

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059351.D
 Acq On : 27 Jun 2018 20:50
 Operator : VA/AP
 Sample : J3677-11
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 147-149-B3(0-5)

Quant Time: Jun 28 02:33:22 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	185152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	281653	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	277532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	162666	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	106143	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
35) Dibromofluoromethane	4.28	113	96177	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	7.71	98	199276	39.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.22%	
62) 4-Bromofluorobenzene	11.50	95	107852	37.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.04%	

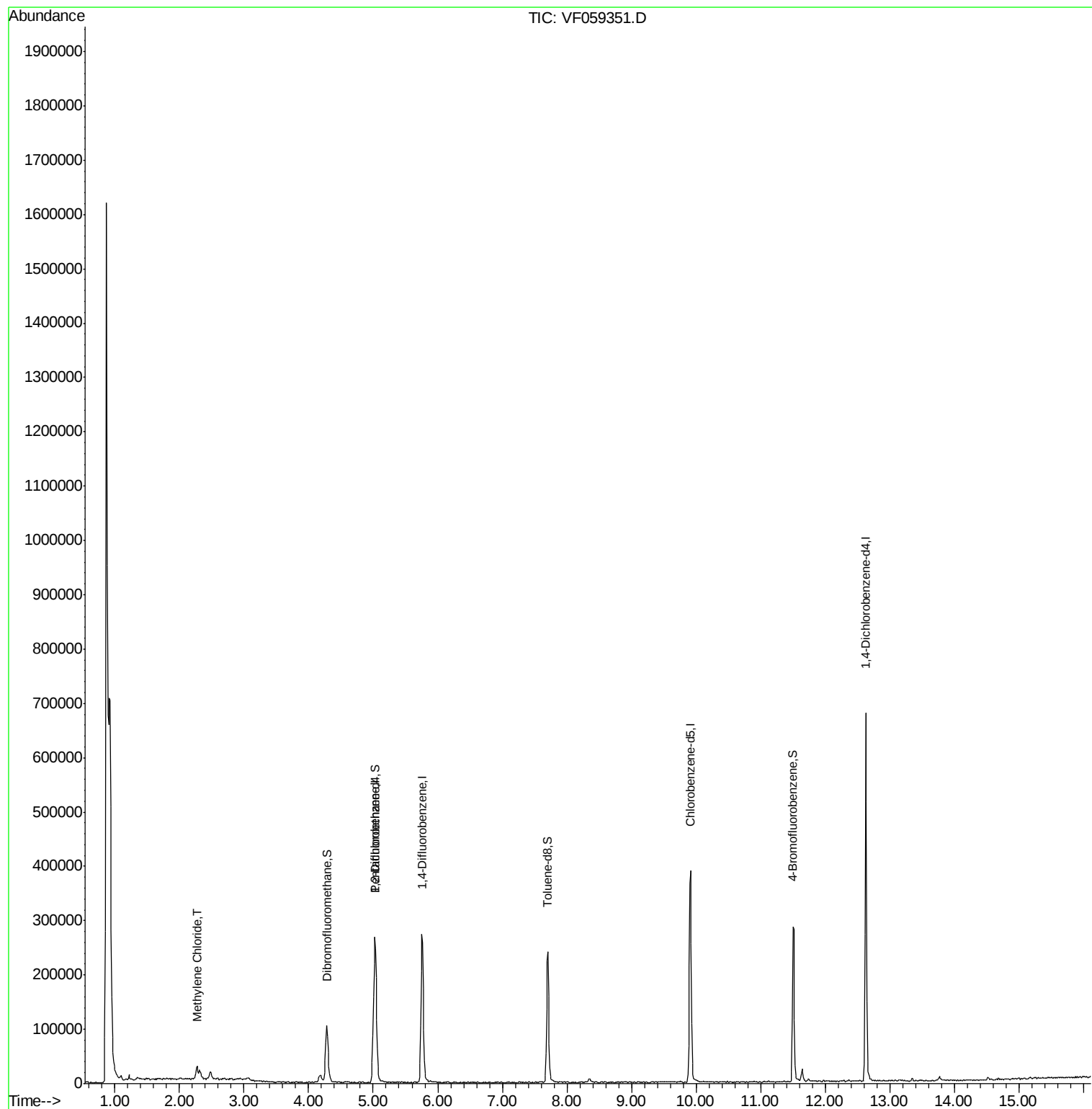
Target Compounds						Qvalue
20) Methylene Chloride	2.27	84	15289	4.70	ug/l	# 87

