

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\  
 Data File : VW013765.D  
 Acq On : 28 Oct 2019 14:39  
 Operator : SY/VA  
 Sample : K5541-16RE  
 Misc : 5.39G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 18-12-(2.5)RE

Quant Time: Nov 07 07:49:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 23 14:11:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 273158   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 402911   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 305218   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 105673   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 107575   | 52.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.00% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 115515   | 51.60 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.20% |      |
| 50) Toluene-d8              | 10.32  | 98  | 446865   | 48.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.96%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 115187   | 37.29 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 74.58%  |      |

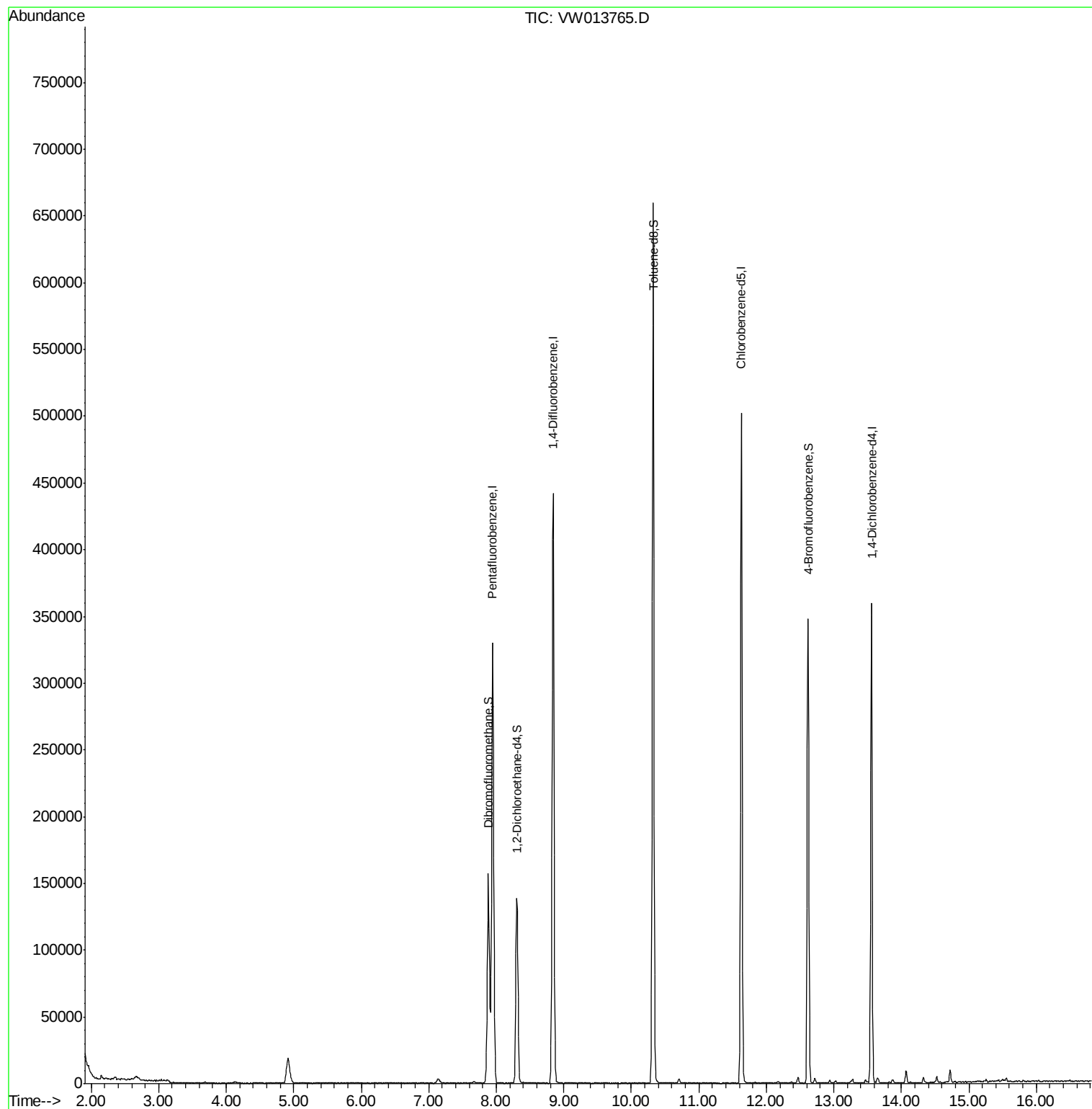
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

