

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061400.D
 Acq On : 14 Jan 2019 20:25
 Operator : VA/AP
 Sample : K1139-15
 Misc : 3.16g/5mL/MSVOA-F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-8

Quant Time: Jan 14 22:14:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

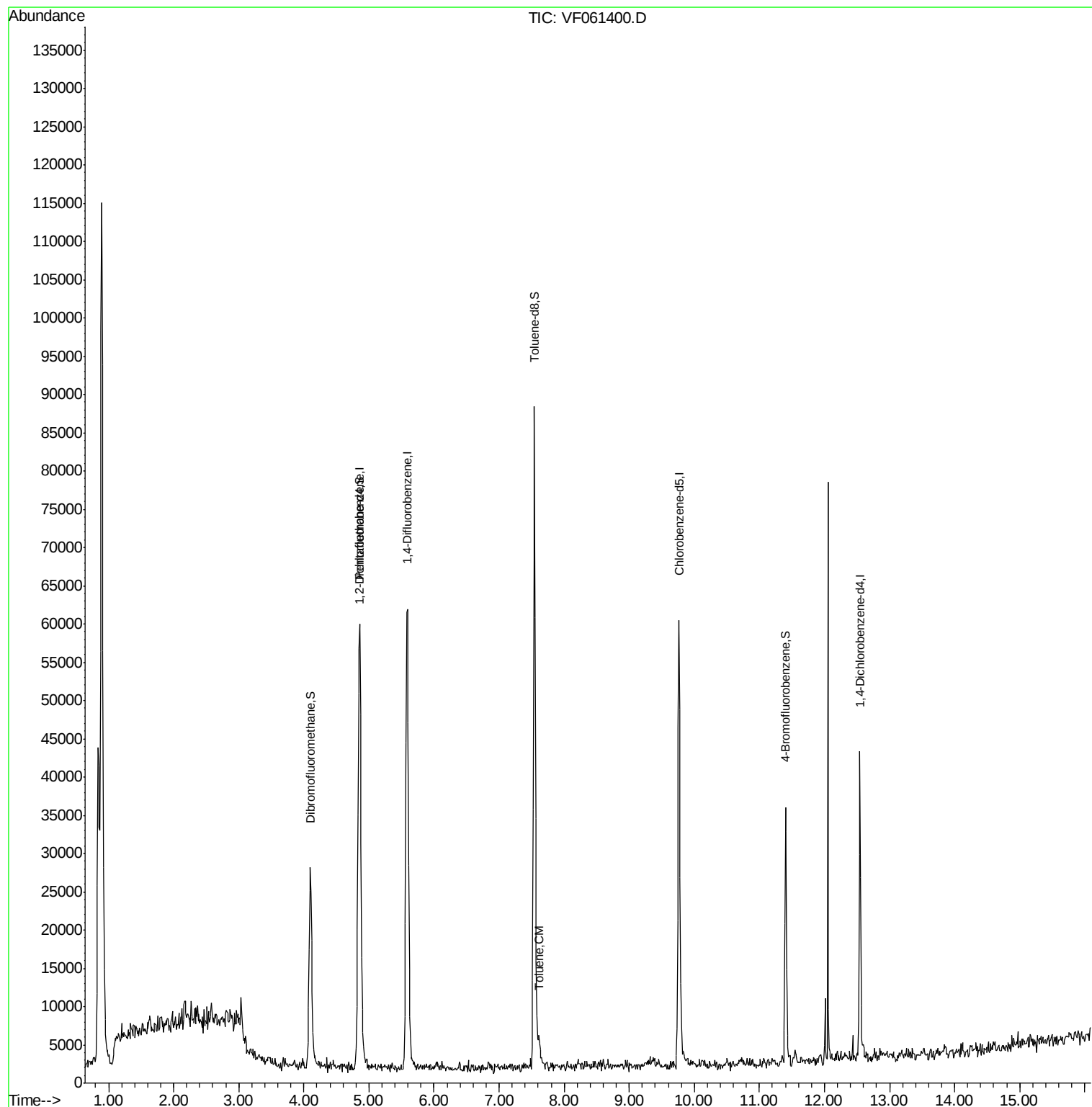
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	47995	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	69157	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	43011	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	9669	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	15823	29.62	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	59.24%	
35) Dibromofluoromethane	4.10	113	23880	45.13	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	90.26%	
50) Toluene-d8	7.54	98	68695	43.87	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.74%	
62) 4-Bromofluorobenzene	11.40	95	13315	19.47	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	38.94%	
Target Compounds						
52) Toluene	7.61	92	2165	1.786	ug/l #	Qvalue 66

