

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\  
 Data File : VW011063.D  
 Acq On : 28 Jun 2019 16:02  
 Operator : SY/VA  
 Sample : K3576-02  
 Misc : 5.20G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP-1

Quant Time: Jun 29 03:21:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 01:55:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 189271   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 325845   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 244318   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 71776    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 132053   | 53.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.74% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 99380    | 49.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.90%  |      |
| 50) Toluene-d8              | 10.32  | 98  | 390450   | 47.67 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.34%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 102348   | 34.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 68.34%  |      |

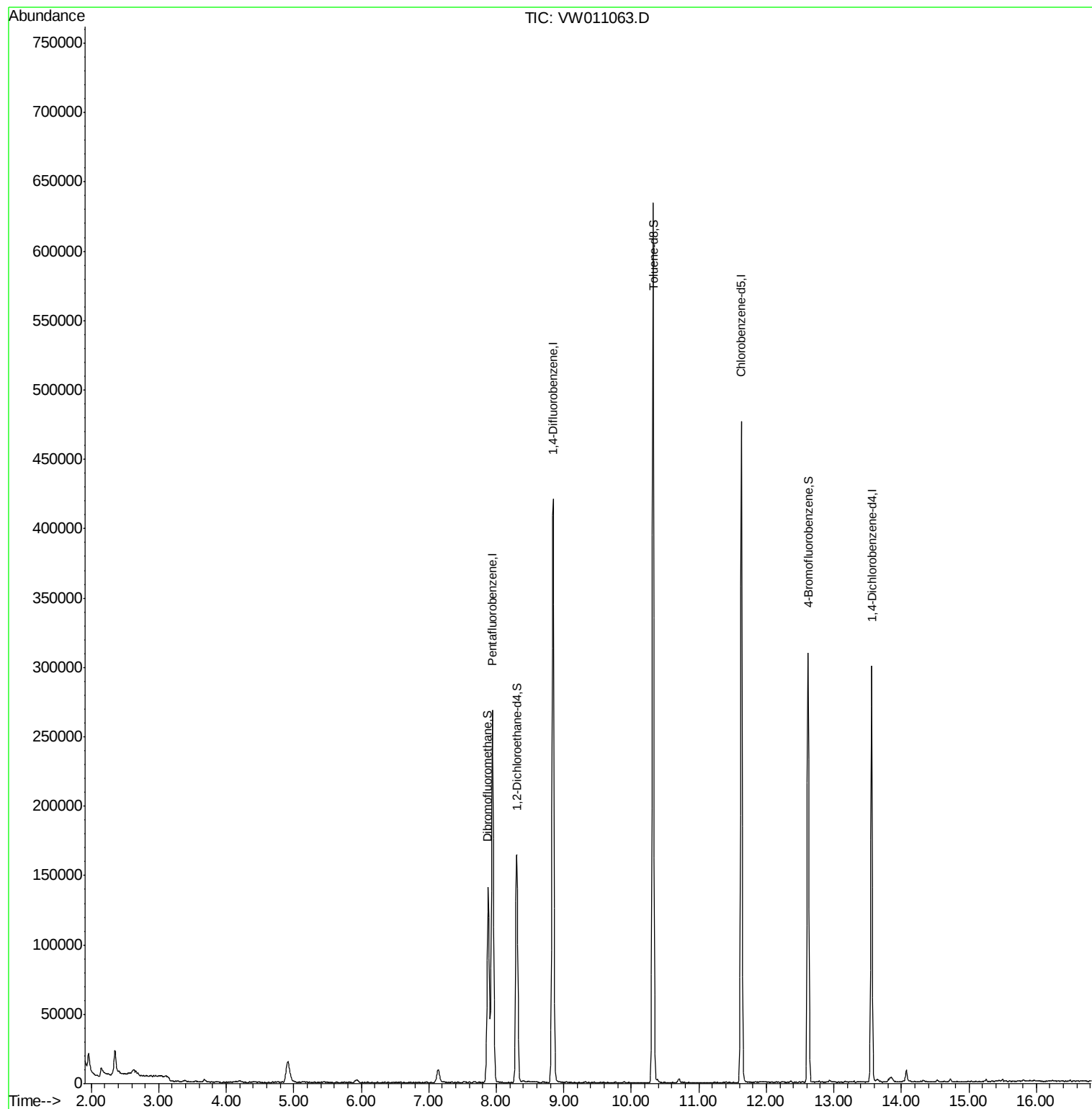
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

