

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059339.D
 Acq On : 27 Jun 2018 15:18
 Operator : VA/AP
 Sample : J3629-15
 Misc : 6.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C22-01

Quant Time: Jun 28 01:55:27 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	204437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	334913	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	294677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	139618	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	113092	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	
35) Dibromofluoromethane	4.28	113	106424	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
50) Toluene-d8	7.70	98	225916	37.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.58%	
62) 4-Bromofluorobenzene	11.50	95	110846	32.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.86%	

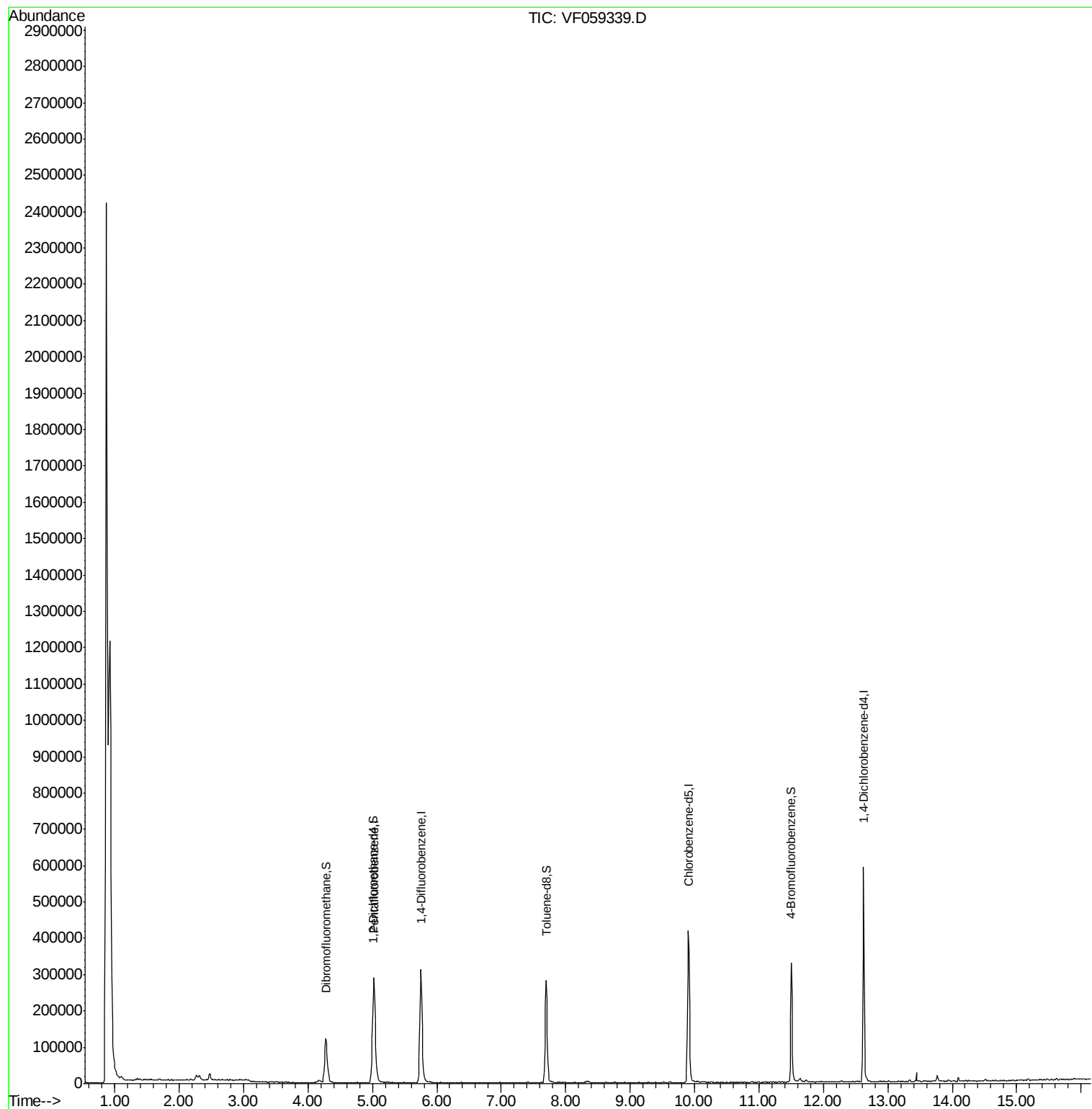
Target Compounds	Qvalue

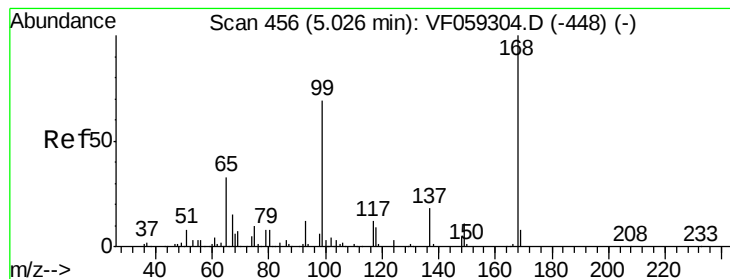
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059339.D

