

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\  
 Data File : VW007282.D  
 Acq On : 06 Dec 2018 16:49  
 Operator : SY/AP  
 Sample : VW1206SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1206SBL01

Quant Time: Dec 06 17:29:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 05 01:35:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 98472    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 149916   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 136085   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 67723    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 45442    | 49.57 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.14%  |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 42630    | 49.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.32%  |      |
| 50) Toluene-d8              | 10.32  | 98  | 194365   | 51.40 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.80% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 67384    | 47.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.42%  |      |

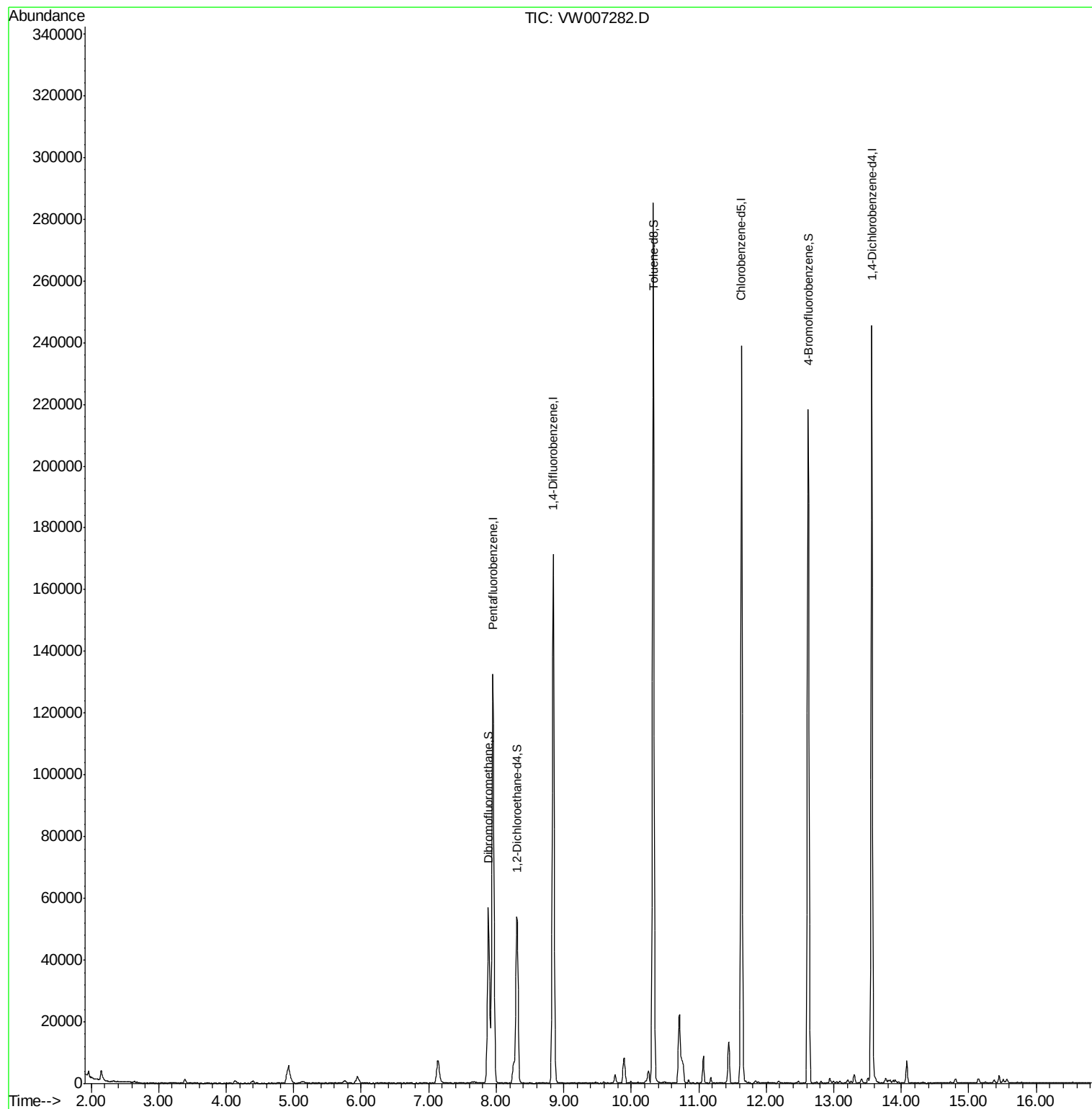
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

