

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061738.D
 Acq On : 25 Feb 2019 19:00
 Operator : VA/AP
 Sample : K1610-09
 Misc : 6.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WV-E

Quant Time: Feb 26 04:53:10 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

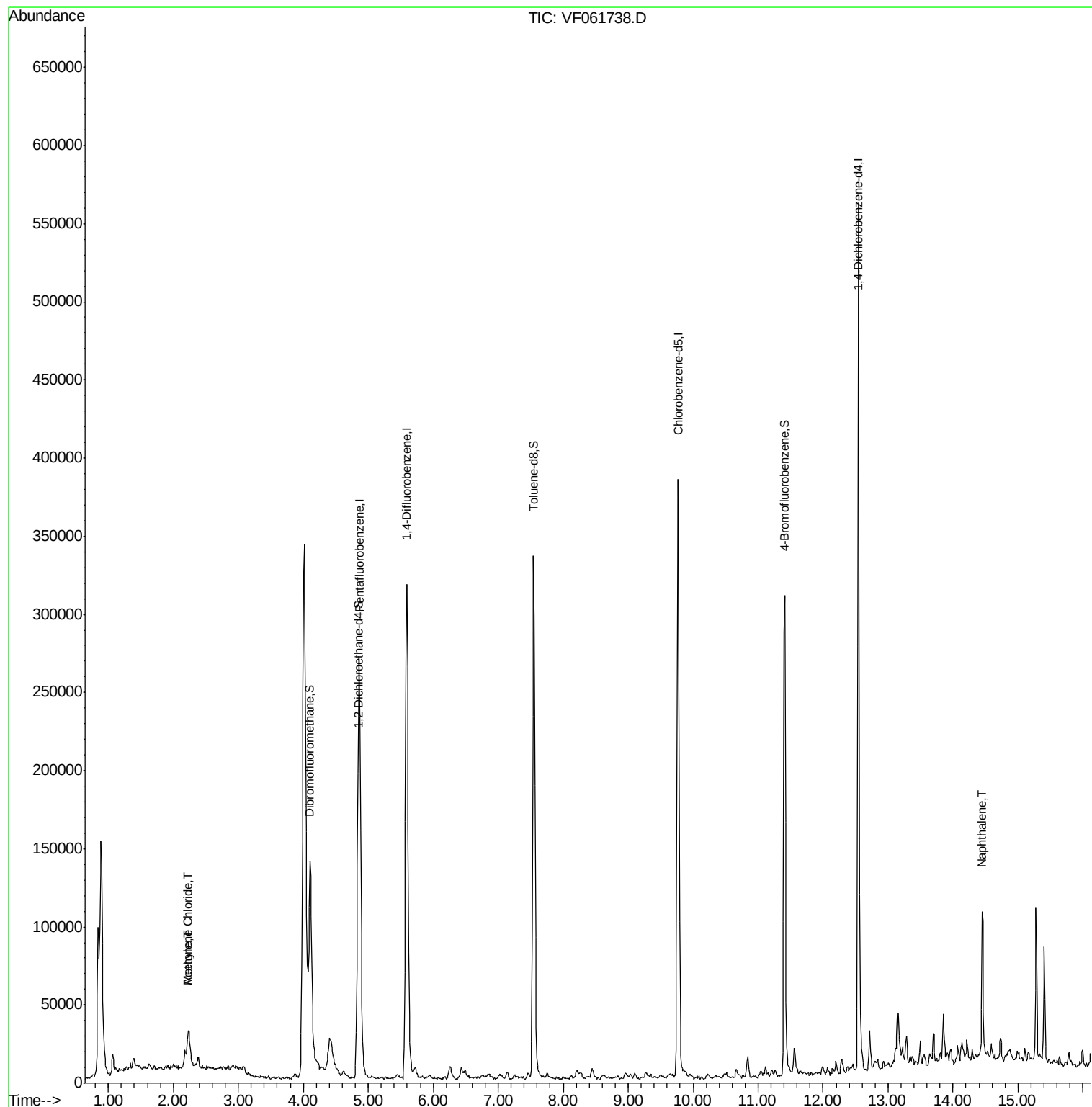
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	258272	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	391447	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	318938	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	159136	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	82179	43.39	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.78%	
35) Dibromofluoromethane	4.10	113	110844	38.13	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	76.26%	
50) Toluene-d8	7.54	98	299007	35.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	71.56%	
62) 4-Bromofluorobenzene	11.41	95	122474	36.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.44%	
Target Compounds						
16) Acetone	2.24	43	18600	45.773	ug/l #	81
20) Methylene Chloride	2.22	84	15841m	5.007	ug/l	
95) Naphthalene	14.45	128	73584	11.305	ug/l	99