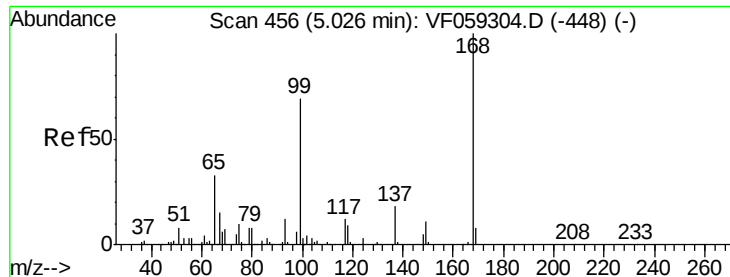
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059351.D

Acq: 27 Jun 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

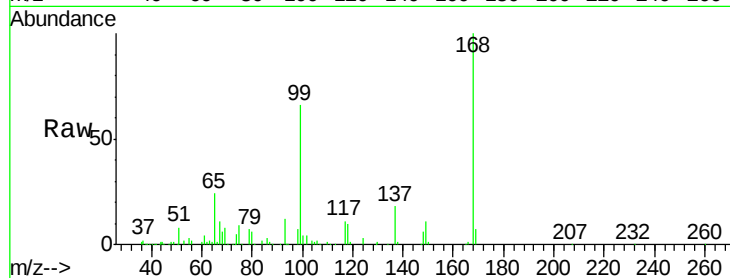
147-149-B3(0-5)

Tot Ion:168 Resp: 185152

Ion Ratio Lower Upper

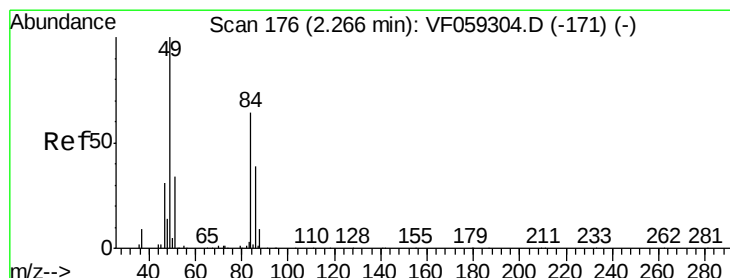
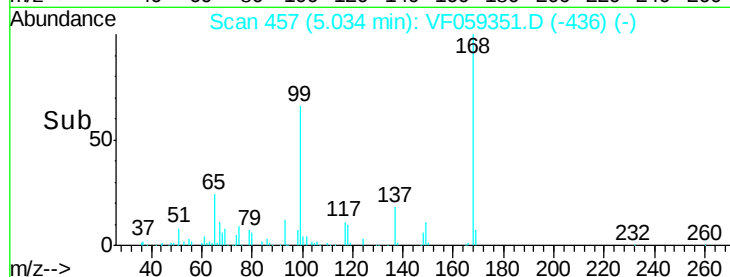
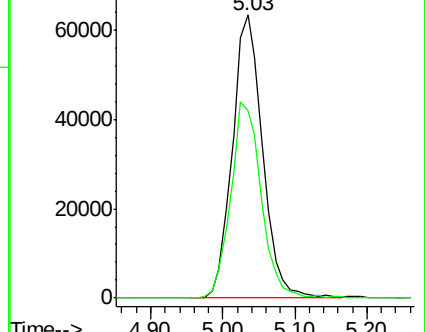
168 100