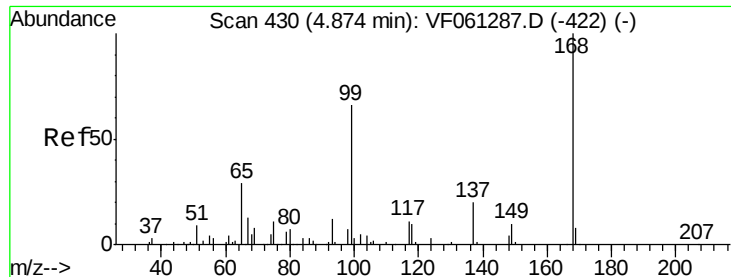
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061400.D

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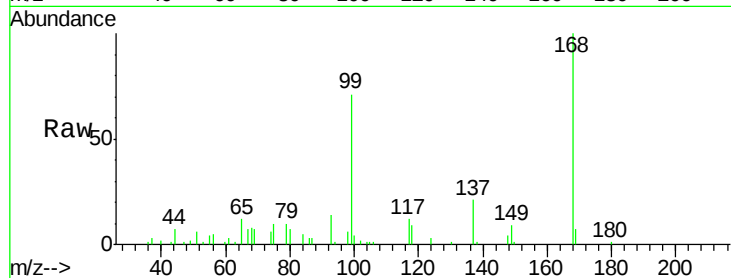
S-8

Tot Ion:168 Resp: 47995

Ion Ratio Lower Upper

168 100

99 70.5 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

15000

10000

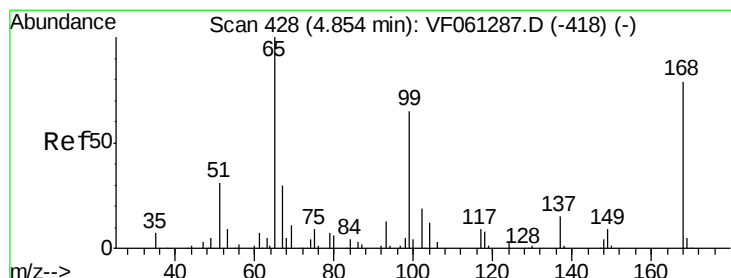
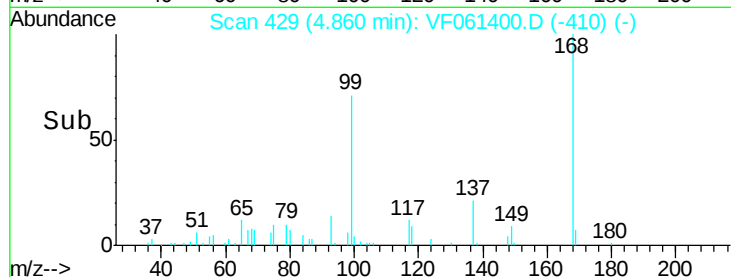
5000

