

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061396.D
 Acq On : 14 Jan 2019 18:30
 Operator : VA/AP
 Sample : K1139-07
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-4

Quant Time: Jan 14 22:07:40 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

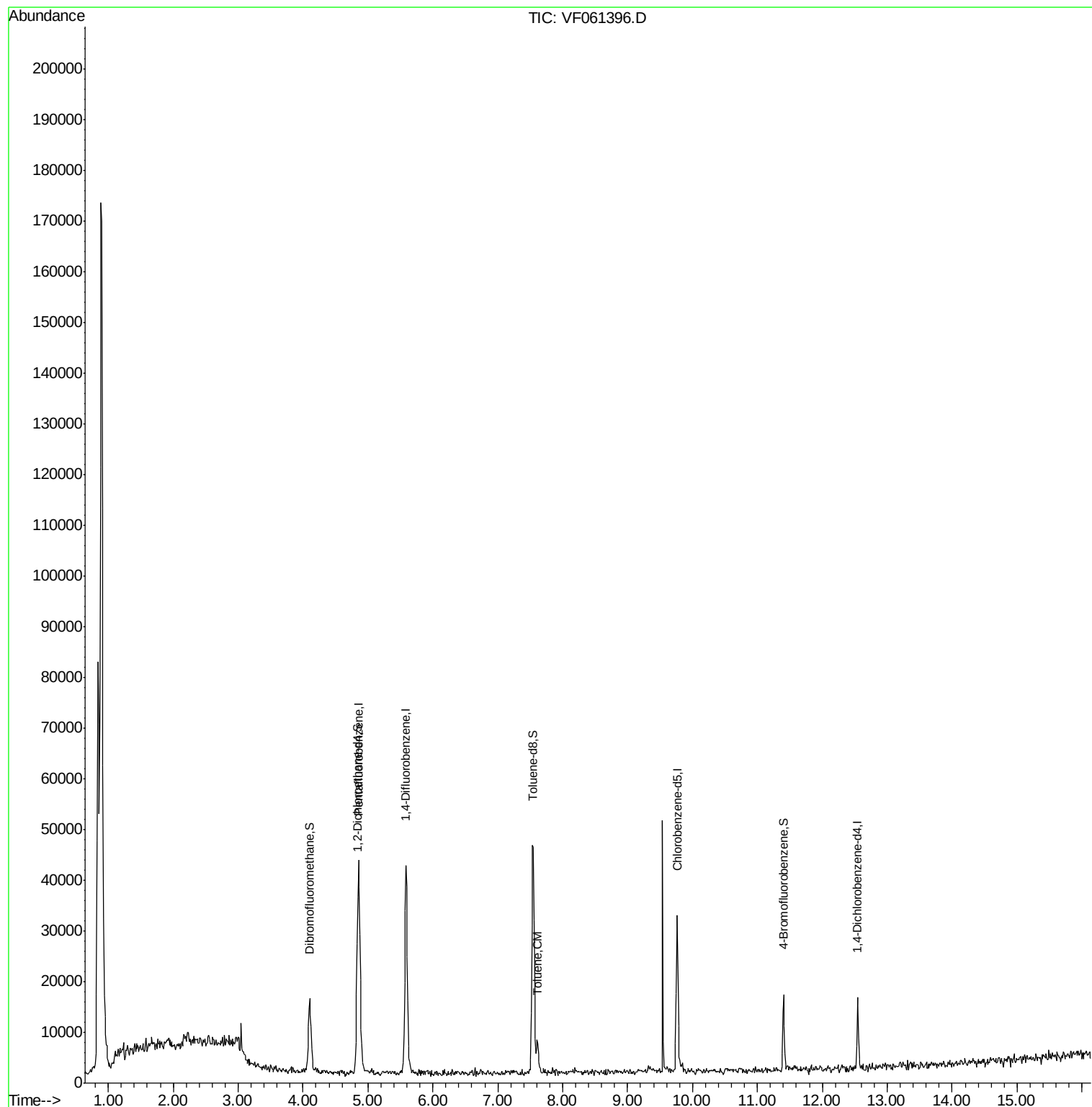
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	35326	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	47082	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	24573	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	3763	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	8435	21.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	42.90%	
35) Dibromofluoromethane	4.10	113	14020	38.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	77.84%	
50) Toluene-d8	7.55	98	41468	38.90	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	77.80%	
62) 4-Bromofluorobenzene	11.40	95	6756	14.51	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	29.02%	
Target Compounds						
52) Toluene	7.62	92	2856	3.462	ug/l #	Qvalue 64

