

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080319\  
 Data File : VW011650.D  
 Acq On : 03 Aug 2019 05:35  
 Operator : SY/VA  
 Sample : K4131-17  
 Misc : 5.34G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 1S-E1-(30)

Quant Time: Aug 04 01:06:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

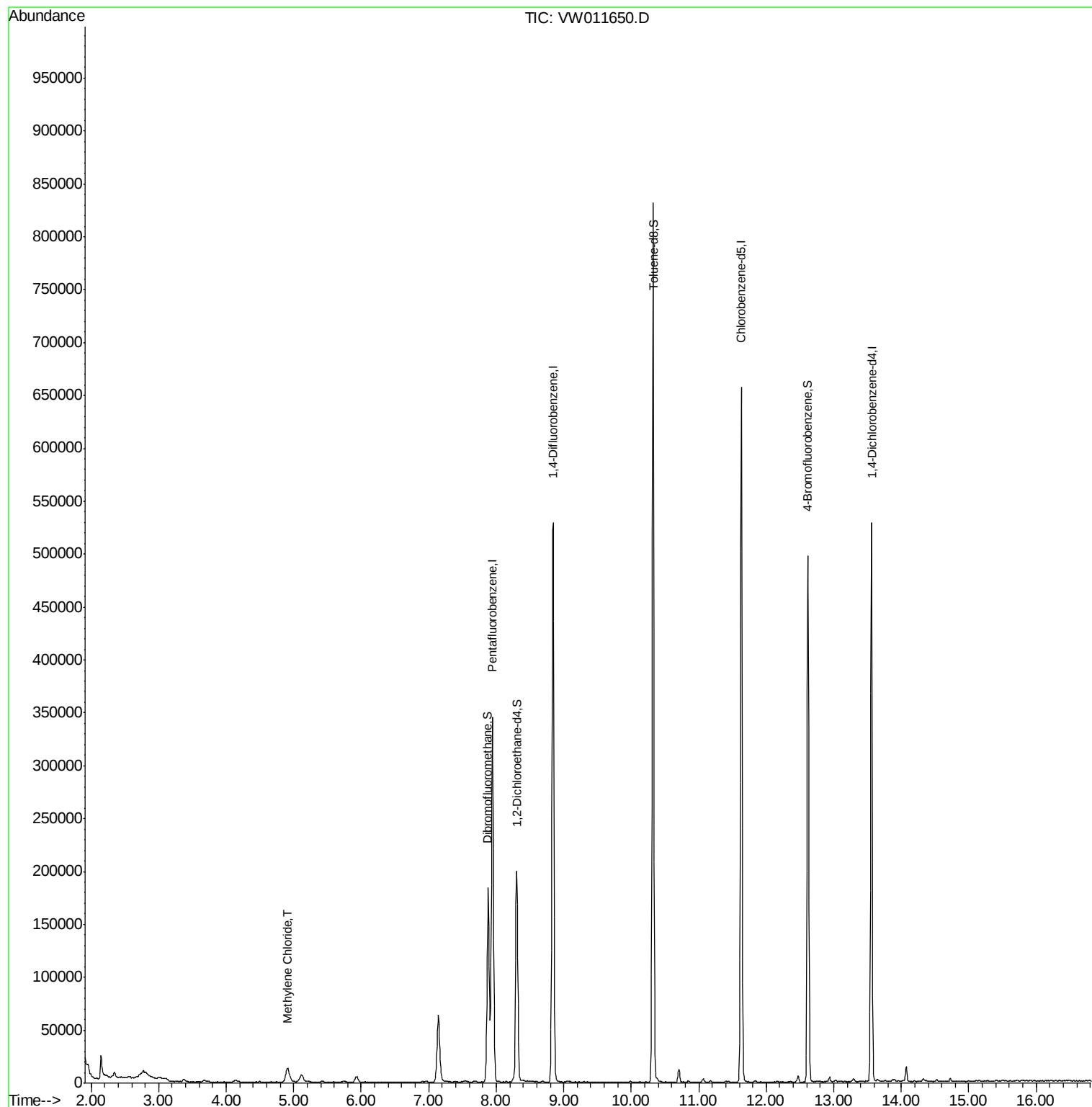
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 251264   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 420159   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 343910   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 133591   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 162510   | 56.33 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.66% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 129633   | 55.00 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.00% |           |
| 50) Toluene-d8              | 10.32 | 98   | 512990   | 53.15 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.30% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 160182   | 46.55 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.10%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.92  | 84   | 10144    | 3.205 | ug/l    | Qvalue 96 |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080319\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 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: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA\_W