0

Time-->

4.70 4.80 4.90 5.00

4.86



#33

1,2-Dichloroethane-d4

Concen: 29.619 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061400.D

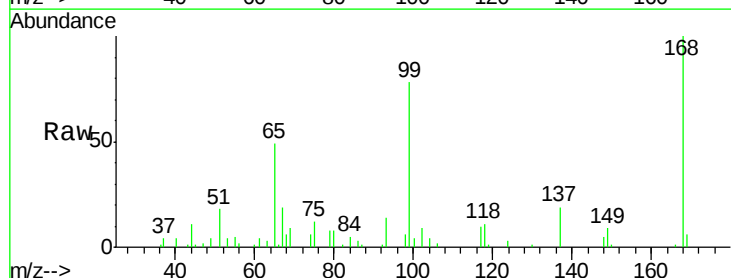
Acq: 14 Jan 2019 20:25

Tgt Ion: 65 Resp: 15823

Ion Ratio Lower Upper

65 100

67 38.5 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

6000

5000

4000

3000

2000

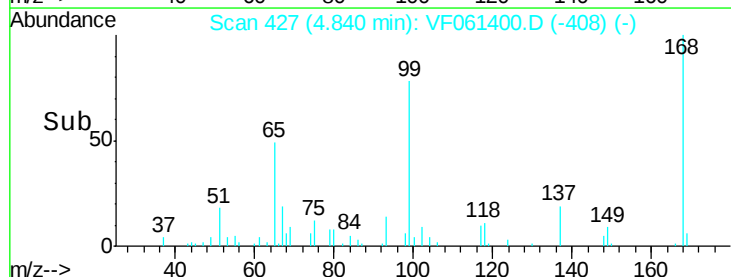
1000

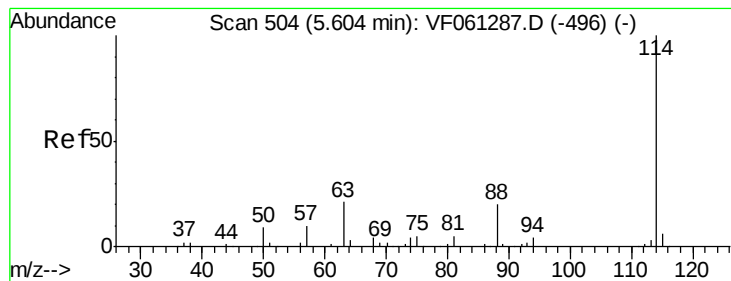
0

Time-->

4.70 4.80 4.90 5.00

4.84





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

Instrument :

MSVOA_F

ClientSampleId :

S-8

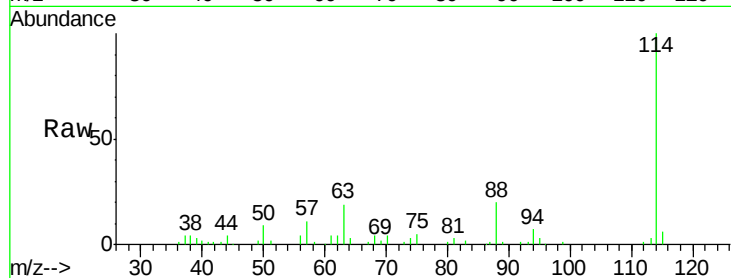
Tot Ion:114 Resp: 69157

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

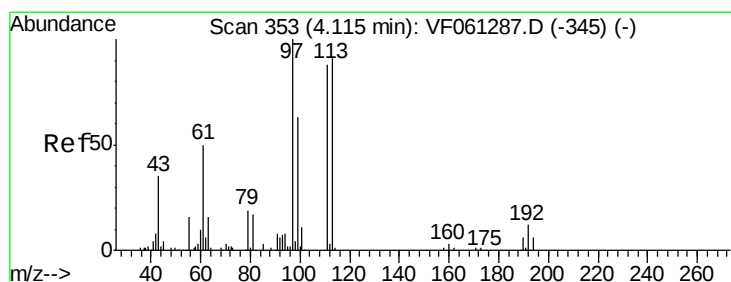
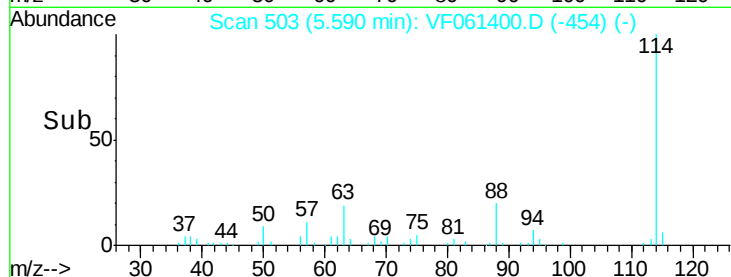
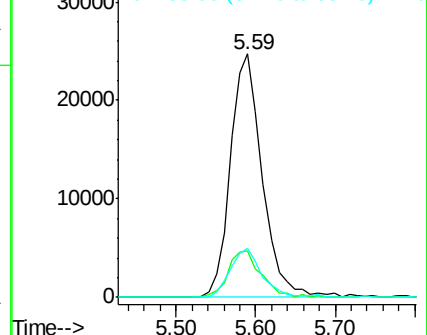
88 20.2 0.0 40.0



