

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW010620\  
 Data File : VW014518.D  
 Acq On : 06 Jan 2020 12:41  
 Operator : SY/VA  
 Sample : VW0106SBL01  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0106SBL01

Quant Time: Jan 07 08:59:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 03 16:07:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 787815   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 1209212  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 1042758  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 468288   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 347410   | 50.44 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.88% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 343584   | 49.72 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.44%  |      |
| 50) Toluene-d8              | 10.32  | 98  | 1376632  | 47.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.46%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 446873   | 45.68 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.36%  |      |

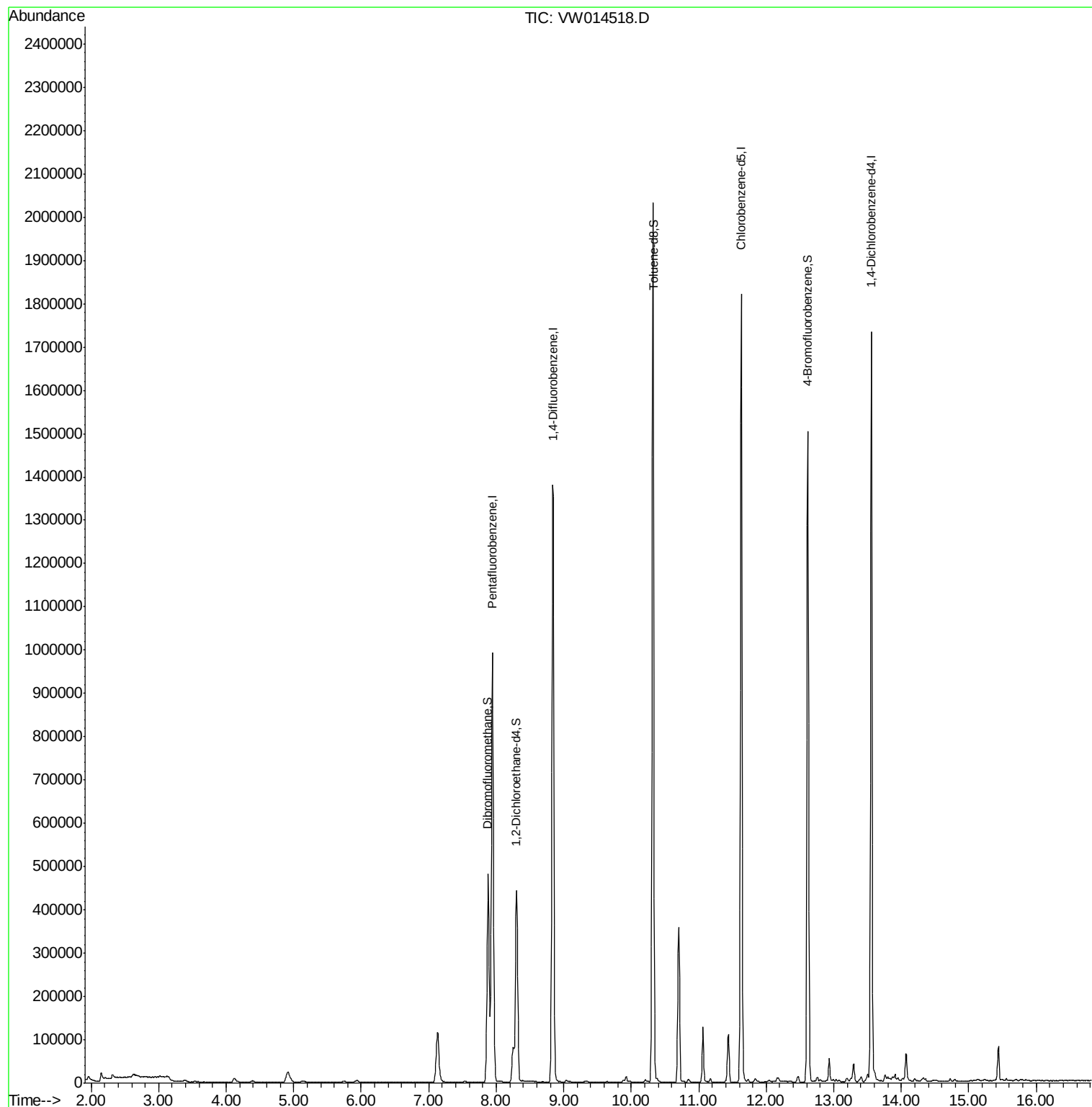
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

