

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\  
 Data File : VW010437.D  
 Acq On : 18 May 2019 04:07  
 Operator : SY/VA  
 Sample : K2906-02  
 Misc : 4.79G/5ML/MSVOA W/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-12(9.5-10)

Quant Time: May 27 04:13:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W051719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 18 01:59:40 2019  
 Response via : Initial Calibration

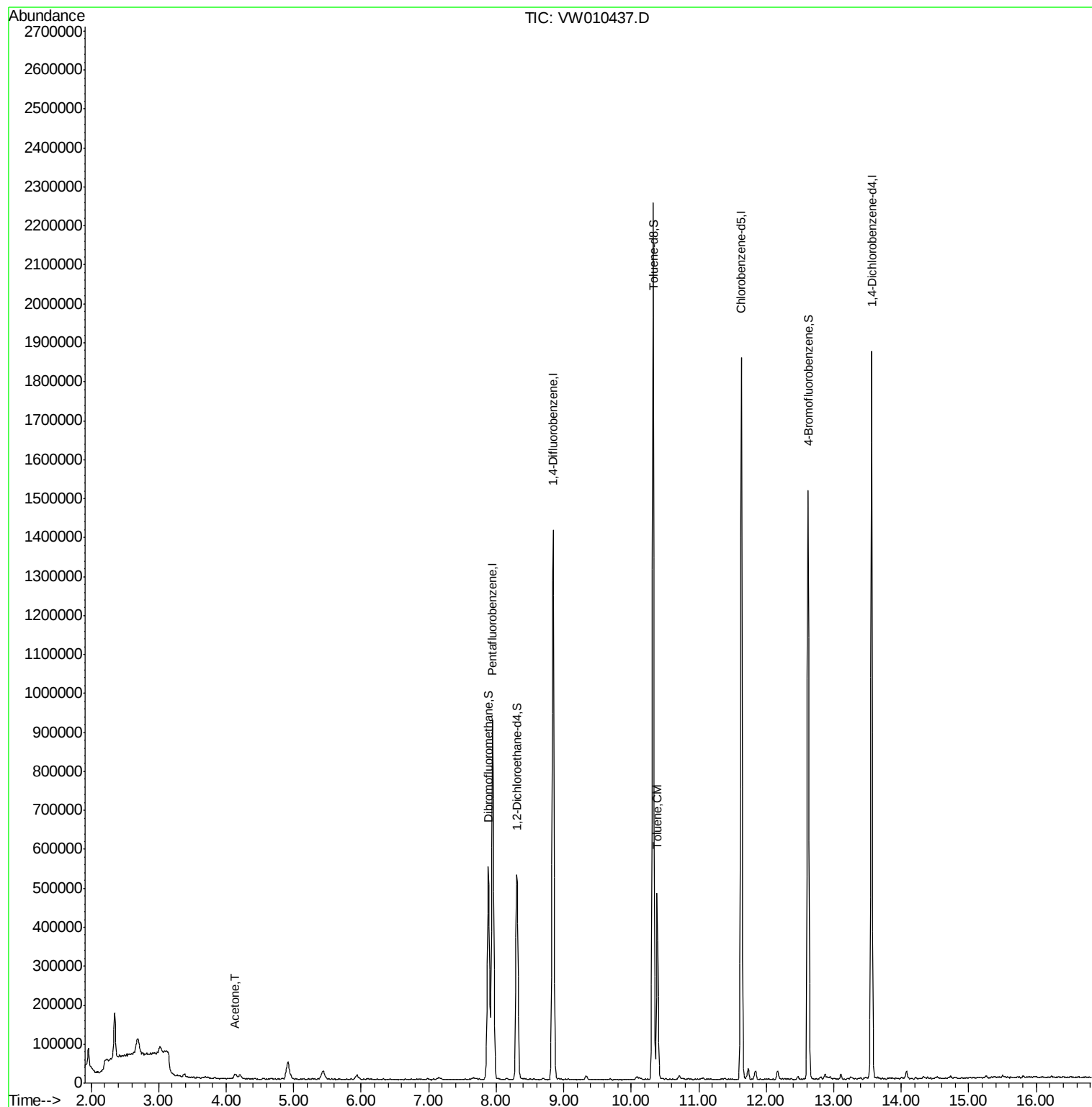
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 656305   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 1241654  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 1085054  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56  | 152  | 465665   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 415258   | 57.69  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 115.38% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 403788   | 52.65  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 105.30% |          |
| 50) Toluene-d8              | 10.32  | 98   | 1538932  | 53.81  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 107.62% |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 572876   | 51.02  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 102.04% |          |
| Target Compounds            |        |      |          |        |         |          |
| 16) Acetone                 | 4.13   | 43   | 23109    | 18.226 | ug/l    | 90       |
| 52) Toluene                 | 10.39  | 92   | 213035   | 10.225 | ug/l    | 99       |

