

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059359.D
 Acq On : 28 Jun 2018 14:37
 Operator : VA/AP
 Sample : J3247-07
 Misc : 6.26g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-02-062618

Quant Time: Jun 29 04:50:40 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	5.05	168	188465	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	304780	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	290479	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	163545	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	142471	58.51	ug/l	0.01
Spiked Amount 50.000			Recovery	=	117.02%	
35) Dibromofluoromethane	4.30	113	132566	59.53	ug/l	0.02
Spiked Amount 50.000			Recovery	=	119.06%	
50) Toluene-d8	7.71	98	282235	51.19	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.51	95	159295	51.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.44%	

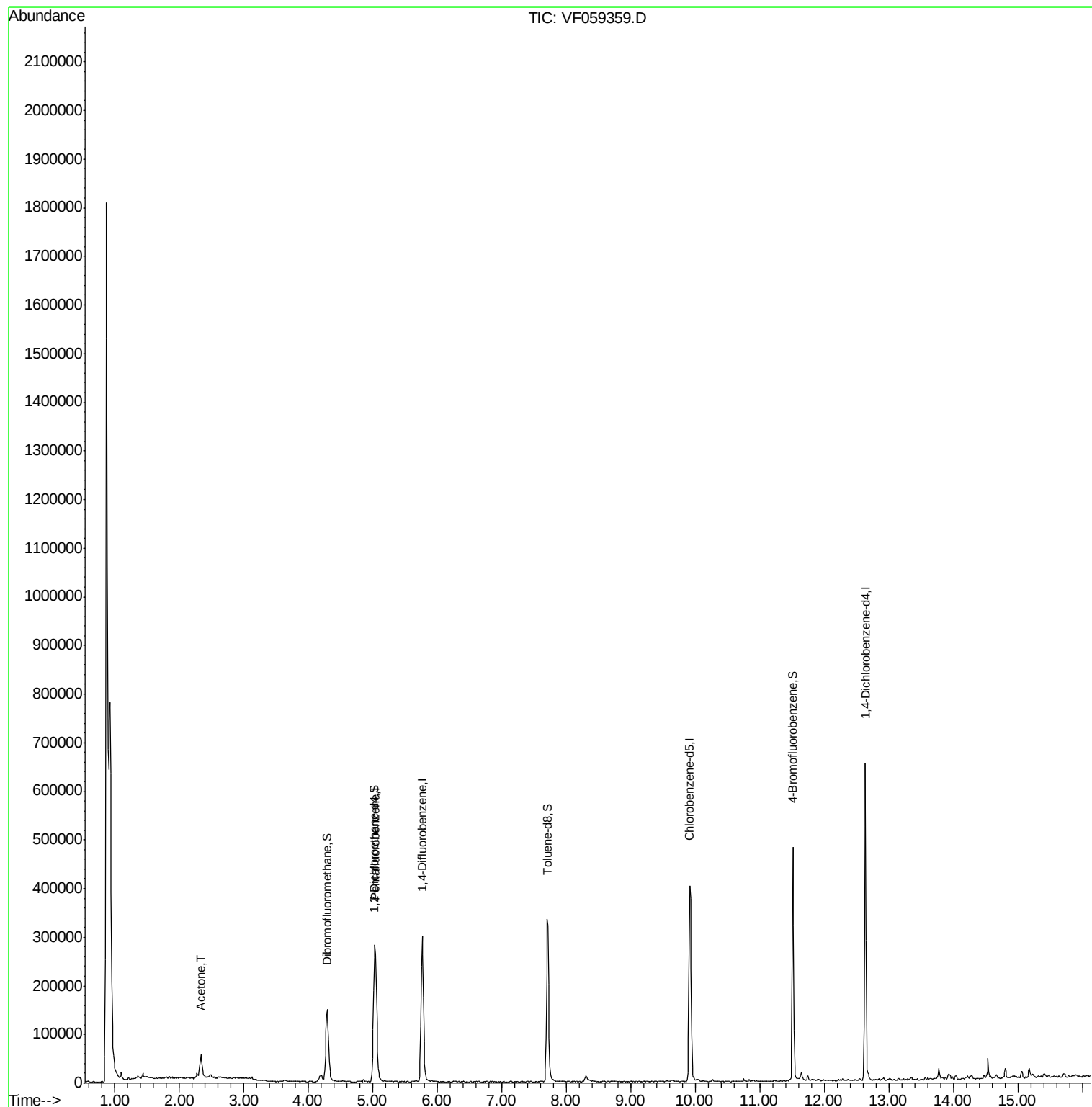
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.34	43	77381	122.03	ug/l	94

