

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059343.D
 Acq On : 27 Jun 2018 17:09
 Operator : VA/AP
 Sample : J3677-03
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 93-95-B2(0-2.5)

Quant Time: Jun 28 02:06:39 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	212458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	328469	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	318889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	181308	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	14233	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
35) Dibromofluoromethane	4.28	113	13129	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	
50) Toluene-d8	7.70	98	26555	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	
62) 4-Bromofluorobenzene	11.50	95	14741	4.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.80%	

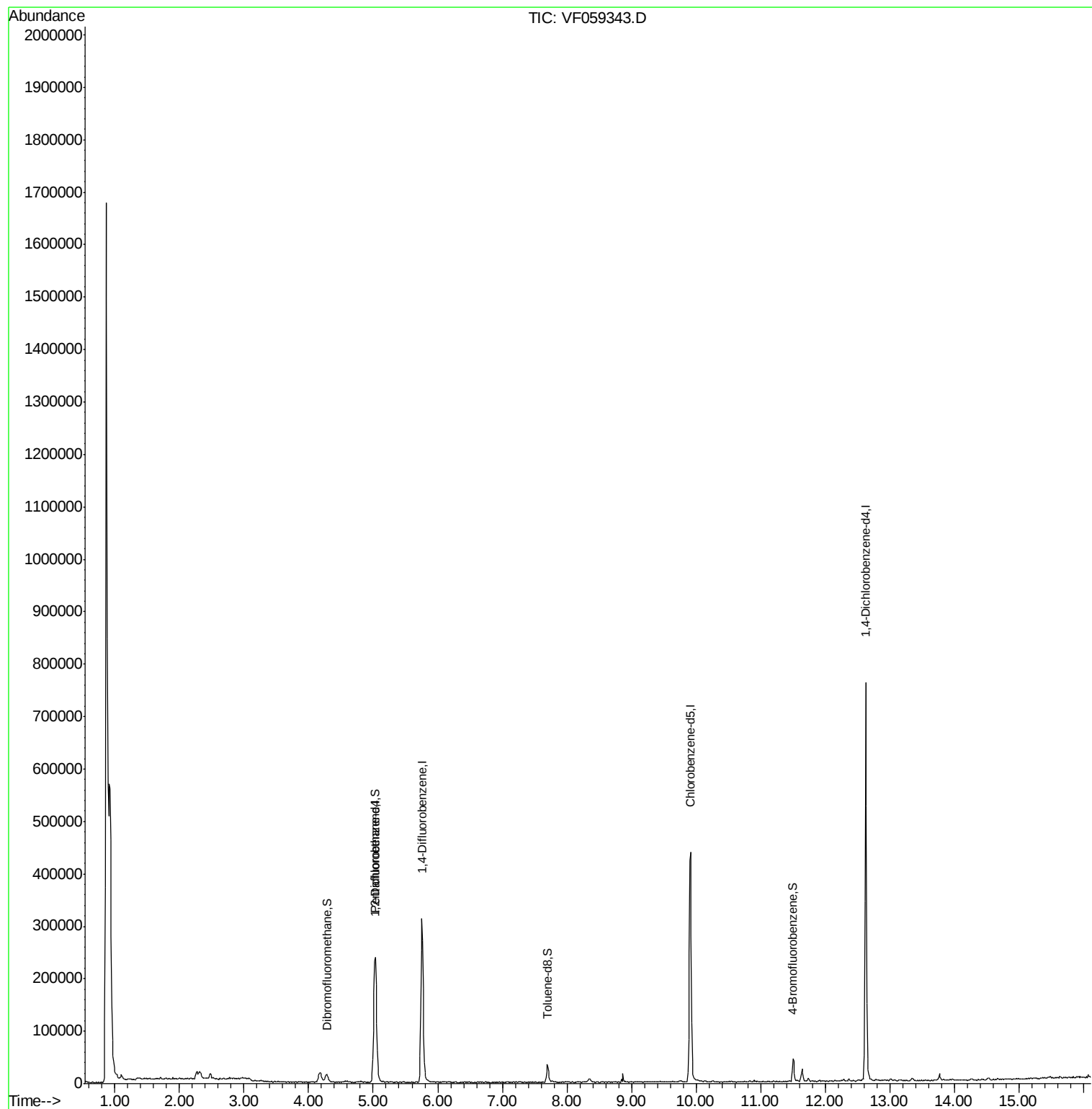
Target Compounds	Qvalue

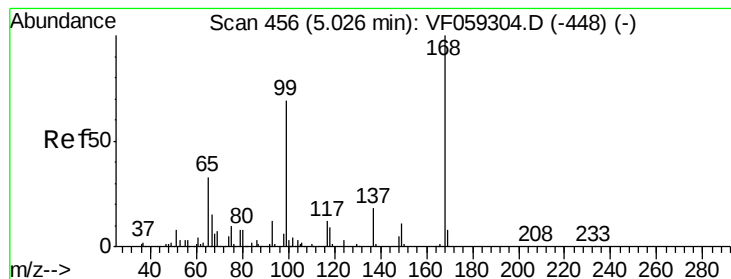
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059343.D