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: 45.128 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

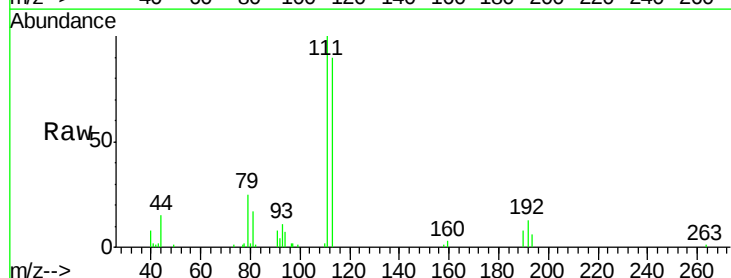
Tgt Ion:113 Resp: 23880

Ion Ratio Lower Upper

113 100

111 111.1 78.0 117.0

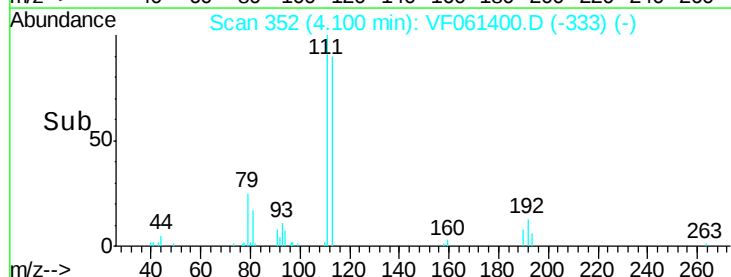
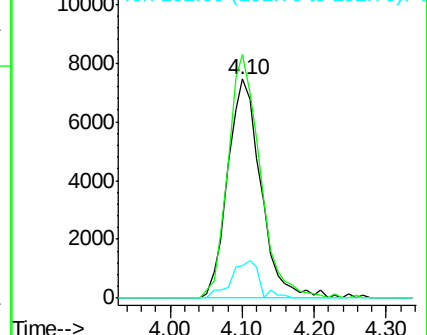
192 14.8 10.6 16.0

