

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\  
 Data File : VW004812.D  
 Acq On : 21 Aug 2018 02:01  
 Operator : SY/AP  
 Sample : J4500-05RE  
 Misc : 4.92G/5ML/MSVOA W/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-2RE

Quant Time: Aug 21 07:37:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081918S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 18 01:49:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 433287   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 734254   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 660353   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 275928   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 281963   | 67.31 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 134.62% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 2279     | 0.49  | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 0.98%   |          |
| 50) Toluene-d8              | 10.33 | 98   | 988532   | 53.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.92% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 296184   | 44.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.88%  |          |

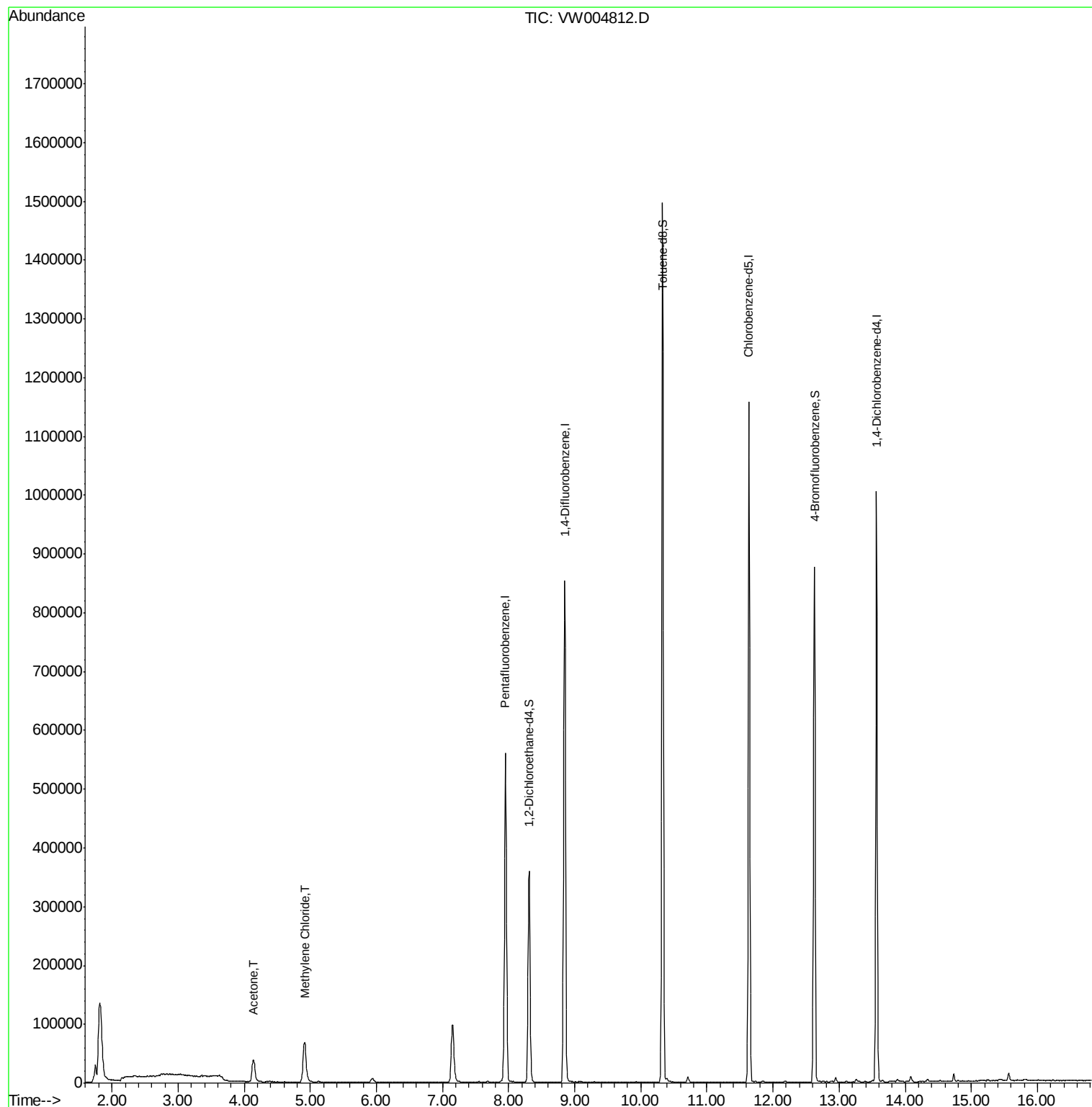
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 4.14 | 43   | 74246    | 69.43 | ug/l  | 98     |
| 20) Methylene Chloride | 4.92 | 84   | 58573    | 8.41  | ug/l  | 97     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082018\  
Data File : VW004812.D  
Acq On : 21 Aug 2018 02:01  
Operator : SY/AP  
Sample : J4500-05RE  
Misc : 4.92G/5ML/MSVOA W/SOIL  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-2RE

