

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\  
 Data File : VW008570.D  
 Acq On : 08 Feb 2019 13:20  
 Operator : SY/VA  
 Sample : VW0208SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0208SBL01

Quant Time: Feb 09 00:48:59 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

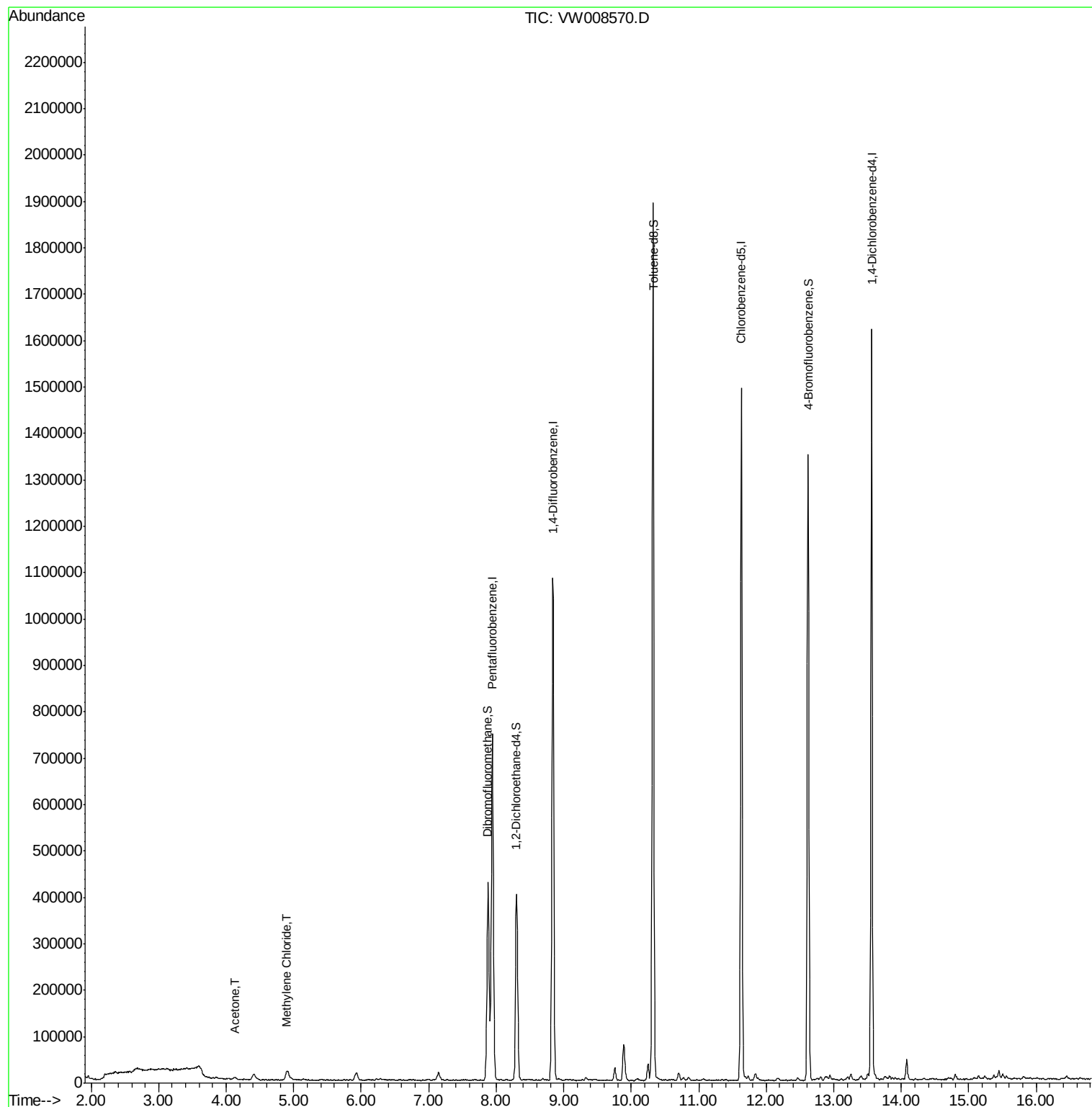
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 567582   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 879282   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 793351   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 390315   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 311069   | 55.79 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.58% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 291007   | 56.60 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.20% |          |
| 50) Toluene-d8              | 10.32 | 98   | 1184135  | 57.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.86% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 423056   | 53.38 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.76% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 4.13  | 43   | 7878     | 6.292 | ug/l    | 91       |
| 20) Methylene Chloride      | 4.90  | 84   | 15931    | 2.760 | ug/l #  | 77       |