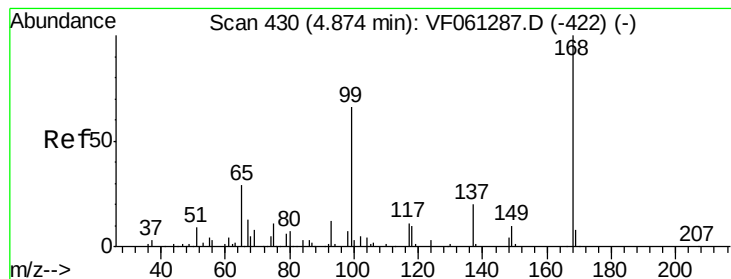
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061396.D

Acq: 14 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

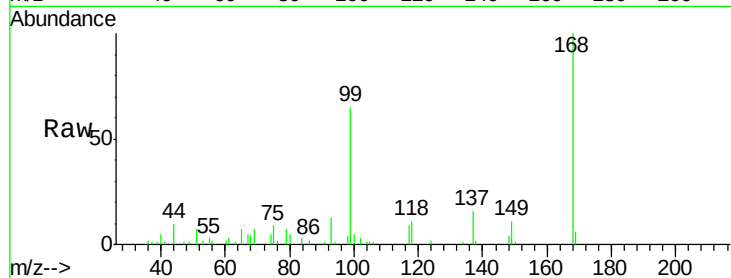
S-4

Tot Ion:168 Resp: 35326

Ion Ratio Lower Upper

168 100

99 64.8 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

12000

10000

8000

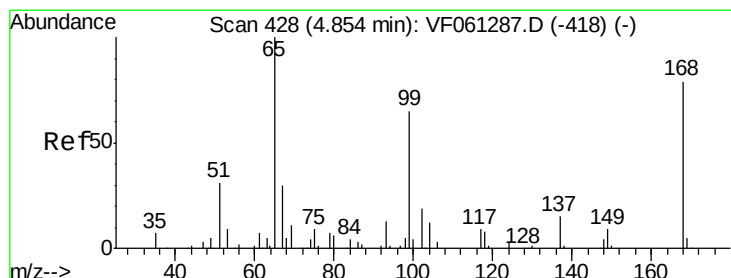
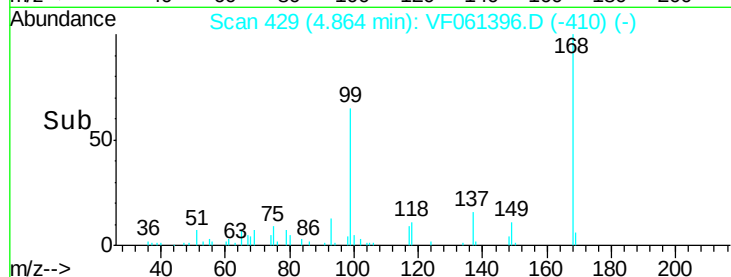
6000