99 66.2 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#20

Methylene Chloride

Concen: 4.70 ug/l

RT: 2.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF059351.D

Acq: 27 Jun 2018 20:50

Tgt Ion: 84 Resp: 15289

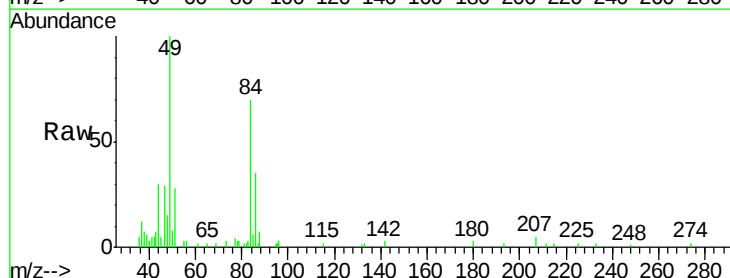
Ion Ratio Lower Upper

84 100

49 143.8 126.5 189.7

51 39.7 42.9 64.3#

86 50.8 48.6 73.0

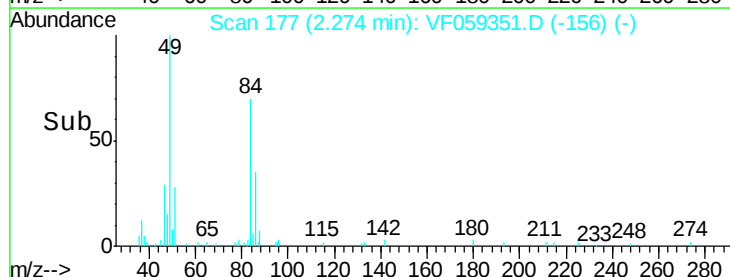
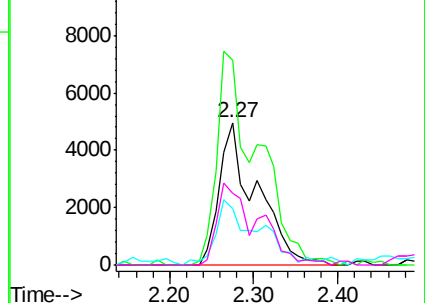


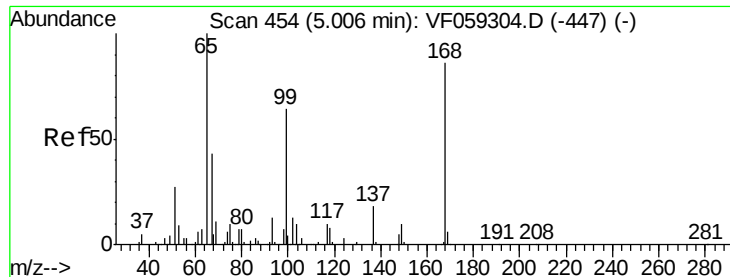
Abundance Ion 84.00 (83.70 to 84.70): VF0

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





#33

1,2-Dichloroethane-d4

Concen: 44.37 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059351.D

Acq: 27 Jun 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

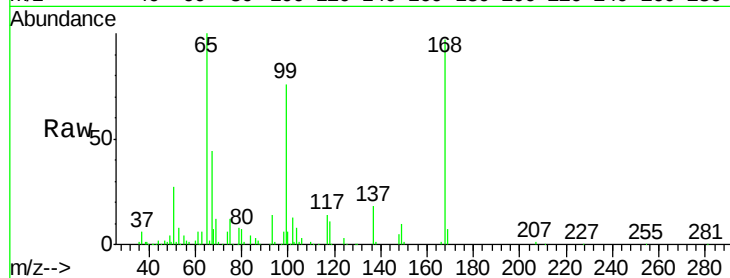
147-149-B3(0-5)