Quant Time: Aug 21 07:37:13 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W081918S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 18 01:49:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004812.D

Acq: 21 Aug 2018 02:01

Instrument :

MSVOA\_W

ClientSampled :

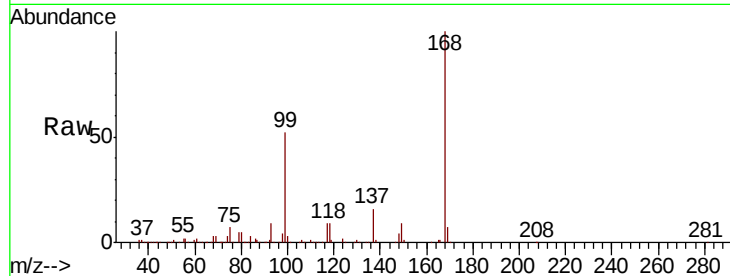
TP-2RE

Tot Ion:168 Resp: 433287

Ion Ratio Lower Upper

168 100

99 52.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

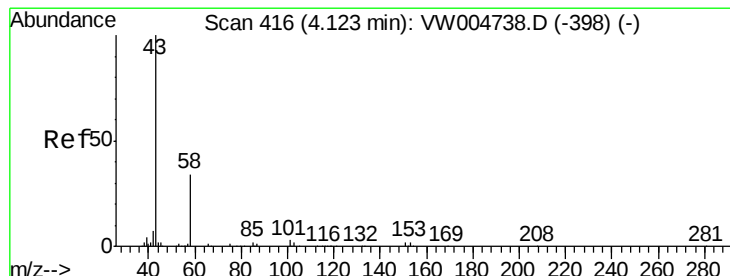
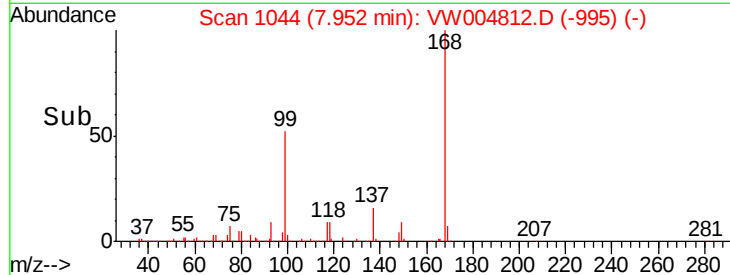
50000

