

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080319\  
 Data File : VW011635.D  
 Acq On : 02 Aug 2019 22:41  
 Operator : SY/VA  
 Sample : VW0803SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBL01

Quant Time: Aug 04 00:28:48 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  | 208128   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 348954   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 297205   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 128363   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 136007   | 56.91 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.82% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 107452   | 54.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.78% |      |
| 50) Toluene-d8              | 10.32  | 98  | 427582   | 53.35 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.70% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 142572   | 49.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.78%  |      |

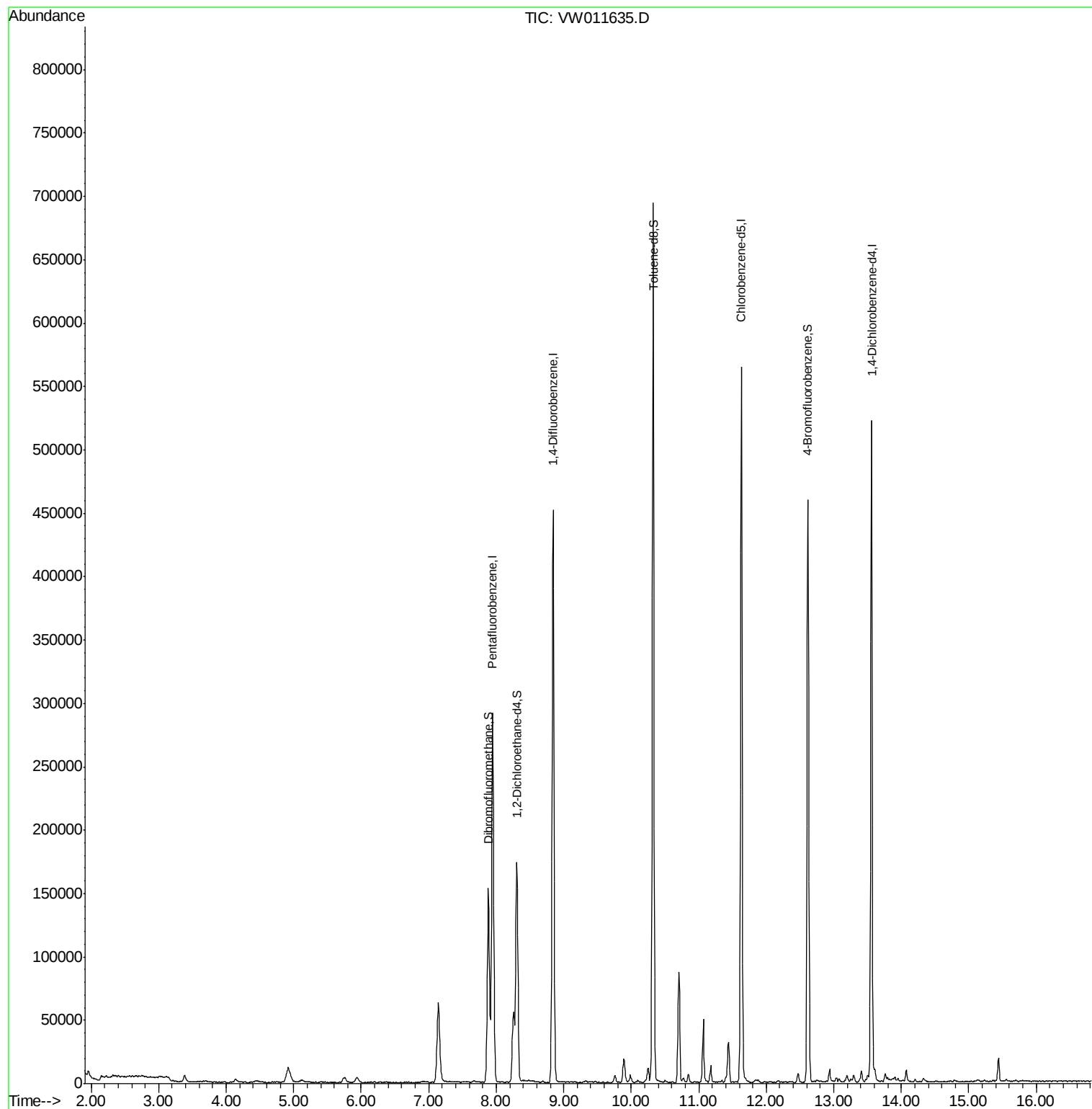
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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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: VW011635.D