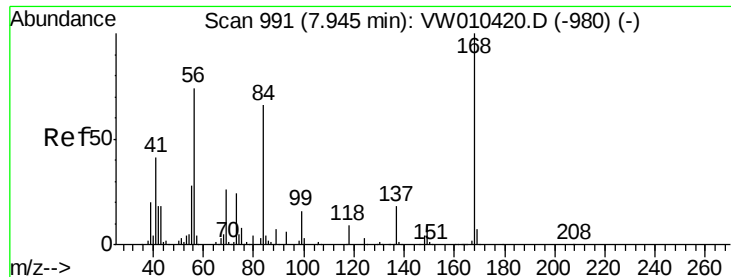
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\  
Data File : VW010437.D  
Acq On : 18 May 2019 04:07  
Operator : SY/VA  
Sample : K2906-02  
Misc : 4.79G/5ML/MSVOA W/SOIL  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-12(9.5-10)

Quant Time: May 27 04:13:16 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W051719S.M  
Quant Title : SW846 8260  
QLast Update : Sat May 18 01:59:40 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010437.D

Acq: 18 May 2019 04:07

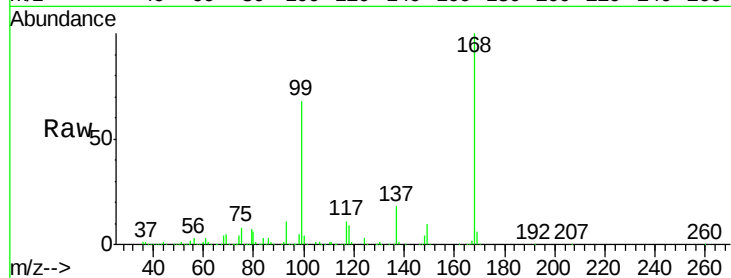
Instrument :  
MSVOA\_W  
ClientSampleId :  
FESB-12(9.5-10)

Tot Ion:168 Resp: 656305

Ion Ratio Lower Upper

168 100

99 68.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

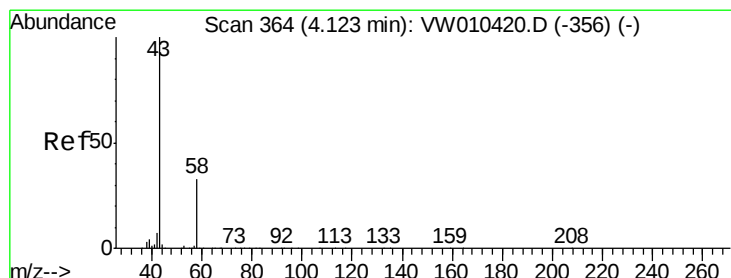
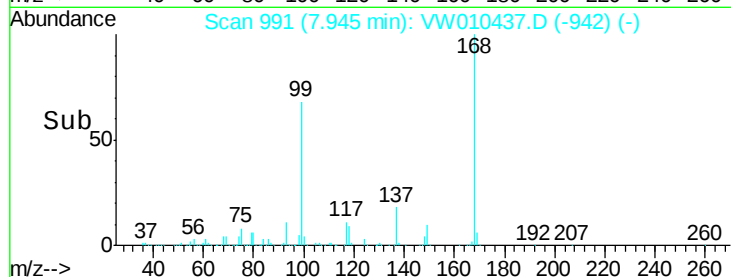
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 18.226 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010437.D