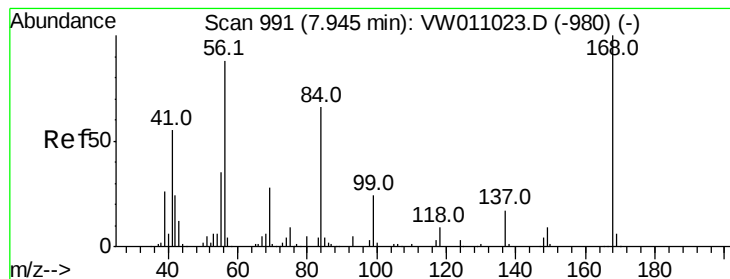
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062919\  
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Acq On : 28 Jun 2019 16:02  
Operator : SY/VA  
Sample : K3576-02  
Misc : 5.20G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SP-1

Quant Time: Jun 29 03:21:54 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 28 01:55:46 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: VW011063.D

Acq: 28 Jun 2019 16:02

Instrument :

MSVOA\_W

ClientSampleId :

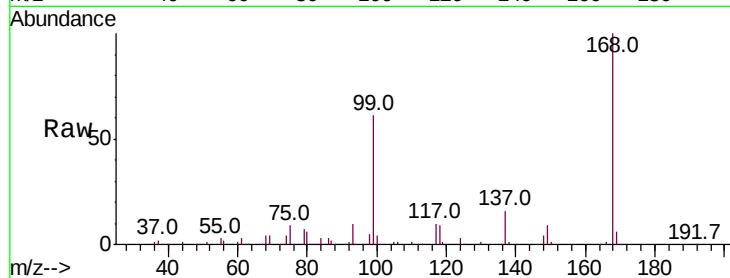
SP-1

Tot Ion:168 Resp: 189271

Ion Ratio Lower Upper

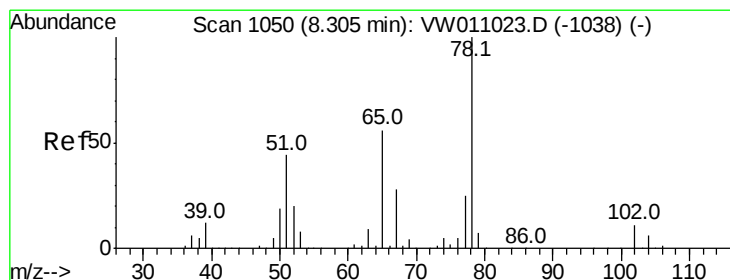
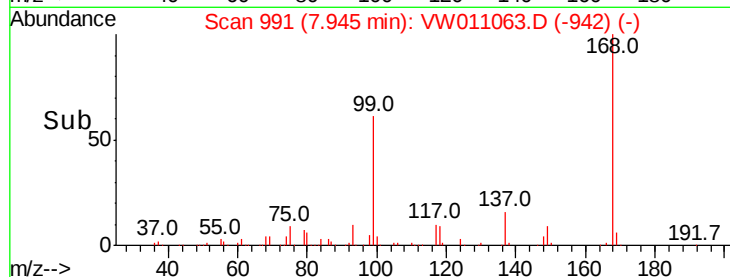
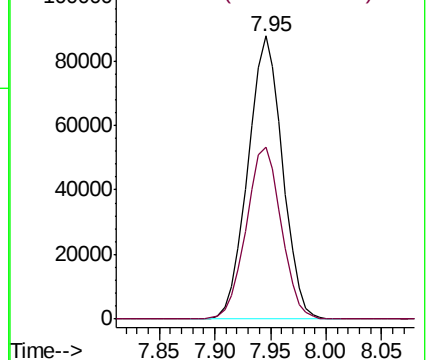
168 100

99 60.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 53.370 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011063.D

