

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060219.D
 Acq On : 7 Sep 2018 19:18
 Operator : VA/AP
 Sample : J4803-02
 Misc : 5.21g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-E6

Quant Time: Sep 08 00:23:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

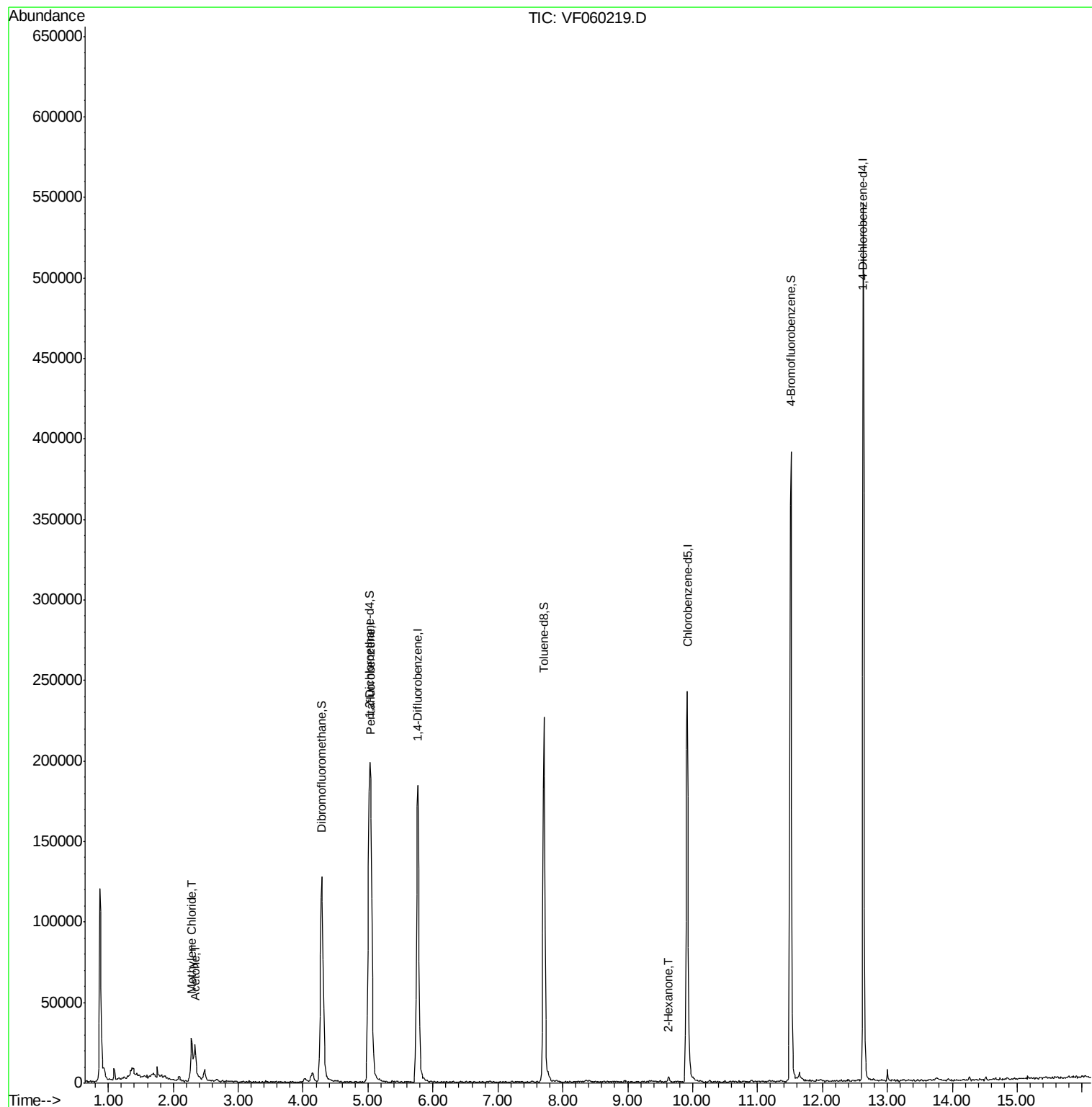
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	122951	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	182281	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	158887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	127110	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	147211	68.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.08%	
35) Dibromofluoromethane	4.29	113	116657	65.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	130.64%	
50) Toluene-d8	7.71	98	177526	39.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.68%	
62) 4-Bromofluorobenzene	11.50	95	136548	54.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.62%	
Target Compounds						
16) Acetone	2.34	43	28154	55.37	ug/l	# 93
20) Methylene Chloride	2.28	84	17014	8.90	ug/l	95
59) 2-Hexanone	9.63	43	2767	2.17	ug/l	82

