

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\  
 Data File : VW011978.D  
 Acq On : 19 Aug 2019 09:21  
 Operator : SY/VA  
 Sample : VW0819SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0819SBL01

Quant Time: Aug 19 11:07:18 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  | 235370   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 387211   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 321645   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 134292   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 135565   | 50.16 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.32% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 115140   | 53.00 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.00% |          |
| 50) Toluene-d8              | 10.32 | 98   | 472016   | 53.07 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.14% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 153996   | 48.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.12%  |          |

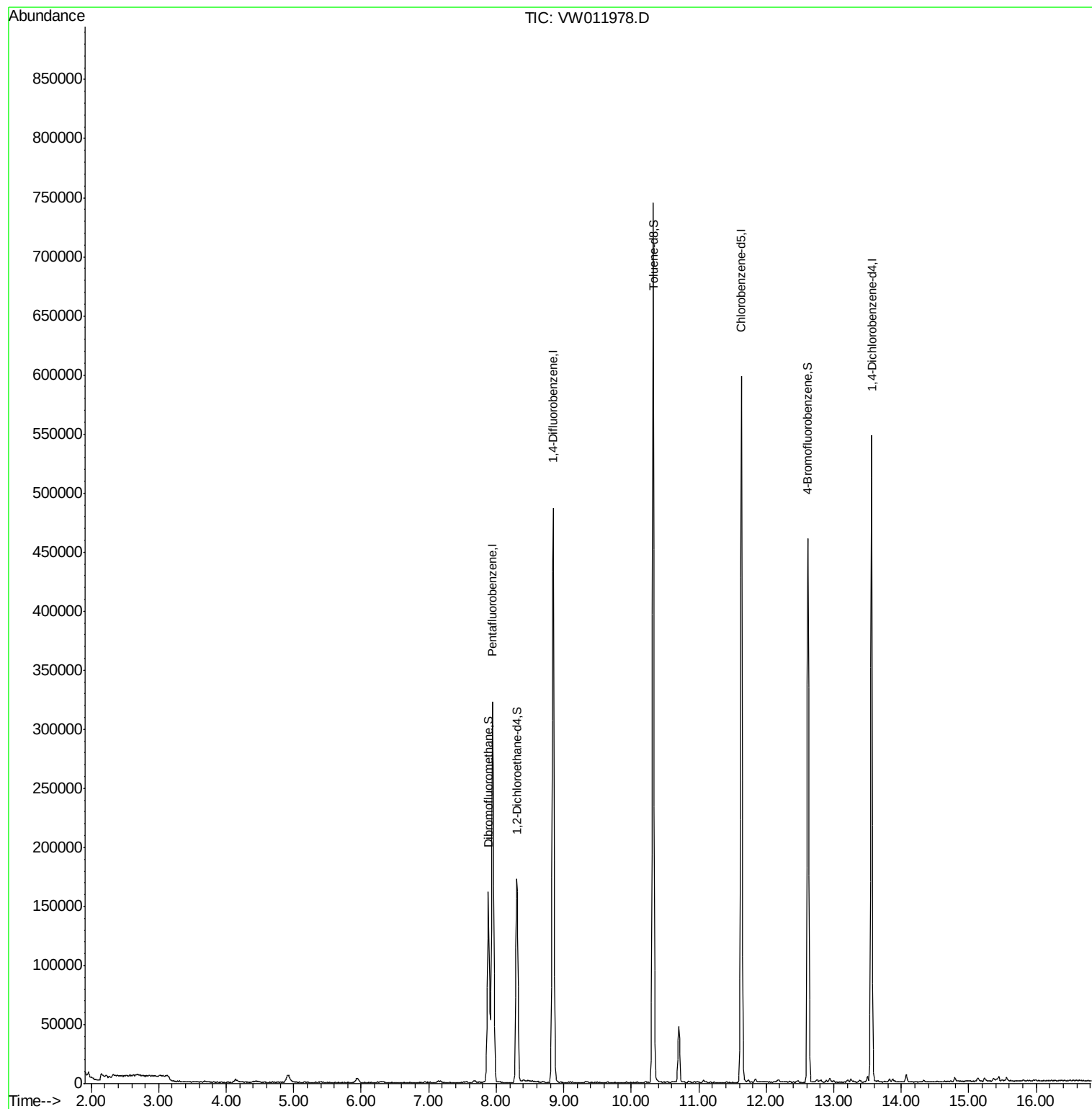
Target Compounds Qvalue

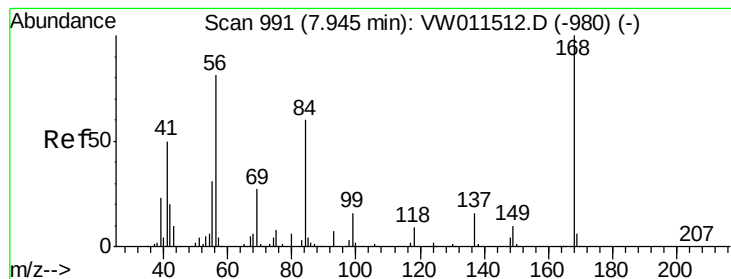
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\  
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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: VW011978.D

Acq: 19 Aug 2019 09:21

Instrument :

MSVOA\_W

ClientSampleId :

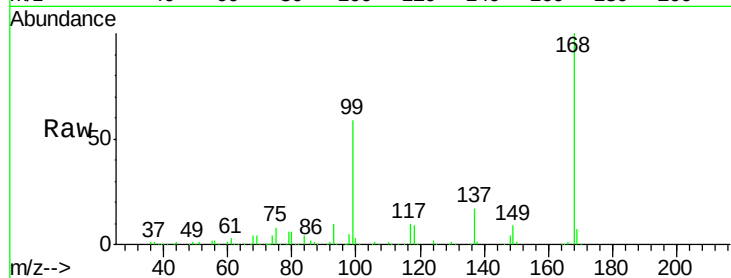
VW0819SBL01

Tot Ion:168 Resp: 235370

Ion Ratio Lower Upper

168 100

99 59.3 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

120000

100000

80000

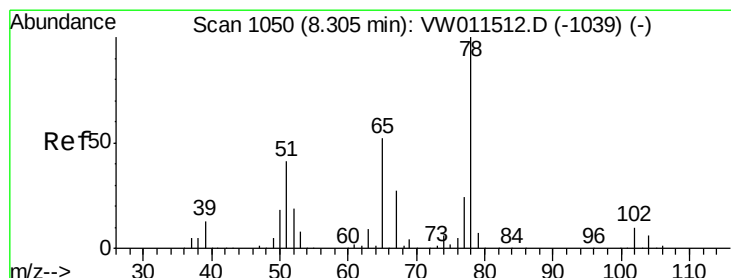
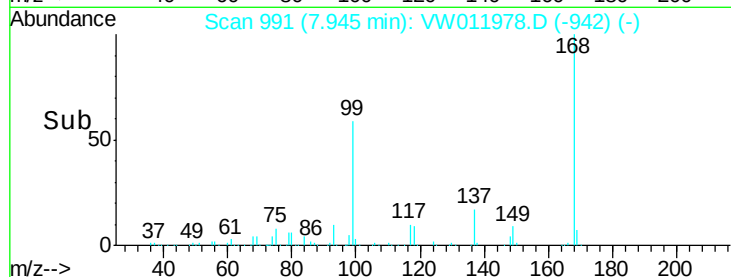
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 50.159 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011978.D

