

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\  
 Data File : VW011661.D  
 Acq On : 03 Aug 2019 13:13  
 Operator : SY/VA  
 Sample : K4145-08  
 Misc : 5.10G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BP-VPB203-GW-618-620

Quant Time: Aug 04 02:03:16 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  | 202173   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 341888   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 295094   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 129157   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 142294   | 61.29 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 122.58% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 107755   | 56.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.36% |      |
| 50) Toluene-d8              | 10.32  | 98  | 420729   | 53.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.16% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 145705   | 52.04 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.08% |      |

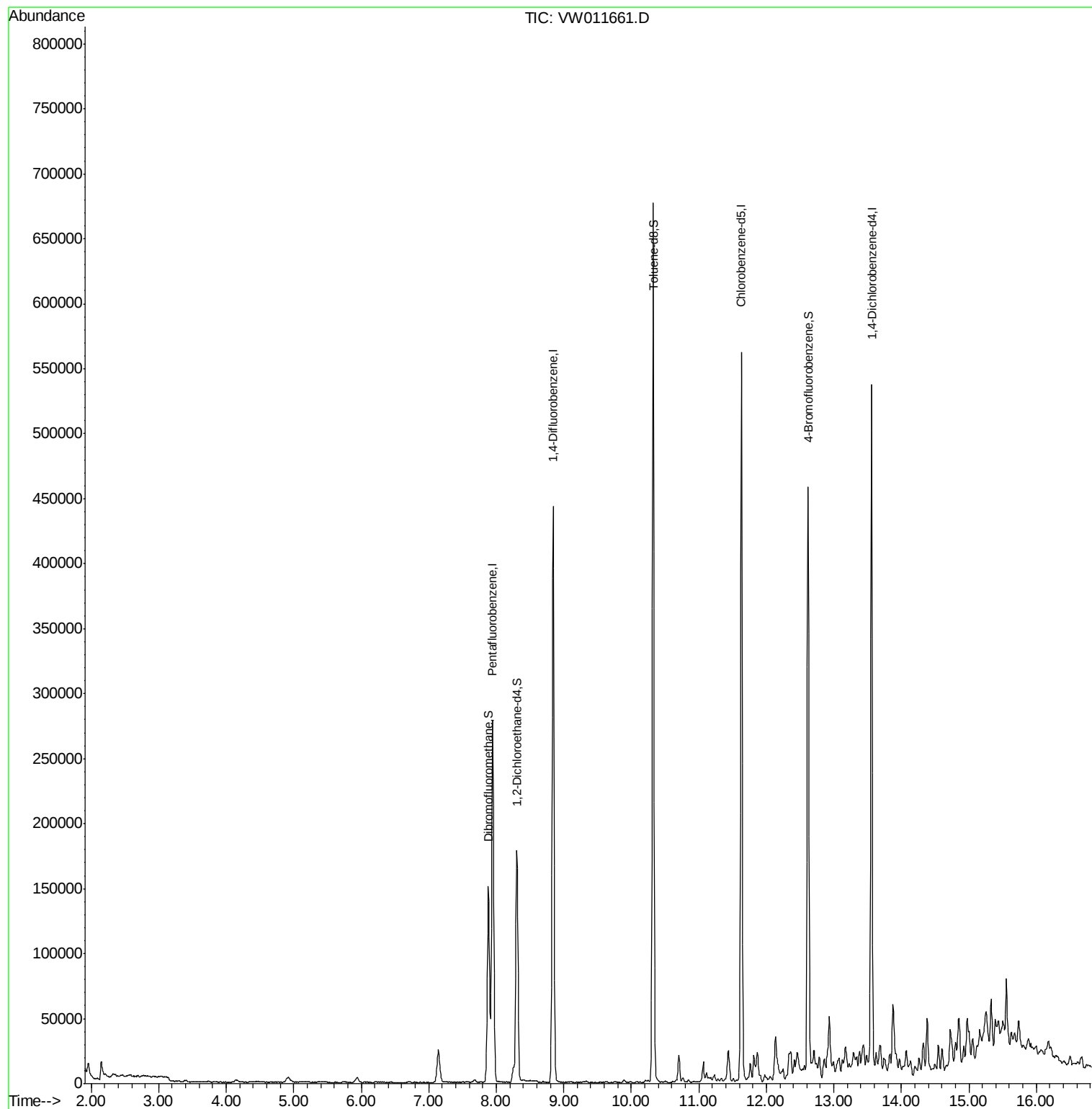
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