Tot Ion: 65 Resp: 106143

Ion Ratio Lower Upper

65 100

67 44.1 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

40000

30000

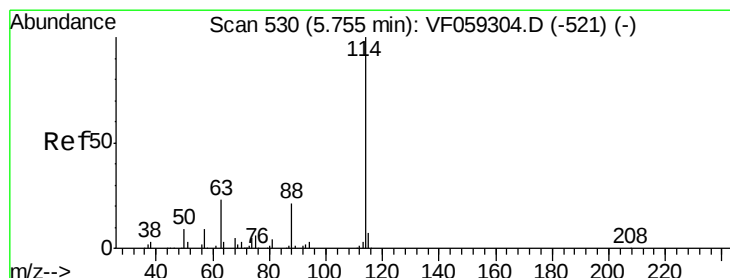
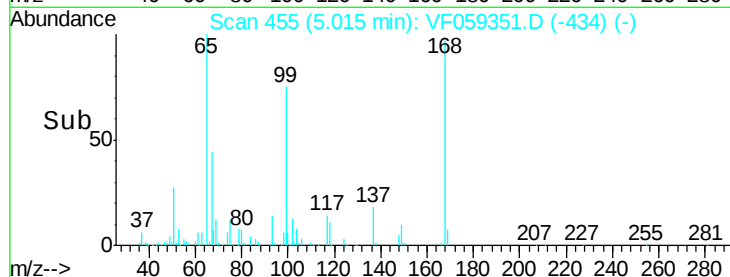
20000

