

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW122418\  
 Data File : VW007844.D  
 Acq On : 22 Dec 2018 15:45  
 Operator : SY/AP  
 Sample : VW1224SBL01  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1224SBL01

Quant Time: Dec 24 01:52:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 06:30:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 86604    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 138476   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 120118   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 59427    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 42328    | 44.59 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.18%  |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 40453    | 47.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.78%  |      |
| 50) Toluene-d8              | 10.32  | 98  | 166294   | 52.22 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.44% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 62206    | 50.56 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.12% |      |

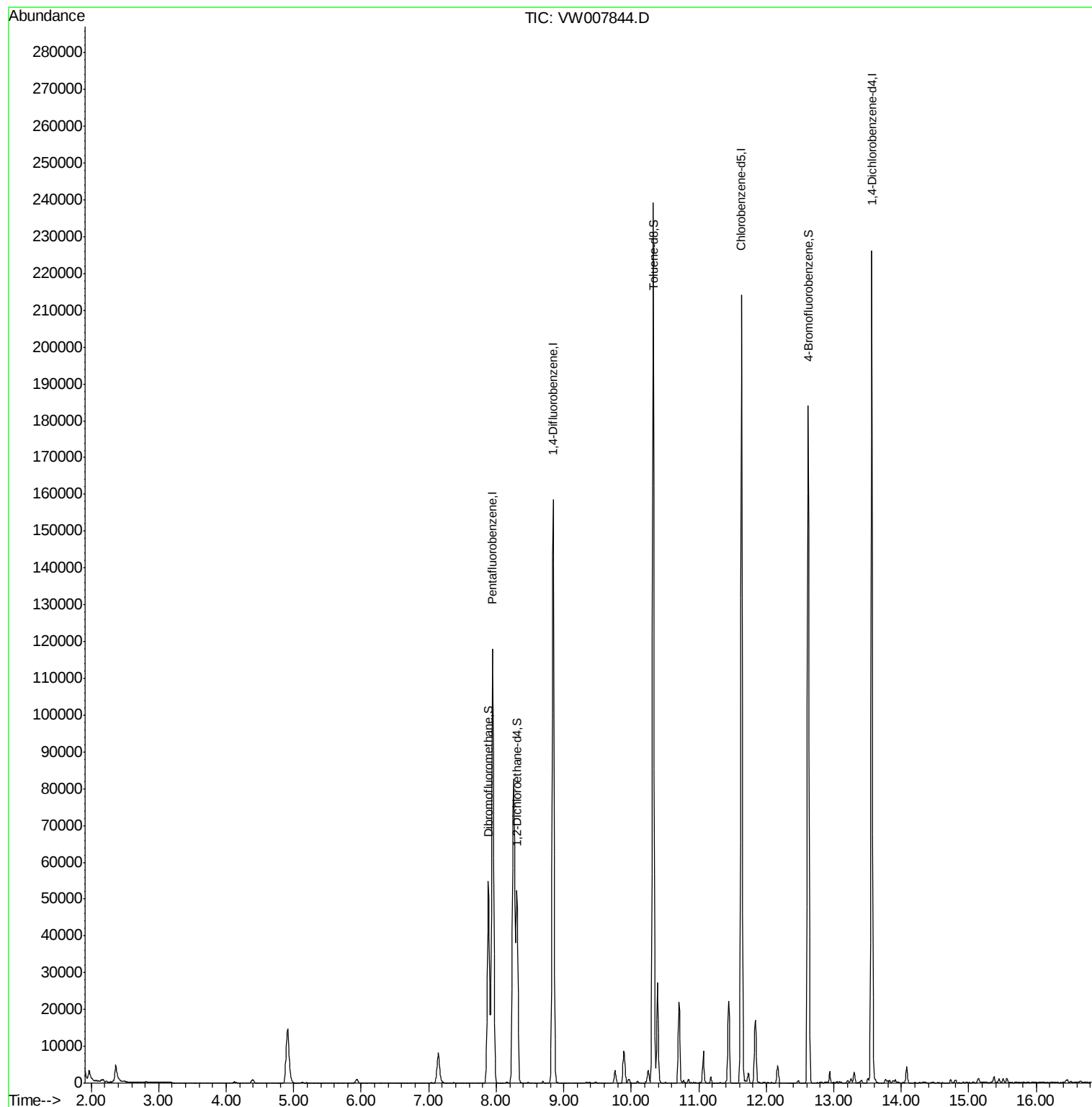
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

