

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\  
 Data File : VW010431.D  
 Acq On : 18 May 2019 01:25  
 Operator : SY/VA  
 Sample : K2845-01  
 Misc : 5.15G/5ML/MSVOA W/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 FEBH-01

Quant Time: May 18 01:54:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W051719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 23:49:26 2019  
 Response via : Initial Calibration

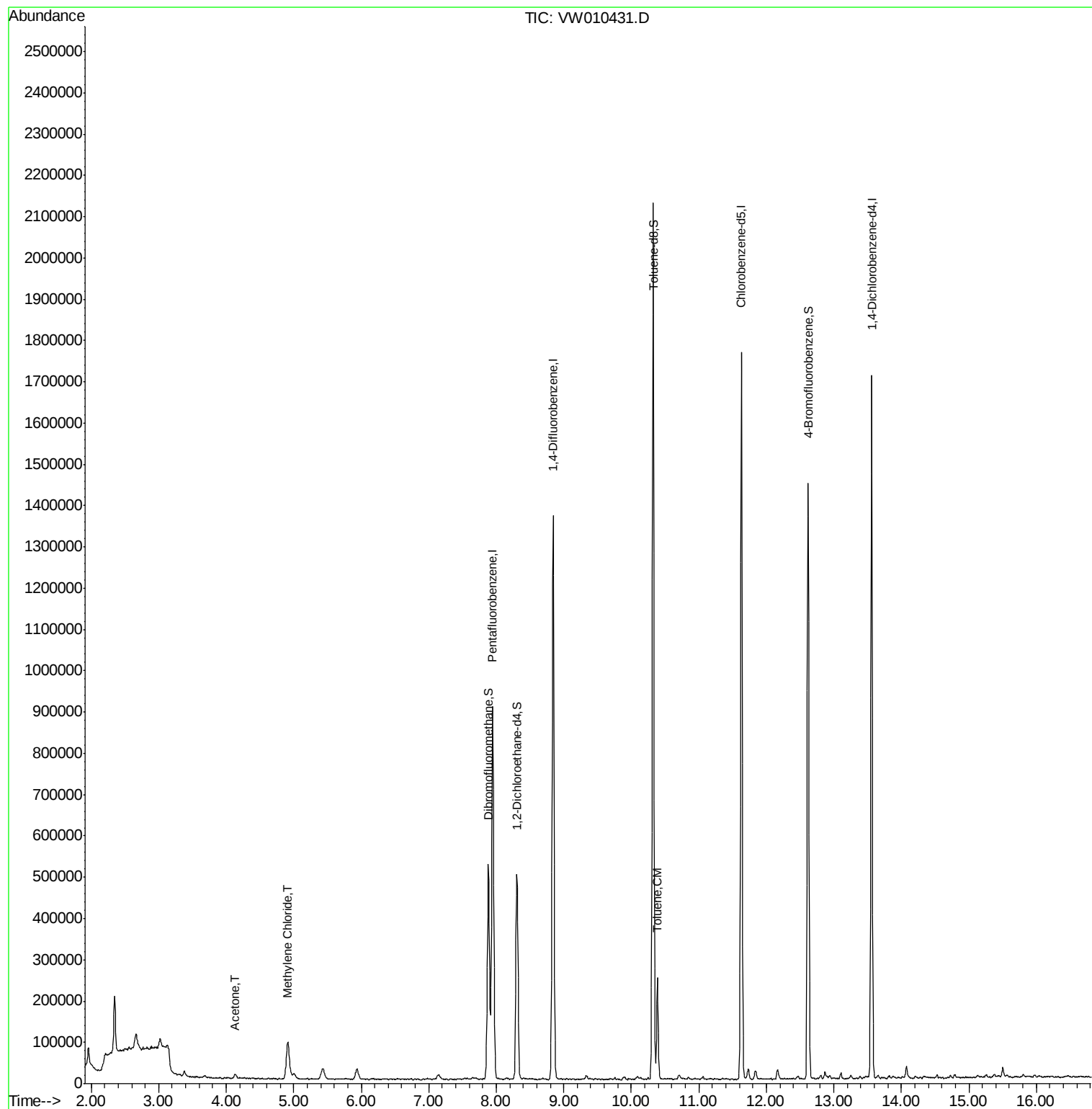
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 638542   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 1185537  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 1028779  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 433757   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 390883   | 55.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.64% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 370545   | 50.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.22% |          |
| 50) Toluene-d8              | 10.32 | 98   | 1452636  | 53.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.40% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 527813   | 49.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.46%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 17586    | 14.256 | ug/l    | 94       |
| 20) Methylene Chloride      | 4.91  | 84   | 72051    | 7.911  | ug/l    | 94       |
| 52) Toluene                 | 10.39 | 92   | 107496   | 5.403  | ug/l    | 99       |

