

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061532.D
 Acq On : 25 Jan 2019 20:40
 Operator : VA/AP
 Sample : K1255-01
 Misc : 6.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200036

Quant Time: Jan 28 01:29:30 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

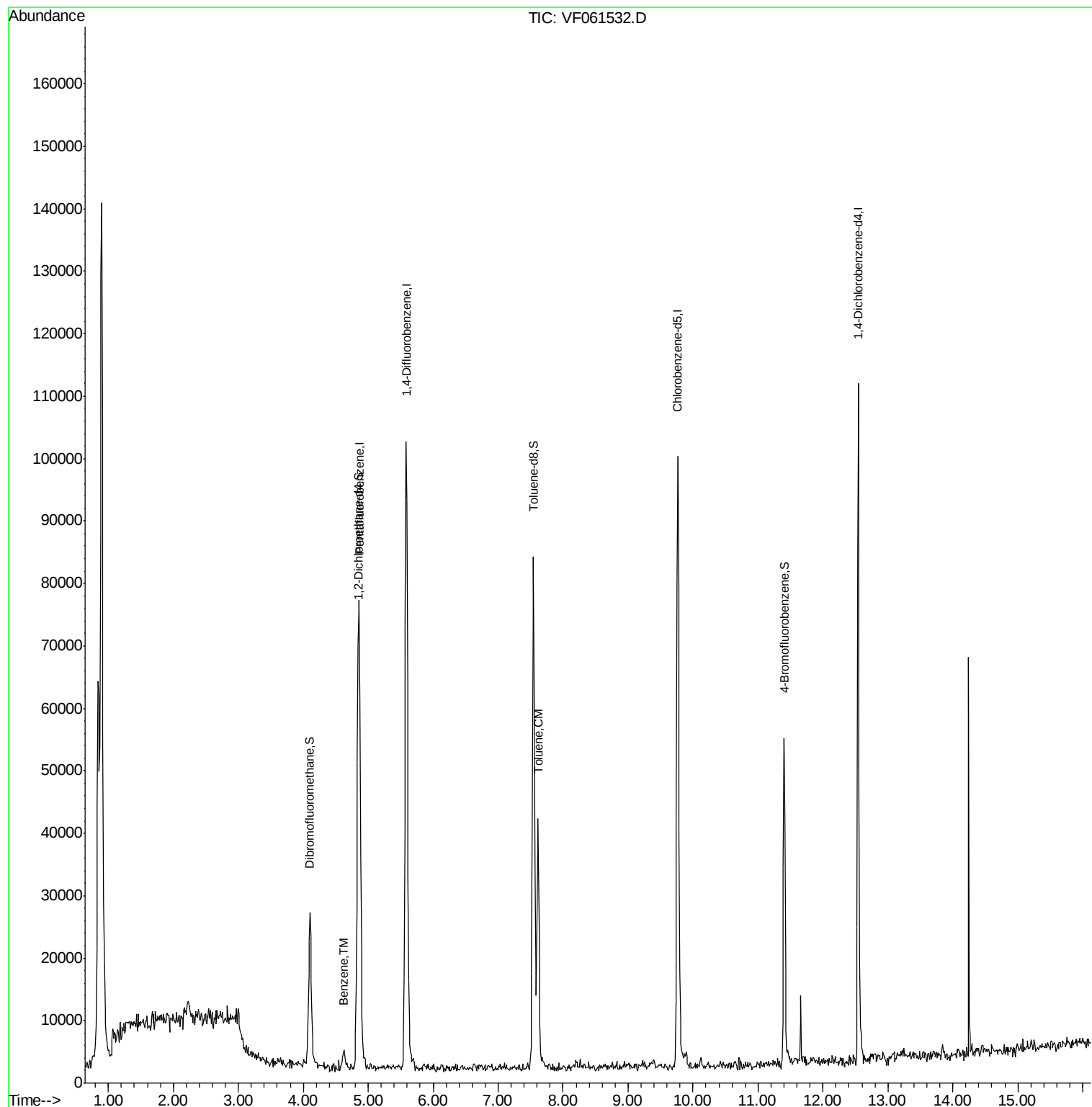
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	69077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	109179	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	72962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	27588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	13465	15.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	31.58%	
35) Dibromofluoromethane	4.10	113	23913	27.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.52%	
50) Toluene-d8	7.55	98	70562	29.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.78%	
62) 4-Bromofluorobenzene	11.40	95	20265	18.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.76%	
Target Compounds						
40) Benzene	4.62	78	3877	1.376	ug/l #	86
52) Toluene	7.61	92	22012	11.867	ug/l	98