10000

0

Time-->

4.90 5.01 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059351.D

Acq: 27 Jun 2018 20:50

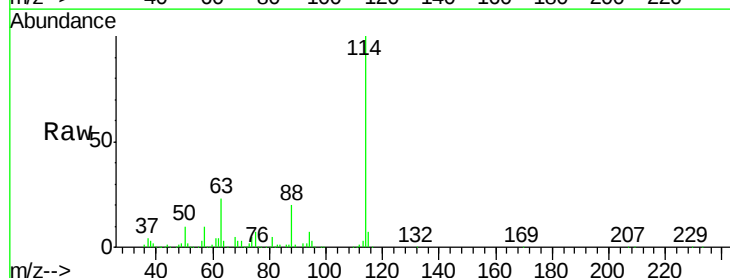
Tgt Ion:114 Resp: 281653

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.8

88 20.1 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

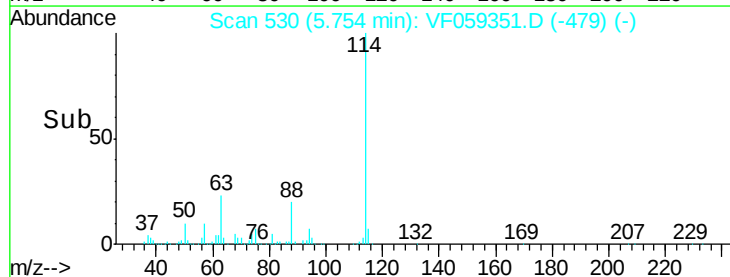
100000

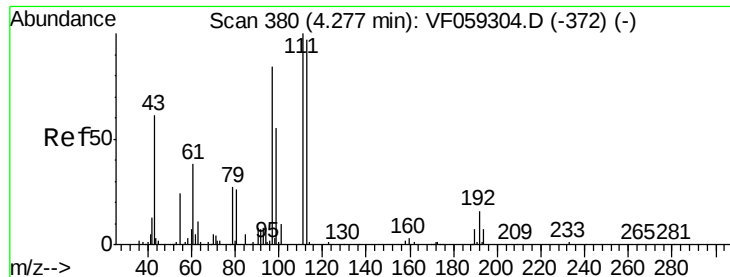
50000

0

Time-->

5.60 5.75 5.80 5.90

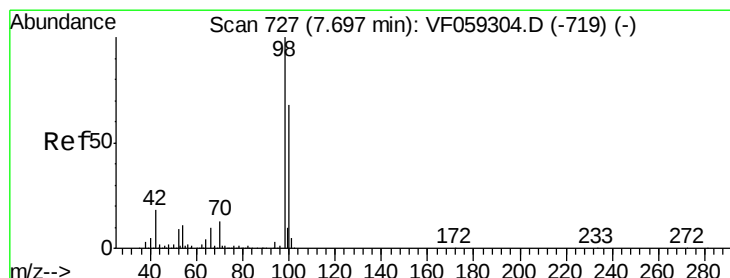
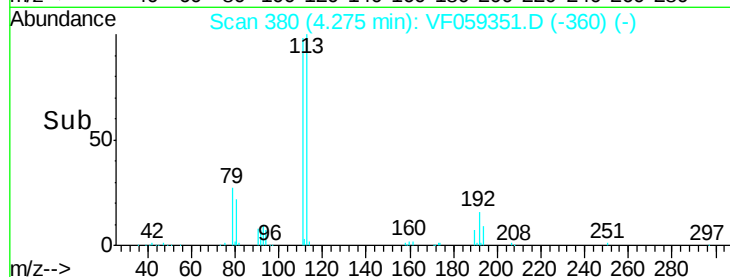
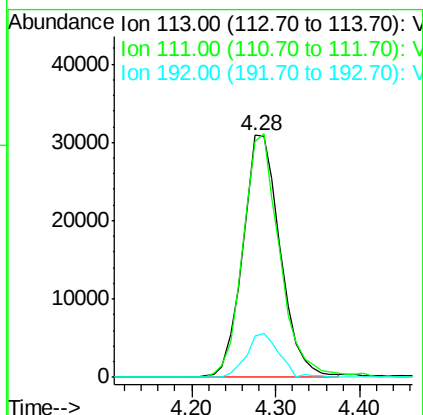
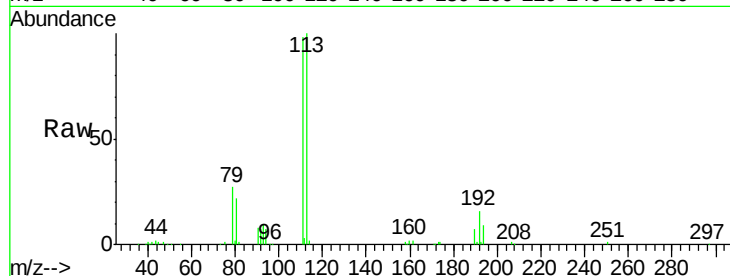




#35
 Dibromofluoromethane
 Concen: 46.73 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VF059351.D
 Acq: 27 Jun 2018 20:50

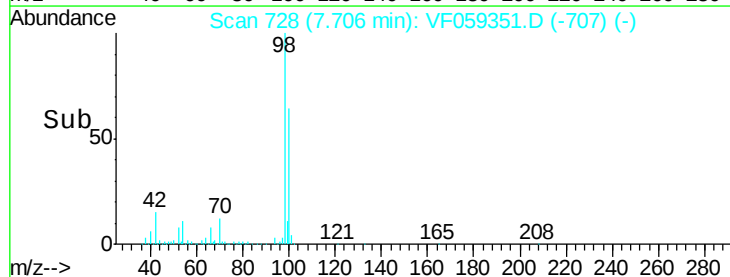
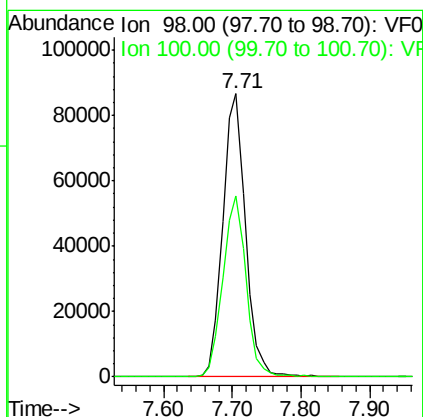
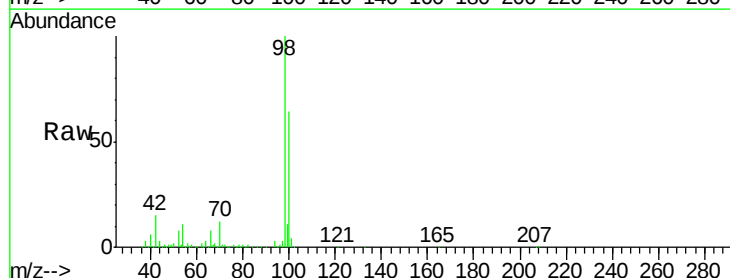
Instrument :
 MSVOA_F
 ClientSampleId :
 147-149-B3(0-5)