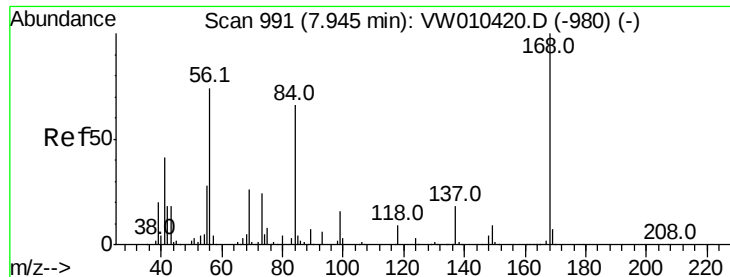
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\  
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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: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA\_W

ClientSampleId :

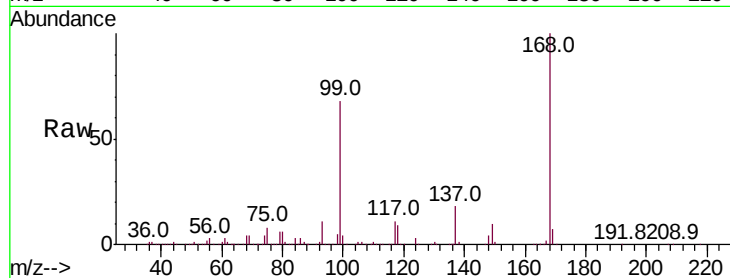
FEBH-01

Tot Ion:168 Resp: 638542

Ion Ratio Lower Upper

168 100

99 68.1 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

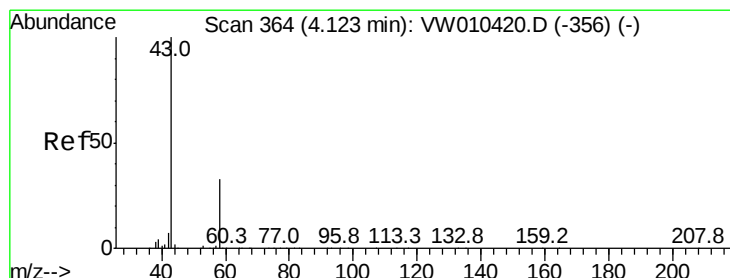
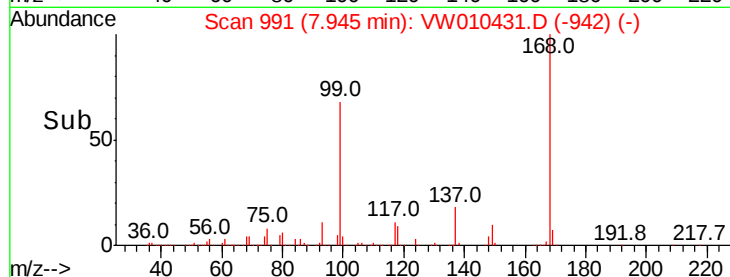
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 14.256 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010431.D