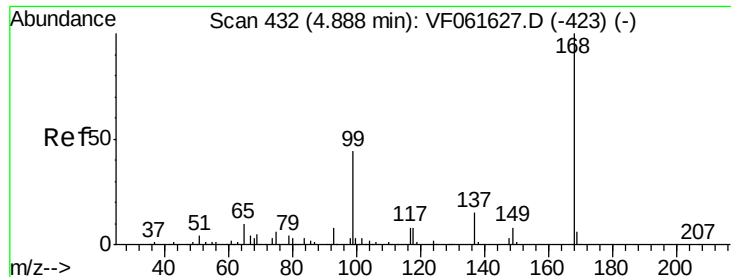
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

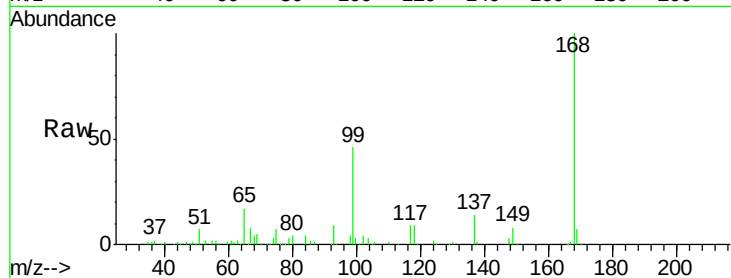
WV-E

Tot Ion:168 Resp: 258272

Ion Ratio Lower Upper

168 100

99 45.9 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

80000

60000

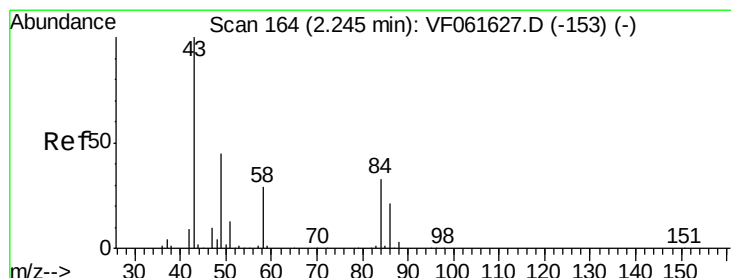
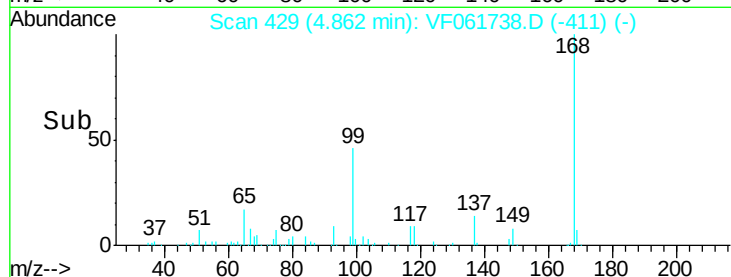
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 45.773 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061738.D