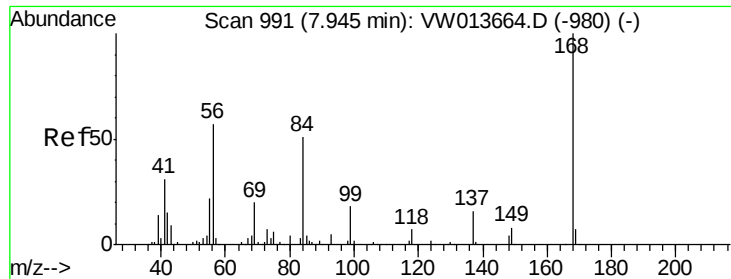
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102819\  
Data File : VW013765.D  
Acq On : 28 Oct 2019 14:39  
Operator : SY/VA  
Sample : K5541-16RE  
Misc : 5.39G/5ML/MSVOA W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
18-12-(2.5)RE

Quant Time: Nov 07 07:49:02 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 23 14:11:46 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: VW013765.D

Acq: 28 Oct 2019 14:39

Instrument :

MSVOA\_W

ClientSampleId :

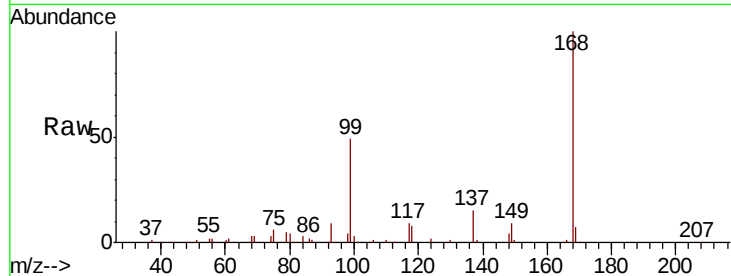
18-12-(2.5)RE

Tot Ion:168 Resp: 273158

Ion Ratio Lower Upper

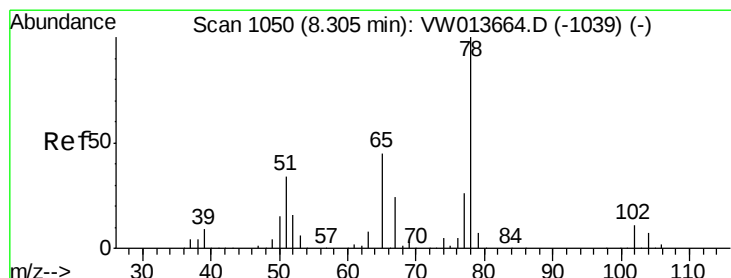
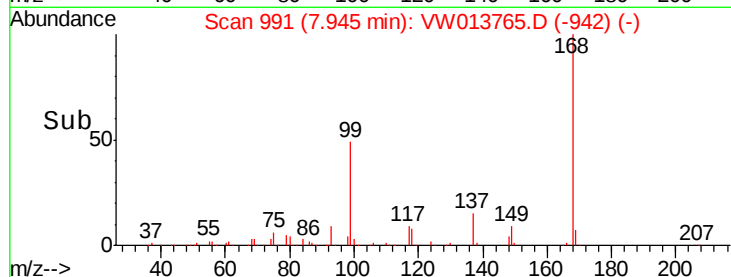
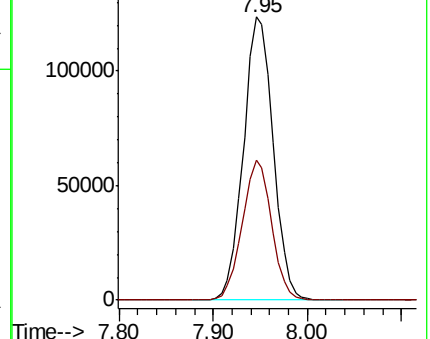
168 100

99 49.3 39.0 58.6



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: 52.498 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013765.D