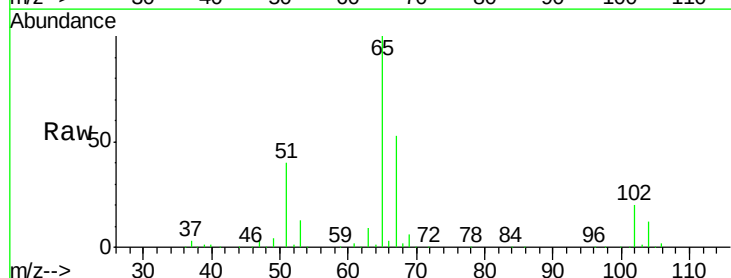
Acq: 19 Aug 2019 09:21

Tgt Ion: 65 Resp: 135565

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

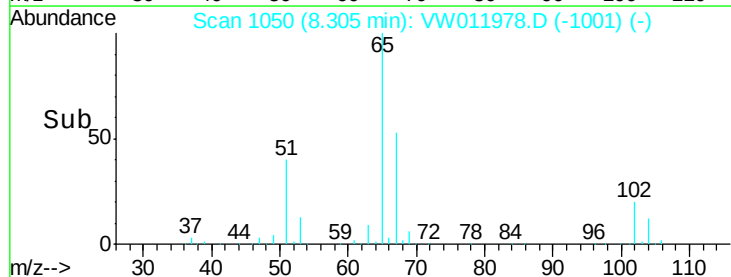
60000

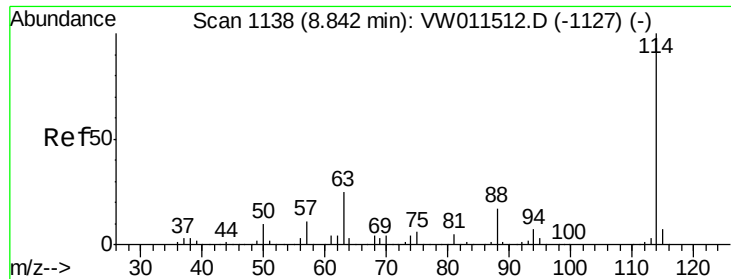
40000

20000

0

Time--> 8.20 8.30 8.40

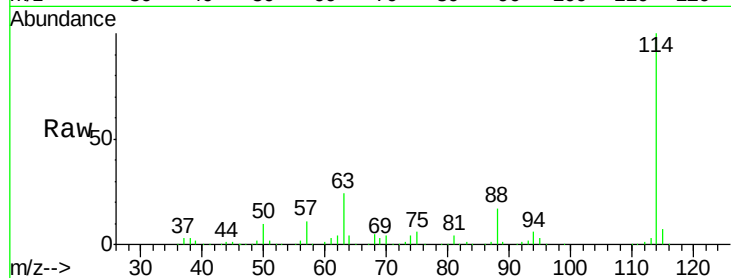




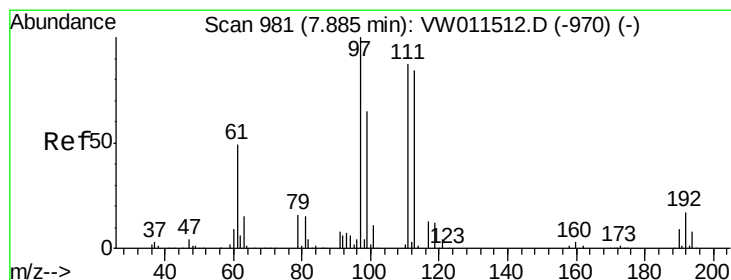
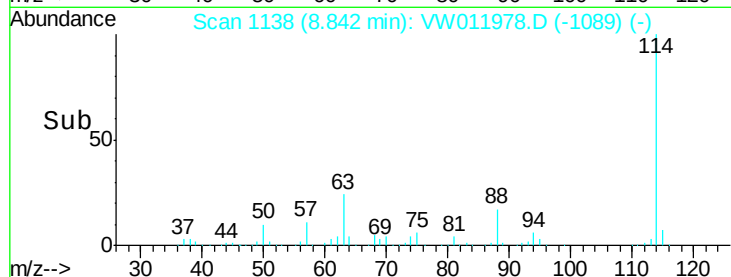
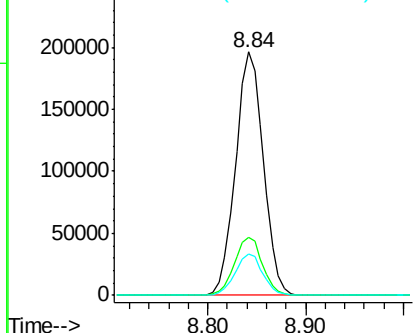
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW011978.D  
Acq: 19 Aug 2019 09:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBL01

