

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062929.D
 Acq On : 12 Jun 2019 15:58
 Operator : FY/SY
 Sample : K3294-02
 Misc : 5.44g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S1(5-10)

Quant Time: Jun 13 08:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

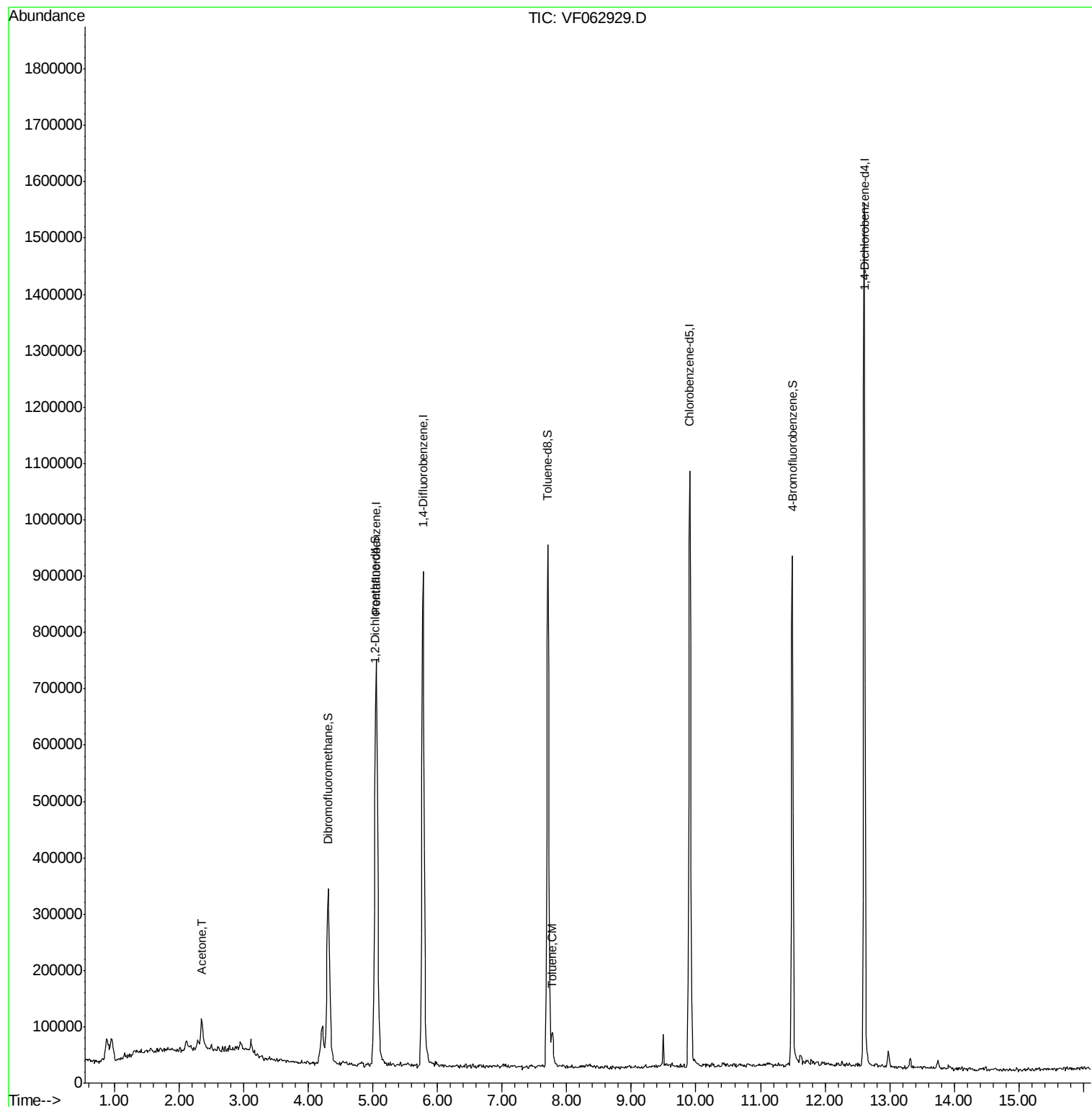
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	645823	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1113669	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	830649	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	398398	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	232784	52.12	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.24%	
35) Dibromofluoromethane	4.31	113	322162	38.28	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	76.56%	
50) Toluene-d8	7.71	98	810800	38.10	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	76.20%	
62) 4-Bromofluorobenzene	11.49	95	336519	43.96	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.92%	
Target Compounds						
16) Acetone	2.36	43	92936	90.922	ug/l	96
52) Toluene	7.78	92	31096	1.935	ug/l	95