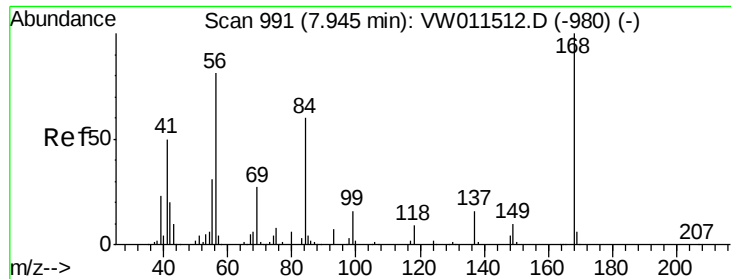
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080419\  
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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: VW011661.D

Acq: 03 Aug 2019 13:13

Instrument :

MSVOA\_W

ClientSampleId :

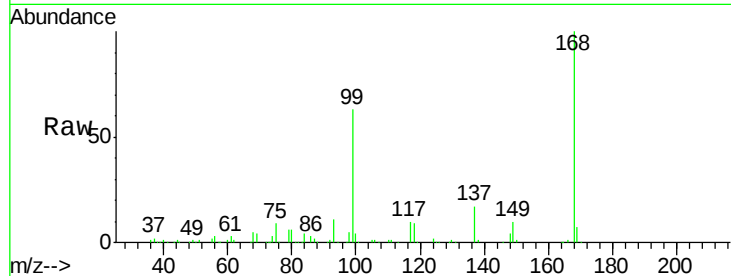
BP-VPB203-GW-618-620

Tot Ion:168 Resp: 202173

Ion Ratio Lower Upper

168 100

99 63.2 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

80000

60000

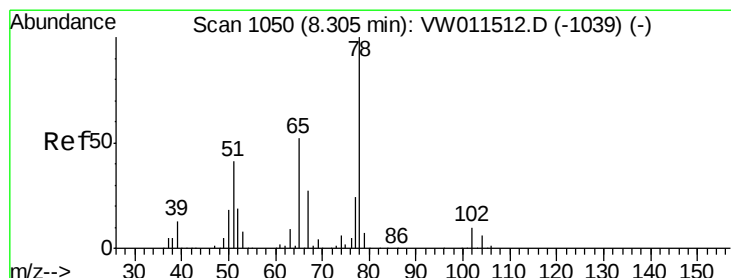
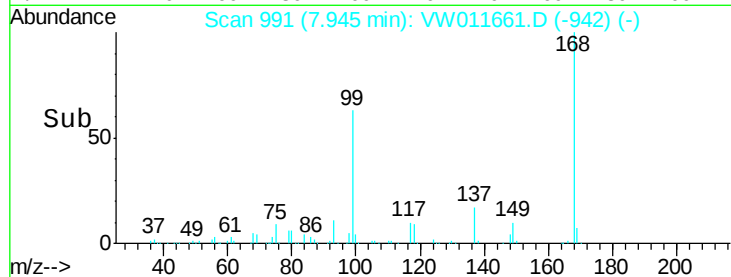
40000

20000

0

7.90 8.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 61.294 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011661.D

