

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061737.D
 Acq On : 25 Feb 2019 18:31
 Operator : VA/AP
 Sample : K1610-07
 Misc : 5.44g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WV-D

Quant Time: Feb 26 04:52:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

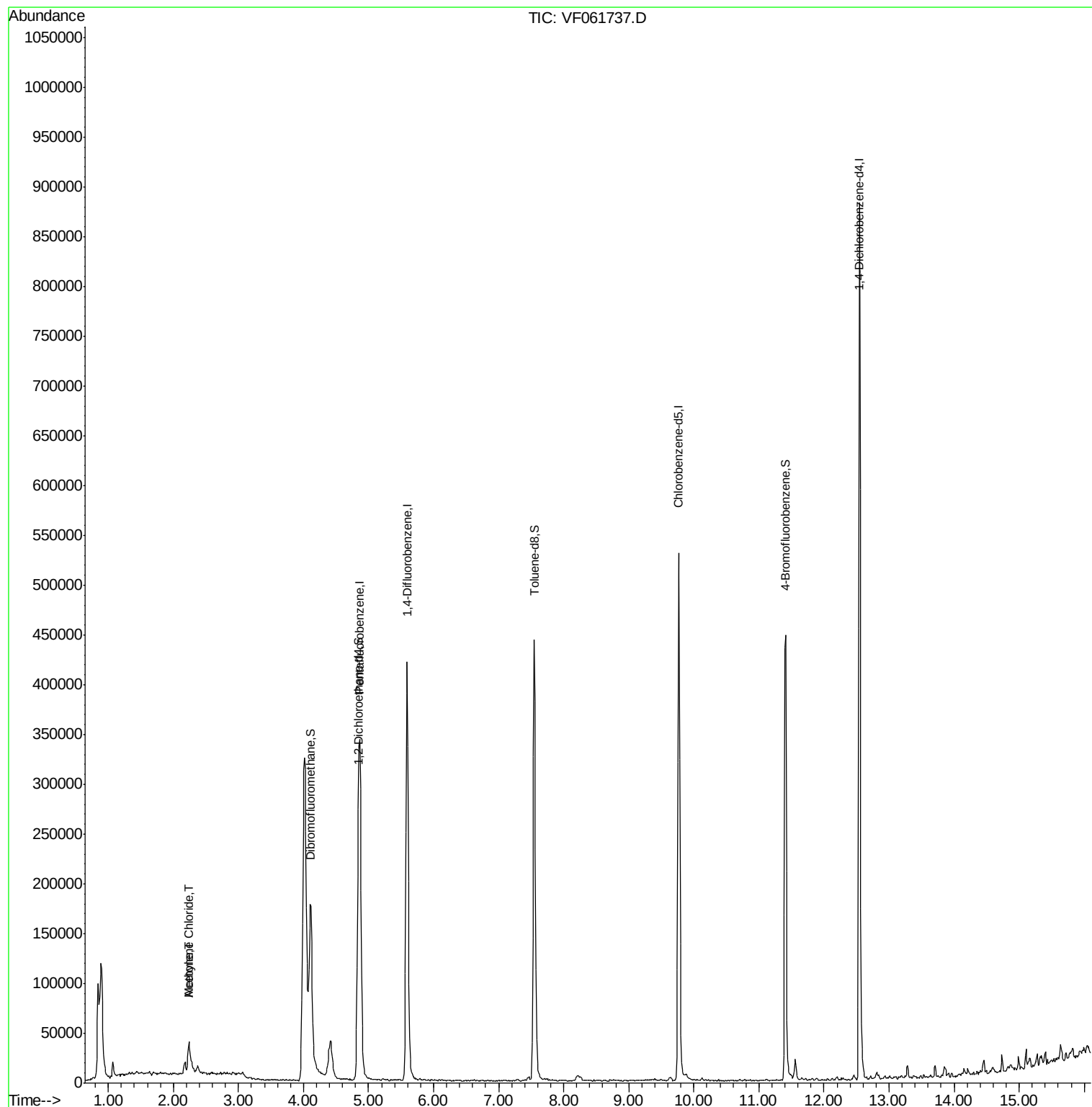
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	336762	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	534000	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	445556	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	253344	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112255	45.46	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.92%	
35) Dibromofluoromethane	4.10	113	153521	38.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	77.42%	
50) Toluene-d8	7.55	98	397733	34.89	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	69.78%	
62) 4-Bromofluorobenzene	11.40	95	181036	39.25	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	78.50%	
Target Compounds						
16) Acetone	2.24	43	22444	42.359	ug/l #	87
20) Methylene Chloride	2.24	84	20763m	5.047	ug/l	