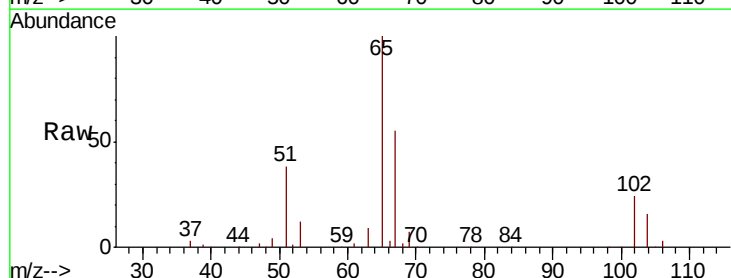
Acq: 28 Oct 2019 14:39

Tgt Ion: 65 Resp: 107575

Ion Ratio Lower Upper

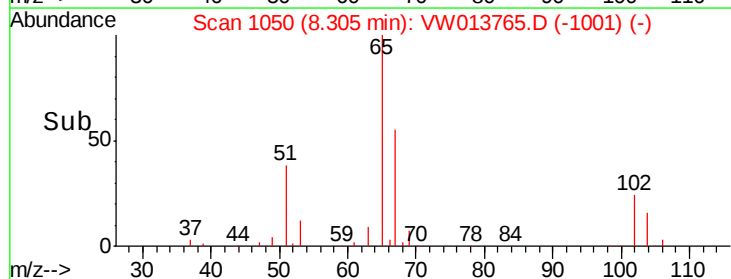
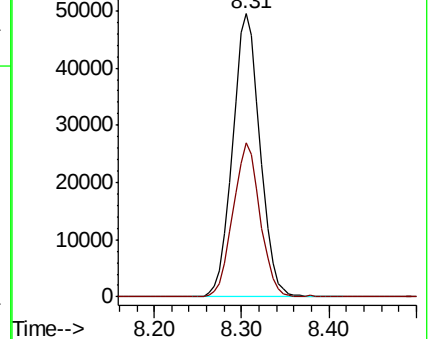
65 100

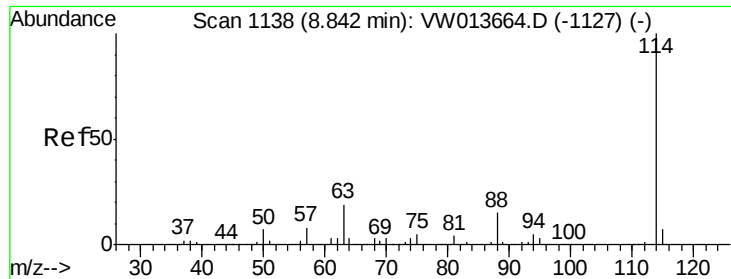
67 53.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

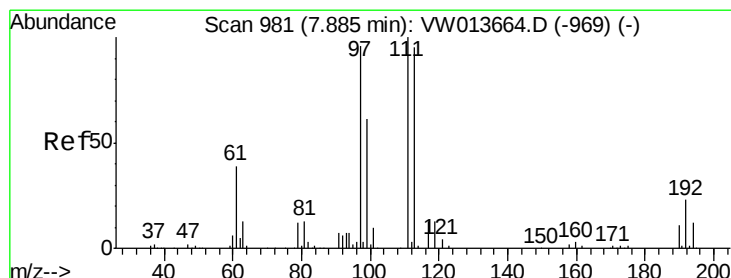
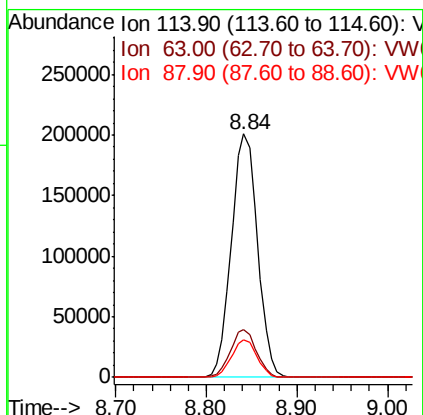
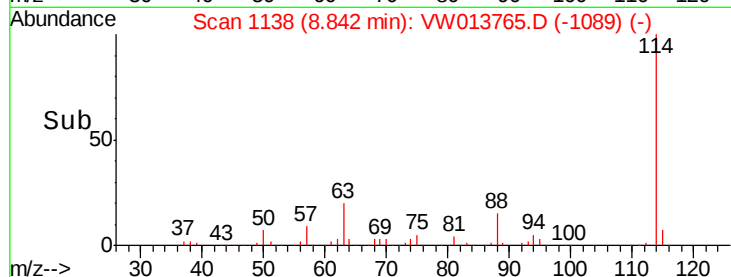
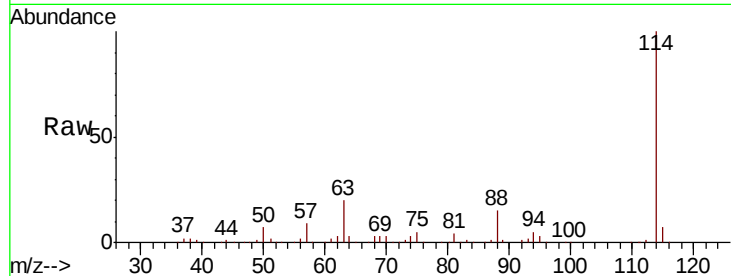




