

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\  
 Data File : VW004834.D  
 Acq On : 21 Aug 2018 12:02  
 Operator : SY/AP  
 Sample : VW0821SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0821SBL01

Quant Time: Aug 22 05:32:03 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  | 535978   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 842824   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 808719   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 400492   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 291064   | 56.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.34% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 293928   | 54.56 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.12% |      |
| 50) Toluene-d8              | 10.33  | 98  | 1115955  | 53.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.14% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 372964   | 49.30 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.60%  |      |

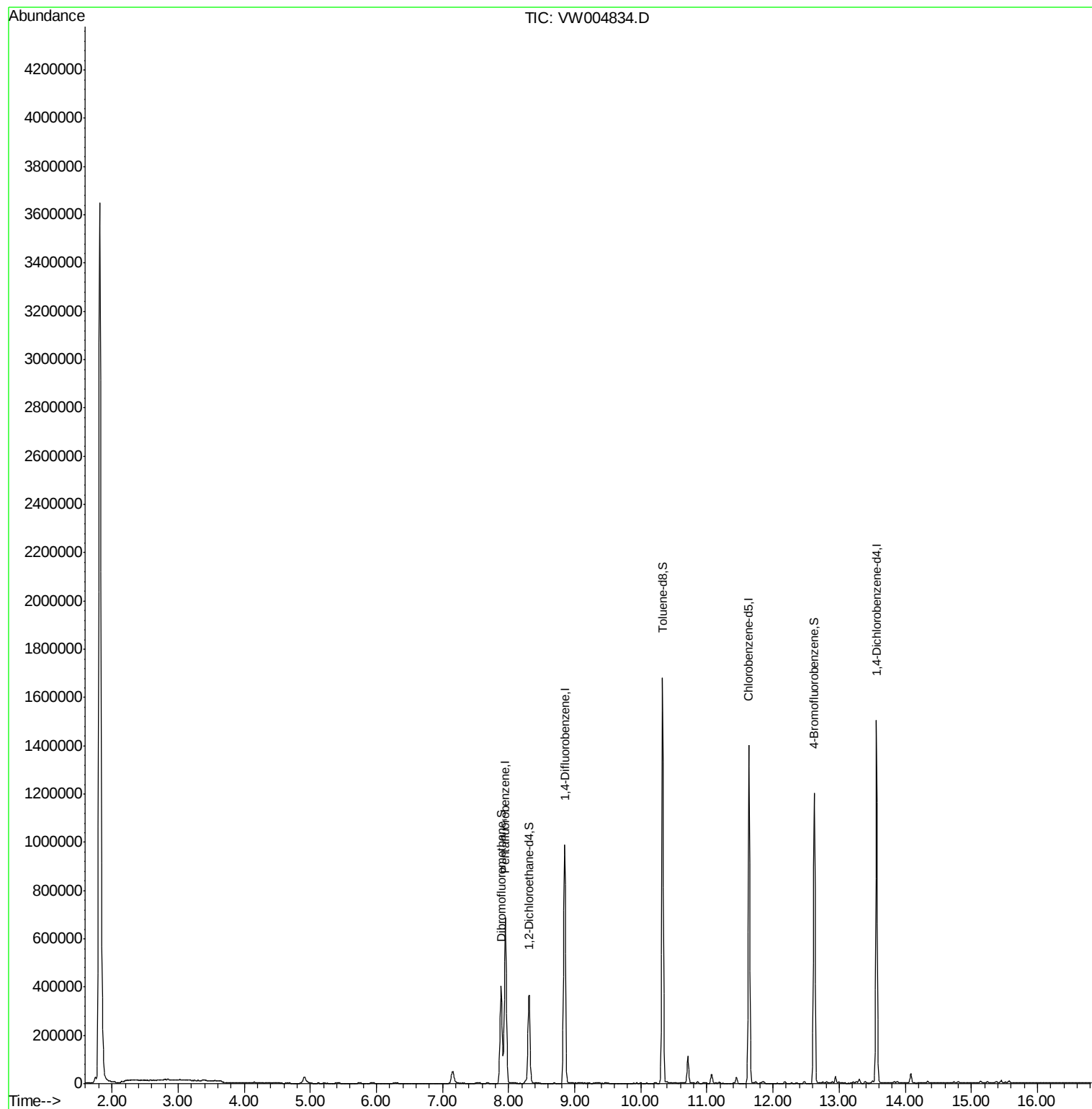
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