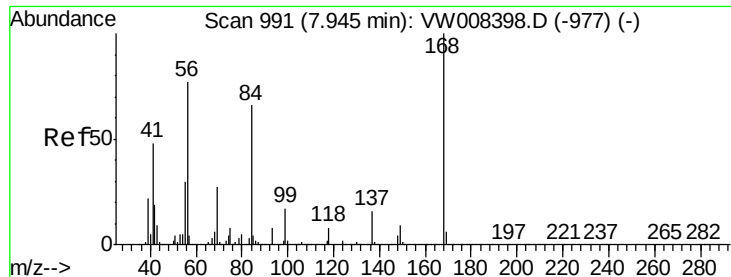
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020819\  
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Sample : VW0208SBL01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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VW0208SBL01

Quant Time: Feb 09 00:48:59 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
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: VW008570.D

Acq: 08 Feb 2019 13:20

Instrument :

MSVOA\_W

ClientSampleId :

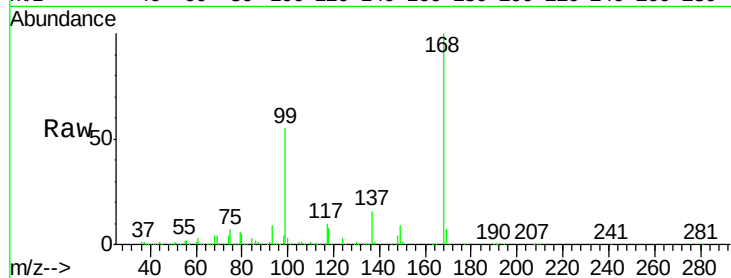
VW0208SBL01

Tot Ion:168 Resp: 567582

Ion Ratio Lower Upper

168 100

99 55.2 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

250000

200000

150000

100000

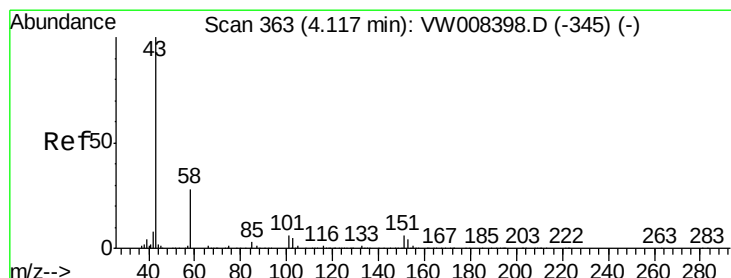
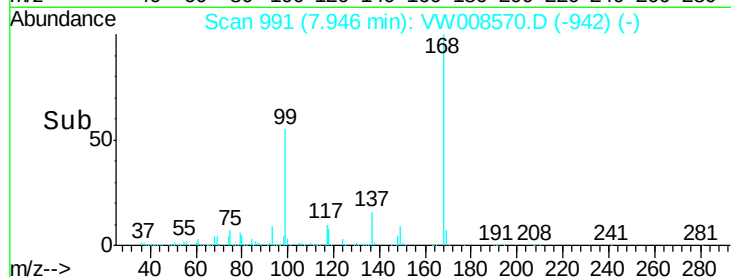
50000