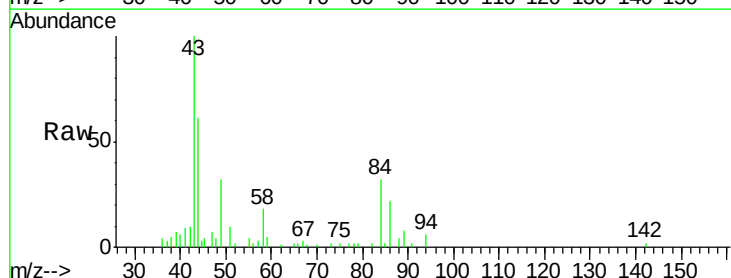
Acq: 25 Feb 2019 19:00

Tgt Ion: 43 Resp: 18600

Ion Ratio Lower Upper

43 100

58 18.3 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

8000

6000

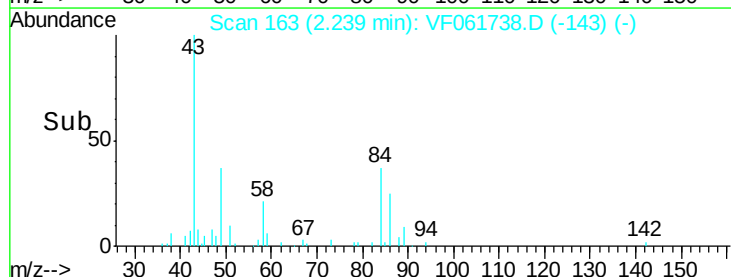
4000

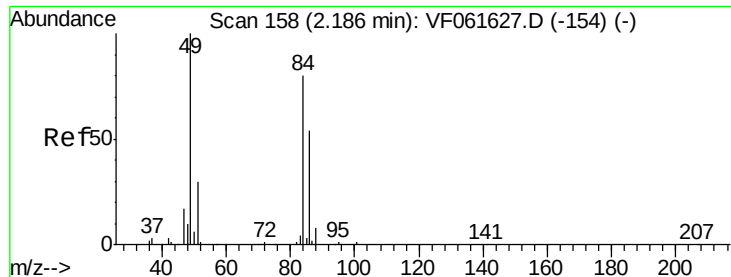
2000

0

2.15 2.20 2.25 2.30 2.35

Time-->

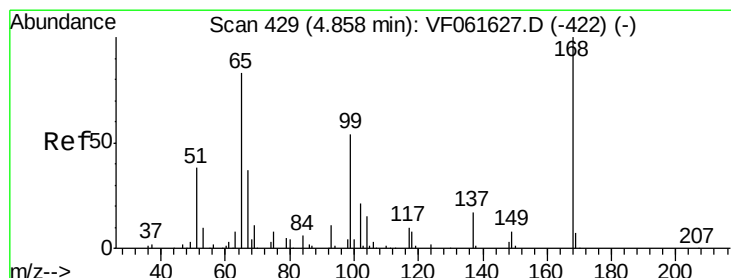
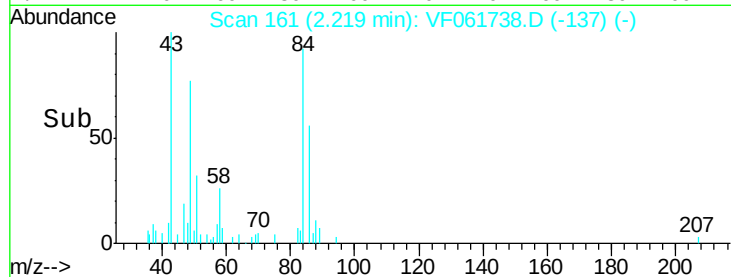
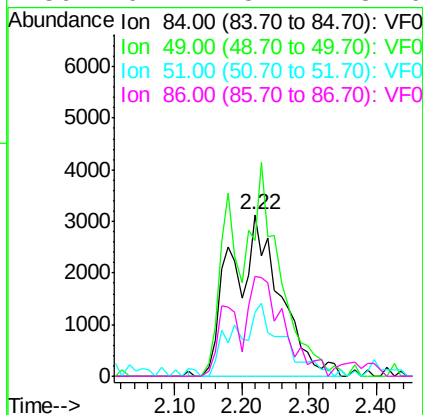
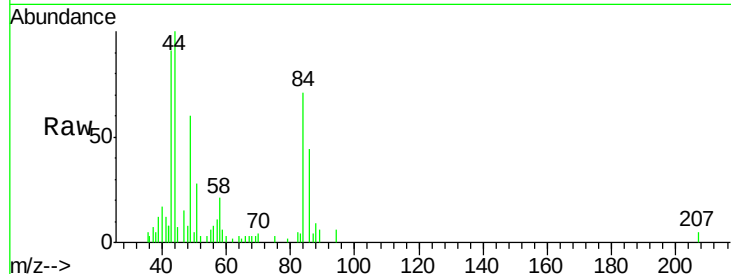