4000

2000

0

Time--> 4.70 4.80 4.90 5.00



#33

1,2-Dichloroethane-d4

Concen: 21.452 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061396.D

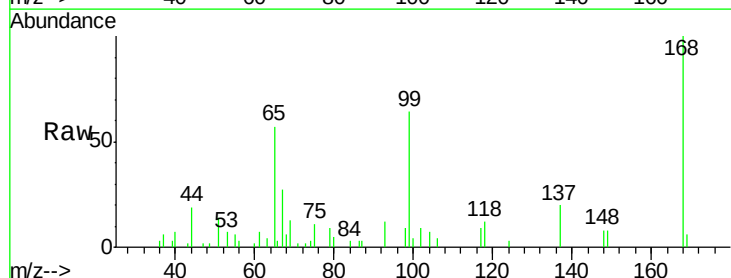
Acq: 14 Jan 2019 18:30

Tgt Ion: 65 Resp: 8435

Ion Ratio Lower Upper

65 100

67 47.6 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83

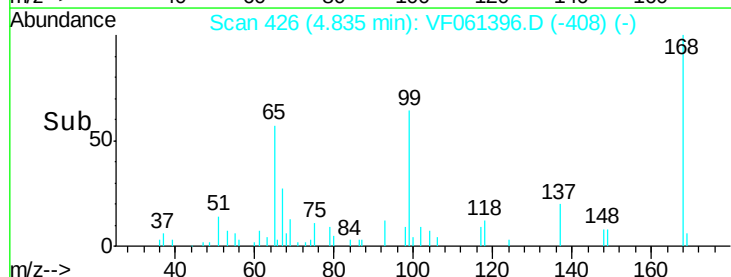
3000

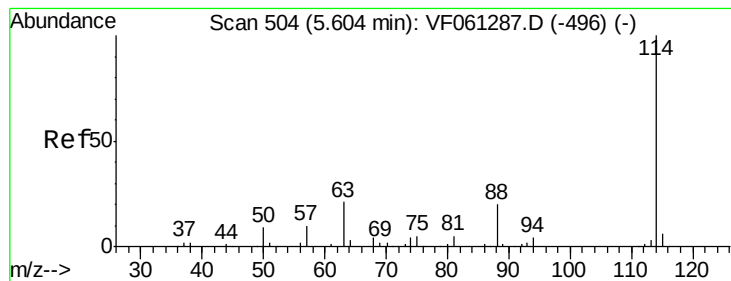
2000

1000

0

Time--> 4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061396.D

Acq: 14 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

S-4

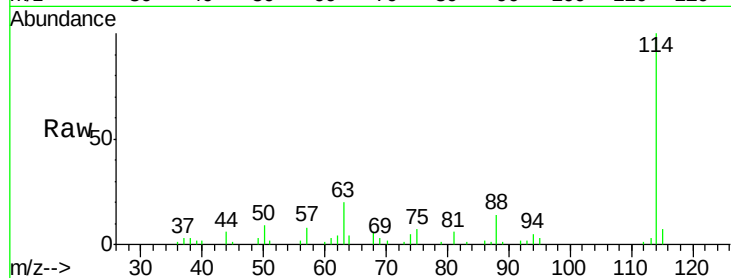
Tot Ion:114 Resp: 47082

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

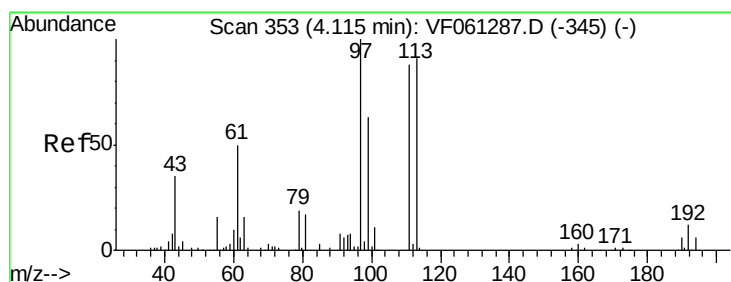
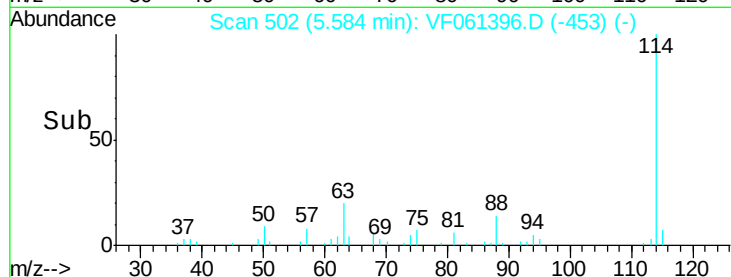
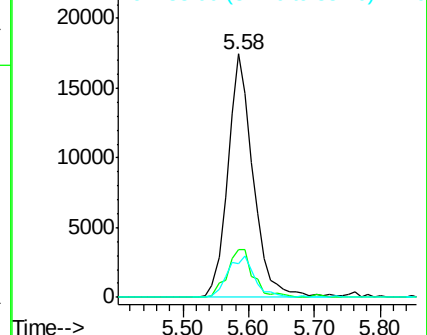
88 13.7 0.0 40.0



