

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101718\  
 Data File : VW006125.D  
 Acq On : 17 Oct 2018 14:45  
 Operator : VA/AP  
 Sample : J5526-06  
 Misc : 5.73G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SUP-4B-G-101518-6

Quant Time: Oct 18 17:03:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 16 05:36:33 2018  
 Response via : Initial Calibration

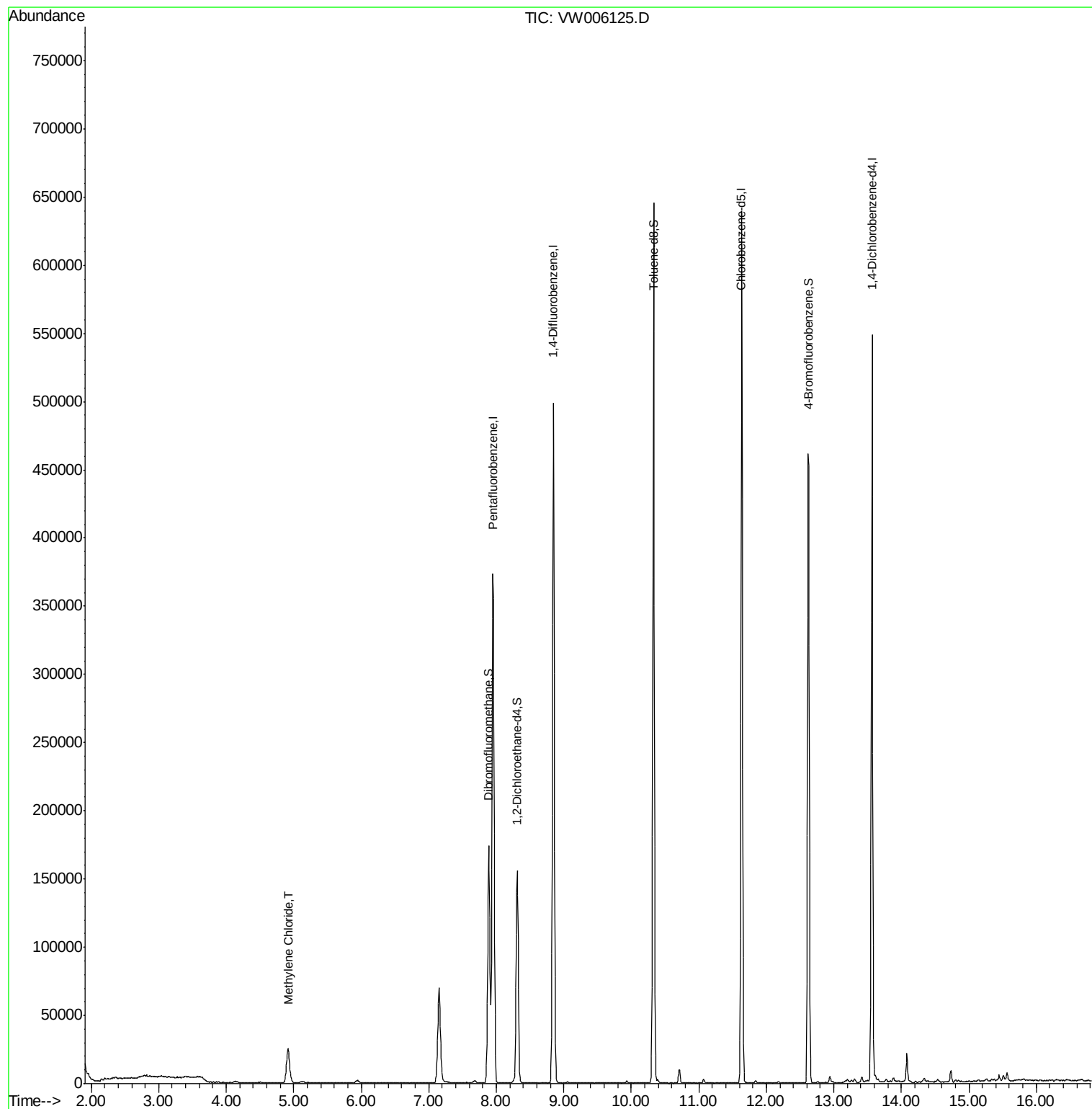
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 305554   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 434205   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 365142   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 150596   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 122948   | 48.53 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.06% |           |
| 35) Dibromofluoromethane    | 7.89  | 113  | 120653   | 47.03 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.06% |           |
| 50) Toluene-d8              | 10.33 | 98   | 424553   | 43.49 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.98% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 138164   | 37.69 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 75.38% |           |
| Target Compounds            |       |      |          |       |        |           |
| 20) Methylene Chloride      | 4.92  | 84   | 20236    | 6.121 | ug/l   | Qvalue 98 |