(#) = 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. -0.00 min

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Acq: 25 Jan 2019 20:40

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MSVOA_F

ClientSampleId :

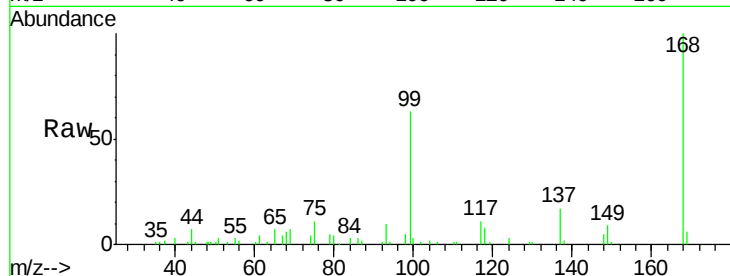
RBR200036

Tot Ion:168 Resp: 69077

Ion Ratio Lower Upper

168 100

99 63.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

25000

20000

15000

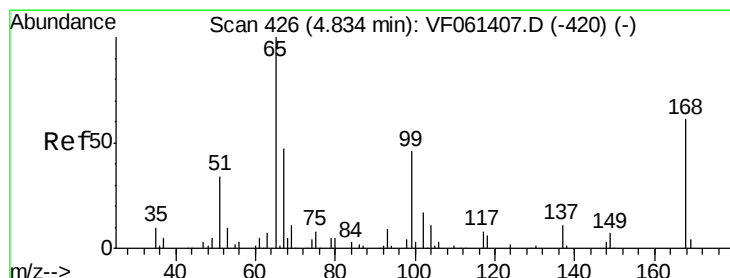
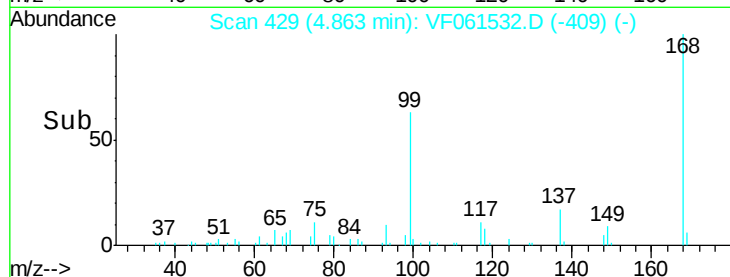
10000

5000

0

4.70 4.80 4.90 5.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 15.788 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061532.D