Acq: 27 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

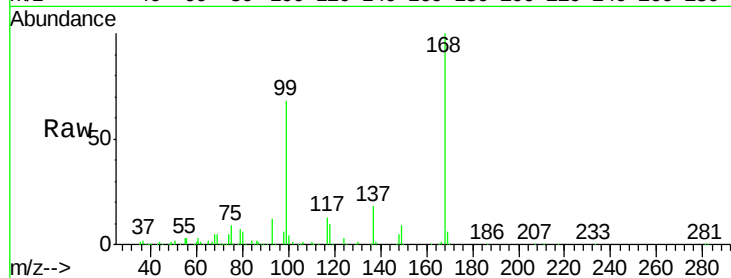
93-95-B2(0-2.5)

Tot Ion:168 Resp: 212458

Ion Ratio Lower Upper

168 100

99 68.3 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

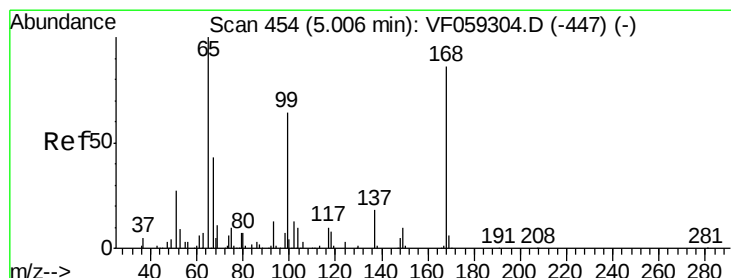
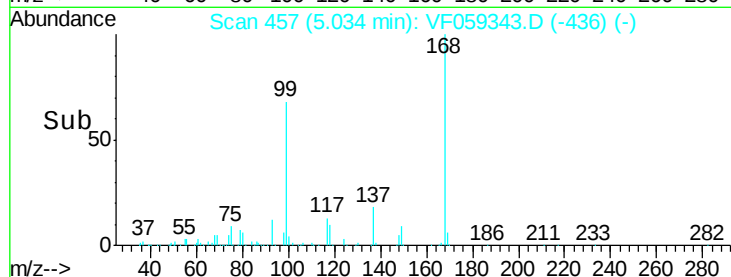
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 5.19 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059343.D

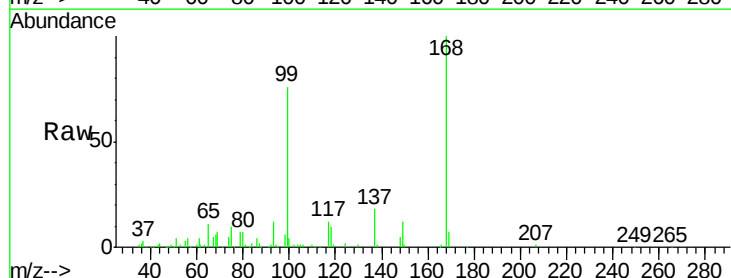
Acq: 27 Jun 2018 17:09

Tgt Ion: 65 Resp: 14233

Ion Ratio Lower Upper

65 100

67 49.6 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

6000

5000

4000

3000

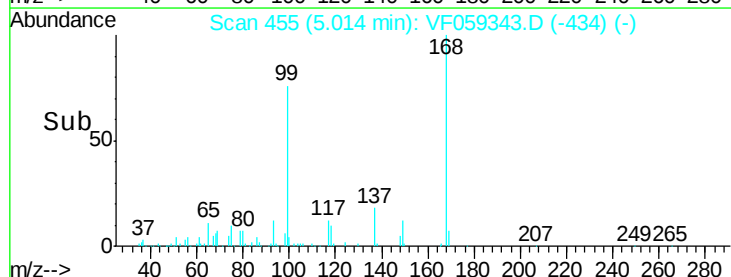
2000

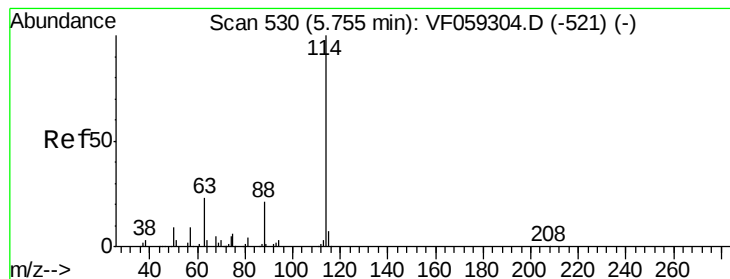
1000

0

Time-->

4.90 5.00 5.10





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

93-95-B2(0-2.5)