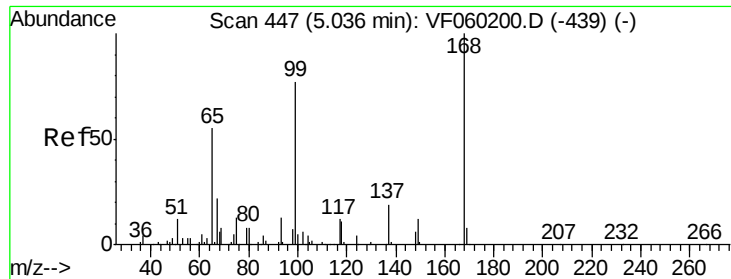
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060219.D

Acq: 7 Sep 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

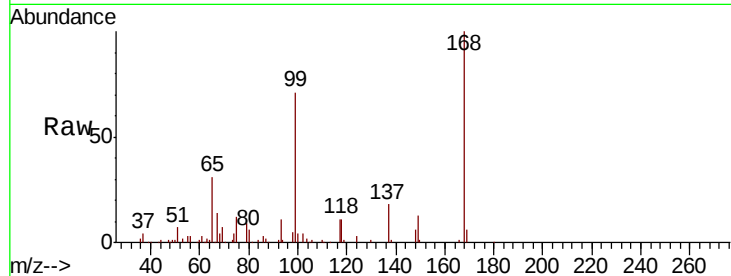
EP1-Q2-E6

Tot Ion:168 Resp: 122951

Ion Ratio Lower Upper

168 100

99 70.7 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

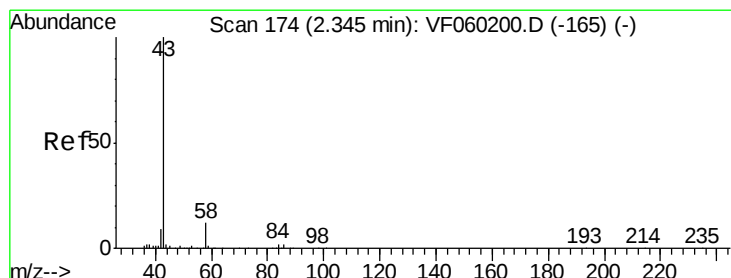
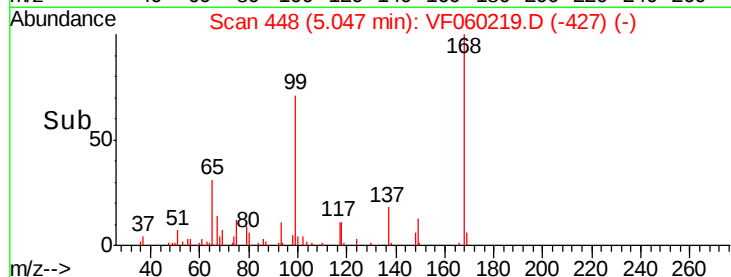
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 55.37 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060219.D

