

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
 Data File : VW005217.D  
 Acq On : 07 Sep 2018 18:41  
 Operator : SY/AP  
 Sample : J4801-01  
 Misc : 5.68G/5ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CHRT-26957

Quant Time: Sep 08 01:56:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:35:05 2018  
 Response via : Initial Calibration

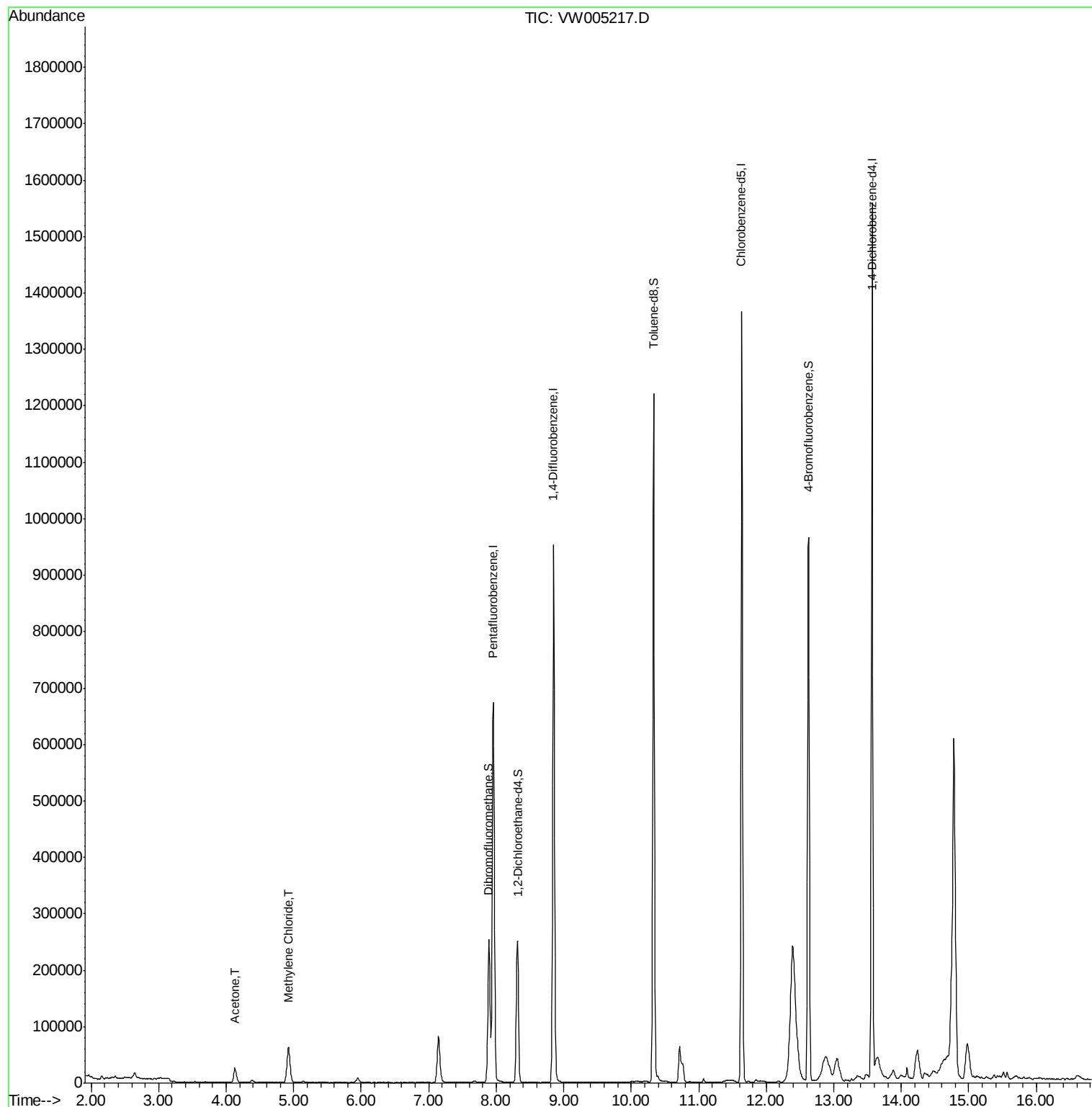
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.96  | 168  | 547385   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 853982   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 832525   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 422040   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 195325   | 43.05 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.10% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 186592   | 37.81 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 75.62% |          |
| 50) Toluene-d8              | 10.33 | 98   | 844416   | 37.13 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 74.26% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 324836   | 40.51 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 81.02% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 4.13  | 43   | 44674    | 49.09 | ug/l   | 95       |
| 20) Methylene Chloride      | 4.92  | 84   | 52259    | 5.00  | ug/l   | 98       |

