

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059342.D
 Acq On : 27 Jun 2018 16:41
 Operator : VA/AP
 Sample : J3677-02
 Misc : 5.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 93-95-B1(10-15)

Quant Time: Jun 28 02:02:46 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	5.03	168	193742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	314849	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	304632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	179429	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	110953	44.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.66%	
35) Dibromofluoromethane	4.29	113	97560	42.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.82%	
50) Toluene-d8	7.70	98	220741	38.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.52%	
62) 4-Bromofluorobenzene	11.50	95	123882	38.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.12%	

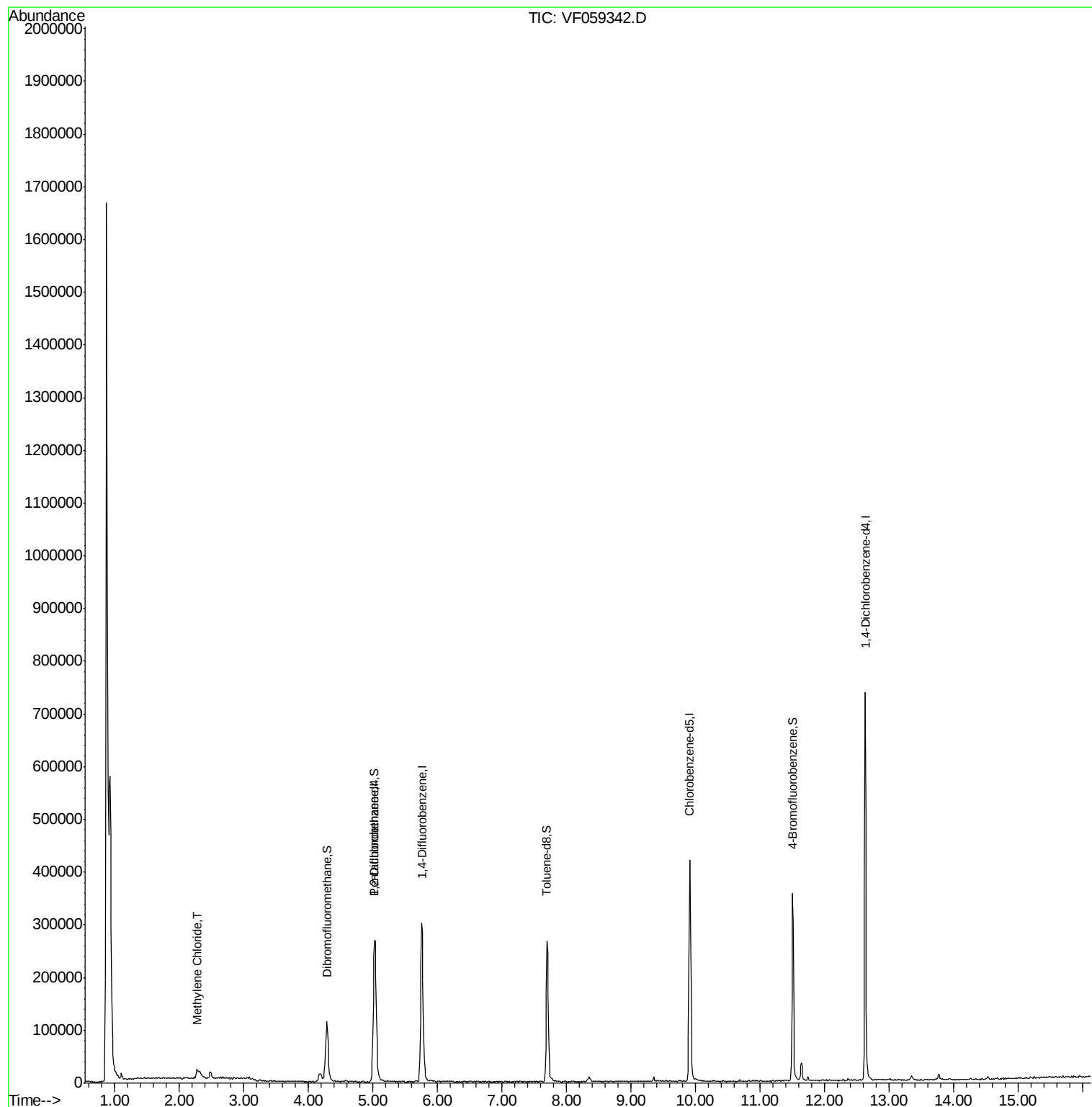
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.27	84	12147	1.48	ug/l	# 78

