

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012819\  
 Data File : VW008437.D  
 Acq On : 28 Jan 2019 14:07  
 Operator : SY/VA  
 Sample : K1255-01  
 Misc : 8.91G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 RBR200036

Quant Time: Jan 29 04:36:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

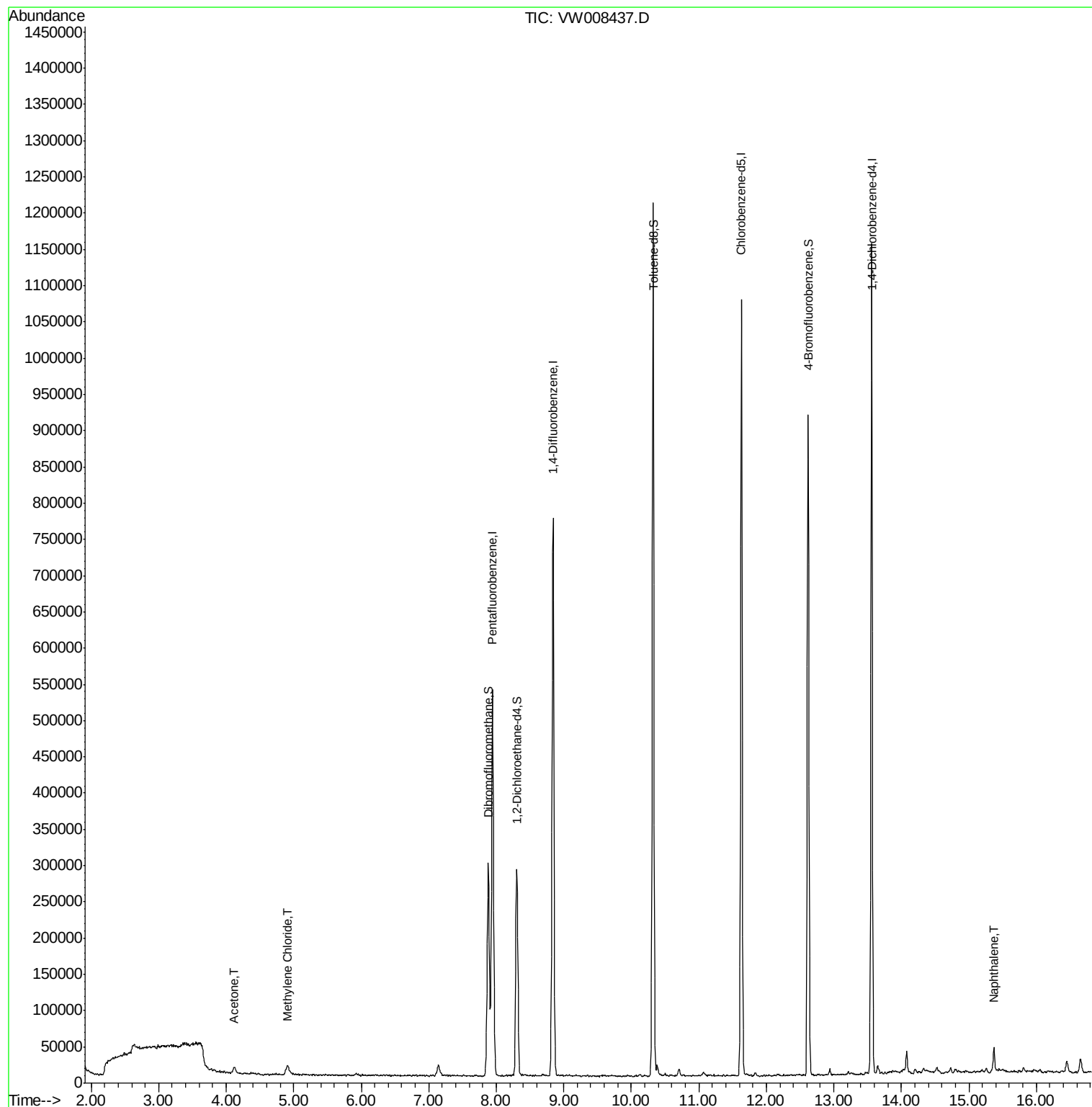
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 411184   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 657393   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 596678   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 298016   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 221199   | 54.76  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.52% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 206228   | 53.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.30% |          |
| 50) Toluene-d8              | 10.32 | 98   | 786075   | 51.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.00% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 294670   | 49.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.46%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 14928    | 16.456 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.91  | 84   | 11226    | 2.685  | ug/l #  | 83       |
| 95) Naphthalene             | 15.37 | 128  | 27084    | 2.493  | ug/l    | 97       |