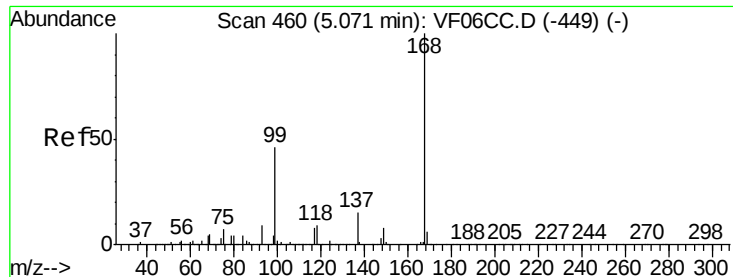
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062929.D

Acq: 12 Jun 2019 15:58

Instrument :

MSVOA_F

ClientSampleId :

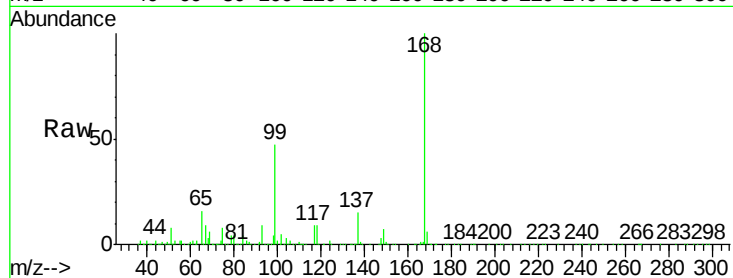
S1(5-10)

Tot Ion:168 Resp: 645823

Ion Ratio Lower Upper

168 100

99 46.9 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

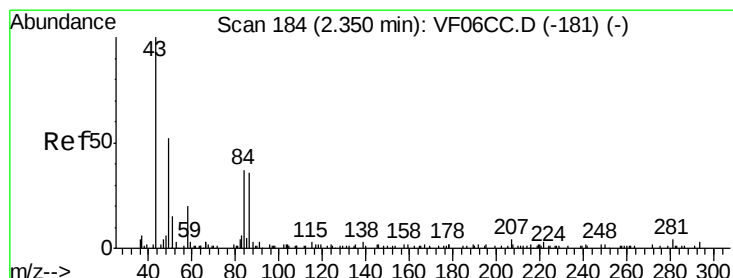
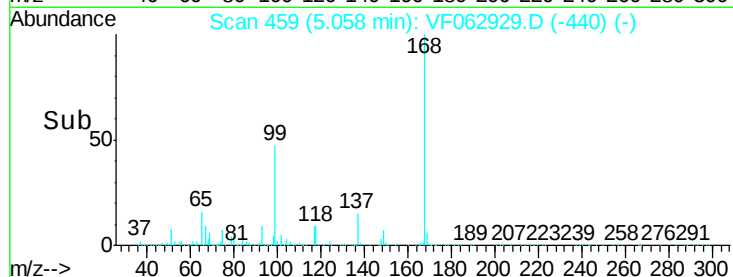
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 90.922 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062929.D