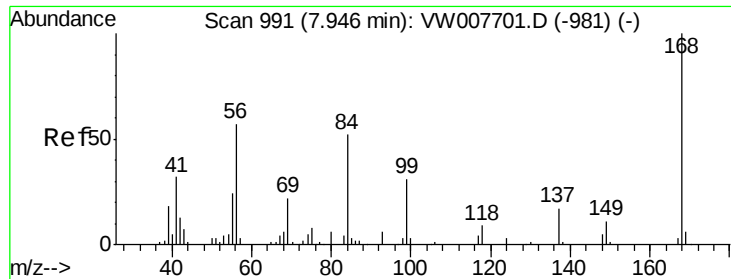
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW122418\  
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MSVOA\_W  
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VW1224SBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 06:30:23 2018  
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: VW007844.D

Acq: 22 Dec 2018 15:45

Instrument :

MSVOA\_W

ClientSampleId :

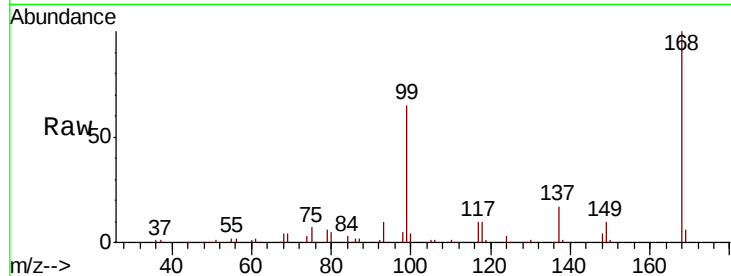
VW1224SBL01

Tgt Ion: 168 Resp: 86604

Ion Ratio Lower Upper

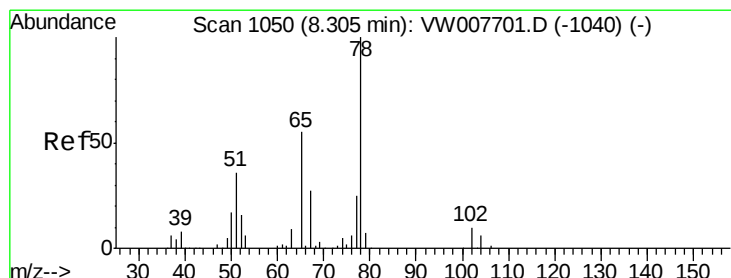
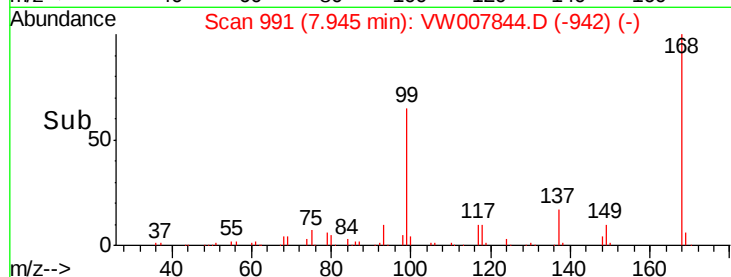
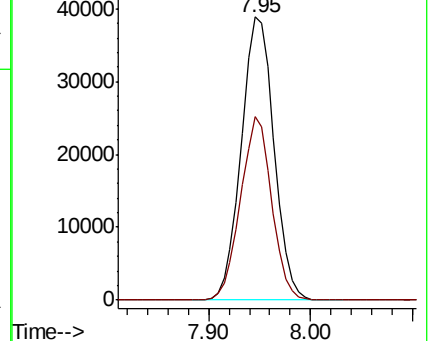
168 100

99 65.0 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 44.593 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007844.D