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: 38.917 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061396.D

Acq: 14 Jan 2019 18:30

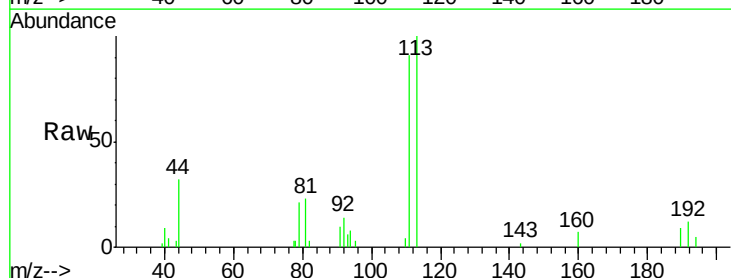
Tgt Ion:113 Resp: 14020

Ion Ratio Lower Upper

113 100

111 90.7 78.0 117.0

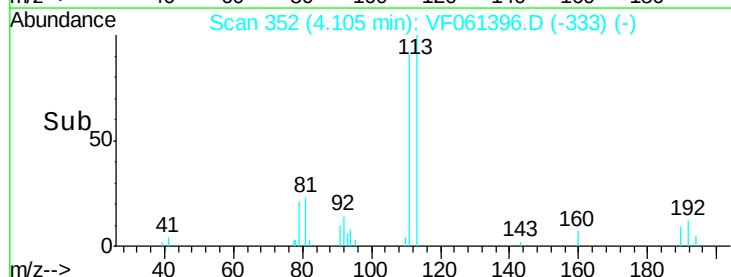
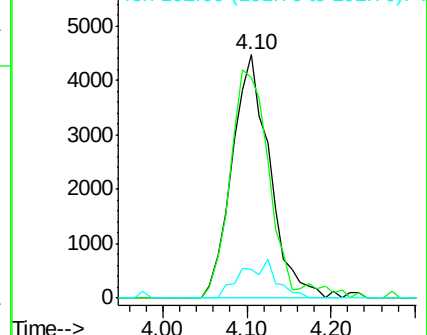
192 11.6 10.6 16.0