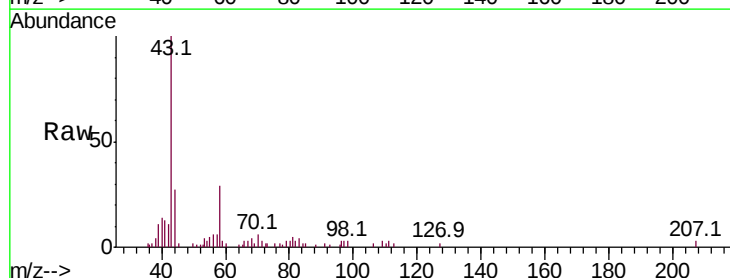
Acq: 18 May 2019 01:25

Tgt Ion: 43 Resp: 17586

Ion Ratio Lower Upper

43 100

58 29.0 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

8000

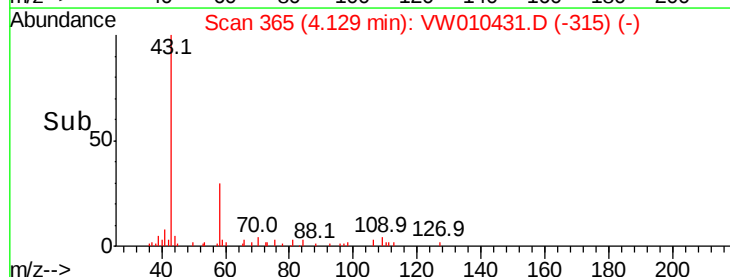
6000

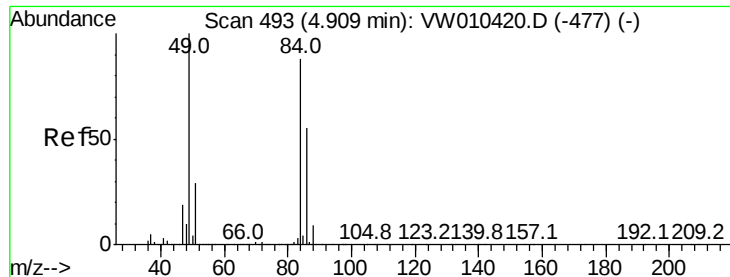
4000

2000

0

Time--> 4.05 4.10 4.15 4.20

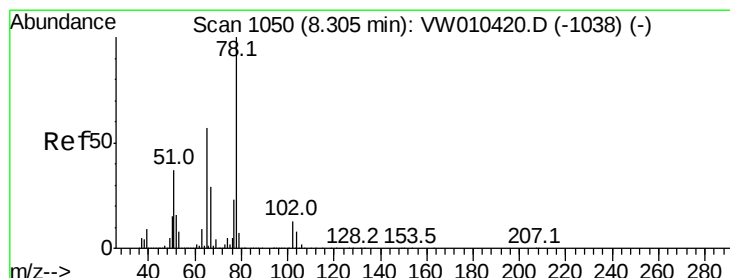
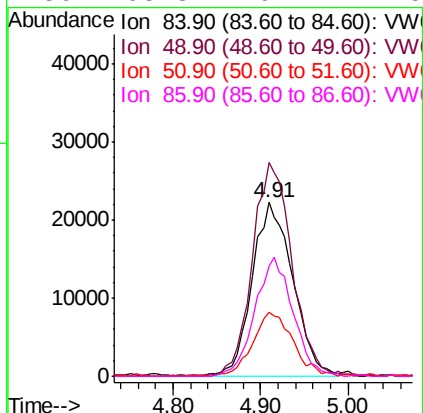
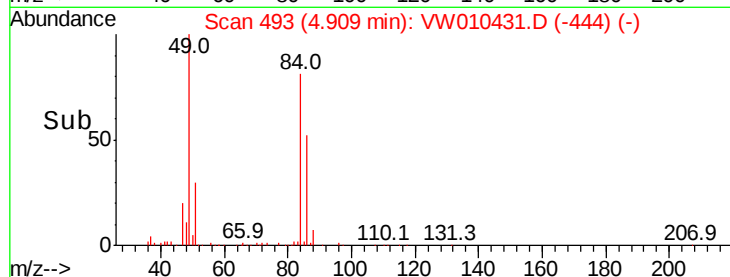
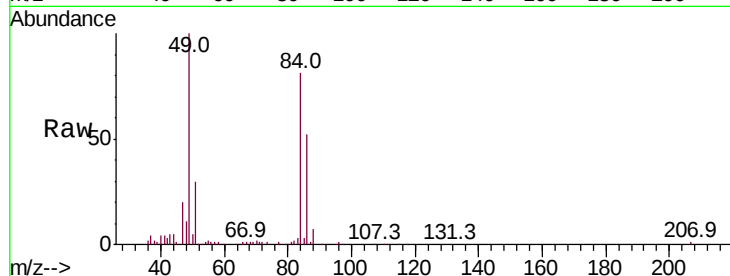




#20  
Methylene Chloride  
Concen: 7.911 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW010431.D  
Acq: 18 May 2019 01:25