#20
Methylene Chloride
Concen: 5.007 ug/l m
RT: 2.22 min Scan# 161
Delta R.T. 0.03 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

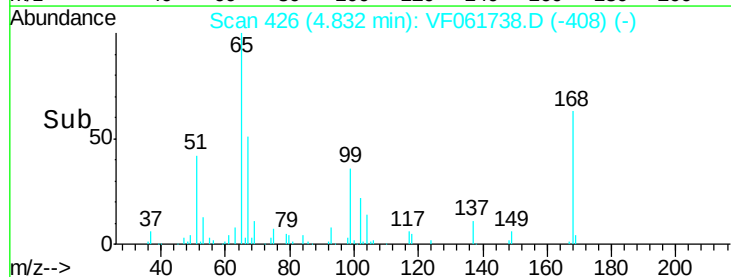
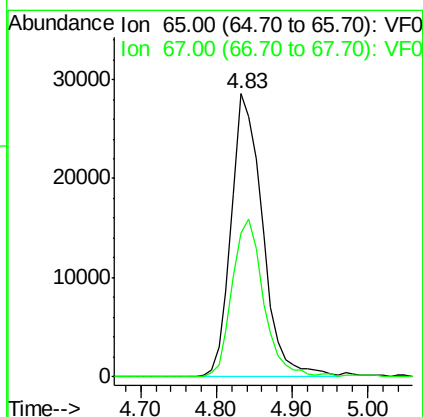
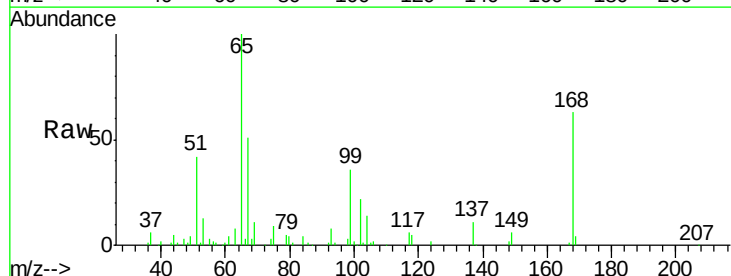
Instrument :
MSVOA_F
ClientSampleId :
WV-E

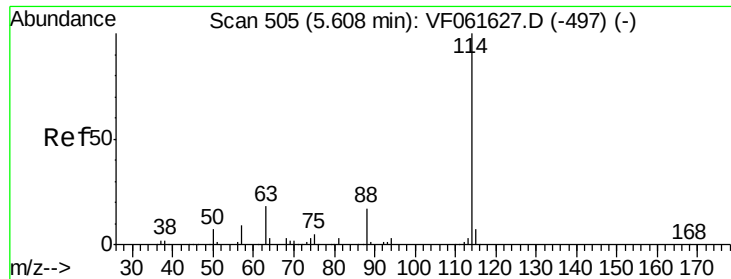
Tot Ion: 84 Resp: 15841
Ion Ratio Lower Upper
84 100
49 83.7 101.8 152.8#
51 39.9 31.1 46.7
86 61.4 54.4 81.6



#33
1,2-Dichloroethane-d4
Concen: 43.390 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Tgt Ion: 65 Resp: 82179
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