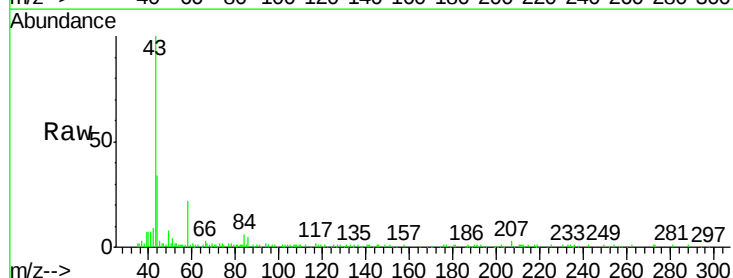
Acq: 12 Jun 2019 15:58

Tgt Ion: 43 Resp: 92936

Ion Ratio Lower Upper

43 100

58 21.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.36

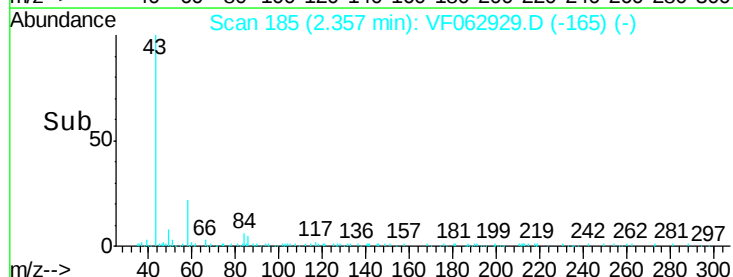
30000

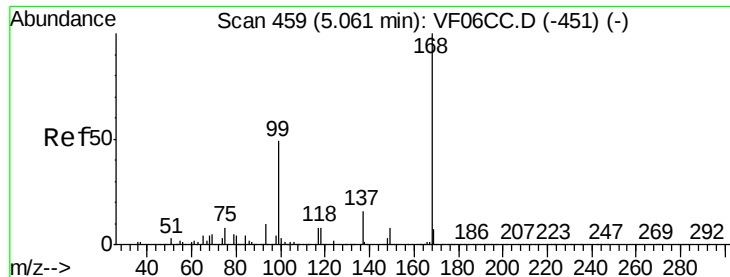
20000

10000

0

Time--> 2.30 2.40 2.50

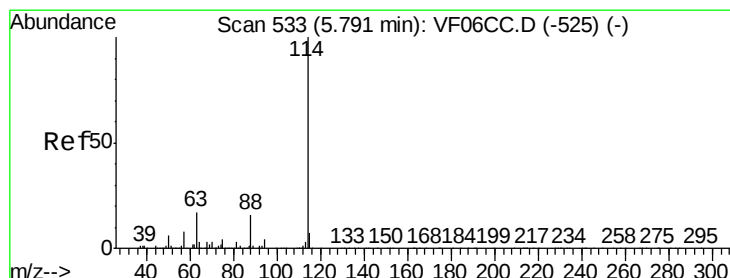
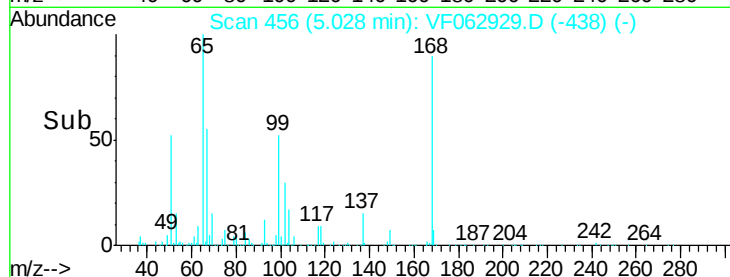
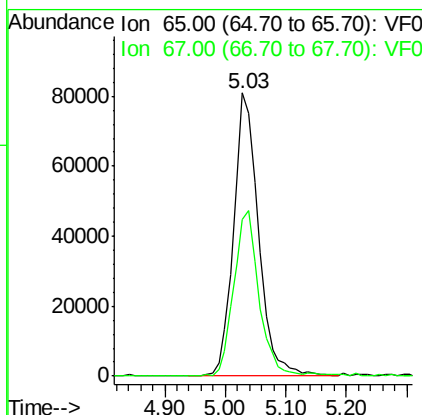
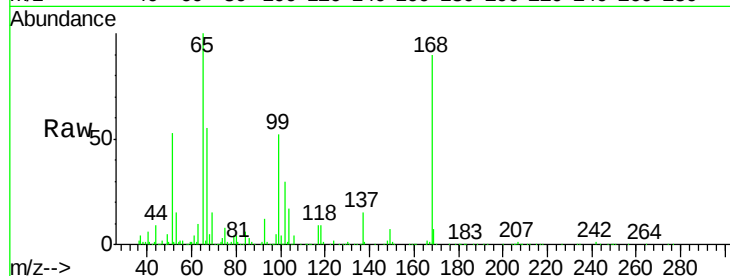