ClientSampleId :

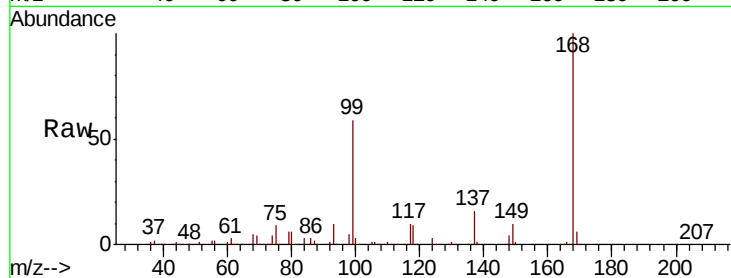
1S-E1-(30)

Tot Ion:168 Resp: 251264

Ion Ratio Lower Upper

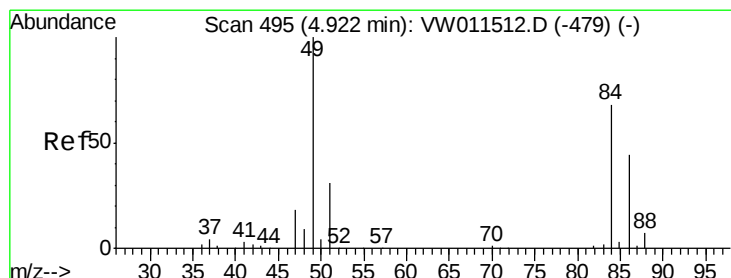
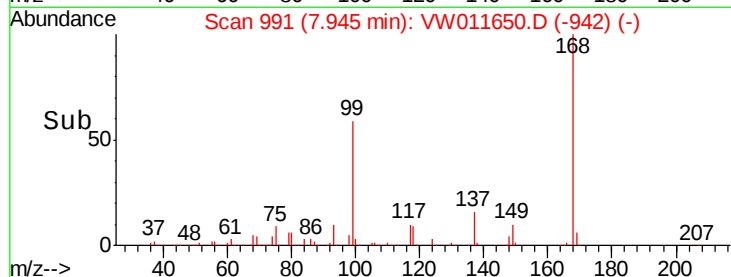
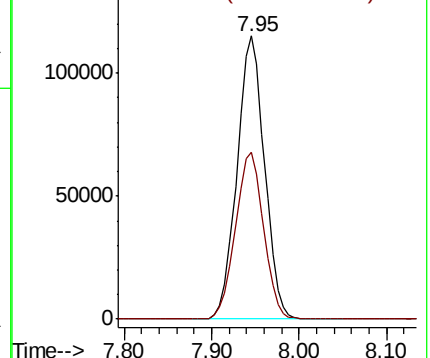
168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 3.205 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