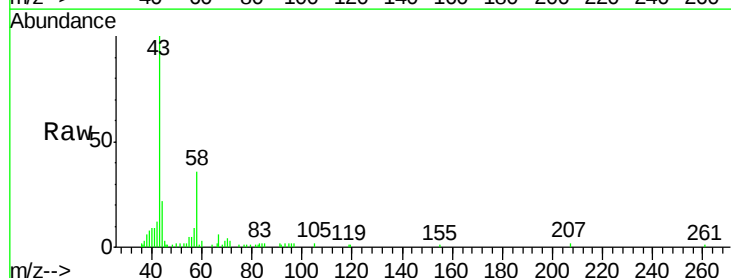
Acq: 18 May 2019 04:07

Tgt Ion: 43 Resp: 23109

Ion Ratio Lower Upper

43 100

58 37.9 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

10000

8000

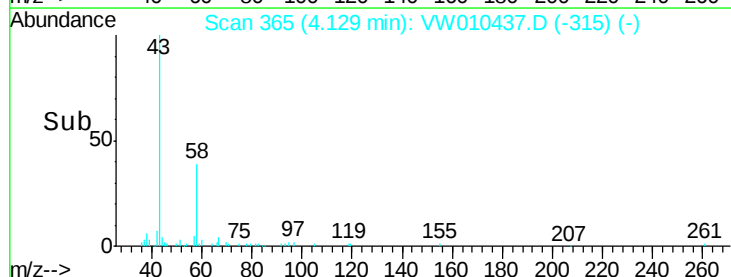
6000

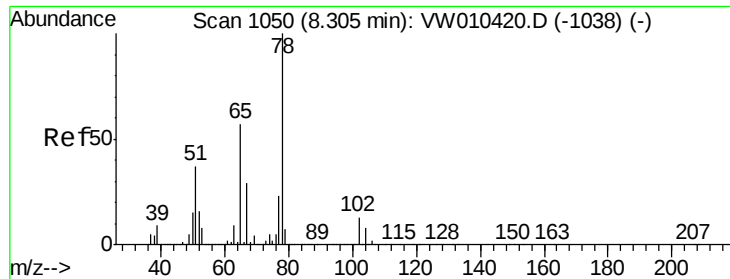
4000

2000

0

Time--> 4.00 4.10 4.20

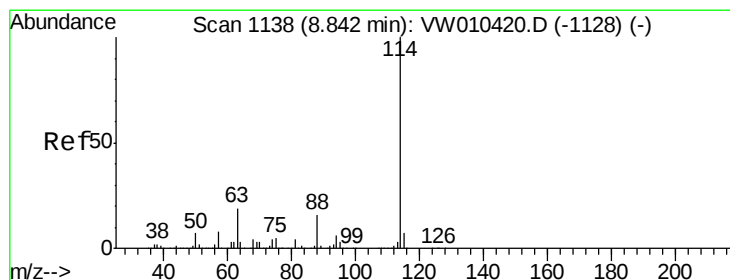
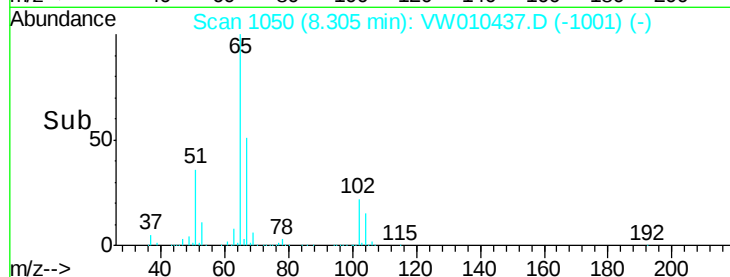