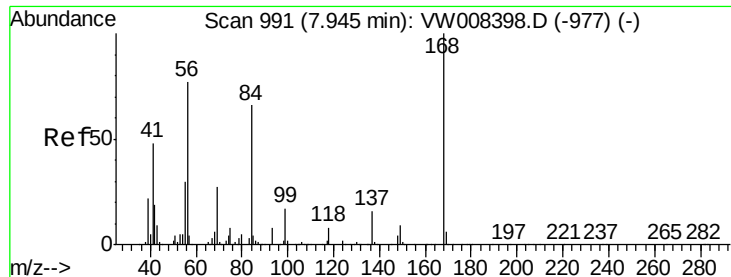
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012819\  
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Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 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: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA\_W

ClientSampleId :

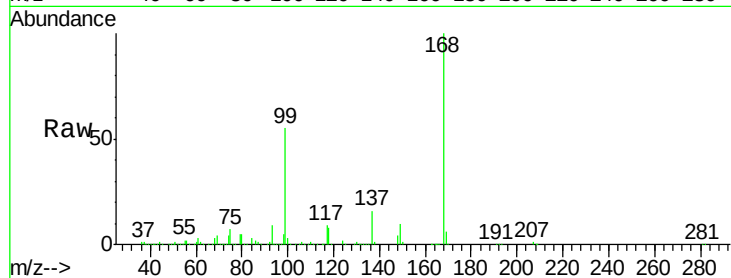
RBR200036

Tot Ion:168 Resp: 411184

Ion Ratio Lower Upper

168 100

99 55.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

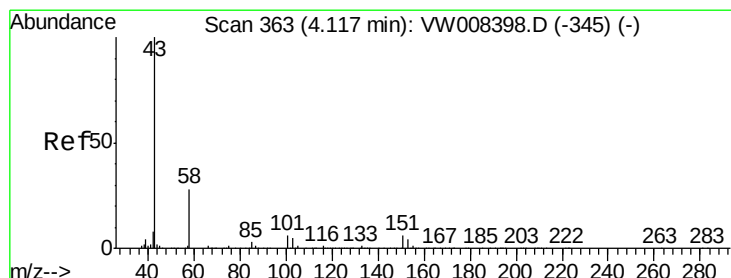
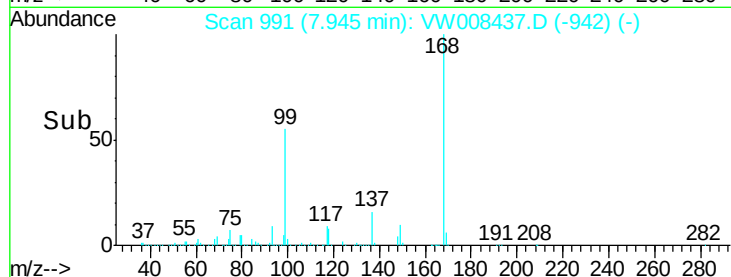
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#16

