

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061519.D
 Acq On : 25 Jan 2019 14:26
 Operator : VA/AP
 Sample : K1231-01
 Misc : 5.85g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200029

Quant Time: Jan 28 00:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

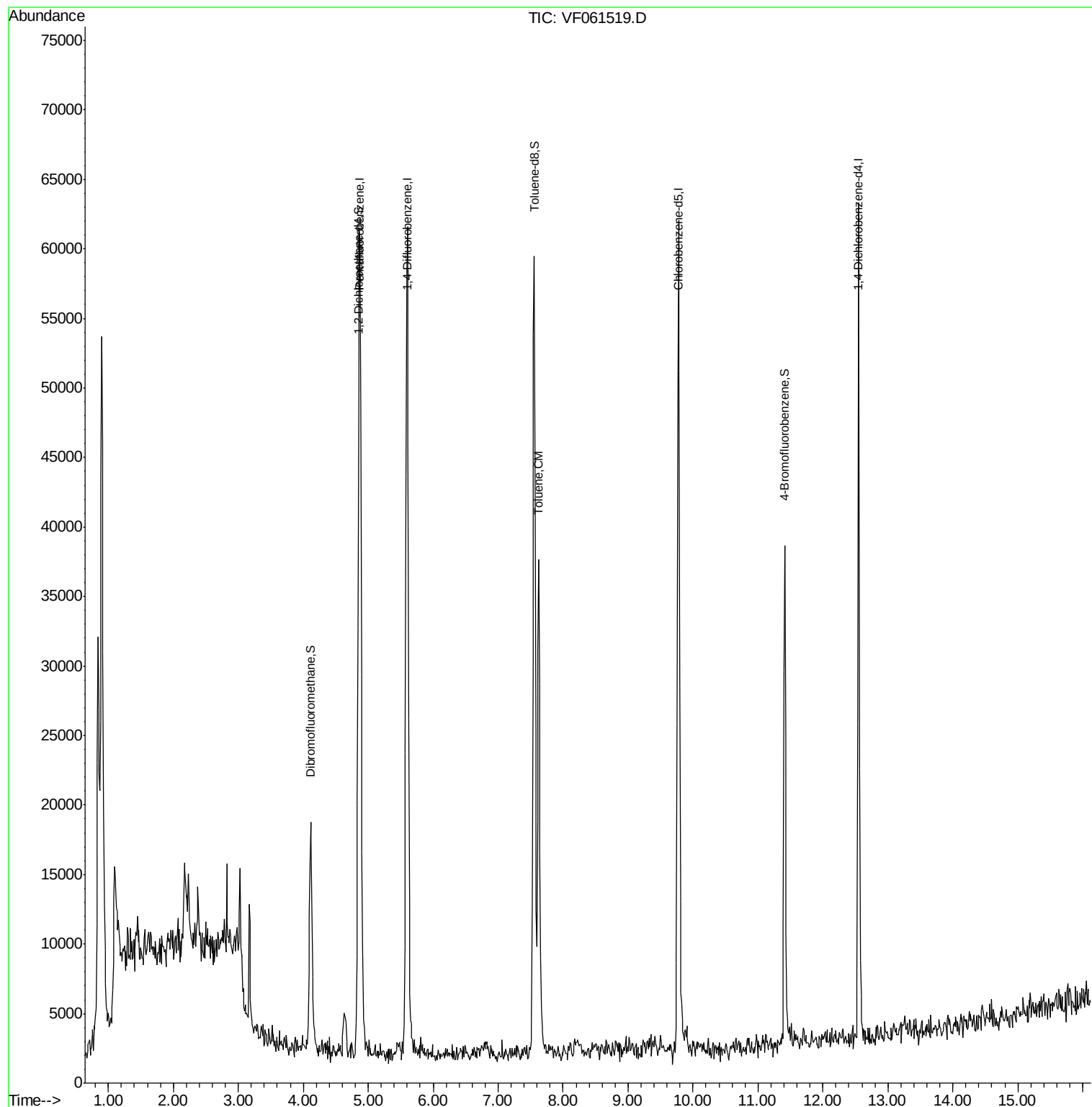
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	52623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	69941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	47169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	16142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	10131	15.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	31.18%	
35) Dibromofluoromethane	4.11	113	15562	28.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.40%	
50) Toluene-d8	7.56	98	50906	33.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.34%	
62) 4-Bromofluorobenzene	11.41	95	15132	21.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.84%	
Target Compounds						
52) Toluene	7.62	92	18850	15.863	ug/l	Qvalue 92