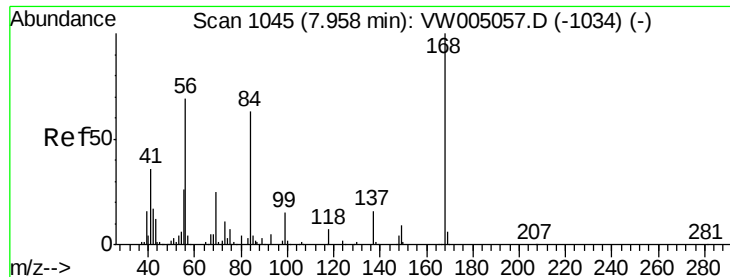
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 01 03:35:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

Instrument :

MSVOA\_W

ClientSampleId :

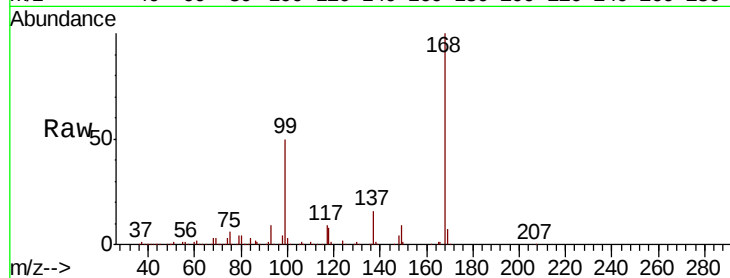
CHRT-26957

Tot Ion:168 Resp: 547385

Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

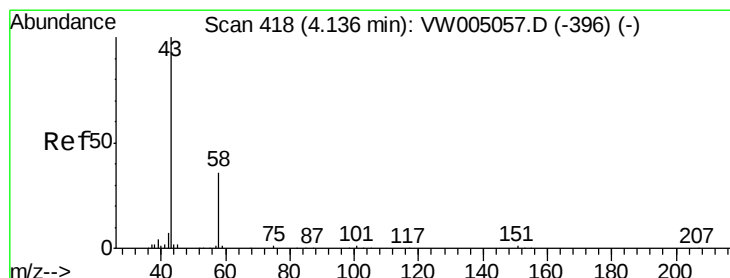
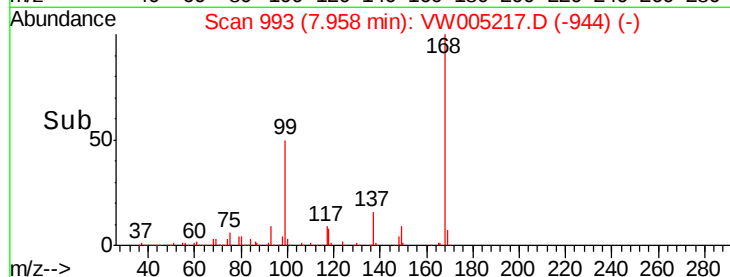
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 49.09 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005217.D