#33
 1,2-Dichloroethane-d4
 Concen: 52.125 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.03 min
 Lab File: VF062929.D
 Acq: 12 Jun 2019 15:58

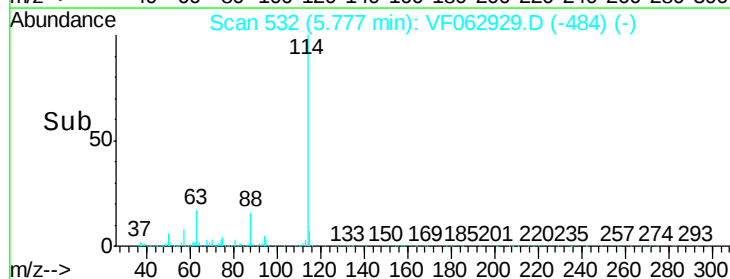
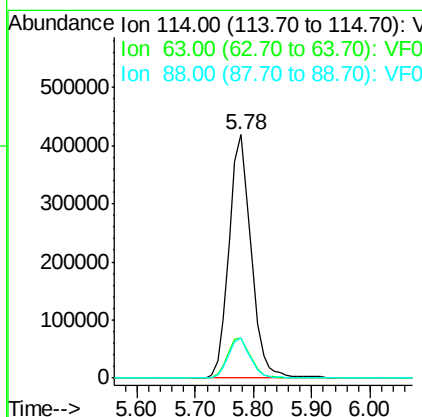
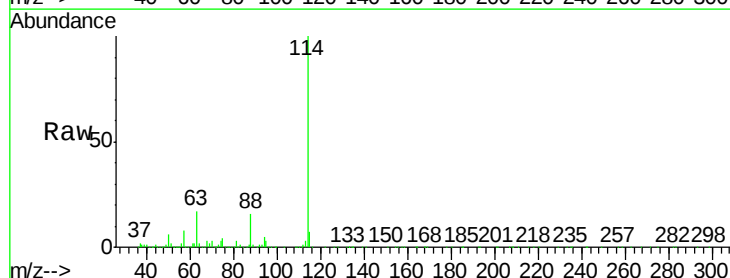
Instrument :
 MSVOA_F
 ClientSampleId :
 S1(5-10)

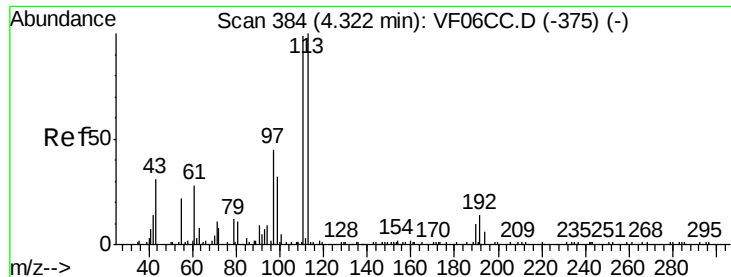
Tot Ion: 65 Resp: 232784
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VF062929.D
 Acq: 12 Jun 2019 15:58

