

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060466.D
 Acq On : 5 Oct 2018 20:32
 Operator : VA/AP
 Sample : J5270-07RE
 Misc : 5.65/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PHASE-3-SOILRE

Quant Time: Oct 08 10:23:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

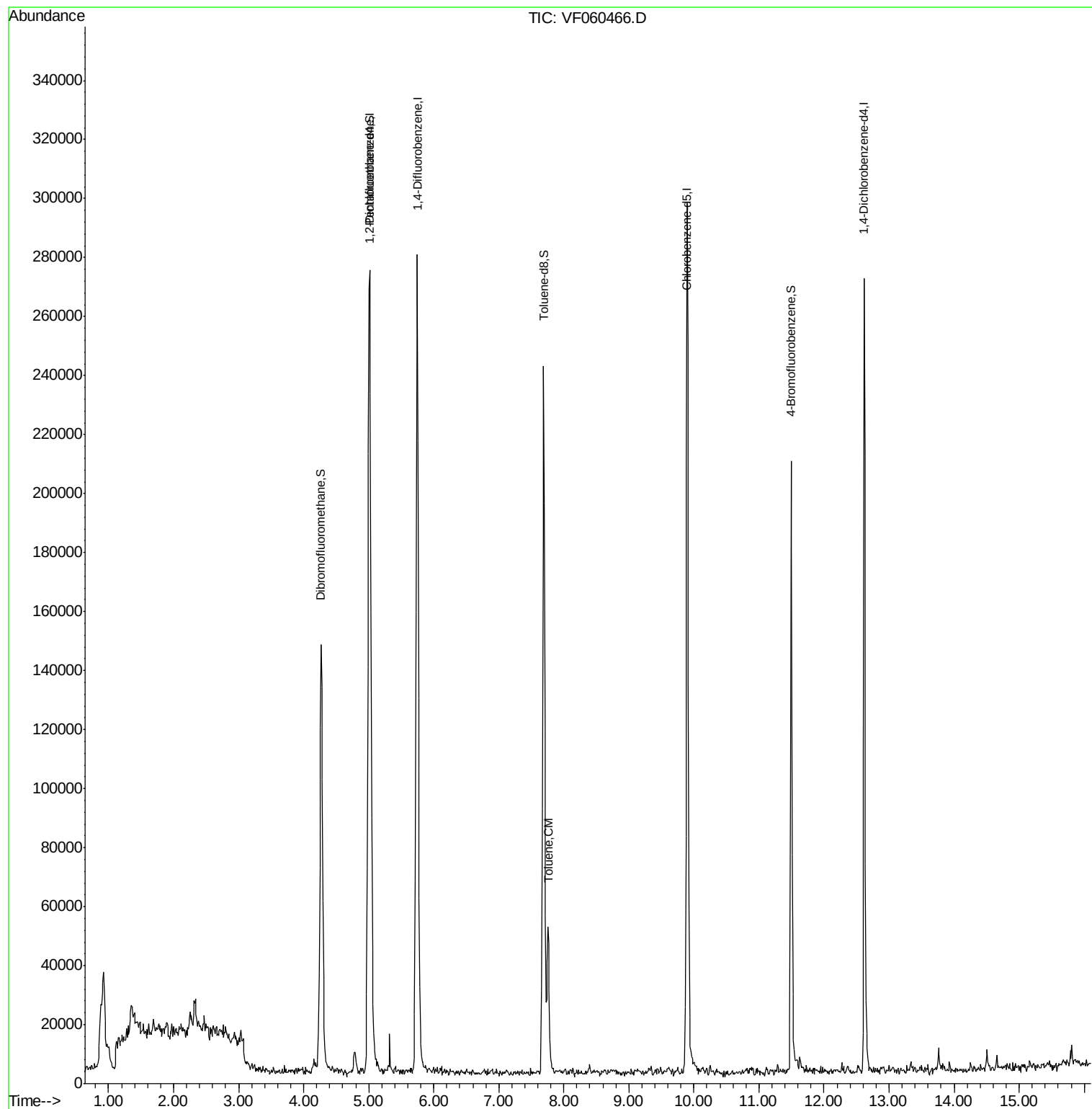
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	159714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	263697	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	182710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	61422	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	140696	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.60%	
35) Dibromofluoromethane	4.27	113	128751	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
50) Toluene-d8	7.69	98	189637	31.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.16%	
62) 4-Bromofluorobenzene	11.49	95	72827	26.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.28%	
Target Compounds						
52) Toluene	7.76	92	22984	5.243	ug/l	Qvalue 92