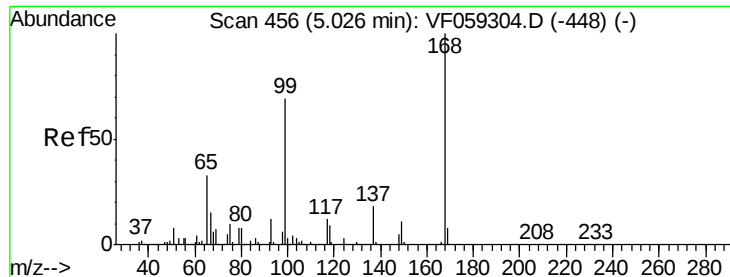
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059342.D

Acq: 27 Jun 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

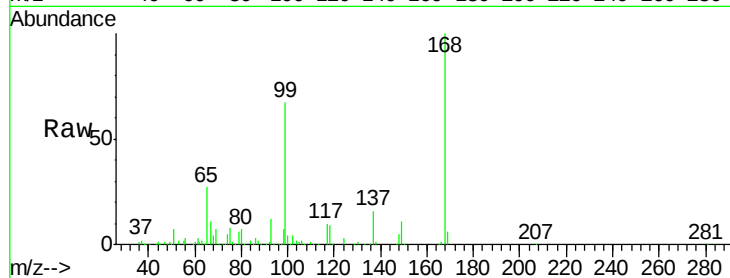
93-95-B1(10-15)

Tot Ion:168 Resp: 193742

Ion Ratio Lower Upper

168 100

99 67.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

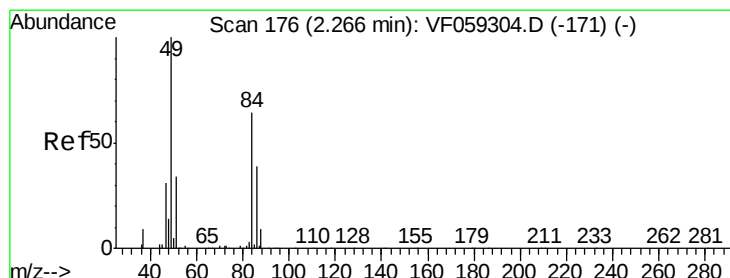
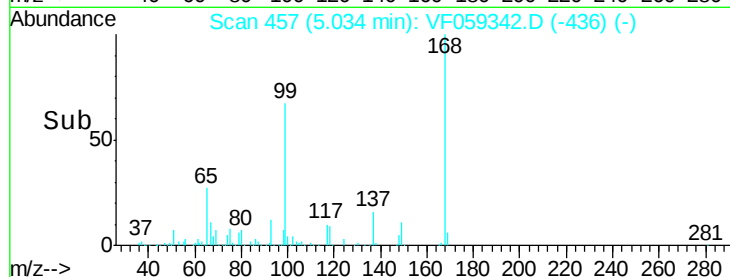
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 1.48 ug/l