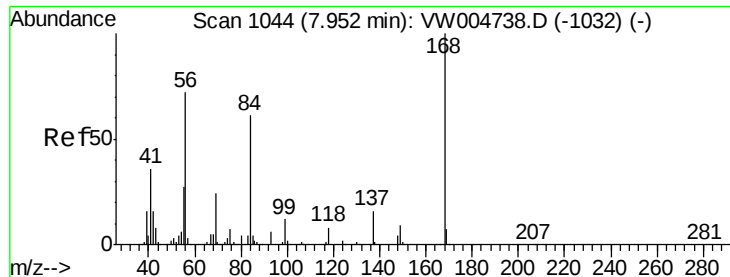
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082118\  
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MSVOA\_W  
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VW0821SBL01

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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: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA\_W

ClientSampled :

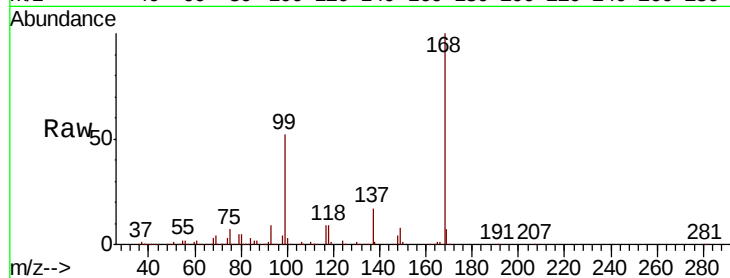
VW0821SBL01

Tot Ion:168 Resp: 535978

Ion Ratio Lower Upper

168 100

99 52.0 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

250000

200000

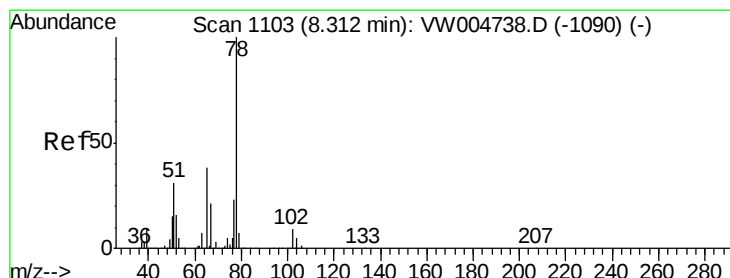
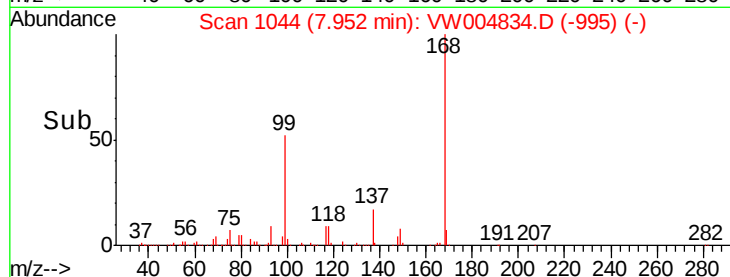
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 56.17 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004834.D

