

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091318\  
 Data File : VR025710.D  
 Acq On : 13 Sep 2018 12:07  
 Operator : SY/MD  
 Sample : VR0913WBL01  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VBLK95

Quant Time: Sep 14 06:56:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR090718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 14 06:42:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 665736   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 546954   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 171058   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.16   | 65    | 123696   | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.40%  |
| 7) Chloroethane-d5             | 2.62   | 69    | 113744   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.00%  |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 265846   | 3.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.20%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 130778   | 44.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.52%  |
| 24) Chloroform-d               | 7.20   | 84    | 307133   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 105065   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.60%  |
| 32) Benzene-d6                 | 7.85   | 84    | 710136   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 189061   | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.00%  |
| 41) Toluene-d8                 | 9.97   | 98    | 634238   | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 36280    | 3.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.80%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 150911   | 51.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.66% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 80969    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 141816   | 5.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.00% |

## Target Compounds

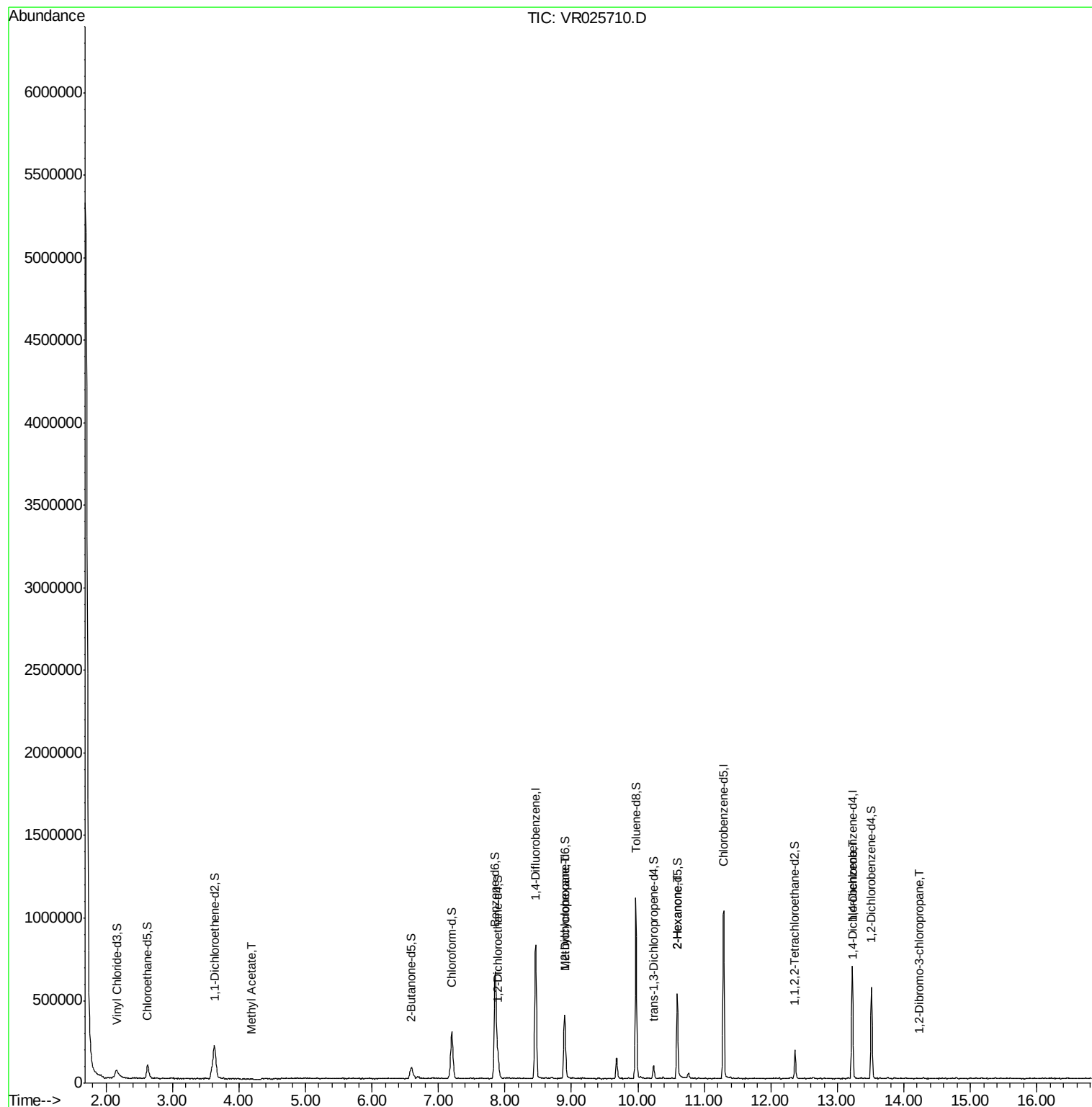
|                                |       |     |       |             | Ovalue |
|--------------------------------|-------|-----|-------|-------------|--------|
| 15) Methyl Acetate             | 4.19  | 43  | 728   | 0.10 ug/L # | 75     |
| 35) Methylcyclohexane          | 8.89  | 83  | 43880 | 0.60 ug/L # | 21     |
| 48) 2-Hexanone                 | 10.59 | 43  | 17380 | 2.28 ug/L # | 66     |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146 | 2617  | 0.04 ug/L # | 74     |
| 66) 1,2-Dibromo-3-chloropropan | 14.23 | 75  | 397   | 0.29 ug/L   | 95     |