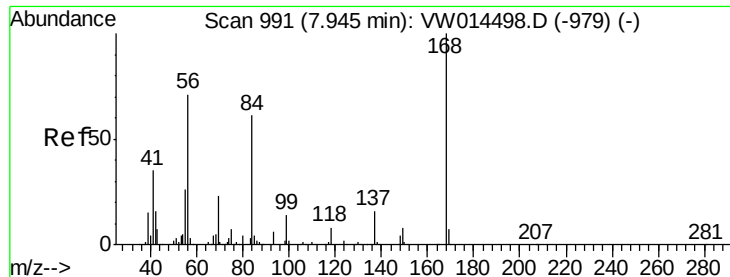
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW010620\  
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MSVOA\_W  
ClientSampleId :  
VW0106SBL01

Quant Time: Jan 07 08:59:19 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 03 16:07:20 2020  
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: VW014518.D

Acq: 06 Jan 2020 12:41

Instrument :

MSVOA\_W

ClientSampleId :

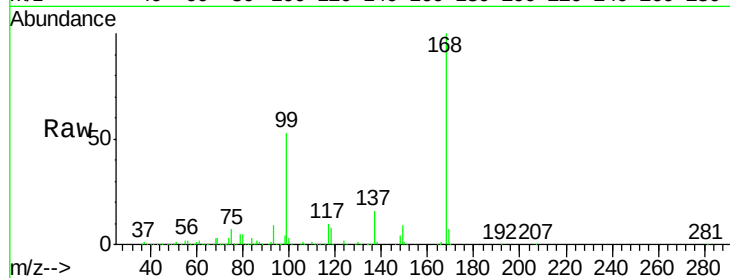
VW0106SBL01

Tgt Ion:168 Resp: 787815

Ion Ratio Lower Upper

168 100

99 53.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

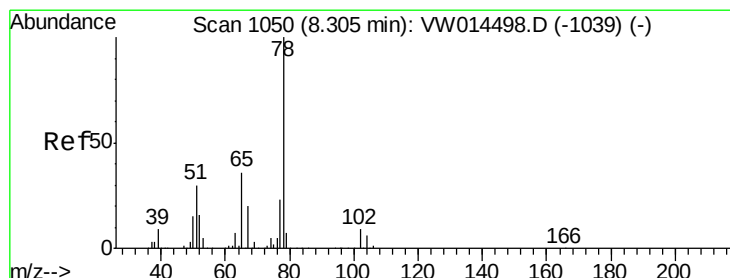
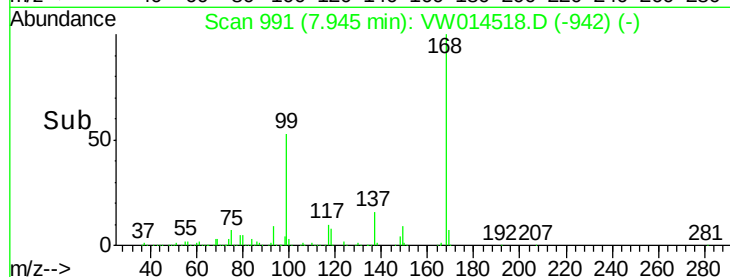
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.437 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014518.D