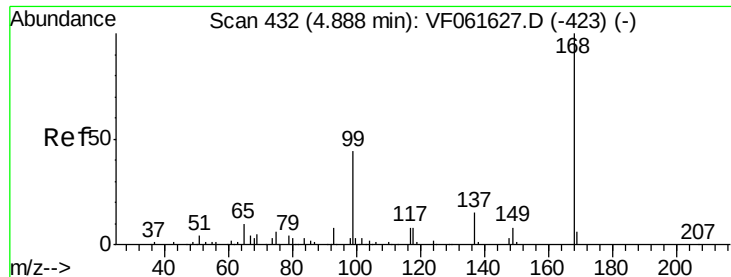
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061737.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_F

ClientSampleId :

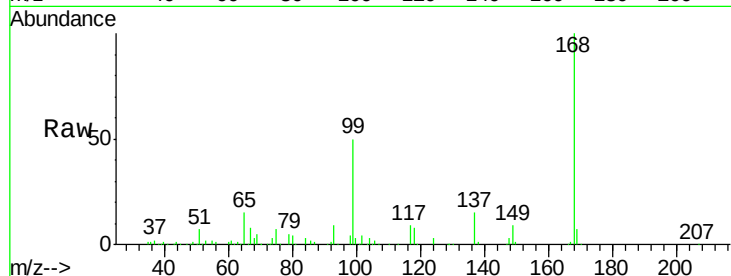
WV-D

Tot Ion:168 Resp: 336762

Ion Ratio Lower Upper

168 100

99 49.5 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

120000

100000

80000

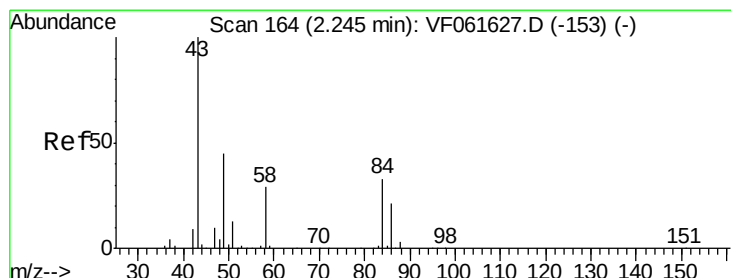
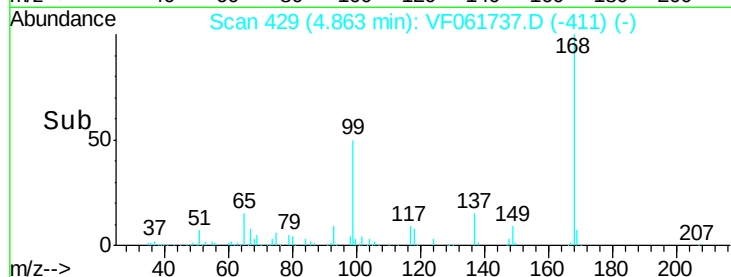
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 42.359 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061737.D