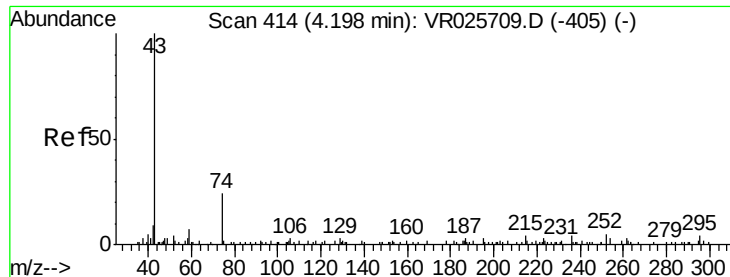
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA R\DATA\VR091318\  
Data File : VR025710.D  
Acq On : 13 Sep 2018 12:07  
Operator : SY/MD  
Sample : VR0913WBL01  
Misc : 25mL/MSVOA R/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
VBLK95

Quant Time: Sep 14 06:56:54 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR090718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Sep 14 06:42:28 2018  
Response via : Initial Calibration

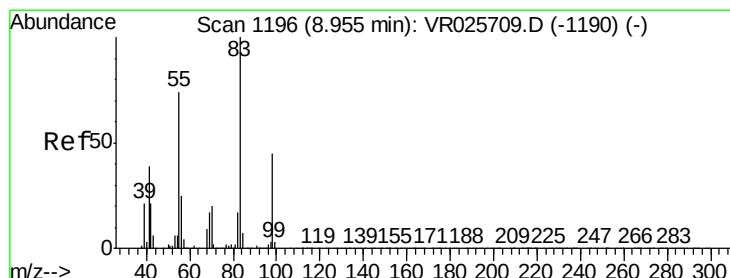
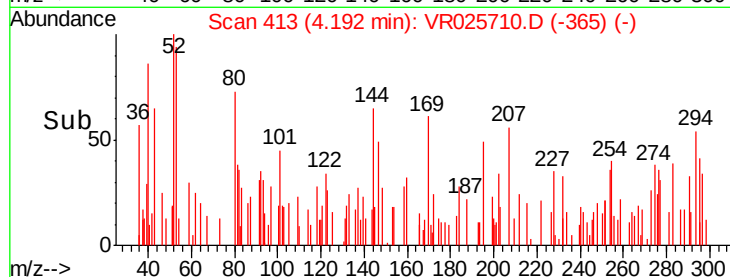
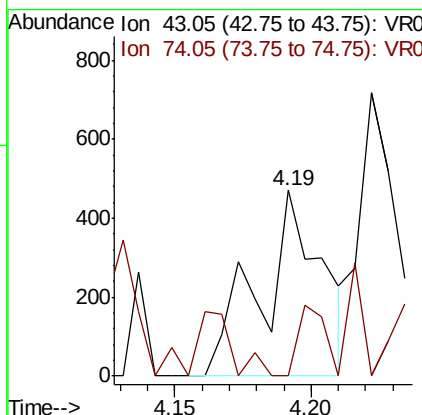
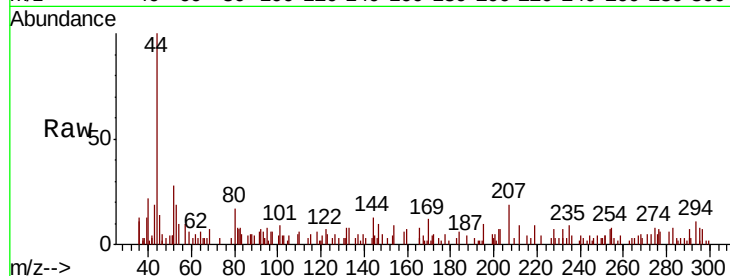