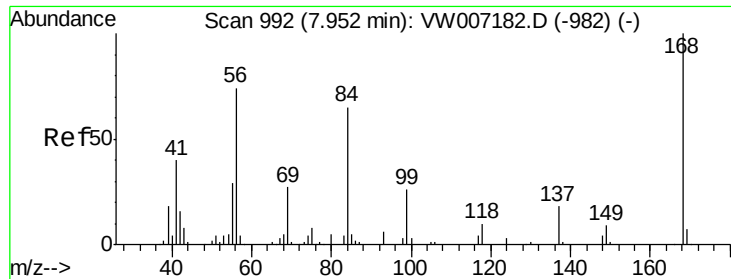
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\  
Data File : VW007282.D  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1206SBL01

Quant Time: Dec 06 17:29:06 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 05 01:35:23 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007282.D

Acq: 06 Dec 2018 16:49

Instrument :

MSVOA\_W

ClientSampleId :

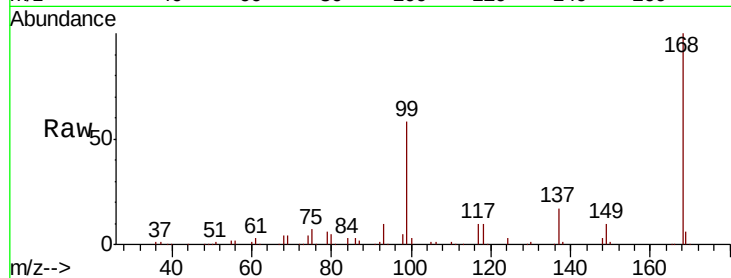
VW1206SBL01

Tot Ion:168 Resp: 98472

Ion Ratio Lower Upper

168 100

99 57.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

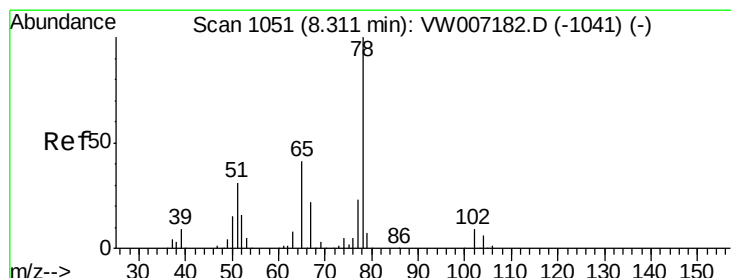
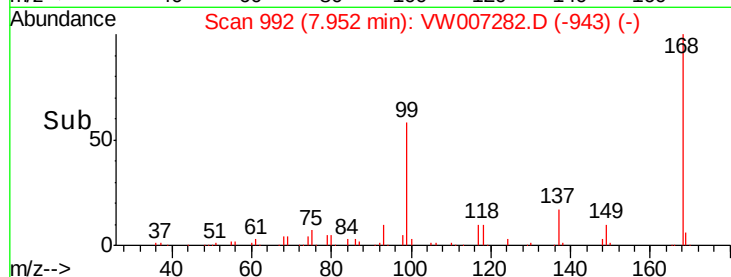
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 49.565 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007282.D