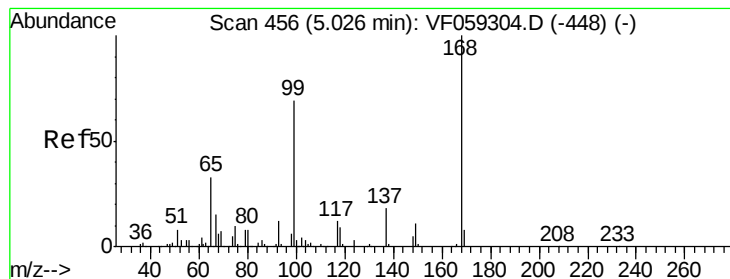
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059359.D

Acq: 28 Jun 2018 14:37

Instrument :

MSVOA_F

ClientSampleId :

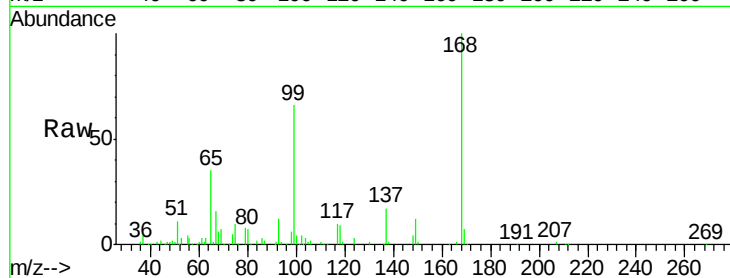
OR-02-062618

Tot Ion:168 Resp: 188465

Ion Ratio Lower Upper

168 100

99 65.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

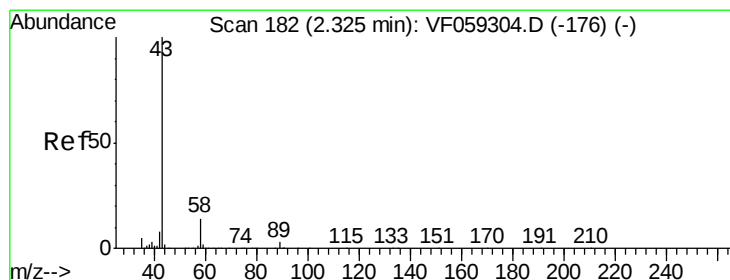
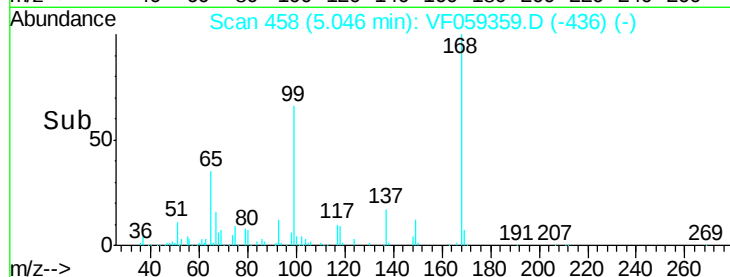
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 122.03 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059359.D

