

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059374.D
 Acq On : 28 Jun 2018 21:34
 Operator : VA/AP
 Sample : J3242-07
 Misc : 6.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-02-062618-D

Quant Time: Jun 29 05:50:09 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	5.04	168	251727	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	385817	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	333972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	169948	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	141429	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
35) Dibromofluoromethane	4.29	113	127218	45.13	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.26%	
50) Toluene-d8	7.71	98	236274	33.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.70%	
62) 4-Bromofluorobenzene	11.51	95	147522	37.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.94%	

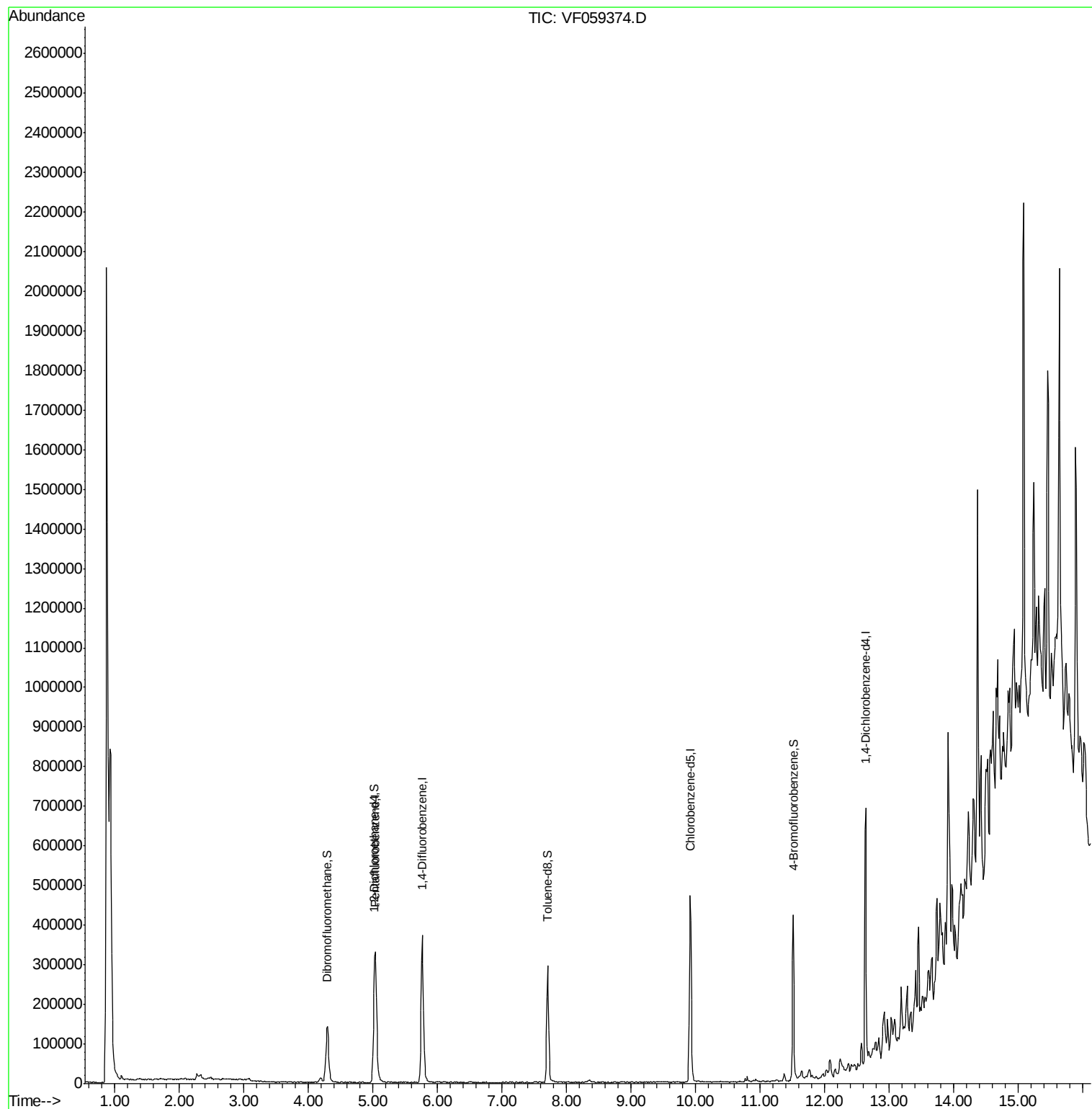
Target Compounds	Qvalue
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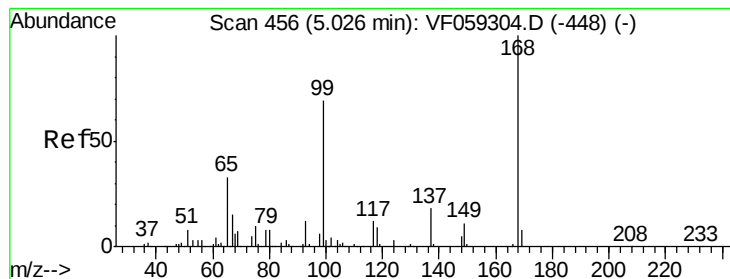
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062818\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059374.D