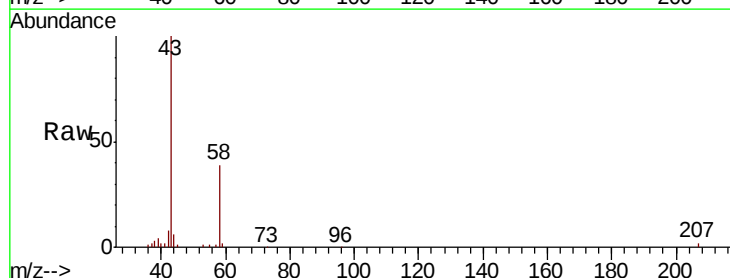
Acq: 07 Sep 2018 18:41

Tgt Ion: 43 Resp: 44674

Ion Ratio Lower Upper

43 100

58 39.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

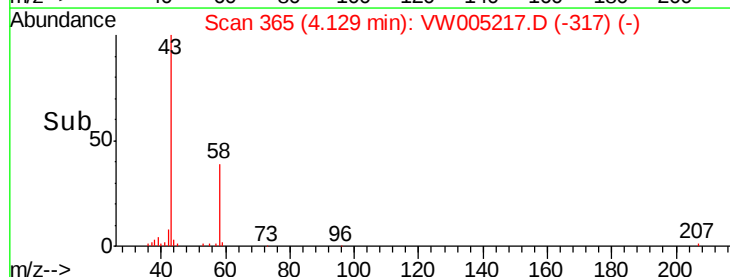
15000

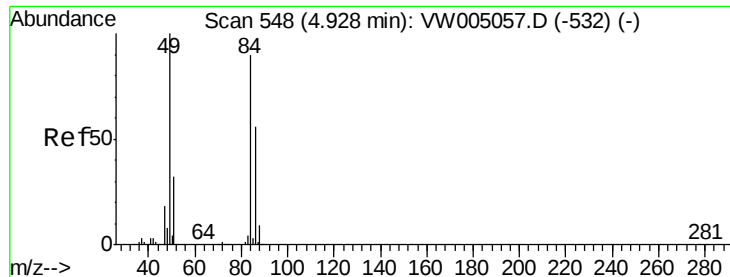
10000

5000

0

Time-->

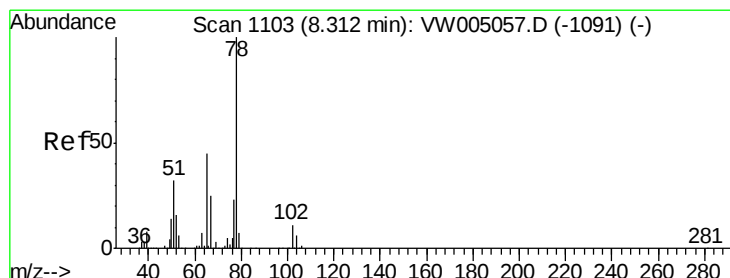
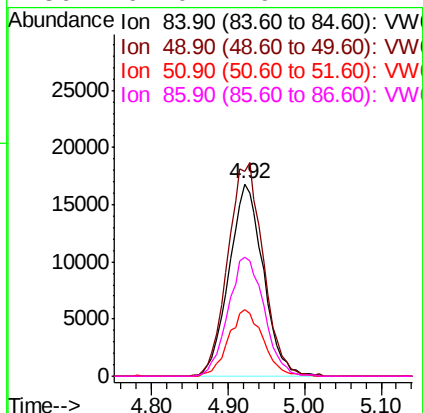
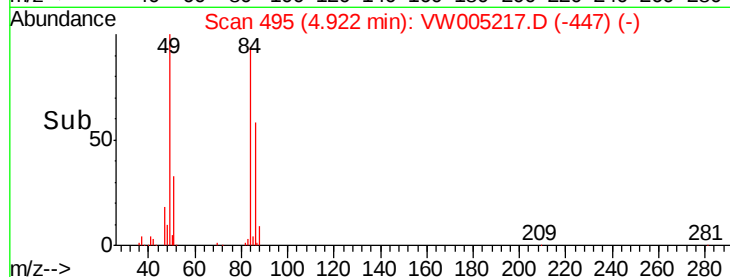
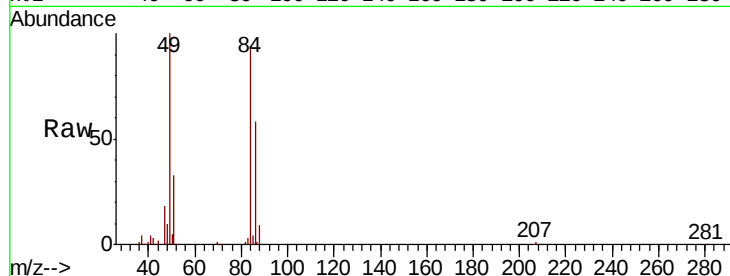




#20  
Methylene Chloride  
Concen: 5.00 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. -0.01 min  
Lab File: VW005217.D  
Acq: 07 Sep 2018 18:41