Acq: 02 Aug 2019 22:41

Instrument :

MSVOA\_W

ClientSampleId :

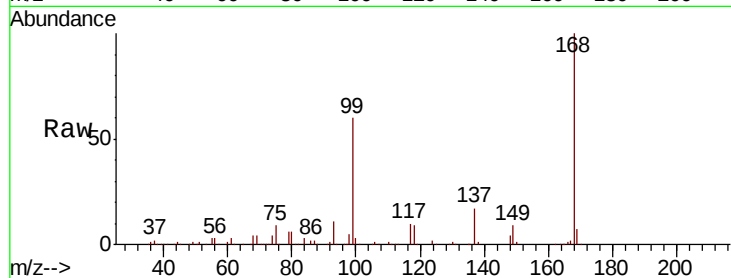
VW0803SBL01

Tot Ion:168 Resp: 208128

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



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

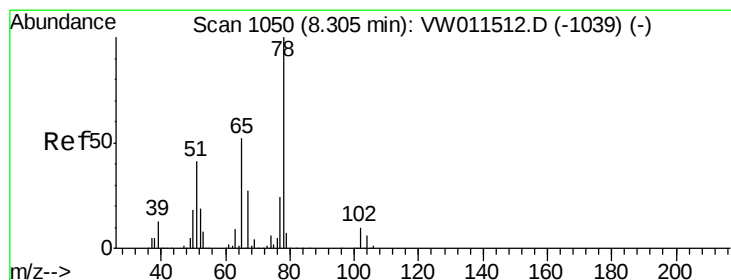
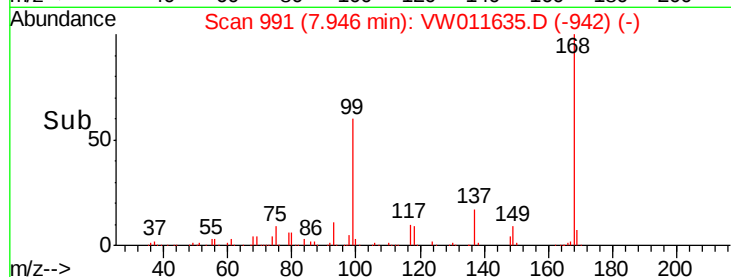
20000

0

7.90

8.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.909 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011635.D