WV-E

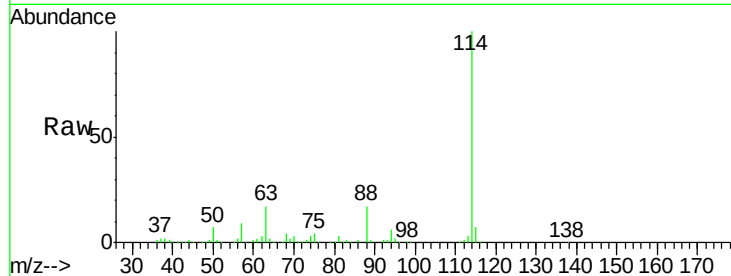
Tot Ion:114 Resp: 391447

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.6

88 16.8 0.0 34.4



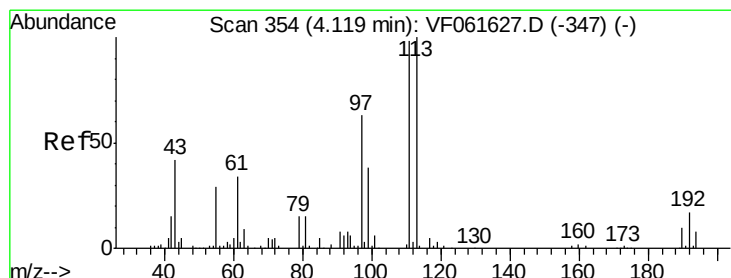
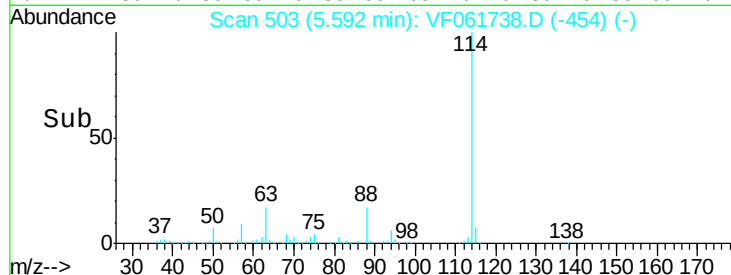
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.59

Time-->



#35

Dibromofluoromethane

Concen: 38.131 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

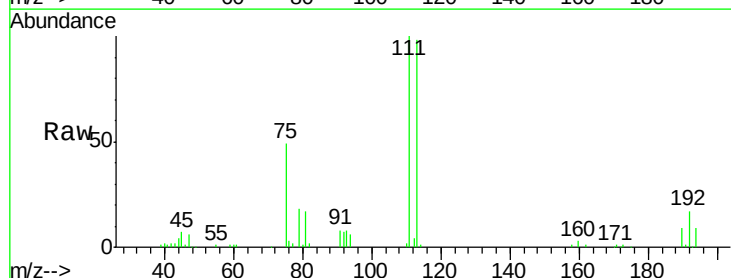
Tgt Ion:113 Resp: 110844

Ion Ratio Lower Upper

113 100

111 101.8 78.8 118.2

192 17.8 13.4 20.0



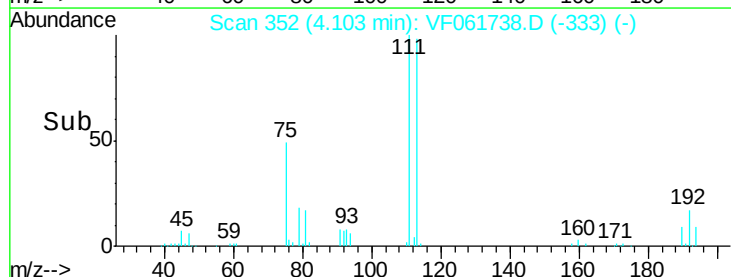
Abundance Ion 113.00 (112.70 to 113.70): V