#15  
Methyl Acetate  
Concen: 0.10 ug/L  
RT: 4.19 min Scan# 413  
Delta R.T. -0.01 min  
Lab File: VR025710.D  
Acq: 13 Sep 2018 12:07

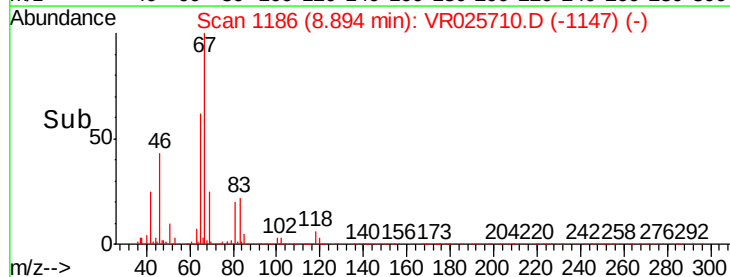
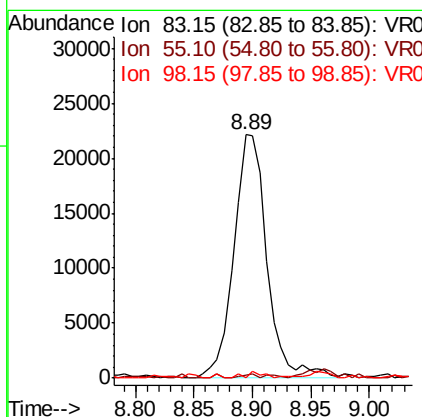
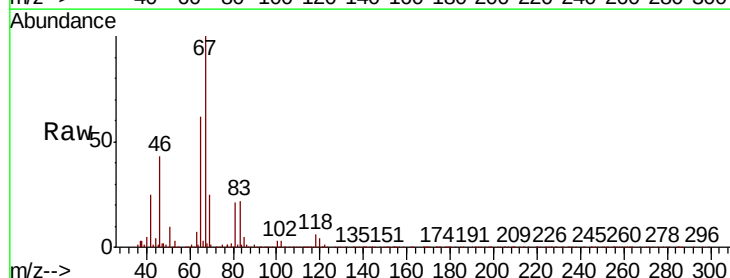
Instrument :  
MSVOA\_R  
ClientSampleId :  
VBLK95

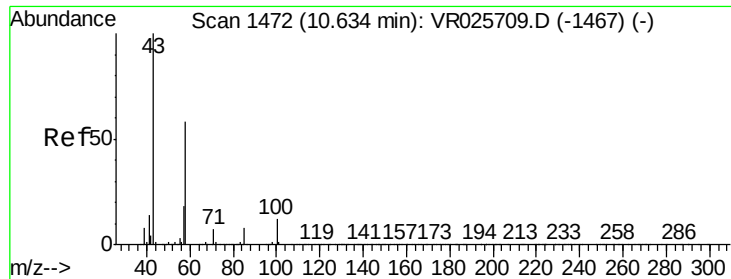
Tot Ion: 43 Resp: 728  
Ion Ratio Lower Upper  
43 100  
74 16.5 24.2 36.4#