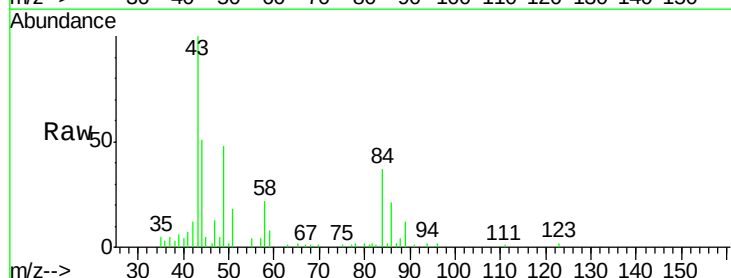
Acq: 25 Feb 2019 18:31

Tgt Ion: 43 Resp: 22444

Ion Ratio Lower Upper

43 100

58 21.6 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

10000

8000

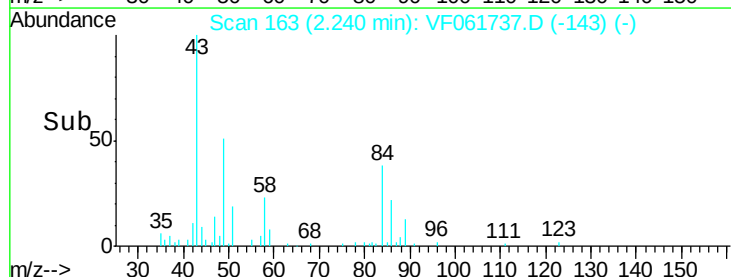
6000

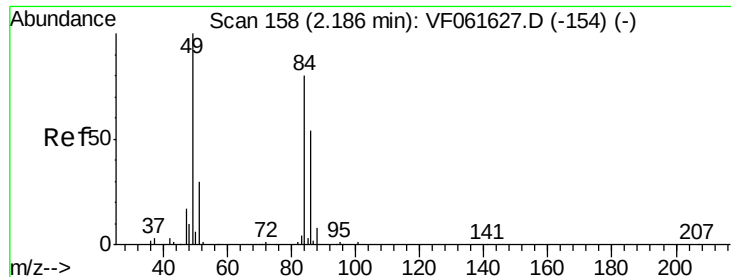
4000

2000

0

Time-->

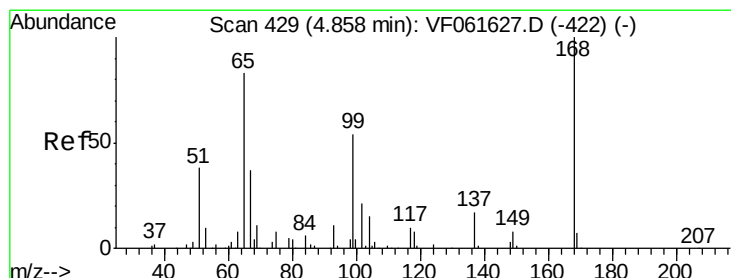
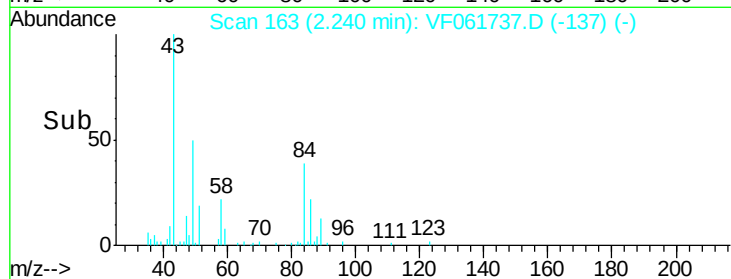
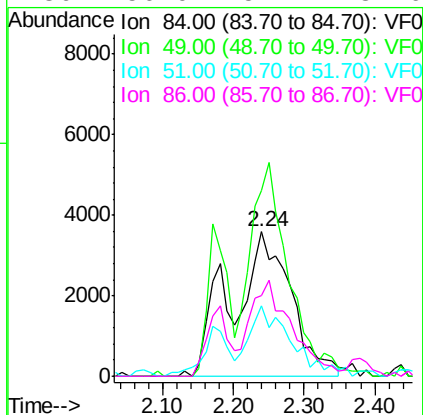
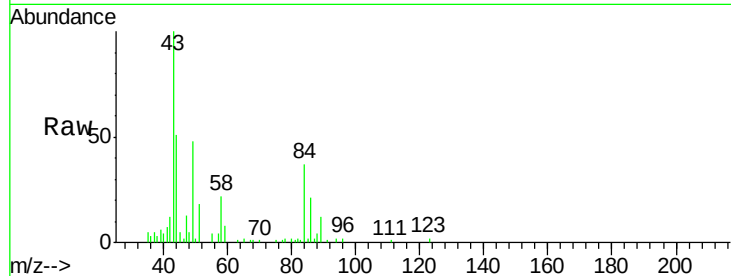