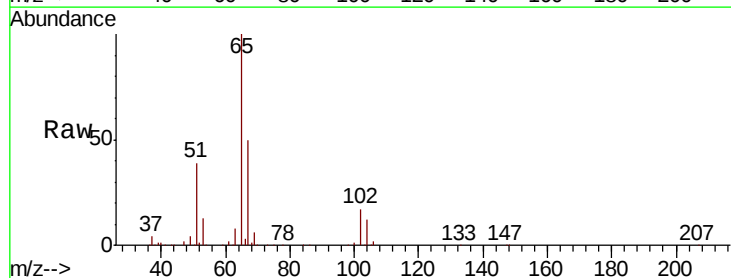
Acq: 02 Aug 2019 22:41

Tgt Ion: 65 Resp: 136007

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

40000

20000

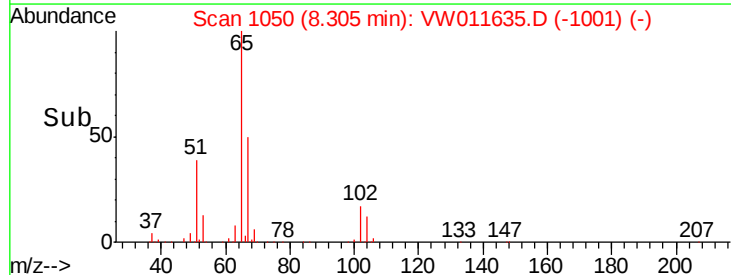
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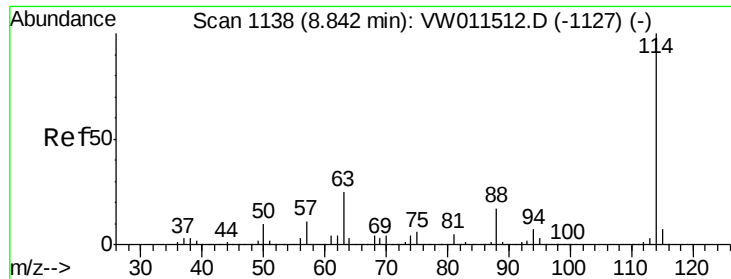
8.20

8.30

8.40

Time-->

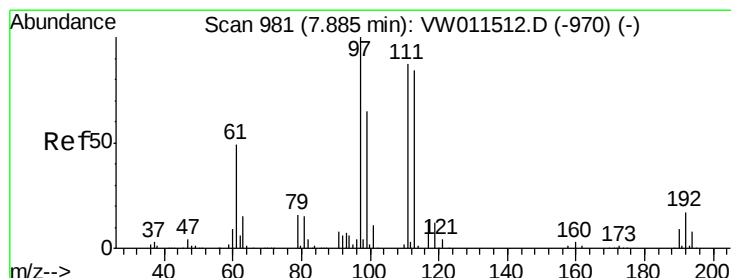
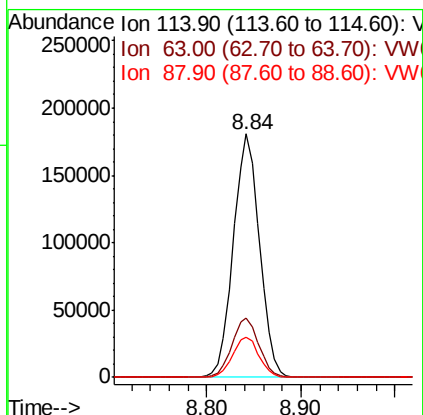
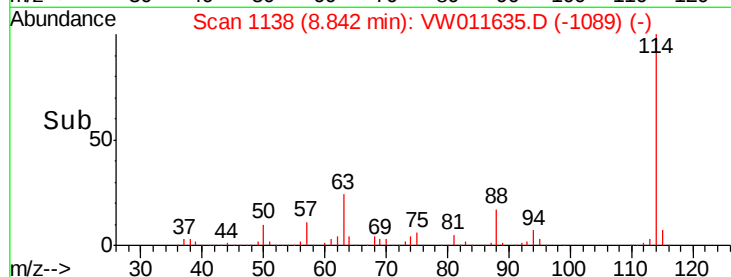
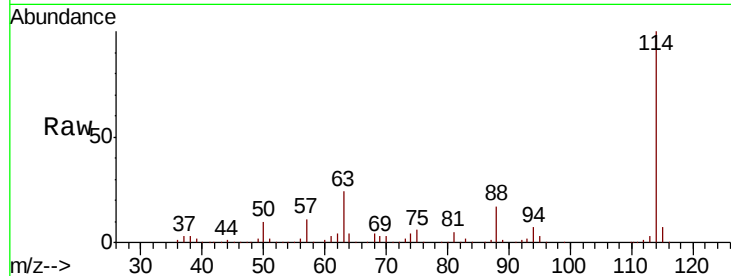




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW011635.D  
 Acq: 02 Aug 2019 22:41