Acq: 27 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

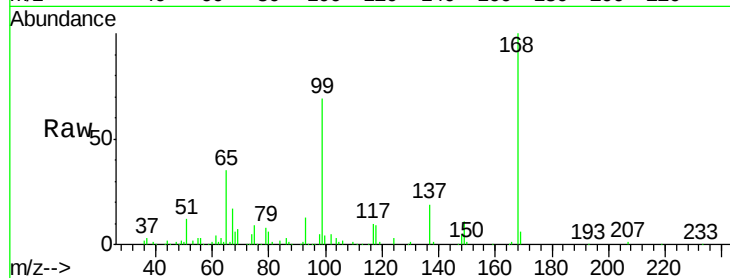
A0C22-01

Tot Ion:168 Resp: 204437

Ion Ratio Lower Upper

168 100

99 69.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

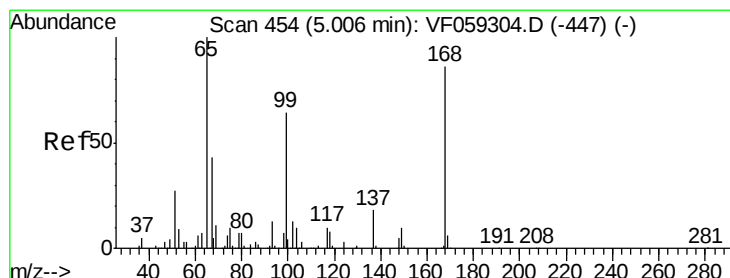
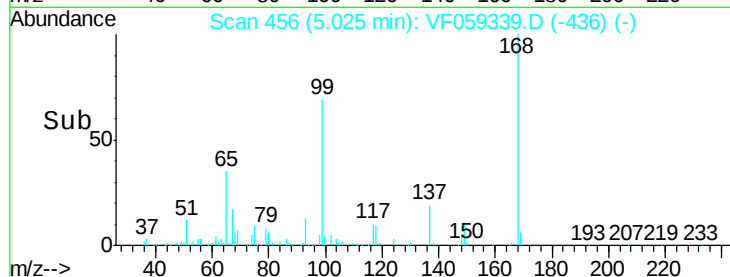
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 42.82 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059339.D

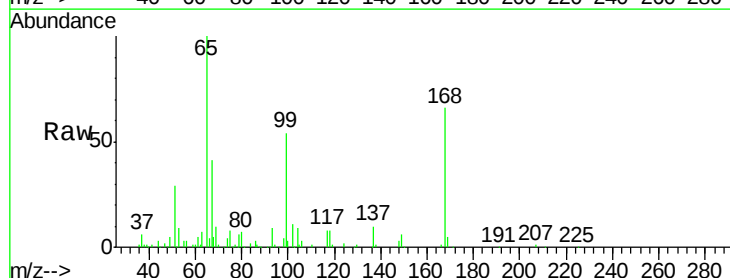
Acq: 27 Jun 2018 15:18

Tgt Ion: 65 Resp: 113092

Ion Ratio Lower Upper

65 100

67 41.4 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

40000

30000

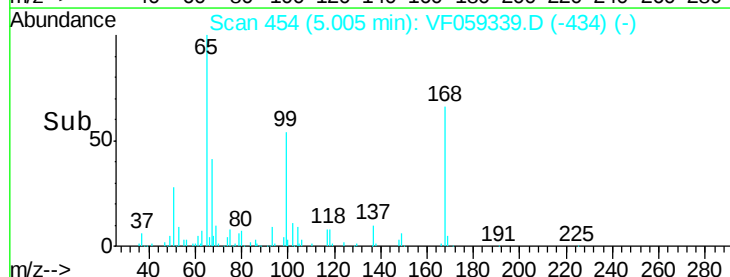
20000

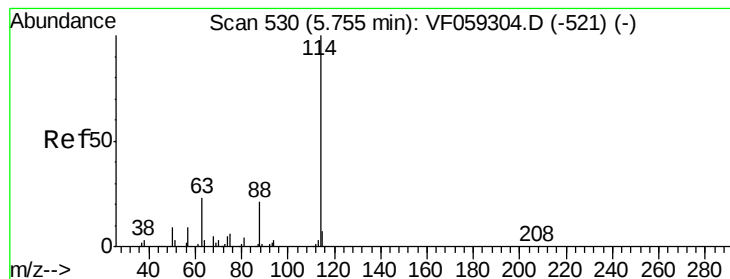
10000

0

Time-->

4.90 5.00 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: VF059339.D

Acq: 27 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampleId :

A0C22-01

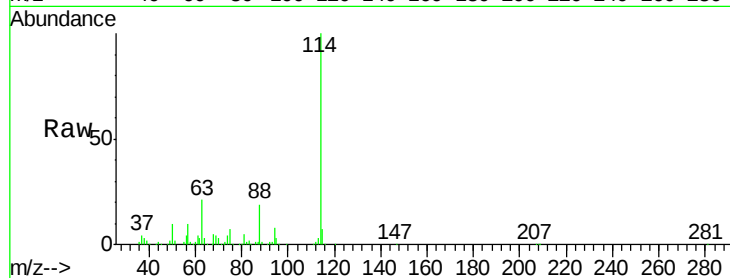
Tot Ion:114 Resp: 334913

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.8

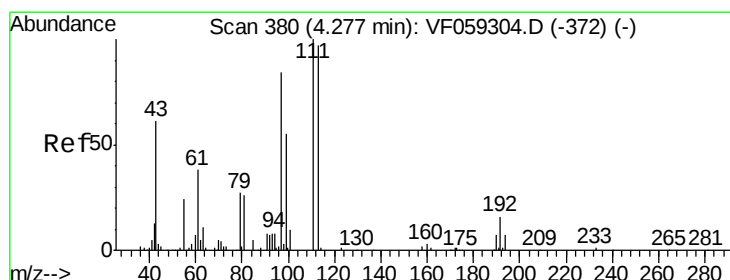
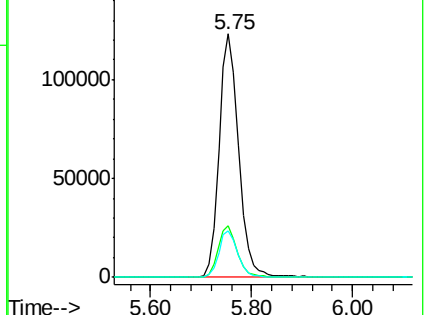
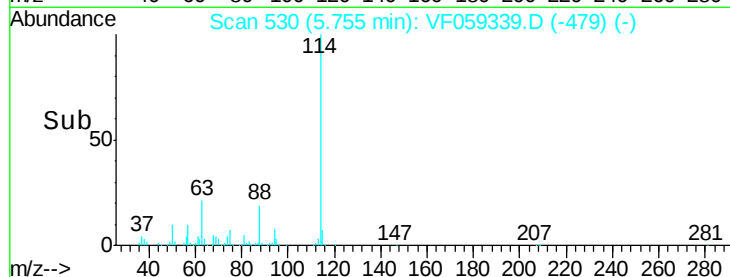
88 19.3 0.0 41.2



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: 43.49 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059339.D

Acq: 27 Jun 2018 15:18

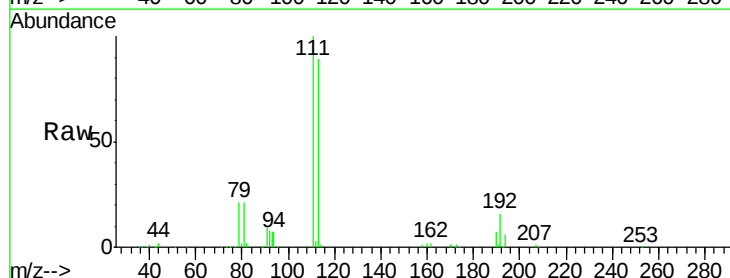
Tgt Ion:113 Resp: 106424

Ion Ratio Lower Upper

113 100

111 112.6 82.1 123.1

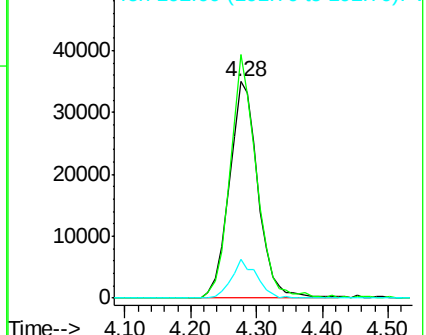
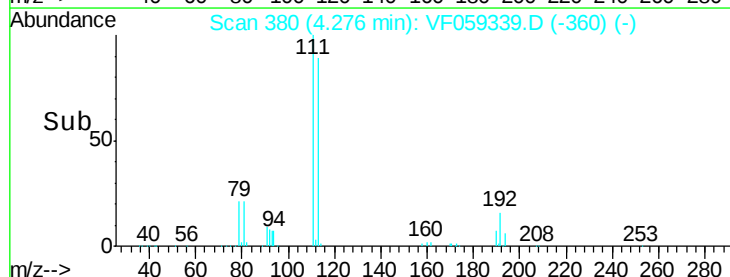
192 17.8 13.0 19.6