#35  
Methylcyclohexane  
Concen: 0.60 ug/L  
RT: 8.89 min Scan# 1186  
Delta R.T. -0.06 min  
Lab File: VR025710.D  
Acq: 13 Sep 2018 12:07

Tgt Ion: 83 Resp: 43880  
Ion Ratio Lower Upper  
83 100  
55 0.7 58.9 88.3#  
98 1.6 36.9 55.3#

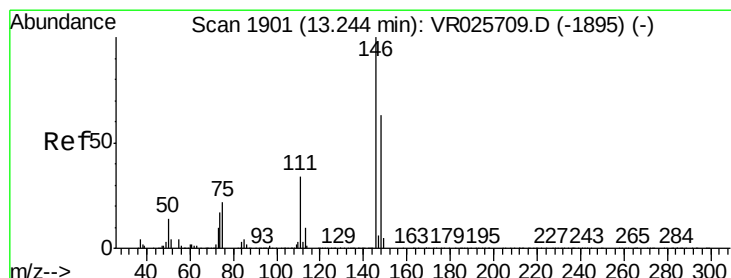
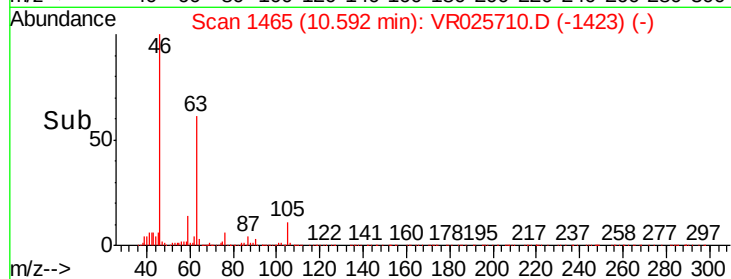
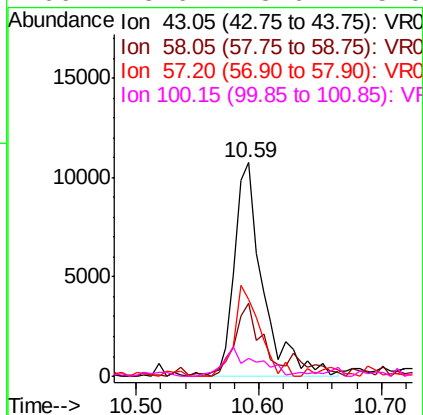
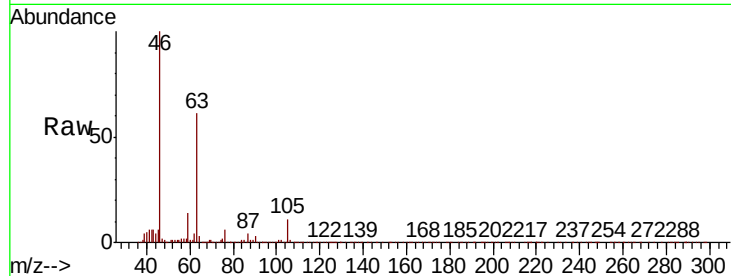




#48  
2-Hexanone  
Concen: 2.28 ug/L  
RT: 10.59 min Scan# 1465  
Delta R.T. -0.04 min  
Lab File: VR025710.D  
Acq: 13 Sep 2018 12:07