Acetone

Concen: 16.456 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008437.D

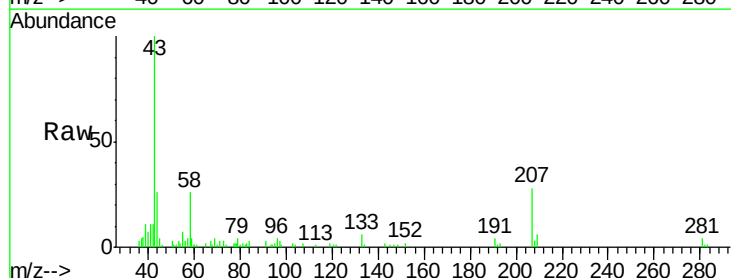
Acq: 28 Jan 2019 14:07

Tgt Ion: 43 Resp: 14928

Ion Ratio Lower Upper

43 100

58 26.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

6000

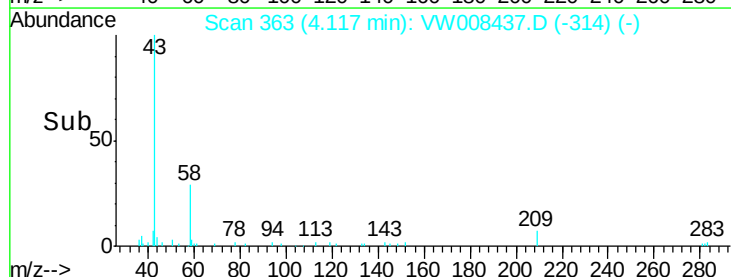
4000

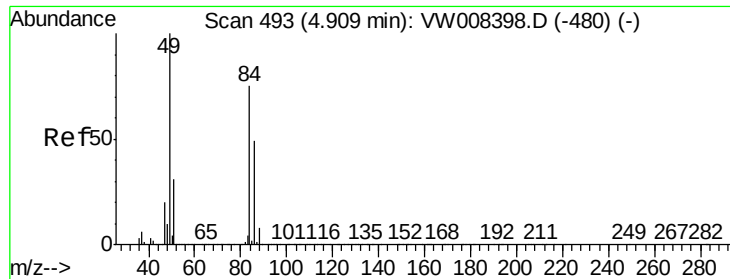
2000

0

Time-->

4.05 4.10 4.15 4.20 4.25

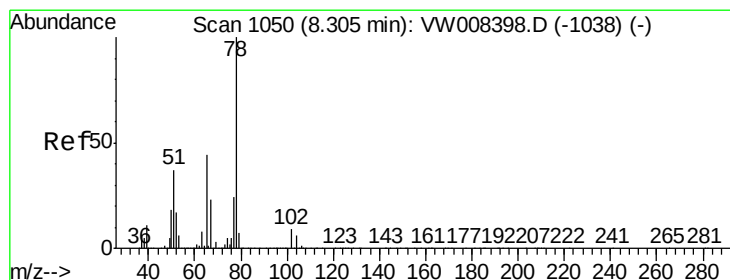
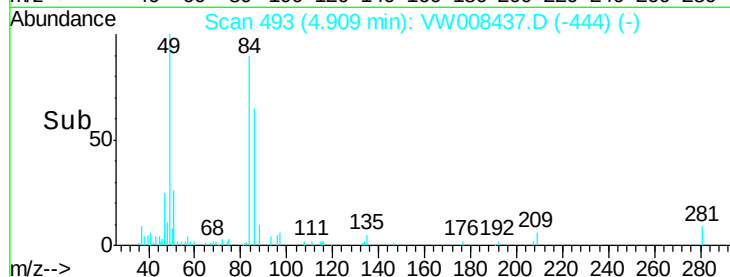
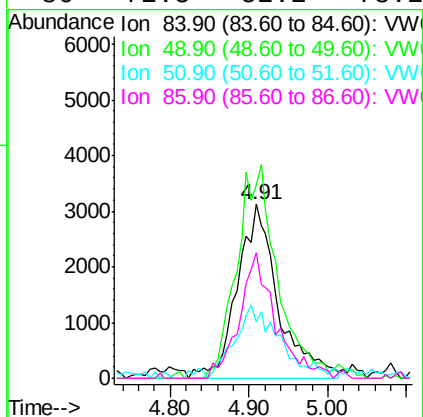
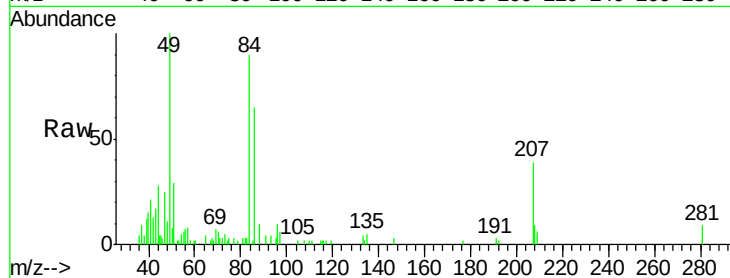