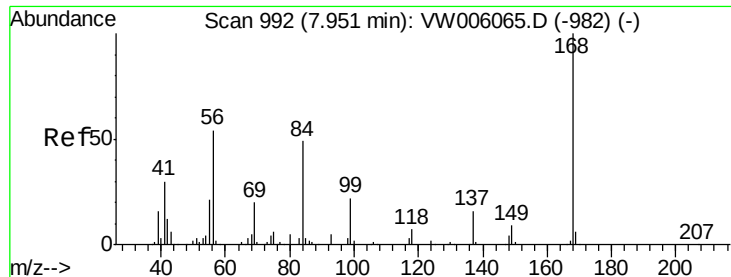
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101718\  
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SUP-4B-G-101518-6

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Quant Title : SW846 8260  
QLast Update : Tue Oct 16 05:36:33 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: VW006125.D

Acq: 17 Oct 2018 14:45

Instrument :

MSVOA\_W

ClientSampleId :

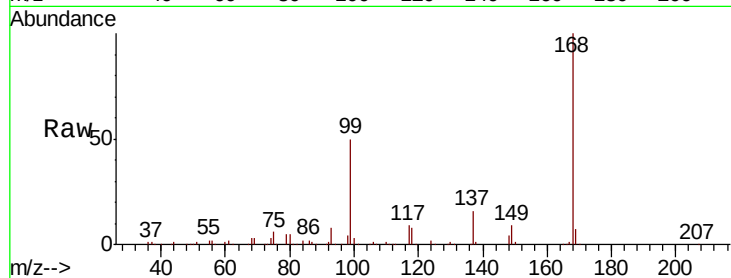
SUP-4B-G-101518-6

Tot Ion:168 Resp: 305554

Ion Ratio Lower Upper

168 100

99 50.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

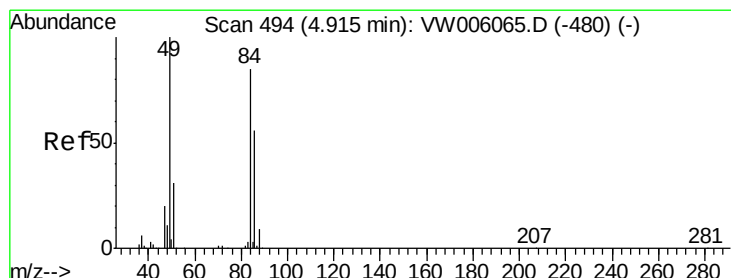
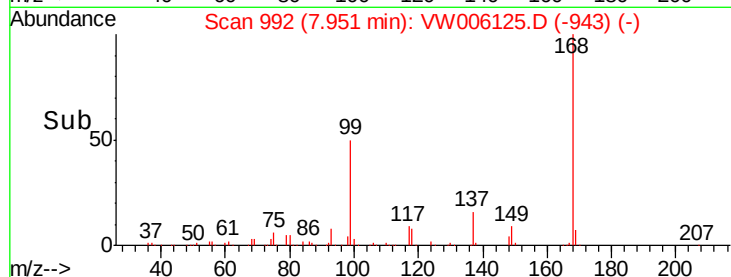
100000