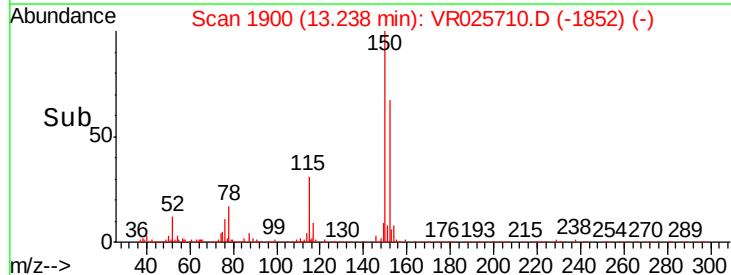
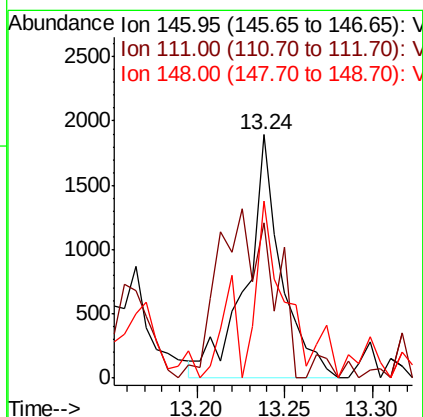
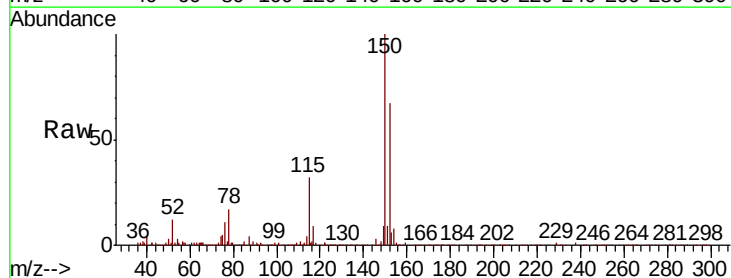
Instrument :  
MSVOA\_R  
ClientSampleId :  
VBLK95

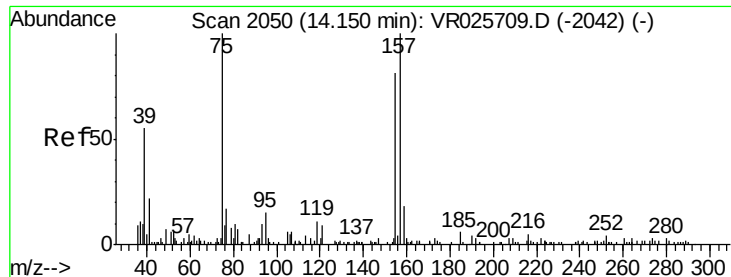
Tot Ion: 43 Resp: 17380  
Ion Ratio Lower Upper  
43 100  
58 31.6 45.8 68.8#  
57 37.3 14.2 21.2#  
100 15.6 8.6 13.0#



#63  
1,4-Dichlorobenzene  
Concen: 0.04 ug/L  
RT: 13.24 min Scan# 1900  
Delta R.T. -0.01 min  
Lab File: VR025710.D  
Acq: 13 Sep 2018 12:07

Tgt Ion: 146 Resp: 2617  
Ion Ratio Lower Upper  
146 100  
111 63.9 26.2 48.6#  
148 72.7 42.7 79.3





#66

1,2-Dibromo-3-chloropropane

Concen: 0.29 ug/L

RT: 14.23 min Scan# 2063

Delta R.T. 0.08 min

Lab File: VR025710.D

Acq: 13 Sep 2018 12:07

Instrument :

MSVOA\_R

ClientSampleId :

VBLK95

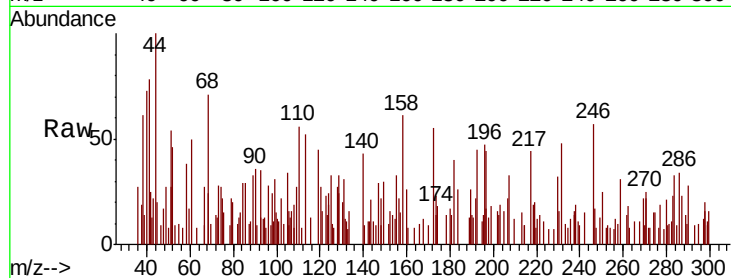
Tot Ion: 75 Resp: 397

Ion Ratio Lower Upper

75 100

155 90.4 79.3 118.9

157 101.2 81.4 122.2



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