0

Time--> 7.80

7.90

8.00



#16

Acetone

Concen: 6.292 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008570.D

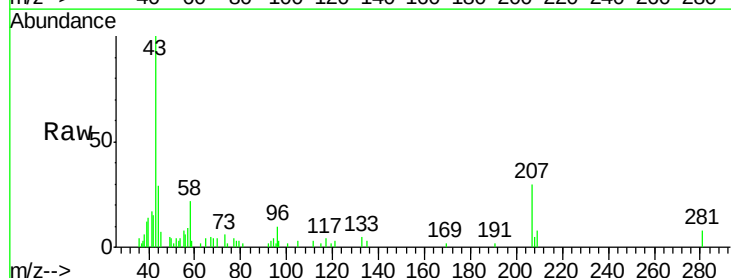
Acq: 08 Feb 2019 13:20

Tgt Ion: 43 Resp: 7878

Ion Ratio Lower Upper

43 100

58 23.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

3000

2500

2000

1500

1000

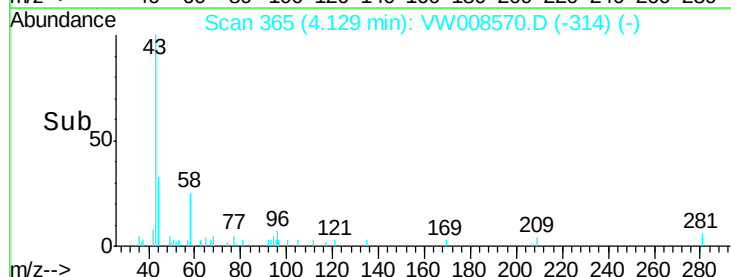
500

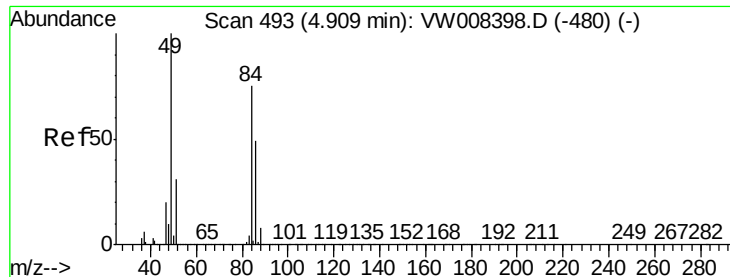
0

Time--> 4.00

4.10

4.20

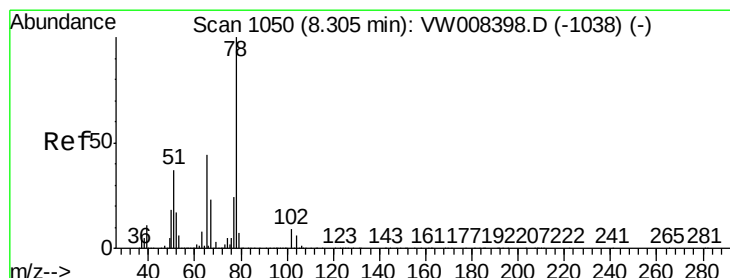
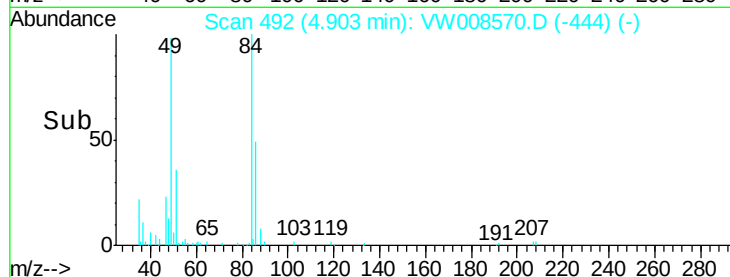
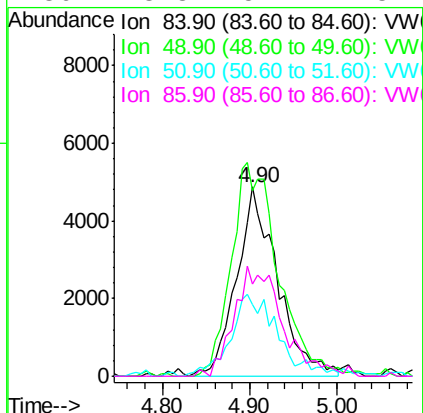
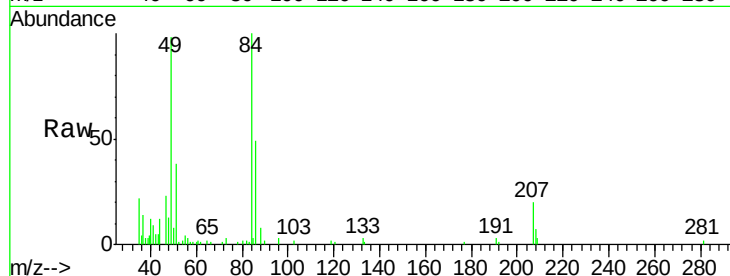