#20
Methylene Chloride
Concen: 5.047 ug/l m
RT: 2.24 min Scan# 163
Delta R.T. 0.05 min
Lab File: VF061737.D
Acq: 25 Feb 2019 18:31

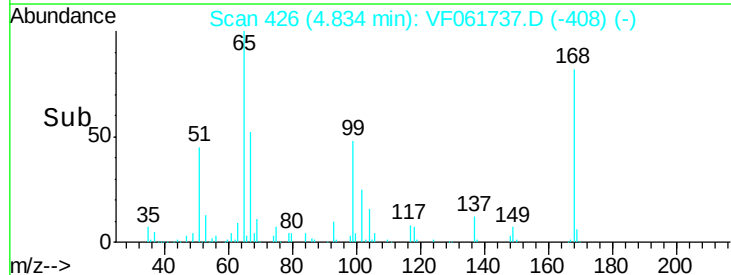
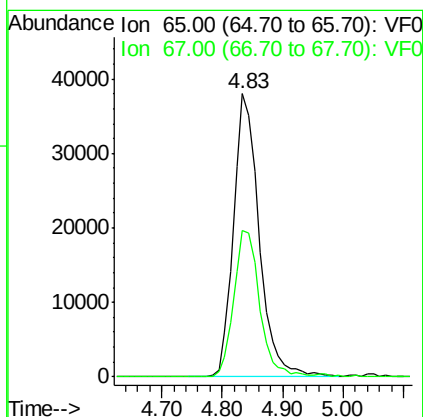
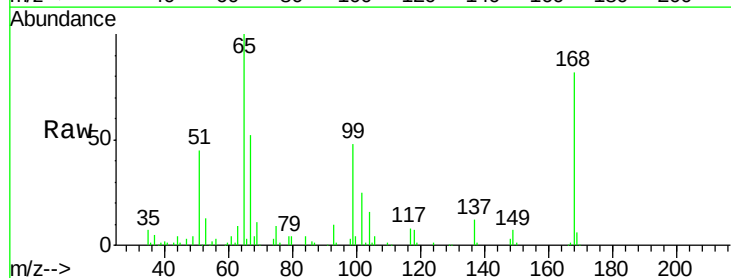
Instrument :
MSVOA_F
ClientSampleId :
WV-D

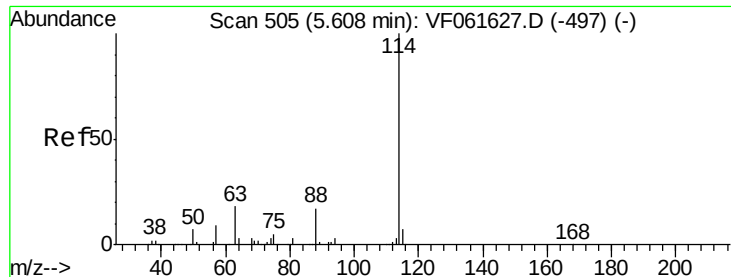
Tot Ion: 84 Resp: 20763
Ion Ratio Lower Upper
84 100
49 129.0 101.8 152.8
51 48.9 31.1 46.7#
86 56.0 54.4 81.6



#33
1,2-Dichloroethane-d4
Concen: 45.456 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061737.D
Acq: 25 Feb 2019 18:31

Tgt Ion: 65 Resp: 112255
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061737.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_F

ClientSampleId :