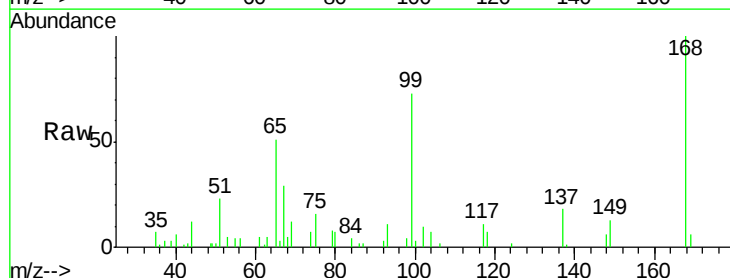
Acq: 25 Jan 2019 20:40

Tgt Ion: 65 Resp: 13465

Ion Ratio Lower Upper

65 100

67 57.3 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

6000

5000

4000

3000

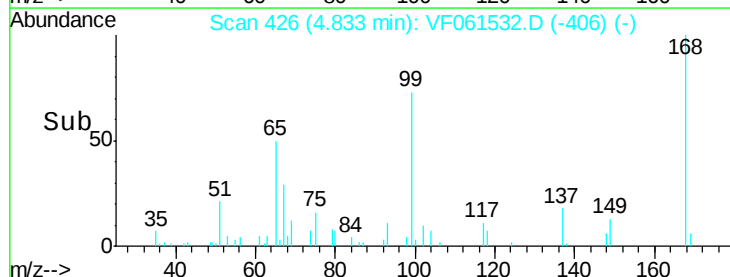
2000

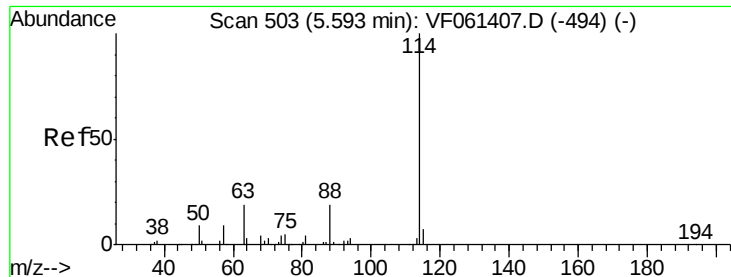
1000

0

4.70 4.80 4.90

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

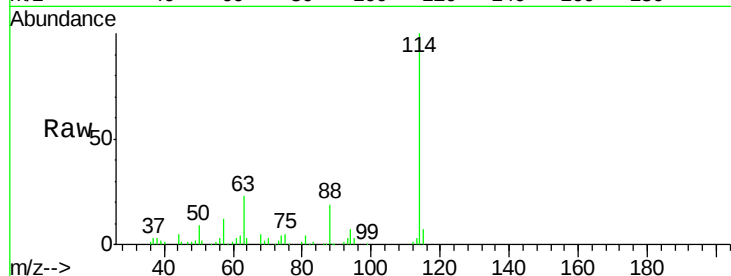
Tot Ion:114 Resp: 109179

Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.0

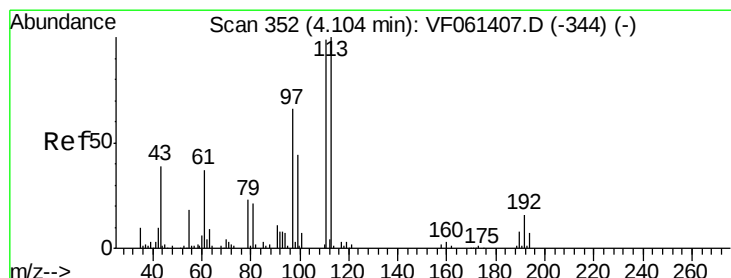
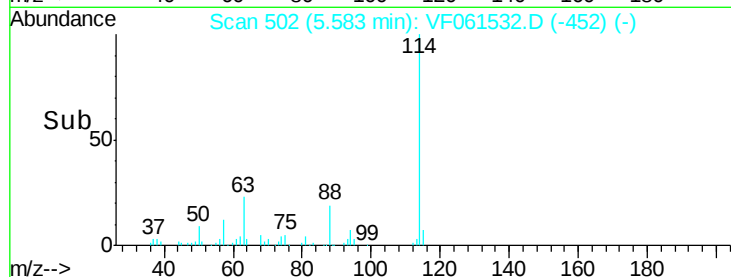
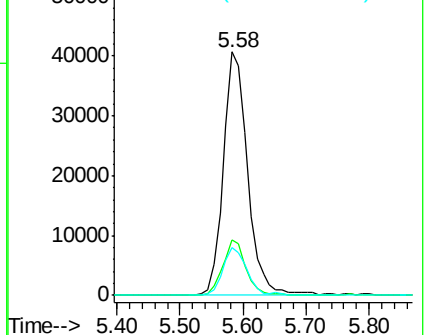
88 19.5 0.0 37.4



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: 27.757 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