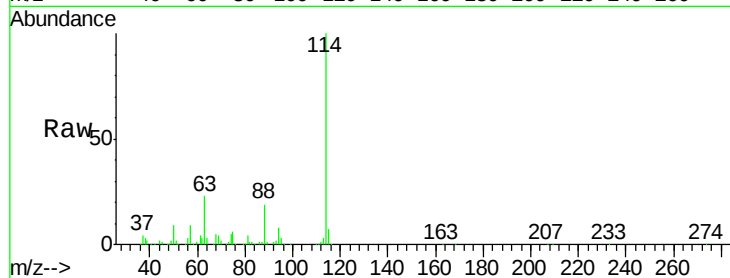
Tot Ion:114 Resp: 328469

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.8

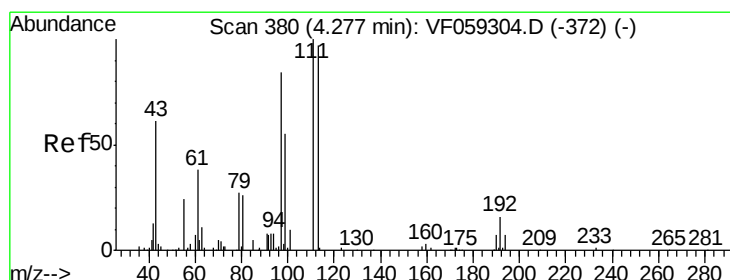
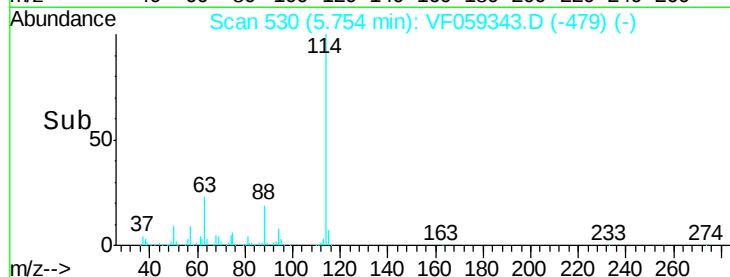
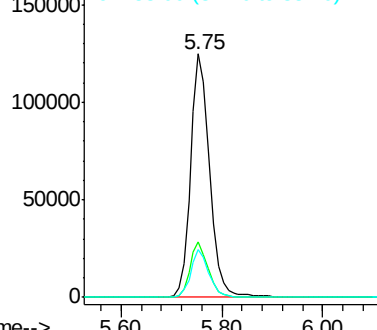
88 19.4 0.0 41.2



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: 5.47 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