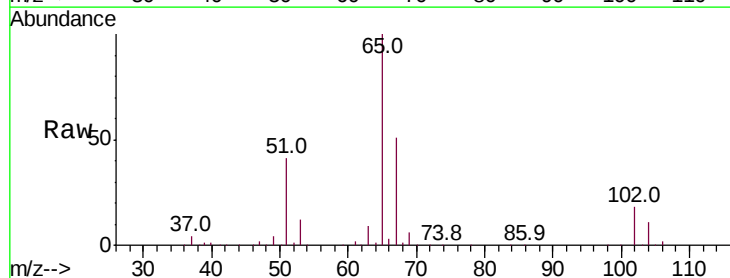
Acq: 28 Jun 2019 16:02

Tgt Ion: 65 Resp: 132053

Ion Ratio Lower Upper

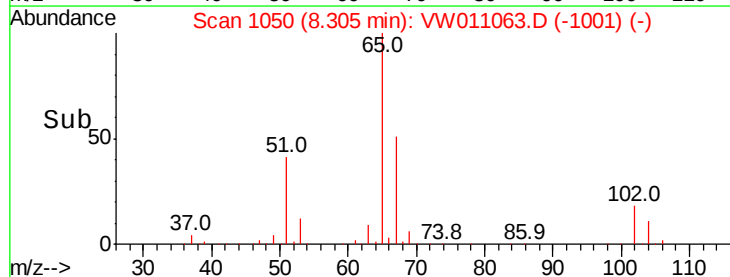
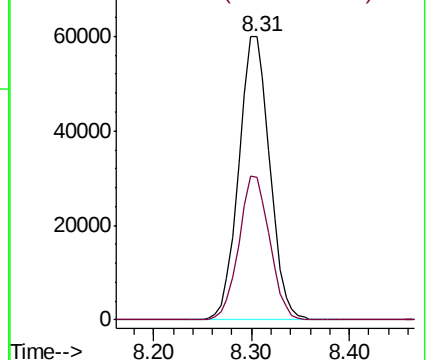
65 100

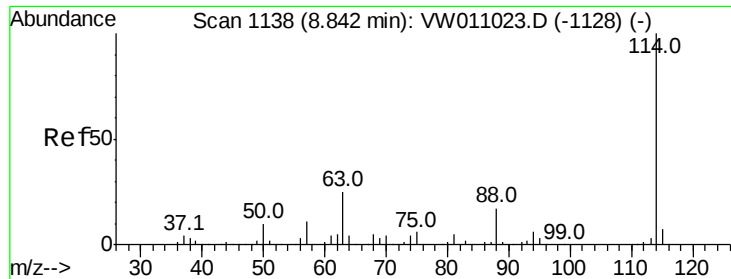
67 50.5 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

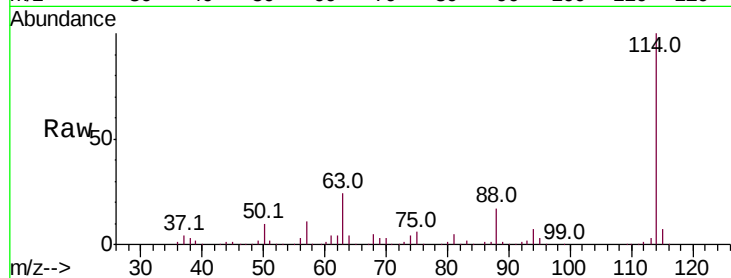




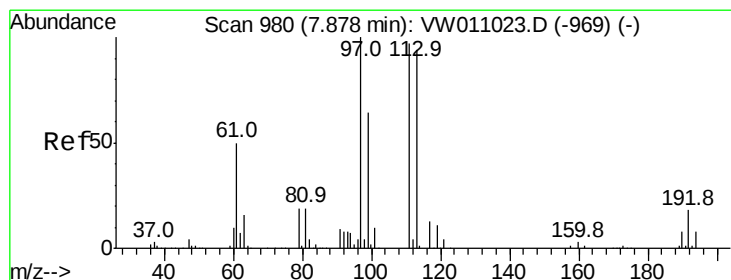
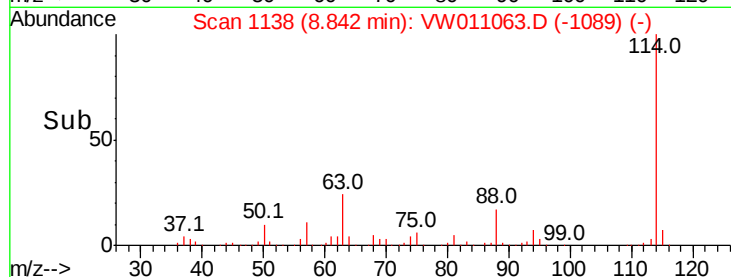
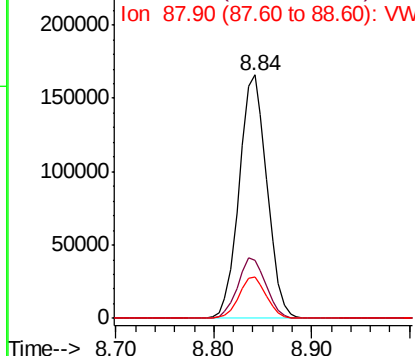
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011063.D  
 Acq: 28 Jun 2019 16:02