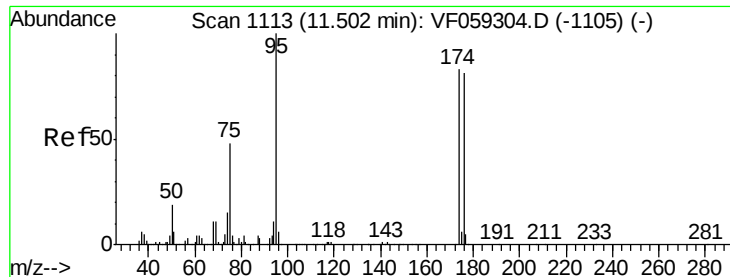
Tot Ion:113 Resp: 96177
 Ion Ratio Lower Upper
 113 100
 111 97.7 82.1 123.1
 192 17.2 13.0 19.6



#50
 Toluene-d8
 Concen: 39.11 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VF059351.D
 Acq: 27 Jun 2018 20:50

Tgt Ion: 98 Resp: 199276
 Ion Ratio Lower Upper
 98 100
 100 64.1 54.6 82.0





#62

4-Bromofluorobenzene

Concen: 37.52 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059351.D

Acq: 27 Jun 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

147-149-B3(0-5)

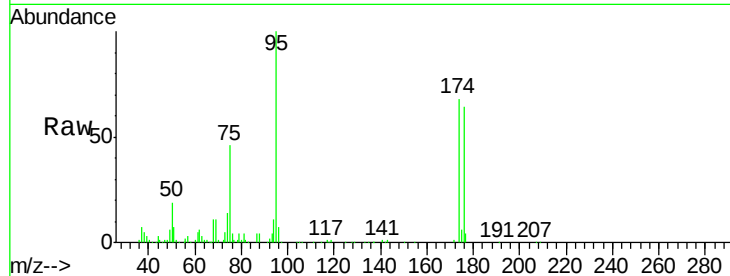
Tot Ion: 95 Resp: 107852

Ion Ratio Lower Upper

95 100

174 68.5 0.0 165.2

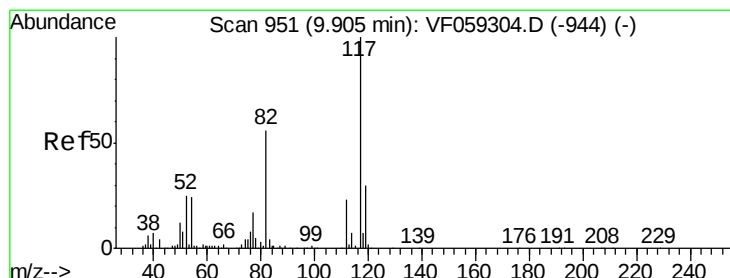
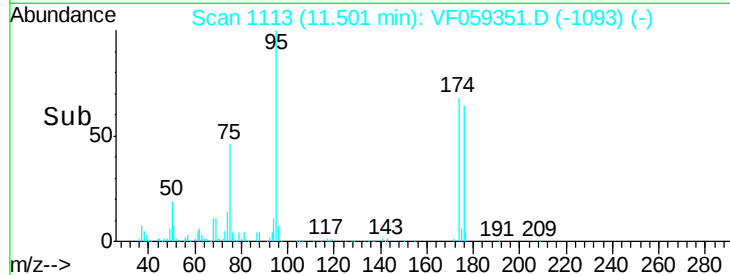
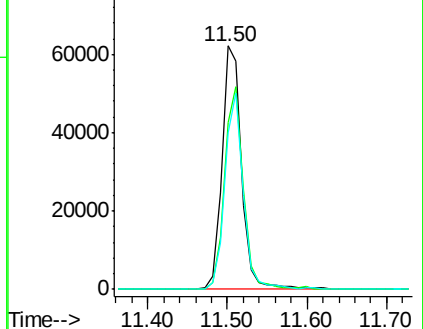
176 64.1 0.0 161.0