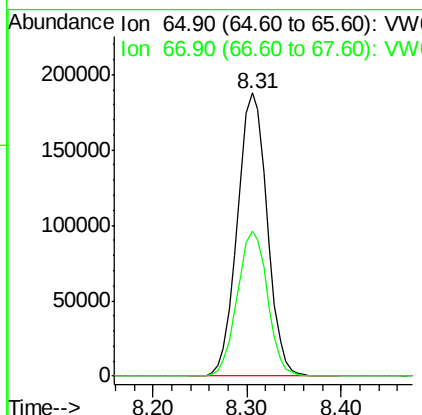
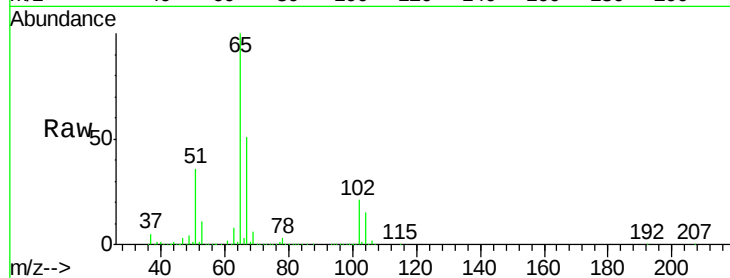




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.692 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW010437.D  
 Acq: 18 May 2019 04:07

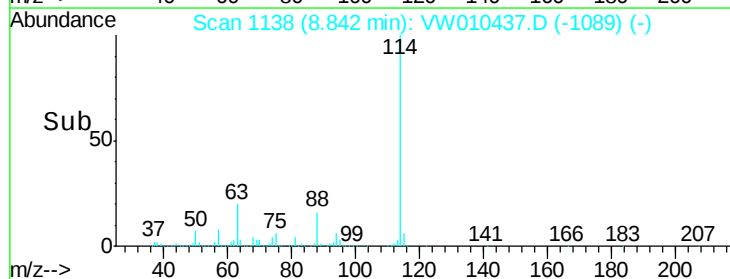
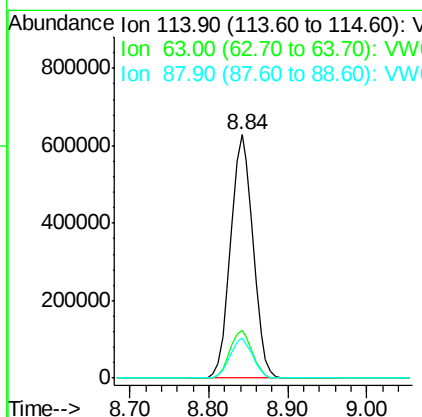
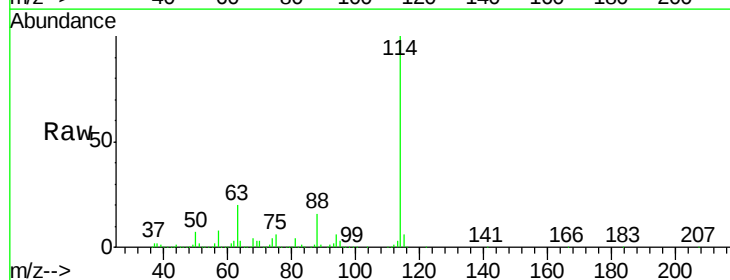
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FESB-12(9.5-10)