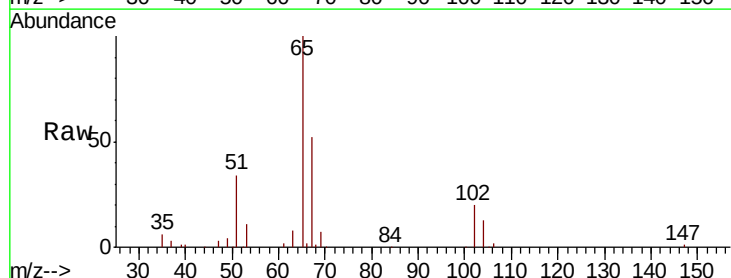
Acq: 06 Dec 2018 16:49

Tgt Ion: 65 Resp: 45442

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

20000

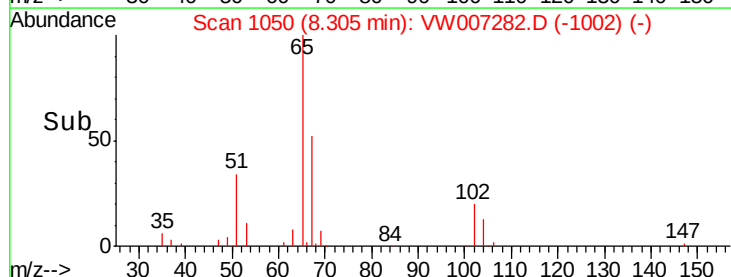
15000

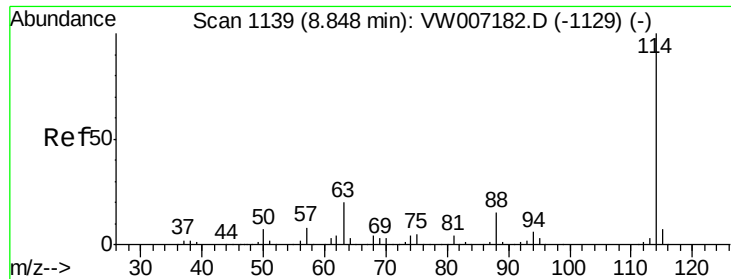
10000

5000

0

Time--> 8.20 8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW007282.D

Acq: 06 Dec 2018 16:49

Instrument :

MSVOA\_W

ClientSampleId :

VW1206SBL01

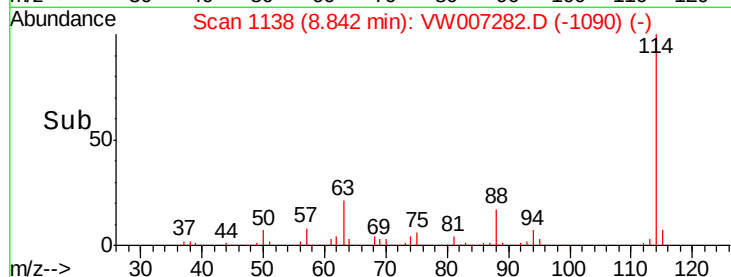
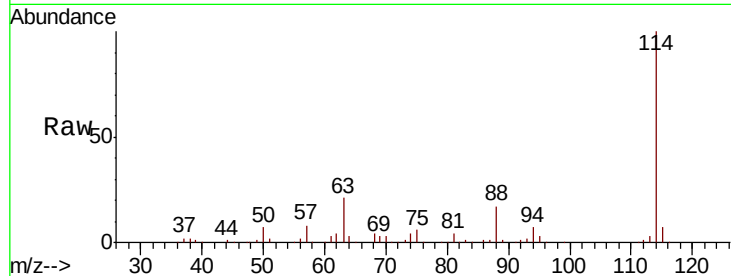
Tot Ion:114 Resp: 149916

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

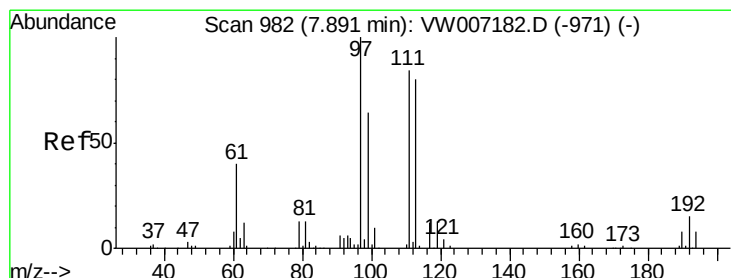
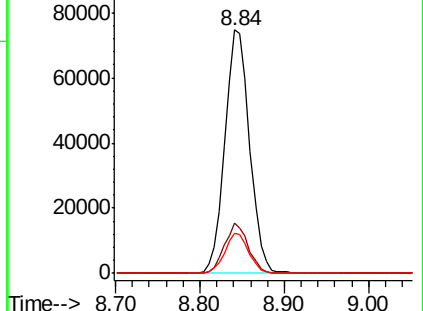
88 16.7 0.0 30.0