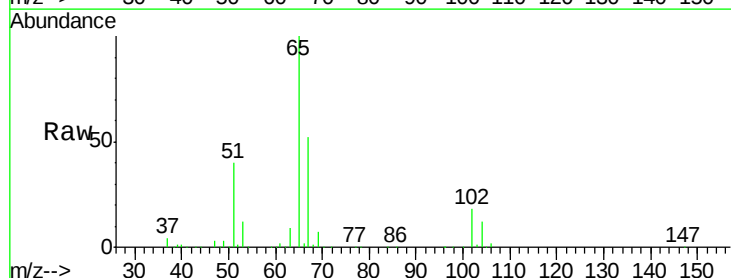
Acq: 03 Aug 2019 13:13

Tgt Ion: 65 Resp: 142294

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

60000

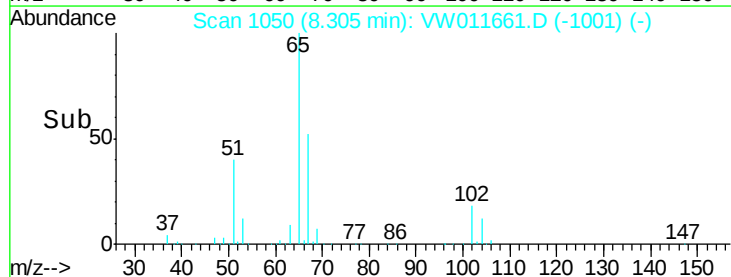
40000

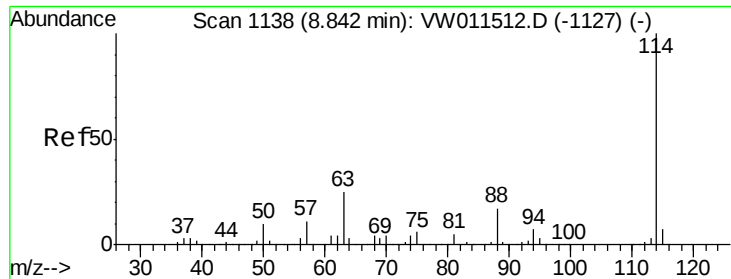
20000

0

8.20 8.30 8.40

Time-->

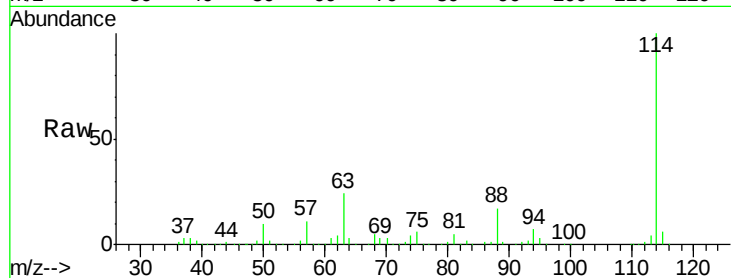




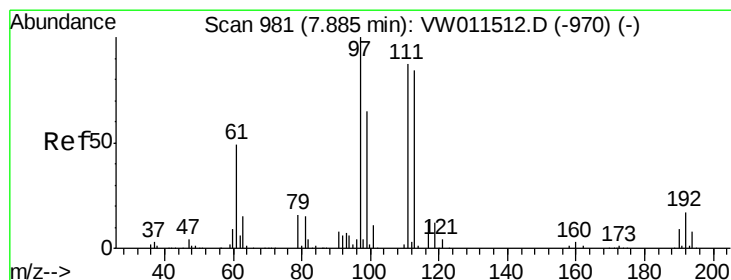
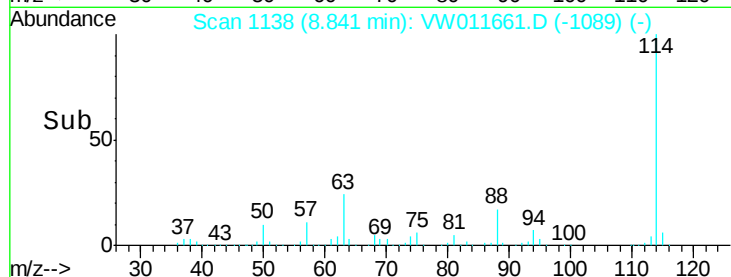
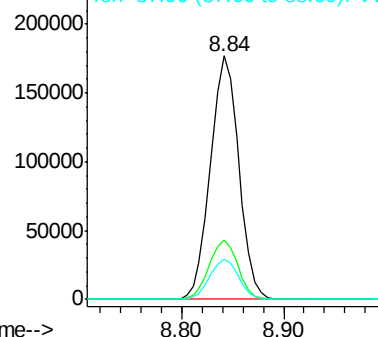
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW011661.D  
Acq: 03 Aug 2019 13:13