RT: 2.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF059342.D

Acq: 27 Jun 2018 16:41

Tgt Ion: 84 Resp: 12147

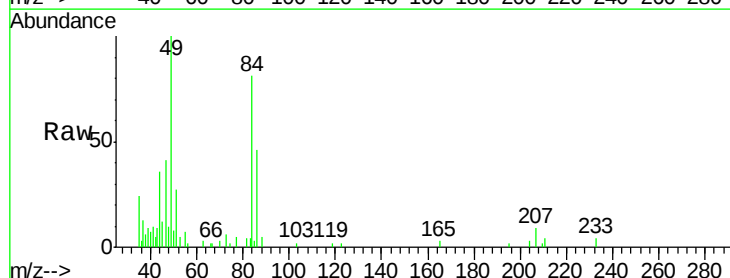
Ion Ratio Lower Upper

84 100

49 123.7 126.5 189.7#

51 33.9 42.9 64.3#

86 57.0 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

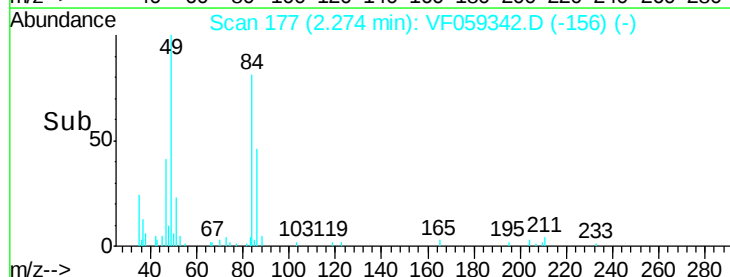
4000

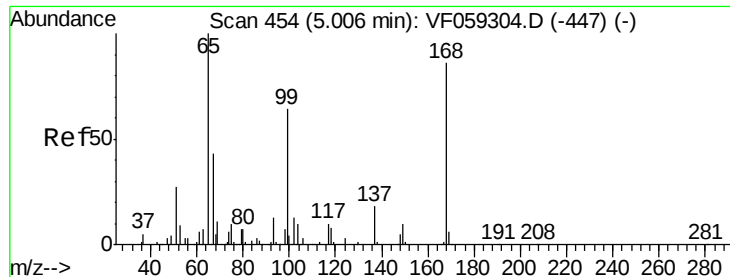
2000

0

Time-->

2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 44.33 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059342.D

Acq: 27 Jun 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

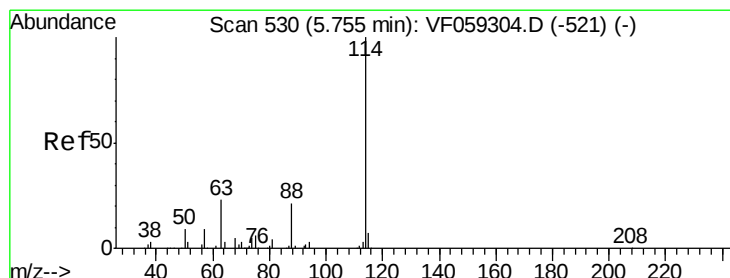
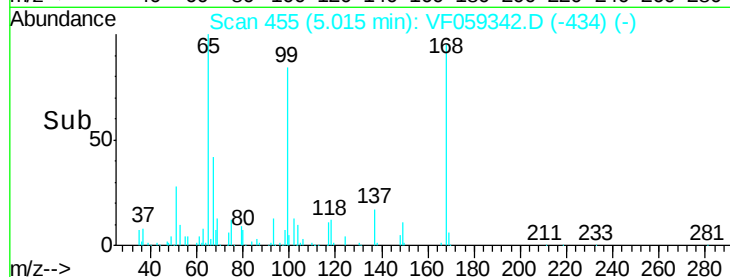
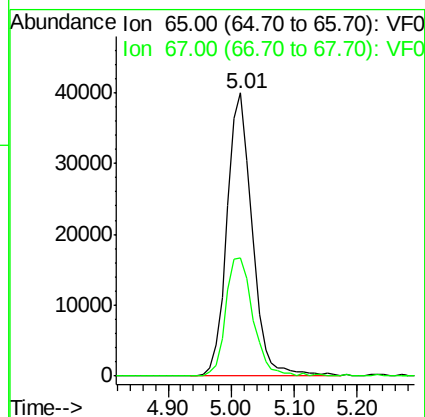
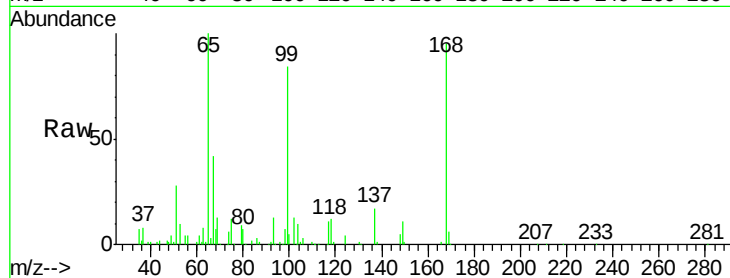
93-95-B1(10-15)