Tgt Ion: 114 Resp: 1113669
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 34.2
 88 16.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 38.282 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.03 min

Lab File: VF062929.D

Acq: 12 Jun 2019 15:58

Instrument :

MSVOA_F

ClientSampleId :

S1(5-10)

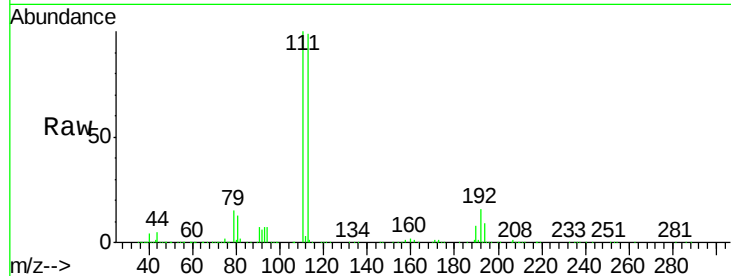
Tot Ion:113 Resp: 322162

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

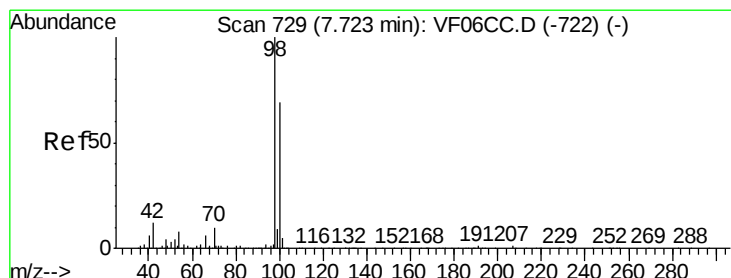
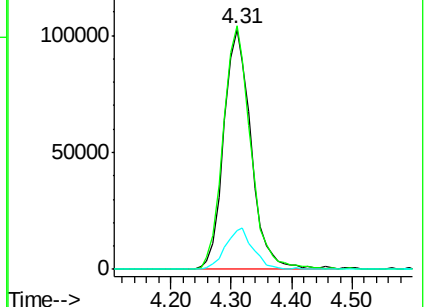
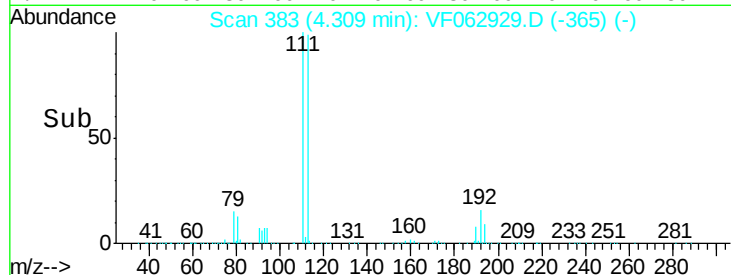
192 16.3 15.1 22.7



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: 38.100 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.03 min