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: 49.661 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007282.D

Acq: 06 Dec 2018 16:49

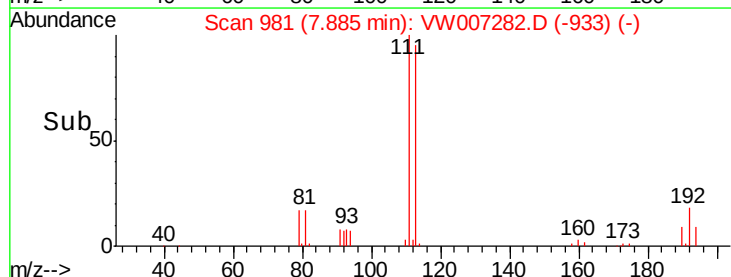
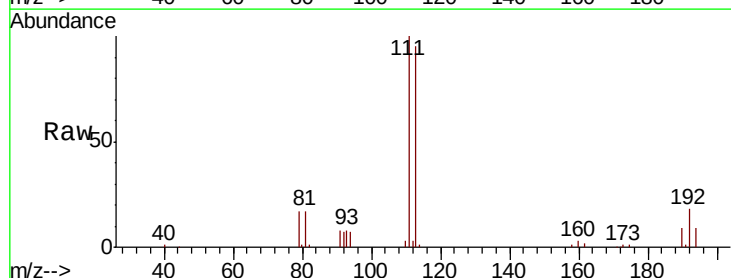
Tgt Ion:113 Resp: 42630

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

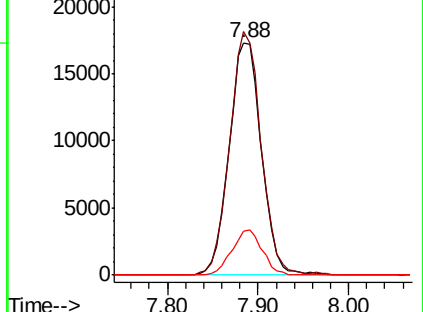
192 18.2 14.4 21.6

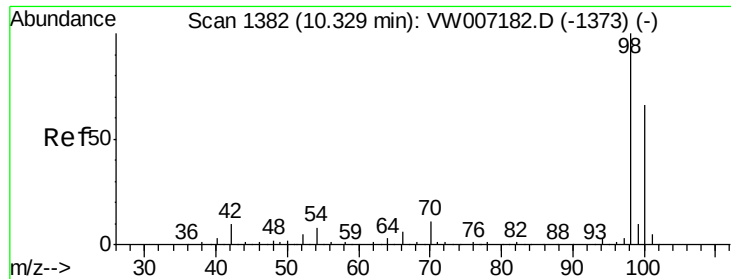


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.402 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007282.D

Acq: 06 Dec 2018 16:49

Instrument :

MSVOA\_W

ClientSampleId :