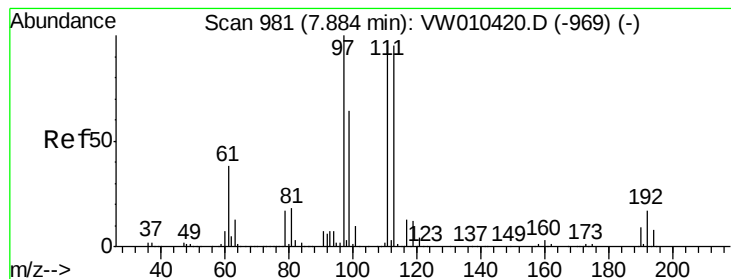
Tot Ion: 65 Resp: 415258  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW010437.D  
 Acq: 18 May 2019 04:07

Tgt Ion: 114 Resp: 1241654  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 38.8  
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 52.653 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010437.D

Acq: 18 May 2019 04:07

Instrument :

MSVOA\_W

ClientSampleId :

FESB-12(9.5-10)

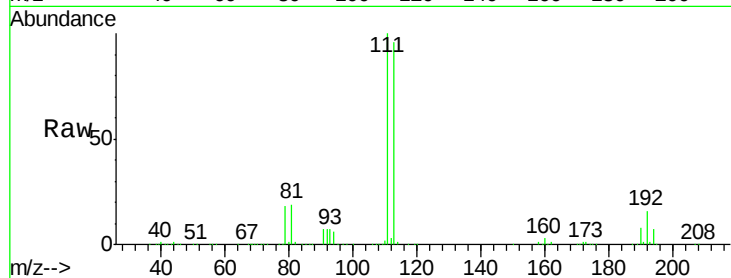
Tot Ion:113 Resp: 403788

Ion Ratio Lower Upper

113 100

111 102.7 82.5 123.7

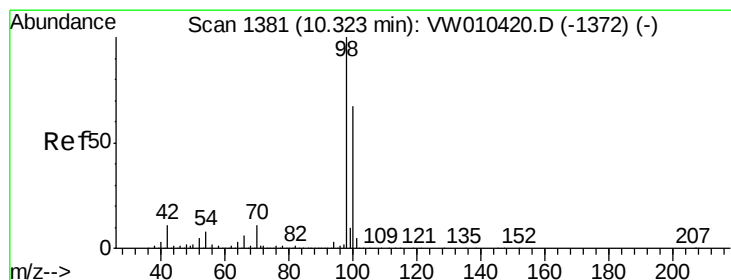
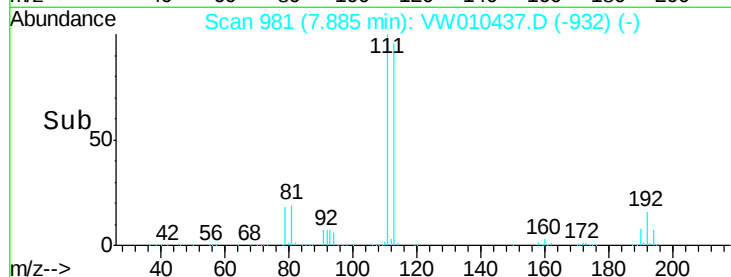
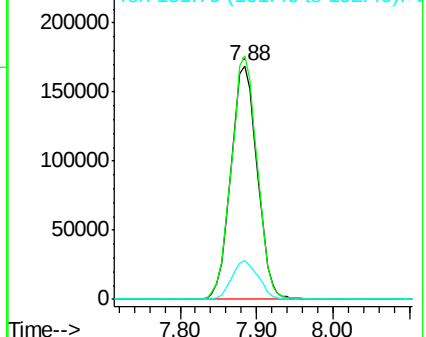
192 16.5 14.2 21.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 53.813 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010437.D