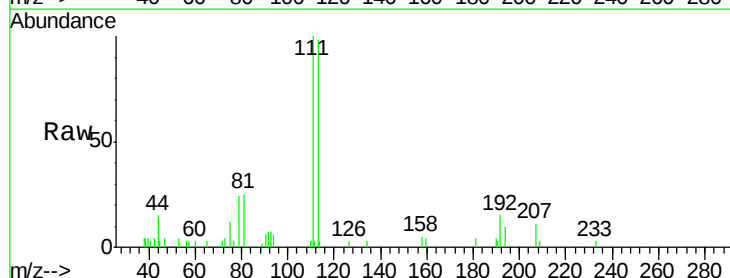
Tgt Ion:113 Resp: 13129

Ion Ratio Lower Upper

113 100

111 104.3 82.1 123.1

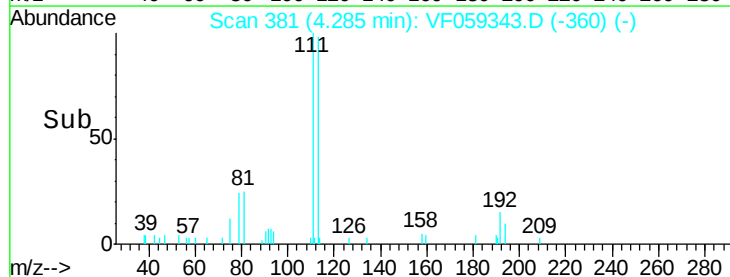
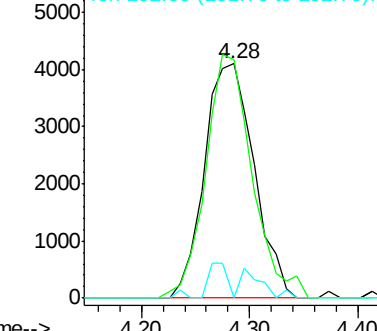
192 0.0 13.0 19.6#



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: 4.47 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

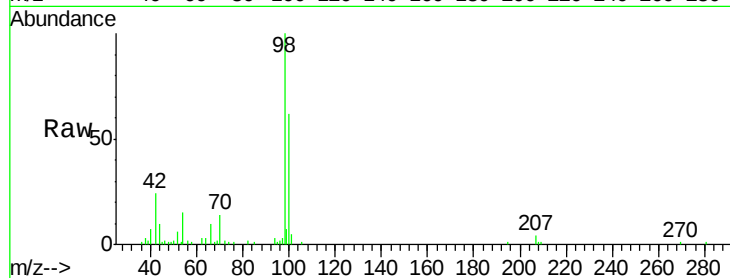
93-95-B2(0-2.5)

Tot Ion: 98 Resp: 26555

Ion Ratio Lower Upper

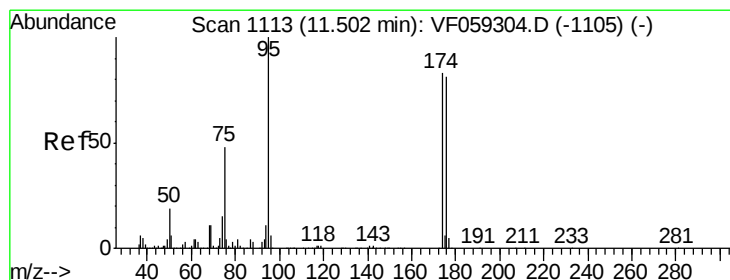
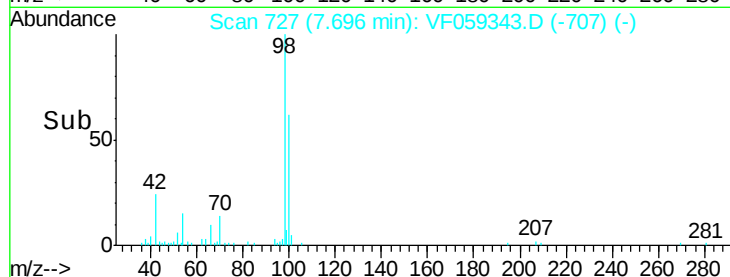
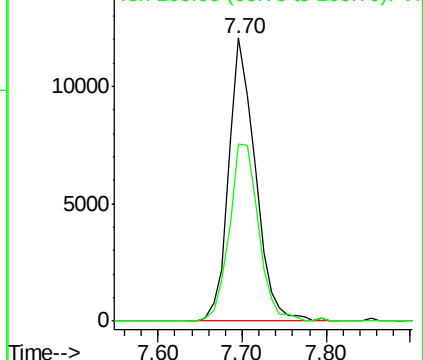
98 100

100 62.5 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: 4.40 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059343.D