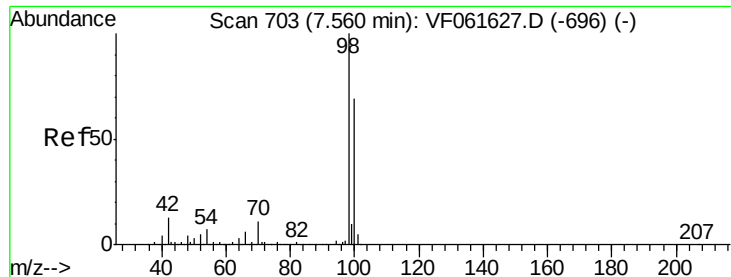
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.10

Time-->





#50

Toluene-d8

Concen: 35.781 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

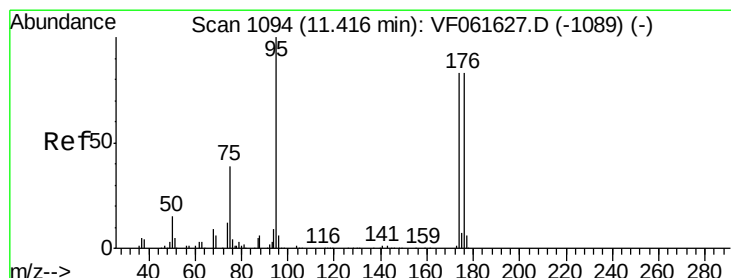
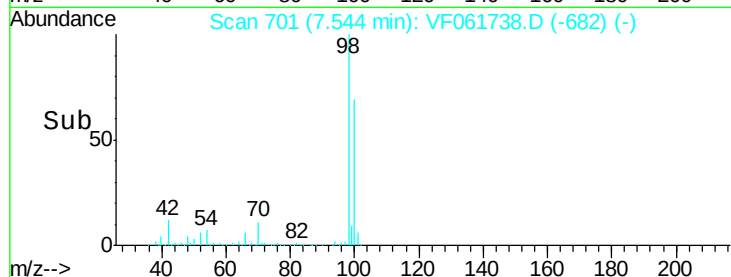
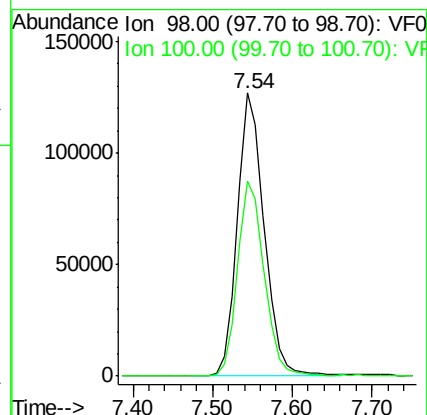
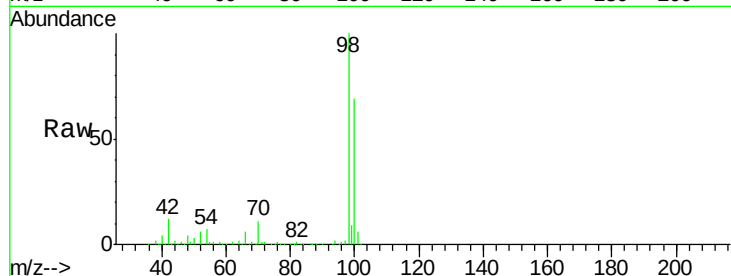
WV-E