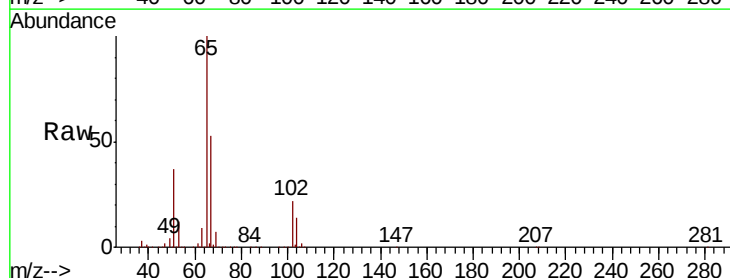
Acq: 21 Aug 2018 12:02

Tgt Ion: 65 Resp: 291064

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

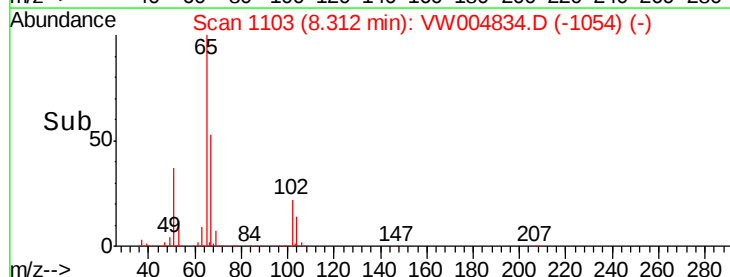
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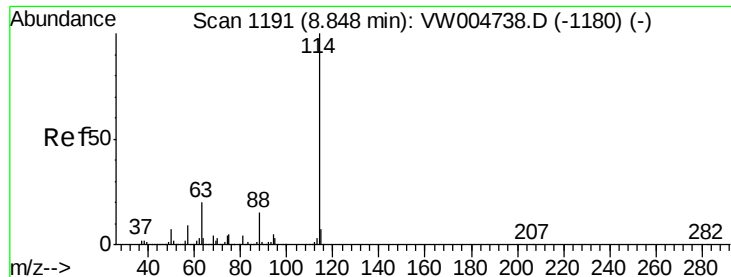
100000

50000

0

Time--> 8.20 8.30 8.40

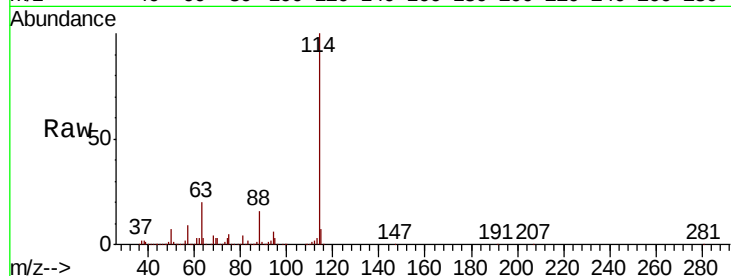




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW004834.D  
 Acq: 21 Aug 2018 12:02

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0821SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.7  | 0.0   | 39.0  |
| 88      | 15.9  | 0.0   | 30.0  |

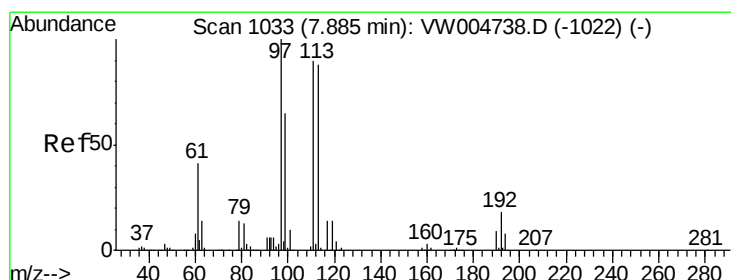
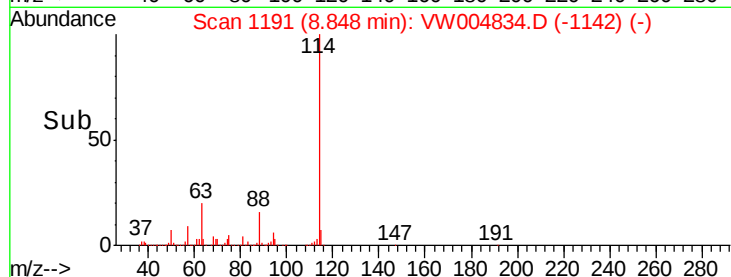
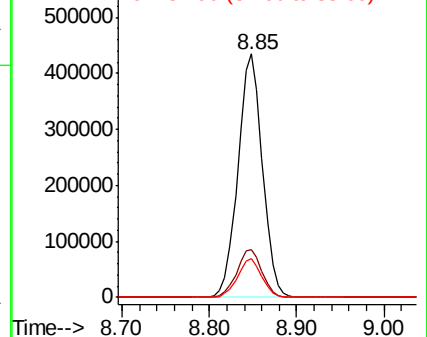