50000

0

7.90 8.00 8.10

Time-->



#20

Methylene Chloride

Concen: 6.121 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006125.D

Acq: 17 Oct 2018 14:45

Tgt Ion: 84 Resp: 20236

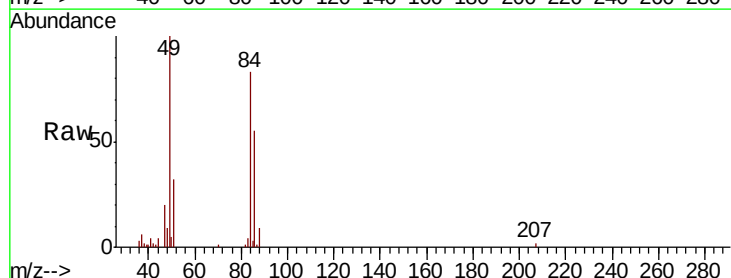
Ion Ratio Lower Upper

84 100

49 120.3 93.6 140.4

51 38.6 29.0 43.4

86 66.2 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.92

10000

8000

6000

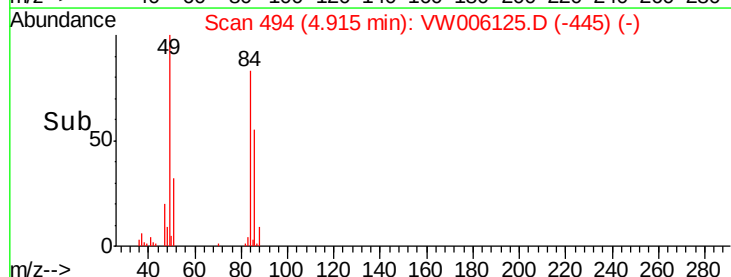
4000

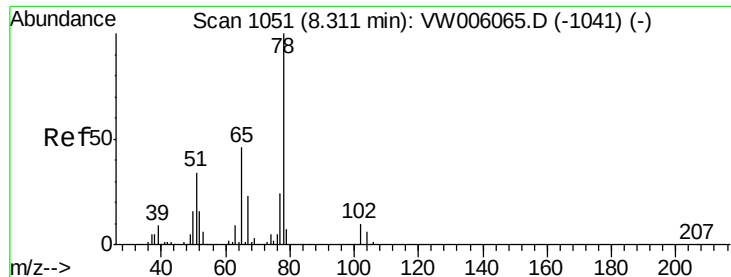
2000

0

4.80 4.90 5.00

Time-->

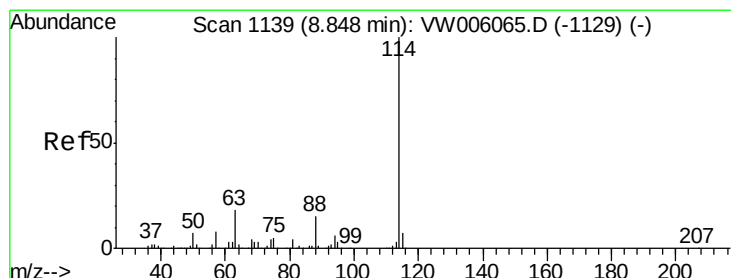
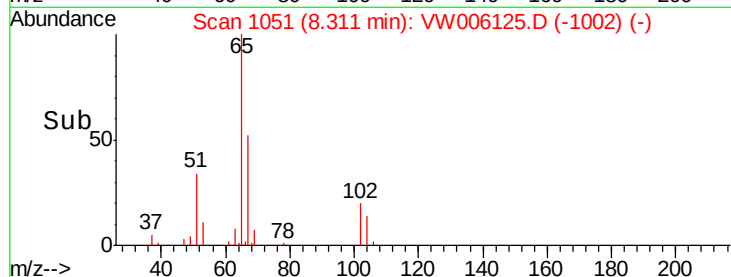
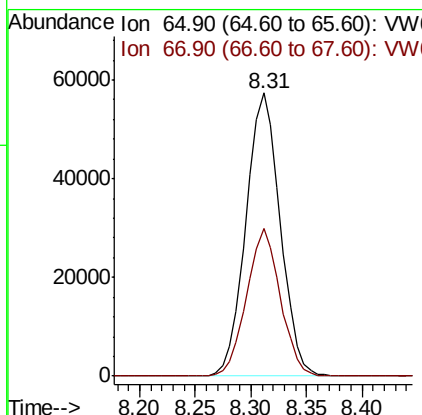
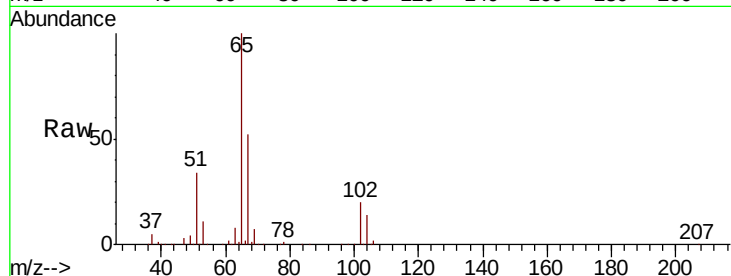