Tot Ion: 65 Resp: 110953

Ion Ratio Lower Upper

65 100

67 41.6 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059342.D

Acq: 27 Jun 2018 16:41

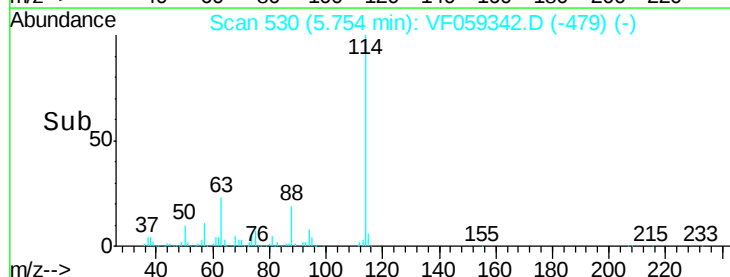
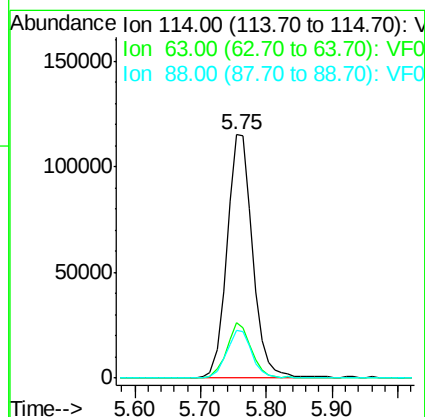
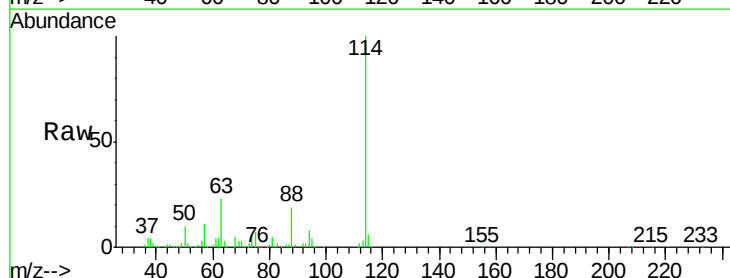
Tgt Ion:114 Resp: 314849

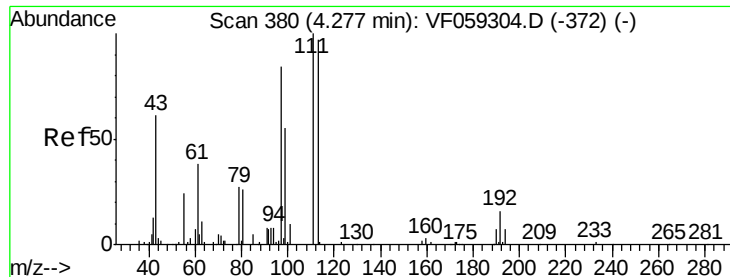
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.8