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW013765.D  
Acq: 28 Oct 2019 14:39

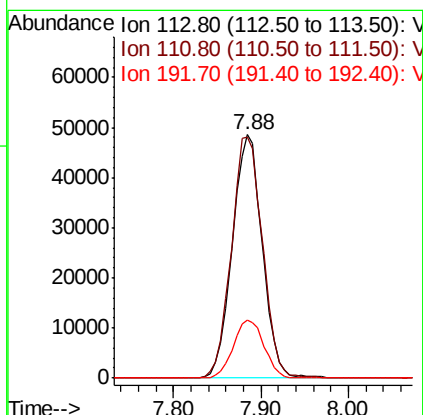
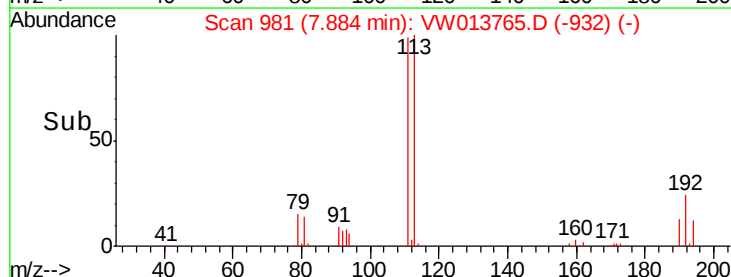
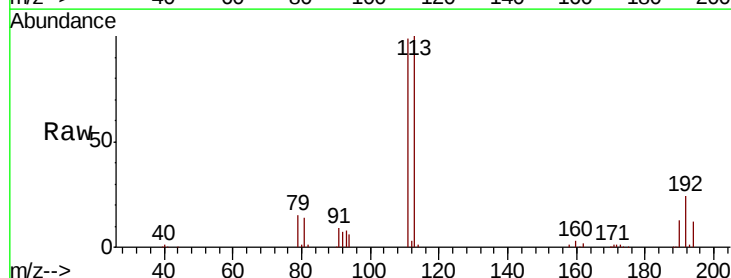
Instrument :  
MSVOA\_W  
ClientSampleId :  
18-12-(2.5)RE

Tot Ion:114 Resp: 402911  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 37.6  
88 15.4 0.0 30.2



#35  
Dibromofluoromethane  
Concen: 51.597 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW013765.D  
Acq: 28 Oct 2019 14:39

Tgt Ion:113 Resp: 115515  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.0 124.6  
192 24.3 19.4 29.2





#50

Toluene-d8

Concen: 48.985 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013765.D

Acq: 28 Oct 2019 14:39

Instrument :

MSVOA\_W

ClientSampleId :

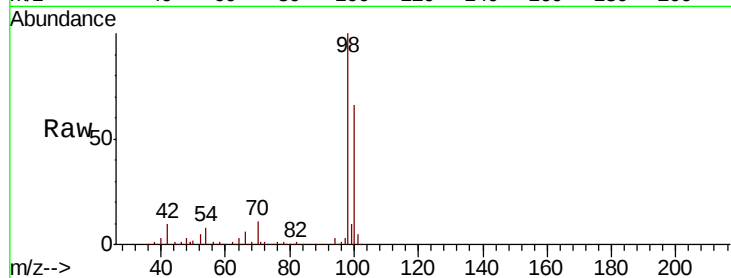
18-12-(2.5)RE

Tot Ion: 98 Resp: 446865

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

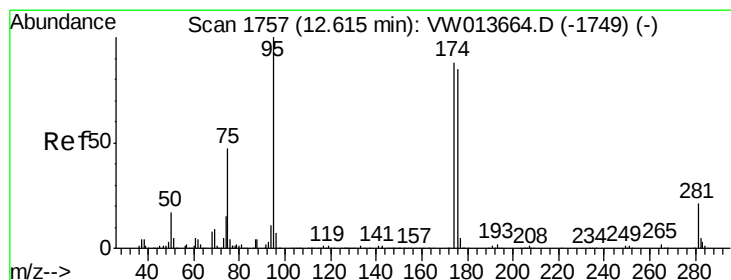
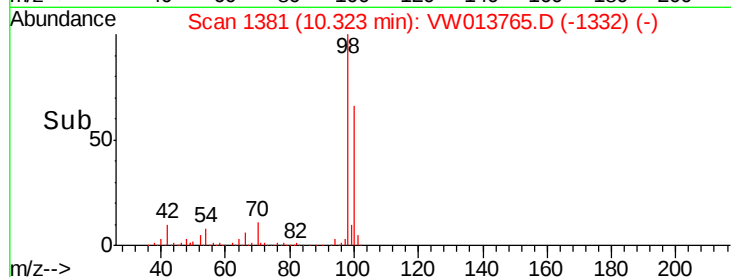
150000