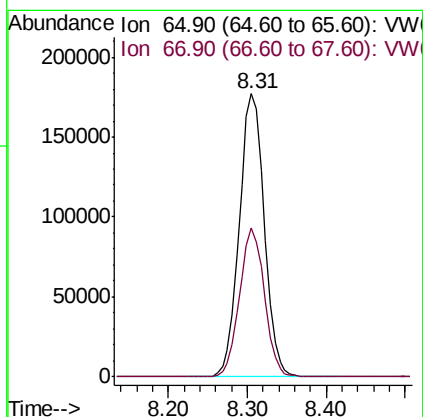
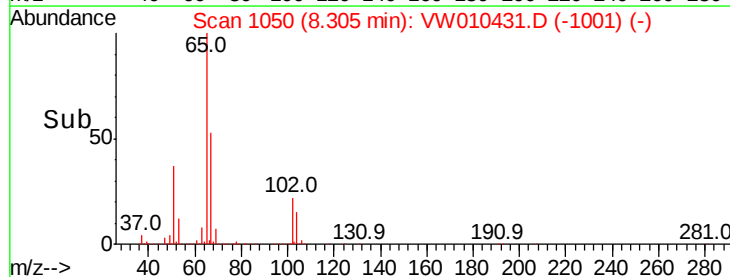
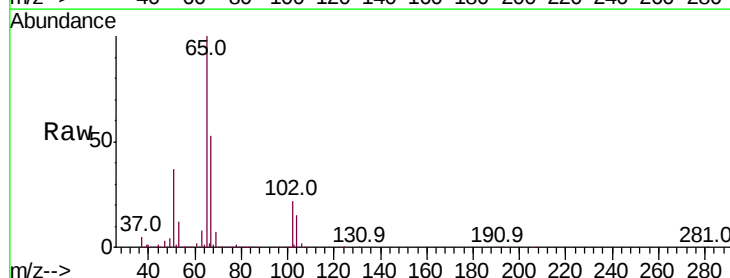
Instrument :  
MSVOA\_W  
ClientSampleId :  
FEBH-01

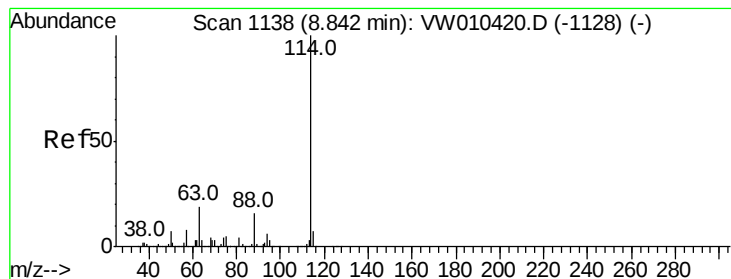
Tot Ion: 84 Resp: 72051  
Ion Ratio Lower Upper  
84 100  
49 122.9 90.6 135.8  
51 36.9 26.6 40.0  
86 63.3 49.7 74.5



#33  
1,2-Dichloroethane-d4  
Concen: 55.816 ug/l  
RT: 8.31 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW010431.D  
Acq: 18 May 2019 01:25

Tgt Ion: 65 Resp: 390883  
Ion Ratio Lower Upper  
65 100  
67 52.1 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: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA\_W

ClientSampleId :