Acq: 28 Jun 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

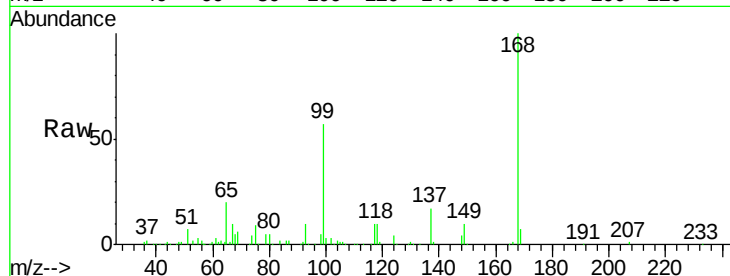
JC-02-062618-D

Tot Ion:168 Resp: 251727

Ion Ratio Lower Upper

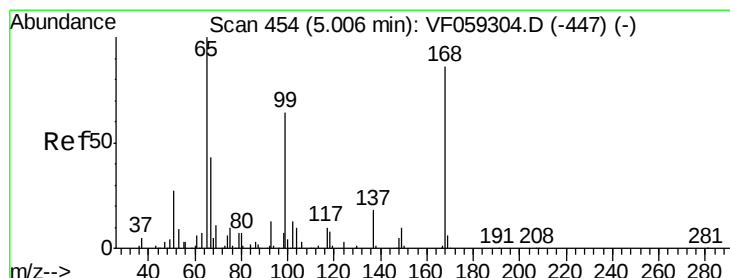
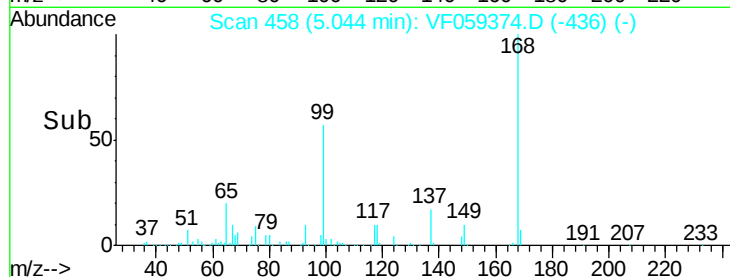
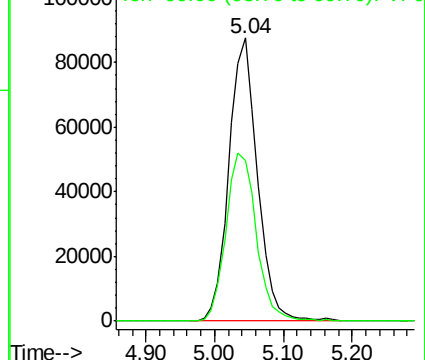
168 100

99 56.6 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 43.49 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059374.D