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.534 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW006125.D  
 Acq: 17 Oct 2018 14:45

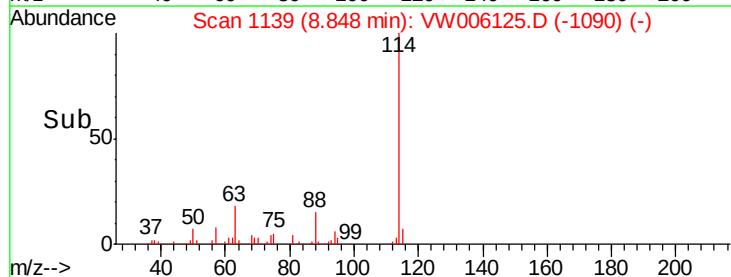
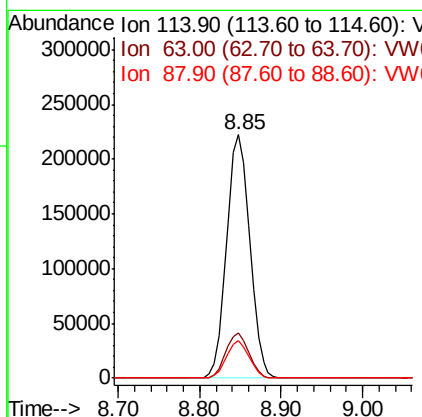
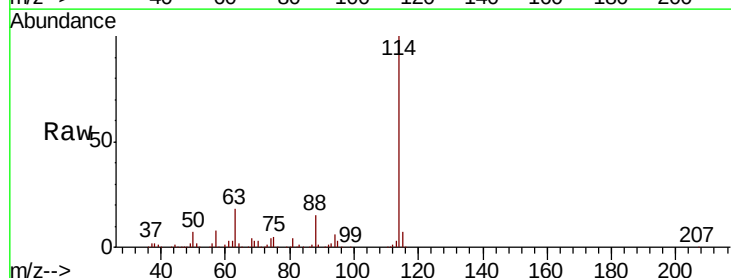
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SUP-4B-G-101518-6

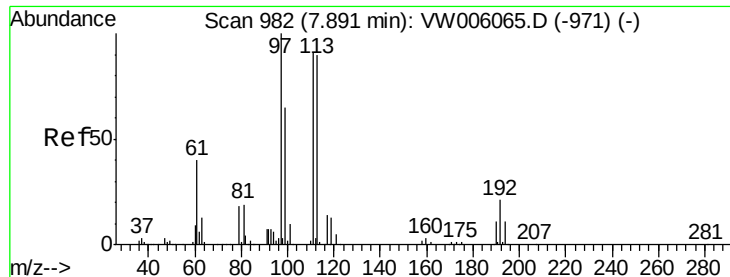
Tot Ion: 65 Resp: 122948  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 101.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006125.D  
 Acq: 17 Oct 2018 14:45

Tgt Ion: 114 Resp: 434205  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 36.8  
 88 15.2 0.0 29.0