Abundance

Ion 113.90 (113.60 to 114.60): V

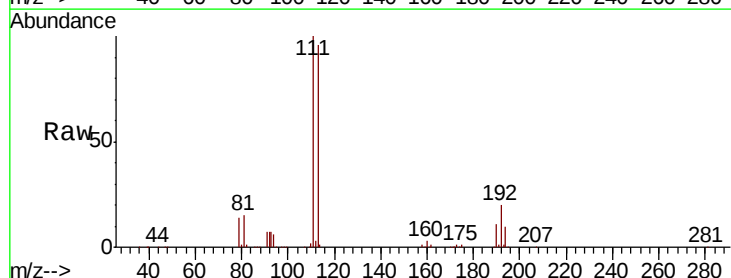
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35  
 Dibromofluoromethane  
 Concen: 54.56 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW004834.D  
 Acq: 21 Aug 2018 12:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 82.4  | 123.6 |
| 192     | 21.4  | 16.7  | 25.1  |

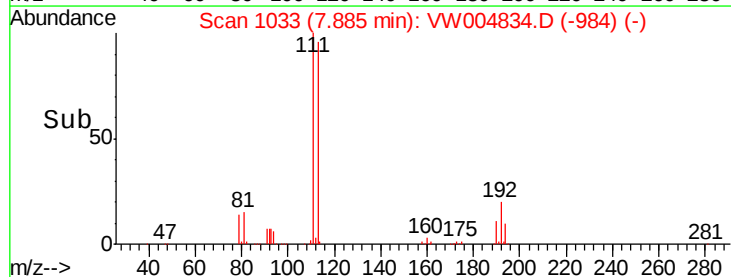
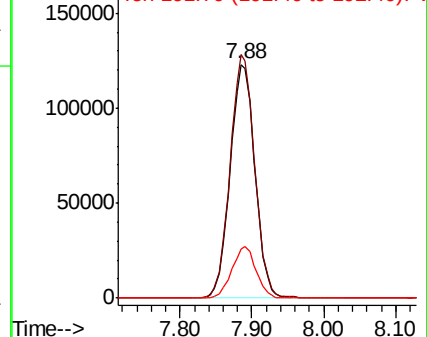


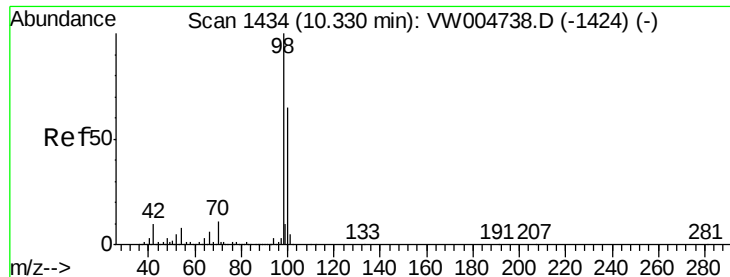
Abundance

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: 53.07 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

Instrument :

MSVOA\_W

ClientSampleId :