100000

50000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 37.290 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW013765.D

Acq: 28 Oct 2019 14:39

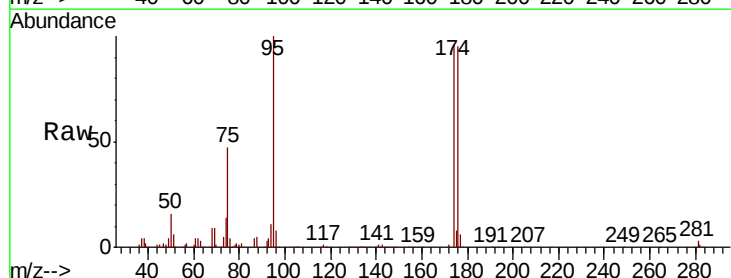
Tgt Ion: 95 Resp: 115187

Ion Ratio Lower Upper

95 100

174 94.1 0.0 183.6

176 90.9 0.0 178.0



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

12.62

80000

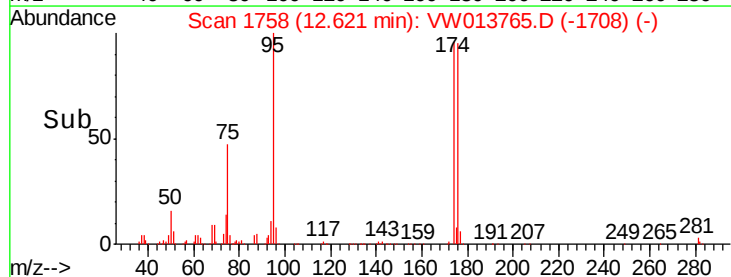
60000

40000

20000

0

Time--> 12.50 12.60 12.70

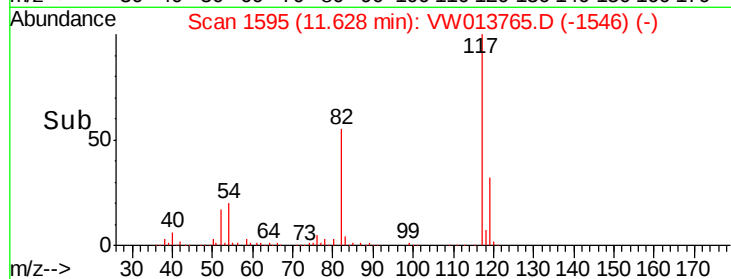
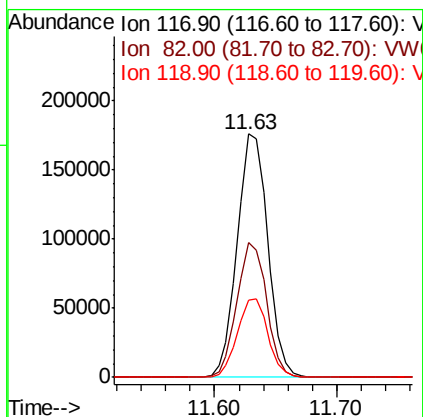
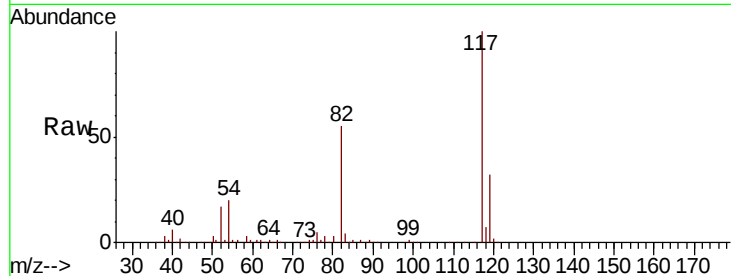




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013765.D  
Acq: 28 Oct 2019 14:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
18-12-(2.5)RE

Tot Ion:117 Resp: 305218  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.6 65.4  
119 31.7 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW013765.D  
Acq: 28 Oct 2019 14:39

Tgt Ion:152 Resp: 105673  
Ion Ratio Lower Upper  
152 100  
115 52.8 27.4 82.2  
150 151.8 0.0 345.4