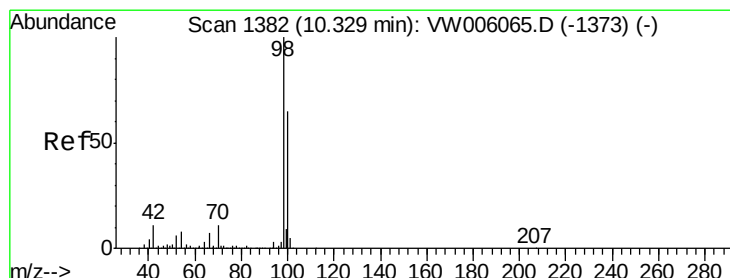
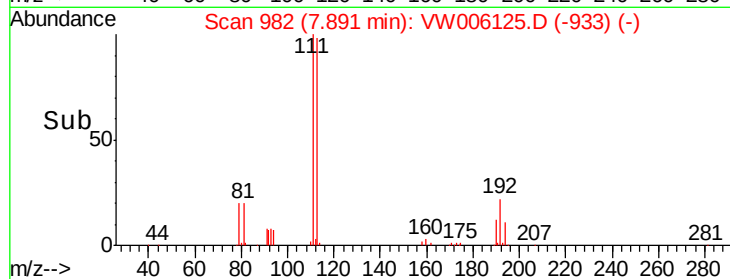
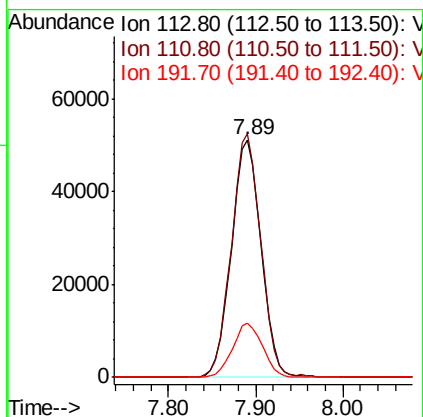
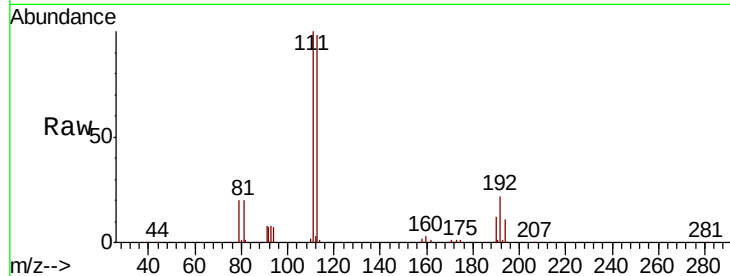




#35  
 Dibromofluoromethane  
 Concen: 47.025 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW006125.D  
 Acq: 17 Oct 2018 14:45

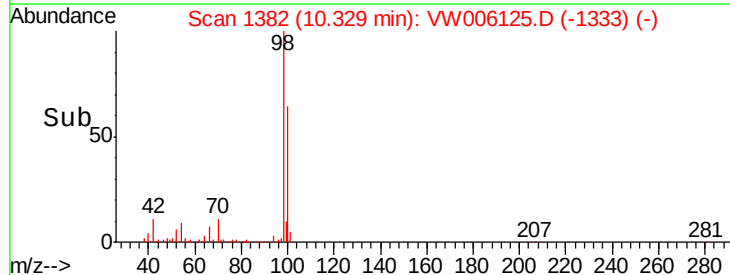
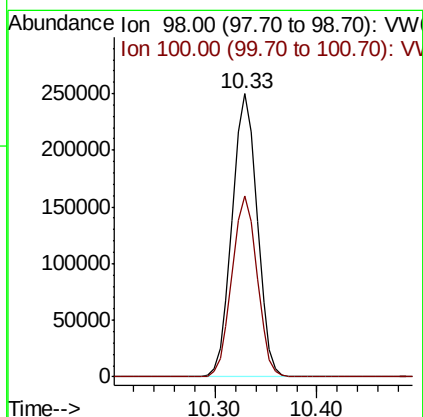
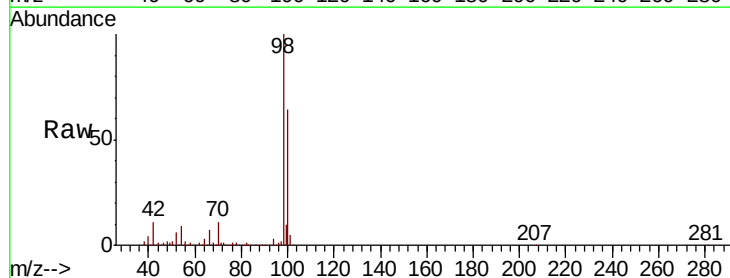
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SUP-4B-G-101518-6