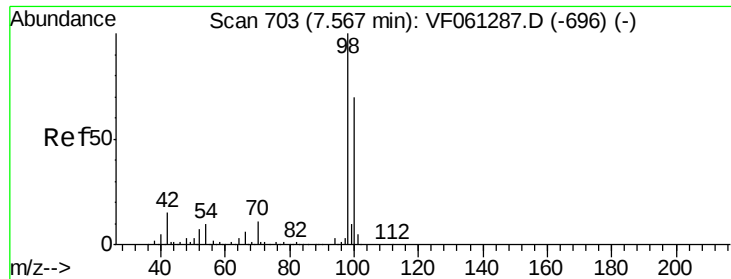


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

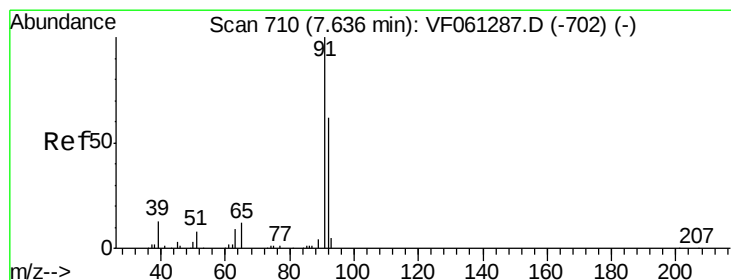
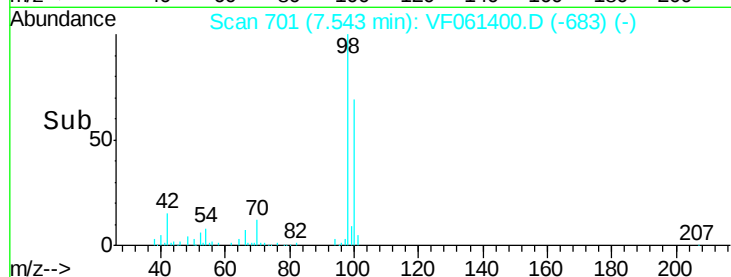
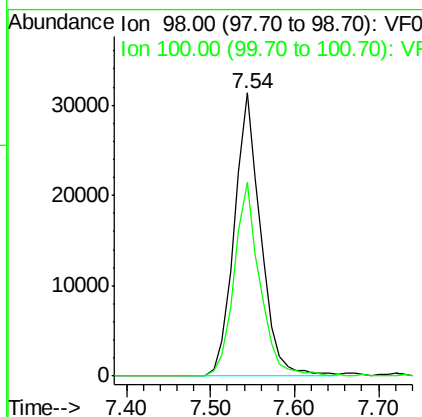
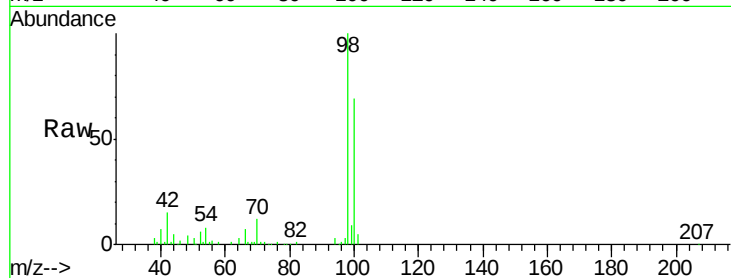




#50
Toluene-d8
Concen: 43.868 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

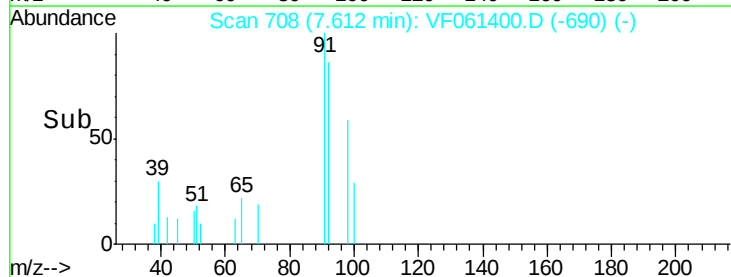
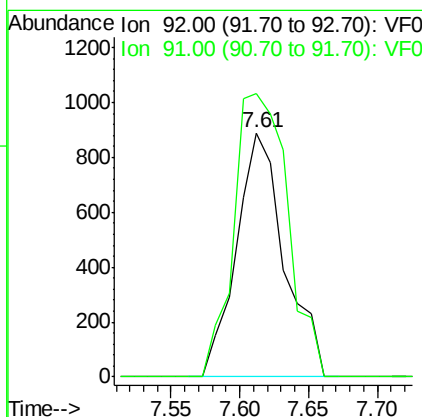
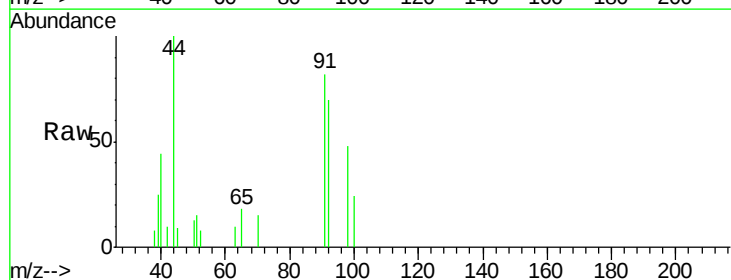
Instrument :
MSVOA_F
ClientSampleId :
S-8