#20  
Methylene Chloride  
Concen: 2.685 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW008437.D  
Acq: 28 Jan 2019 14:07

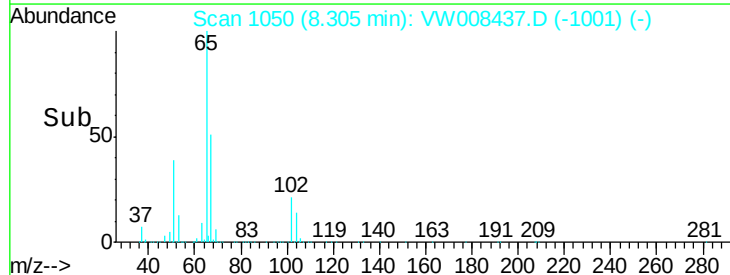
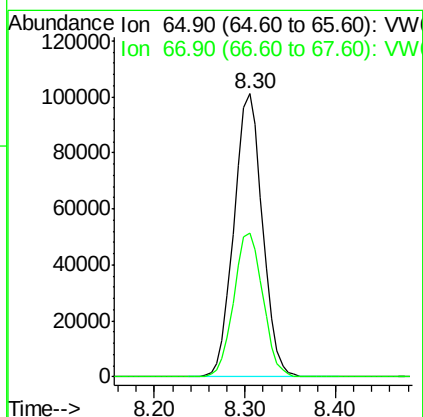
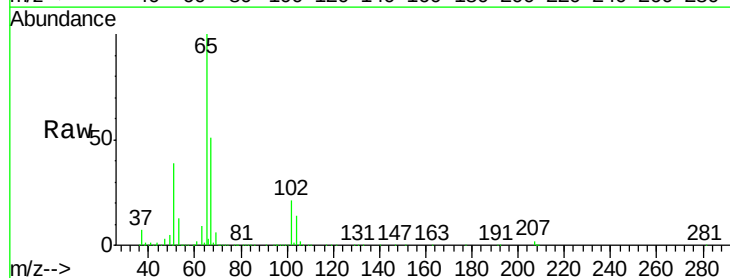
Instrument :  
MSVOA\_W  
ClientSampleId :  
RBR200036

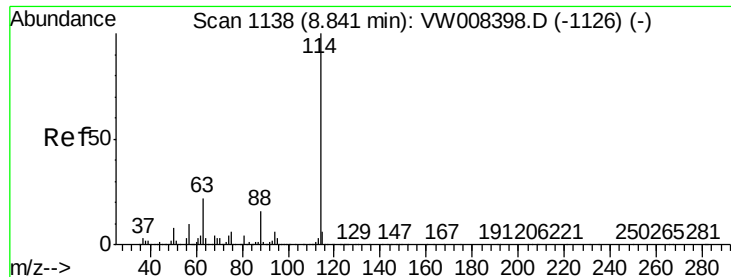
| Tot Ion | 84    | Resp  | 11226 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 84      | 100   |       |       |
| 49      | 111.2 | 106.8 | 160.2 |
| 51      | 28.3  | 32.9  | 49.3  |
| 86      | 72.5  | 52.2  | 78.2  |



#33  
1,2-Dichloroethane-d4  
Concen: 54.759 ug/l  
RT: 8.30 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VW008437.D  
Acq: 28 Jan 2019 14:07

| Tgt Ion | 65    | Resp  | 221199 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 52.2  | 0.0   | 104.0  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA\_W

ClientSampleId :