WV-D

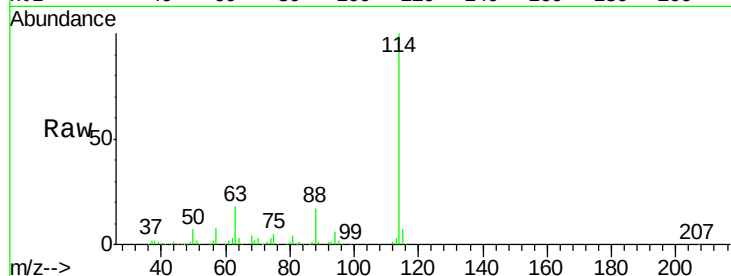
Tot Ion:114 Resp: 534000

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

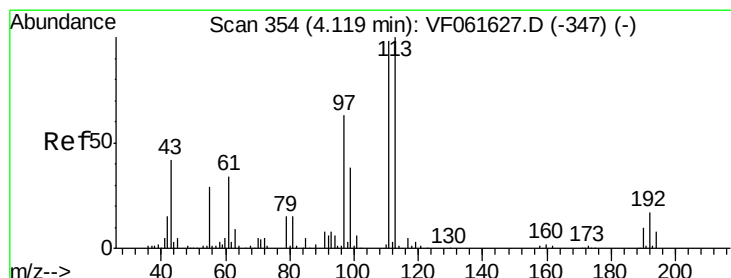
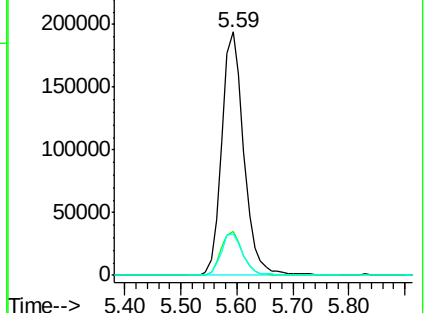
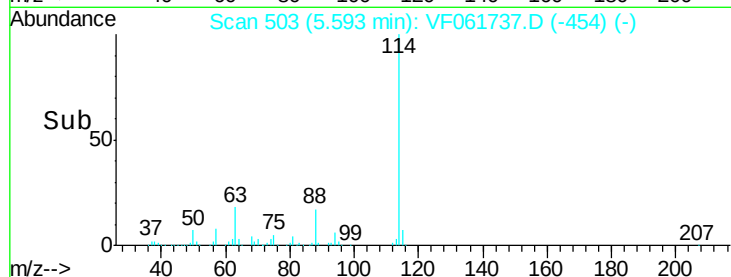
88 16.8 0.0 34.4



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: 38.714 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061737.D

Acq: 25 Feb 2019 18:31

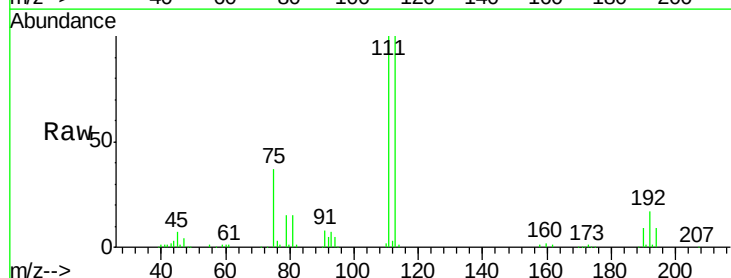
Tgt Ion:113 Resp: 153521

Ion Ratio Lower Upper

113 100

111 100.3 78.8 118.2

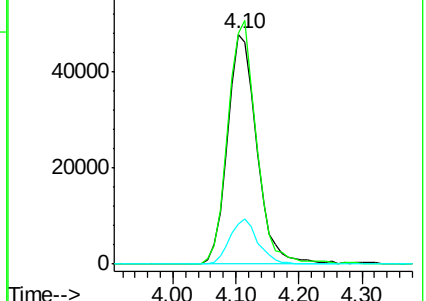
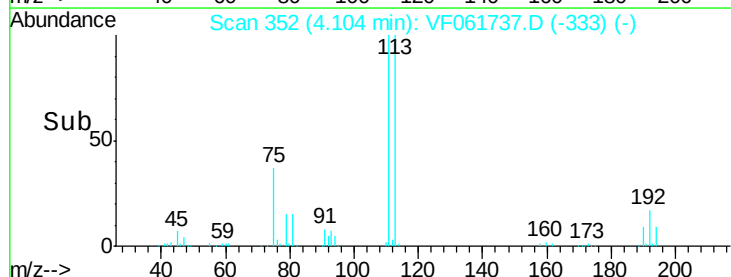
192 17.5 13.4 20.0

