

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059287.D
 Acq On : 22 Jun 2018 21:28
 Operator : VA/AP
 Sample : J3638-06
 Misc : 5.24g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 V-3

Quant Time: Jun 23 04:58:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	197064	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	306275	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	280054	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	137001	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	168369	59.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	119.04%	
35) Dibromofluoromethane	4.28	113	148216	57.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	115.04%	
50) Toluene-d8	7.70	98	335356	51.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.50	95	168209	46.28	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.56%	

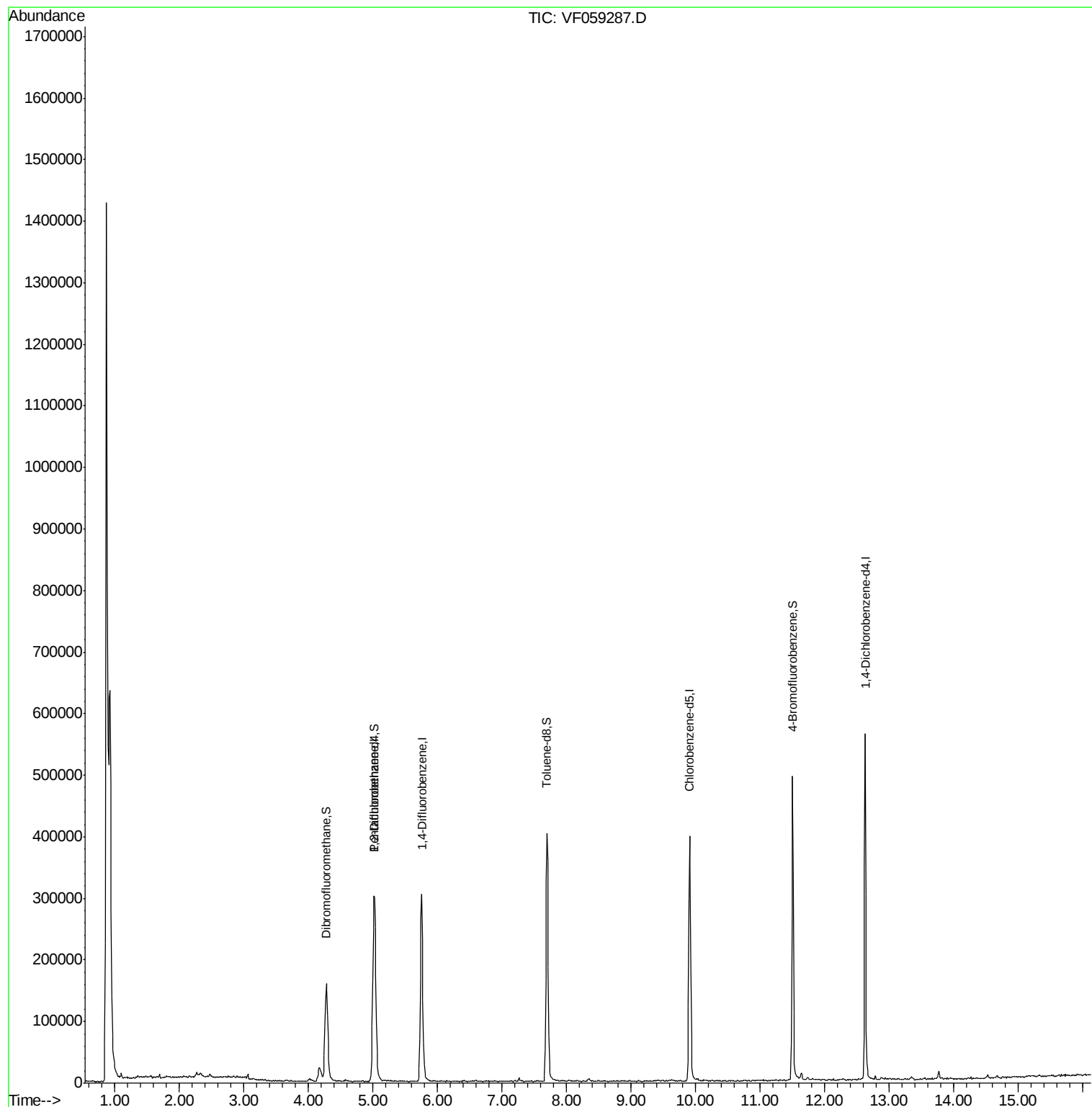
Target Compounds	Qvalue

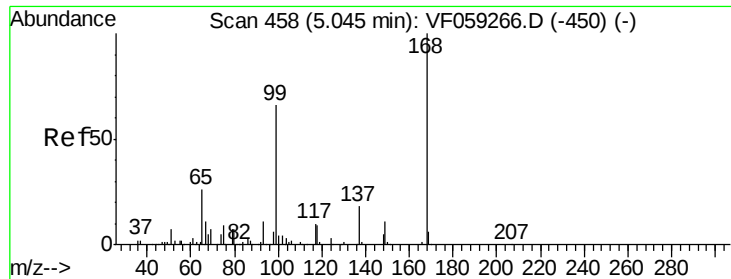
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