Lab File: VF062929.D

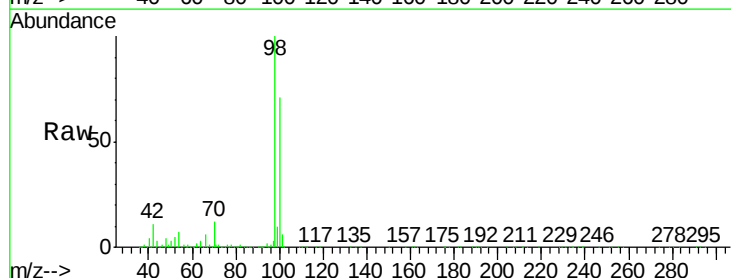
Acq: 12 Jun 2019 15:58

Tgt Ion: 98 Resp: 810800

Ion Ratio Lower Upper

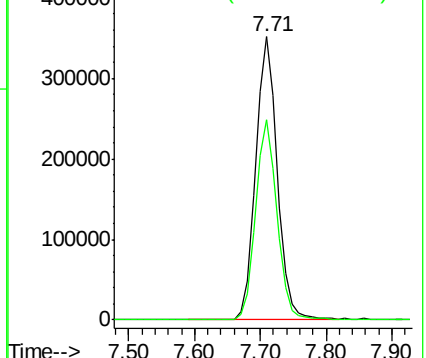
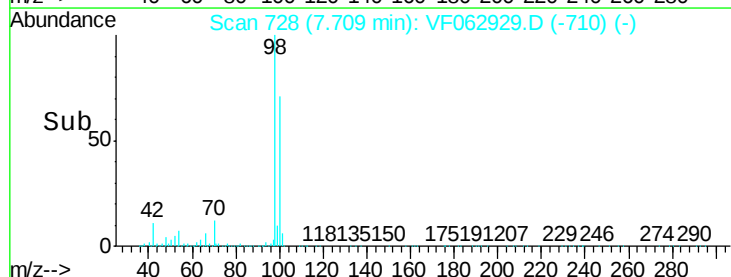
98 100

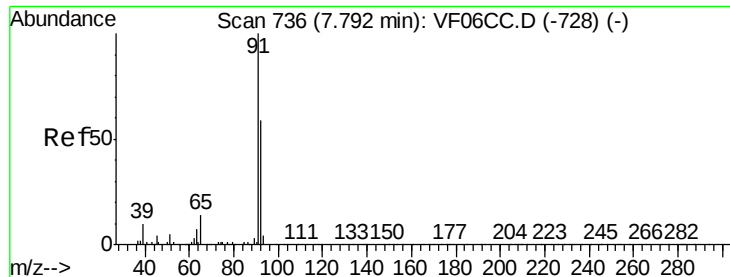
100 70.6 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 1.935 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.03 min

Lab File: VF062929.D

Acq: 12 Jun 2019 15:58

Instrument :

MSVOA_F

ClientSampleId :

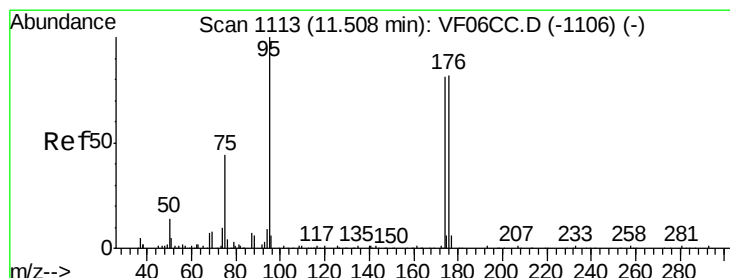
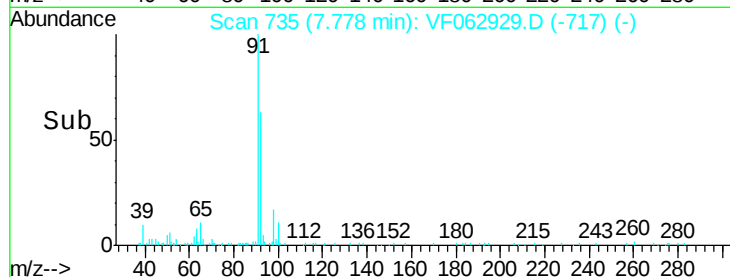
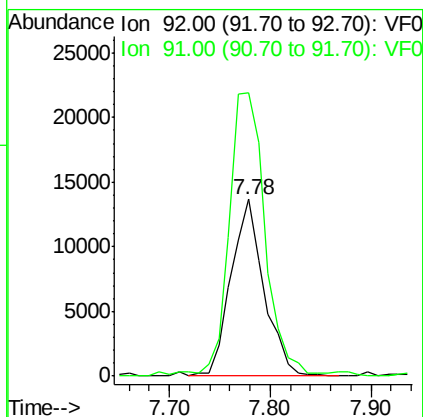
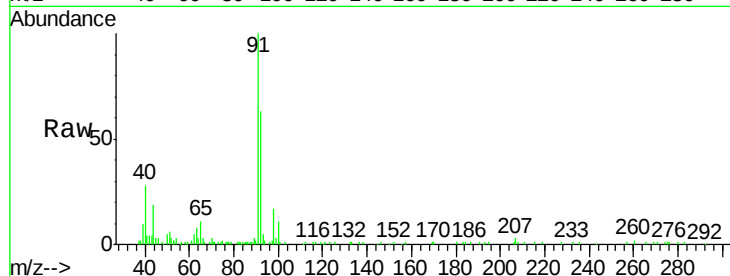
S1(5-10)