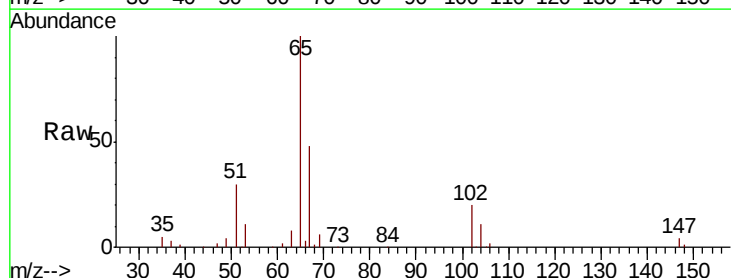
Acq: 22 Dec 2018 15:45

Tgt Ion: 65 Resp: 42328

Ion Ratio Lower Upper

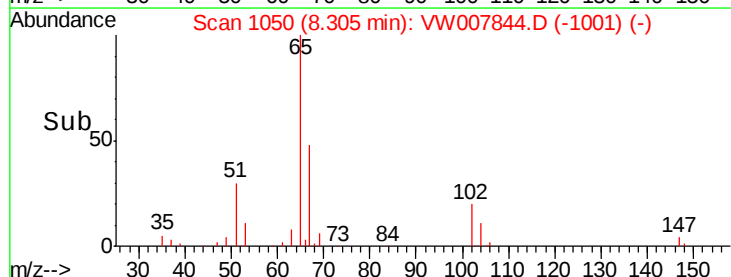
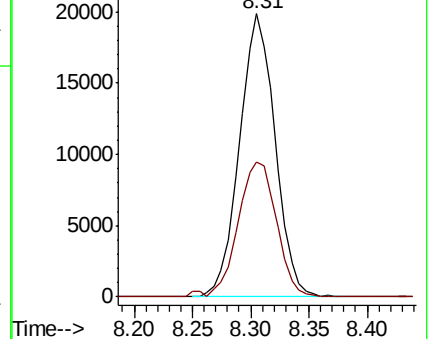
65 100

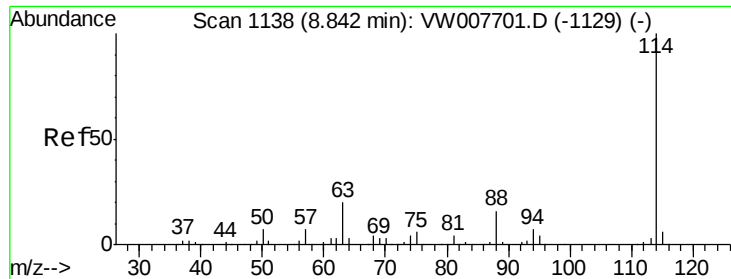
67 51.8 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

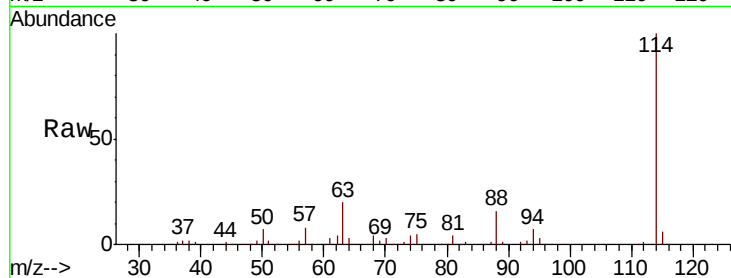




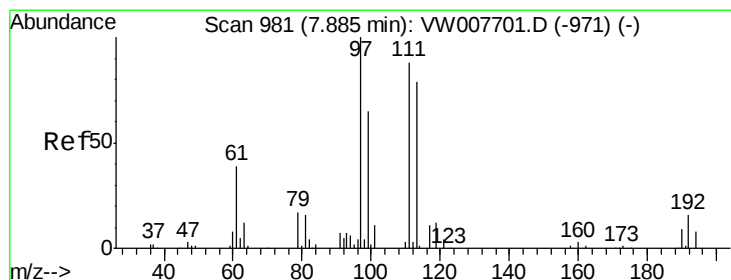
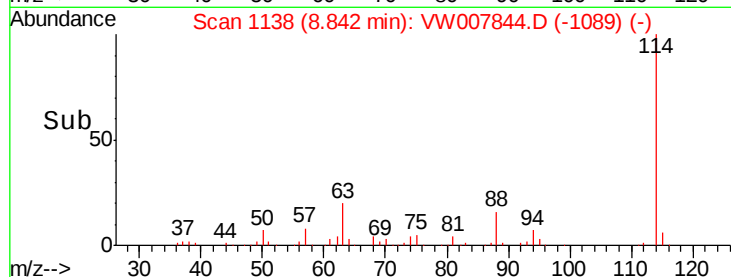
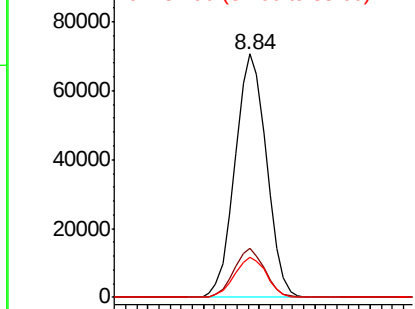
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007844.D  
 Acq: 22 Dec 2018 15:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1224SBL01