RBR200036

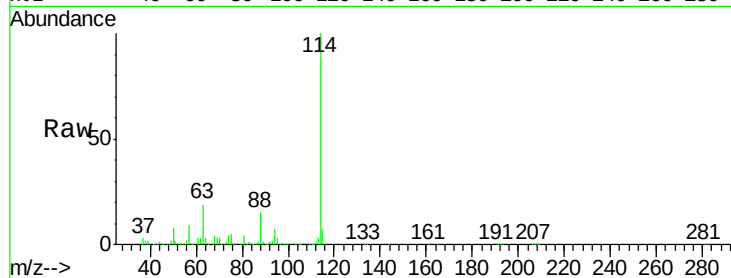
Tot Ion:114 Resp: 657393

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.6

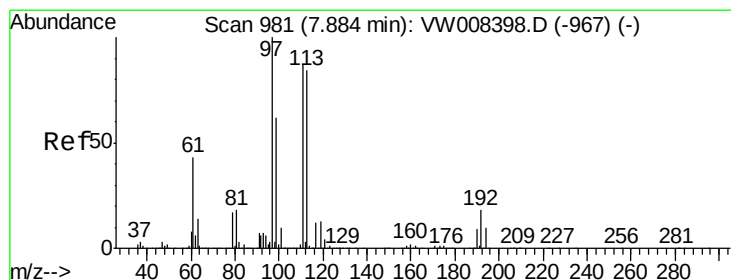
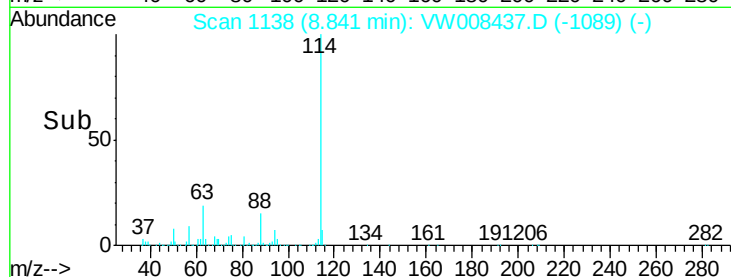
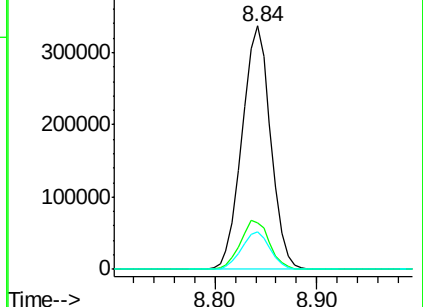
88 15.3 0.0 31.8



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: 53.649 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

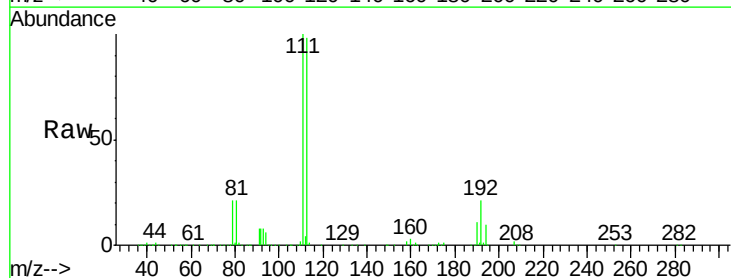
Tgt Ion:113 Resp: 206228

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.4

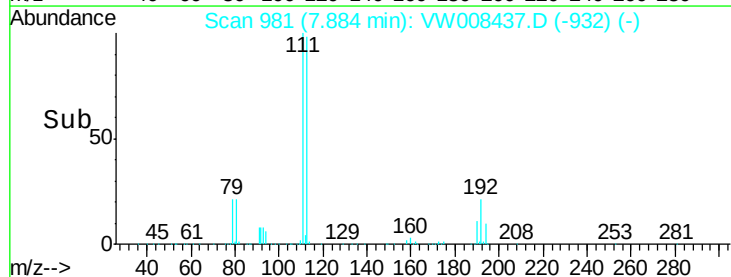
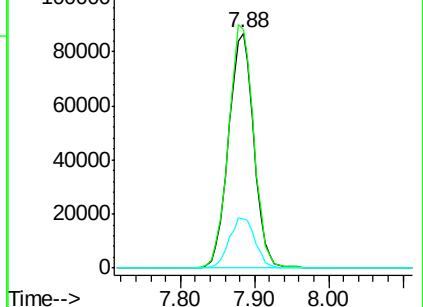
192 21.9 16.8 25.2