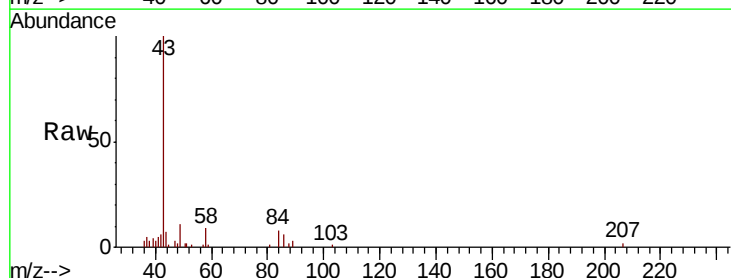
Acq: 7 Sep 2018 19:18

Tgt Ion: 43 Resp: 28154

Ion Ratio Lower Upper

43 100

58 9.3 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.34

15000

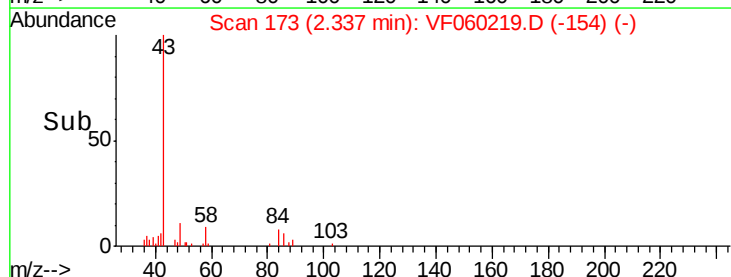
10000

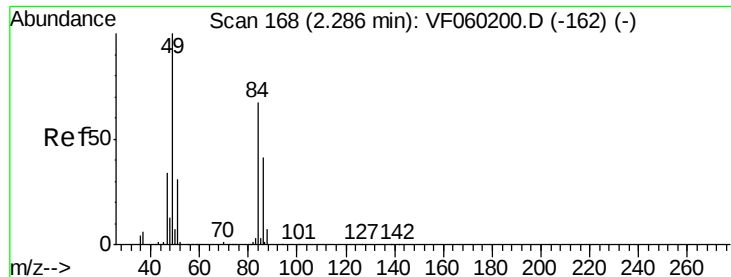
5000

0

Time-->

2.30 2.40





#20

Methylene Chloride

Concen: 8.90 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060219.D

Acq: 7 Sep 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-E6

Tot Ion: 84 Resp: 17014

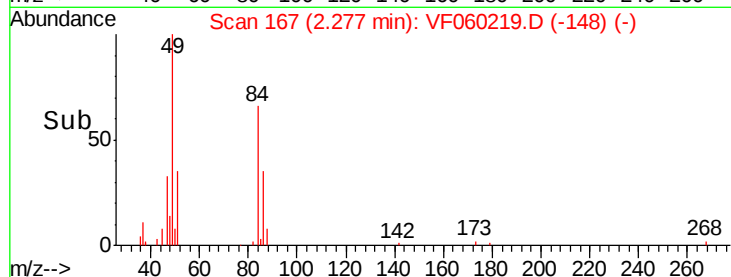
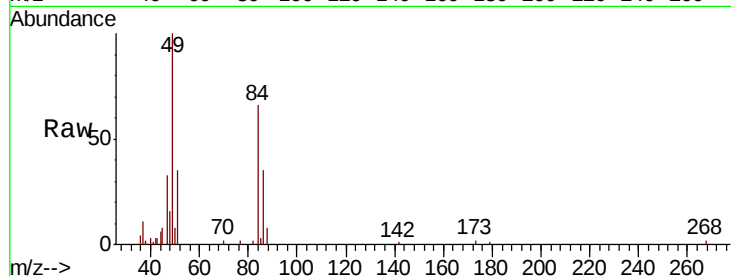
Ion Ratio Lower Upper

84 100

49 151.2 120.1 180.1

51 52.3 37.0 55.6

86 53.5 49.0 73.6

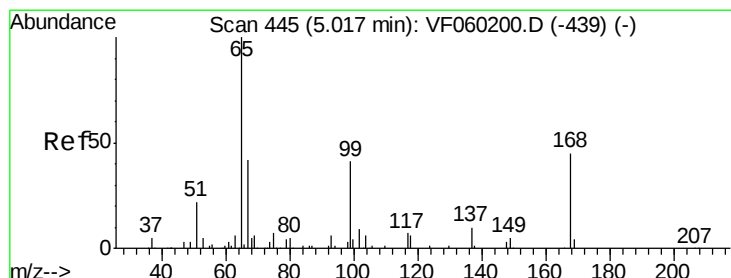
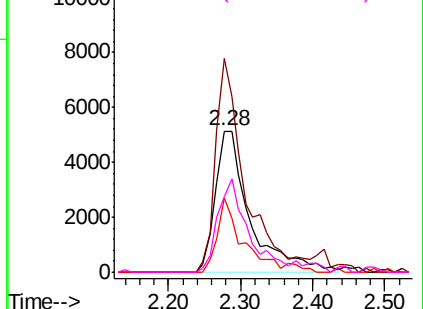