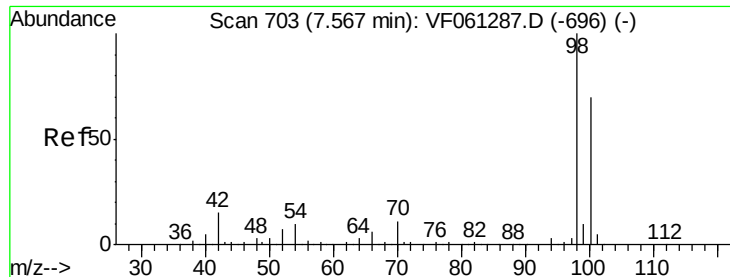


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

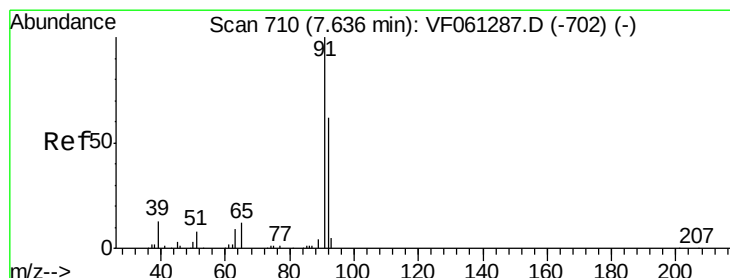
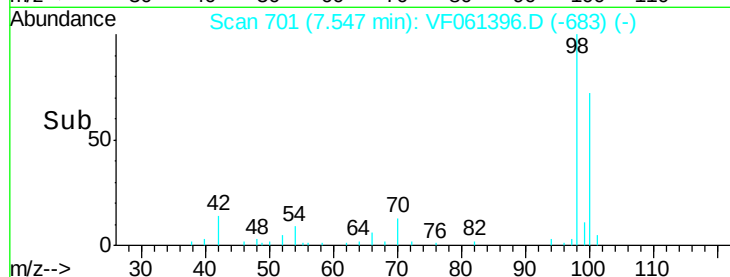
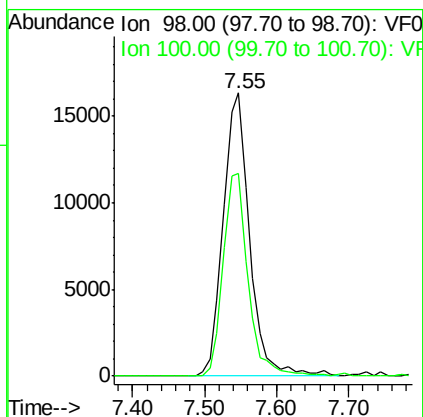
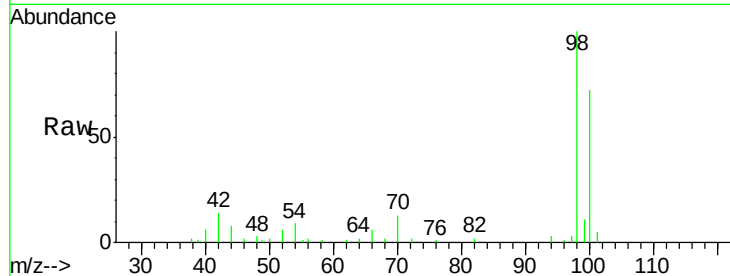




#50
Toluene-d8
Concen: 38.898 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061396.D
Acq: 14 Jan 2019 18:30

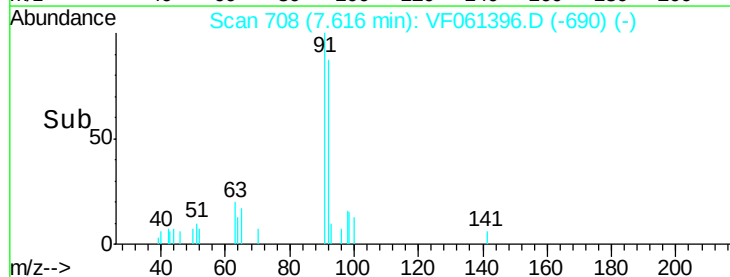
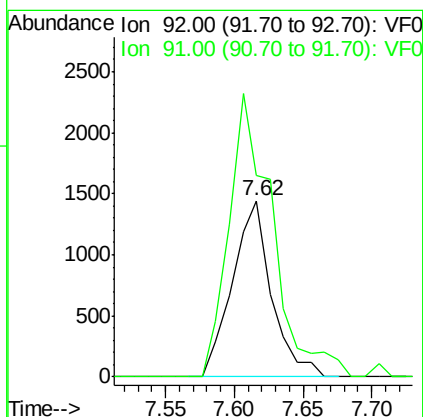
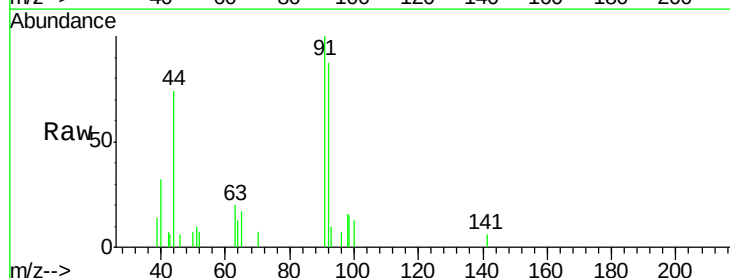
Instrument :
MSVOA_F
ClientSampled :
S-4