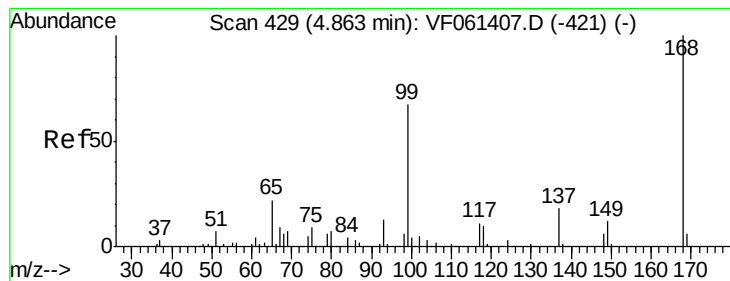
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

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Acq: 25 Jan 2019 14:26

Instrument :

MSVOA_F

ClientSampleId :

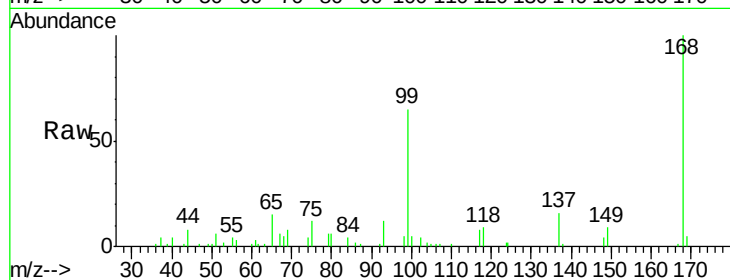
RBR-200029

Tot Ion:168 Resp: 52623

Ion Ratio Lower Upper

168 100

99 65.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.86

15000

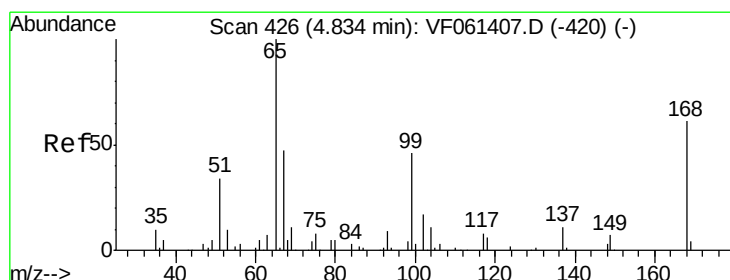
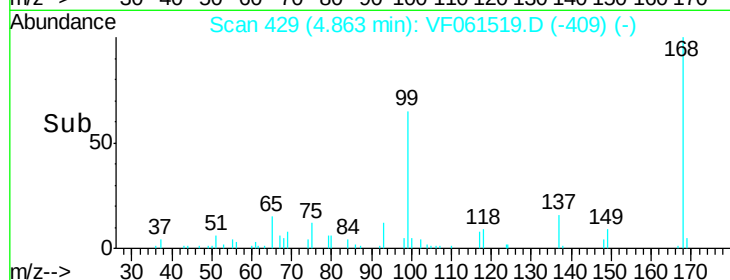
10000