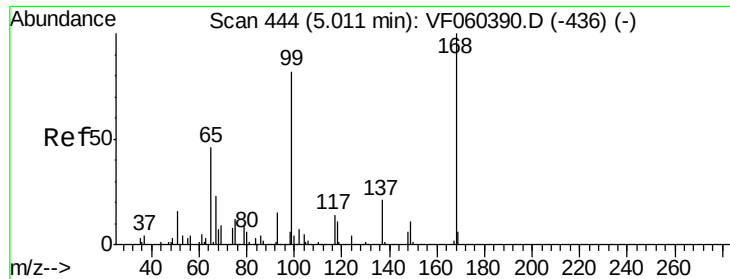
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

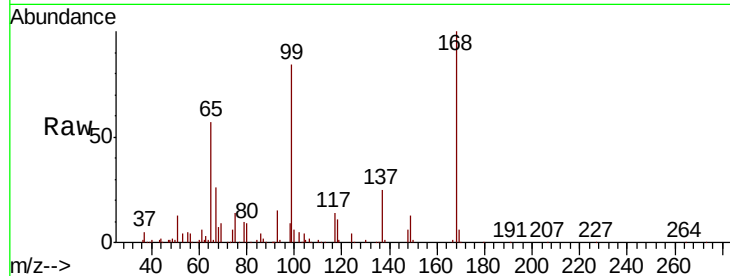
PHASE-3-SOILRE

Tot Ion:168 Resp: 159714

Ion Ratio Lower Upper

168 100

99 84.4 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

50000

40000

30000

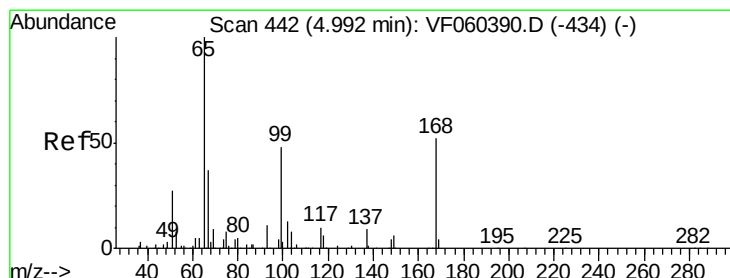
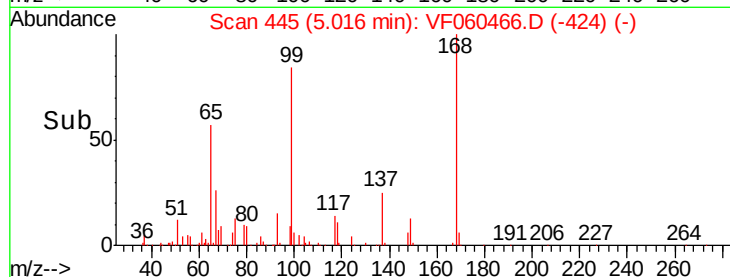
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.297 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060466.D