0

7.90

8.00

Time-->



#16

Acetone

Concen: 69.43 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004812.D

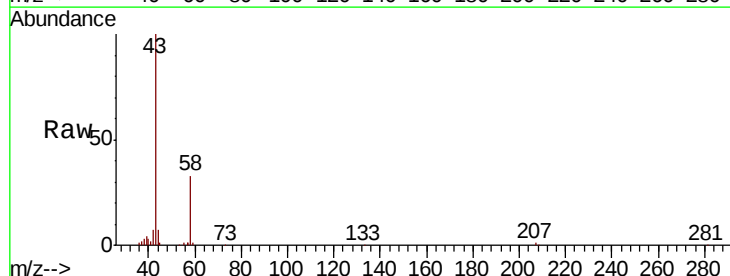
Acq: 21 Aug 2018 02:01

Tgt Ion: 43 Resp: 74246

Ion Ratio Lower Upper

43 100

58 33.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

25000

20000

15000

10000

5000

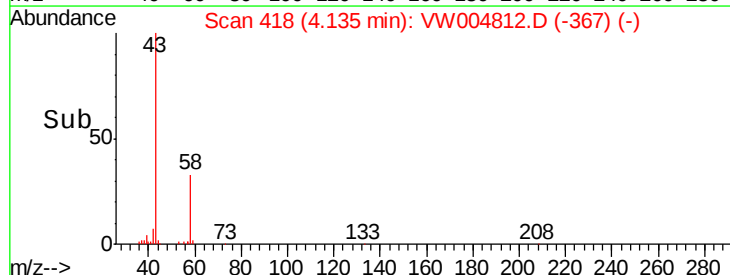
0

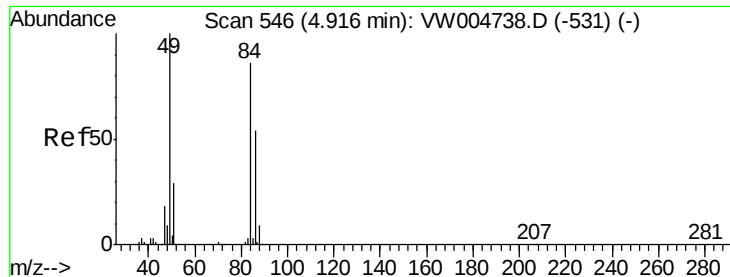
4.00

4.10

4.20

Time-->

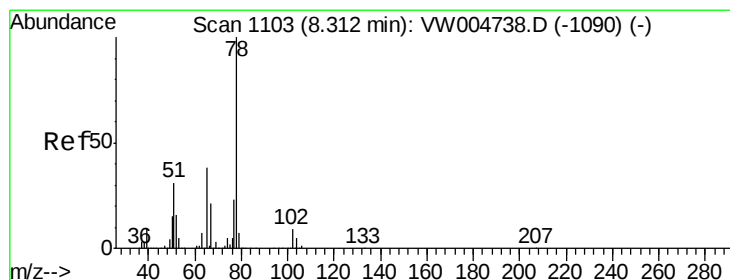
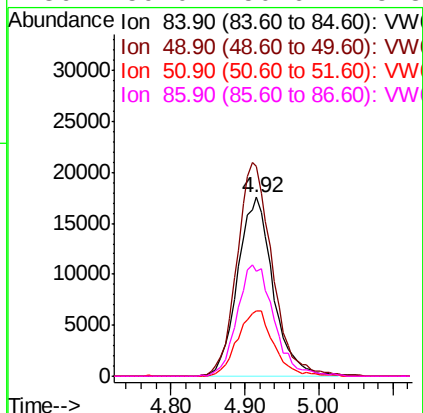
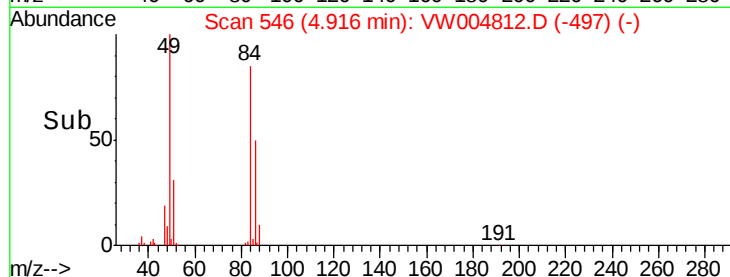
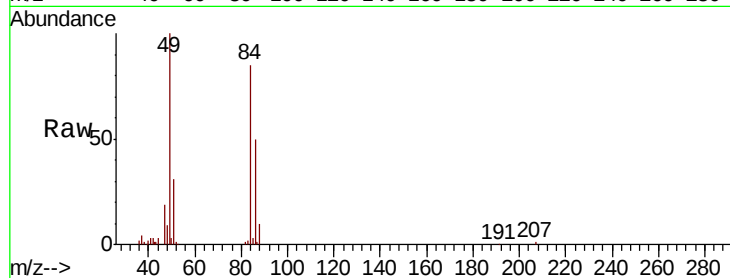




#20  
Methylene Chloride  
Concen: 8.41 ug/l  
RT: 4.92 min Scan# 546  
Delta R.T. 0.00 min  
Lab File: VW004812.D  
Acq: 21 Aug 2018 02:01