FEBH-01

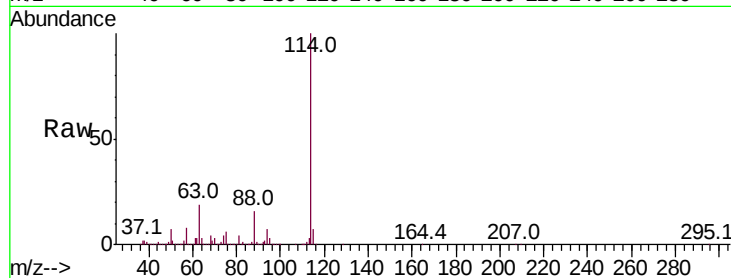
Tot Ion:114 Resp: 118537

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

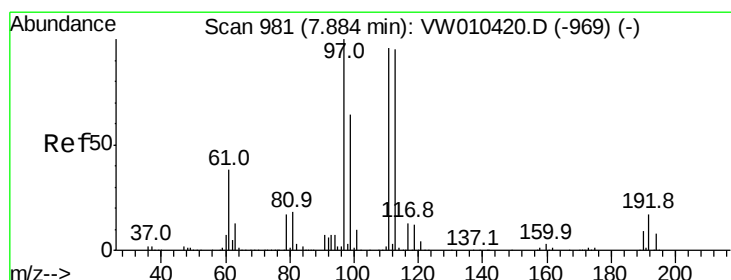
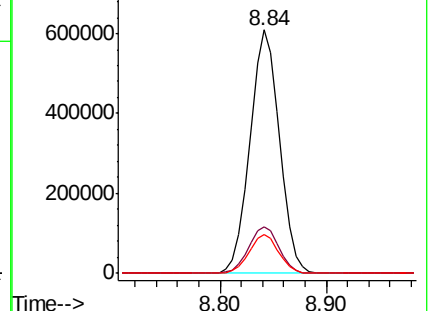
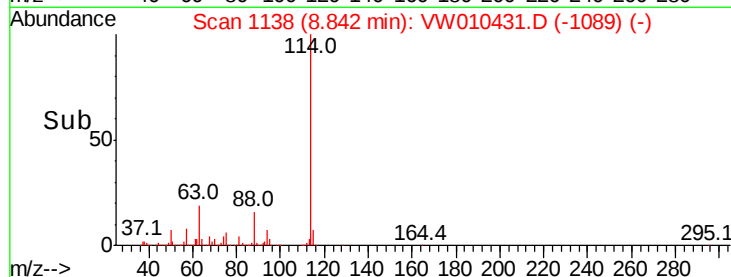
88 16.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.606 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

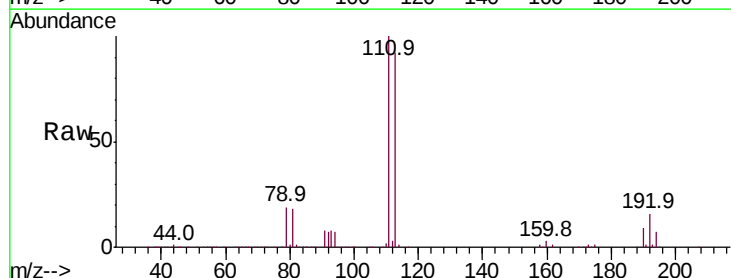
Tgt Ion:113 Resp: 370545

Ion Ratio Lower Upper

113 100

111 105.7 82.5 123.7

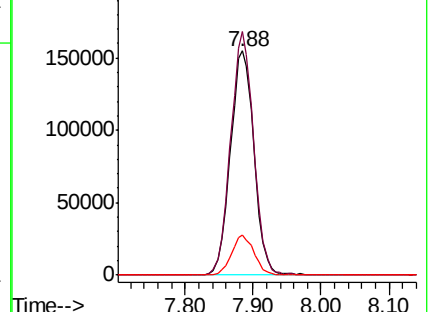
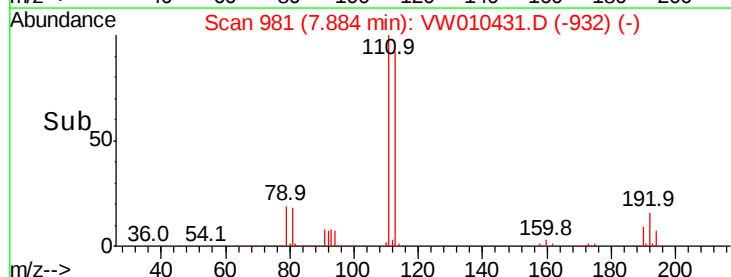
192 17.1 14.2 21.4

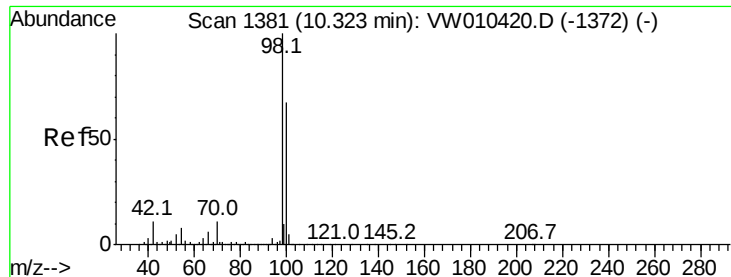


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.200 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA\_W