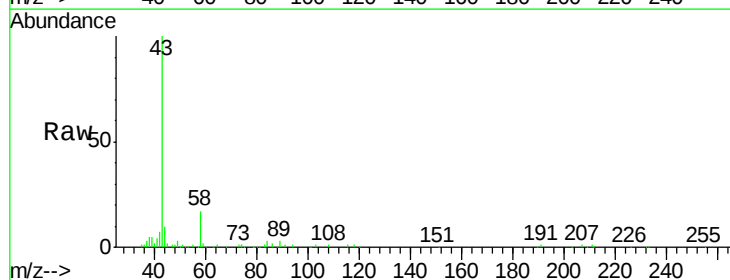
Acq: 28 Jun 2018 14:37

Tgt Ion: 43 Resp: 77381

Ion Ratio Lower Upper

43 100

58 16.5 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.34

30000

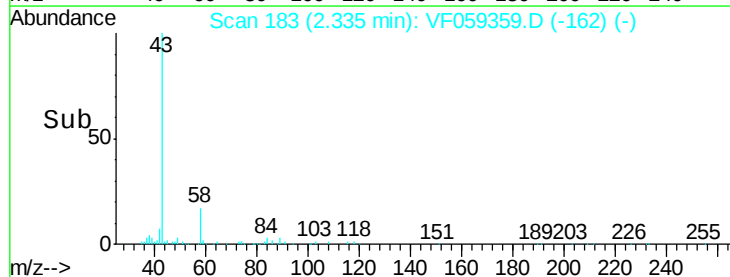
20000

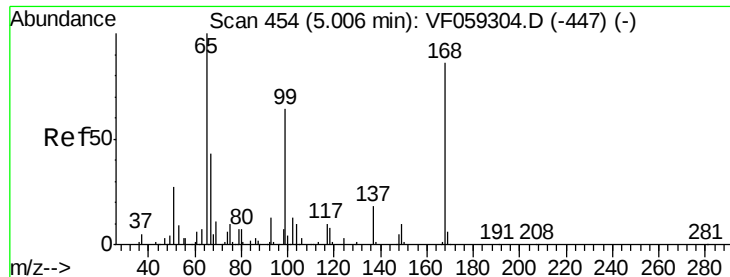
10000

0

Time-->

2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 58.51 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059359.D

Acq: 28 Jun 2018 14:37

Instrument :

MSVOA_F

ClientSampleId :

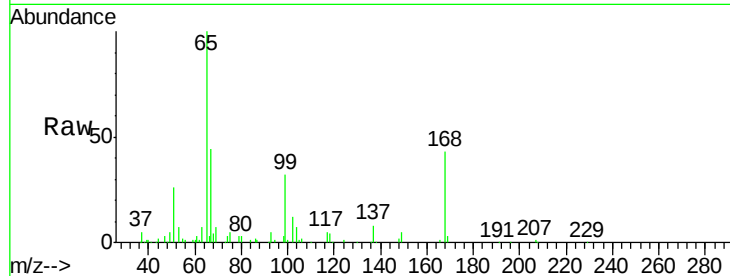
OR-02-062618

Tot Ion: 65 Resp: 142471

Ion Ratio Lower Upper

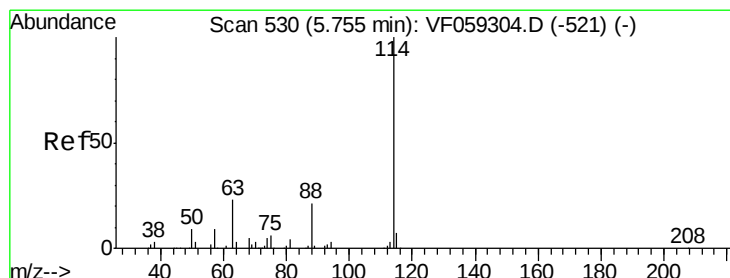
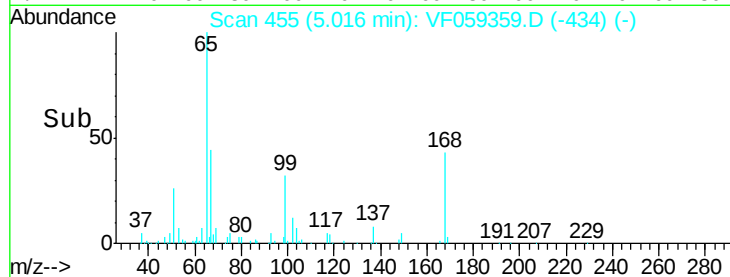
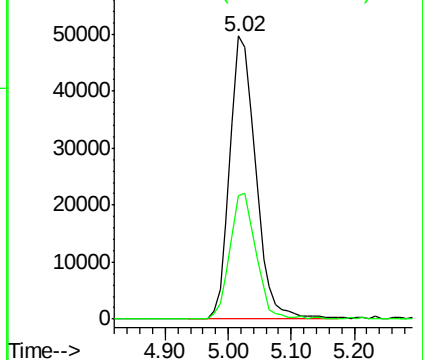
65 100

