

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\  
 Data File : VW005632.D  
 Acq On : 26 Sep 2018 02:29  
 Operator : VA/AP  
 Sample : J4770-01RE  
 Misc : 6.68G/5ML/MSVOA W/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-02-092118-ARE

Quant Time: Sep 26 06:58:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W092118S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 09:05:42 2018  
 Response via : Initial Calibration

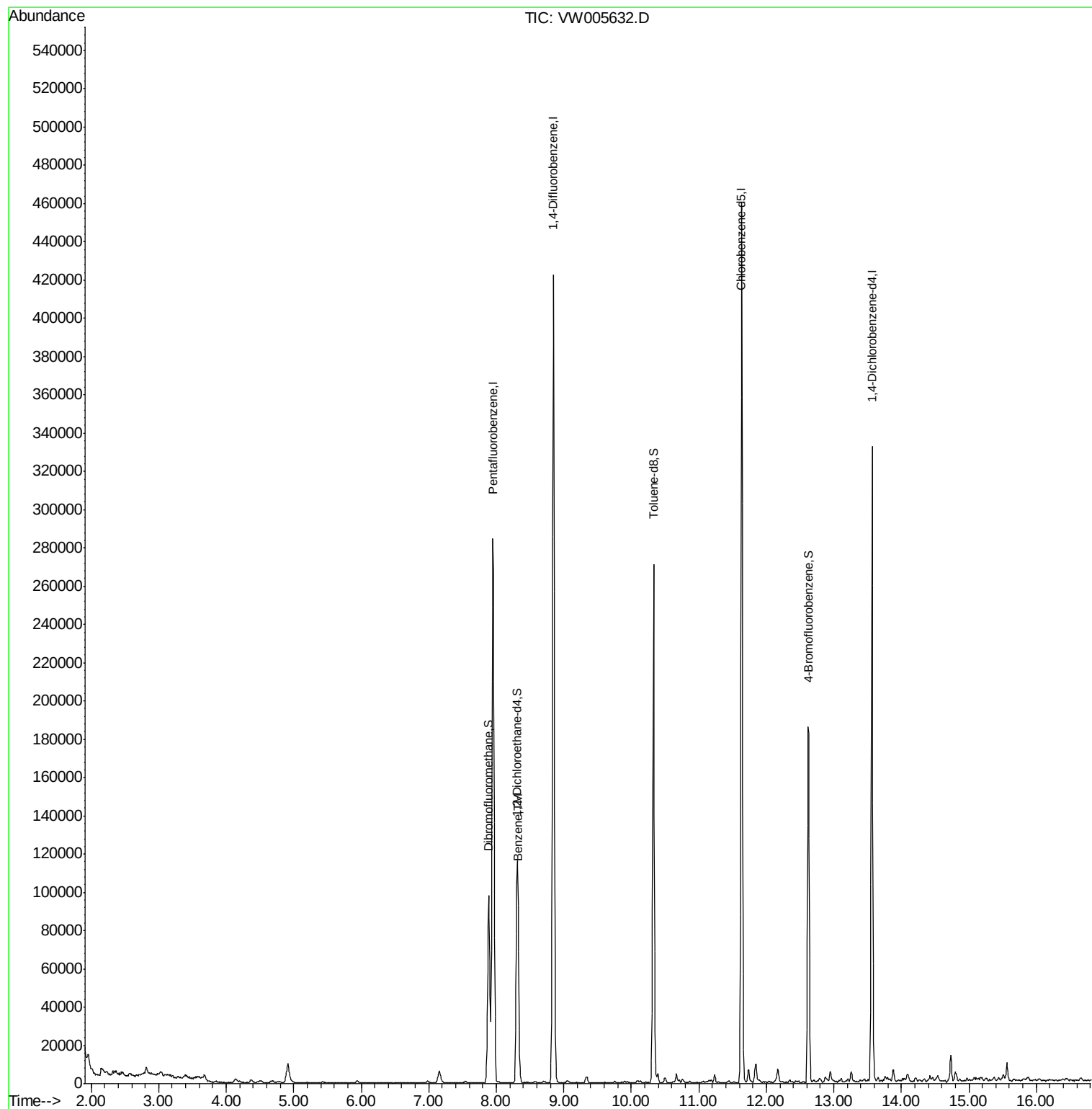
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 205413   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 344175   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 252861   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 88443    | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 85140    | 35.18 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 70.36% |           |
| 35) Dibromofluoromethane    | 7.89  | 113  | 69154    | 31.95 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 63.90% |           |
| 50) Toluene-d8              | 10.33 | 98   | 177168   | 20.10 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 40.20% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 60273    | 18.48 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 36.96% |           |
| Target Compounds            |       |      |          |       |        |           |
| 40) Benzene                 | 8.33  | 78   | 25690    | 2.617 | ug/l   | Qvalue 99 |