Instrument :  
MSVOA\_W  
ClientSampleId :  
BP-VPB203-GW-618-620

Tot Ion:114 Resp: 341888  
Ion Ratio Lower Upper  
114 100  
63 24.2 0.0 49.2  
88 16.7 0.0 33.8

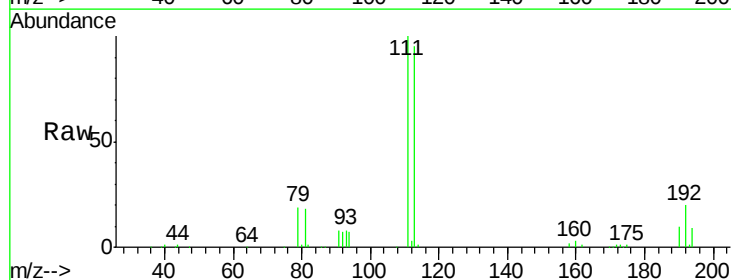


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

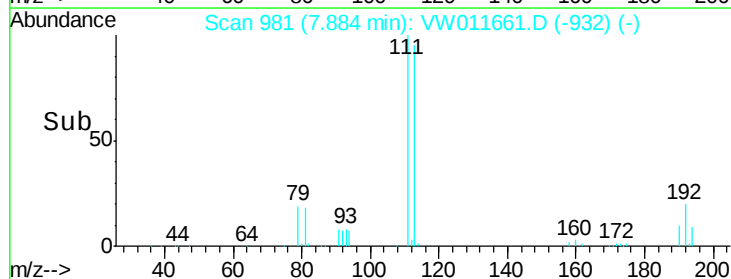
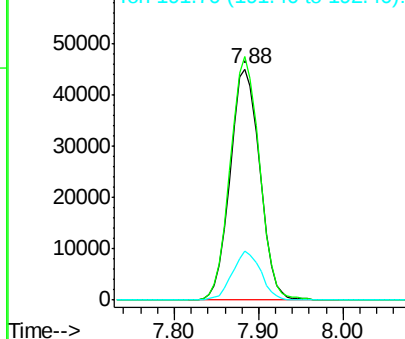


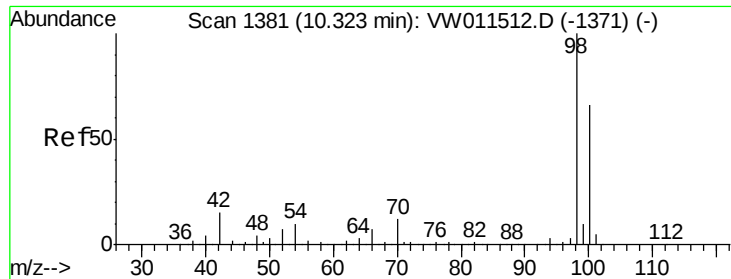
#35  
Dibromofluoromethane  
Concen: 56.179 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW011661.D  
Acq: 03 Aug 2019 13:13

Tgt Ion:113 Resp: 107755  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.7 124.1  
192 20.3 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: 53.575 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

Instrument :

MSVOA\_W

ClientSampleId :