Tot Ion: 92 Resp: 31096

Ion Ratio Lower Upper

92 100

91 159.9 123.2 184.8



#62

4-Bromofluorobenzene

Concen: 43.961 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062929.D

Acq: 12 Jun 2019 15:58

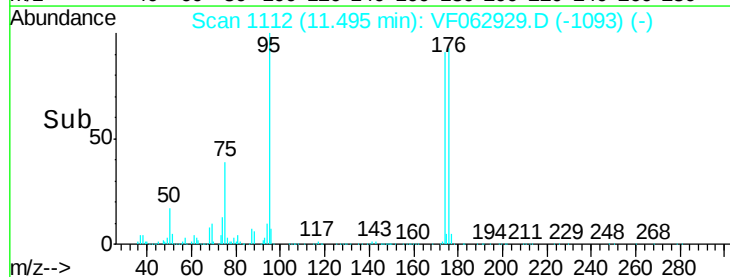
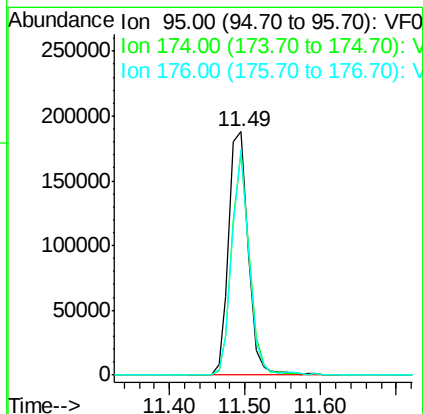
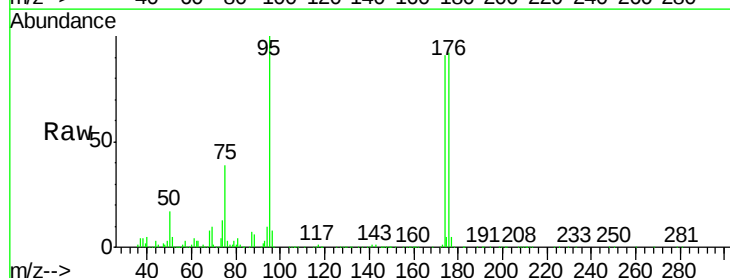
Tgt Ion: 95 Resp: 336519

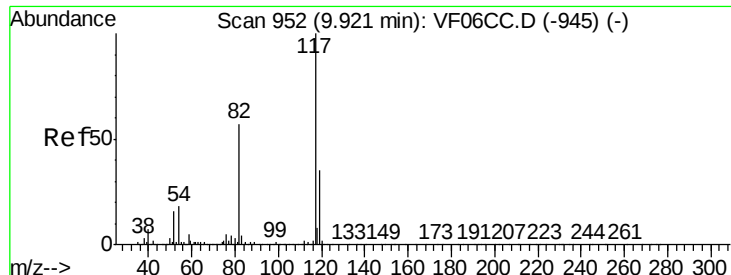
Ion Ratio Lower Upper

95 100

174 91.2 0.0 170.6

176 92.4 0.0 170.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF062929.D

Acq: 12 Jun 2019 15:58

Instrument :