67 43.7 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: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059359.D

Acq: 28 Jun 2018 14:37

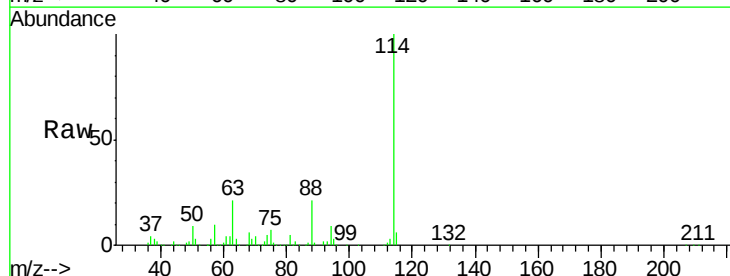
Tgt Ion: 114 Resp: 304780

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.8

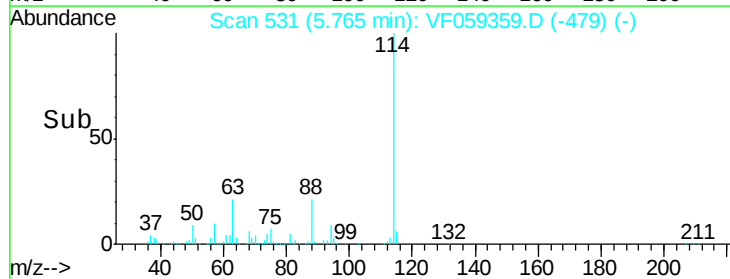
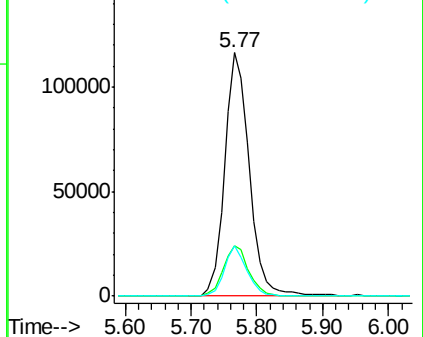
88 20.7 0.0 41.2