ClientSampleId :

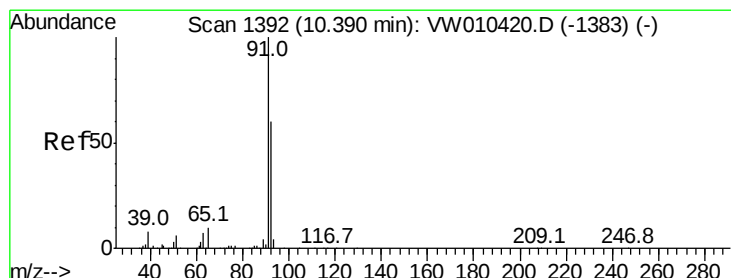
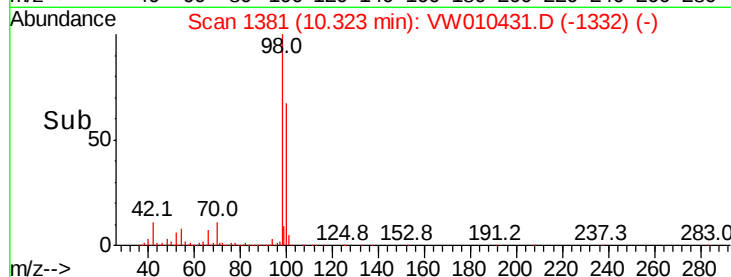
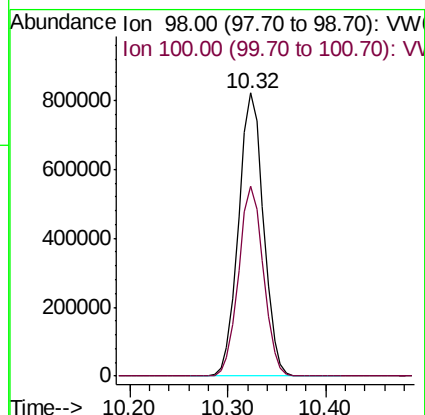
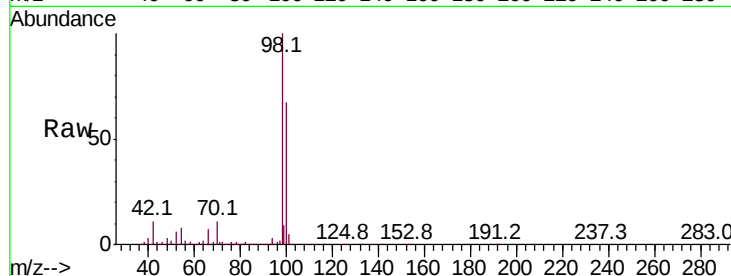
FEBH-01

Tot Ion: 98 Resp: 1452636

Ion Ratio Lower Upper

98 100

100 66.7 53.3 79.9



#52

Toluene

Concen: 5.403 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010431.D

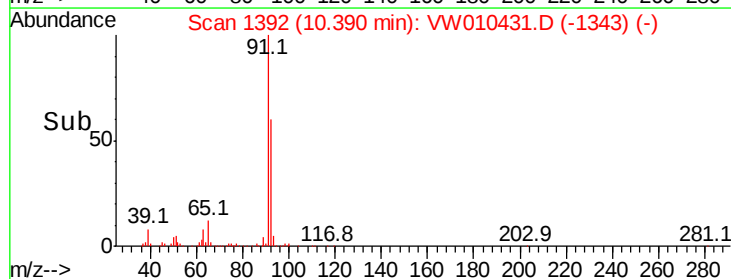
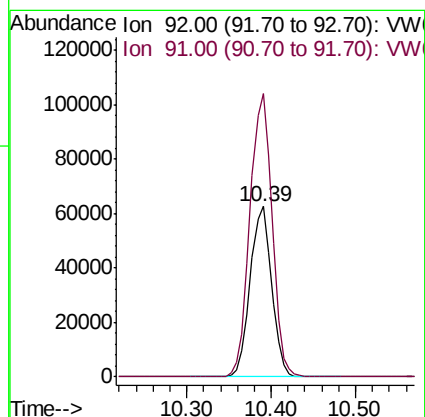
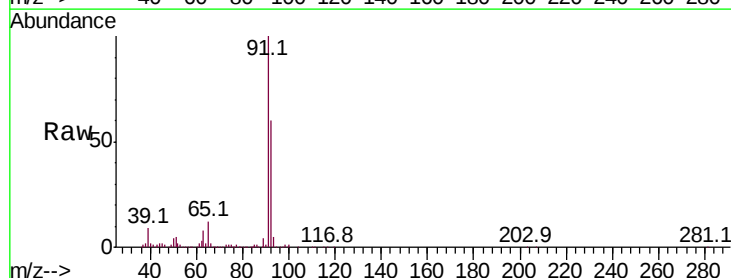
Acq: 18 May 2019 01:25