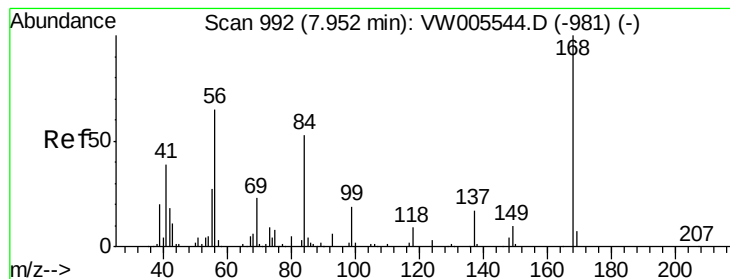
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092518\  
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Quant Title : SW846 8260  
QLast Update : Fri Sep 21 09:05:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005632.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA\_W

ClientSampleId :

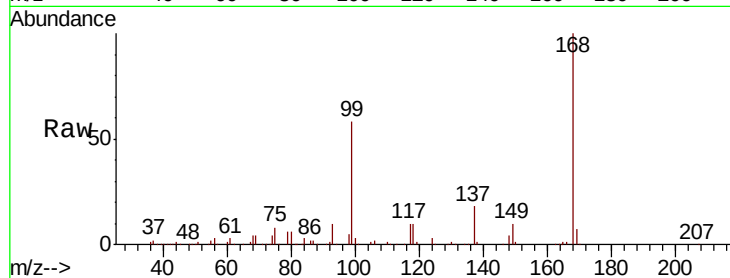
JC-02-092118-ARE

Tot Ion:168 Resp: 205413

Ion Ratio Lower Upper

168 100

99 58.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

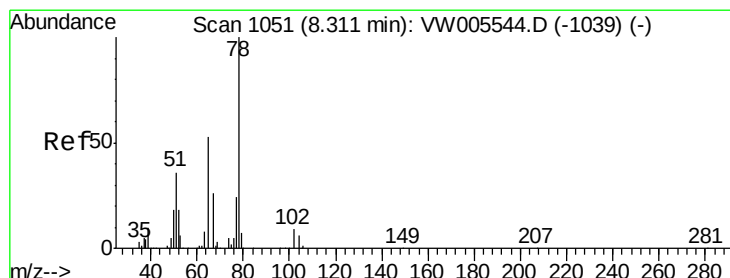
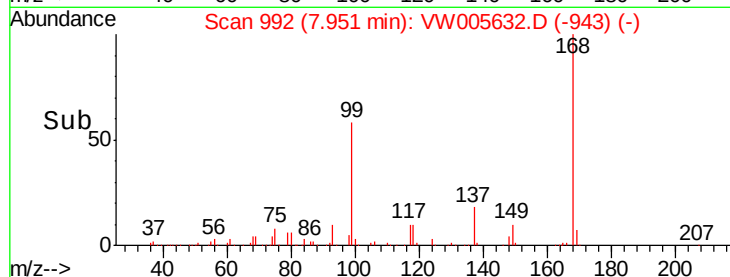
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 35.183 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005632.D