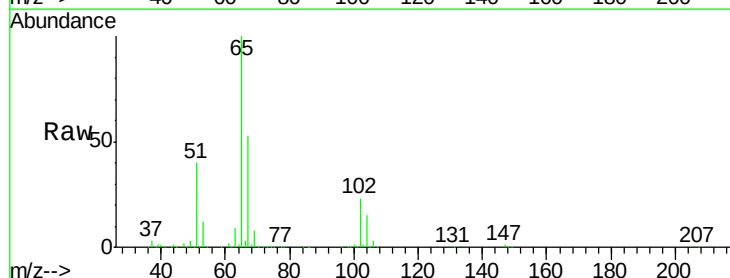
Acq: 06 Jan 2020 12:41

Tgt Ion: 65 Resp: 347410

Ion Ratio Lower Upper

65 100

67 54.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

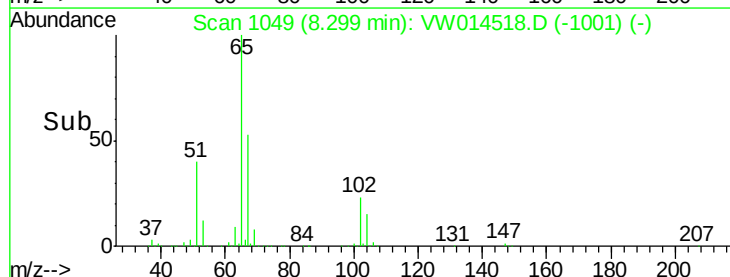
150000

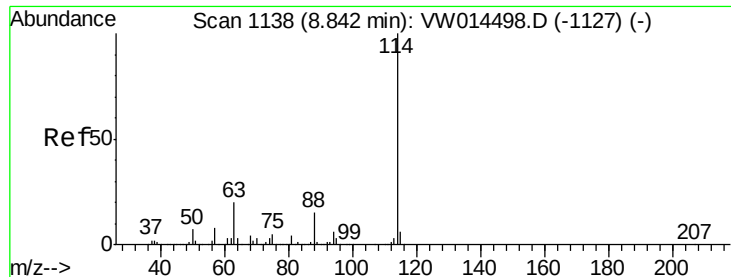
100000

50000

0

Time-->



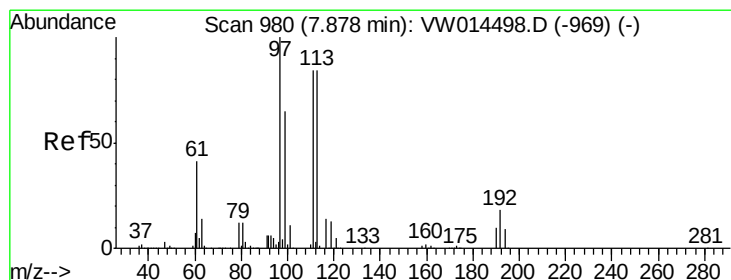
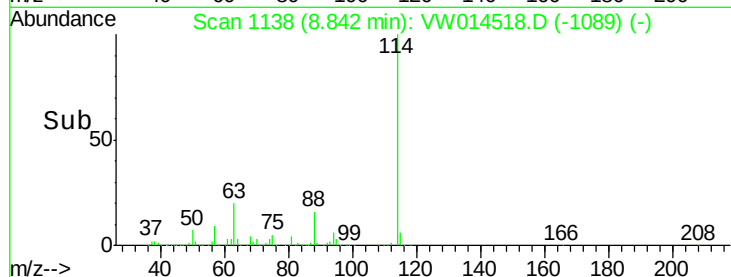
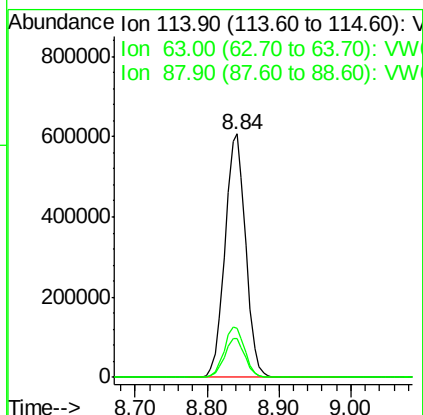
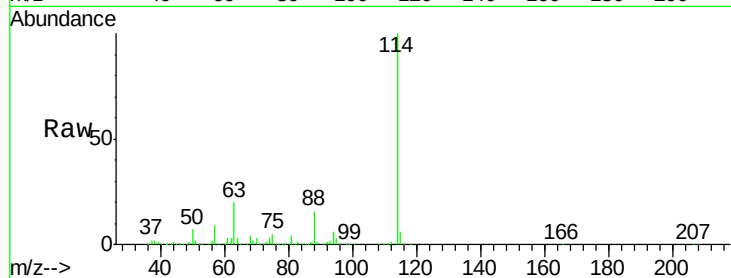