#20  
Methylene Chloride  
Concen: 2.760 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW008570.D  
Acq: 08 Feb 2019 13:20

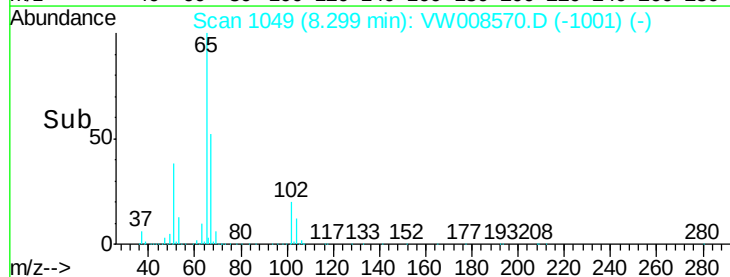
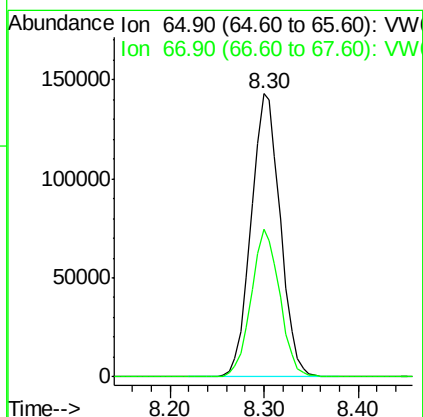
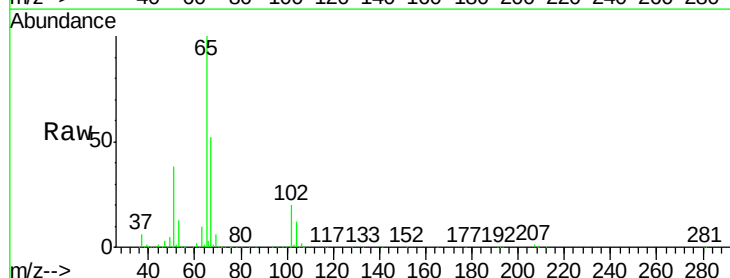
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0208SBL01

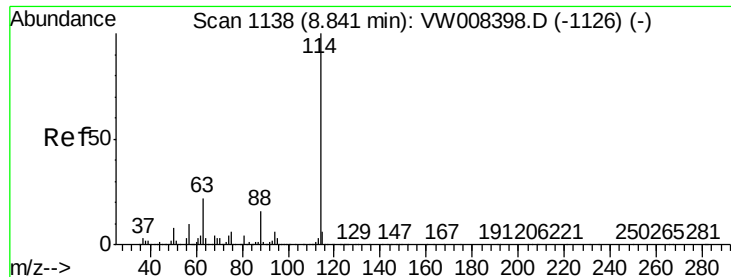
Tot Ion: 84 Resp: 15931  
Ion Ratio Lower Upper  
84 100  
49 98.4 106.8 160.2#  
51 36.6 32.9 49.3  
86 48.8 52.2 78.2#



#33  
1,2-Dichloroethane-d4  
Concen: 55.787 ug/l  
RT: 8.30 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VW008570.D  
Acq: 08 Feb 2019 13:20

Tgt Ion: 65 Resp: 311069  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

Instrument :

MSVOA\_W

ClientSampleId :