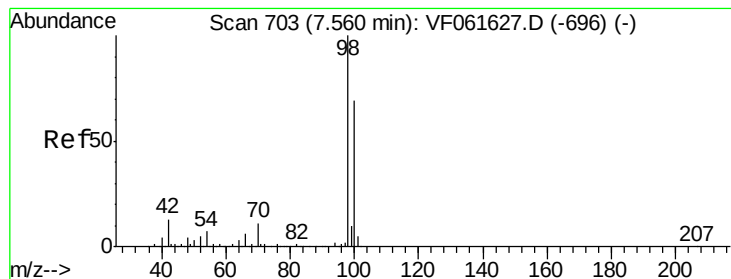


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 34.890 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061737.D

Acq: 25 Feb 2019 18:31

Instrument :

MSVOA_F

ClientSampleId :

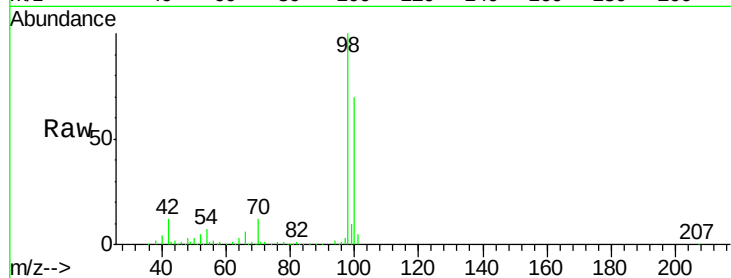
WV-D

Tot Ion: 98 Resp: 397733

Ion Ratio Lower Upper

98 100

100 70.2 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.55

150000

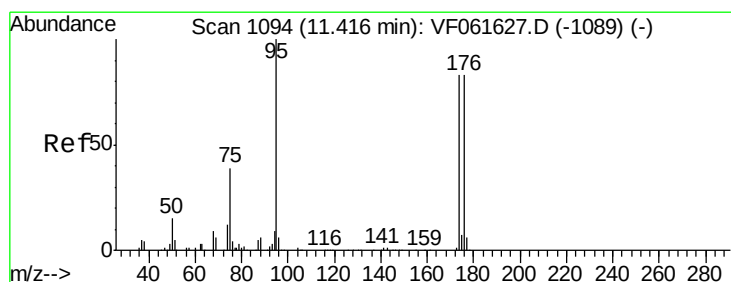
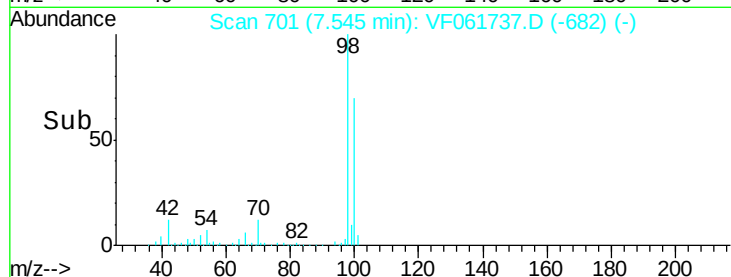
100000