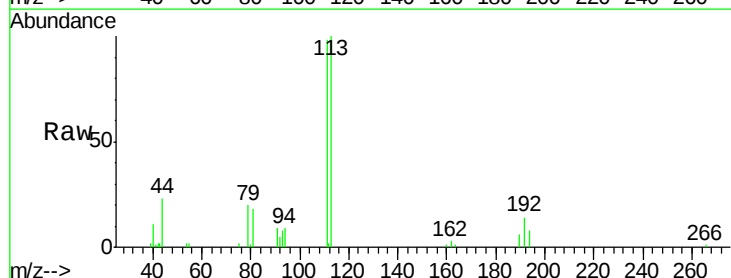
Tgt Ion:113 Resp: 23913

Ion Ratio Lower Upper

113 100

111 100.3 79.4 119.0

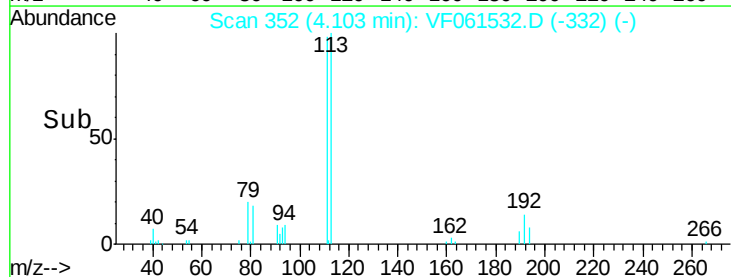
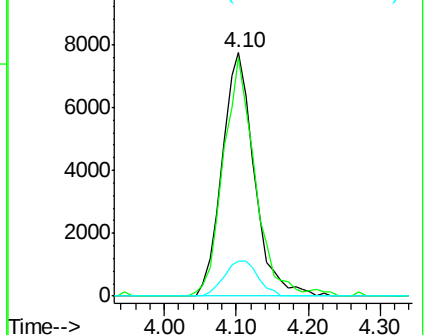
192 14.3 12.4 18.6

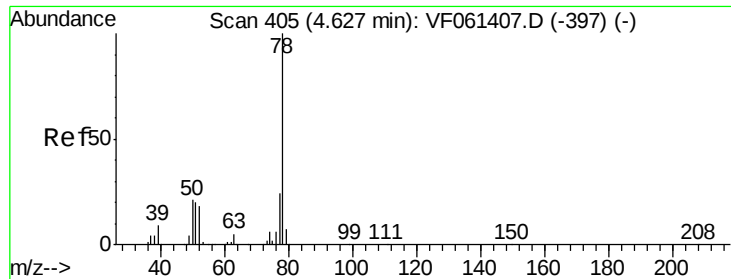


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 1.376 ug/l

RT: 4.62 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

Instrument :

MSVOA_F

ClientSampleId :

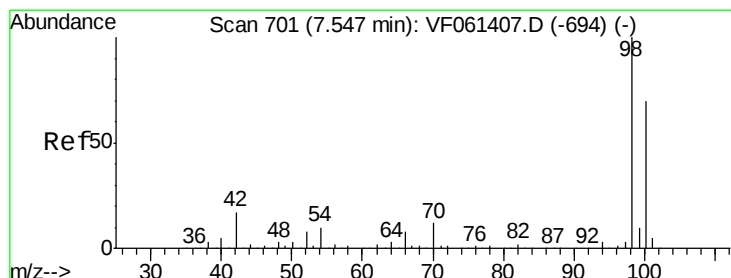
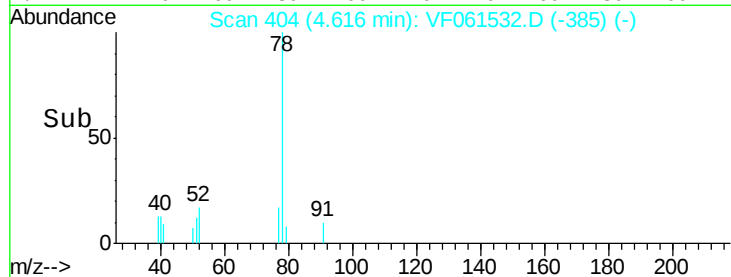
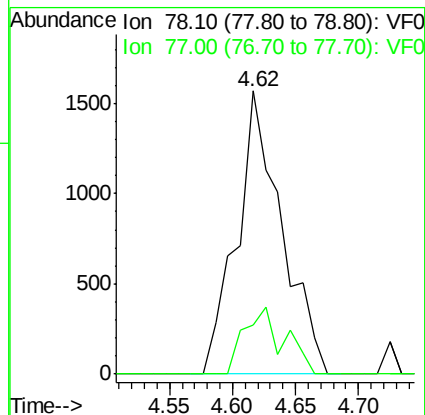
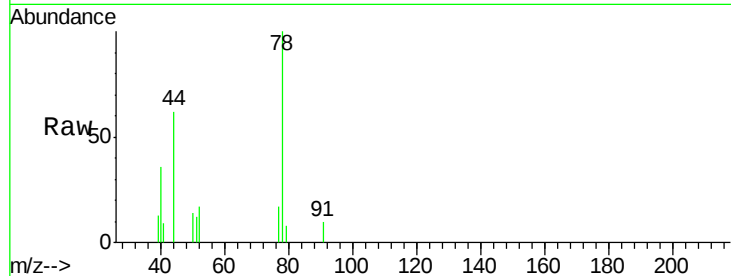
RBR200036