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW014518.D  
 Acq: 06 Jan 2020 12:41

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0106SBL01

Tgt Ion:114 Resp: 1209212

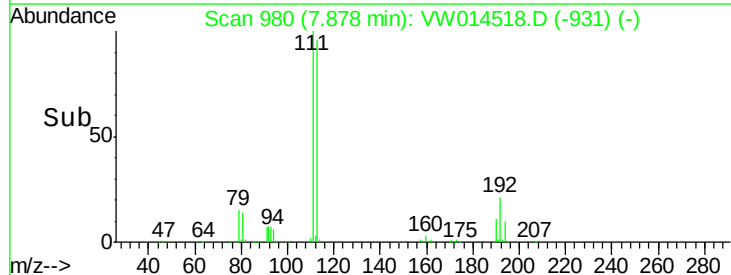
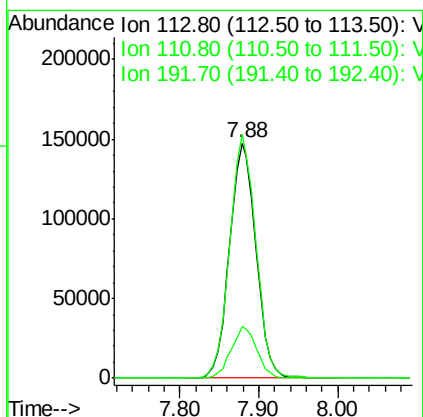
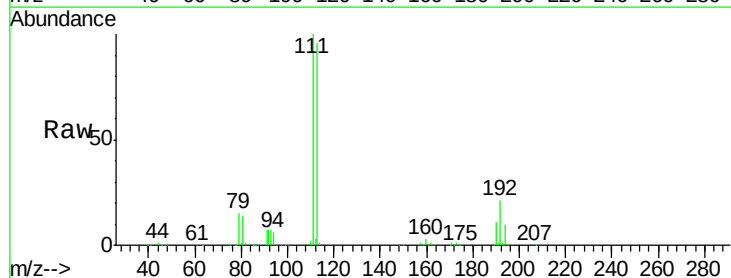
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.0  | 0.0   | 40.4  |
| 88  | 15.8  | 0.0   | 30.6  |

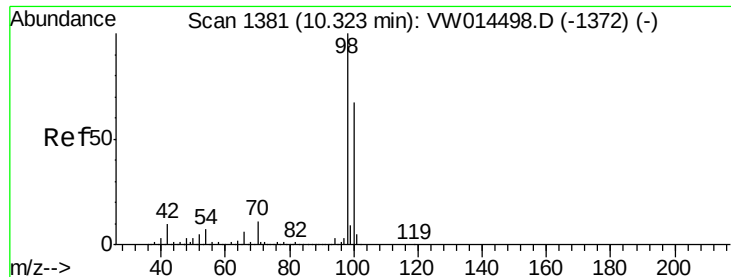


#35  
 Dibromofluoromethane  
 Concen: 49.717 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW014518.D  
 Acq: 06 Jan 2020 12:41

Tgt Ion:113 Resp: 343584

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.7 | 81.4  | 122.2 |
| 192 | 21.4  | 17.8  | 26.8  |





#50

Toluene-d8

Concen: 47.732 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014518.D

Acq: 06 Jan 2020 12:41

Instrument :

MSVOA\_W

ClientSampleId :