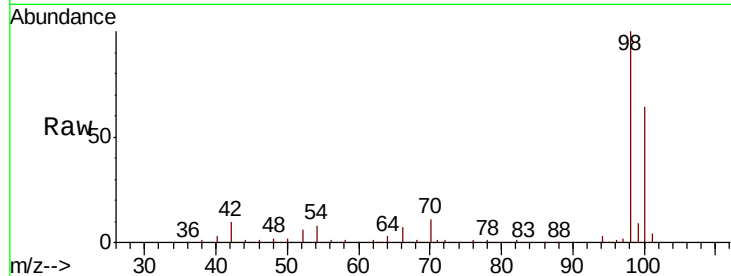
VW1206SBL01

Tot Ion: 98 Resp: 194365

Ion Ratio Lower Upper

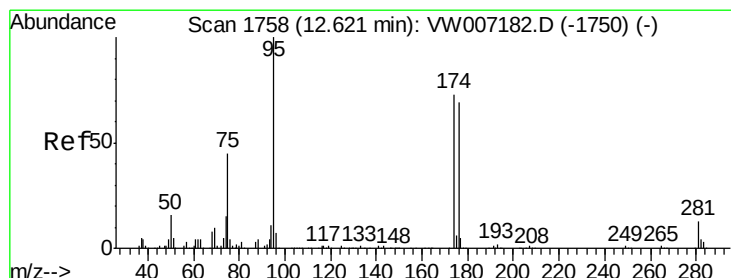
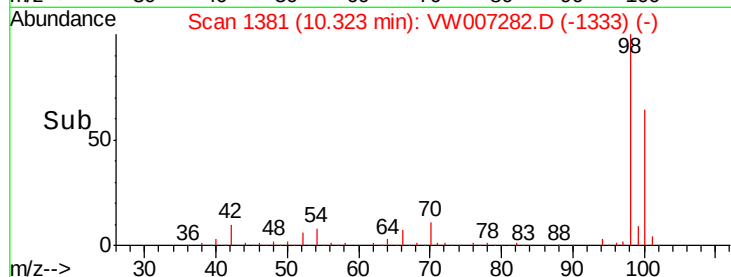
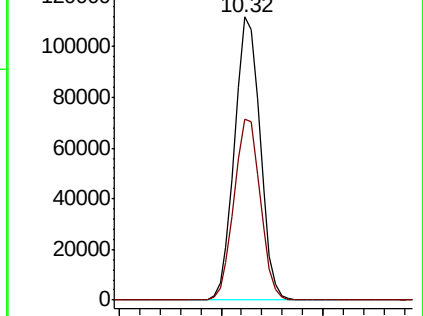
98 100

100 65.6 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: 47.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007282.D

Acq: 06 Dec 2018 16:49

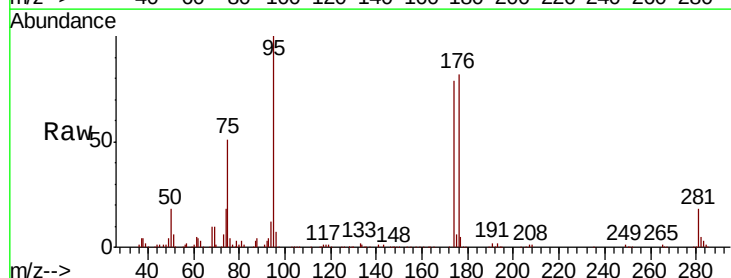
Tgt Ion: 95 Resp: 67384

Ion Ratio Lower Upper

95 100

174 78.5 0.0 148.0

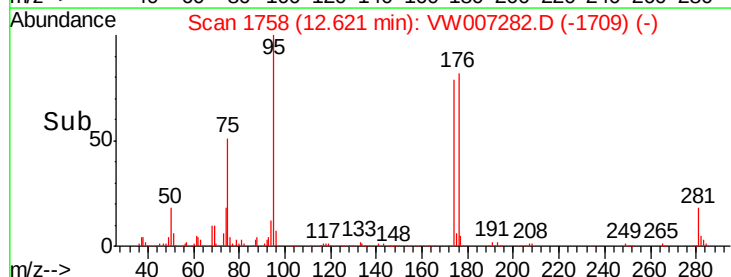
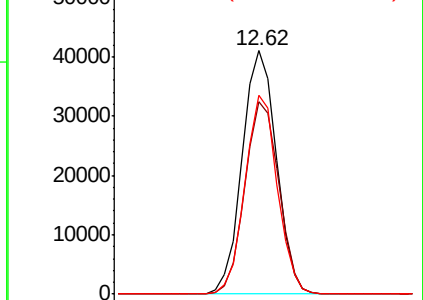
176 77.3 0.0 139.4