50000

0

Time-->

7.40 7.50 7.60 7.70



#62

4-Bromofluorobenzene

Concen: 39.249 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061737.D

Acq: 25 Feb 2019 18:31

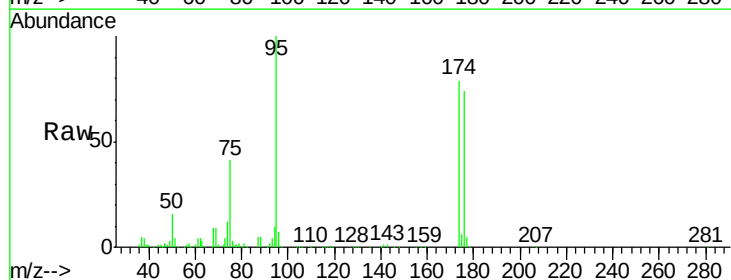
Tgt Ion: 95 Resp: 181036

Ion Ratio Lower Upper

95 100

174 78.8 0.0 165.8

176 73.6 0.0 167.0



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

11.40

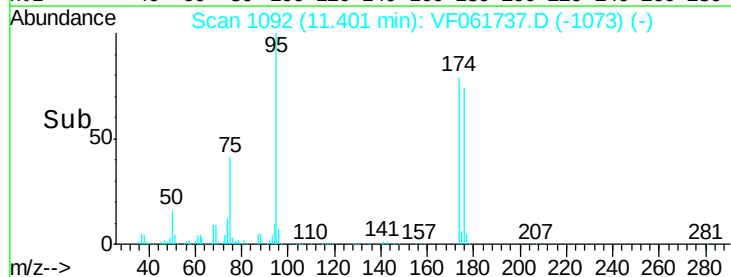
100000

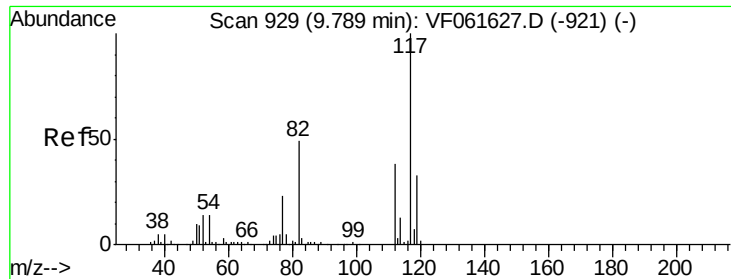
50000

0

Time-->

11.30 11.40 11.50 11.60

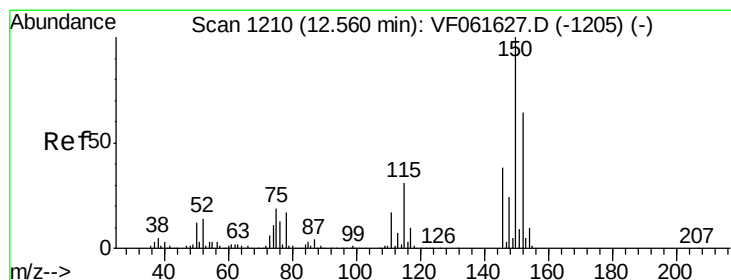
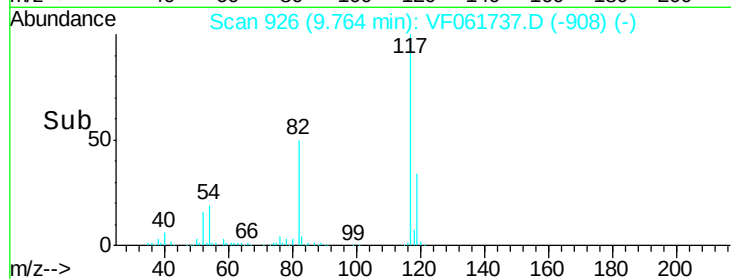
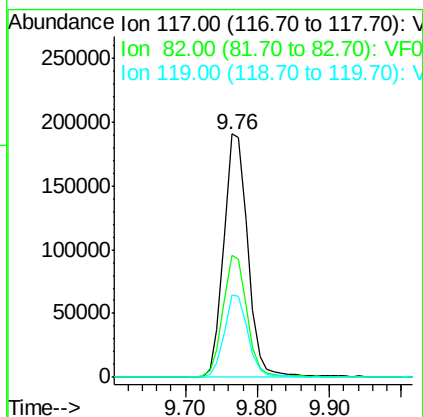
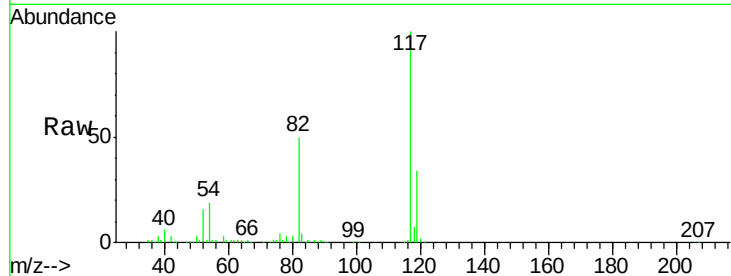




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061737.D
Acq: 25 Feb 2019 18:31

Instrument :
MSVOA_F
ClientSampled :
WV-D

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	39.3	58.9
119	33.6	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061737.D
Acq: 25 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.6	24.3	72.8
150	150.9	0.0	312.0