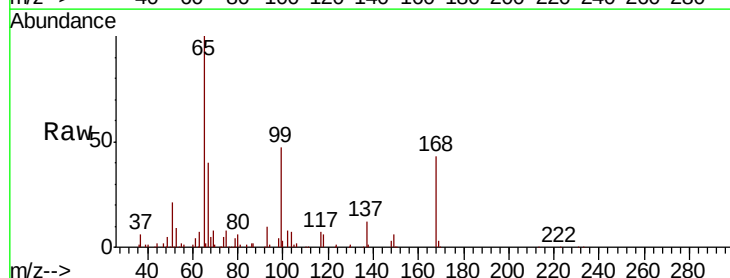
Acq: 5 Oct 2018 20:32

Tgt Ion: 65 Resp: 140696

Ion Ratio Lower Upper

65 100

67 40.2 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.00

60000

50000

40000

30000

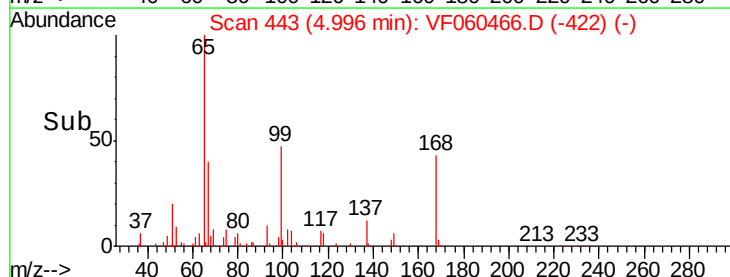
20000

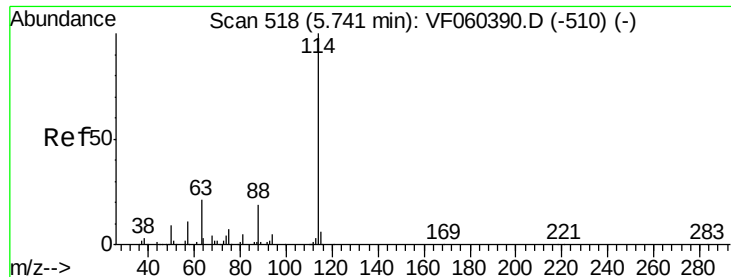
10000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

PHASE-3-SOILRE

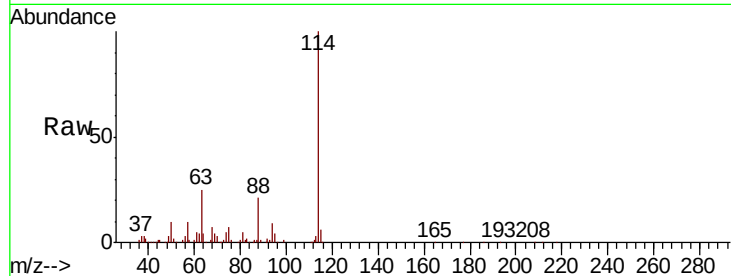
Tot Ion:114 Resp: 263697

Ion Ratio Lower Upper

114 100

63 25.2 0.0 42.2

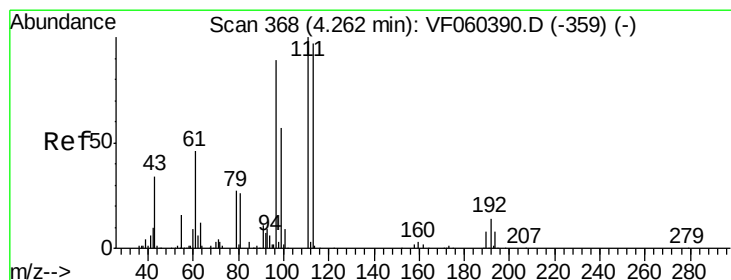
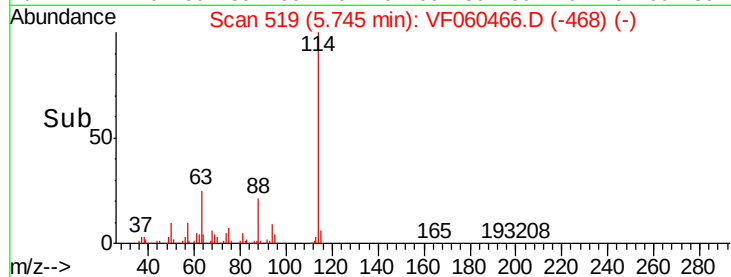
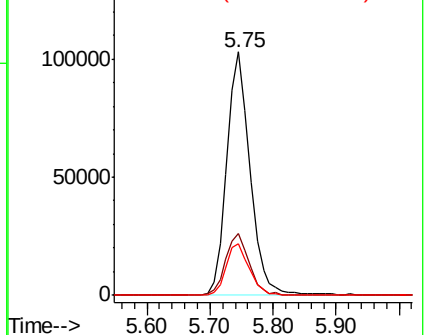
88 21.2 0.0 38.8



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: 51.973 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