Tgt Ion: 84 Resp: 10144

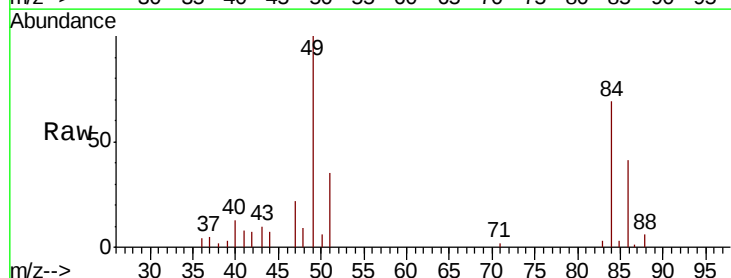
Ion Ratio Lower Upper

84 100

49 144.4 117.8 176.6

51 50.5 37.0 55.4

86 59.5 51.8 77.8

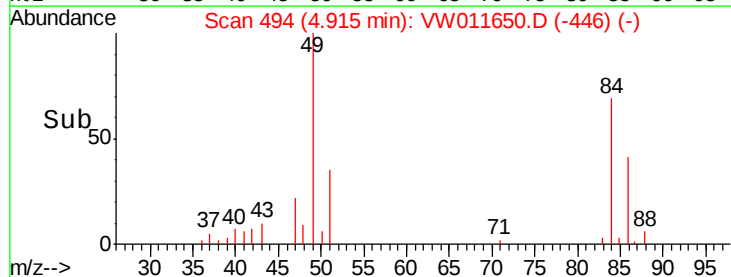
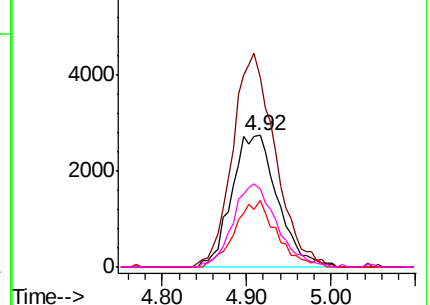


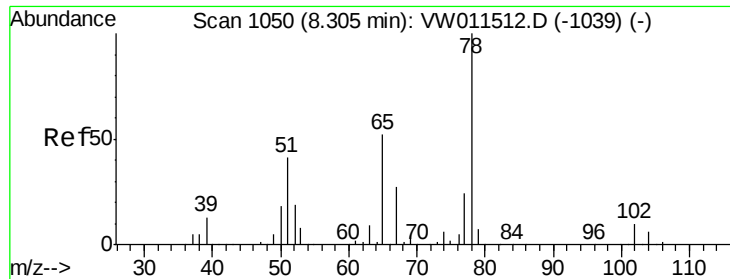
Abundance Ion 83.90 (83.60 to 84.60): VW

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

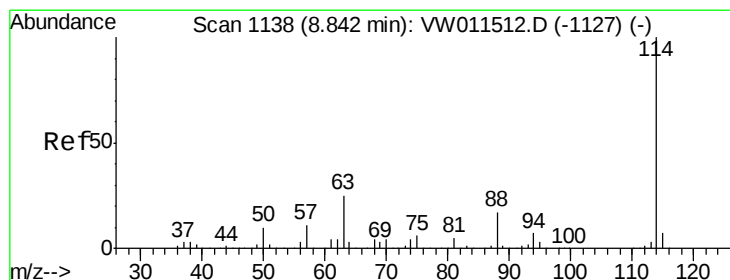
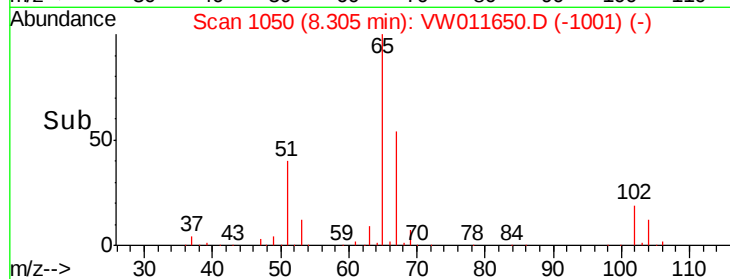
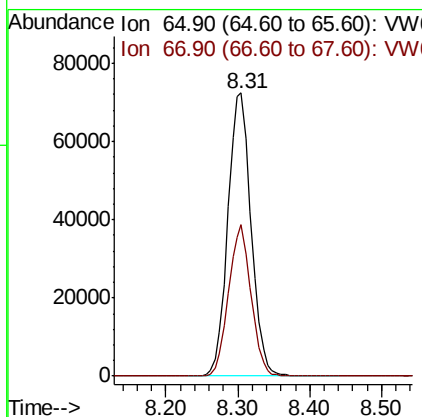
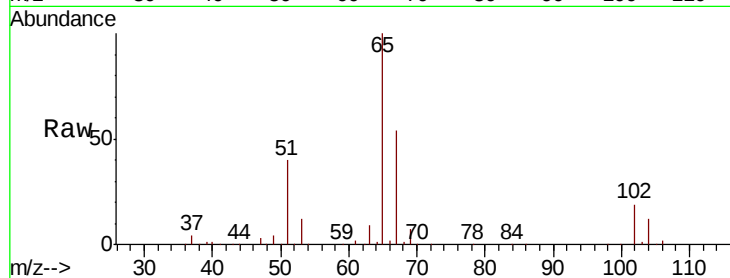