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP-1

Tot Ion:114 Resp: 325845  
 Ion Ratio Lower Upper  
 114 100  
 63 24.1 0.0 50.6  
 88 17.2 0.0 34.0

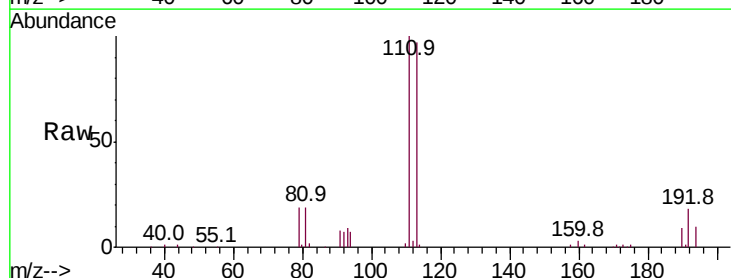


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

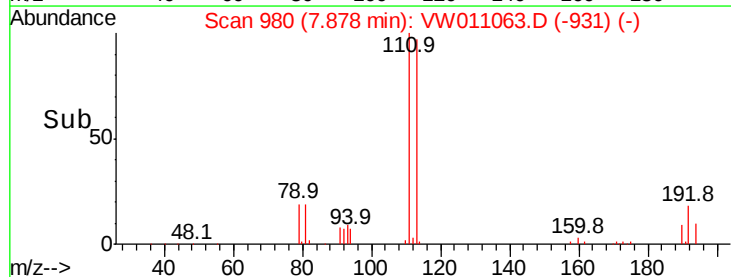
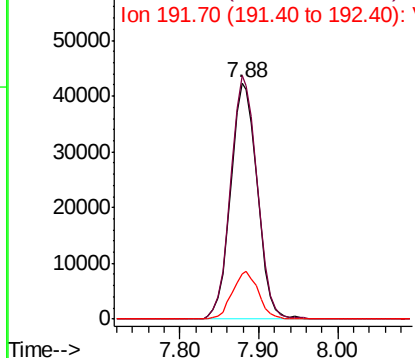


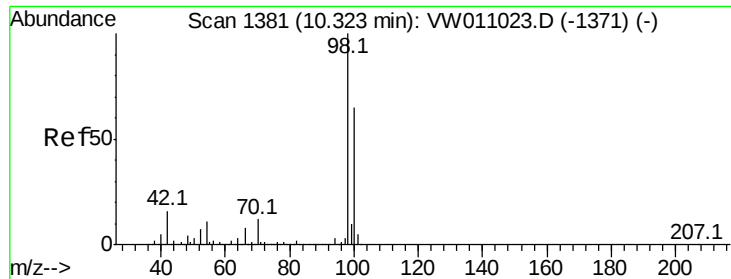
#35  
 Dibromofluoromethane  
 Concen: 49.946 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW011063.D  
 Acq: 28 Jun 2019 16:02

Tgt Ion:113 Resp: 99380  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 83.8 125.6  
 192 19.8 16.0 24.0



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: 47.672 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011063.D

Acq: 28 Jun 2019 16:02

Instrument :

MSVOA\_W

ClientSampled :