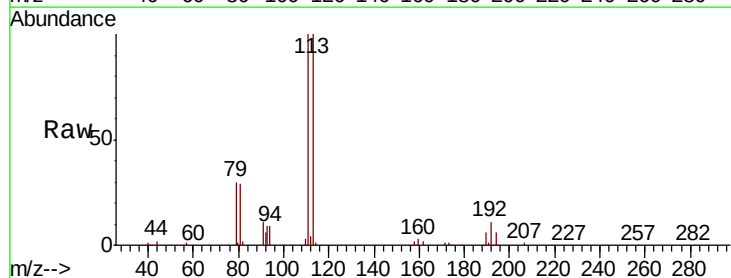
Tgt Ion:113 Resp: 128751

Ion Ratio Lower Upper

113 100

111 100.5 82.3 123.5

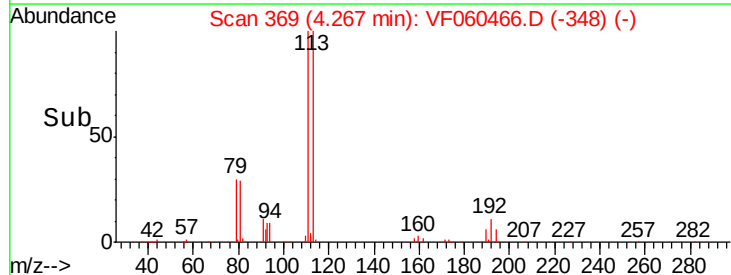
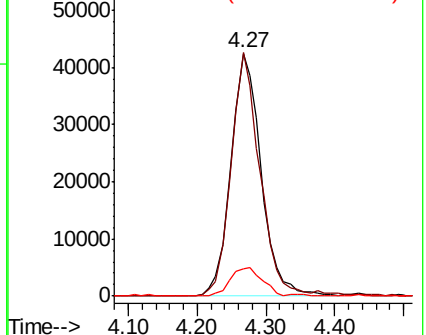
192 11.3 11.8 17.6#

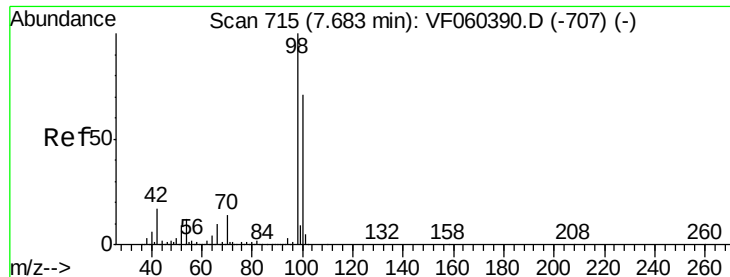


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 31.083 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

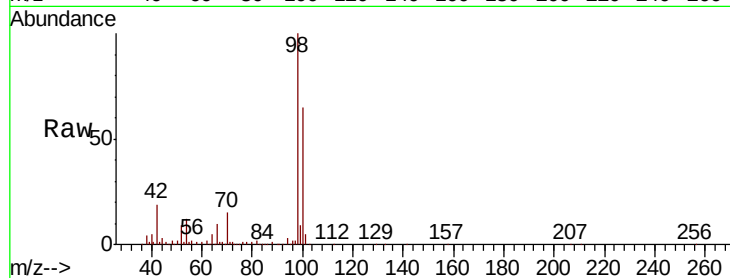
PHASE-3-SOILRE

Tot Ion: 98 Resp: 189637

Ion Ratio Lower Upper

98 100

100 64.7 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

80000

60000

40000

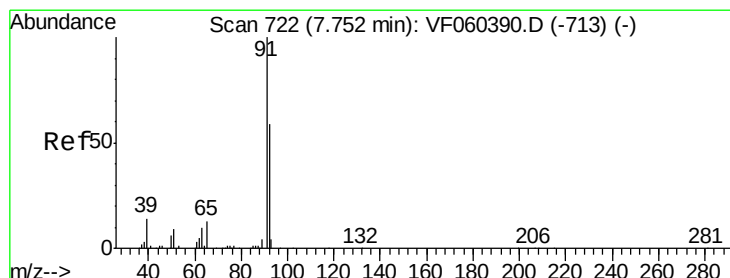
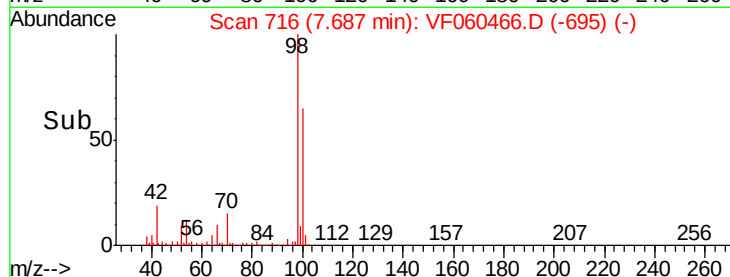
20000