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.325 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW011650.D  
 Acq: 03 Aug 2019 05:35

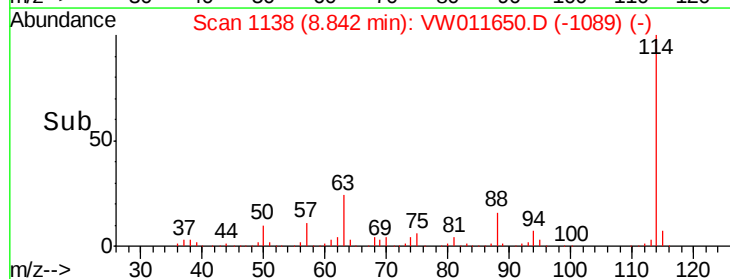
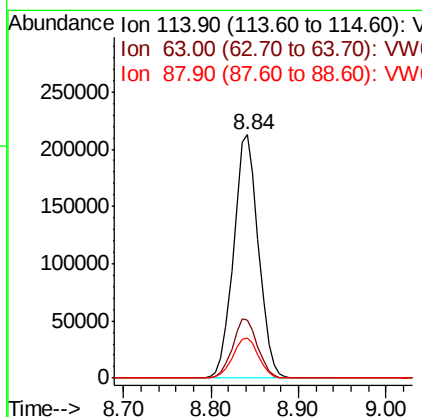
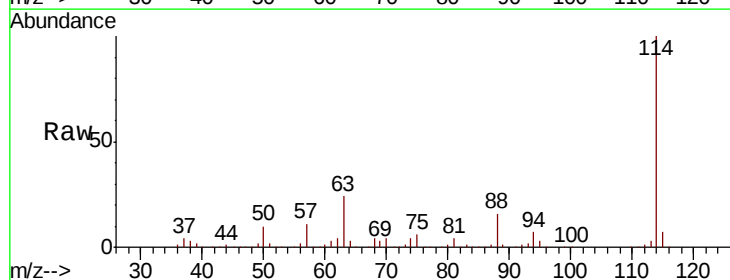
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 1S-E1-(30)

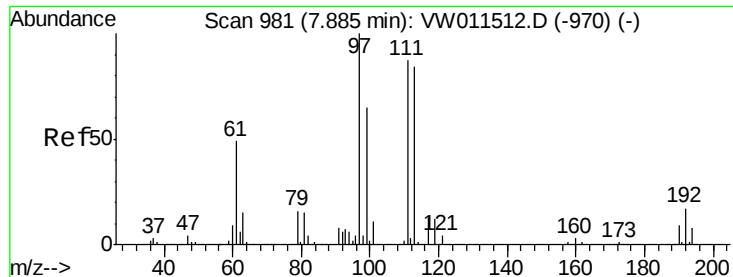
Tot Ion: 65 Resp: 162510  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011650.D  
 Acq: 03 Aug 2019 05:35

Tgt Ion: 114 Resp: 420159  
 Ion Ratio Lower Upper  
 114 100  
 63 24.1 0.0 49.2  
 88 16.5 0.0 33.8