MSVOA_F

ClientSampleId :

S1(5-10)

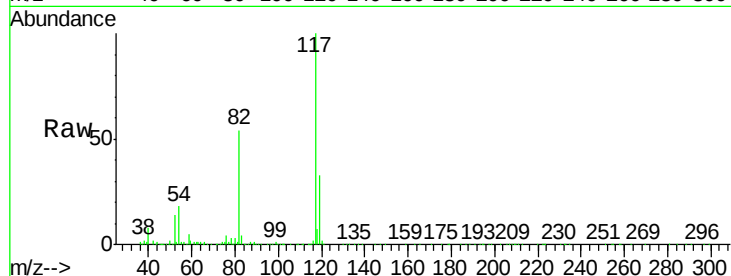
Tot Ion:117 Resp: 830649

Ion Ratio Lower Upper

117 100

82 54.4 42.4 63.6

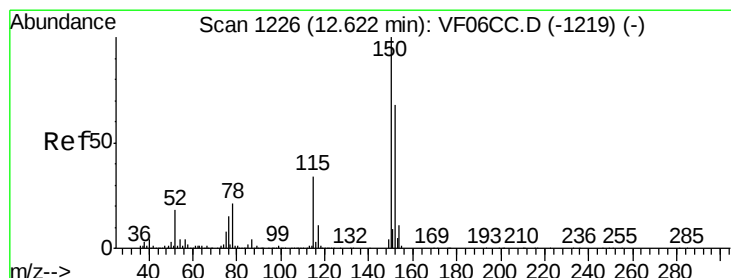
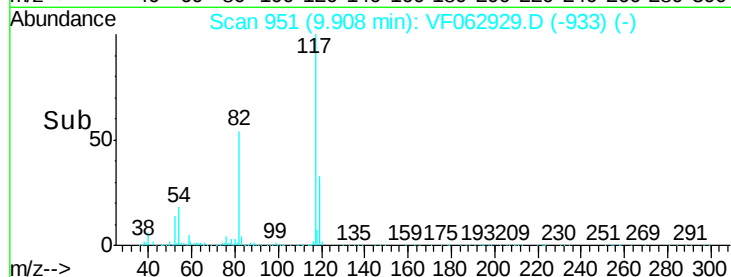
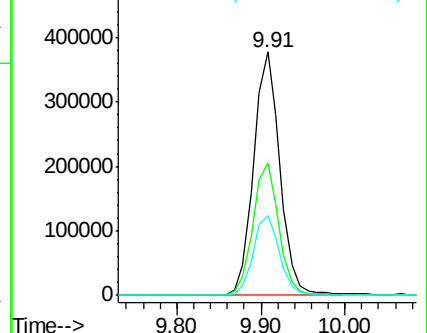
119 32.9 27.1 40.7



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: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062929.D

Acq: 12 Jun 2019 15:58

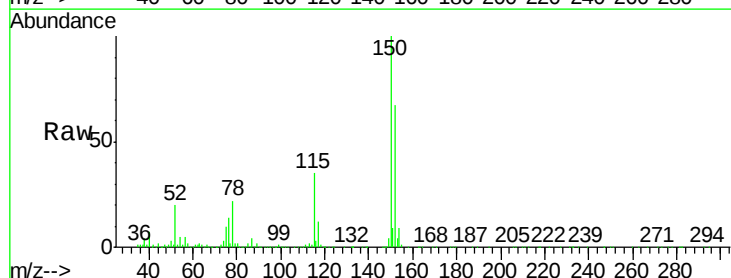
Tgt Ion:152 Resp: 398398

Ion Ratio Lower Upper

152 100

115 51.4 24.6 74.0

150 148.8 0.0 290.6



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