Tot Ion: 78 Resp: 3877

Ion Ratio Lower Upper

78 100

77 17.2 19.0 28.6#



#50

Toluene-d8

Concen: 29.894 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061532.D

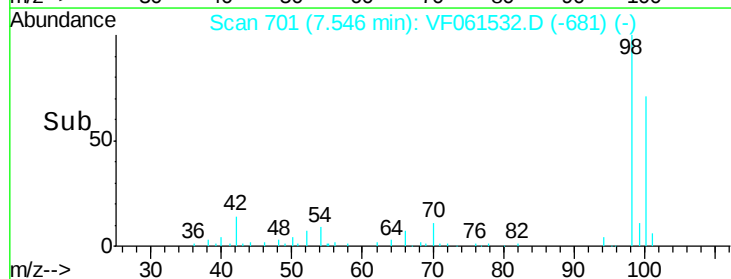
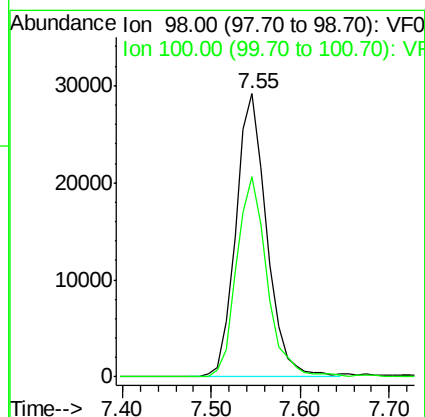
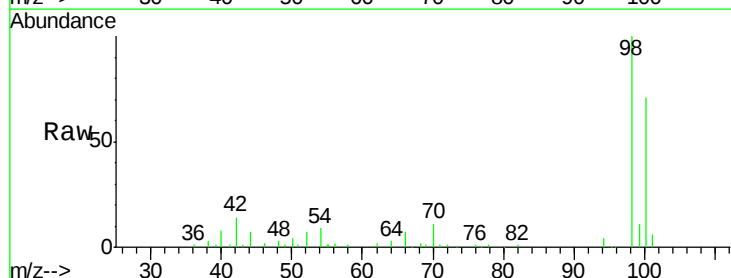
Acq: 25 Jan 2019 20:40

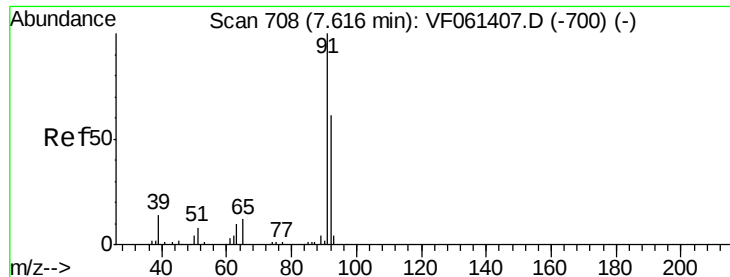
Tgt Ion: 98 Resp: 70562

Ion Ratio Lower Upper

98 100

100 70.8 55.6 83.4





#52

Toluene

Concen: 11.867 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

Instrument :

MSVOA_F

ClientSampleId :