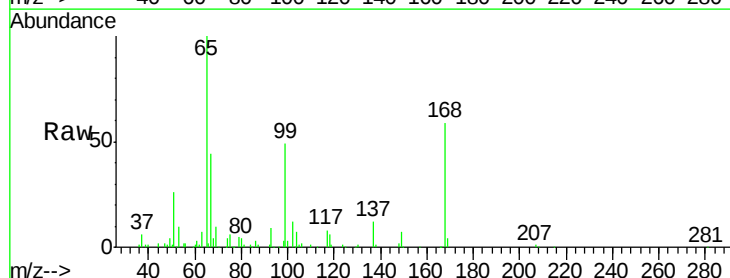
Acq: 28 Jun 2018 21:34

Tgt Ion: 65 Resp: 141429

Ion Ratio Lower Upper

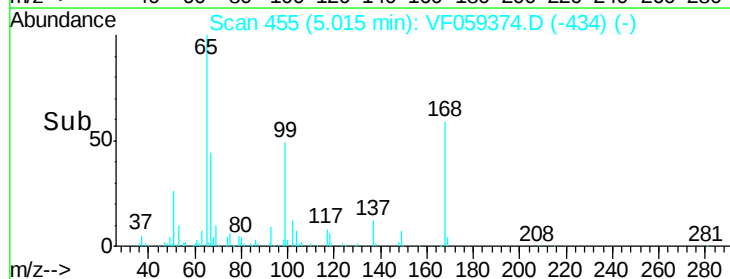
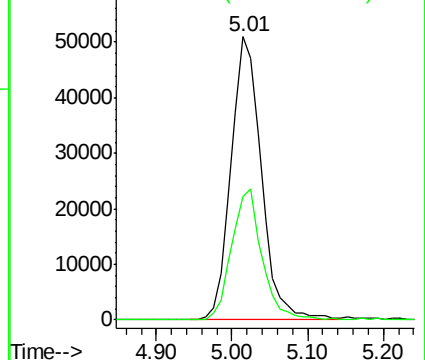
65 100

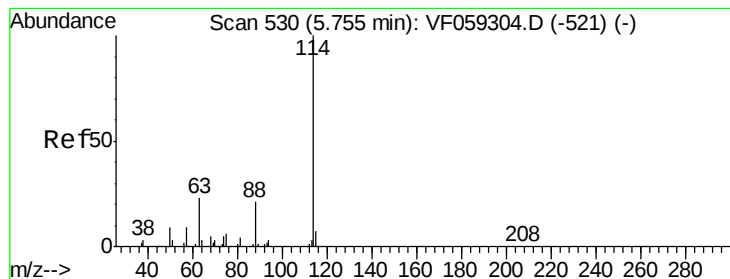
67 43.8 0.0 96.8



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: 5.76 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059374.D

Acq: 28 Jun 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

JC-02-062618-D

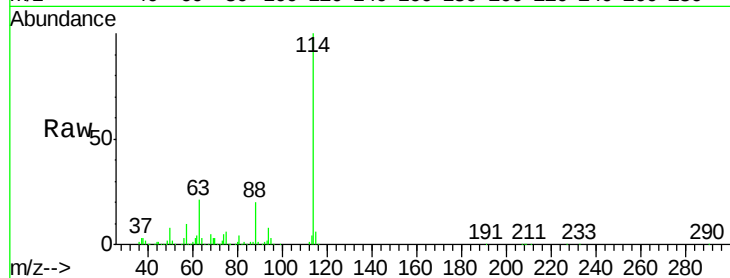
Tot Ion:114 Resp: 385817

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.8

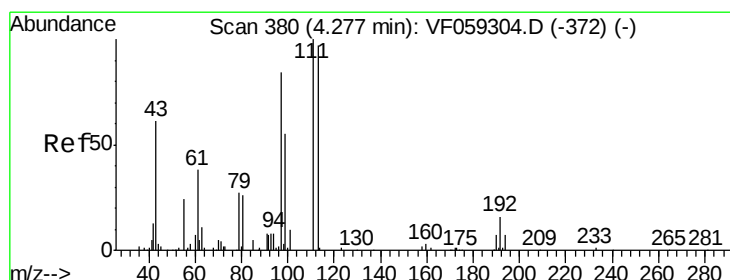
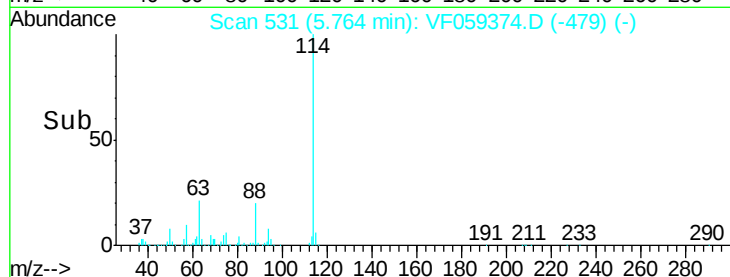
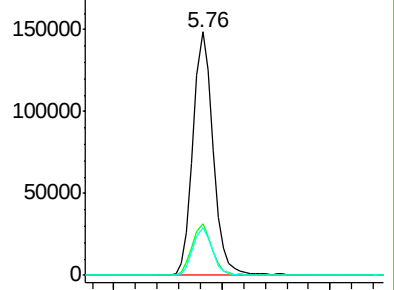
88 19.9 0.0 41.2



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: 45.13 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059374.D