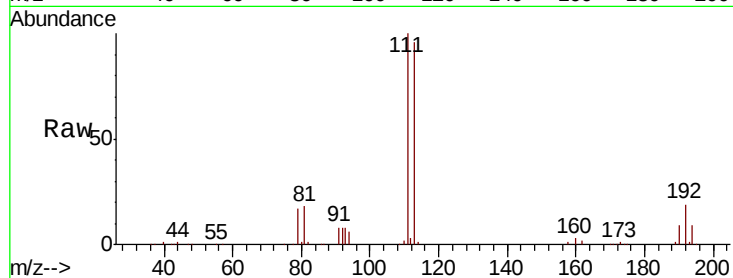




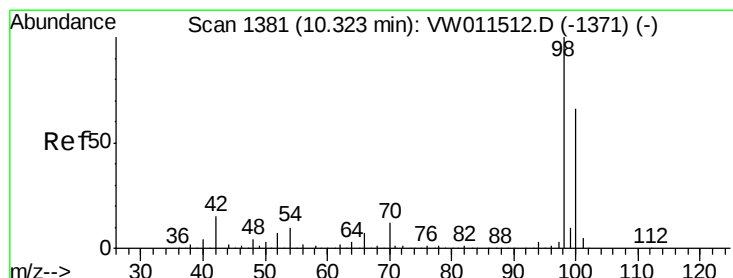
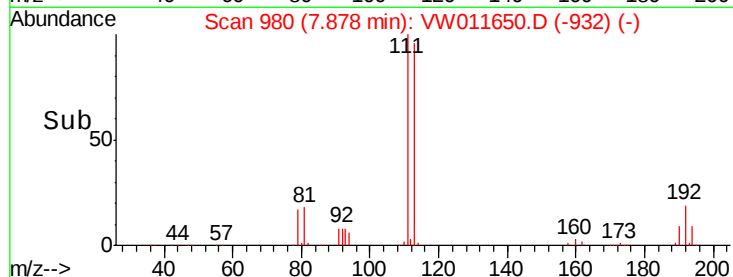
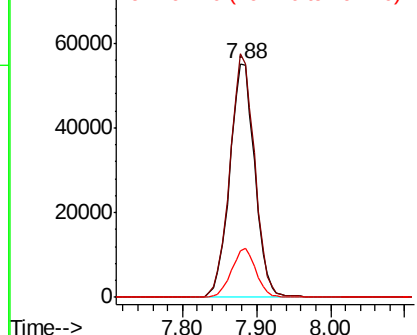
#35  
 Dibromofluoromethane  
 Concen: 54.995 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW011650.D  
 Acq: 03 Aug 2019 05:35

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 1S-E1-(30)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 82.7  | 124.1 |
| 192     | 20.4  | 16.1  | 24.1  |

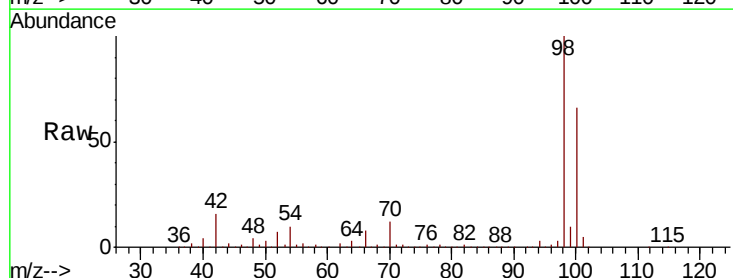


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

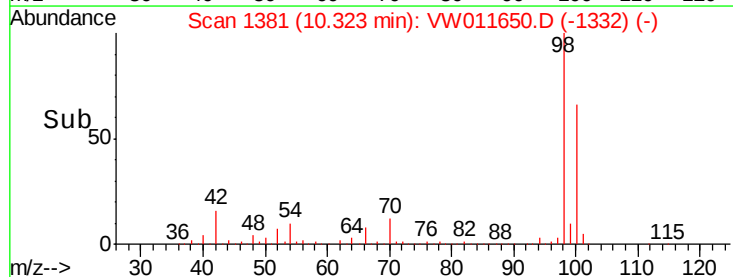
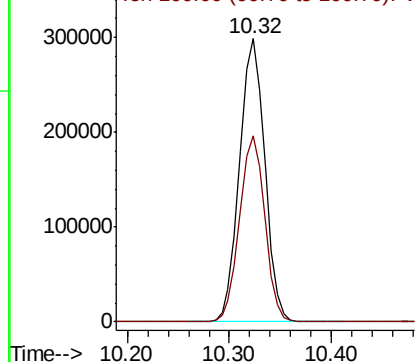