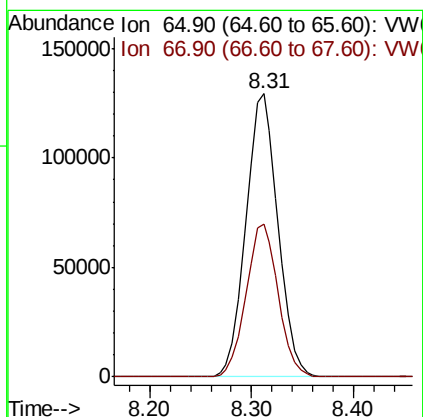
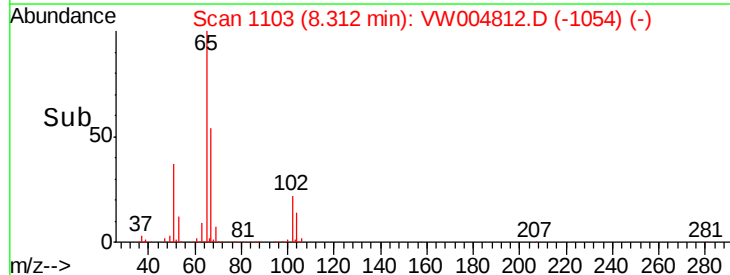
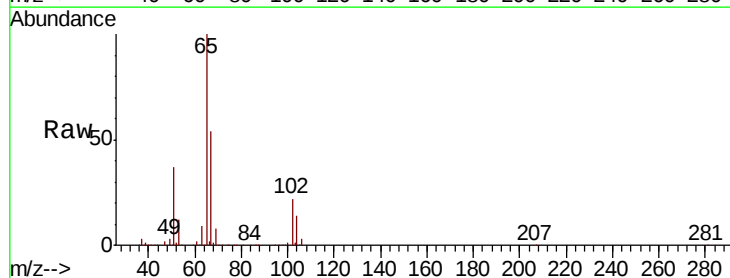
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-2RE

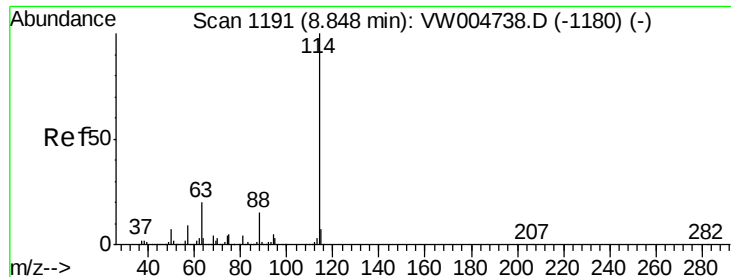
Tot Ion: 84 Resp: 58573  
Ion Ratio Lower Upper  
84 100  
49 117.2 93.2 139.8  
51 36.8 27.4 41.0  
86 59.0 50.6 75.8



#33  
1,2-Dichloroethane-d4  
Concen: 67.31 ug/l  
RT: 8.31 min Scan# 1103  
Delta R.T. -0.00 min  
Lab File: VW004812.D  
Acq: 21 Aug 2018 02:01

Tgt Ion: 65 Resp: 281963  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 109.4