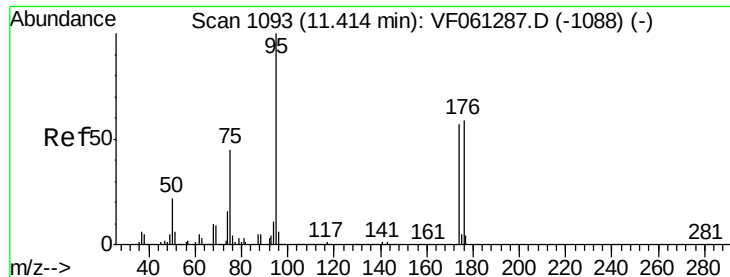
Tot Ion: 98 Resp: 41468
Ion Ratio Lower Upper
98 100
100 71.6 55.6 83.4



#52
Toluene
Concen: 3.462 ug/l
RT: 7.62 min Scan# 708
Delta R.T. -0.02 min
Lab File: VF061396.D
Acq: 14 Jan 2019 18:30

Tgt Ion: 92 Resp: 2856
Ion Ratio Lower Upper
92 100
91 114.3 129.2 193.8#





#62

4-Bromofluorobenzene

Concen: 14.513 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061396.D

Acq: 14 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

S-4

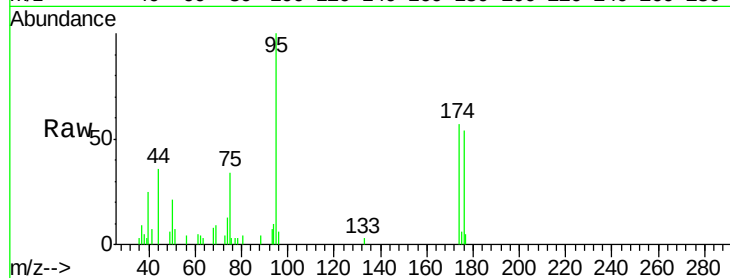
Tot Ion: 95 Resp: 6756

Ion Ratio Lower Upper

95 100

174 56.6 0.0 114.2

176 54.3 0.0 117.8

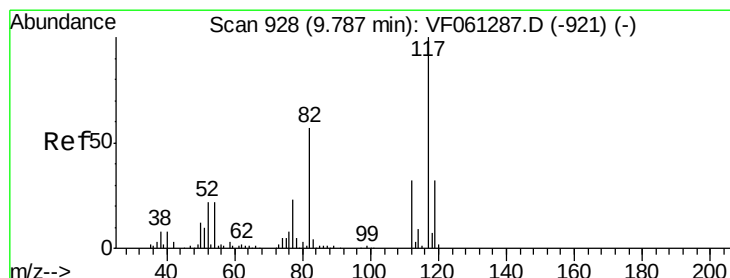
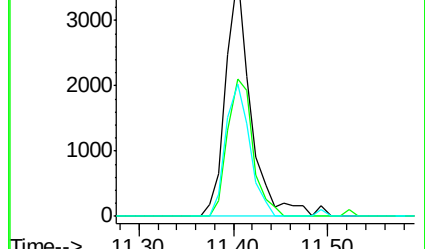
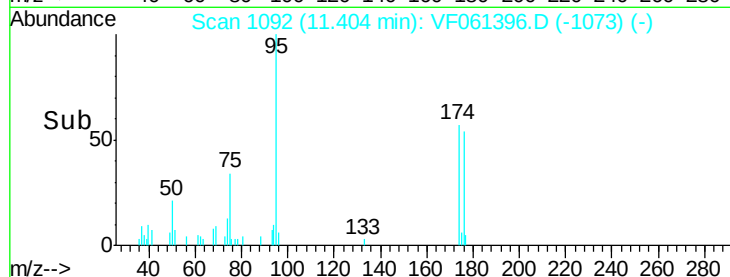