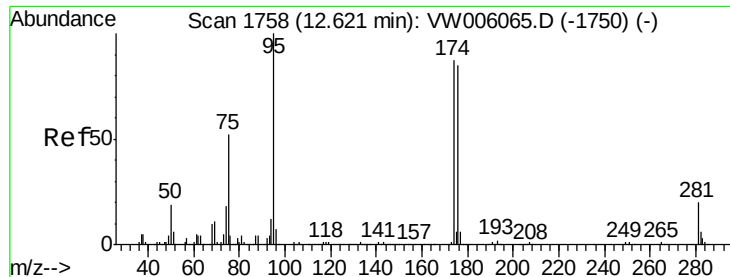
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 81.4  | 122.0 |
| 192     | 23.0  | 18.7  | 28.1  |



#50  
 Toluene-d8  
 Concen: 43.494 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. -0.00 min  
 Lab File: VW006125.D  
 Acq: 17 Oct 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 51.6  | 77.4  |





#62

4-Bromofluorobenzene

Concen: 37.686 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006125.D

Acq: 17 Oct 2018 14:45

Instrument :

MSVOA\_W

ClientSampleId :

SUP-4B-G-101518-6

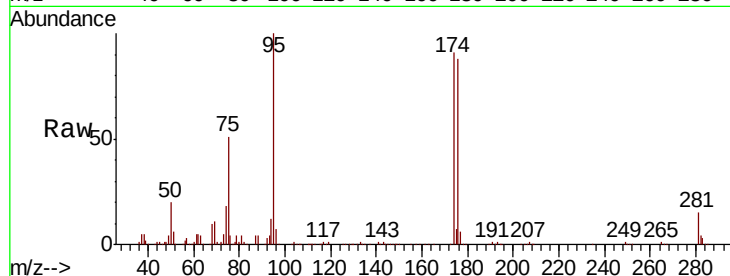
Tot Ion: 95 Resp: 138164

Ion Ratio Lower Upper

95 100

174 94.7 0.0 186.0

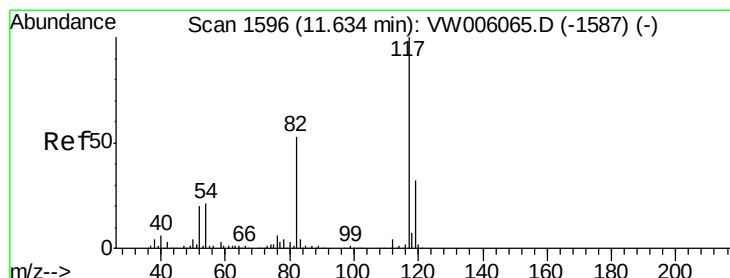
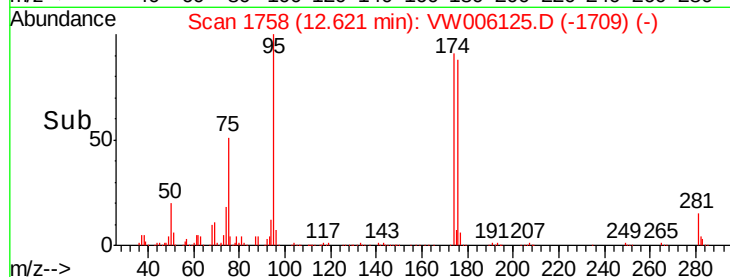
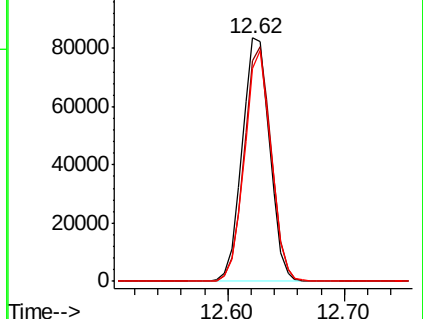
176 91.9 0.0 181.6