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: 37.29 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059339.D

Acq: 27 Jun 2018 15:18

Instrument :

MSVOA_F

ClientSampled :

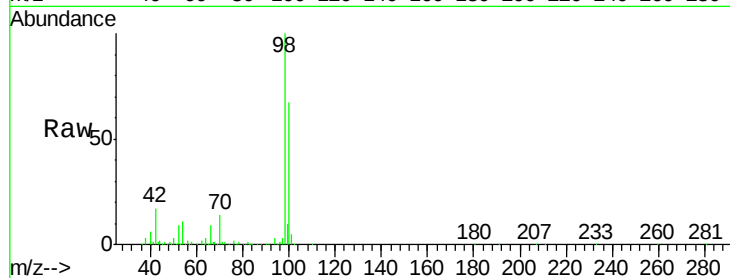
A0C22-01

Tot Ion: 98 Resp: 225916

Ion Ratio Lower Upper

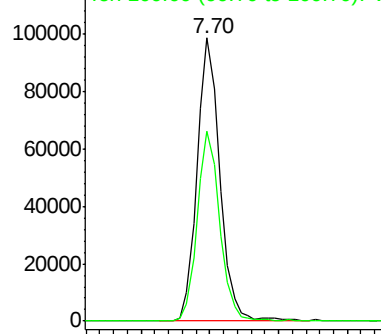
98 100

100 67.3 54.6 82.0

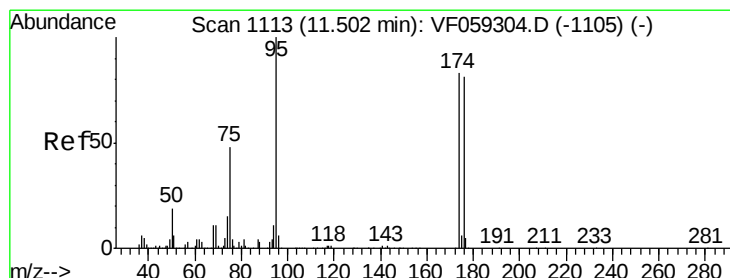
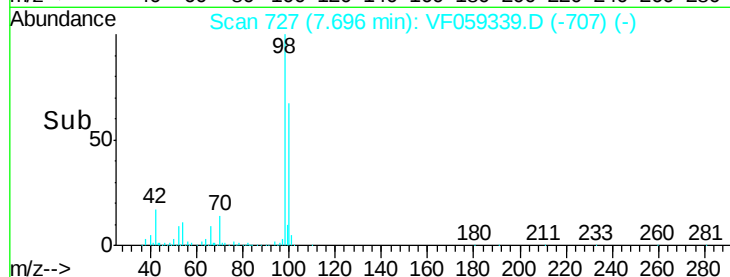