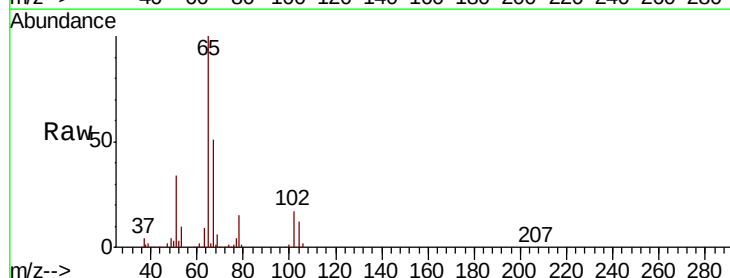
Acq: 26 Sep 2018 02:29

Tgt Ion: 65 Resp: 85140

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

40000

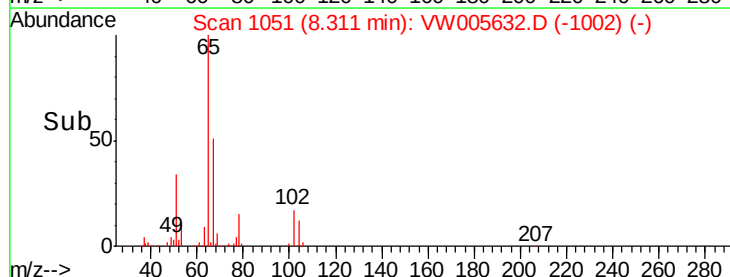
30000

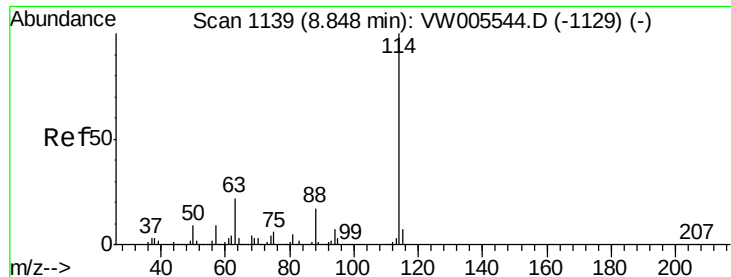
20000

10000

0

Time-->

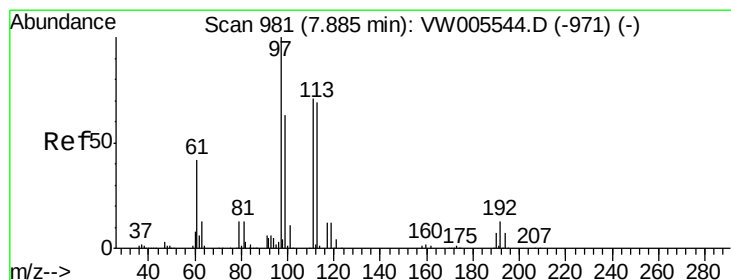
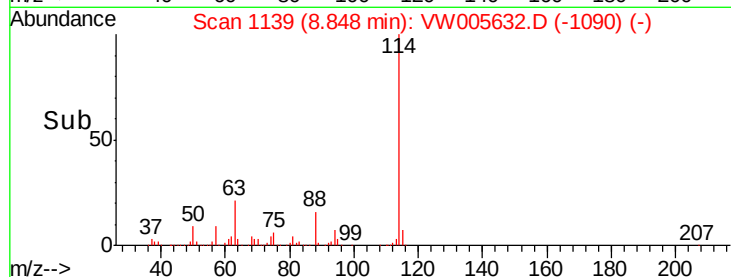
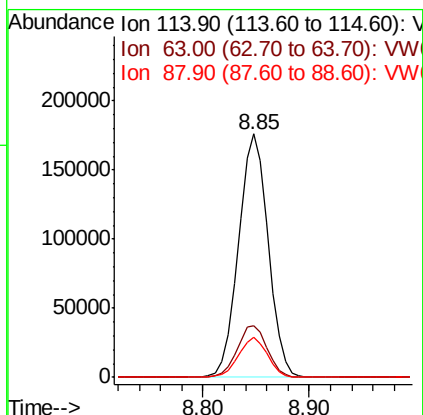
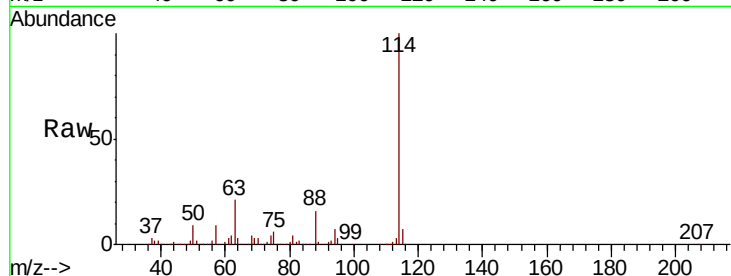