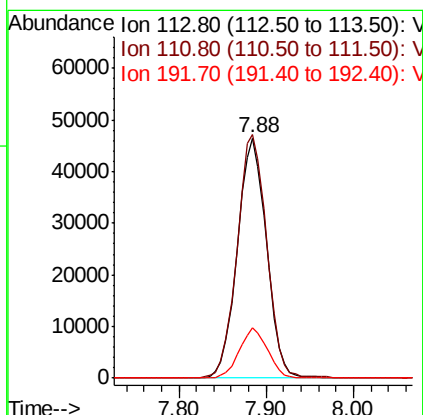
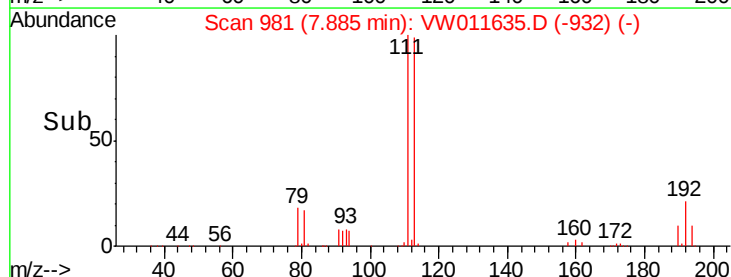
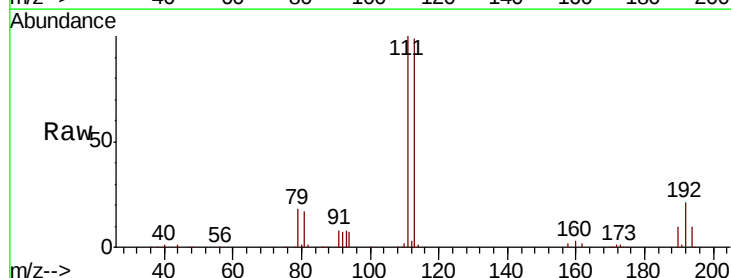
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0803SBL01

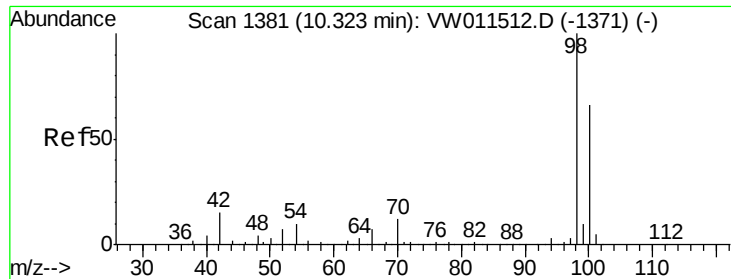
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.4  | 0.0   | 49.2  |
| 88      | 16.6  | 0.0   | 33.8  |



#35  
 Dibromofluoromethane  
 Concen: 54.887 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW011635.D  
 Acq: 02 Aug 2019 22:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 82.7  | 124.1 |
| 192     | 20.3  | 16.1  | 24.1  |





#50

Toluene-d8

Concen: 53.345 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011635.D

Acq: 02 Aug 2019 22:41

Instrument :

MSVOA\_W

ClientSampleId :