Tot Ion:114 Resp: 387211  
Ion Ratio Lower Upper  
114 100  
63 23.9 0.0 49.2  
88 16.8 0.0 33.8

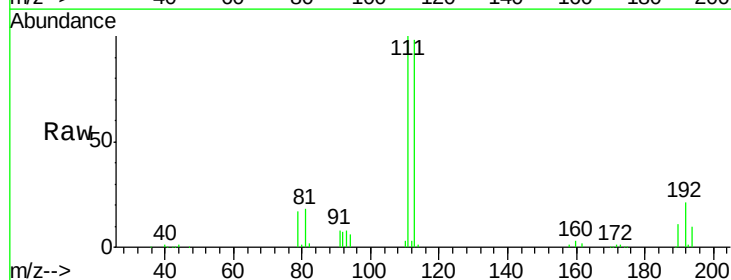


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

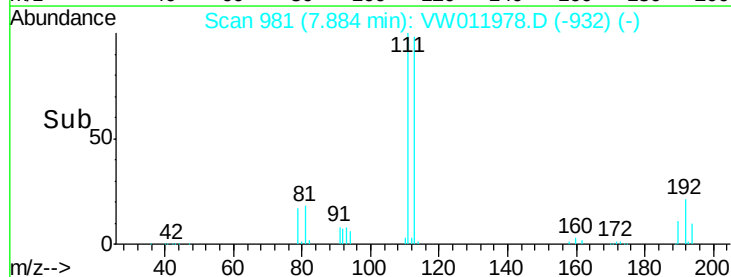
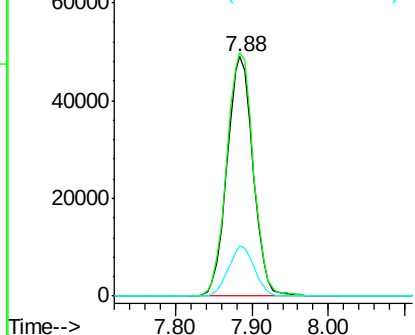


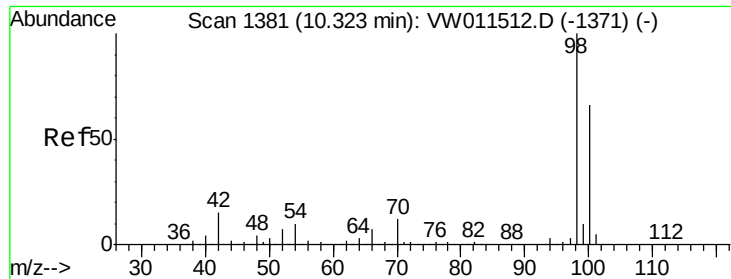
#35  
Dibromofluoromethane  
Concen: 53.003 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW011978.D  
Acq: 19 Aug 2019 09:21

Tgt Ion:113 Resp: 115140  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.7 124.1  
192 20.8 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

