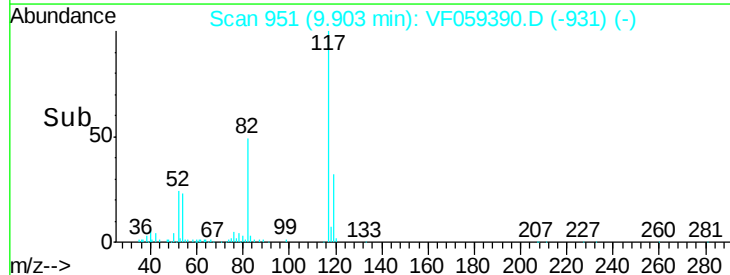
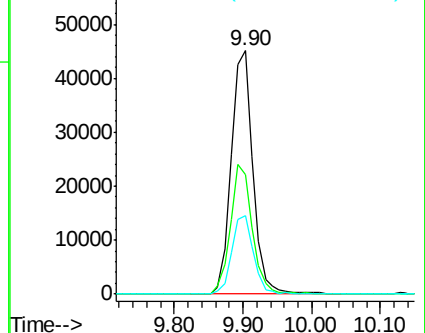
119 32.2 24.1 36.1

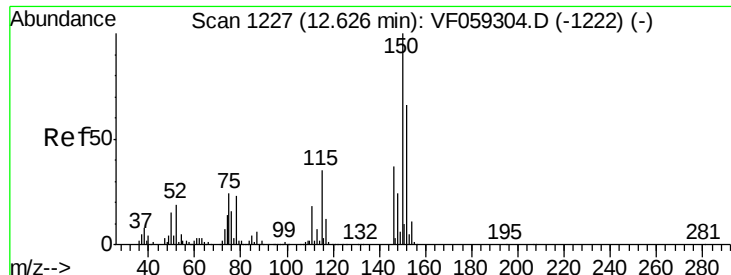


Abundance Ion 117.00 (116.70 to 117.70): V

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: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)

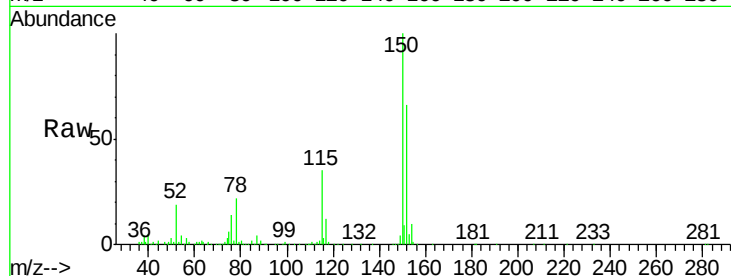
Tot Ion:152 Resp: 118924

Ion Ratio Lower Upper

152 100

115 53.4 27.1 81.3

150 151.2 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