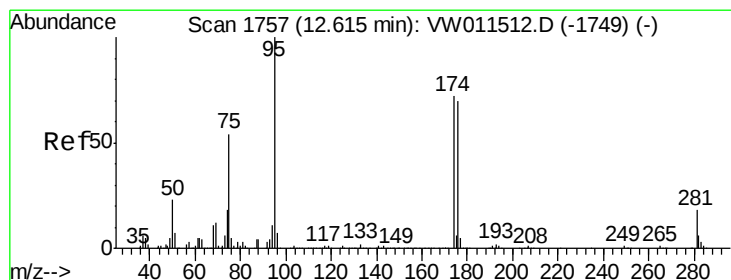
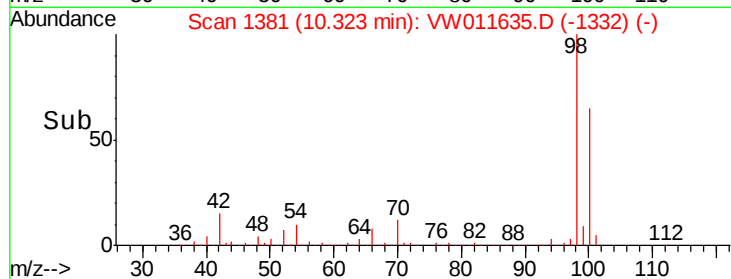
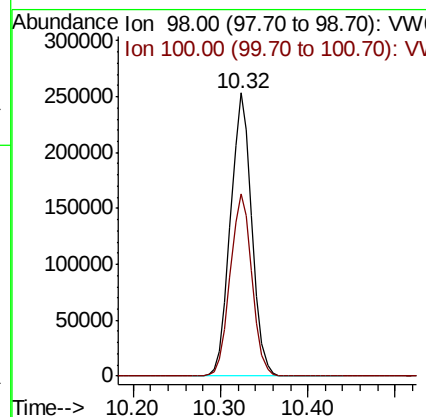
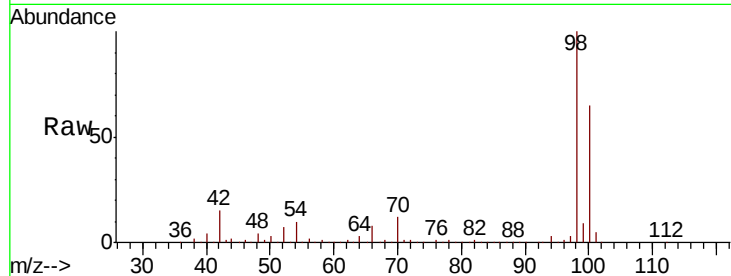
VW0803SBL01

Tot Ion: 98 Resp: 427582

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 49.892 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011635.D

Acq: 02 Aug 2019 22:41

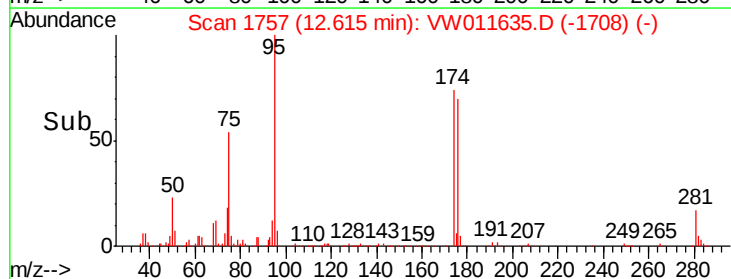
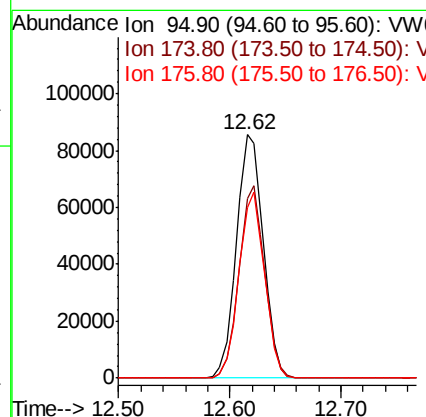
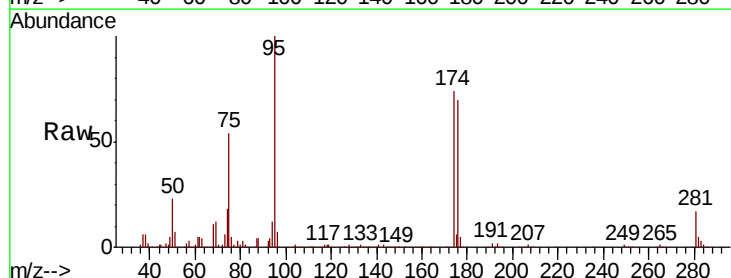
Tgt Ion: 95 Resp: 142572