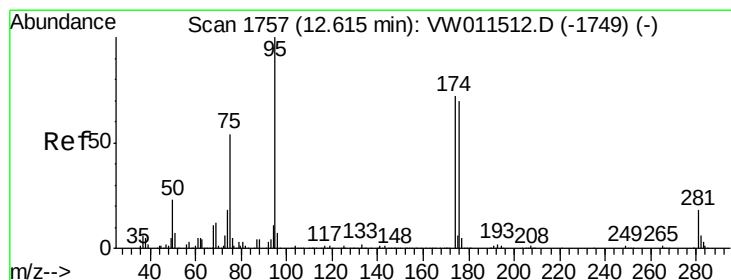
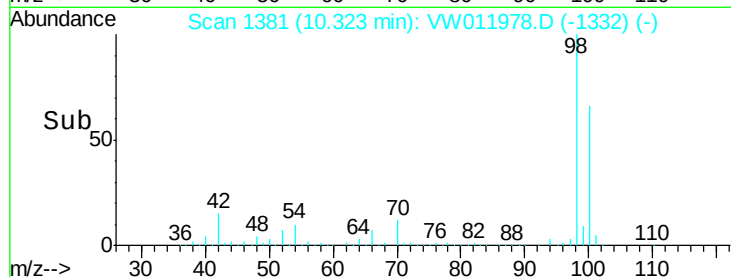
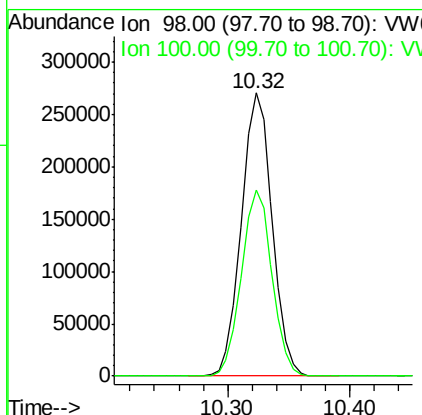
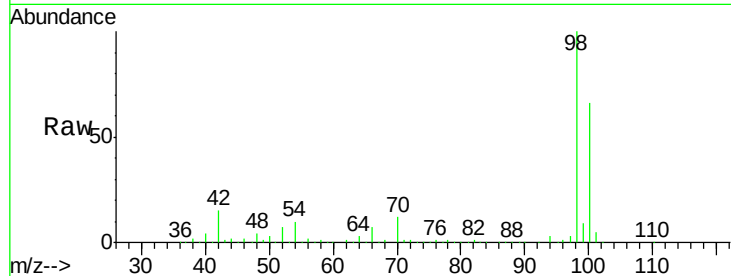




#50  
Toluene-d8  
Concen: 53.071 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011978.D  
Acq: 19 Aug 2019 09:21

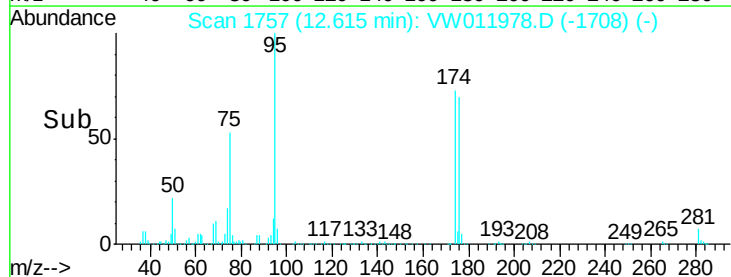
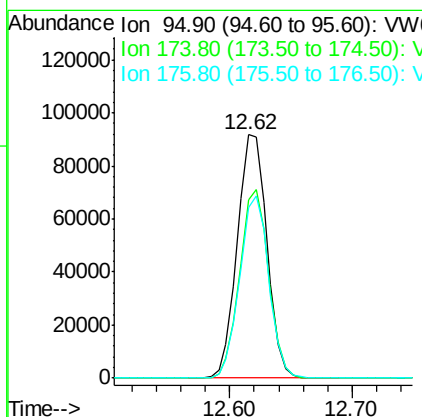
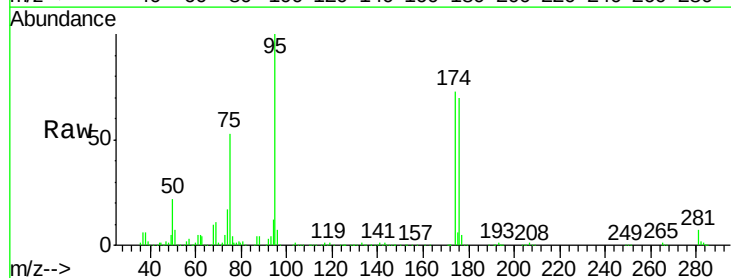
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBL01