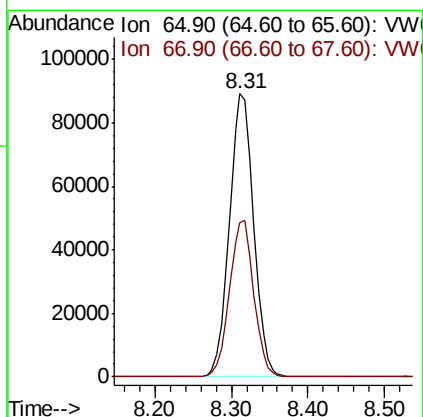
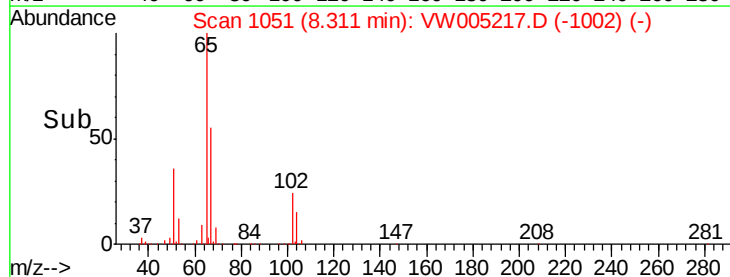
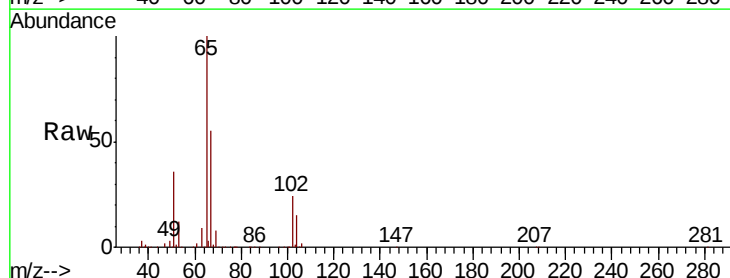
Instrument :  
MSVOA\_W  
ClientSampled :  
CHRT-26957

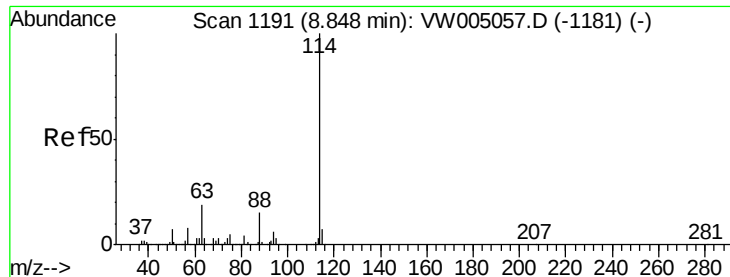
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 52259 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 106.7 | 88.7  | 133.1 |
| 51       | 34.9  | 28.6  | 42.8  |
| 86       | 62.0  | 49.4  | 74.2  |



#33  
1,2-Dichloroethane-d4  
Concen: 43.05 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW005217.D  
Acq: 07 Sep 2018 18:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 195325 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 55.2  | 0.0   | 109.4  |