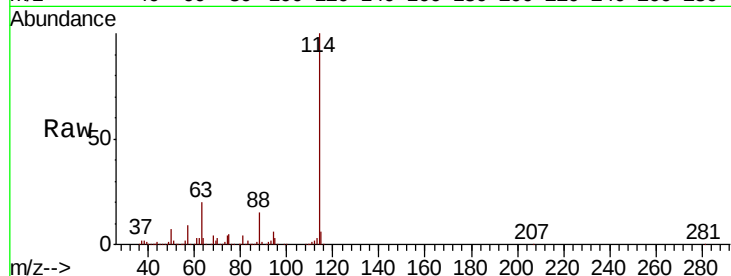




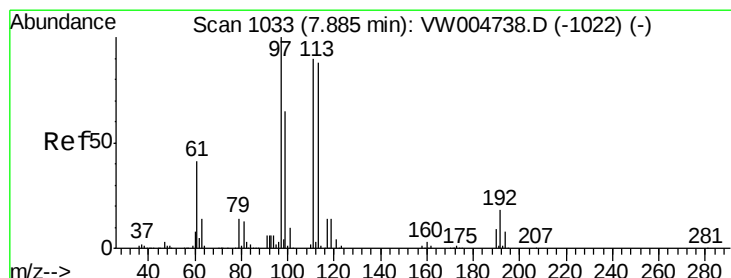
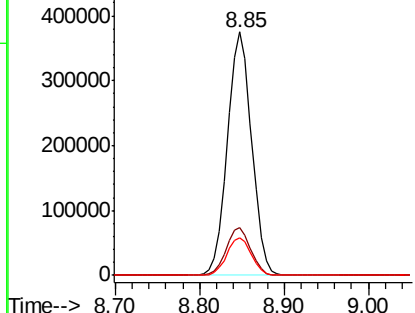
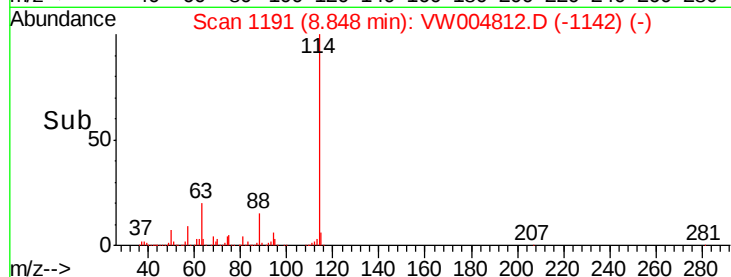
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW004812.D  
 Acq: 21 Aug 2018 02:01

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-2RE

Tot Ion:114 Resp: 734254  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 39.0  
 88 15.4 0.0 30.0

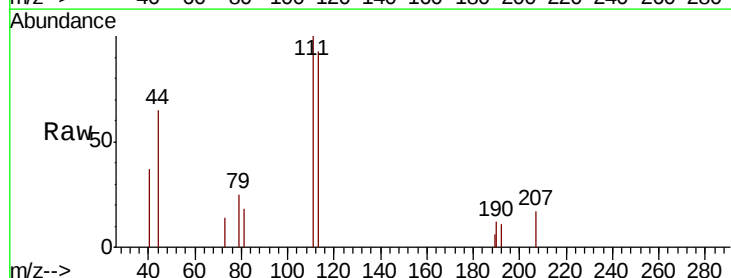


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VV  
 Ion 87.90 (87.60 to 88.60): VV

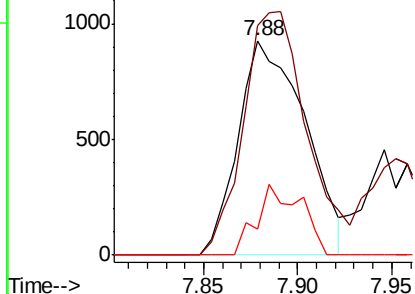
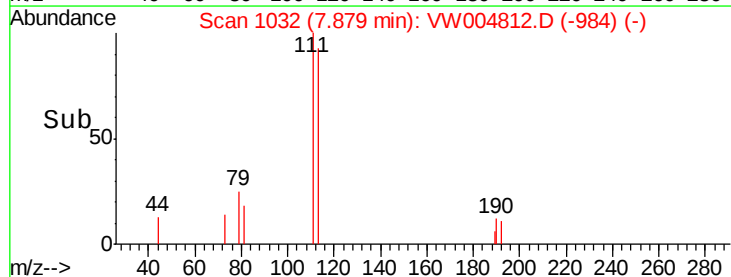


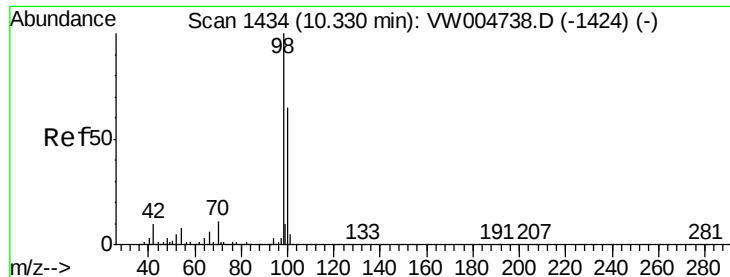
#35  
 Dibromofluoromethane  
 Concen: 0.49 ug/l  
 RT: 7.88 min Scan# 1032  
 Delta R.T. -0.01 min  
 Lab File: VW004812.D  
 Acq: 21 Aug 2018 02:01

Tgt Ion:113 Resp: 2279  
 Ion Ratio Lower Upper  
 113 100  
 111 108.0 82.4 123.6  
 192 21.7 16.7 25.1



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: 53.96 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004812.D

Acq: 21 Aug 2018 02:01

Instrument :

MSVOA\_W

ClientSampleId :