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: 9.91 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF059351.D

Acq: 27 Jun 2018 20:50

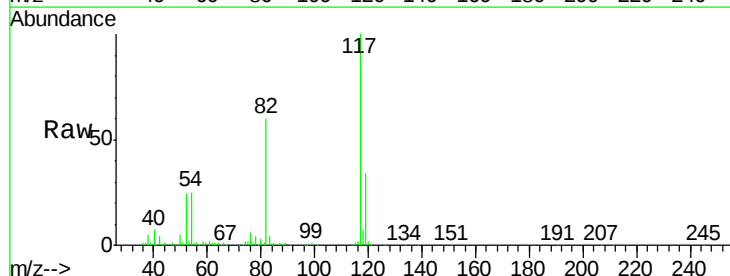
Tgt Ion: 117 Resp: 277532

Ion Ratio Lower Upper

117 100

82 59.6 44.6 66.8

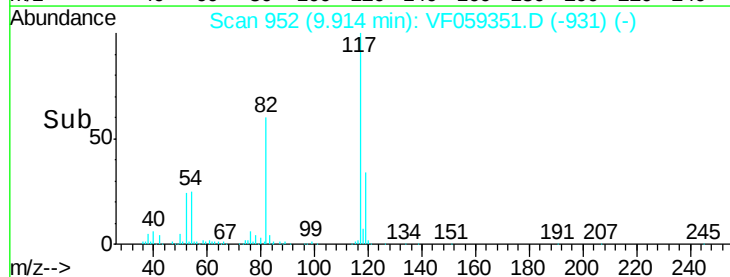
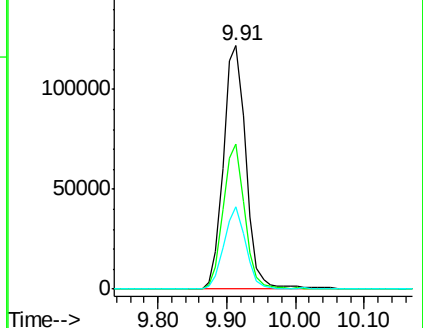
119 33.9 24.1 36.1

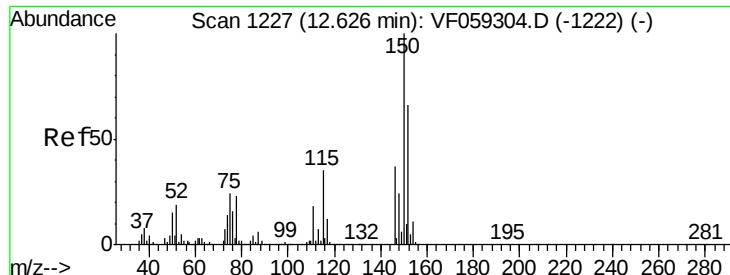


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: VF059351.D

Acq: 27 Jun 2018 20:50

Instrument :

MSVOA_F

ClientSampleId :

147-149-B3(0-5)

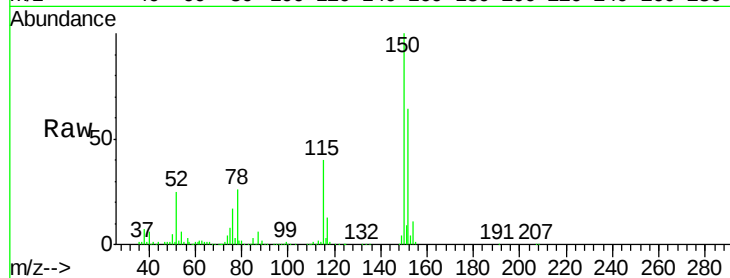
Tot Ion:152 Resp: 162666

Ion Ratio Lower Upper

152 100

115 62.5 27.1 81.3

150 156.2 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