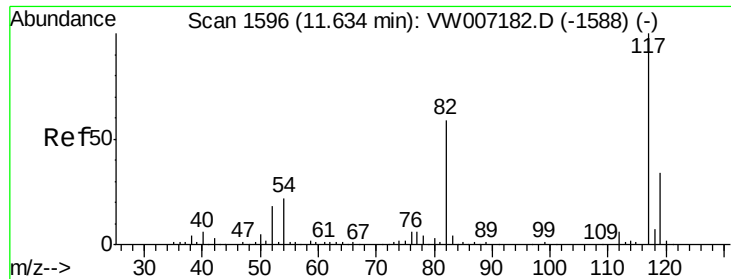


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

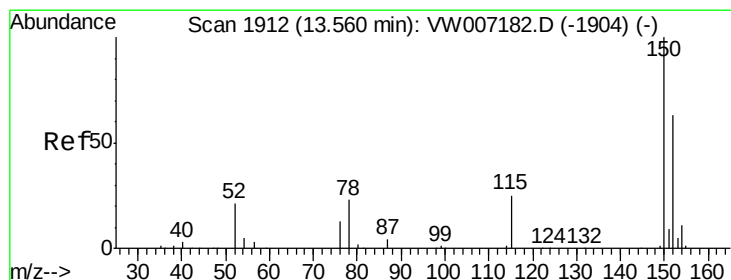
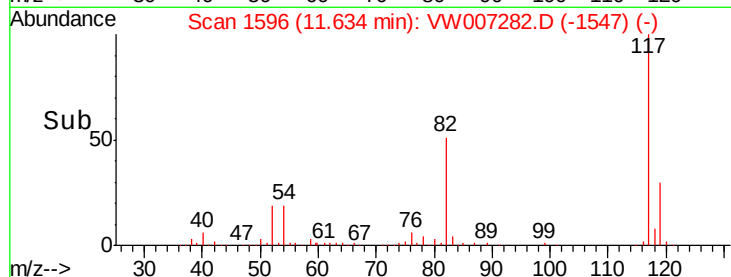
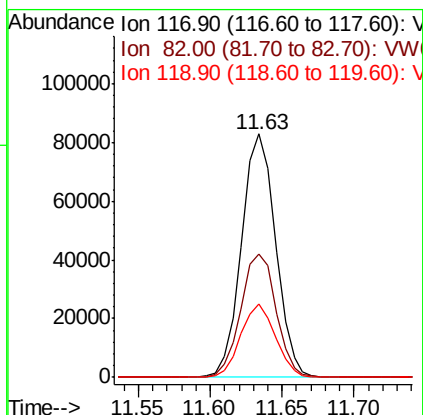
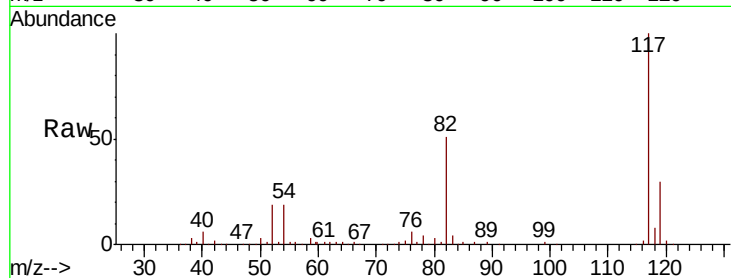




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007282.D  
Acq: 06 Dec 2018 16:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1206SBL01

Tot Ion:117 Resp: 136085  
Ion Ratio Lower Upper  
117 100  
82 50.8 47.4 71.2  
119 30.0 26.8 40.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. 0.01 min  
Lab File: VW007282.D  
Acq: 06 Dec 2018 16:49

Tgt Ion:152 Resp: 67723  
Ion Ratio Lower Upper  
152 100  
115 56.4 31.3 93.8  
150 151.4 0.0 358.0