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 68.54 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060219.D

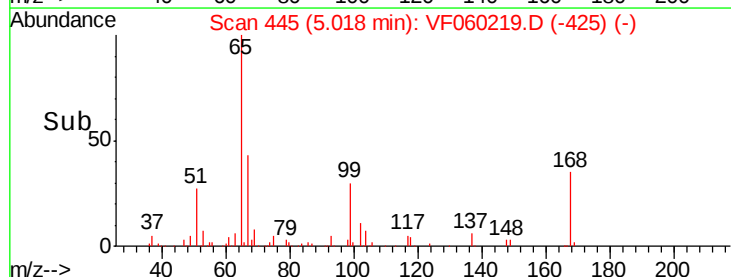
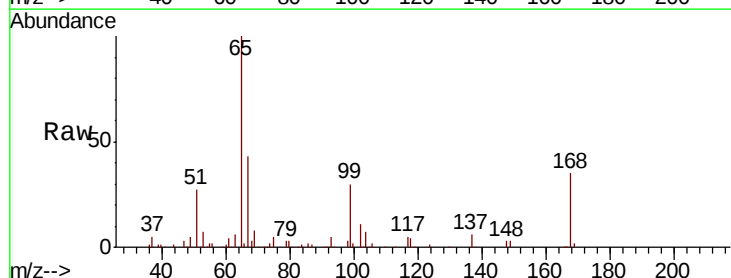
Acq: 7 Sep 2018 19:18

Tgt Ion: 65 Resp: 147211

Ion Ratio Lower Upper

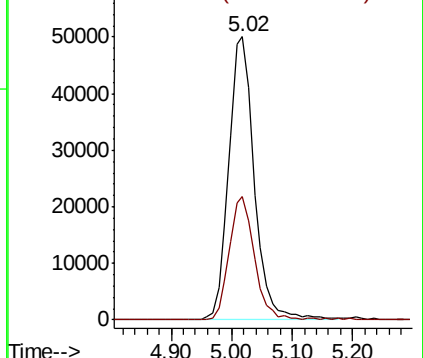
65 100

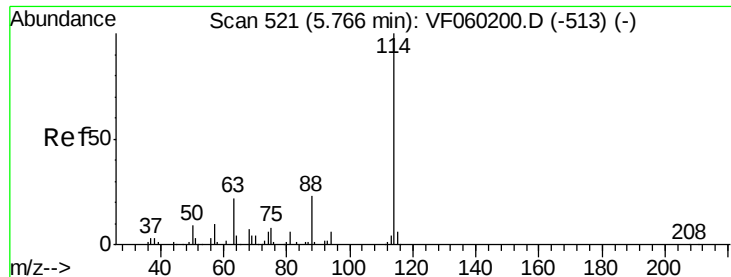
67 43.4 0.0 87.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF060219.D