Tgt Ion:114 Resp: 138476  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 40.0  
 88 16.2 0.0 32.6

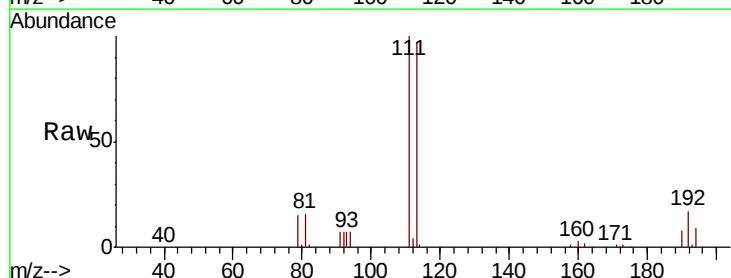


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

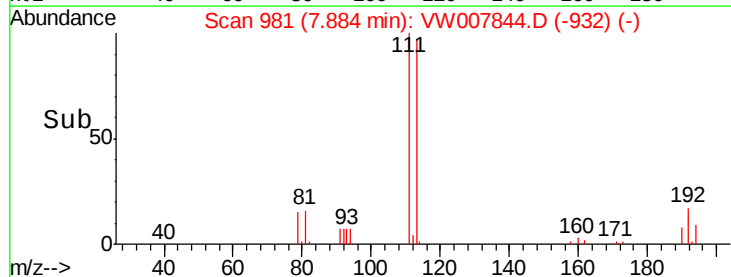
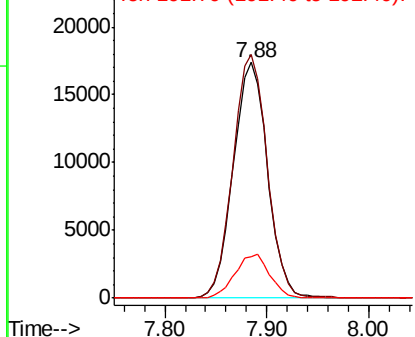


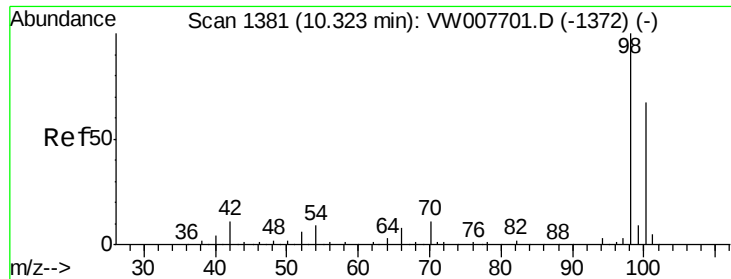
#35  
 Dibromofluoromethane  
 Concen: 47.886 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007844.D  
 Acq: 22 Dec 2018 15:45

Tgt Ion:113 Resp: 40453  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 82.6 124.0  
 192 18.8 15.5 23.3



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: 52.217 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007844.D

Acq: 22 Dec 2018 15:45

Instrument :

MSVOA\_W

ClientSampleId :