0

7.60 7.70 7.80

7.69

Time-->



#52

Toluene

Concen: 5.243 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060466.D

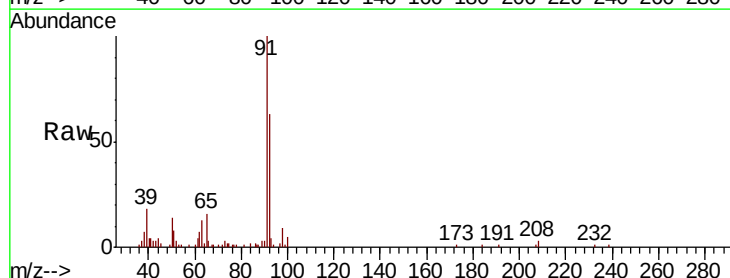
Acq: 5 Oct 2018 20:32

Tgt Ion: 92 Resp: 22984

Ion Ratio Lower Upper

92 100

91 157.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

15000

10000

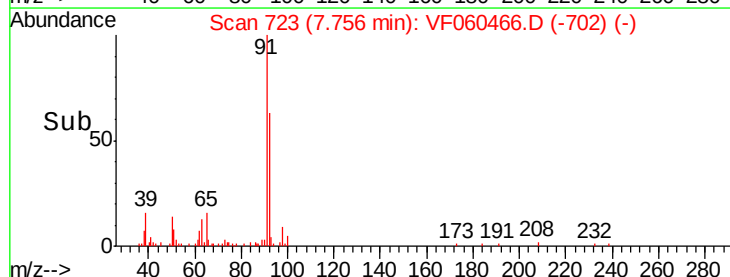
5000

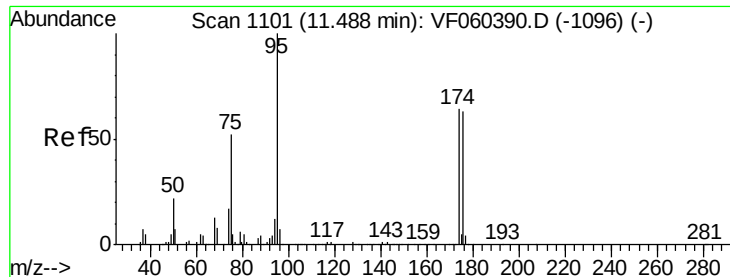
0

7.70 7.80 7.90

7.76

Time-->





#62

4-Bromofluorobenzene

Concen: 26.143 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

PHASE-3-SOILRE

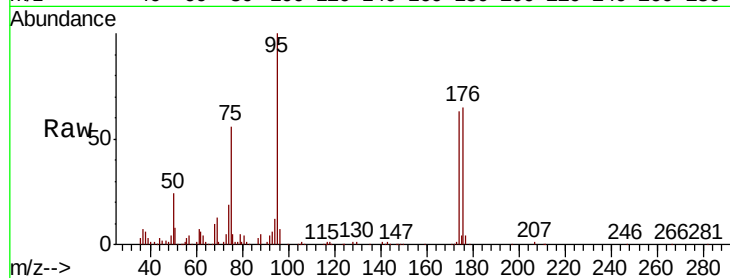
Tot Ion: 95 Resp: 72827

Ion Ratio Lower Upper

95 100

174 63.4 0.0 129.0

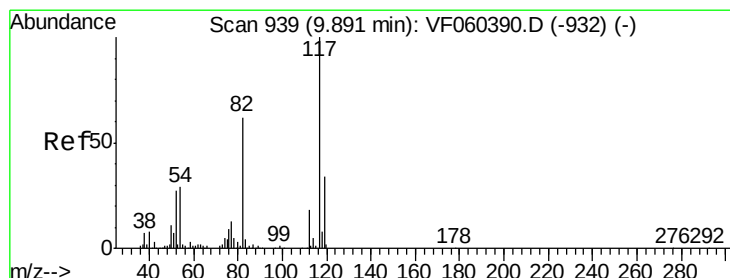
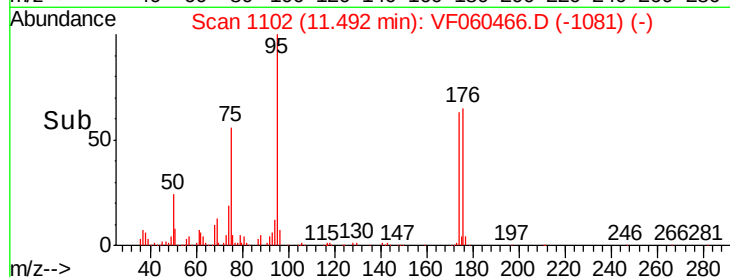
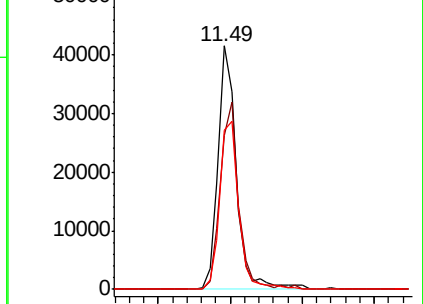
176 65.2 0.0 125.6