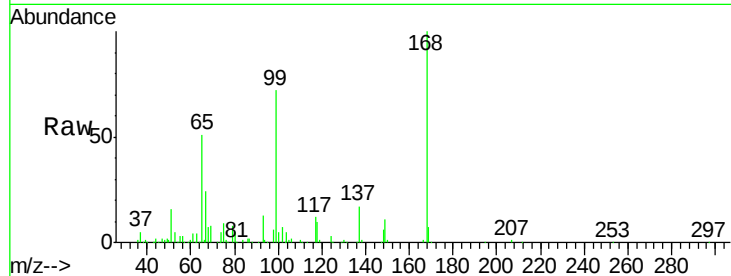
V-3

Tot Ion:168 Resp: 197064

Ion Ratio Lower Upper

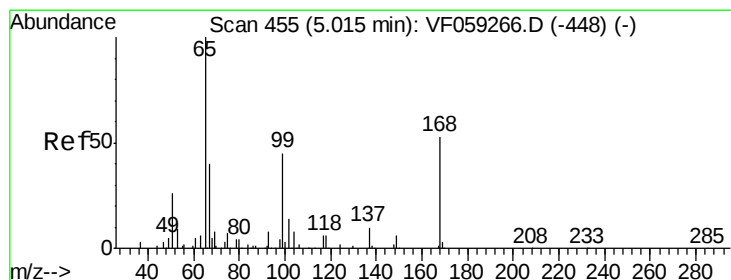
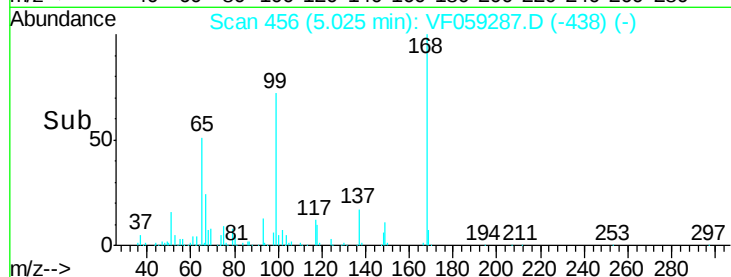
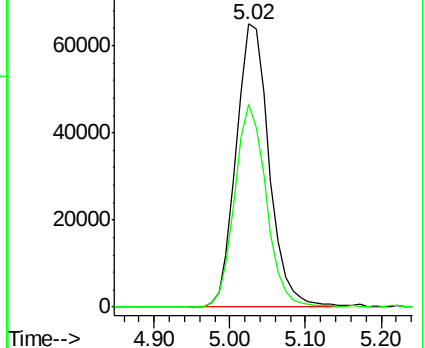
168 100

99 71.5 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 59.52 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059287.D