VW0208SBL01

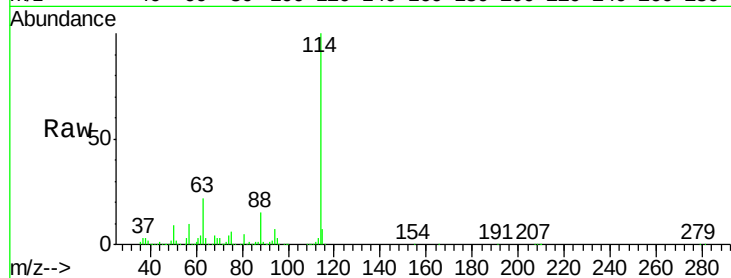
Tot Ion:114 Resp: 879282

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.6

88 15.4 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

8.84

400000

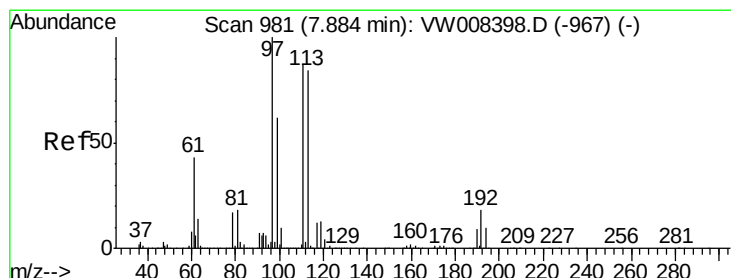
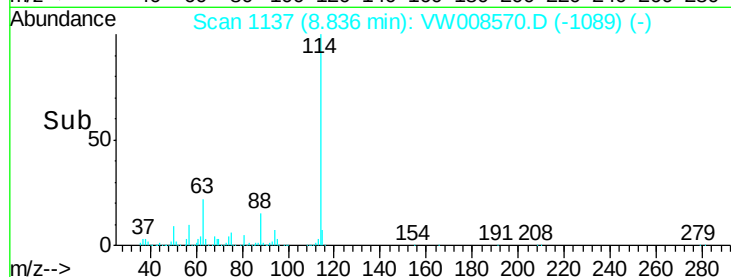
300000

200000

100000

0

Time--> 8.70 8.80 8.90 9.00



#35

Dibromofluoromethane

Concen: 56.600 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

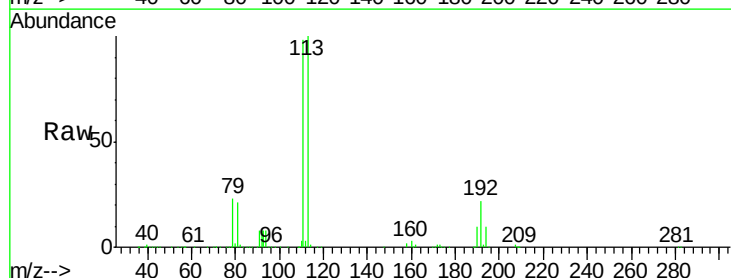
Tgt Ion:113 Resp: 291007

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

192 21.2 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

7.88

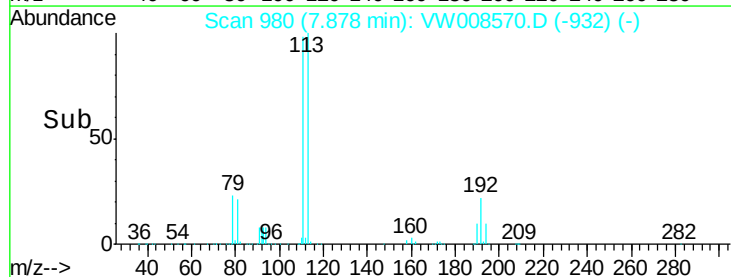
150000

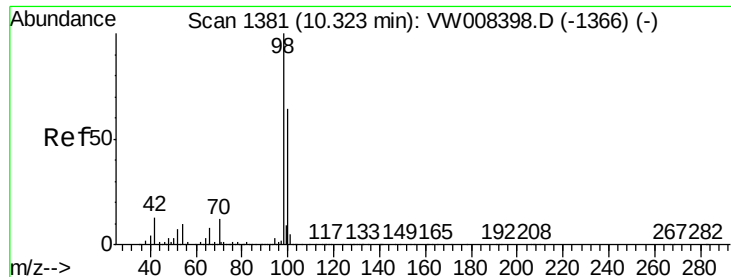
100000

50000

0

Time--> 7.80 7.90 8.00





#50

Toluene-d8

Concen: 57.434 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

Instrument :

MSVOA\_W

ClientSampleId :