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: VW006125.D

Acq: 17 Oct 2018 14:45

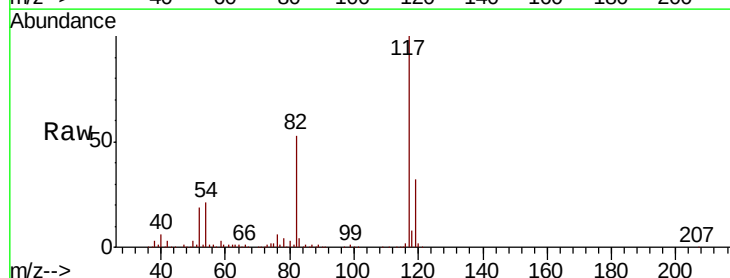
Tgt Ion: 117 Resp: 365142

Ion Ratio Lower Upper

117 100

82 53.2 42.1 63.1

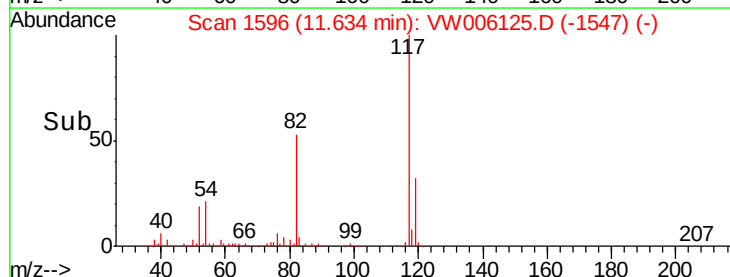
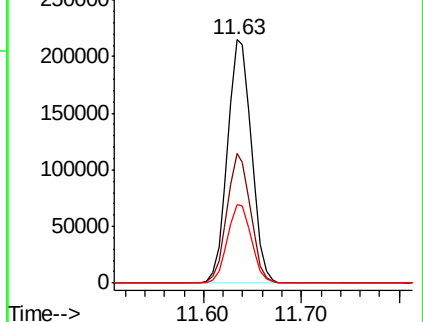
119 32.5 25.8 38.6

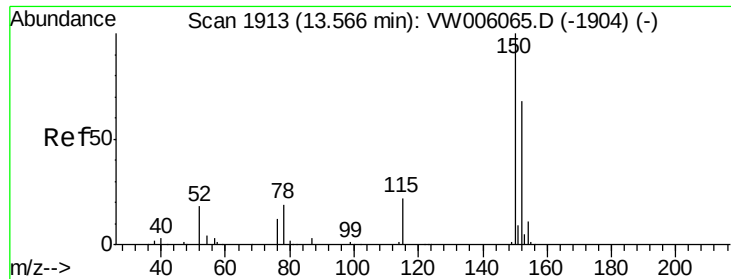


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW006125.D

Acq: 17 Oct 2018 14:45

Instrument :

MSVOA\_W

ClientSampleId :

SUP-4B-G-101518-6

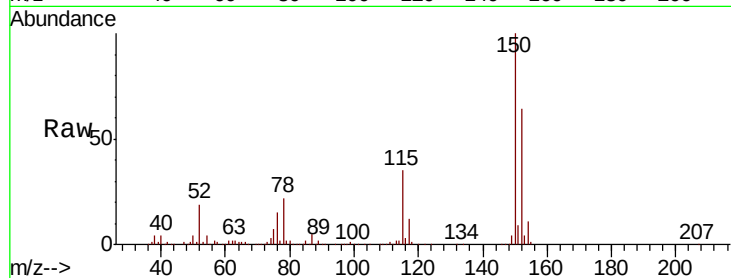
Tot Ion:152 Resp: 150596

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.3

150 157.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

200000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