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005632.D  
 Acq: 26 Sep 2018 02:29

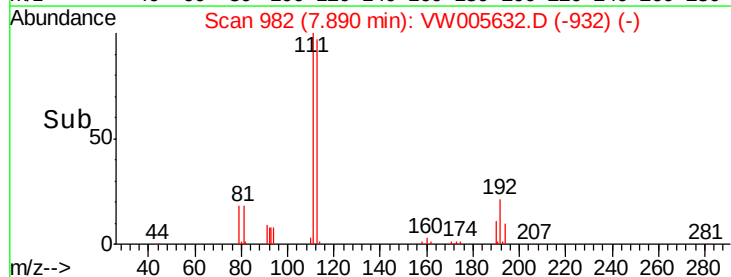
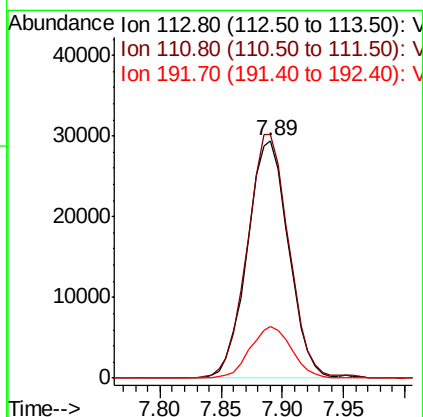
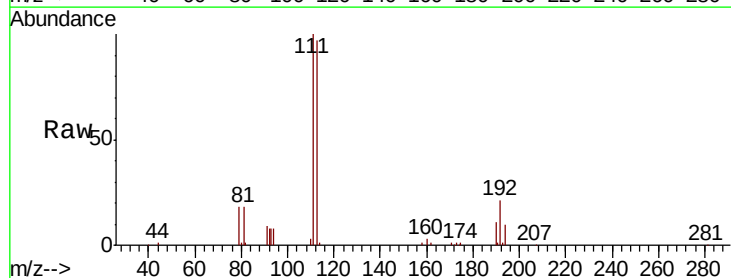
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-02-092118-ARE

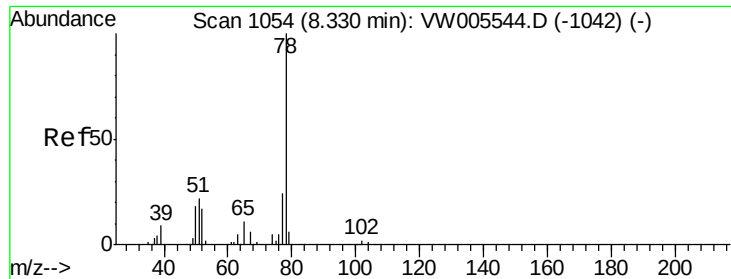
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.0  | 0.0   | 43.0  |
| 88      | 16.2  | 0.0   | 33.0  |