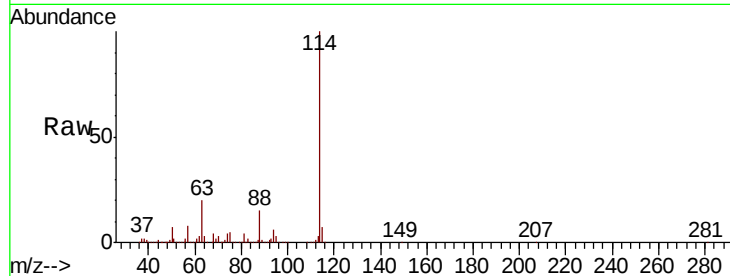




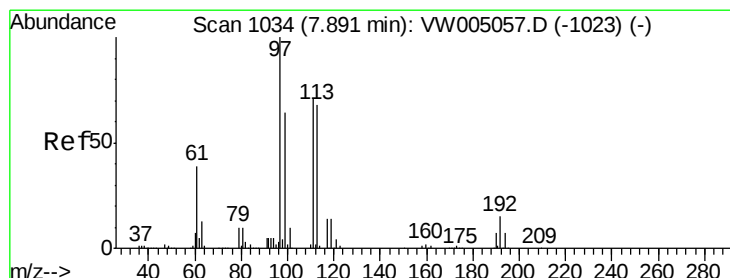
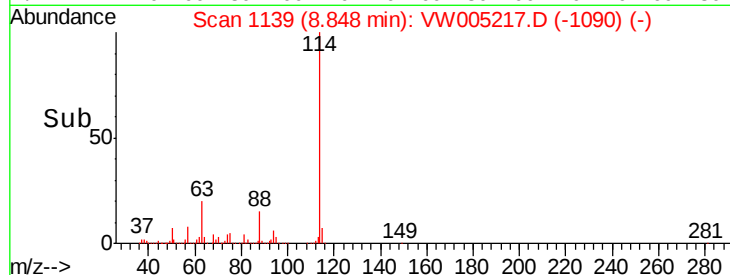
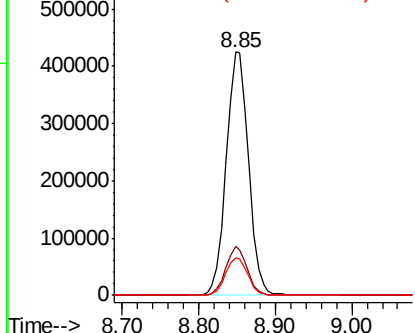
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005217.D  
 Acq: 07 Sep 2018 18:41

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CHRT-26957

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.9  | 0.0   | 38.0  |
| 88      | 15.5  | 0.0   | 30.2  |

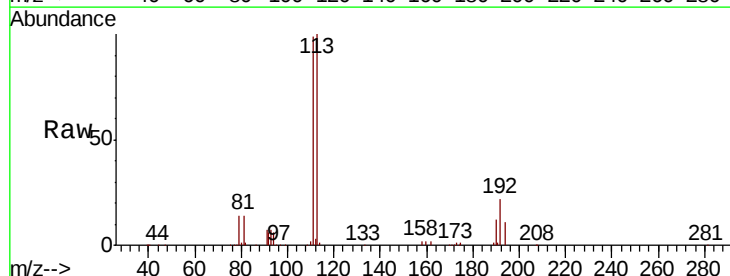


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

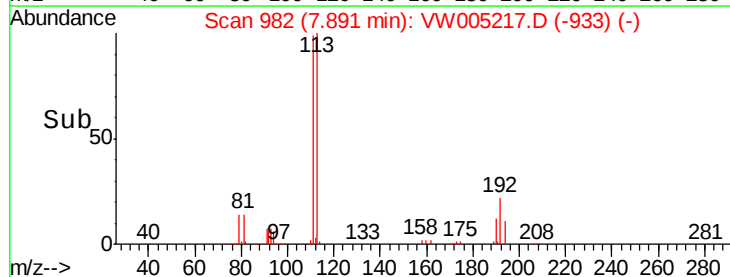
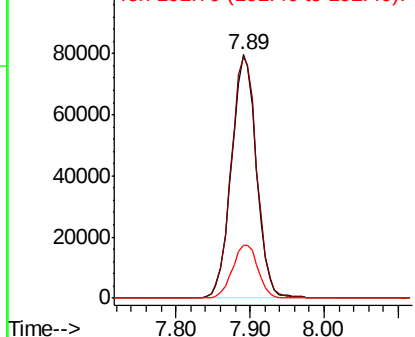


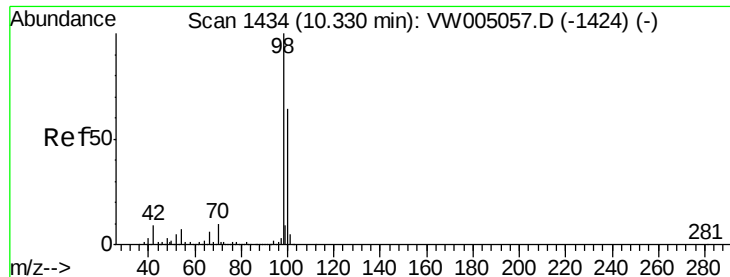
#35  
 Dibromofluoromethane  
 Concen: 37.81 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW005217.D  
 Acq: 07 Sep 2018 18:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 82.2  | 123.2 |
| 192     | 22.4  | 18.1  | 27.1  |