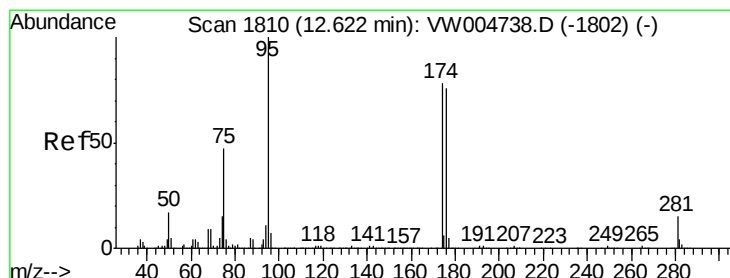
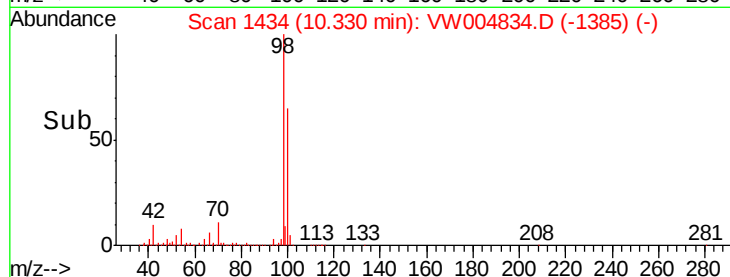
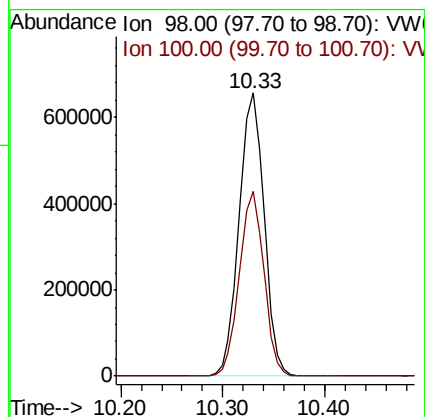
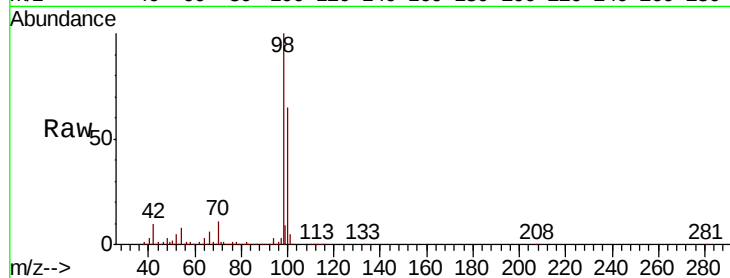
VW0821SBL01

Tot Ion: 98 Resp: 1115955

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 49.30 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004834.D

Acq: 21 Aug 2018 12:02

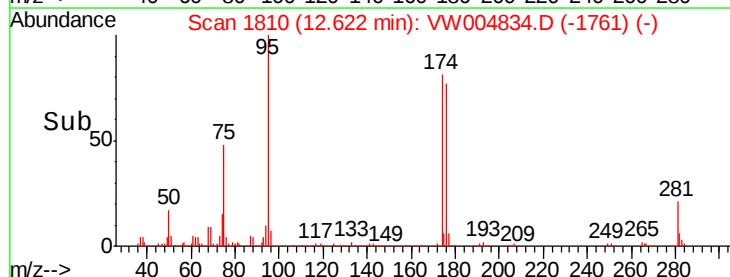
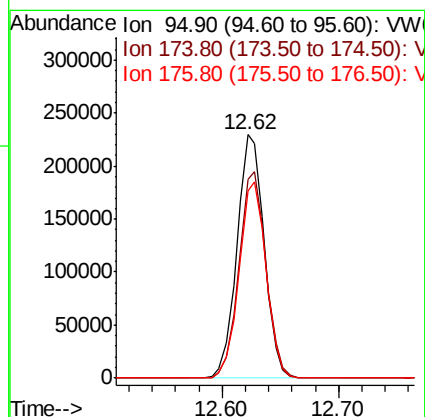
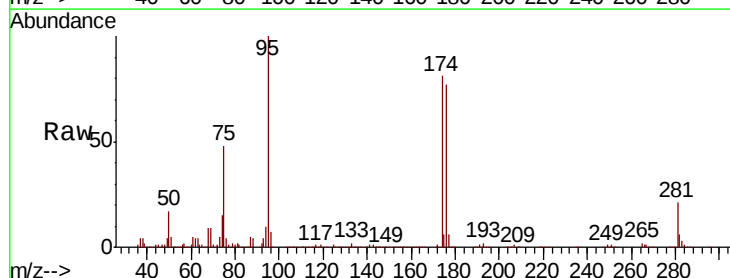
Tgt Ion: 95 Resp: 372964