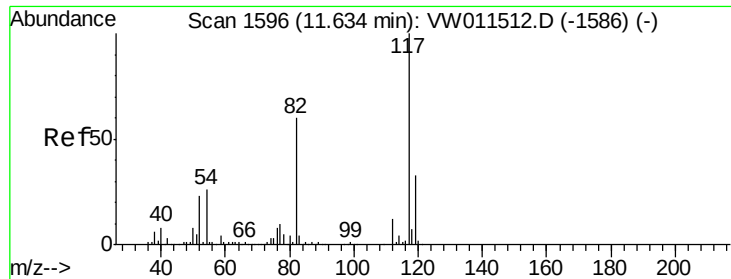
Tot Ion: 98 Resp: 472016  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 48.565 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW011978.D  
Acq: 19 Aug 2019 09:21

Tgt Ion: 95 Resp: 153996  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 150.2  
176 73.4 0.0 144.4

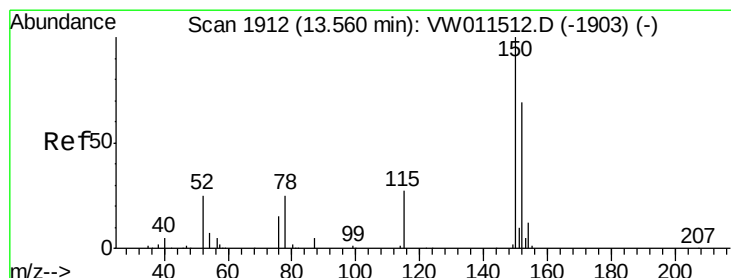
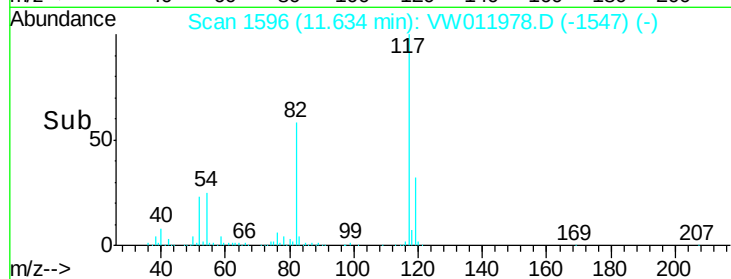
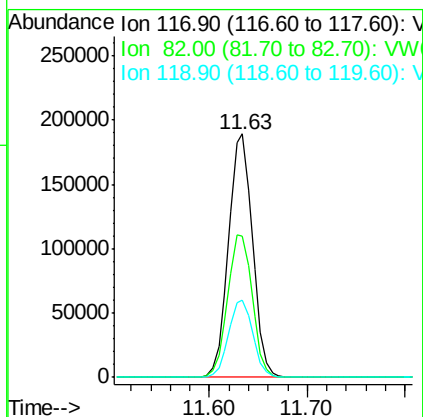
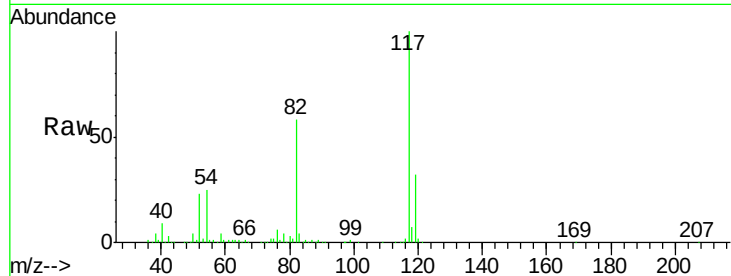




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011978.D  
Acq: 19 Aug 2019 09:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0819SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.2  | 47.9  | 71.9  |
| 119     | 31.7  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW011978.D  
Acq: 19 Aug 2019 09:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.2  | 30.5  | 91.5  |
| 150     | 158.4 | 0.0   | 352.6 |