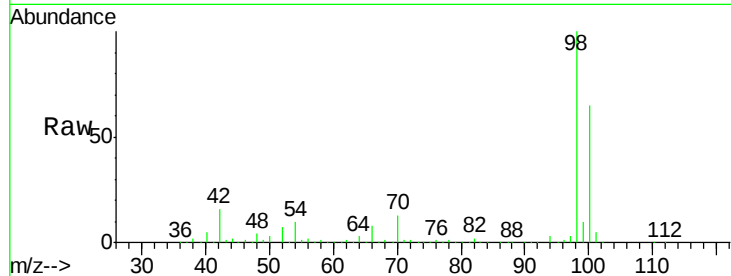
BP-VPB203-GW-618-620

Tot Ion: 98 Resp: 420729

Ion Ratio Lower Upper

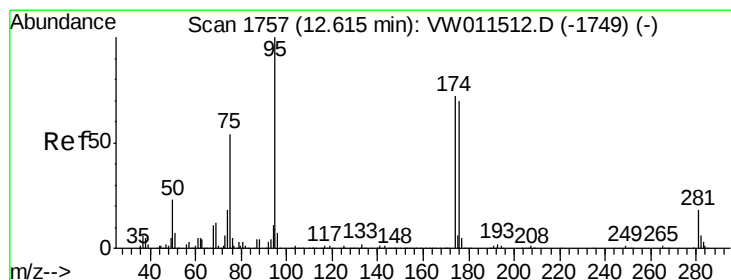
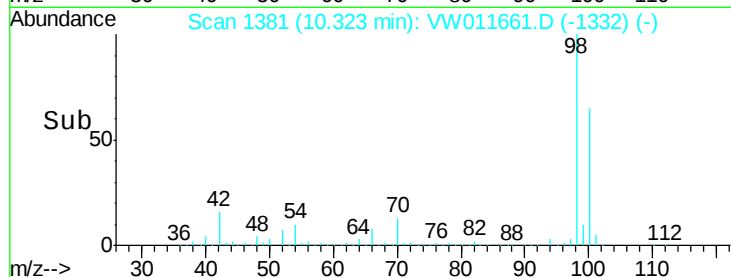
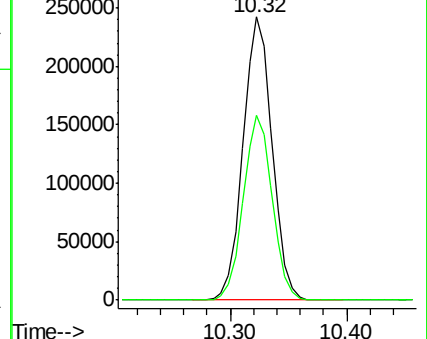
98 100

100 65.1 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: 52.042 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011661.D

Acq: 03 Aug 2019 13:13

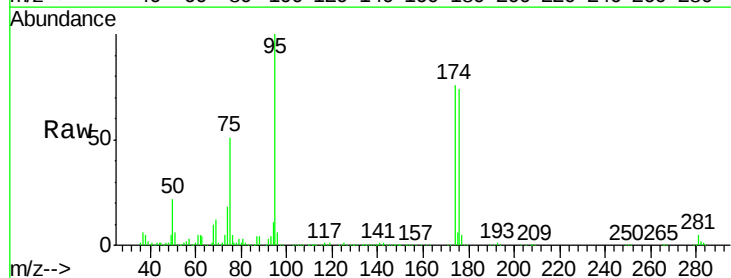
Tgt Ion: 95 Resp: 145705

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

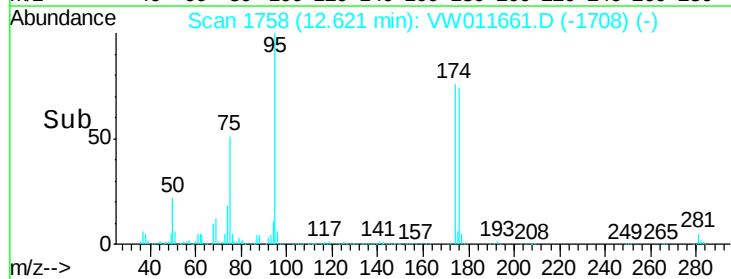
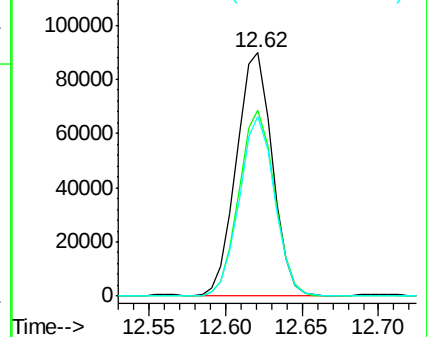
176 72.8 0.0 144.4