#35  
 Dibromofluoromethane  
 Concen: 31.951 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.01 min  
 Lab File: VW005632.D  
 Acq: 26 Sep 2018 02:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.7 | 82.6  | 123.8 |
| 192     | 21.7  | 17.0  | 25.4  |





#40

Benzene

Concen: 2.617 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005632.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA\_W

ClientSampleId :

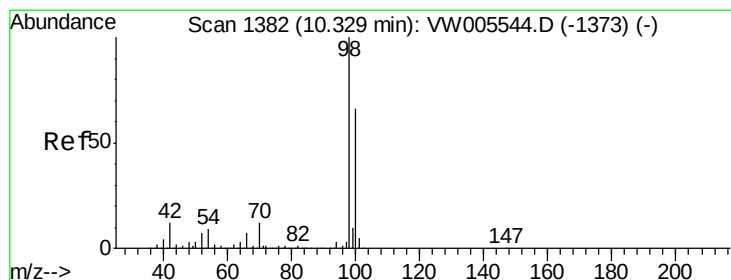
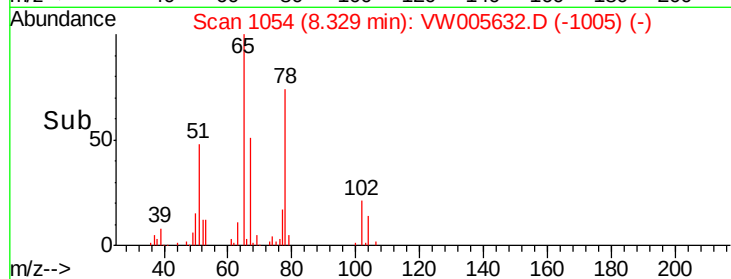
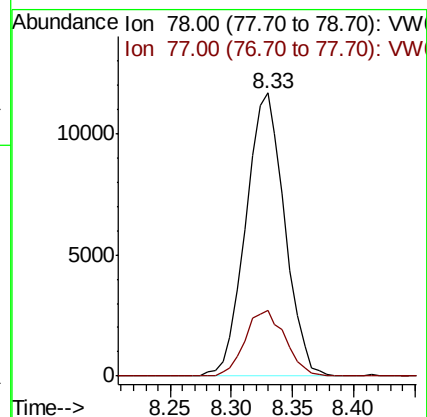
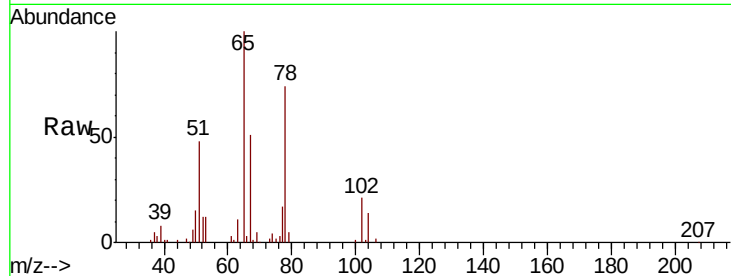
JC-02-092118-ARE