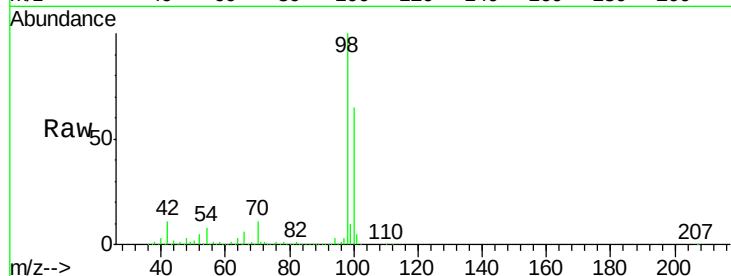
VW0106SBL01

Tgt Ion: 98 Resp: 1376632

Ion Ratio Lower Upper

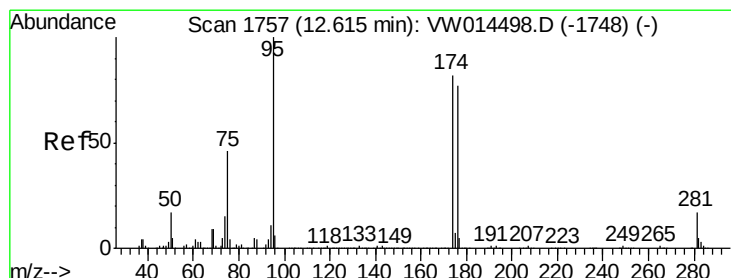
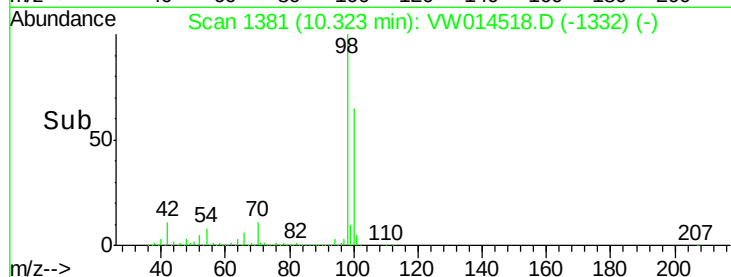
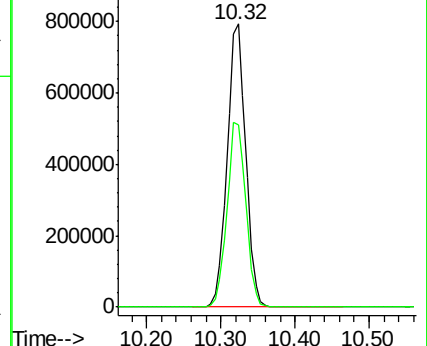
98 100

100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 45.681 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014518.D

Acq: 06 Jan 2020 12:41

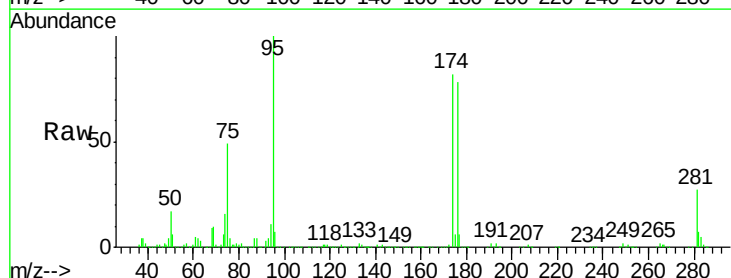
Tgt Ion: 95 Resp: 446873

Ion Ratio Lower Upper

95 100

174 83.1 0.0 168.6

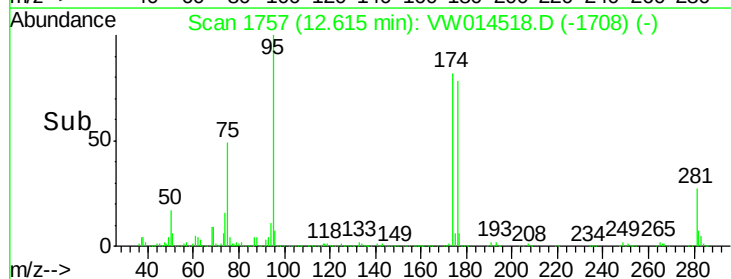
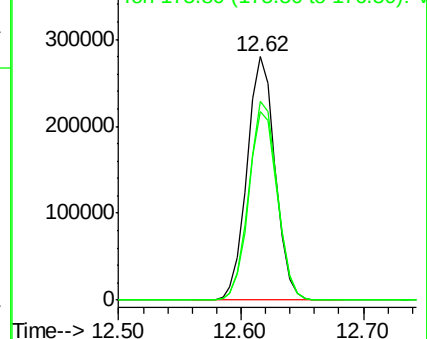
176 79.5 0.0 162.0