5000

0

Time-->

4.80 4.90 5.00



#33

1,2-Dichloroethane-d4

Concen: 15.593 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061519.D

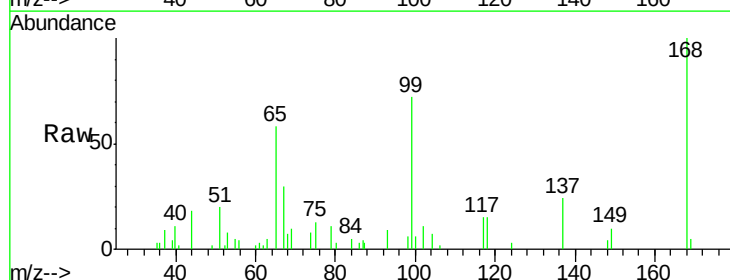
Acq: 25 Jan 2019 14:26

Tgt Ion: 65 Resp: 10131

Ion Ratio Lower Upper

65 100

67 52.3 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.84

4000

3000

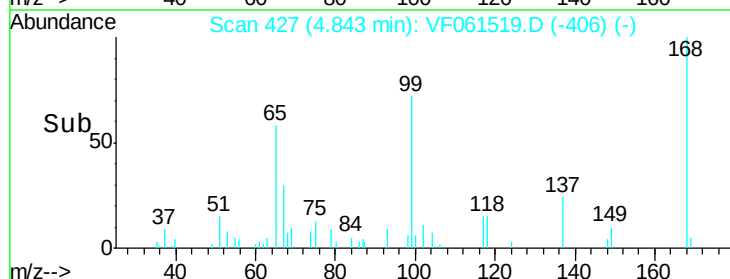
2000

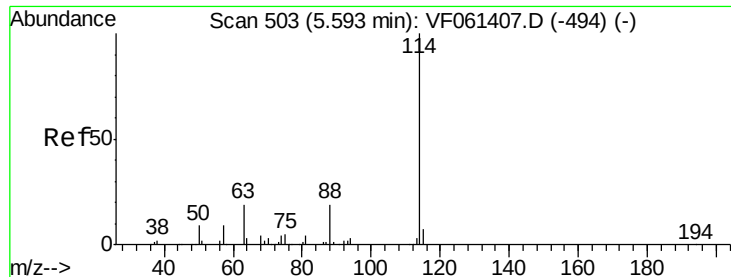
1000

0

Time-->

4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061519.D

Acq: 25 Jan 2019 14:26

Instrument :

MSVOA_F

ClientSampleId :

RBR-200029

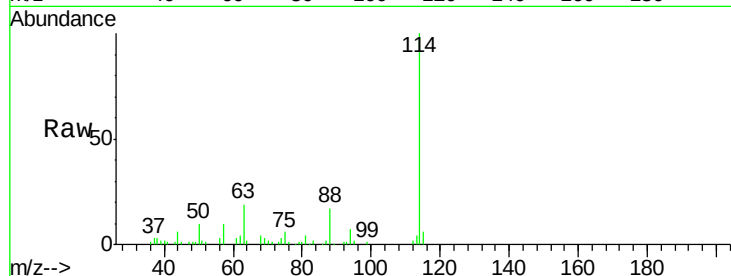
Tot Ion:114 Resp: 69941

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.0

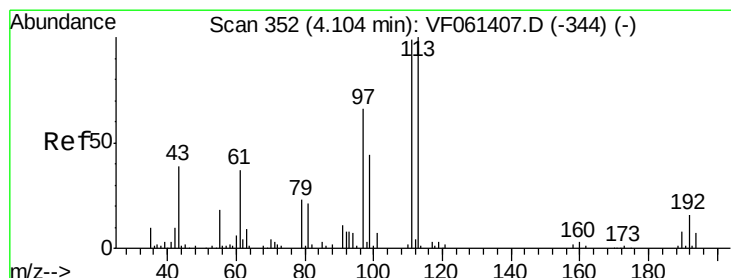
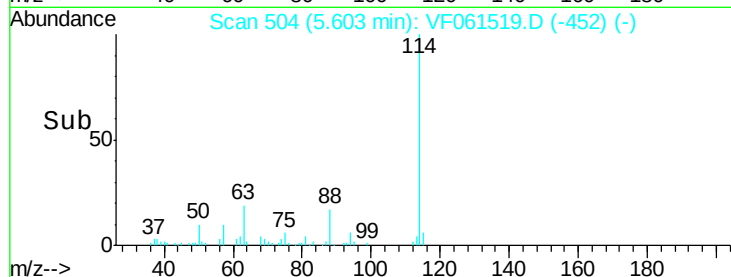
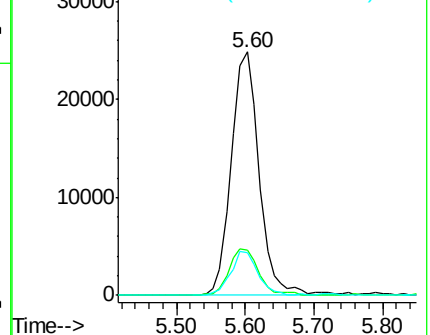
88 17.4 0.0 37.4



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: 28.197 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061519.D