Acq: 7 Sep 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-E6

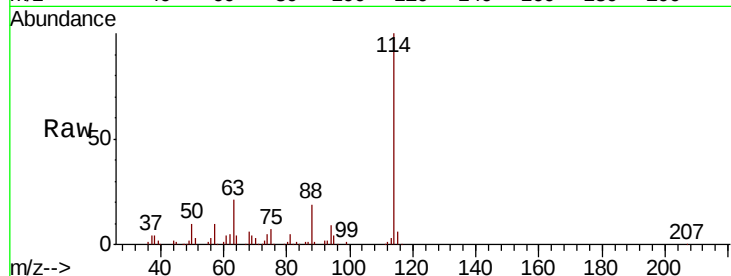
Tot Ion:114 Resp: 182281

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.6

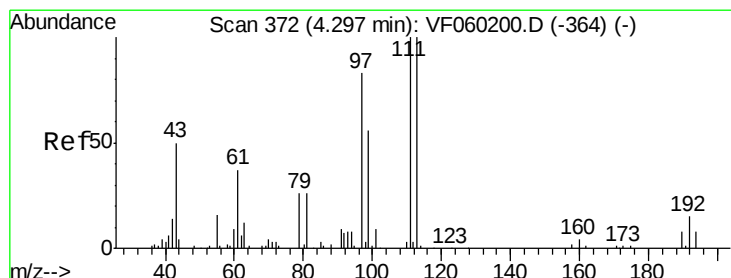
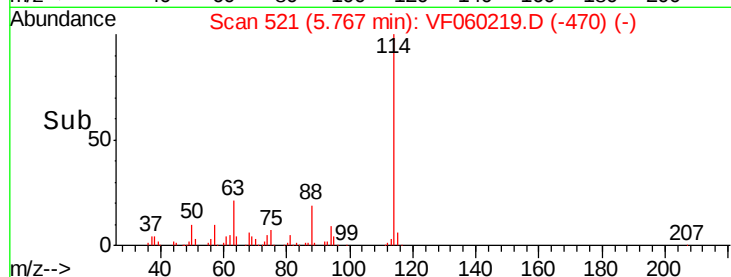
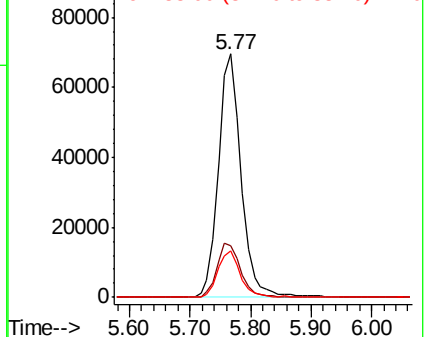
88 19.1 0.0 46.4



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: 65.32 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060219.D

Acq: 7 Sep 2018 19:18

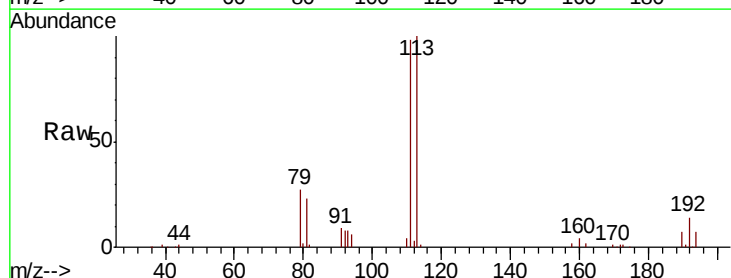
Tgt Ion:113 Resp: 116657

Ion Ratio Lower Upper

113 100

111 98.5 80.2 120.2

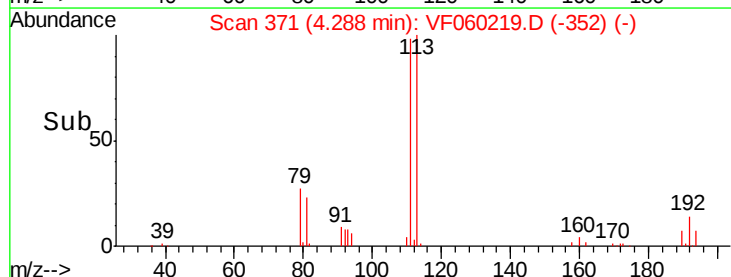
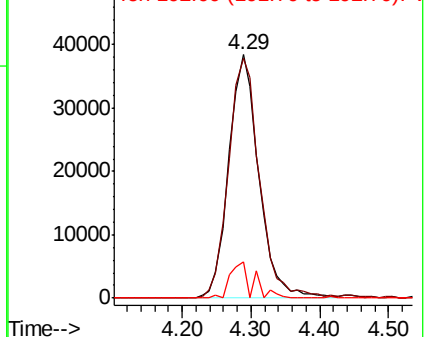
192 14.7 11.8 17.8

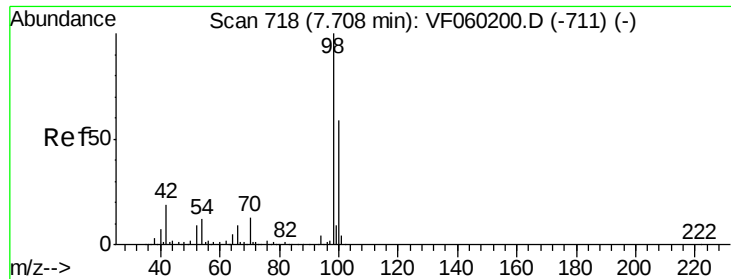


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 39.84 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060219.D