88 19.4 0.0 41.2

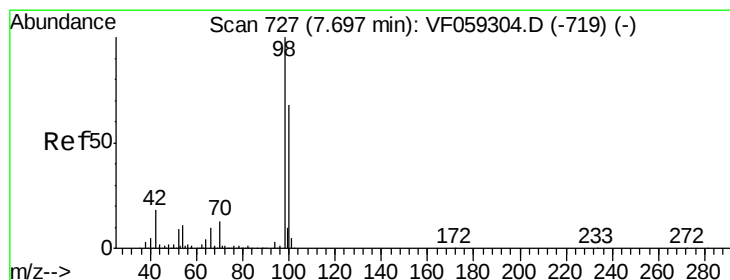
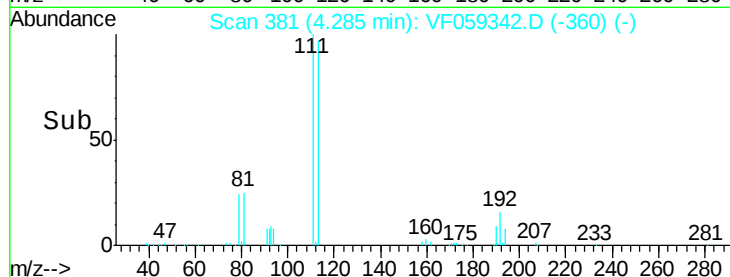
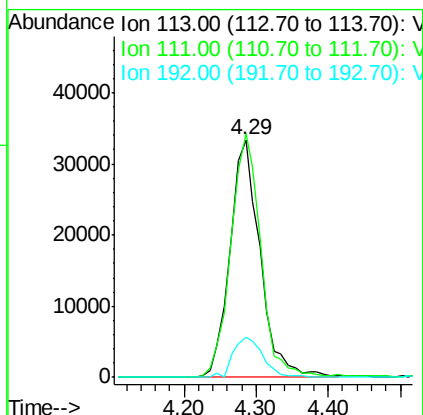
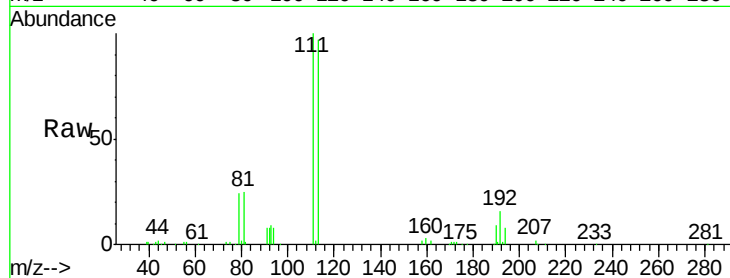




#35
 Dibromofluoromethane
 Concen: 42.41 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059342.D
 Acq: 27 Jun 2018 16:41

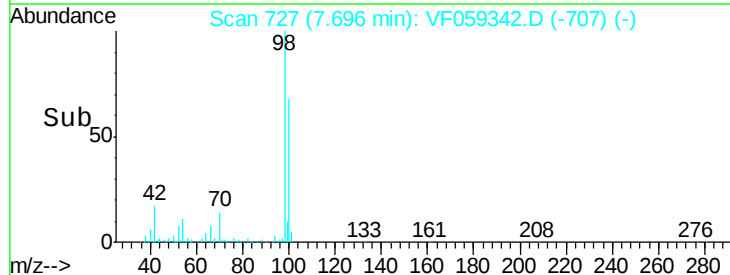
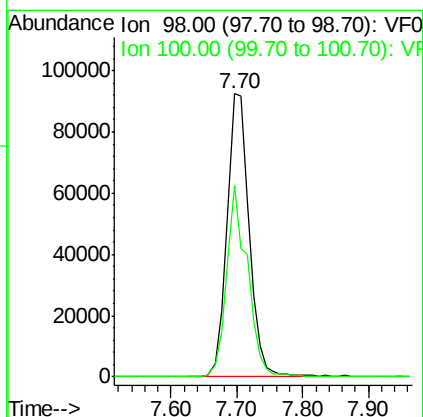
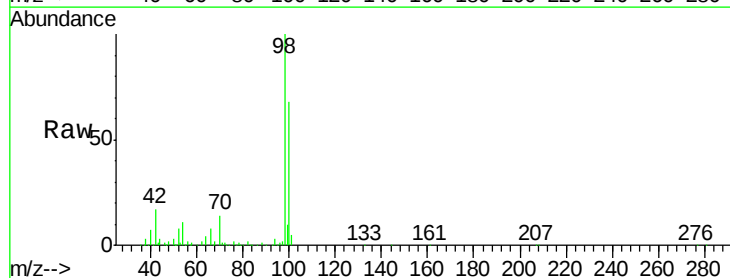
Instrument :
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 ClientSampleId :
 93-95-B1(10-15)