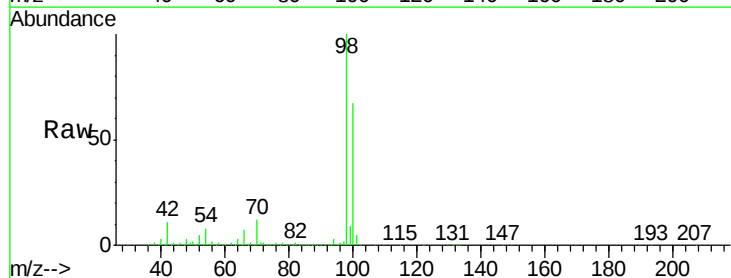
Acq: 18 May 2019 04:07

Tgt Ion: 98 Resp: 1538932

Ion Ratio Lower Upper

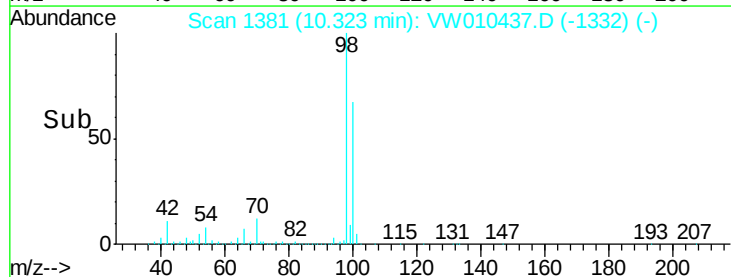
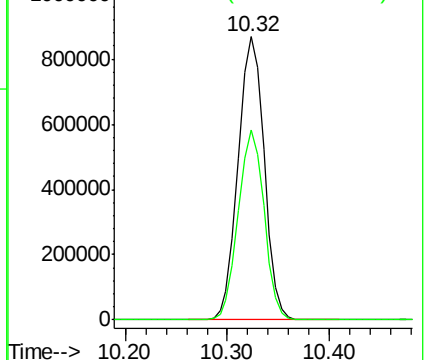
98 100

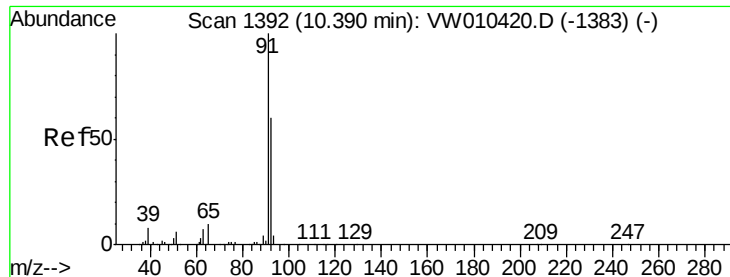
100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 10.225 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010437.D

Acq: 18 May 2019 04:07

Instrument :

MSVOA\_W

ClientSampleId :

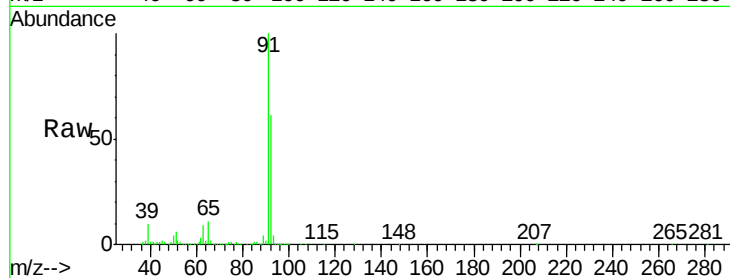
FESB-12(9.5-10)