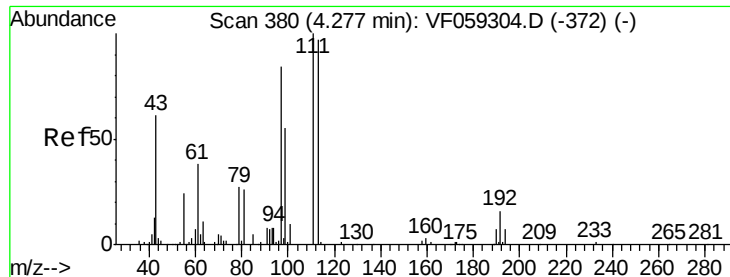


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

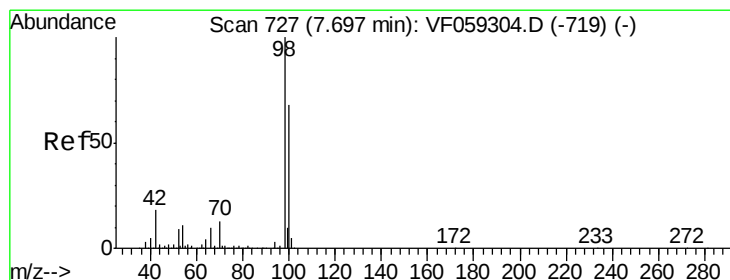
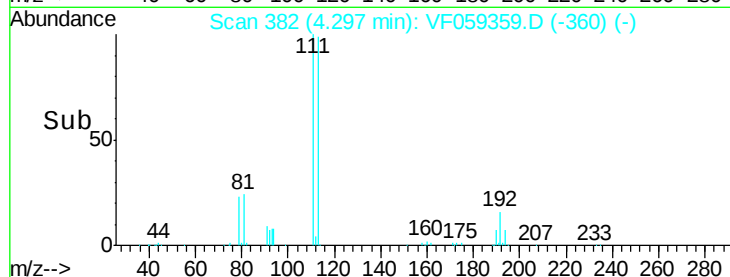
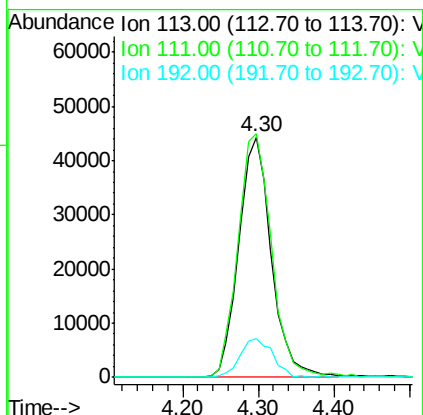
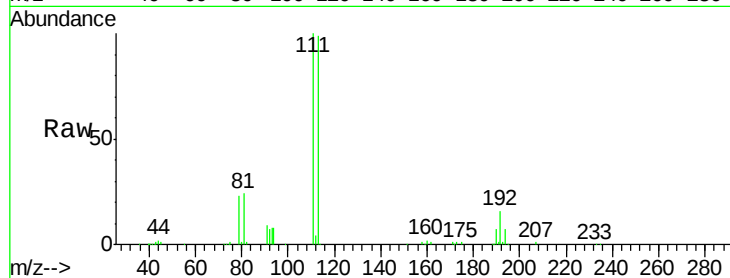




#35
 Dibromofluoromethane
 Concen: 59.53 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VF059359.D
 Acq: 28 Jun 2018 14:37

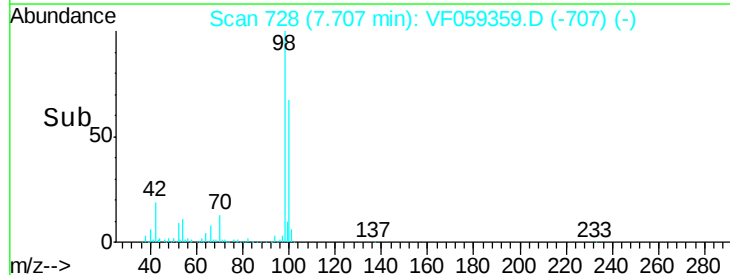
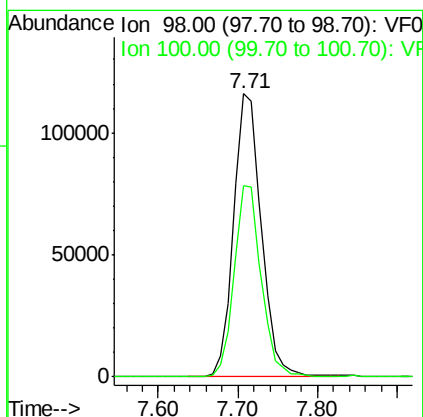
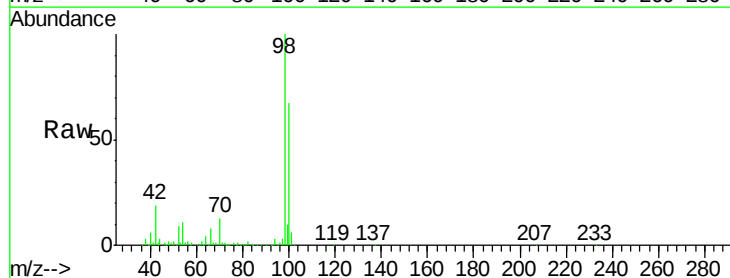
Instrument :
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 OR-02-062618