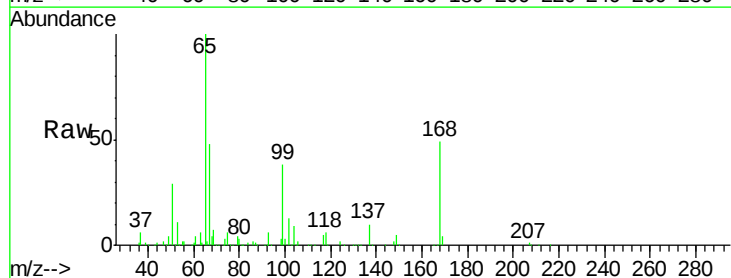
Acq: 22 Jun 2018 21:28

Tgt Ion: 65 Resp: 168369

Ion Ratio Lower Upper

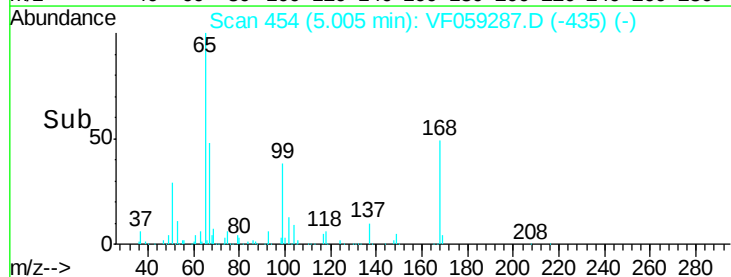
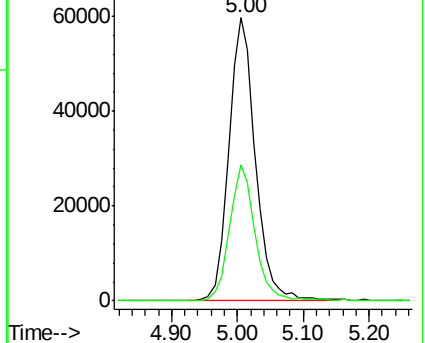
65 100

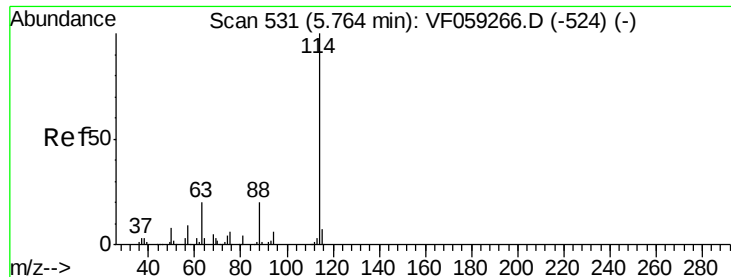
67 48.2 0.0 95.8



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: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