Tot Ion: 78 Resp: 25690

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.4



#50

Toluene-d8

Concen: 20.103 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005632.D

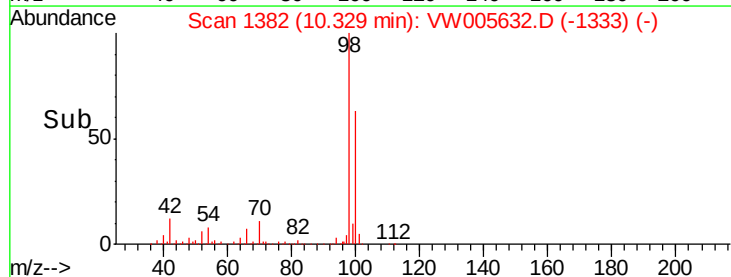
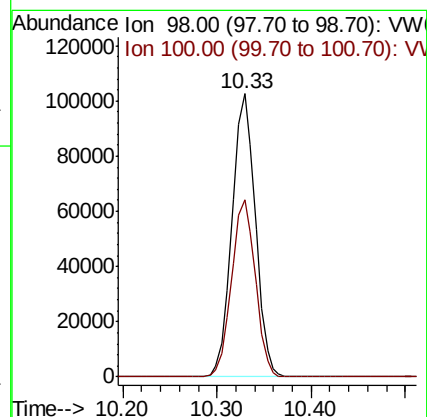
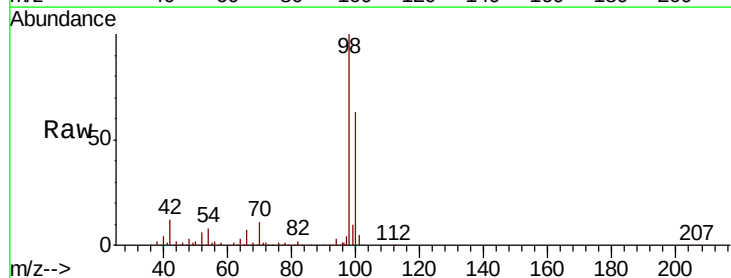
Acq: 26 Sep 2018 02:29

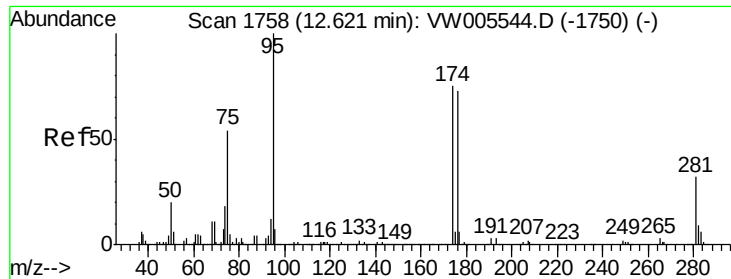
Tgt Ion: 98 Resp: 177168

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 18.483 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005632.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA\_W

ClientSampleId :