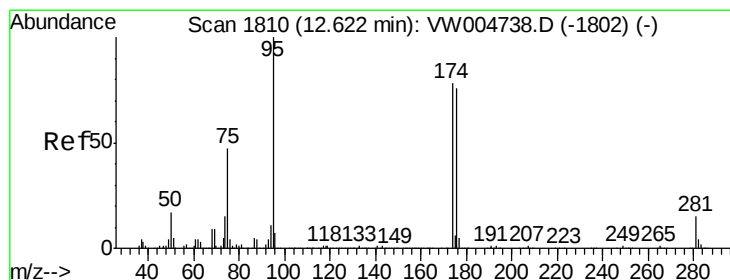
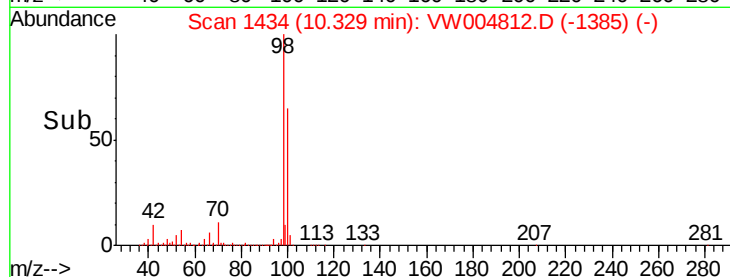
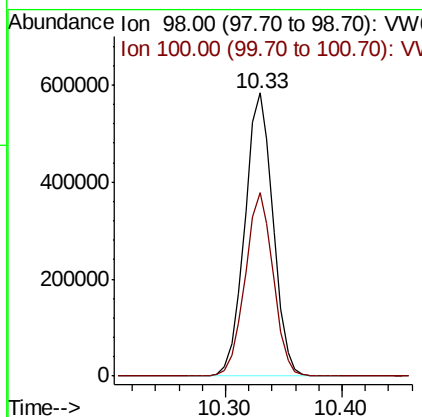
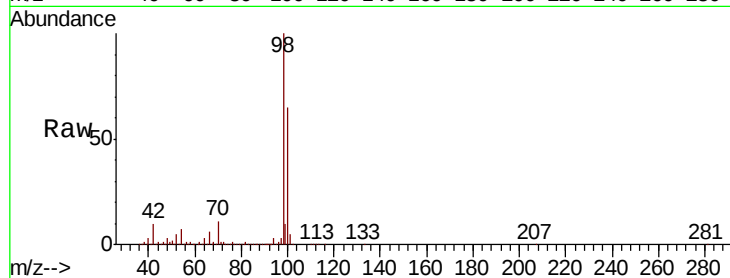
TP-2RE

Tot Ion: 98 Resp: 988532

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 44.94 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004812.D

Acq: 21 Aug 2018 02:01

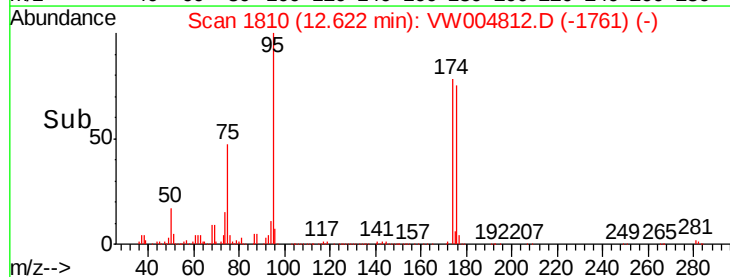
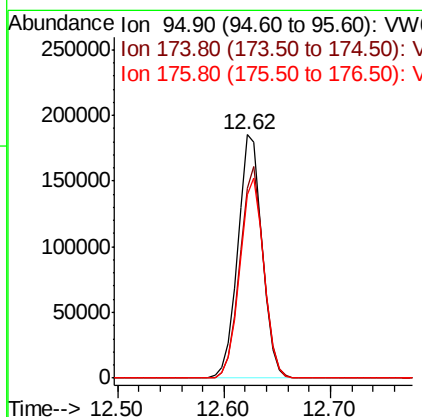
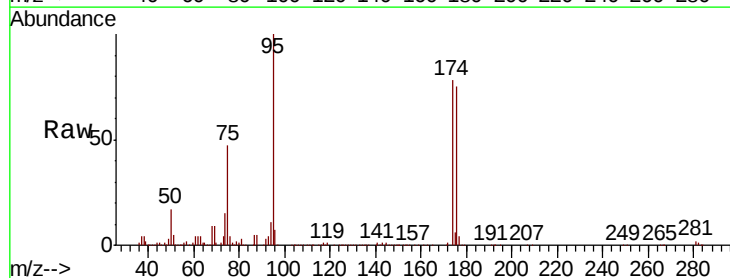
Tgt Ion: 95 Resp: 296184