Tot Ion: 92 Resp: 213035

Ion Ratio Lower Upper

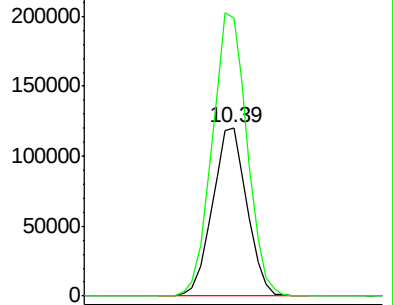
92 100

91 170.1 135.4 203.0

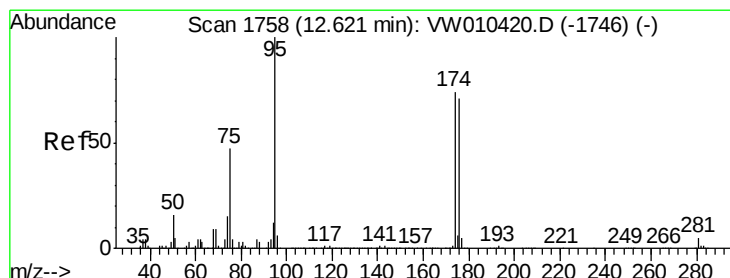
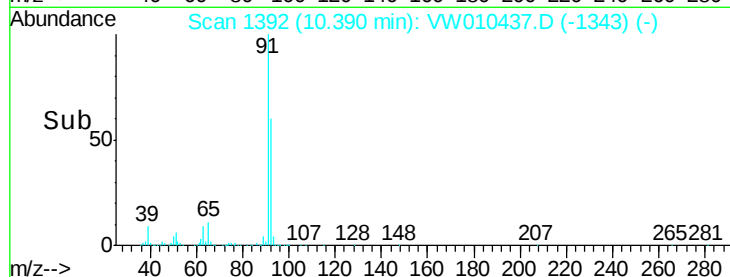


Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 51.023 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010437.D

Acq: 18 May 2019 04:07

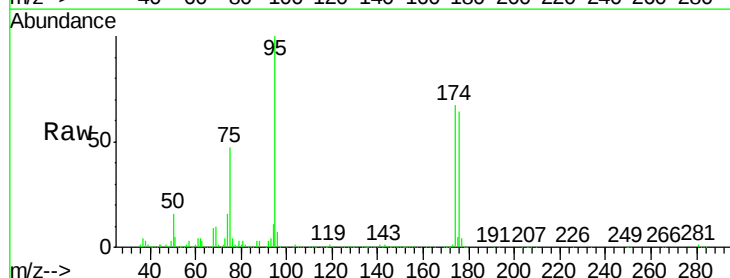
Tgt Ion: 95 Resp: 572876

Ion Ratio Lower Upper

95 100

174 65.1 0.0 146.6

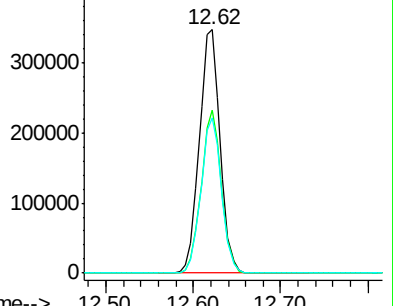
176 63.1 0.0 141.4



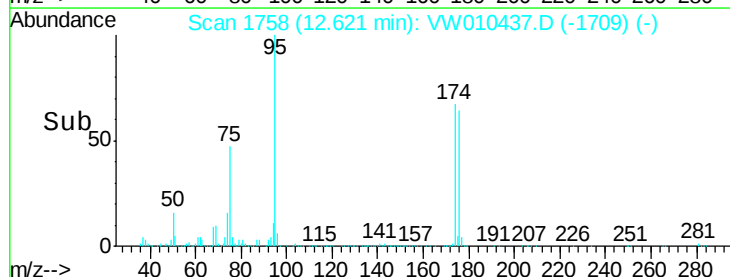
Abundance Ion 94.90 (94.60 to 95.60): VW

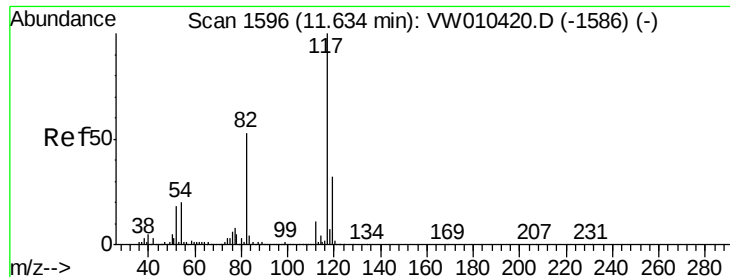
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010437.D