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: 37.13 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

Instrument :

MSVOA\_W

ClientSampleId :

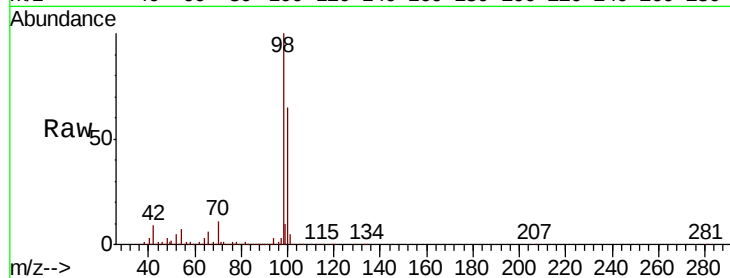
CHRT-26957

Tot Ion: 98 Resp: 844416

Ion Ratio Lower Upper

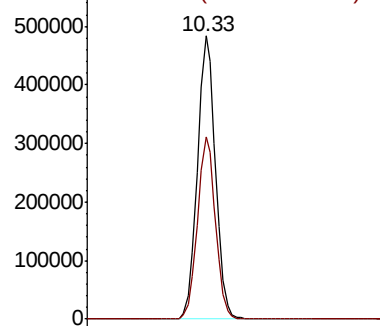
98 100

100 64.2 51.7 77.5

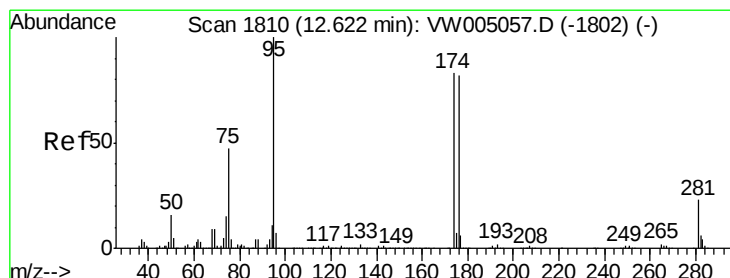
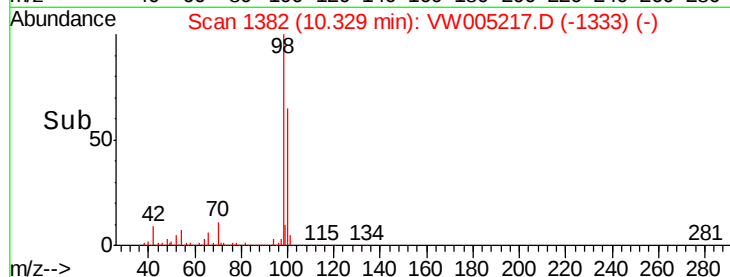


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 40.51 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

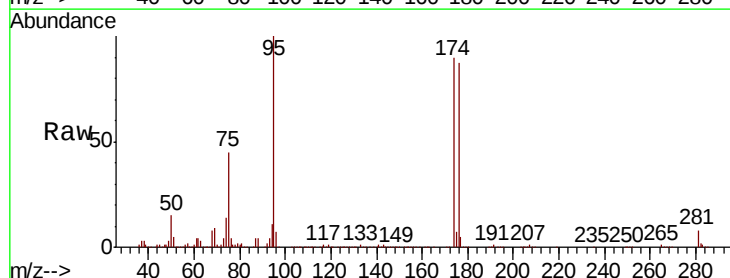
Tgt Ion: 95 Resp: 324836

Ion Ratio Lower Upper

95 100

174 86.5 0.0 173.4

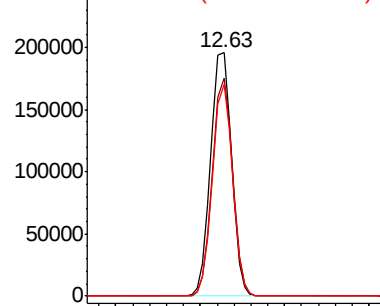
176 83.5 0.0 167.4



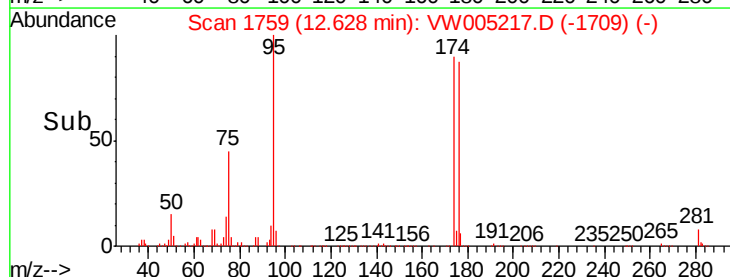
Abundance Ion 94.90 (94.60 to 95.60): VW