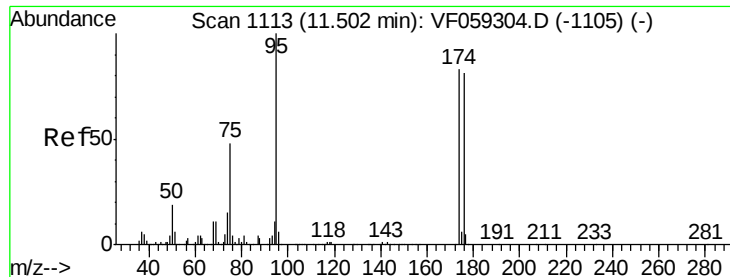
Tot Ion:113 Resp: 97560
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.1 123.1
 192 16.8 13.0 19.6



#50
 Toluene-d8
 Concen: 38.76 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VF059342.D
 Acq: 27 Jun 2018 16:41

Tgt Ion: 98 Resp: 220741
 Ion Ratio Lower Upper
 98 100
 100 67.8 54.6 82.0





#62

4-Bromofluorobenzene

Concen: 38.56 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059342.D

Acq: 27 Jun 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

93-95-B1(10-15)

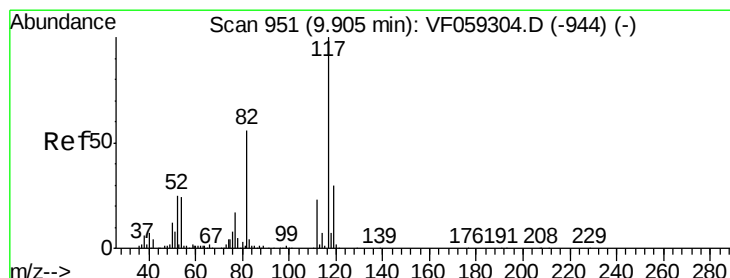
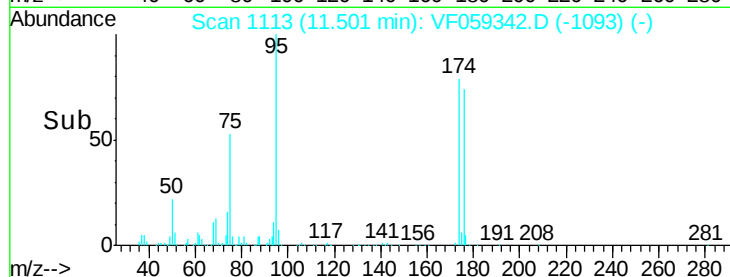
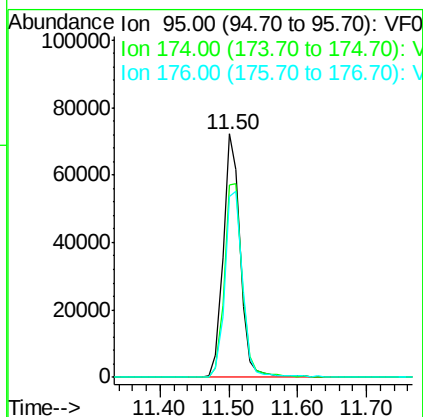
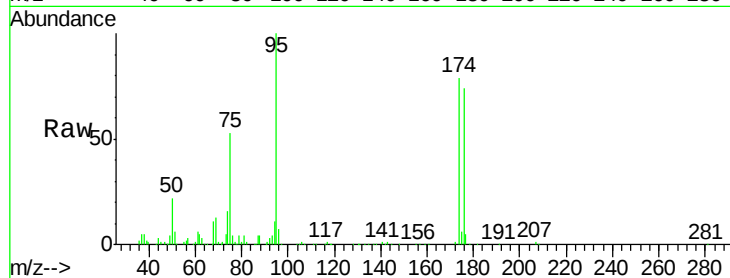
Tot Ion: 95 Resp: 123882