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: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

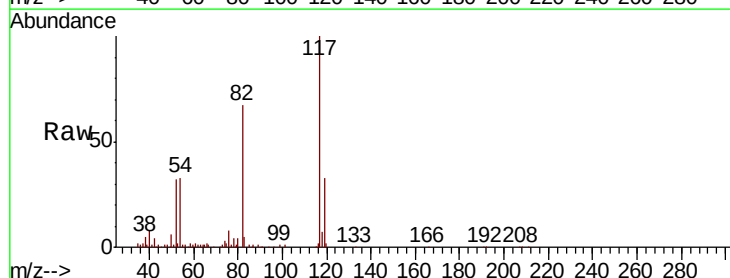
Tgt Ion: 117 Resp: 182710

Ion Ratio Lower Upper

117 100

82 67.4 49.5 74.3

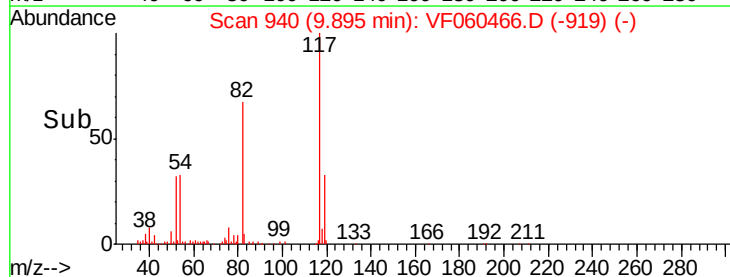
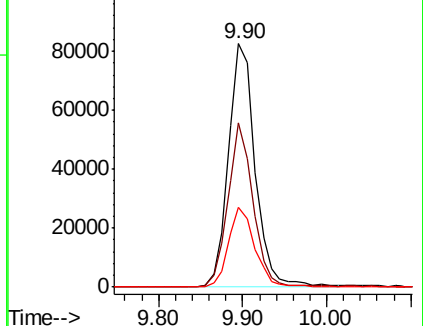
119 32.7 27.0 40.6

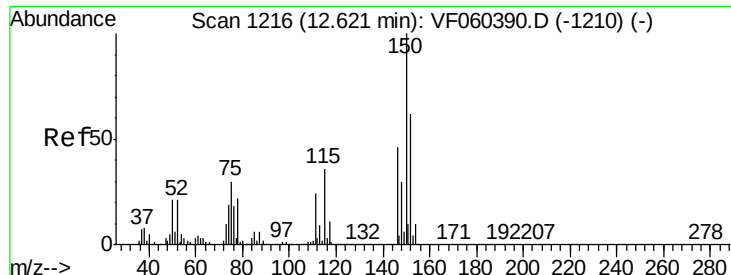


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

PHASE-3-SOILRE

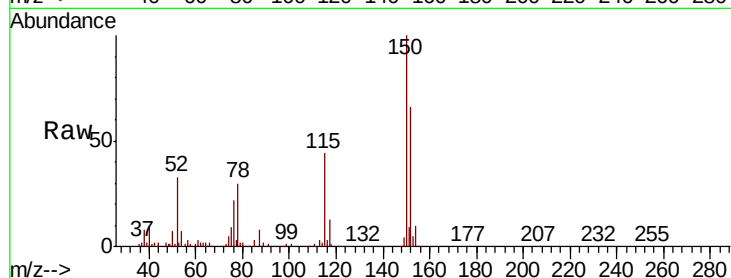
Tot Ion:152 Resp: 61422

Ion Ratio Lower Upper

152 100

115 65.8 28.6 85.8

150 150.7 0.0 324.6



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