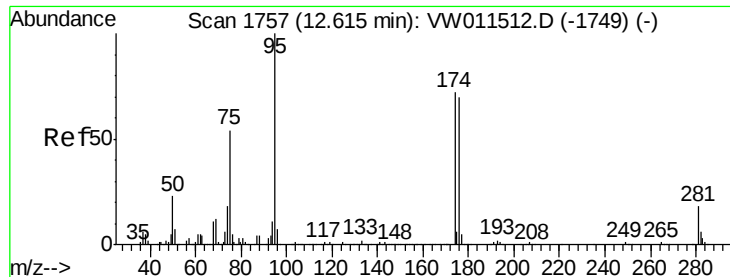
#50  
 Toluene-d8  
 Concen: 53.154 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW011650.D  
 Acq: 03 Aug 2019 05:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.4  | 52.7  | 79.1  |



Abundance Ion 98.00 (97.70 to 98.70): VW  
 Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 46.554 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA\_W

ClientSampleId :

1S-E1-(30)

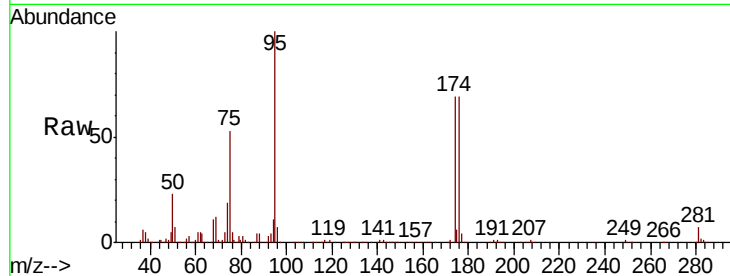
Tot Ion: 95 Resp: 160182

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

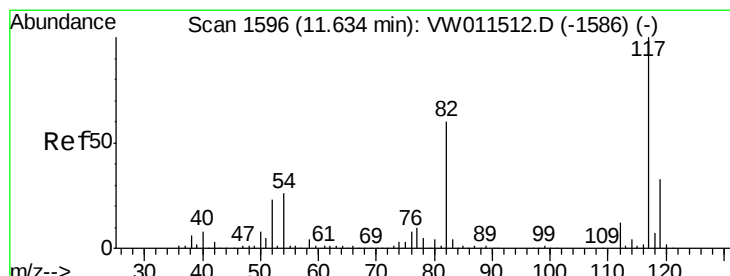
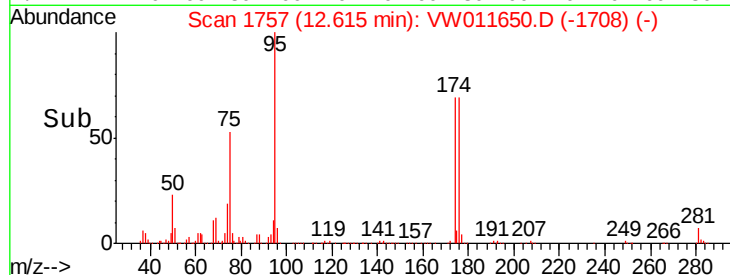
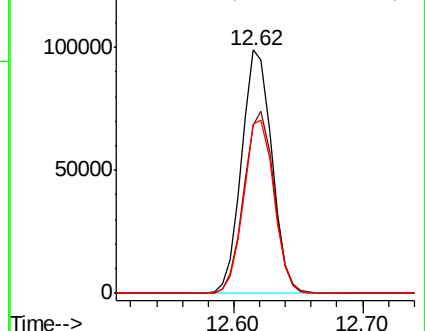
176 71.7 0.0 144.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