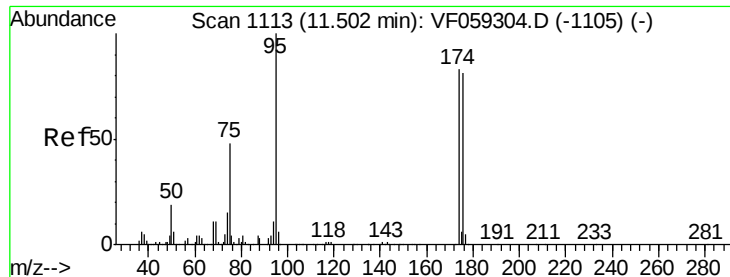
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	16.3	13.0	19.6



#50
 Toluene-d8
 Concen: 51.19 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VF059359.D
 Acq: 28 Jun 2018 14:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	54.6	82.0





#62

4-Bromofluorobenzene

Concen: 51.22 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059359.D

Acq: 28 Jun 2018 14:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-062618

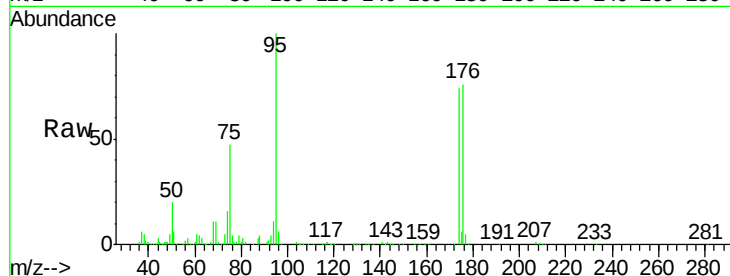
Tot Ion: 95 Resp: 159295

Ion Ratio Lower Upper

95 100

174 74.3 0.0 165.2

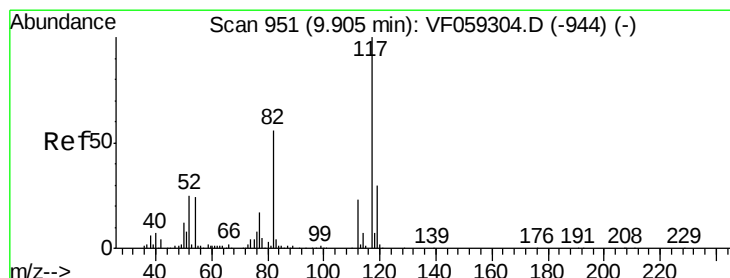
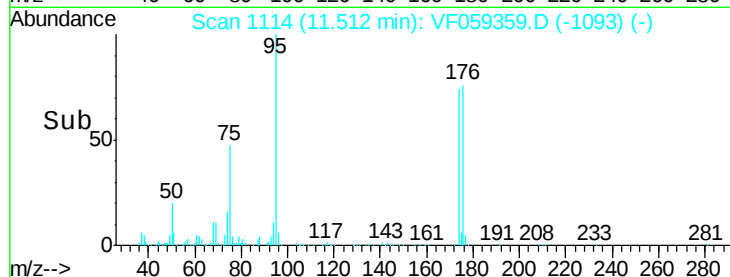
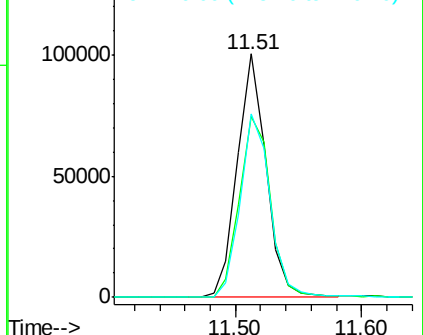
176 75.6 0.0 161.0