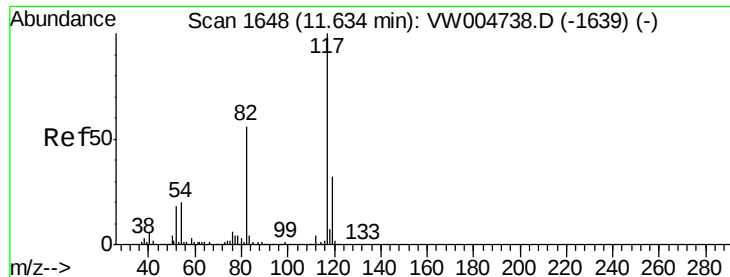
Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

176 81.9 0.0 159.8

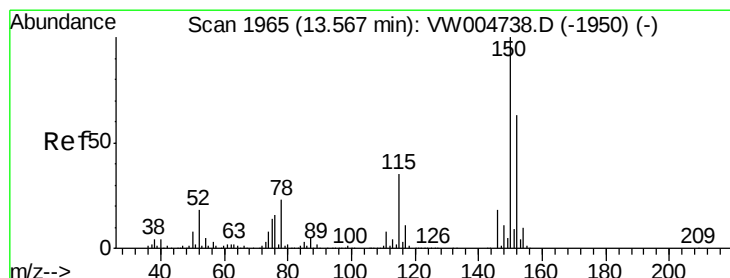
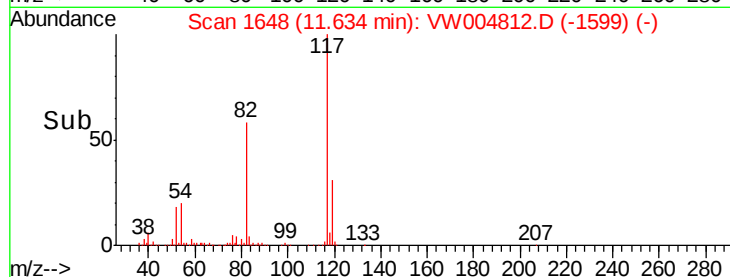
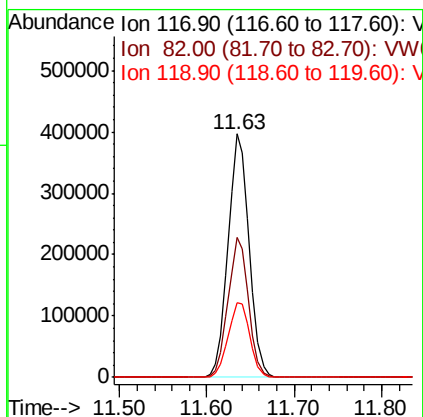
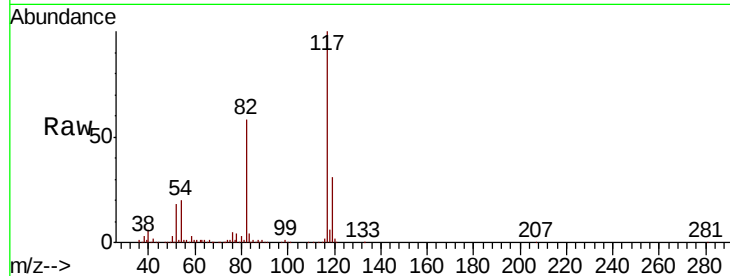




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW004812.D  
Acq: 21 Aug 2018 02:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-2RE

Tot Ion:117 Resp: 660353  
Ion Ratio Lower Upper  
117 100  
82 57.6 44.6 67.0  
119 30.8 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW004812.D  
Acq: 21 Aug 2018 02:01

Tgt Ion:152 Resp: 275928  
Ion Ratio Lower Upper  
152 100  
115 55.3 28.5 85.5  
150 155.7 0.0 344.8