Acq: 7 Sep 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

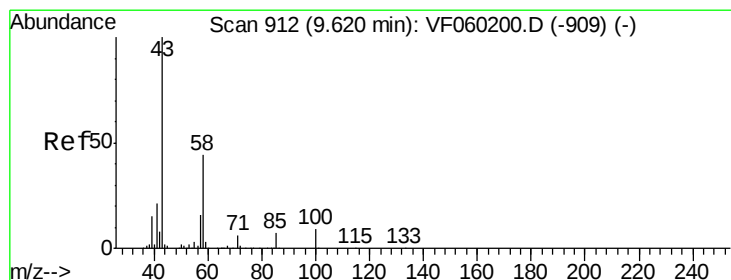
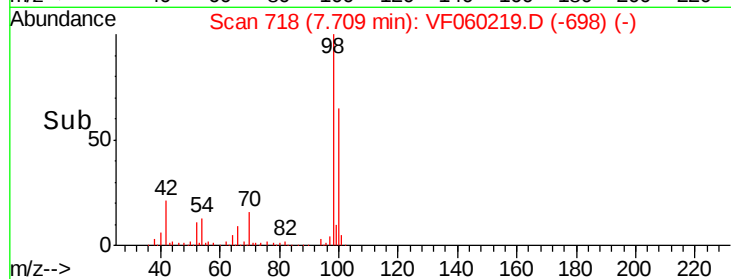
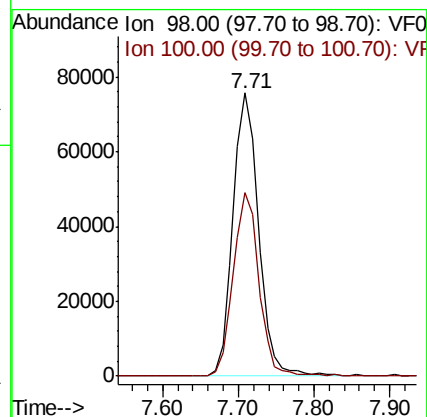
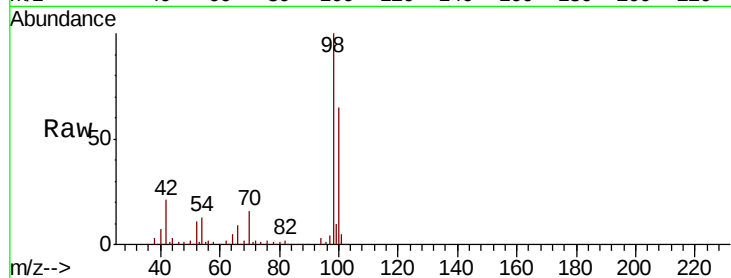
EP1-Q2-E6