Acq: 25 Jan 2019 14:26

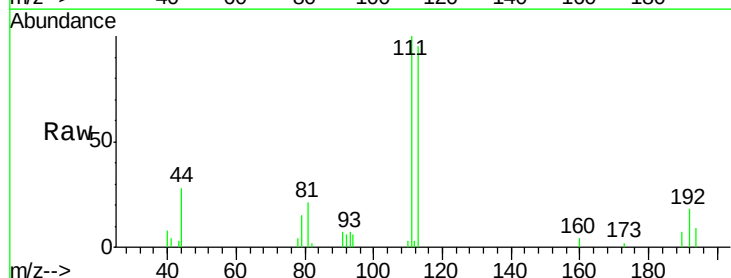
Tgt Ion:113 Resp: 15562

Ion Ratio Lower Upper

113 100

111 105.1 79.4 119.0

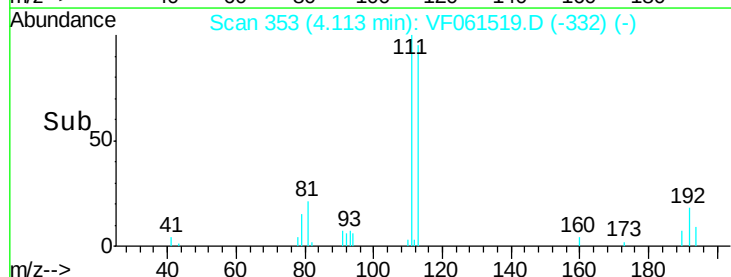
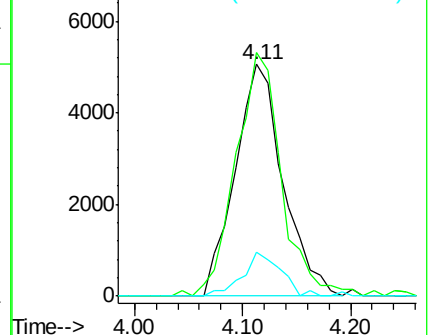
192 18.7 12.4 18.6#

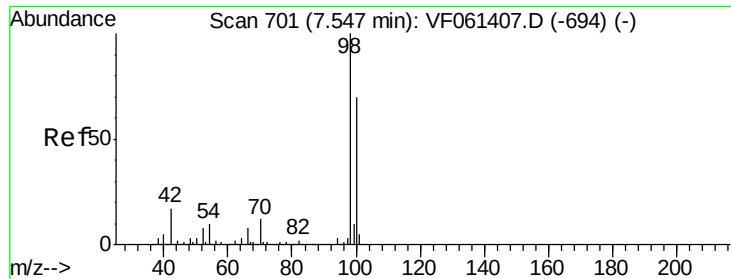


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 33.666 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061519.D

Acq: 25 Jan 2019 14:26

Instrument :

MSVOA_F

ClientSampleId :

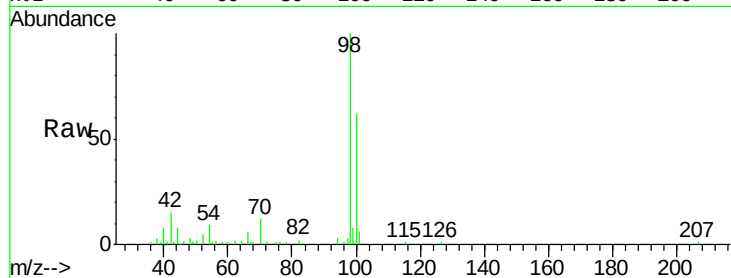
RBR-200029

Tot Ion: 98 Resp: 50906

Ion Ratio Lower Upper

98 100

100 61.6 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

25000

20000

15000

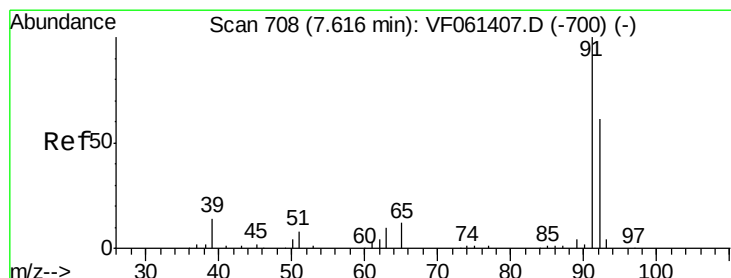
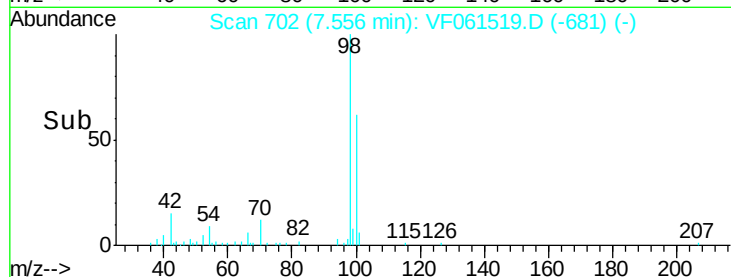
10000