V-3

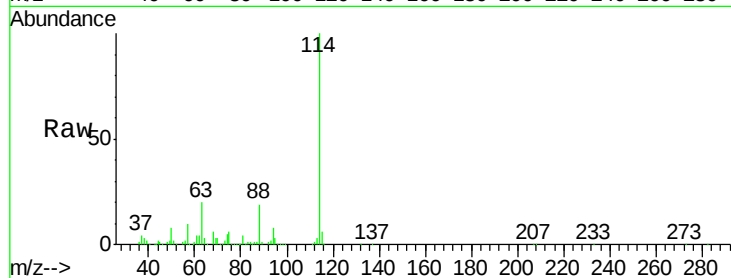
Tot Ion:114 Resp: 306275

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 19.2 0.0 39.6



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

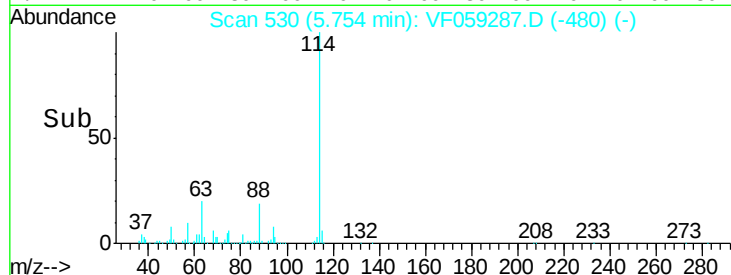
150000

100000

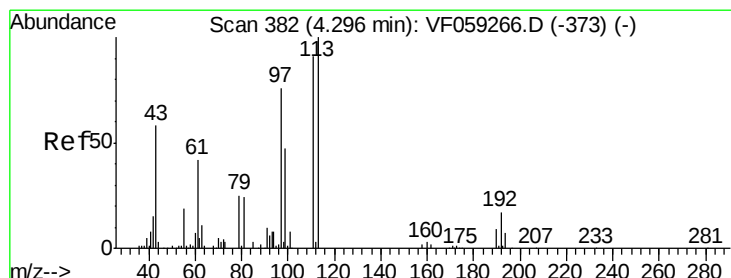
50000

0

5.60 5.70 5.80 5.90



Time-->



#35

Dibromofluoromethane

Concen: 57.52 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

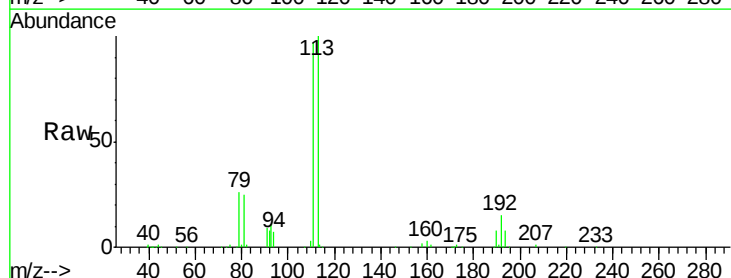
Tgt Ion:113 Resp: 148216

Ion Ratio Lower Upper

113 100

111 96.8 73.1 109.7

192 15.9 13.9 20.9



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

60000

50000

40000

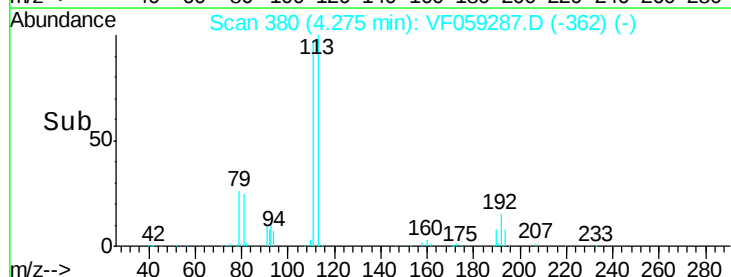
30000

20000

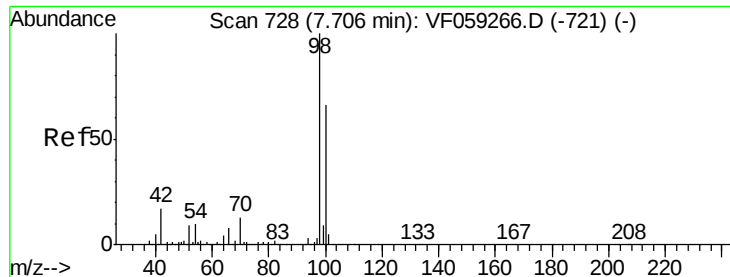
10000

0

4.10 4.20 4.30 4.40



Time-->



#50

Toluene-d8

Concen: 51.16 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

Instrument :

MSVOA_F

ClientSampleId :

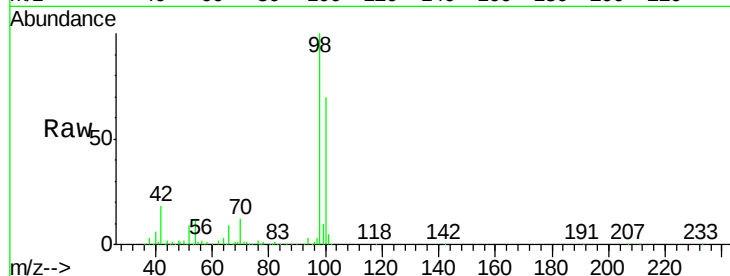
V-3

Tot Ion: 98 Resp: 335356

Ion Ratio Lower Upper

98 100

100 70.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

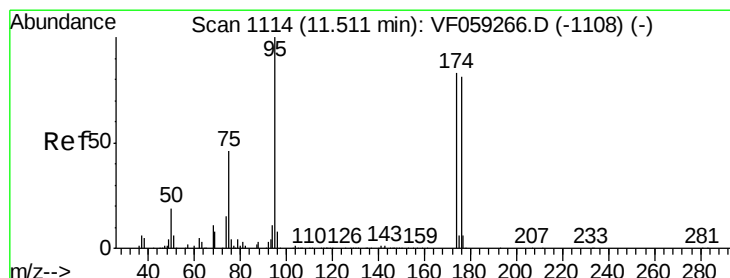
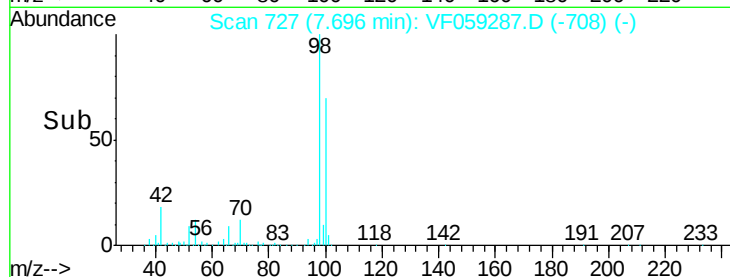
7.70

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.28 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059287.D