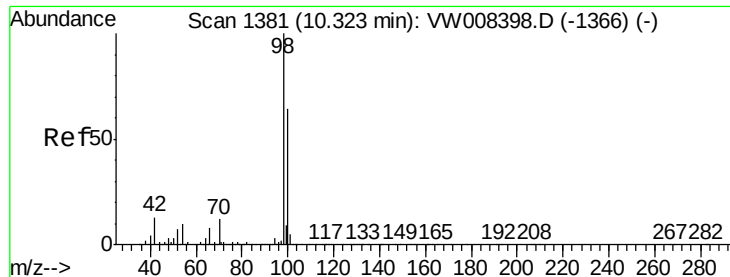


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.995 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA\_W

ClientSampleId :

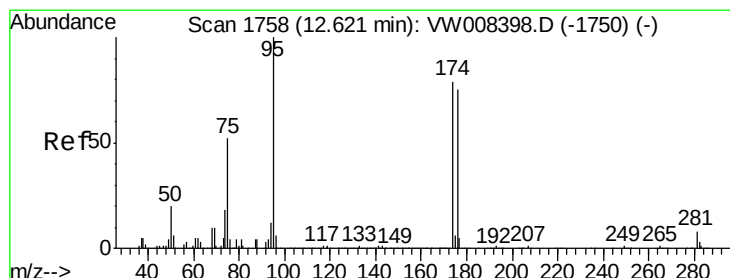
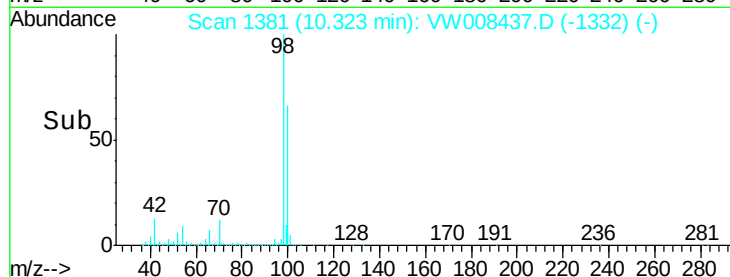
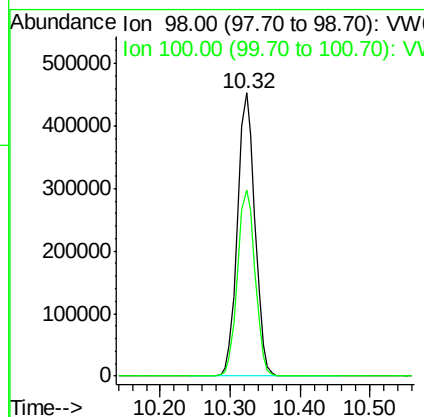
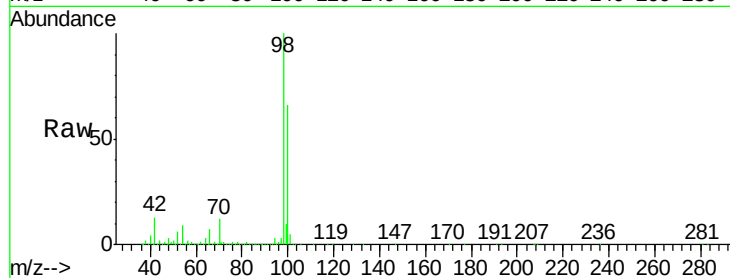
RBR200036

Tot Ion: 98 Resp: 786075

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 49.732 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