Abundance Ion 95.00 (94.70 to 95.70): VF061287.D (-1088) (-)

Ion 174.00 (173.70 to 174.70): VF061287.D (-1088) (-)

Ion 176.00 (175.70 to 176.70): VF061287.D (-1088) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061396.D

Acq: 14 Jan 2019 18:30

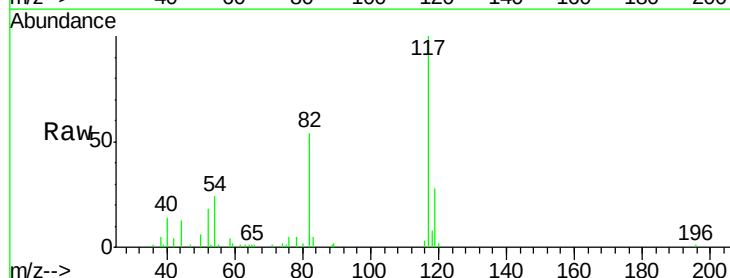
Tgt Ion: 117 Resp: 24573

Ion Ratio Lower Upper

117 100

82 53.8 45.3 67.9

119 27.9 25.4 38.0

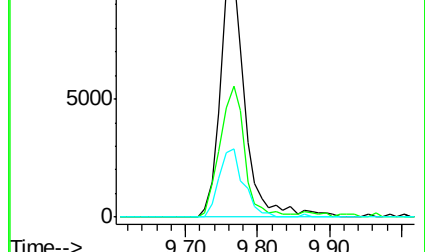
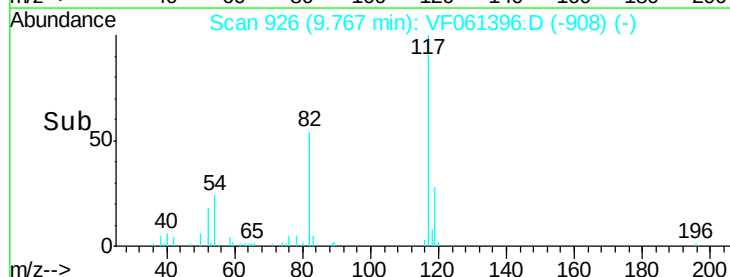


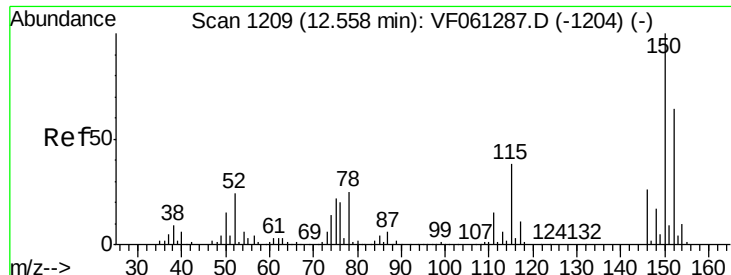
Abundance Ion 117.00 (116.70 to 117.70): VF061287.D (-921) (-)

Ion 82.00 (81.70 to 82.70): VF061287.D (-921) (-)

Ion 119.00 (118.70 to 119.70): VF061287.D (-921) (-)

Time-->





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061396.D
 Acq: 14 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 S-4

Tot Ion:152 Resp: 3763
 Ion Ratio Lower Upper
 152 100
 115 51.0 29.6 88.9
 150 141.4 0.0 315.4