JC-02-092118-ARE

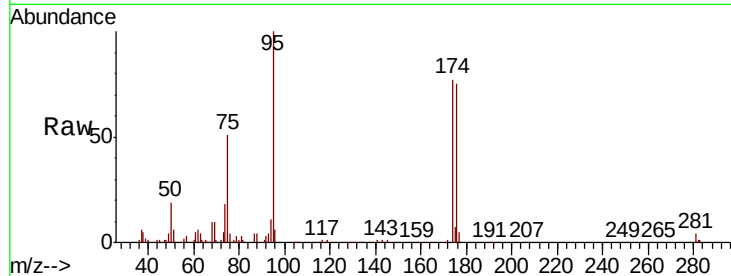
Tot Ion: 95 Resp: 60273

Ion Ratio Lower Upper

95 100

174 83.3 0.0 163.8

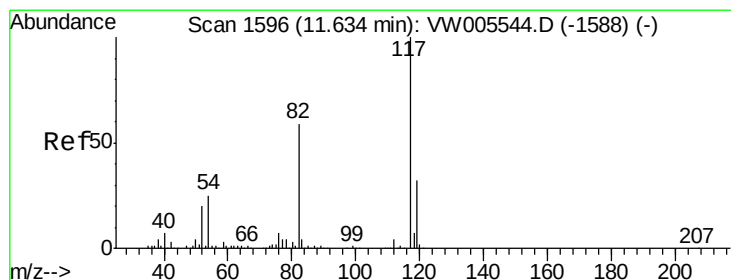
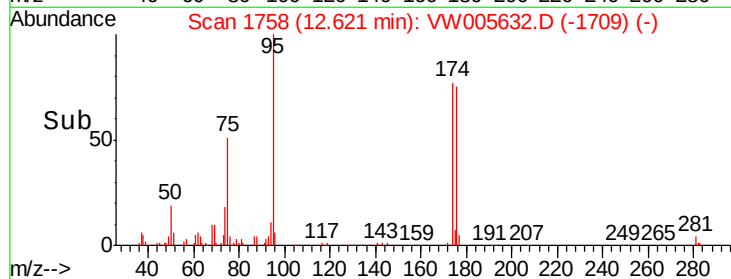
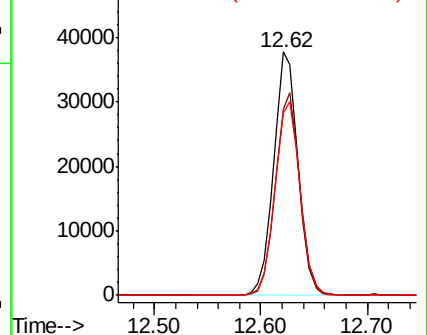
176 81.4 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW005632.D

Acq: 26 Sep 2018 02:29

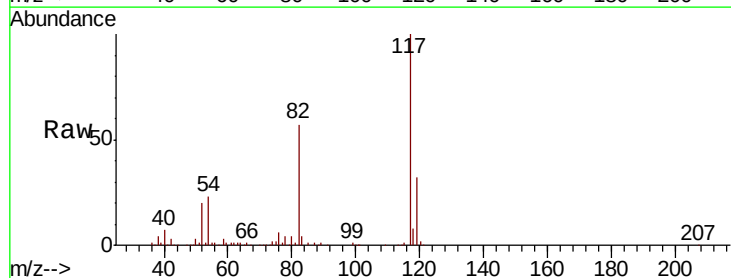
Tgt Ion: 117 Resp: 252861

Ion Ratio Lower Upper

117 100

82 56.8 46.9 70.3

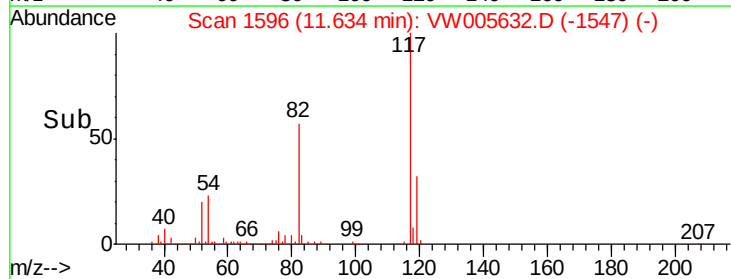
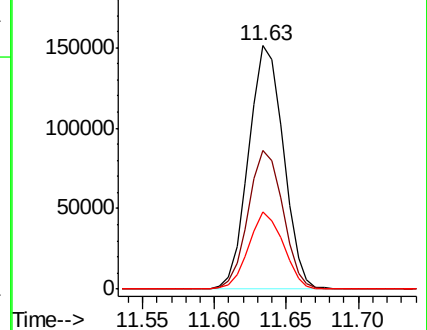
119 31.7 25.7 38.5

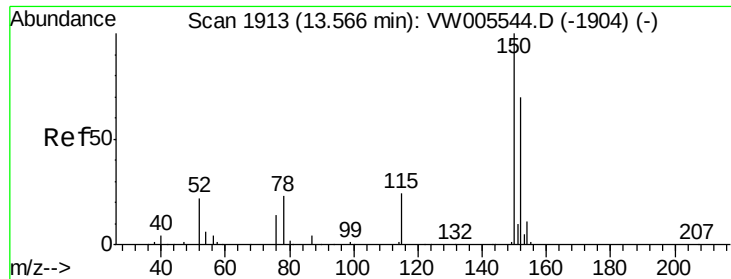


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005632.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA\_W

ClientSampleId :

JC-02-092118-ARE

Tot Ion:152 Resp: 88443

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

150 159.6 0.0 348.6