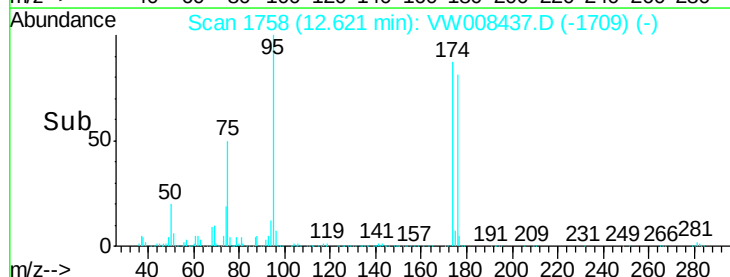
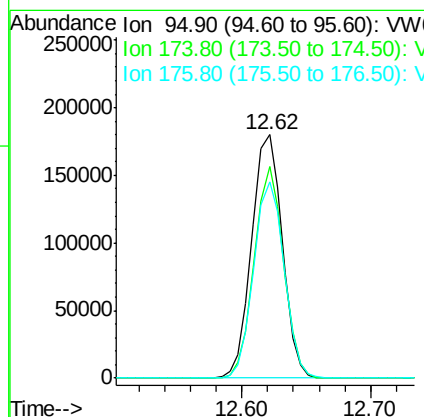
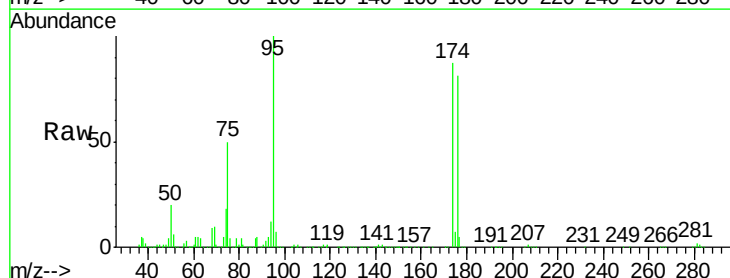
Tgt Ion: 95 Resp: 294670

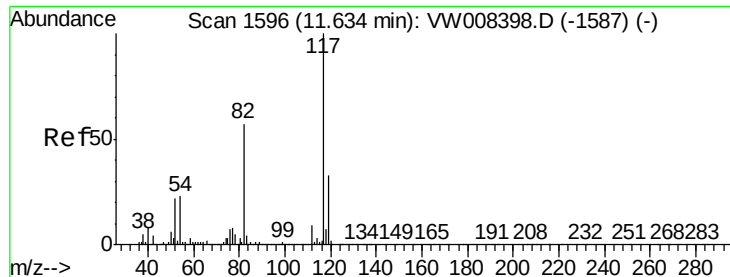
Ion Ratio Lower Upper

95 100

174 83.1 0.0 157.6

176 80.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

MSVOA\_W

ClientSampleId :

RBR200036

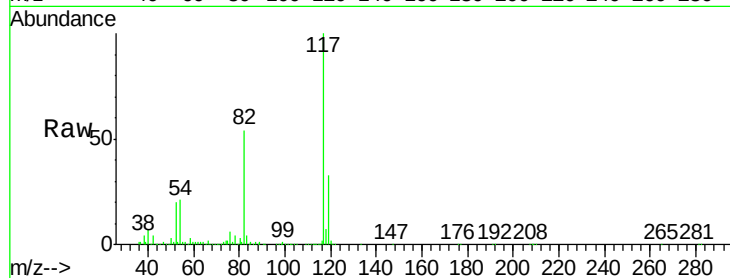
Tot Ion:117 Resp: 596678

Ion Ratio Lower Upper

117 100

82 54.4 45.4 68.0

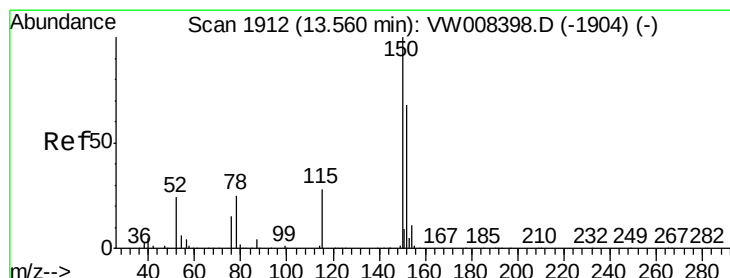
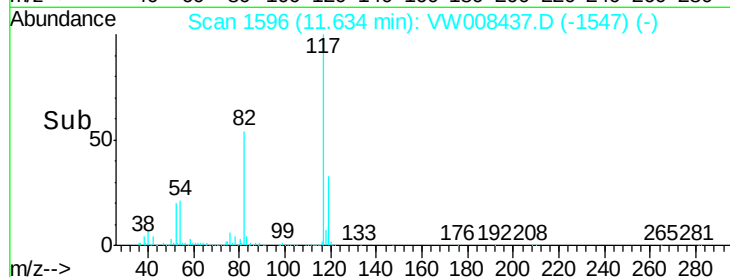
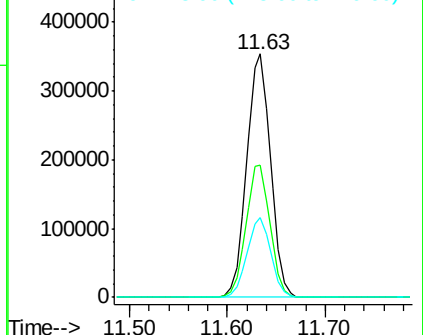
119 32.7 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