Ion Ratio Lower Upper

95 100

174 78.8 0.0 165.2

176 74.2 0.0 161.0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF059342.D

Acq: 27 Jun 2018 16:41

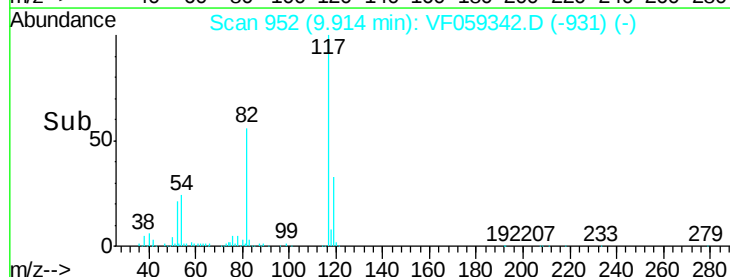
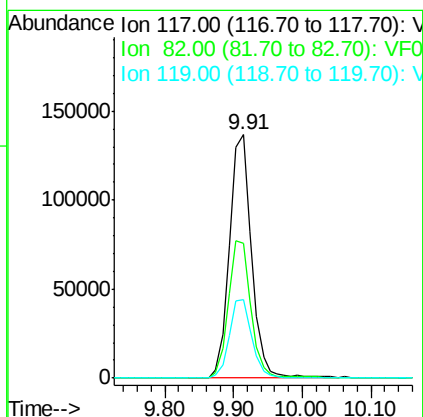
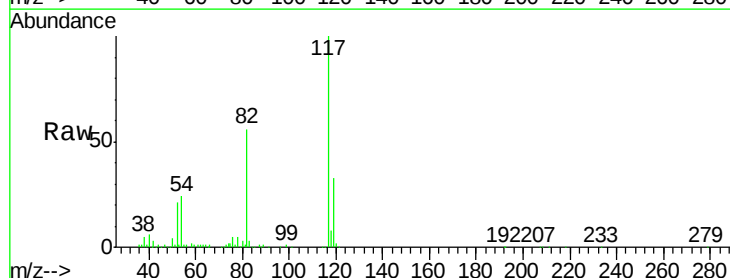
Tgt Ion: 117 Resp: 304632

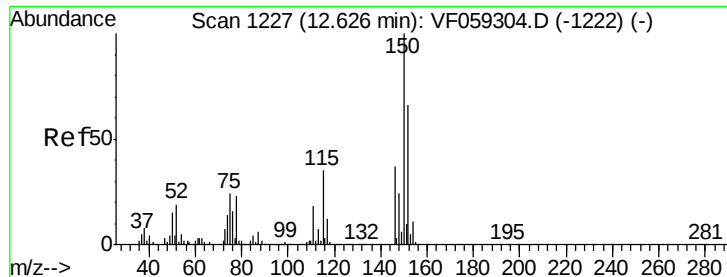
Ion Ratio Lower Upper

117 100

82 55.6 44.6 66.8

119 32.5 24.1 36.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059342.D

Acq: 27 Jun 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

93-95-B1(10-15)

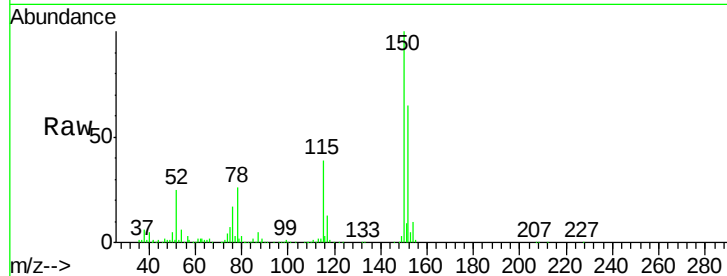
Tot Ion:152 Resp: 179429

Ion Ratio Lower Upper

152 100

115 60.6 27.1 81.3

150 154.6 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