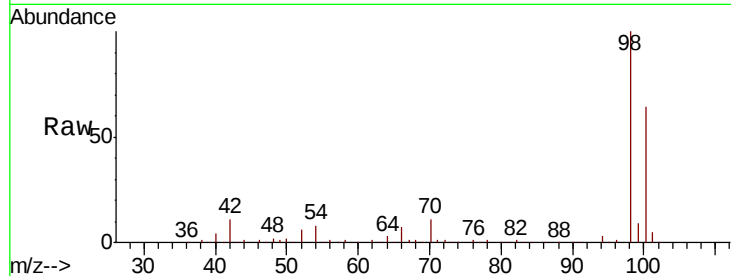
VW1224SBL01

Tgt Ion: 98 Resp: 166294

Ion Ratio Lower Upper

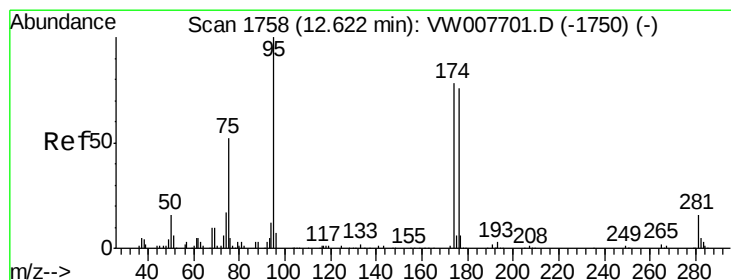
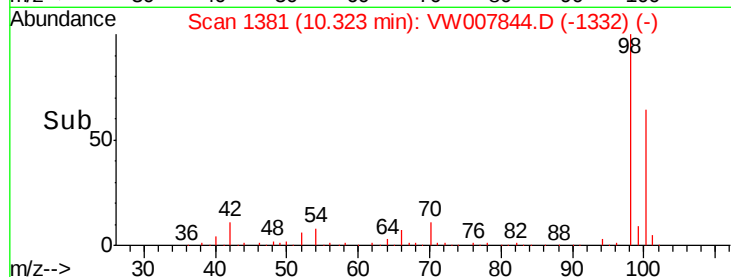
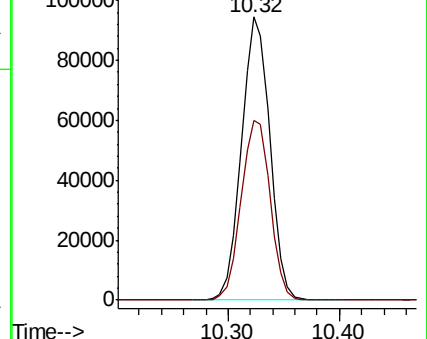
98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 50.561 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007844.D

Acq: 22 Dec 2018 15:45

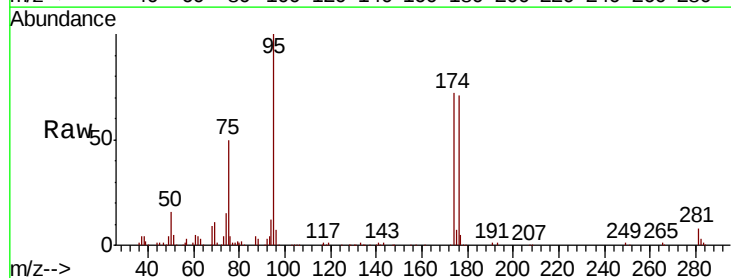
Tgt Ion: 95 Resp: 62206

Ion Ratio Lower Upper

95 100

174 73.8 0.0 152.2

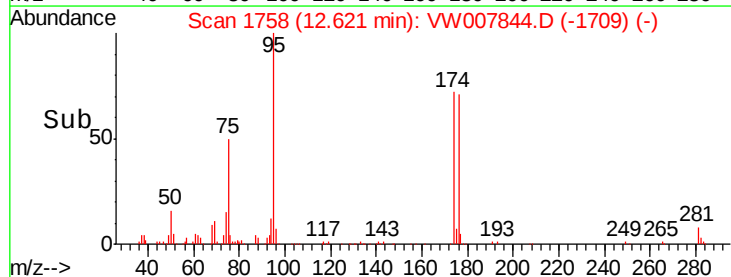
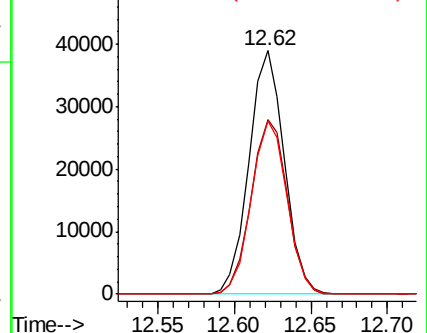
176 72.3 0.0 146.8