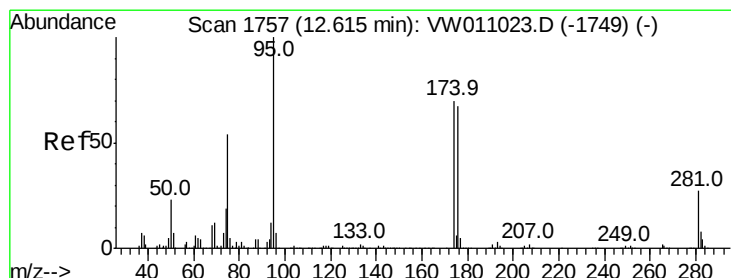
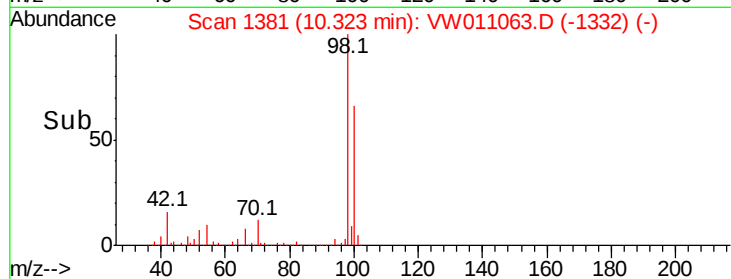
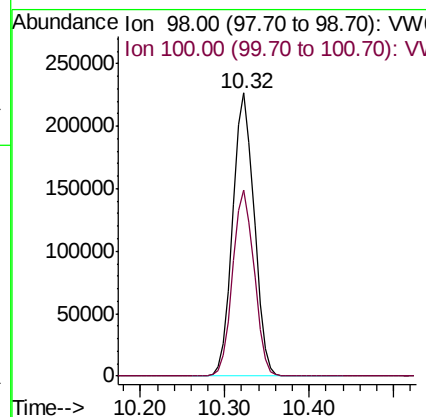
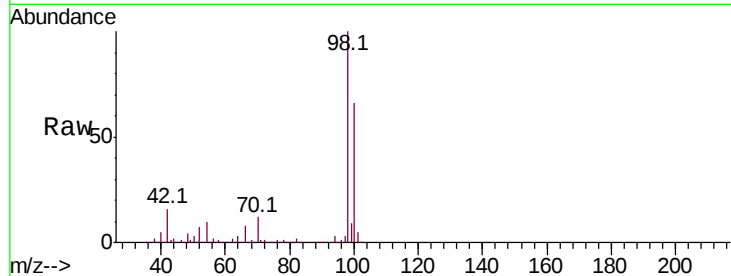
SP-1

Tot Ion: 98 Resp: 390450

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 34.166 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011063.D

Acq: 28 Jun 2019 16:02

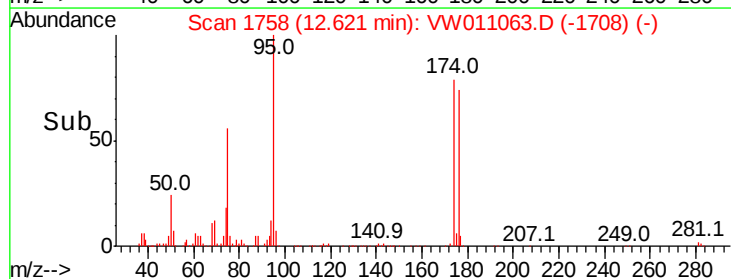
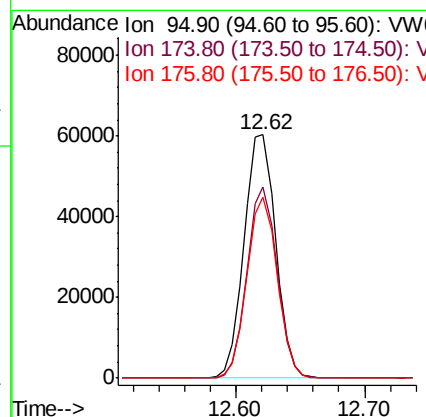
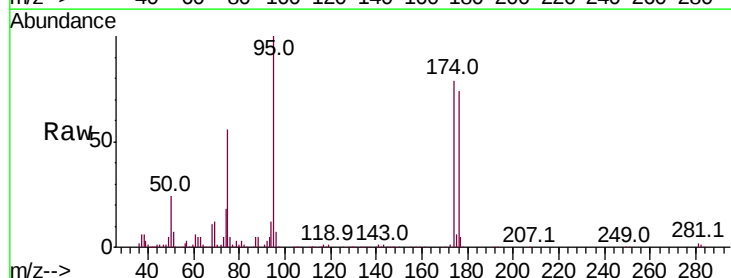
Tgt Ion: 95 Resp: 102348