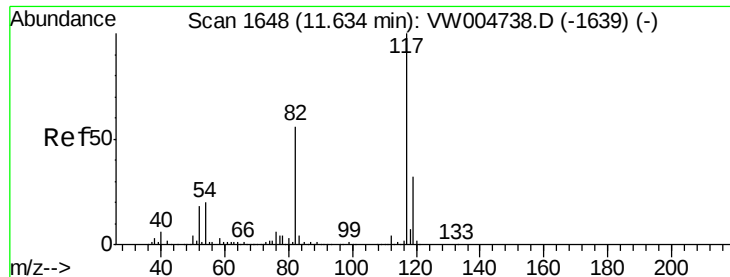
Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

176 80.2 0.0 159.8

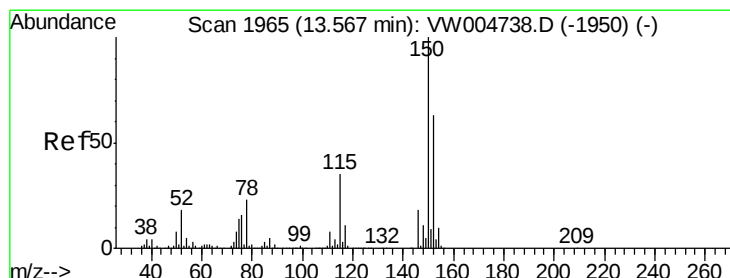
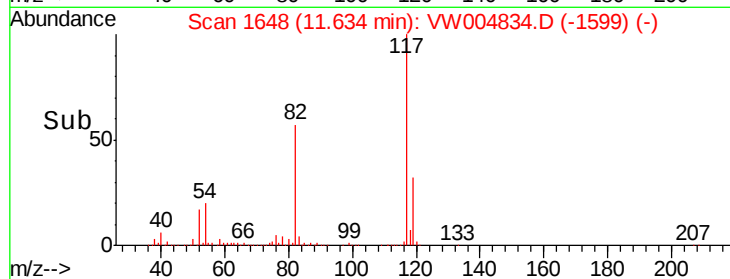
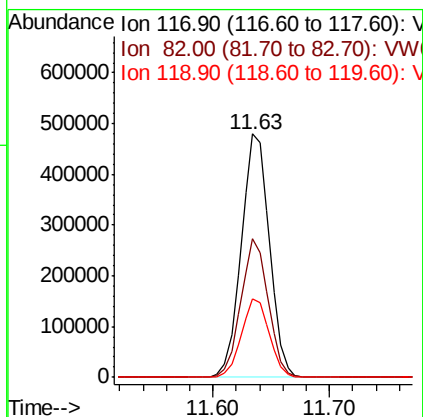
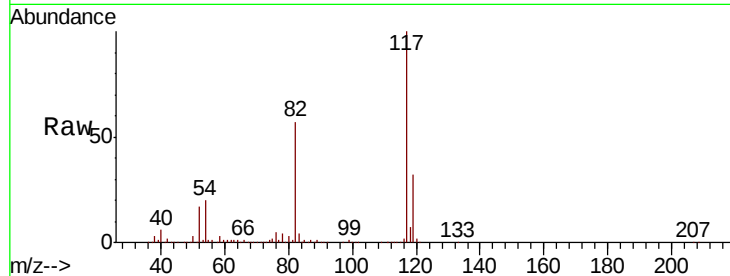




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW004834.D  
Acq: 21 Aug 2018 12:02

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0821SBL01

Tot Ion:117 Resp: 808719  
Ion Ratio Lower Upper  
117 100  
82 56.9 44.6 67.0  
119 32.1 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: VW004834.D  
Acq: 21 Aug 2018 12:02

Tgt Ion:152 Resp: 400492  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.5 85.5  
150 155.8 0.0 344.8