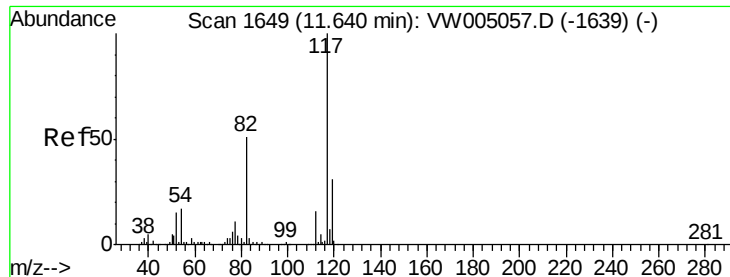
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

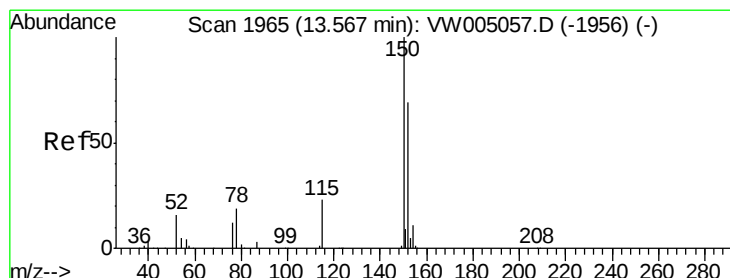
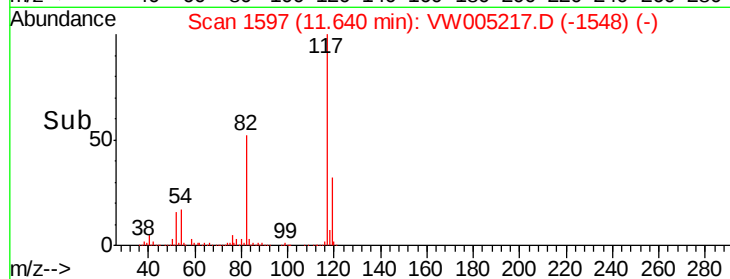
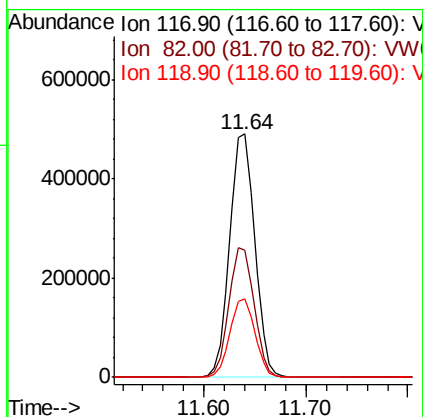
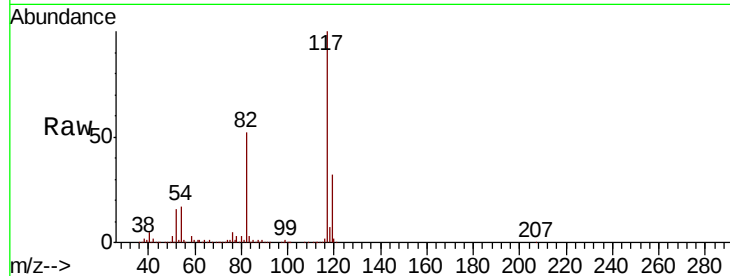




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. -0.00 min  
Lab File: VW005217.D  
Acq: 07 Sep 2018 18:41

Instrument :  
MSVOA\_W  
ClientSampleId :  
CHRT-26957

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.3  | 40.9  | 61.3  |
| 119     | 32.4  | 24.9  | 37.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW005217.D  
Acq: 07 Sep 2018 18:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.3  | 27.8  | 83.4  |
| 150     | 156.9 | 0.0   | 351.4 |