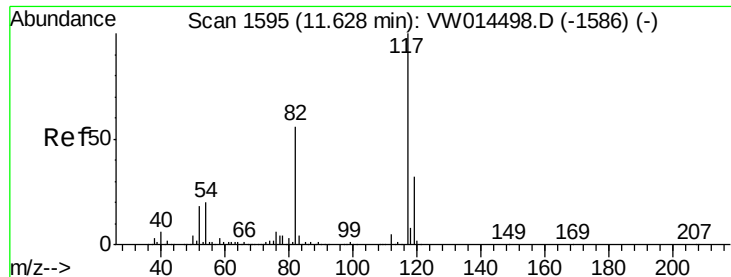


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

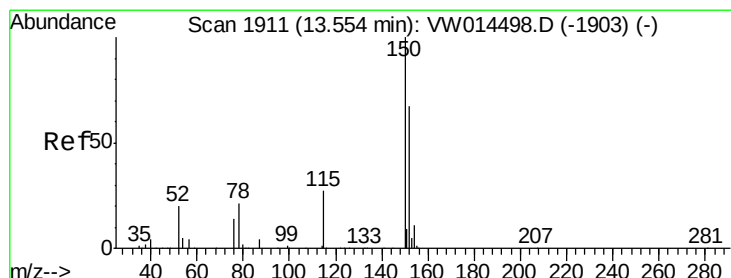
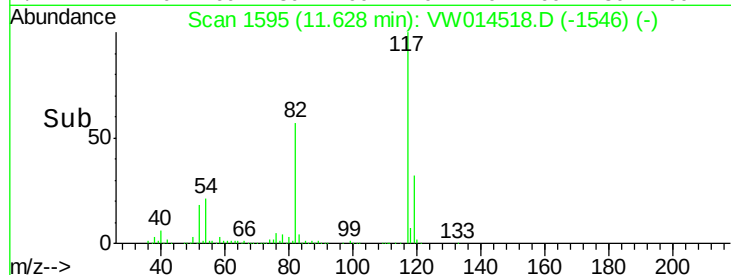
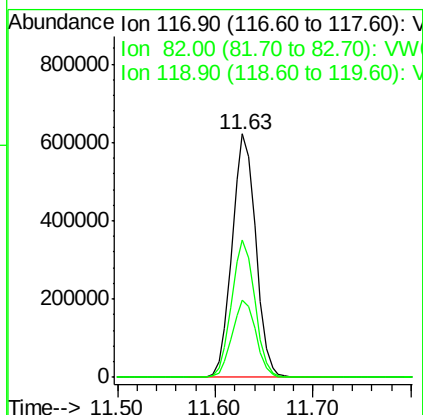
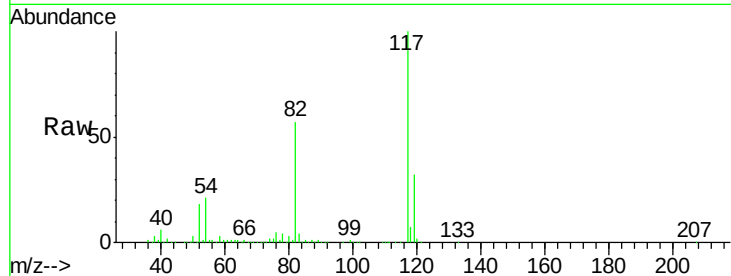




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW014518.D  
Acq: 06 Jan 2020 12:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0106SBL01

Tgt Ion:117 Resp: 1042758  
Ion Ratio Lower Upper  
117 100  
82 56.6 44.6 67.0  
119 31.9 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.55 min Scan# 1911  
Delta R.T. 0.00 min  
Lab File: VW014518.D  
Acq: 06 Jan 2020 12:41

Tgt Ion:152 Resp: 468288  
Ion Ratio Lower Upper  
152 100  
115 57.6 27.7 83.1  
150 159.1 0.0 343.4