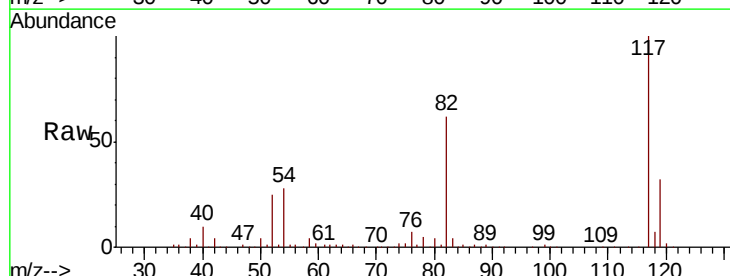
Tgt Ion: 117 Resp: 343910

Ion Ratio Lower Upper

117 100

82 61.7 47.9 71.9

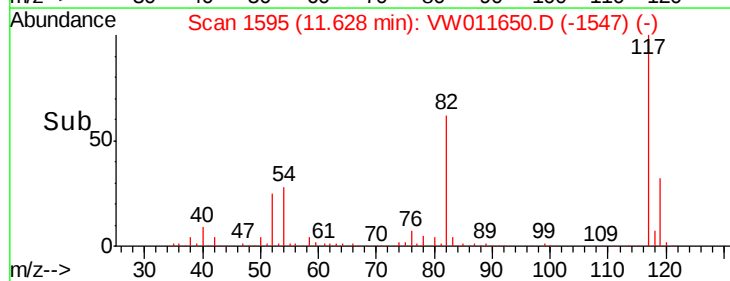
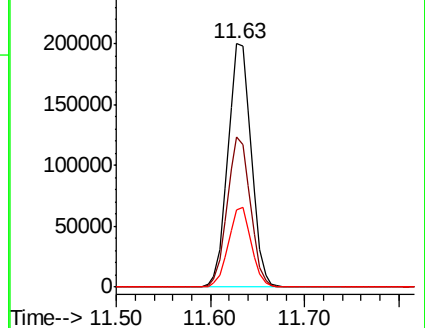
119 31.6 26.2 39.2

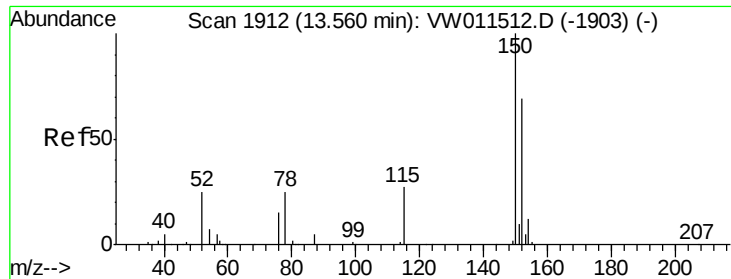


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011650.D

Acq: 03 Aug 2019 05:35

Instrument :

MSVOA\_W

ClientSampleId :

1S-E1-(30)

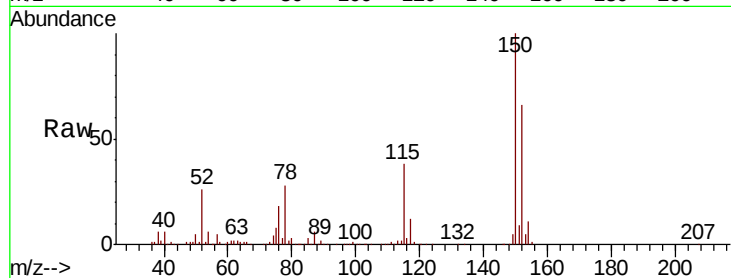
Tot Ion:152 Resp: 133591

Ion Ratio Lower Upper

152 100

115 60.1 30.5 91.5

150 156.4 0.0 352.6



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