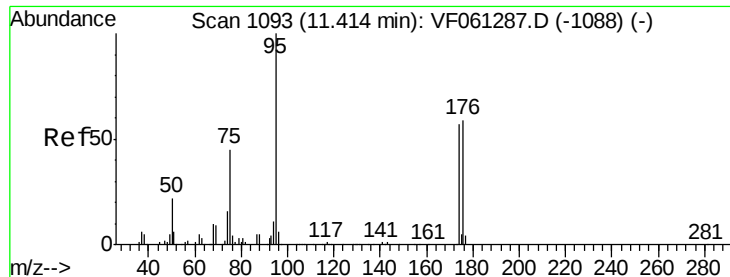
Tot Ion: 98 Resp: 68695
Ion Ratio Lower Upper
98 100
100 68.7 55.6 83.4



#52
Toluene
Concen: 1.786 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.02 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Tgt Ion: 92 Resp: 2165
Ion Ratio Lower Upper
92 100
91 116.0 129.2 193.8#





#62

4-Bromofluorobenzene

Concen: 19.473 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

Instrument :

MSVOA_F

ClientSampleId :

S-8

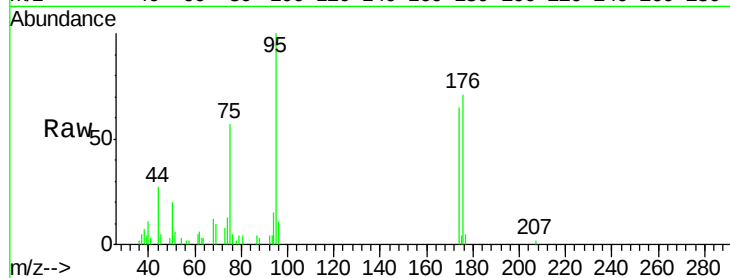
Tot Ion: 95 Resp: 13315

Ion Ratio Lower Upper

95 100

174 64.9 0.0 114.2

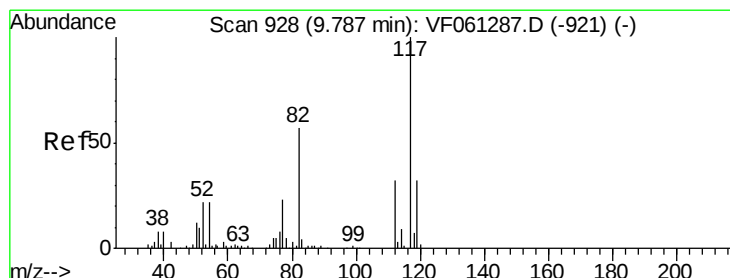
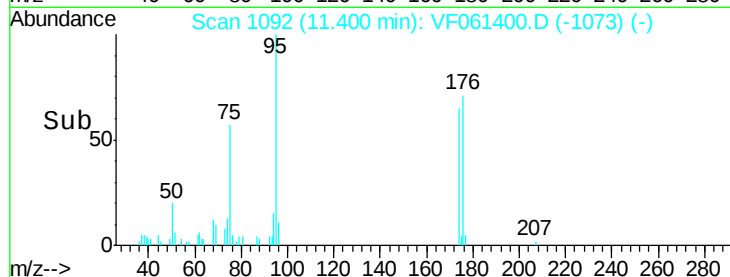
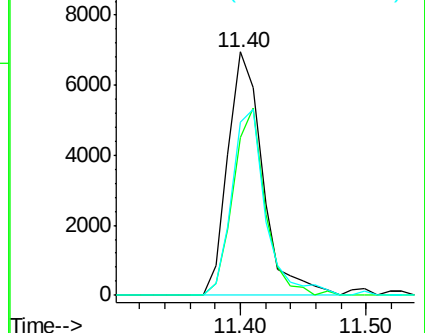
176 71.1 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