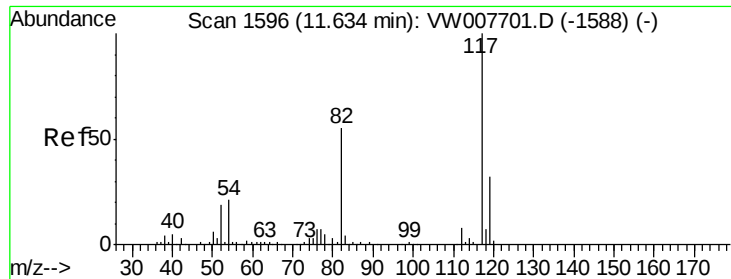


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

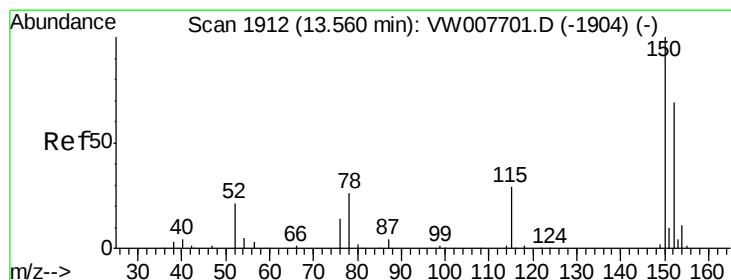
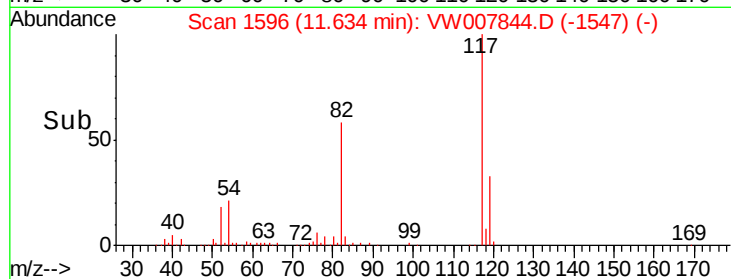
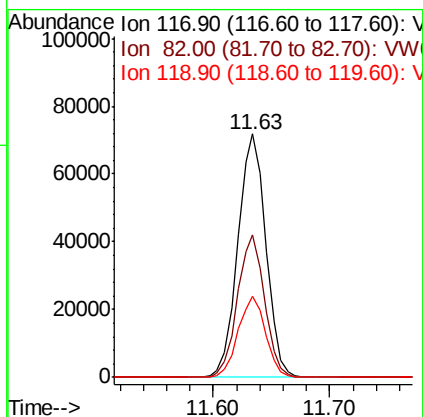
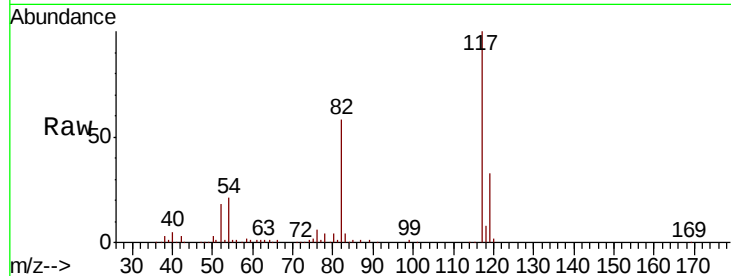




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007844.D  
Acq: 22 Dec 2018 15:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1224SBL01

Tgt Ion:117 Resp: 120118  
Ion Ratio Lower Upper  
117 100  
82 58.4 44.3 66.5  
119 33.4 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW007844.D  
Acq: 22 Dec 2018 15:45

Tgt Ion:152 Resp: 59427  
Ion Ratio Lower Upper  
152 100  
115 63.0 31.8 95.4  
150 157.3 0.0 350.8