Tot Ion: 98 Resp: 177526

Ion Ratio Lower Upper

98 100

100 64.8 47.4 71.0



#59

2-Hexanone

Concen: 2.17 ug/l

RT: 9.63 min Scan# 913

Delta R.T. 0.01 min

Lab File: VF060219.D

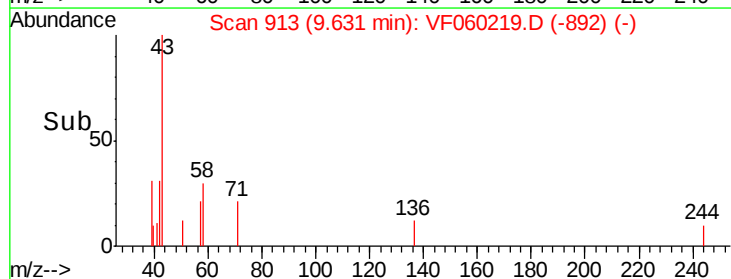
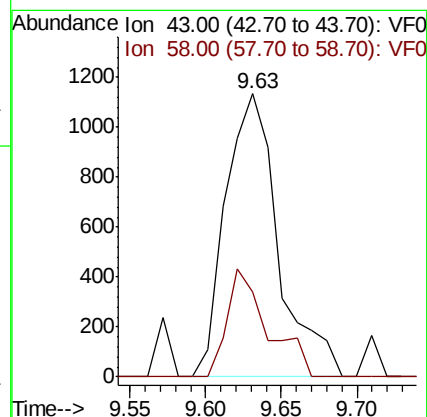
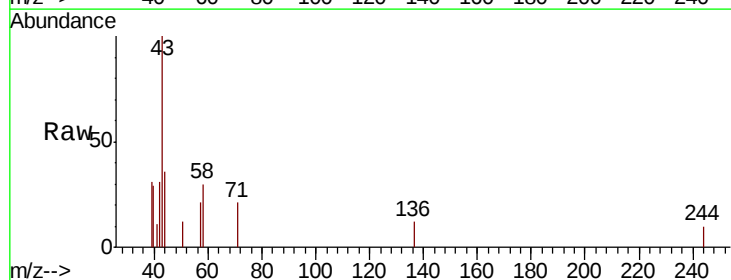
Acq: 7 Sep 2018 19:18

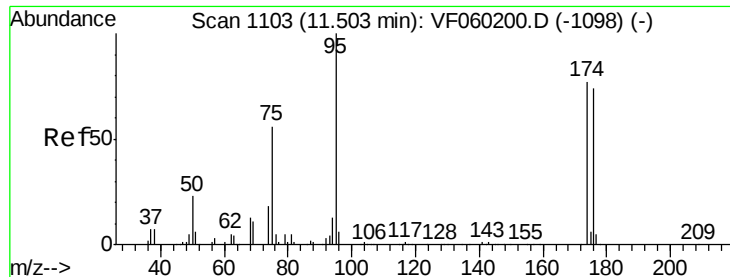
Tgt Ion: 43 Resp: 2767

Ion Ratio Lower Upper

43 100

58 30.1 20.8 62.5





#62

4-Bromofluorobenzene

Concen: 54.31 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060219.D

Acq: 7 Sep 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-E6

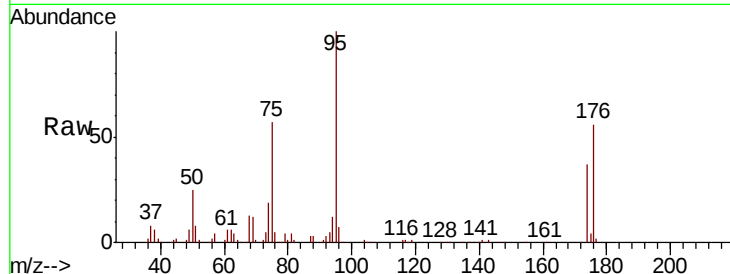
Tot Ion: 95 Resp: 136548

Ion Ratio Lower Upper

95 100

174 36.8 0.0 153.2

176 56.3 0.0 147.2

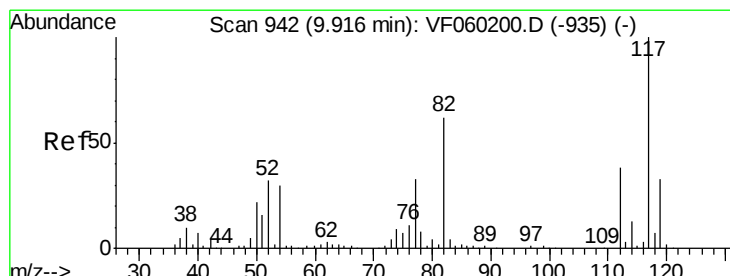
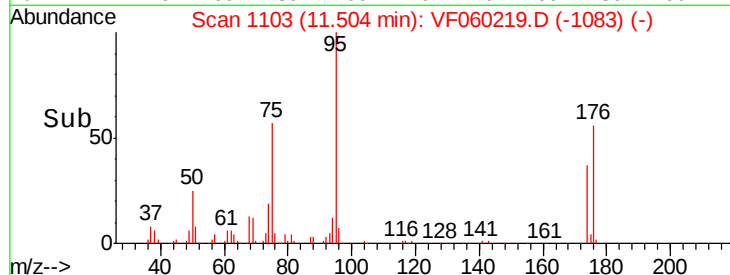
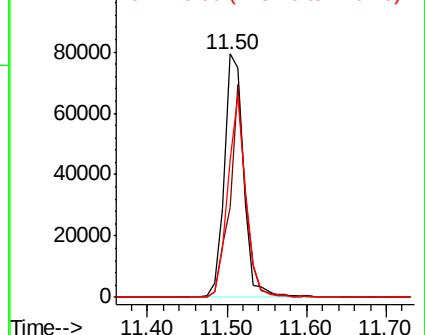