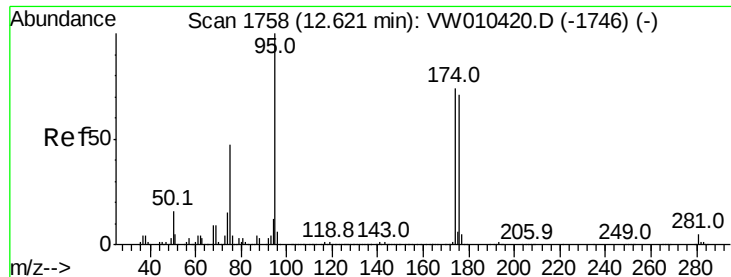
Tgt Ion: 92 Resp: 107496

Ion Ratio Lower Upper

92 100

91 170.4 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 49.235 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA\_W

ClientSampled :

FEBH-01

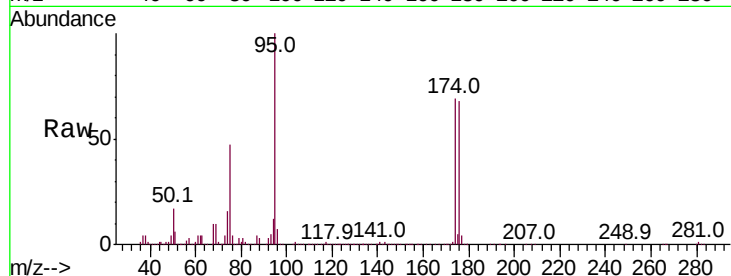
Tot Ion: 95 Resp: 527813

Ion Ratio Lower Upper

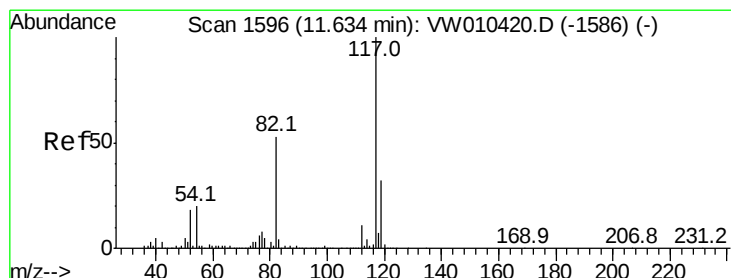
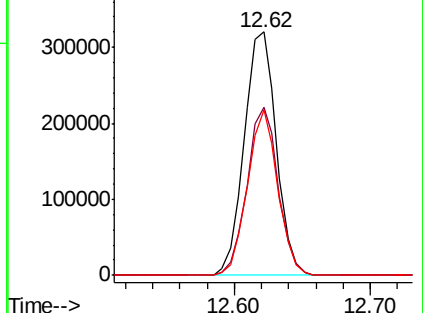
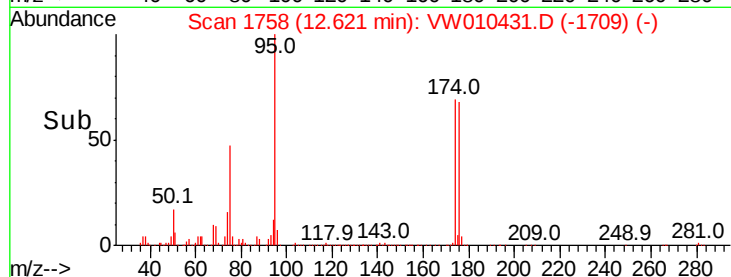
95 100

174 67.4 0.0 146.6

176 64.2 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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