5000

0

Time-->

7.40 7.50 7.60 7.70



#52

Toluene

Concen: 15.863 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061519.D

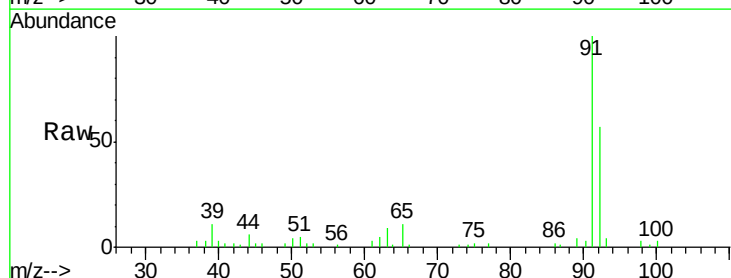
Acq: 25 Jan 2019 14:26

Tgt Ion: 92 Resp: 18850

Ion Ratio Lower Upper

92 100

91 175.2 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

15000

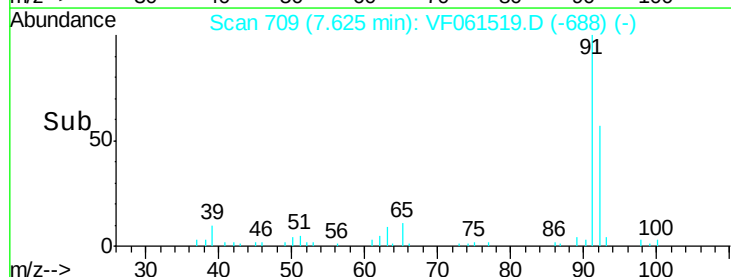
10000

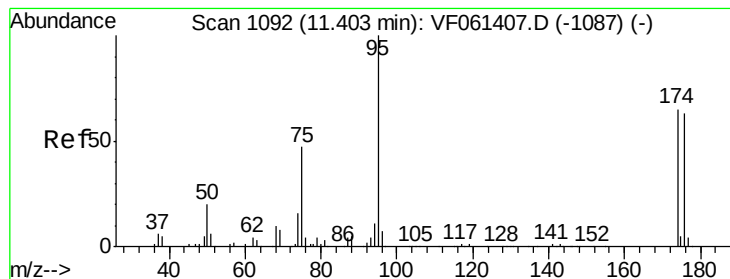
5000

0

Time-->

7.50 7.60 7.70





#62

4-Bromofluorobenzene

Concen: 21.419 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061519.D

Acq: 25 Jan 2019 14:26

Instrument :

MSVOA_F

ClientSampleId :