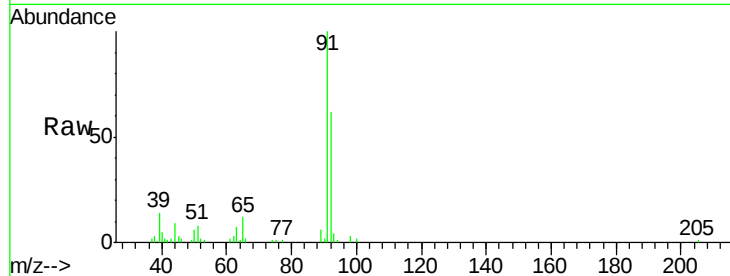
RBR200036

Tot Ion: 92 Resp: 22012

Ion Ratio Lower Upper

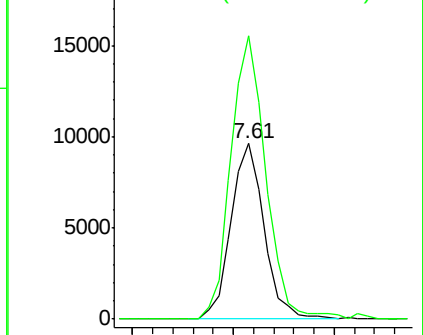
92 100

91 161.4 131.2 196.8

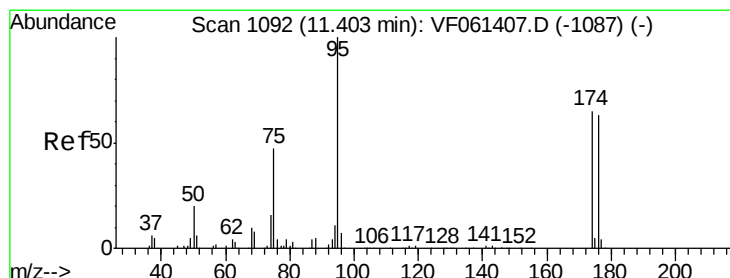
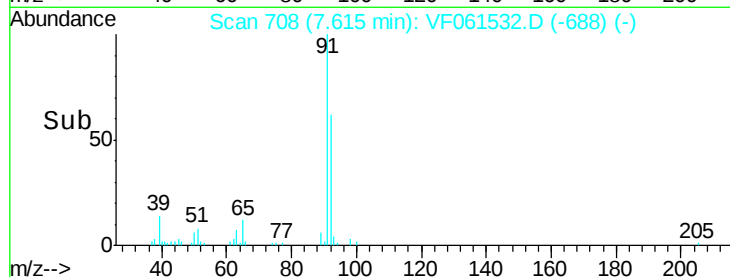


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->



#62

4-Bromofluorobenzene

Concen: 18.375 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061532.D

Acq: 25 Jan 2019 20:40

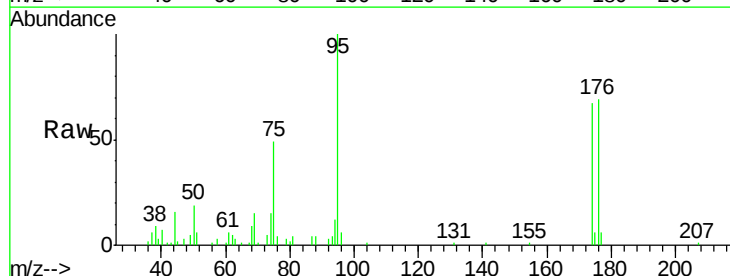
Tgt Ion: 95 Resp: 20265

Ion Ratio Lower Upper

95 100

174 66.5 0.0 130.4

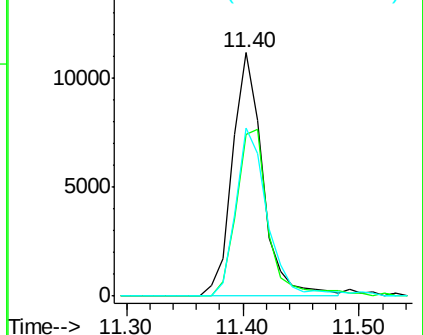
176 69.2 0.0 126.2



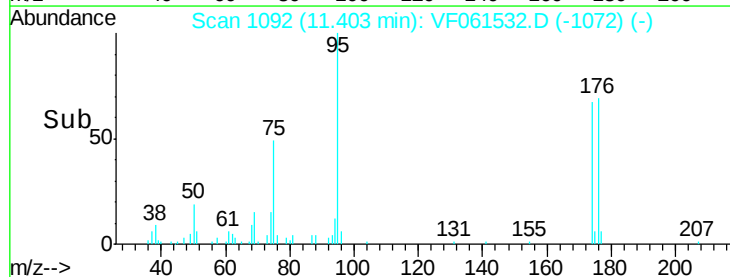
Abundance Ion 95.00 (94.70 to 95.70): VF0