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF059359.D

Acq: 28 Jun 2018 14:37

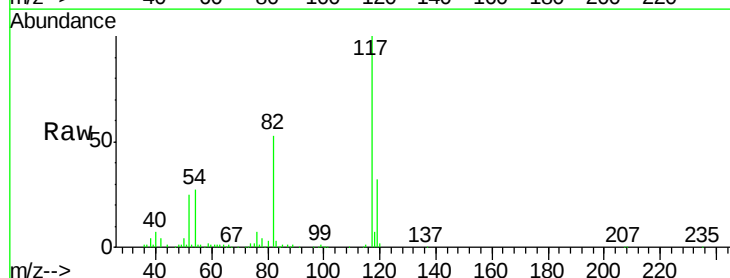
Tgt Ion: 117 Resp: 290479

Ion Ratio Lower Upper

117 100

82 53.2 44.6 66.8

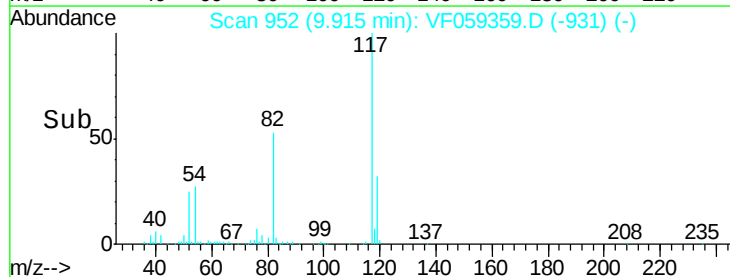
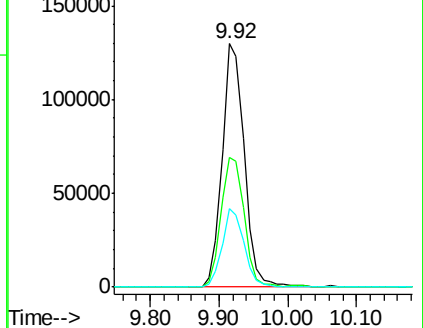
119 32.1 24.1 36.1

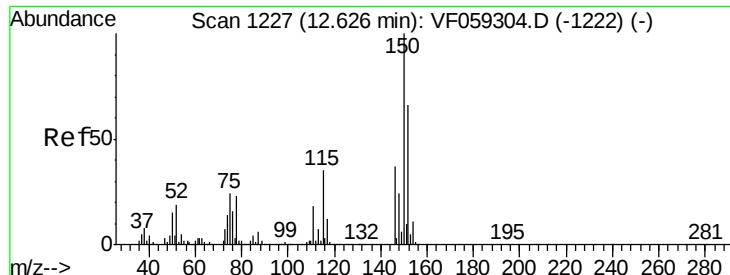


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059359.D

Acq: 28 Jun 2018 14:37

Instrument :

MSVOA_F

ClientSampleId :

OR-02-062618

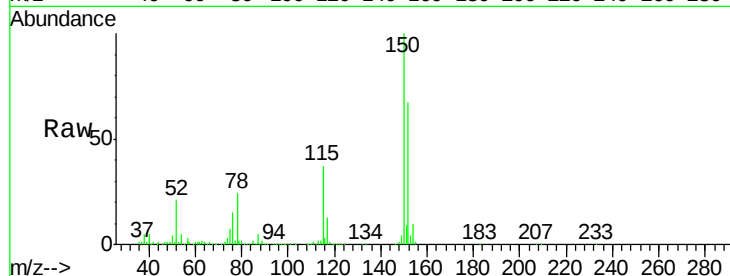
Tot Ion:152 Resp: 163545

Ion Ratio Lower Upper

152 100

115 56.0 27.1 81.3

150 149.6 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