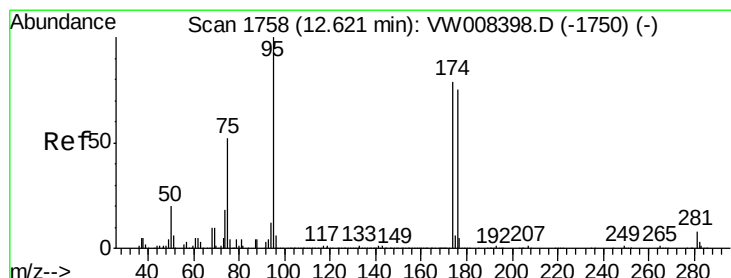
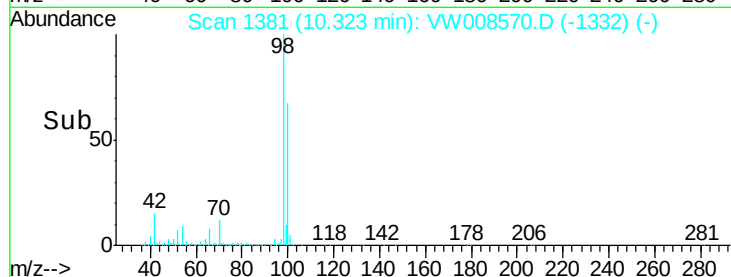
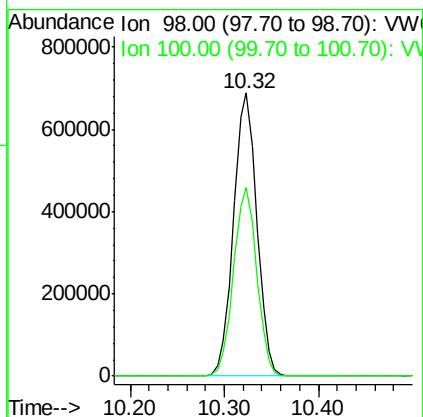
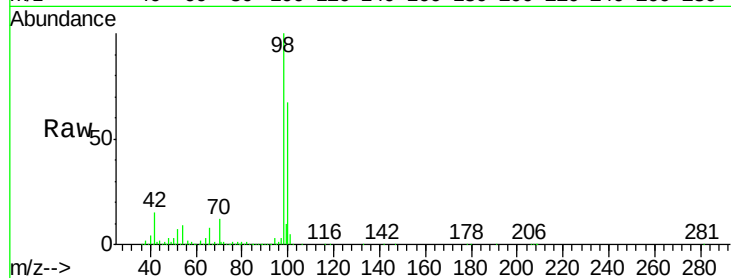
VW0208SBL01

Tot Ion: 98 Resp: 1184135

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 53.382 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008570.D

Acq: 08 Feb 2019 13:20

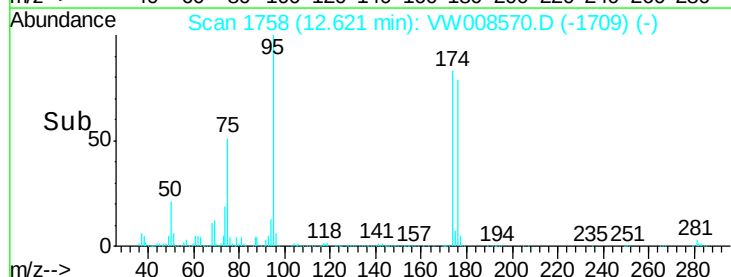
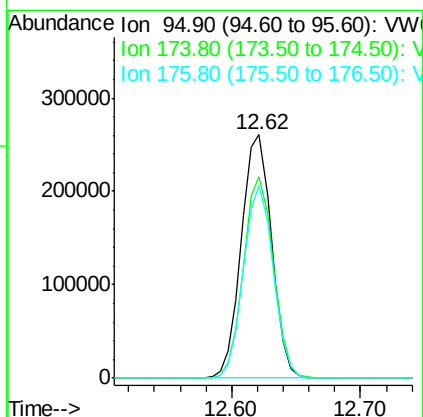
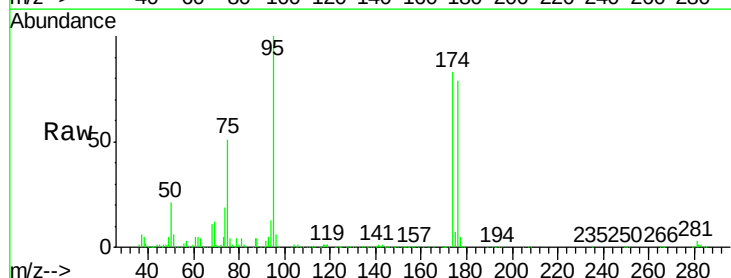
Tgt Ion: 95 Resp: 423056