Acq: 27 Jun 2018 17:09

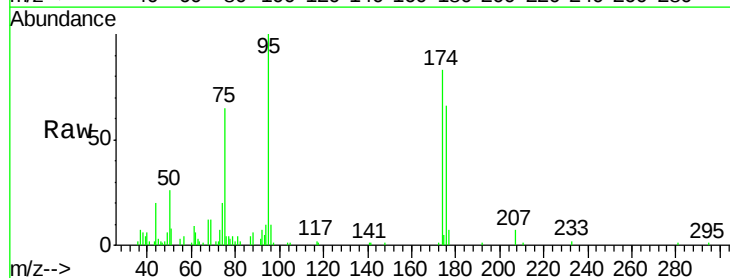
Tgt Ion: 95 Resp: 14741

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.2

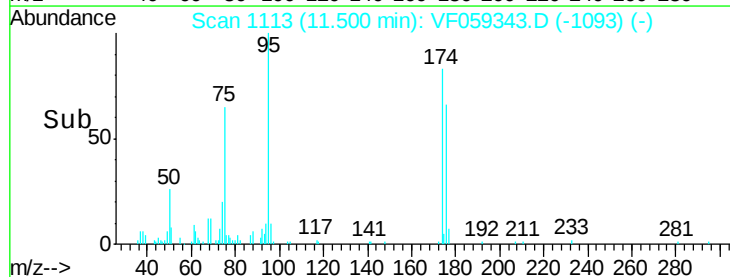
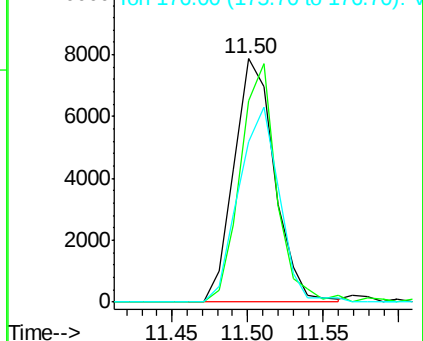
176 65.7 0.0 161.0

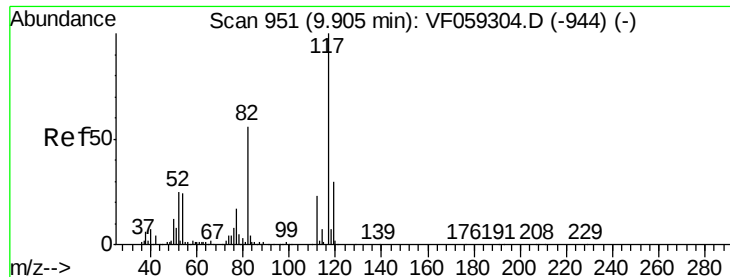


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

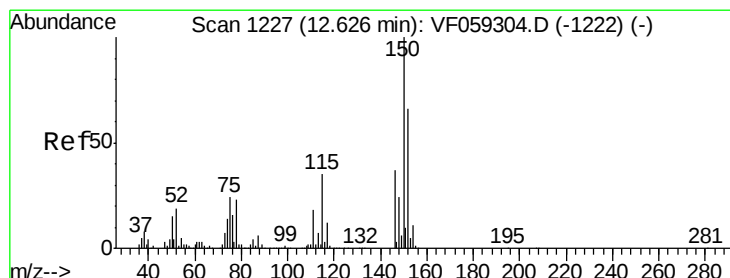
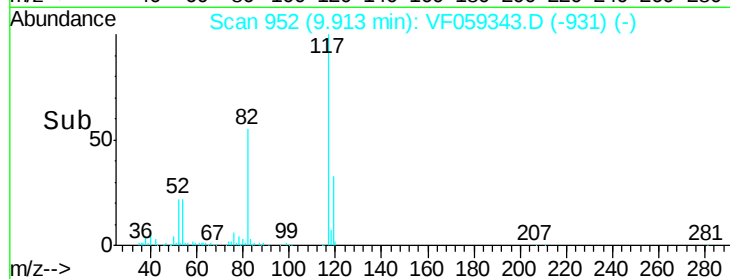
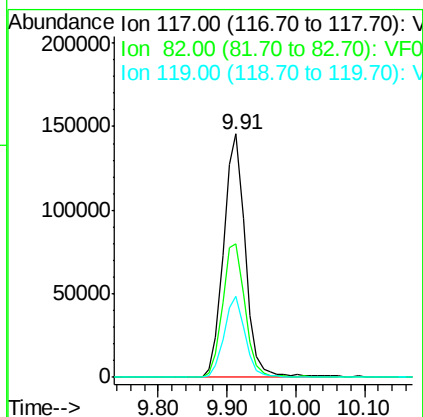
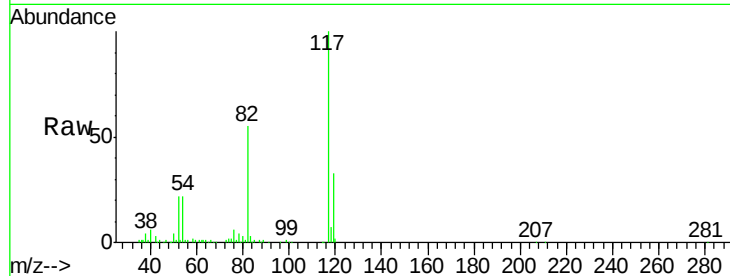




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059343.D
Acq: 27 Jun 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
93-95-B2(0-2.5)

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	33.2	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: VF059343.D
Acq: 27 Jun 2018 17:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	27.1	81.3
150	157.3	0.0	305.2