Tot Ion: 98 Resp: 299007

Ion Ratio Lower Upper

98 100

100 68.9 55.4 83.2



#62

4-Bromofluorobenzene

Concen: 36.222 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061738.D

Acq: 25 Feb 2019 19:00

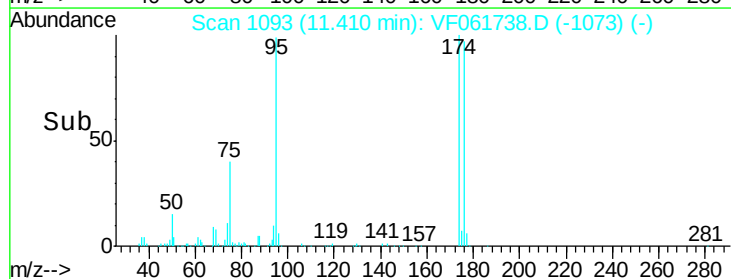
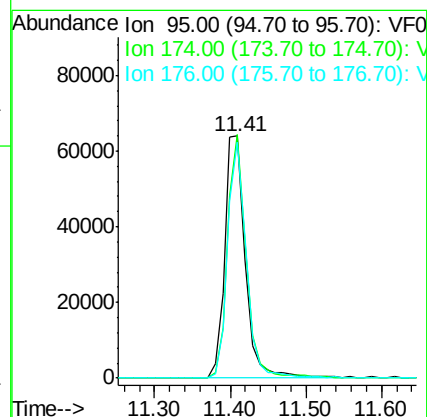
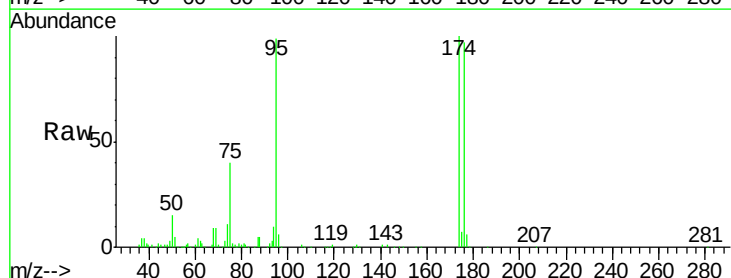
Tgt Ion: 95 Resp: 122474