Acq: 28 Jun 2018 21:34

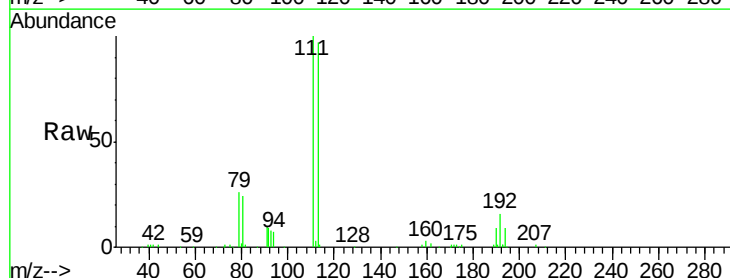
Tgt Ion:113 Resp: 127218

Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

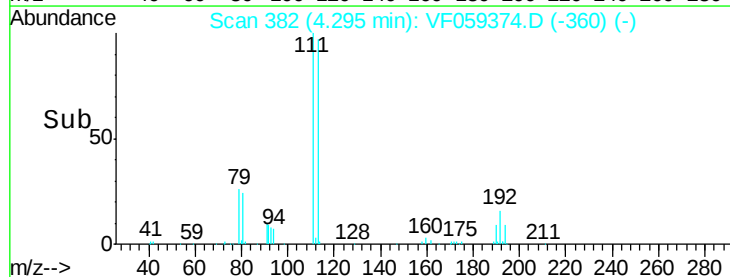
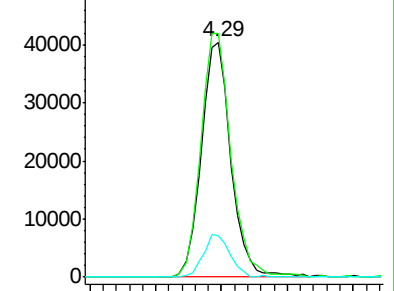
192 17.5 13.0 19.6



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: 33.85 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059374.D

Acq: 28 Jun 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

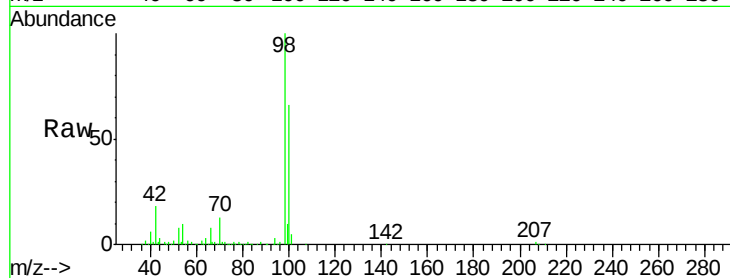
JC-02-062618-D

Tot Ion: 98 Resp: 236274

Ion Ratio Lower Upper

98 100

100 66.2 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

120000

100000

80000

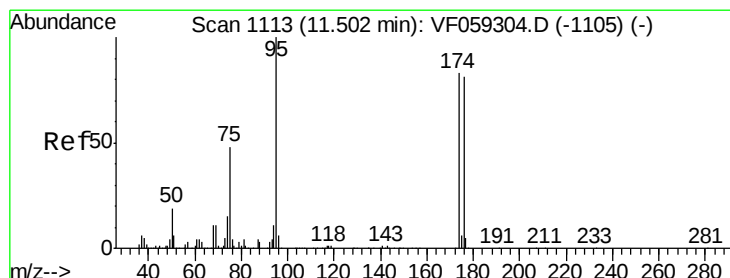
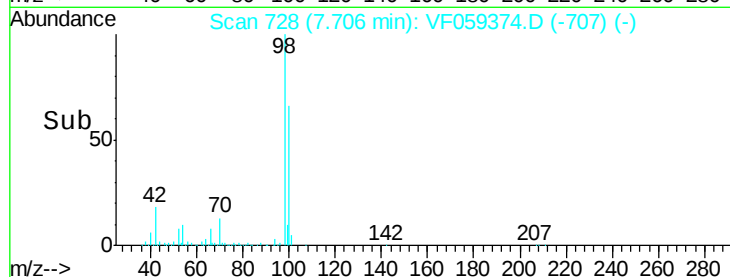
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 37.47 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059374.D