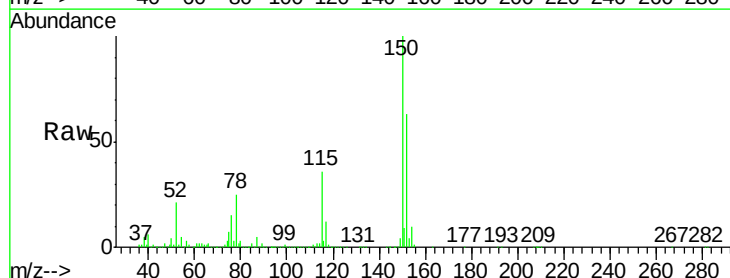
Tgt Ion:152 Resp: 298016

Ion Ratio Lower Upper

152 100

115 57.4 29.9 89.7

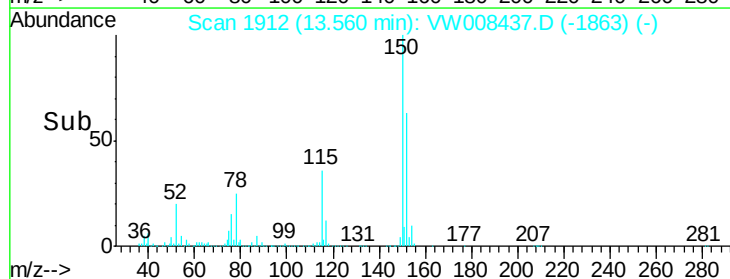
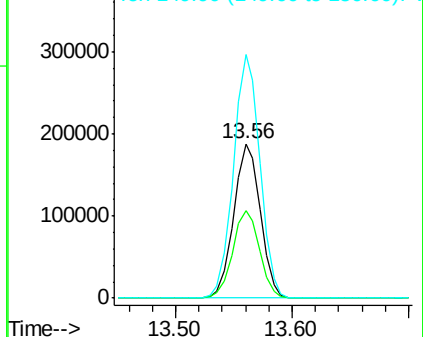
150 157.0 0.0 351.4

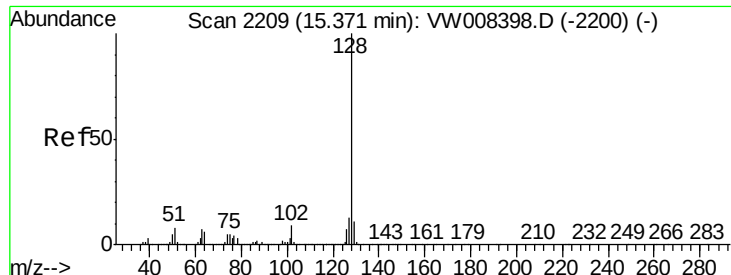


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 2.493 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008437.D

Acq: 28 Jan 2019 14:07

Instrument :

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ClientSampleId :

RBR200036

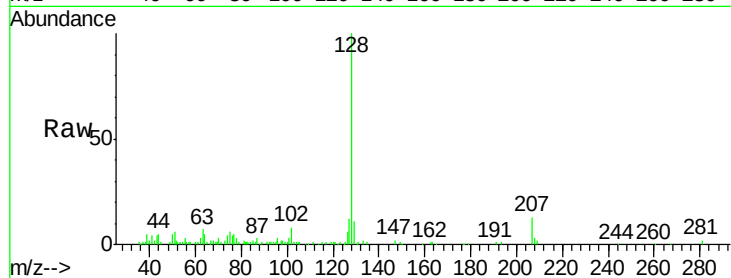
Tot Ion:128 Resp: 27084

Ion Ratio Lower Upper

128 100

127 15.0 10.6 15.8

129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