RBR-200029

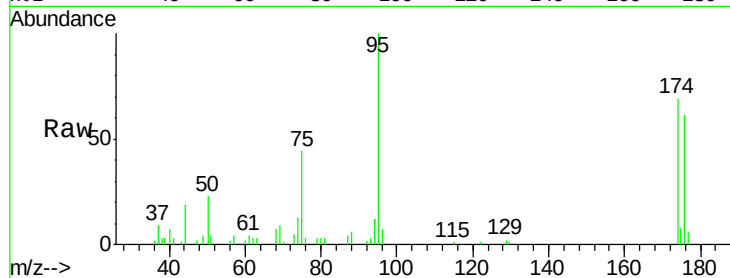
Tot Ion: 95 Resp: 15132

Ion Ratio Lower Upper

95 100

174 68.5 0.0 130.4

176 60.5 0.0 126.2

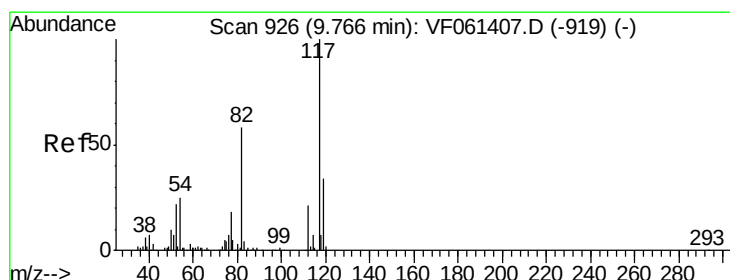
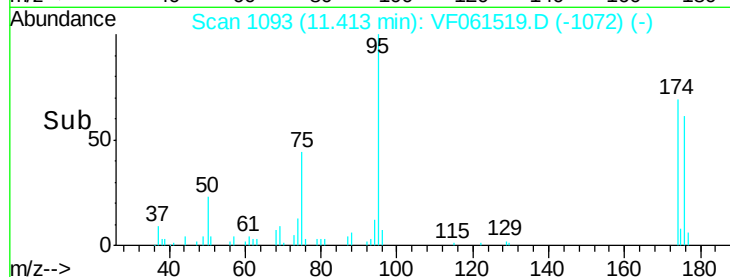


Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)

Time--> 11.30 11.40 11.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061519.D

Acq: 25 Jan 2019 14:26

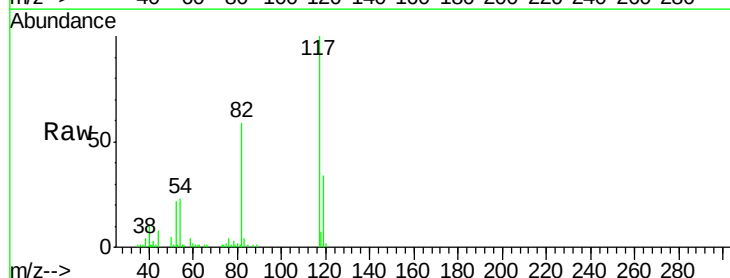
Tgt Ion: 117 Resp: 47169

Ion Ratio Lower Upper

117 100

82 58.8 46.4 69.6

119 34.1 27.2 40.8

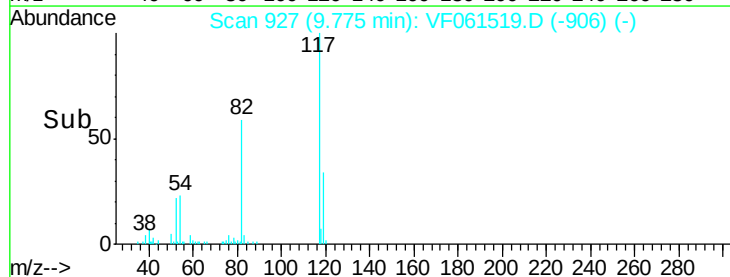


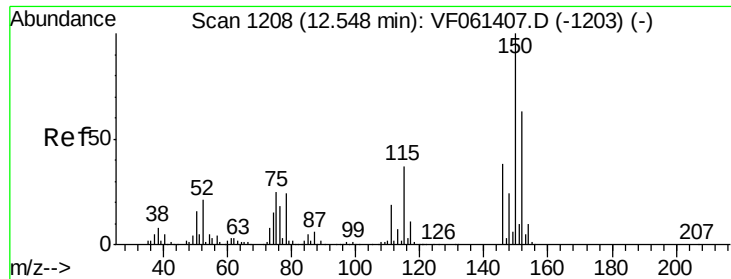
Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)

Time--> 9.60 9.80 10.00





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061519.D

Acq: 25 Jan 2019 14:26

Instrument :

MSVOA_F

ClientSampleId :

RBR-200029

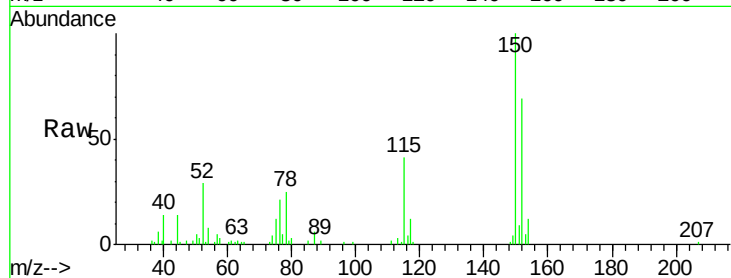
Tot Ion:152 Resp: 16142

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

150 144.9 0.0 321.4



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