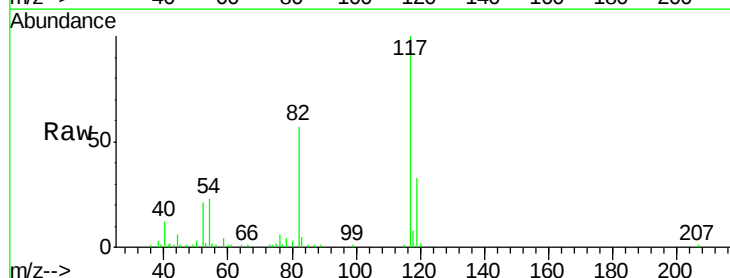
Tgt Ion: 117 Resp: 43011

Ion Ratio Lower Upper

117 100

82 57.0 45.3 67.9

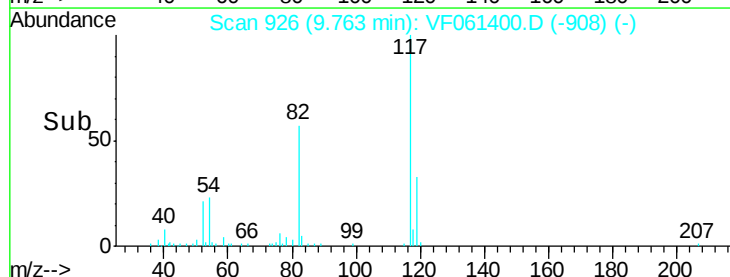
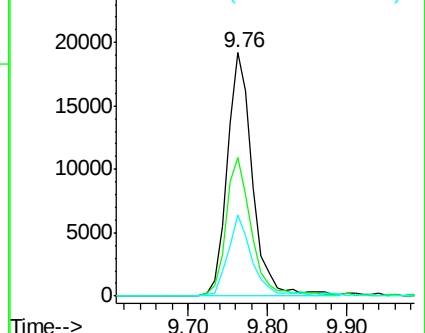
119 33.4 25.4 38.0

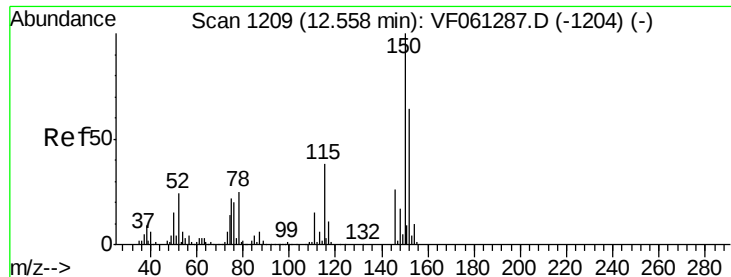


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

Instrument :

MSVOA_F

ClientSampleId :

S-8

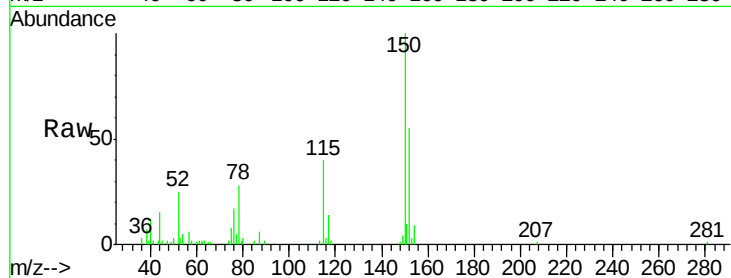
Tot Ion:152 Resp: 9669

Ion Ratio Lower Upper

152 100

115 72.3 29.6 88.9

150 181.6 0.0 315.4



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