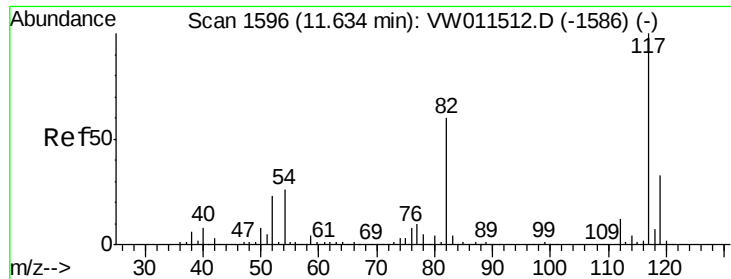
Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

176 73.1 0.0 144.4

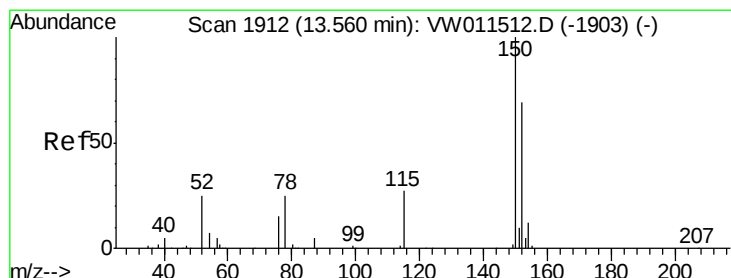
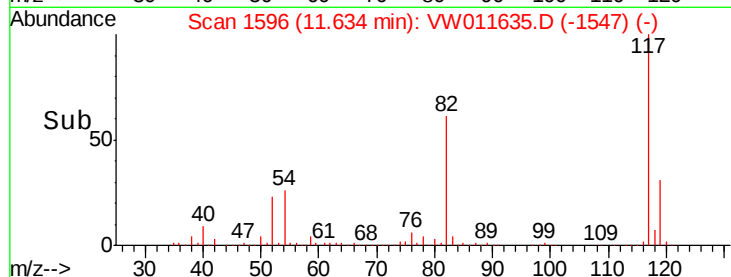
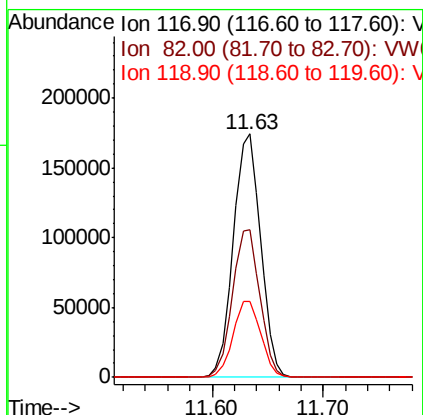
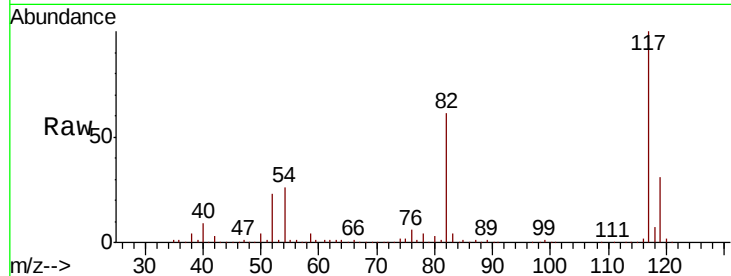




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW011635.D  
Acq: 02 Aug 2019 22:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0803SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.7  | 47.9  | 71.9  |
| 119     | 31.3  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011635.D  
Acq: 02 Aug 2019 22:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.0  | 30.5  | 91.5  |
| 150     | 157.9 | 0.0   | 352.6 |