Acq: 22 Jun 2018 21:28

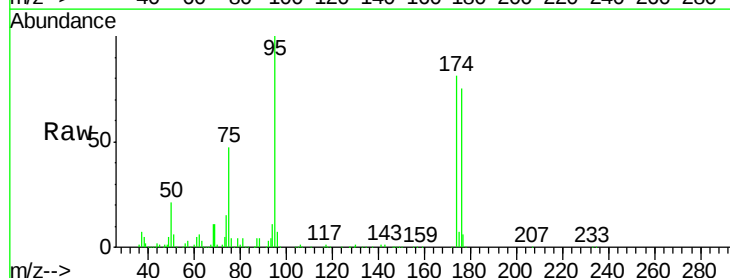
Tgt Ion: 95 Resp: 168209

Ion Ratio Lower Upper

95 100

174 80.9 0.0 166.2

176 75.2 0.0 162.8



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

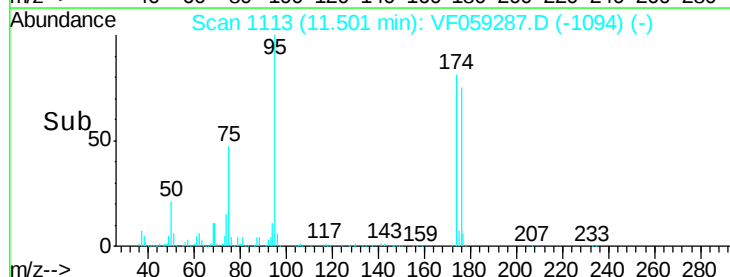
100000

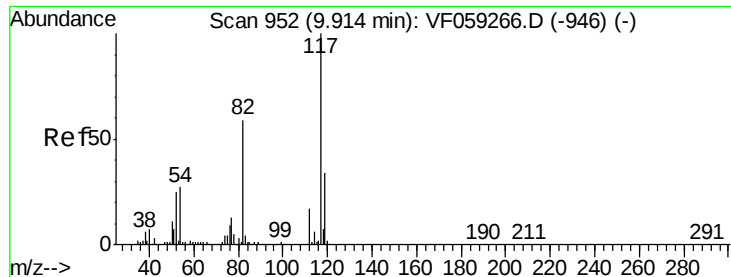
11.50

50000

0

Time-->

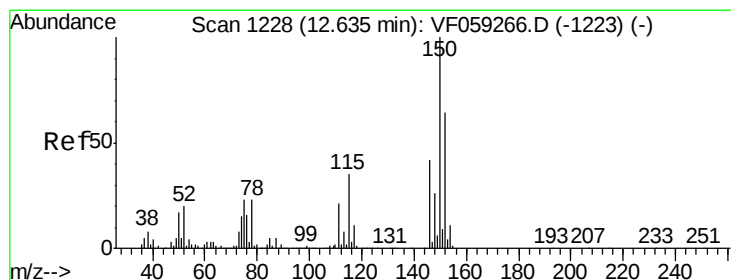
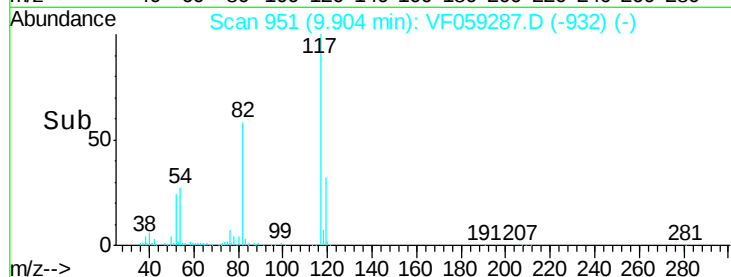
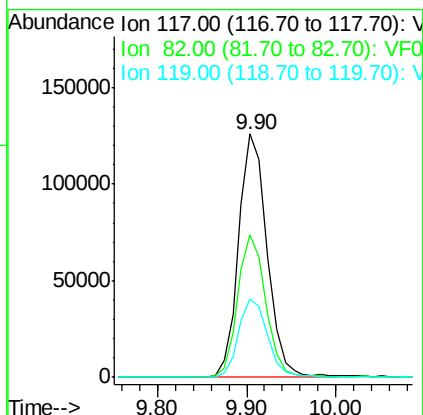
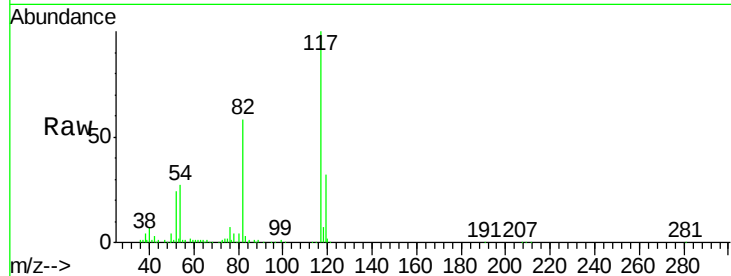




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

Instrument :
MSVOA_F
ClientSampleId :
V-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.1	70.7
119	32.2	26.9	40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059287.D
Acq: 22 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.8	83.3
150	154.8	0.0	313.8