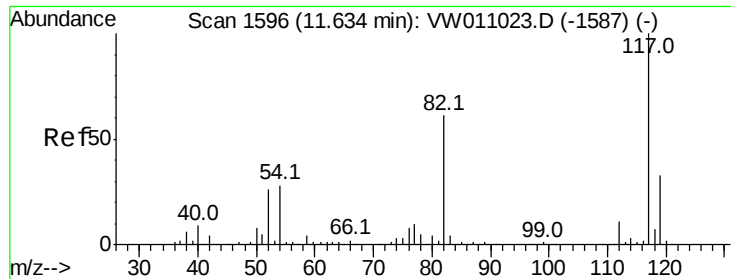
Ion Ratio Lower Upper

95 100

174 74.8 0.0 149.2

176 71.5 0.0 143.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW011063.D

Acq: 28 Jun 2019 16:02

Instrument :

MSVOA\_W

ClientSampleId :

SP-1

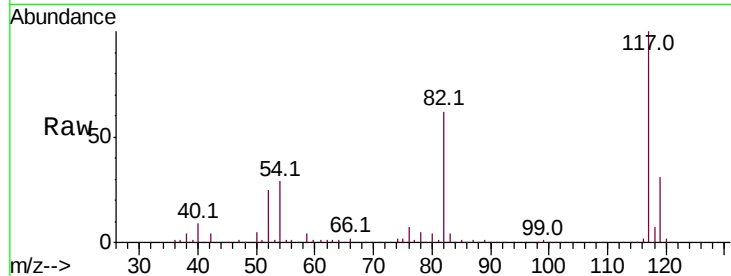
Tot Ion:117 Resp: 244318

Ion Ratio Lower Upper

117 100

82 61.6 48.6 73.0

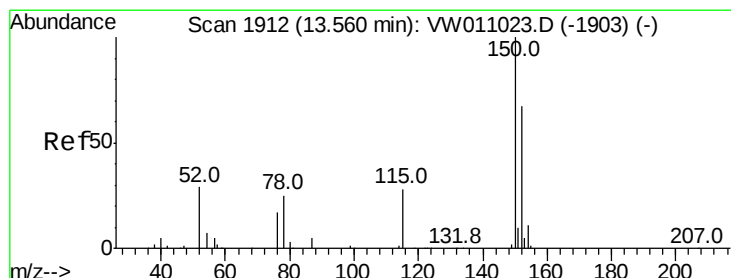
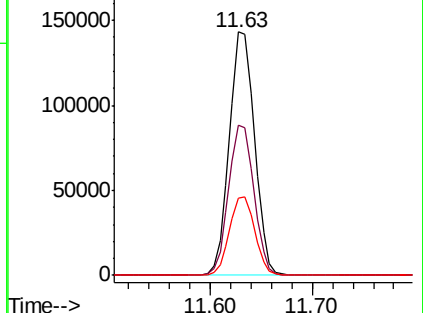
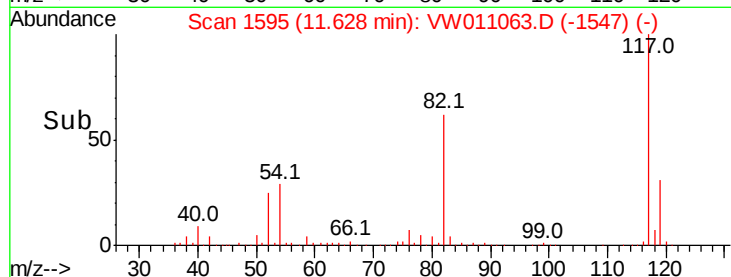
119 31.5 26.1 39.1



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: VW011063.D

Acq: 28 Jun 2019 16:02

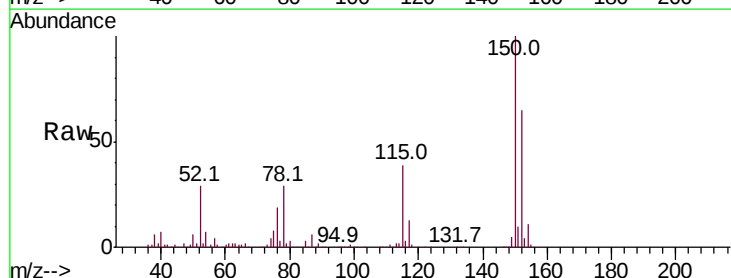
Tgt Ion:152 Resp: 71776

Ion Ratio Lower Upper

152 100

115 60.1 30.7 92.1

150 156.8 0.0 341.8



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