Acq: 28 Jun 2018 21:34

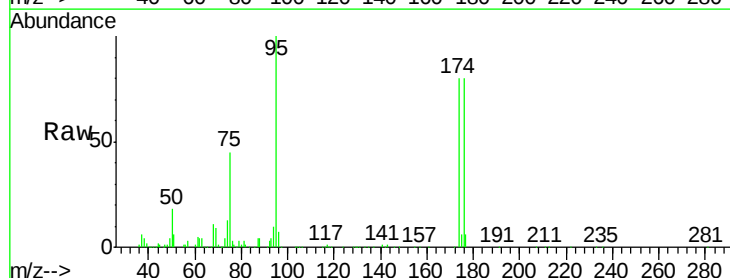
Tgt Ion: 95 Resp: 147522

Ion Ratio Lower Upper

95 100

174 79.9 0.0 165.2

176 79.6 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

120000

100000

80000

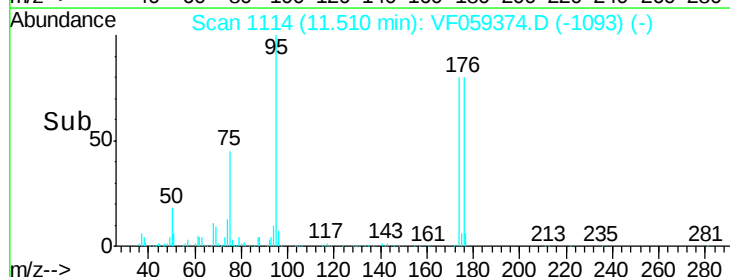
60000

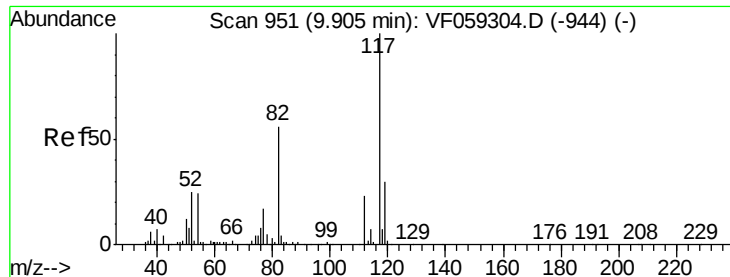
40000

20000

0

Time-->

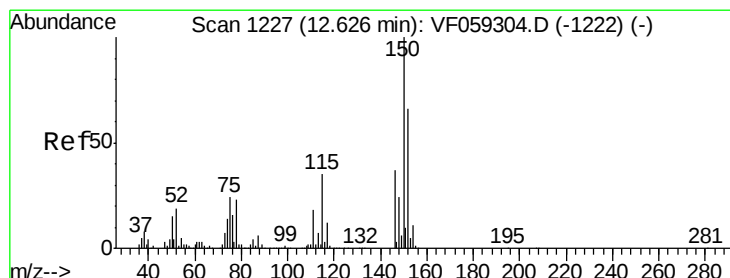
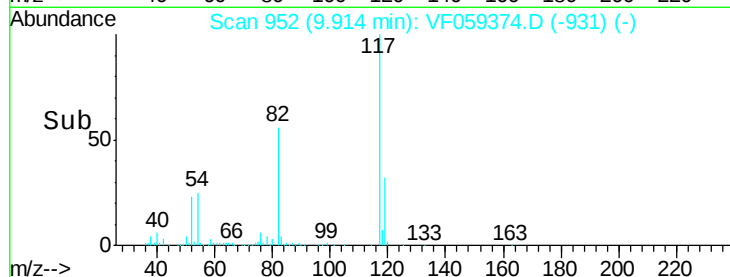
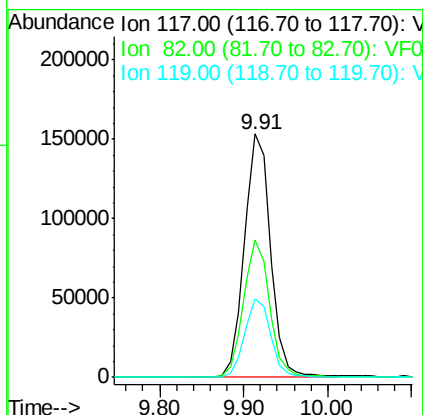
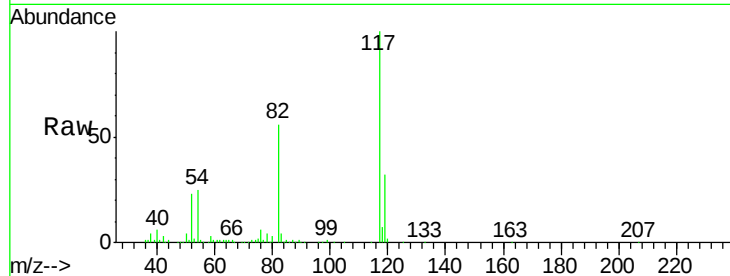




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059374.D
Acq: 28 Jun 2018 21:34

Instrument :
MSVOA_F
ClientSampleId :
JC-02-062618-D

Tot Ion:117 Resp: 333972
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 32.3 24.1 36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059374.D
Acq: 28 Jun 2018 21:34

Tgt Ion:152 Resp: 169948
Ion Ratio Lower Upper
152 100
115 57.2 27.1 81.3
150 158.4 0.0 305.2