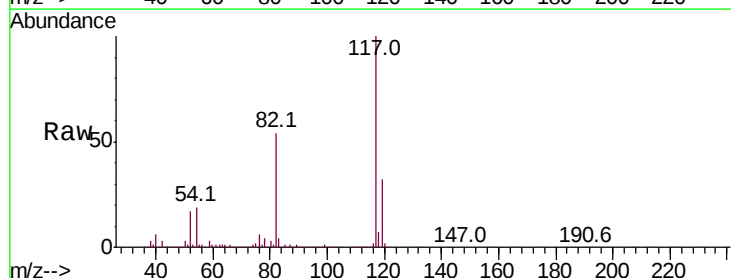
Tgt Ion: 117 Resp: 1028779

Ion Ratio Lower Upper

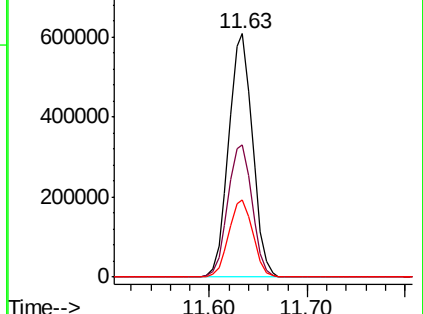
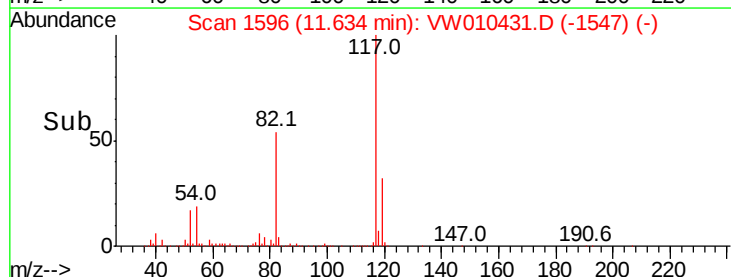
117 100

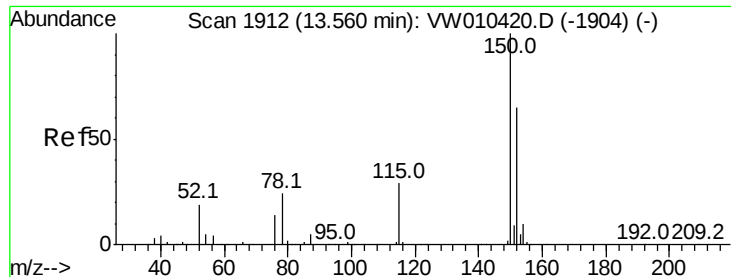
82 54.2 42.1 63.1

119 31.8 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
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: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA\_W

ClientSampleId :

FEBH-01

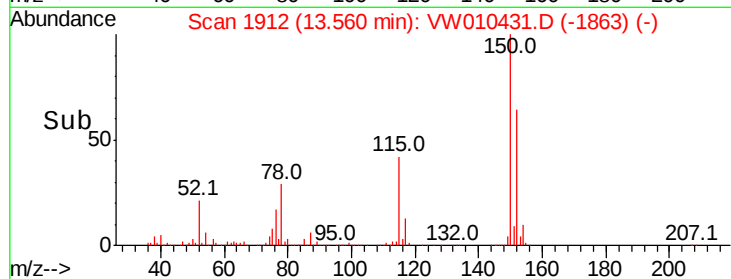
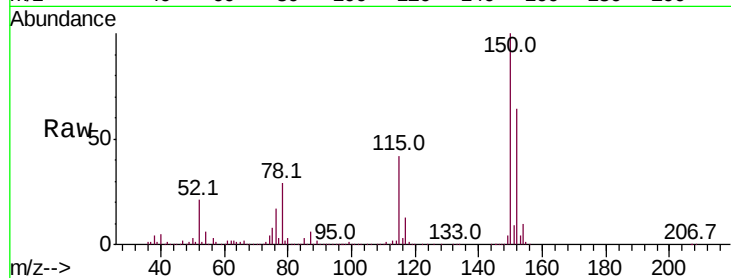
Tot Ion:152 Resp: 433757

Ion Ratio Lower Upper

152 100

115 64.9 30.0 90.1

150 155.7 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