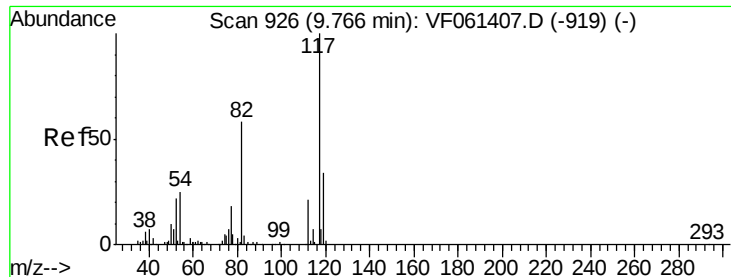
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

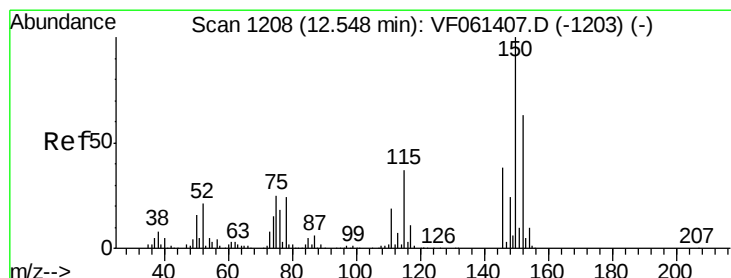
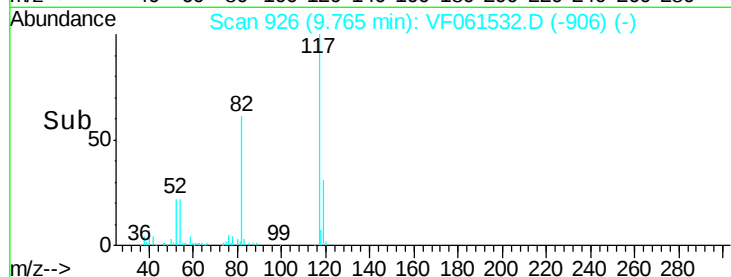
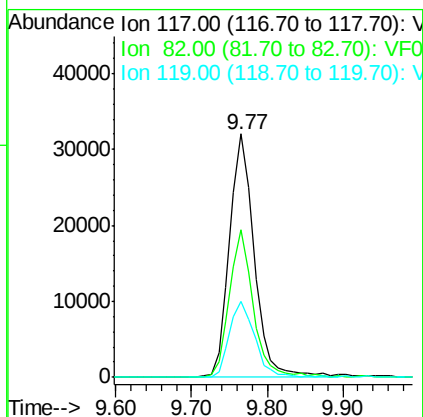
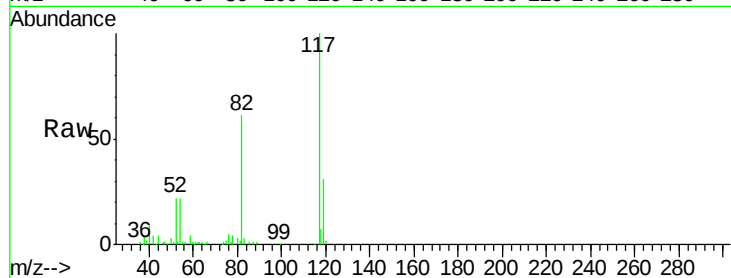




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061532.D
Acq: 25 Jan 2019 20:40

Instrument :
MSVOA_F
ClientSampleId :
RBR200036

Tot Ion:117 Resp: 72962
Ion Ratio Lower Upper
117 100
82 60.7 46.4 69.6
119 31.3 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061532.D
Acq: 25 Jan 2019 20:40

Tgt Ion:152 Resp: 27588
Ion Ratio Lower Upper
152 100
115 63.2 30.0 90.0
150 150.9 0.0 321.4