Abundance

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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF060219.D

Acq: 7 Sep 2018 19:18

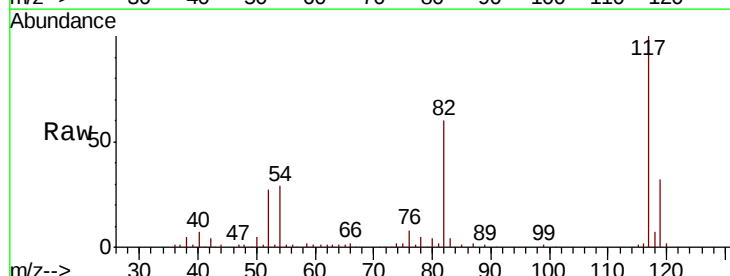
Tgt Ion: 117 Resp: 158887

Ion Ratio Lower Upper

117 100

82 60.1 49.3 73.9

119 32.3 26.5 39.7

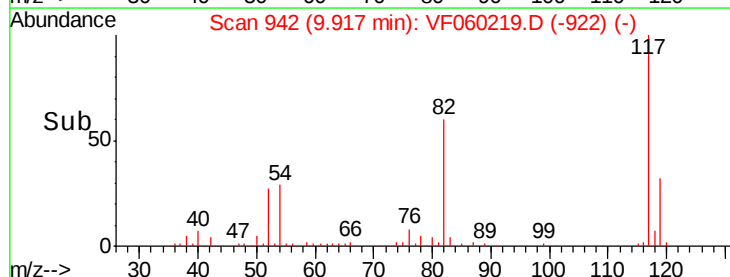
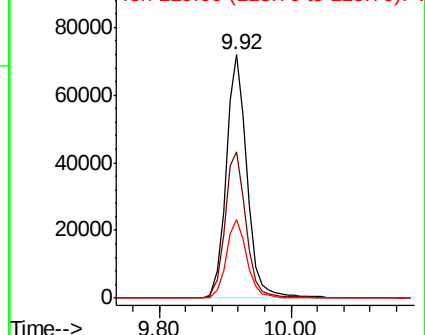


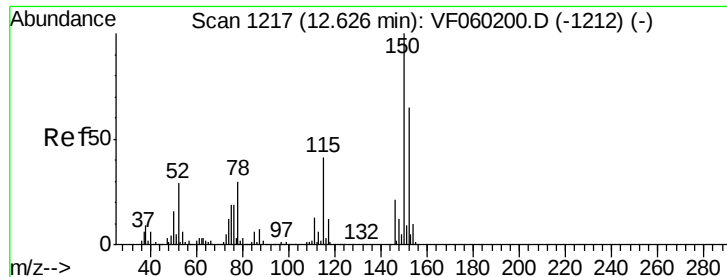
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060219.D

Acq: 7 Sep 2018 19:18

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-E6

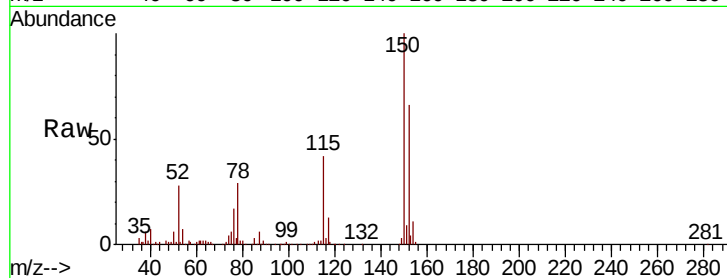
Tot Ion:152 Resp: 127110

Ion Ratio Lower Upper

152 100

115 63.4 31.5 94.5

150 150.6 0.0 310.4



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