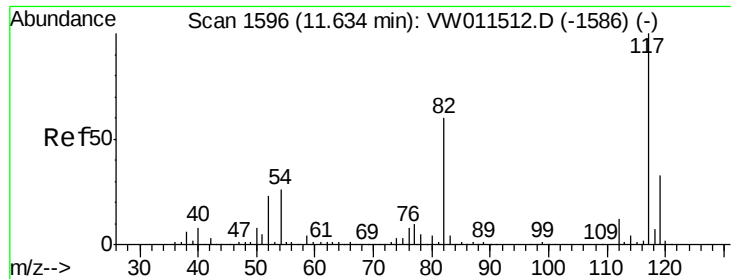


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

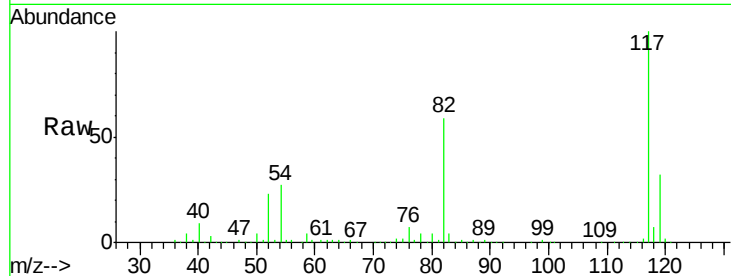




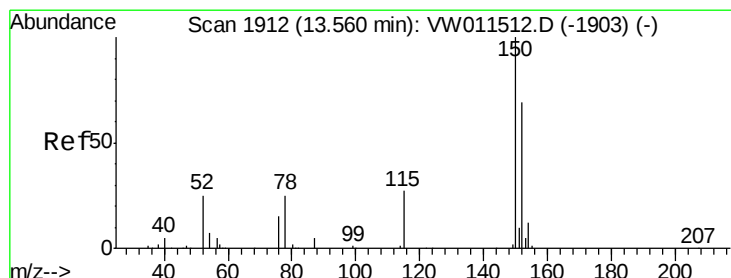
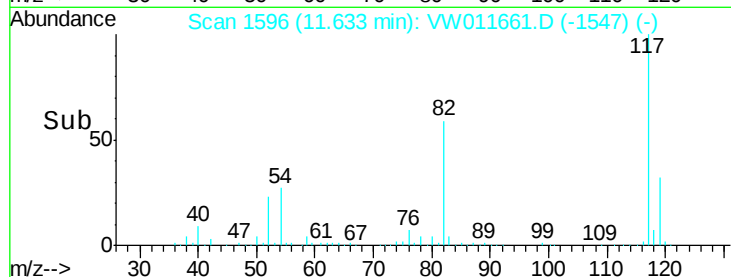
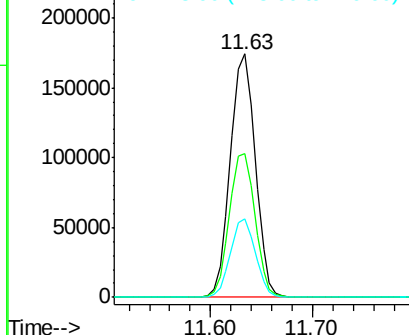
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011661.D  
Acq: 03 Aug 2019 13:13

Instrument :  
MSVOA\_W  
ClientSampleId :  
BP-VPB203-GW-618-620

Tot Ion:117 Resp: 295094  
Ion Ratio Lower Upper  
117 100  
82 59.2 47.9 71.9  
119 32.0 26.2 39.2

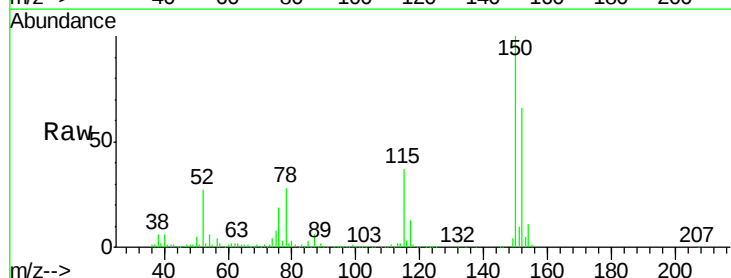


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW011661.D  
Acq: 03 Aug 2019 13:13

Tgt Ion:152 Resp: 129157  
Ion Ratio Lower Upper  
152 100  
115 60.1 30.5 91.5  
150 156.8 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