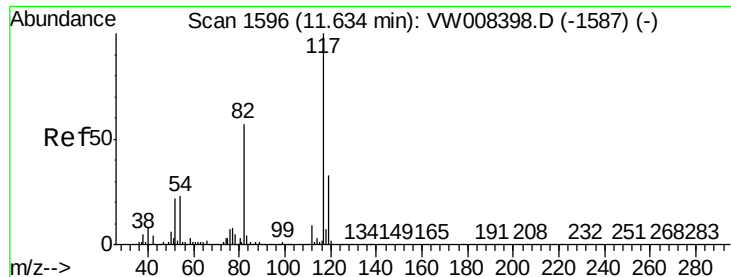
Ion Ratio Lower Upper

95 100

174 81.5 0.0 157.6

176 77.8 0.0 151.8

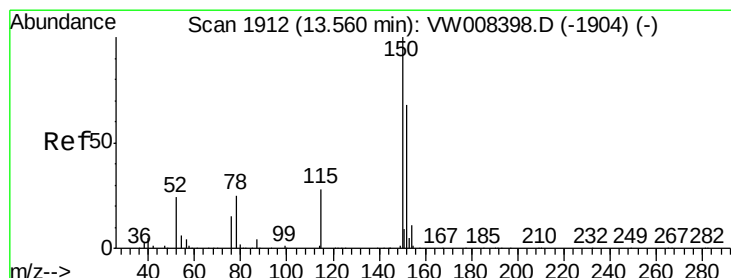
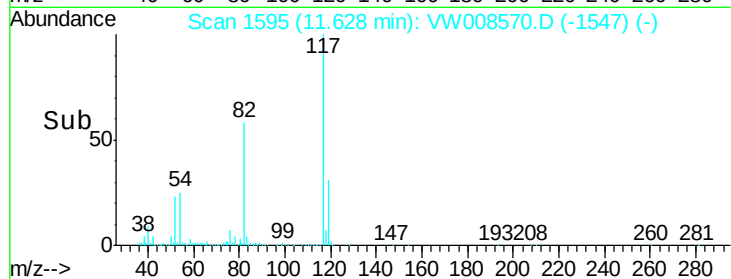
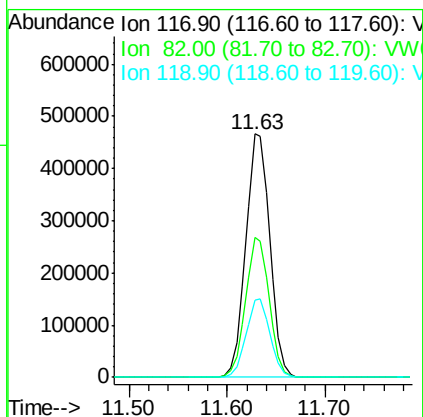
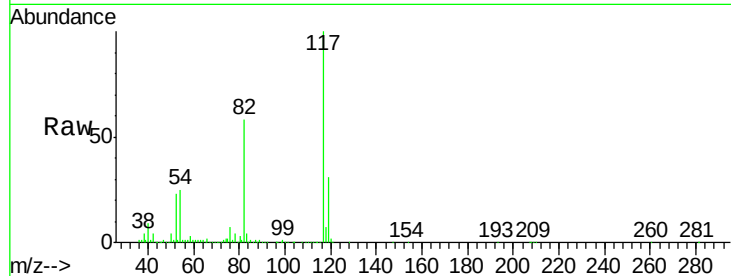




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW008570.D  
Acq: 08 Feb 2019 13:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0208SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.6  | 45.4  | 68.0  |
| 119     | 31.5  | 26.2  | 39.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW008570.D  
Acq: 08 Feb 2019 13:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.7  | 29.9  | 89.7  |
| 150     | 155.1 | 0.0   | 351.4 |