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



Time-->



#62

4-Bromofluorobenzene

Concen: 32.43 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059339.D

Acq: 27 Jun 2018 15:18

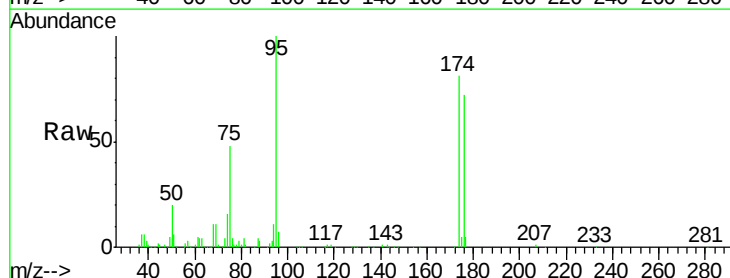
Tgt Ion: 95 Resp: 110846

Ion Ratio Lower Upper

95 100

174 80.6 0.0 165.2

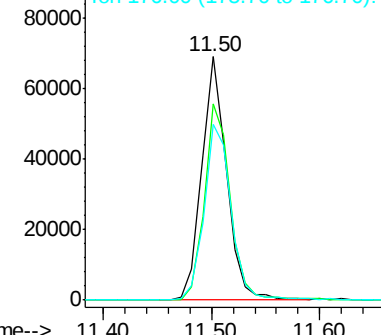
176 72.3 0.0 161.0



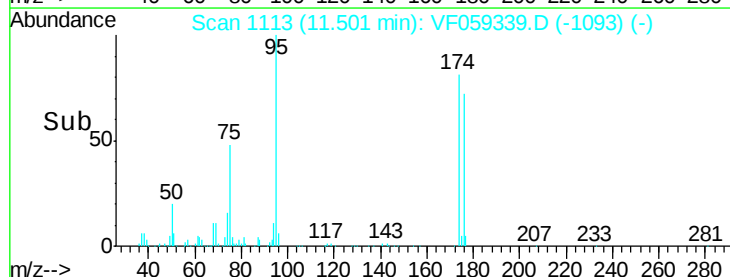
Abundance Ion 95.00 (94.70 to 95.70): VF0

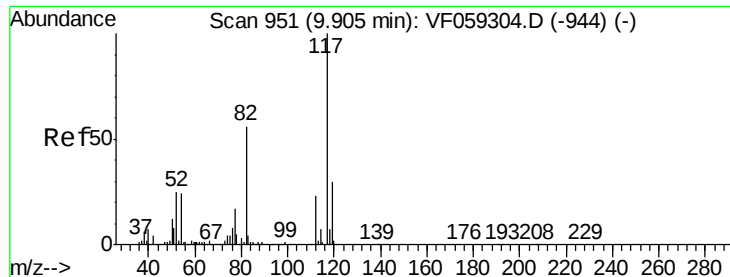
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

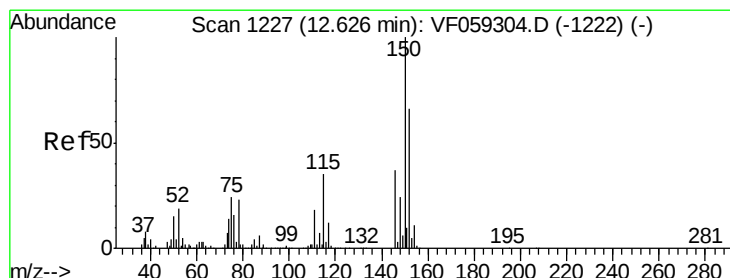
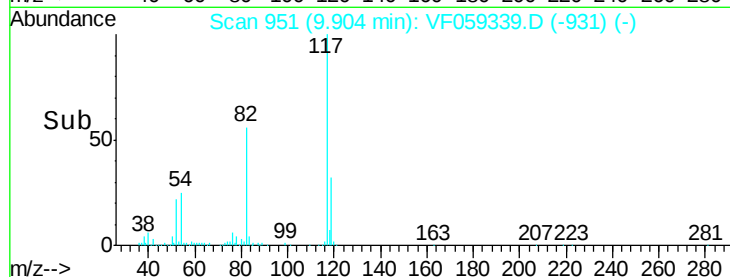
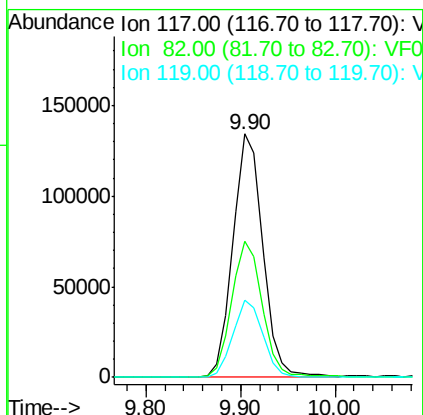
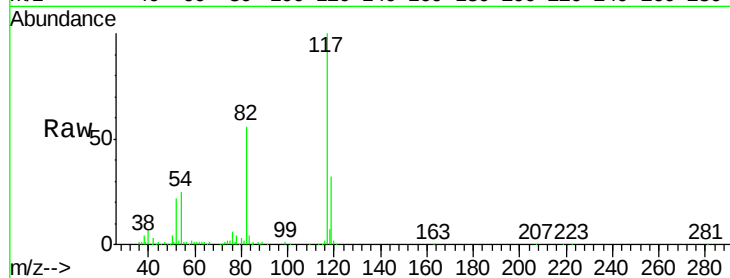




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059339.D
Acq: 27 Jun 2018 15:18

Instrument :
MSVOA_F
ClientSampleId :
A0C22-01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	66.8
119	31.7	24.1	36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059339.D
Acq: 27 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	27.1	81.3
150	156.1	0.0	305.2