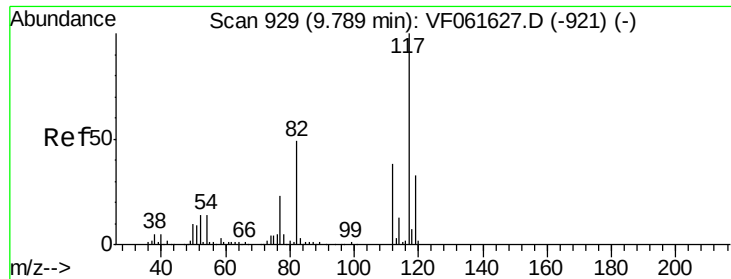
Ion Ratio Lower Upper

95 100

174 100.7 0.0 165.8

176 97.3 0.0 167.0

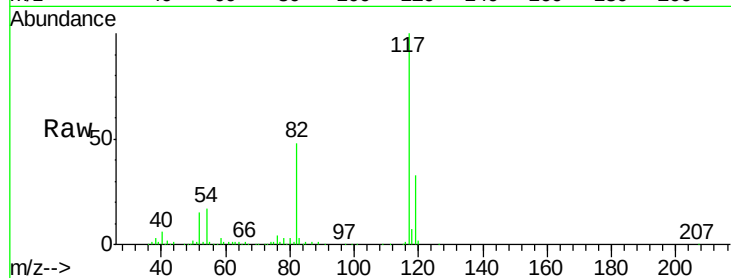




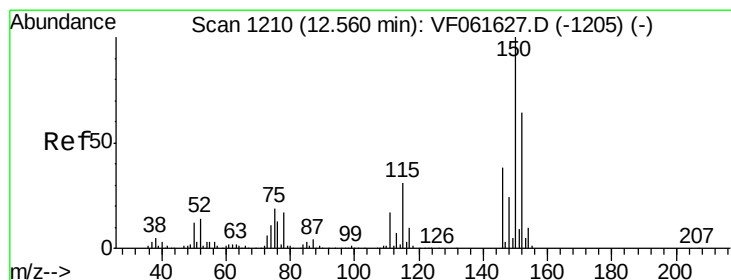
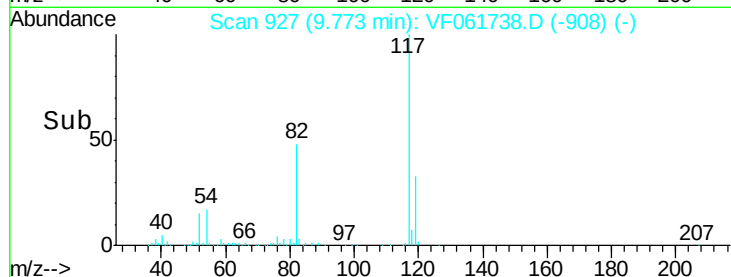
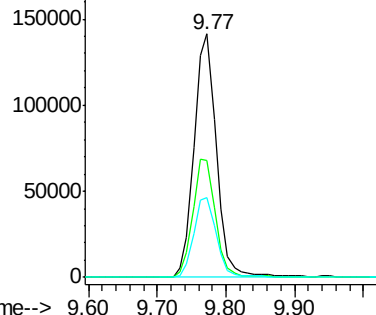
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Instrument :
MSVOA_F
ClientSampleId :
WV-E

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.8	39.3	58.9
119	32.6	26.6	40.0

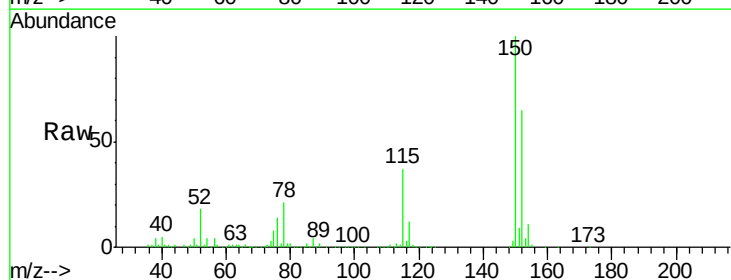


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

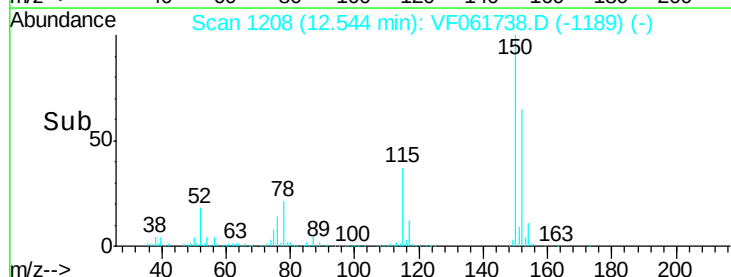
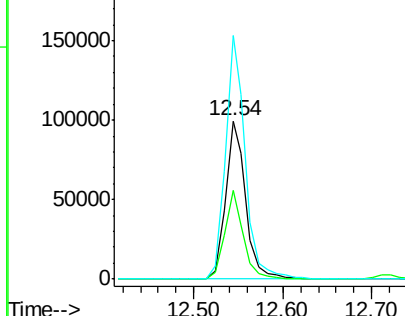


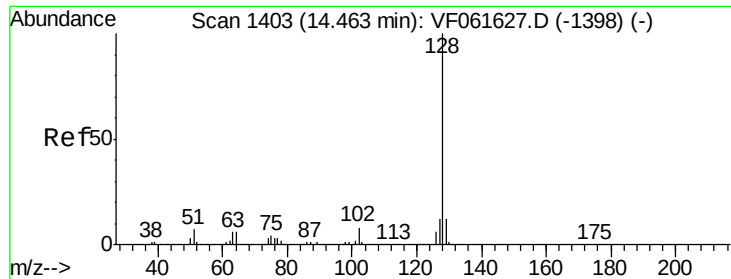
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	24.3	72.8
150	153.8	0.0	312.0



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





#95
Naphthalene
Concen: 11.305 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061738.D
Acq: 25 Feb 2019 19:00

Instrument :
MSVOA_F
ClientSampleId :
WV-E

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.8	14.6
129	11.3	9.4	14.2