Acq: 18 May 2019 04:07

Instrument :

MSVOA\_W

ClientSampleId :

FESB-12(9.5-10)

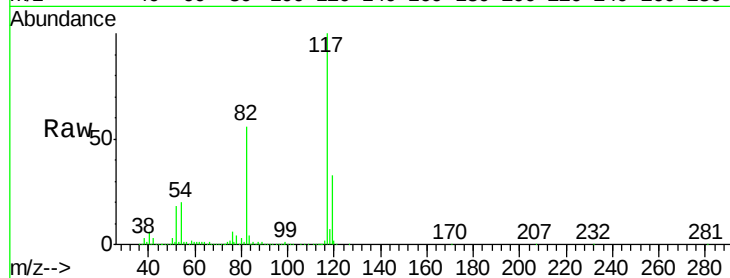
Tot Ion:117 Resp: 1085054

Ion Ratio Lower Upper

117 100

82 55.6 42.1 63.1

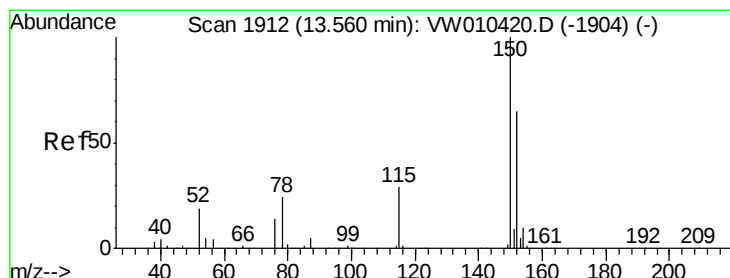
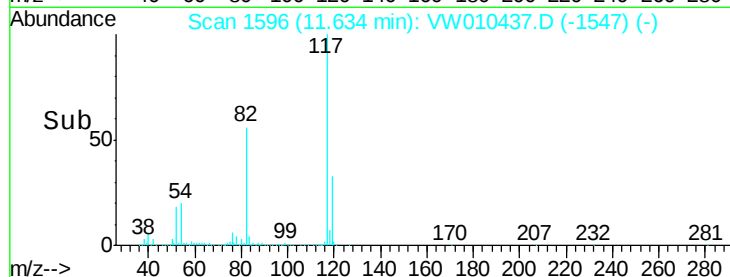
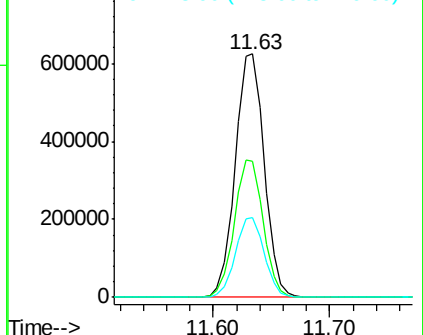
119 32.7 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010437.D

Acq: 18 May 2019 04:07

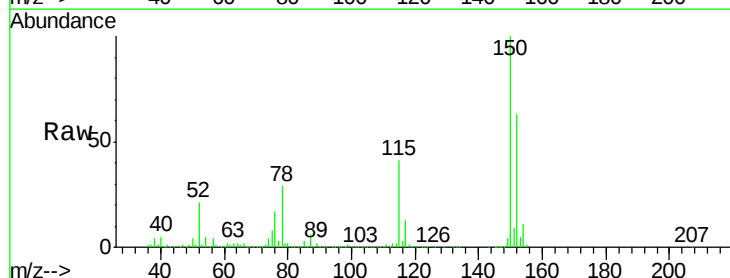
Tgt Ion:152 Resp: 465665

Ion Ratio Lower Upper

152 100

115 65.2 30.0 90.1

150 157.6 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

