

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV090518\  
 Data File : VV007410.D  
 Acq On : 06 Sep 2018 02:38  
 Operator : SY/MD  
 Sample : J4751-02 50X  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGH3

Quant Time: Sep 06 04:21:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 06 02:12:11 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 480022   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 467451   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 169464   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 139801   | 40.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.54%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 104151   | 46.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.74%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 189935   | 31.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.90%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 222243   | 79.69    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 79.69%  |
| 24) Chloroform-d               | 4.40    | 84    | 329015   | 46.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 210513   | 49.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.40%  |
| 32) Benzene-d6                 | 5.10    | 84    | 627291   | 44.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.06%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 223129   | 47.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.52%  |
| 41) Toluene-d8                 | 7.36    | 98    | 477099   | 39.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 78.68%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 82742    | 41.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.28%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 162728   | 87.92    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.92%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 311933   | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.74%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 184748   | 50.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.46% |

## Target Compounds

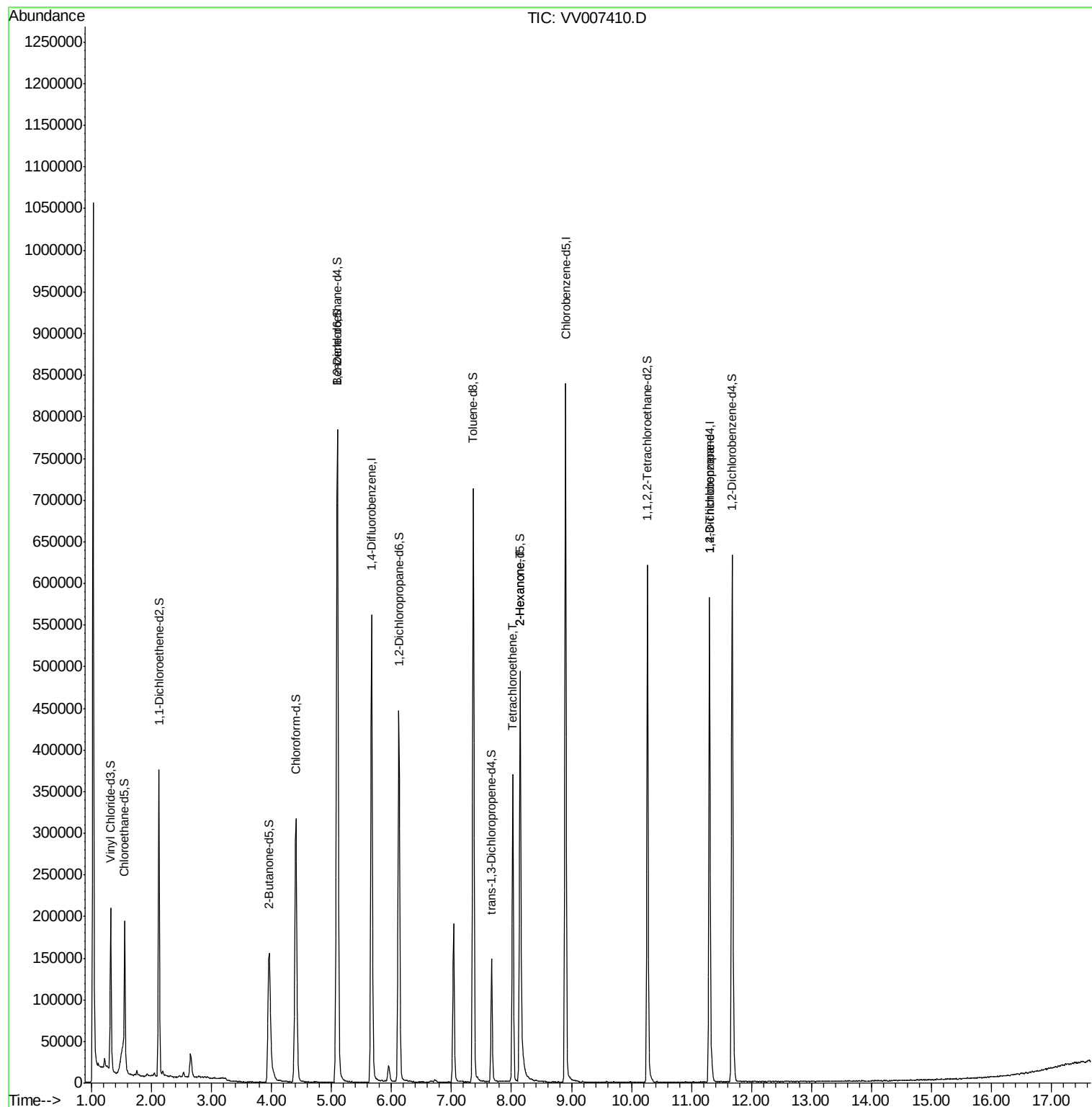
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 46) Tetrachloroethene      | 8.02  | 164 | 87023 | 29.649 ug/L  | 96     |
| 48) 2-Hexanone             | 8.14  | 43  | 20256 | 5.472 ug/L # | 73     |
| 59) 1,2,3-Trichloropropane | 11.30 | 75  | 19740 | 4.039 ug/L   | 94     |

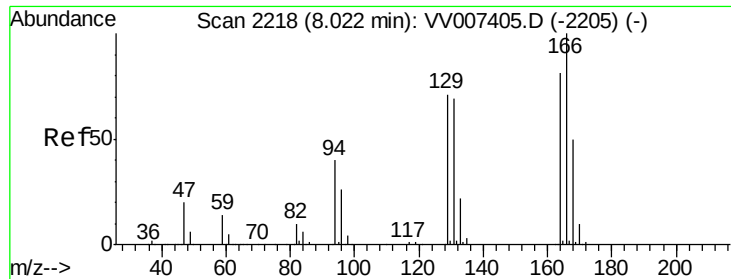
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV090518\  
Data File : VV007410.D  
Acq On : 06 Sep 2018 02:38  
Operator : SY/MD  
Sample : J4751-02 50X  
Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BEGH3

Quant Time: Sep 06 04:21:50 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 06 02:12:11 2018  
Response via : Initial Calibration

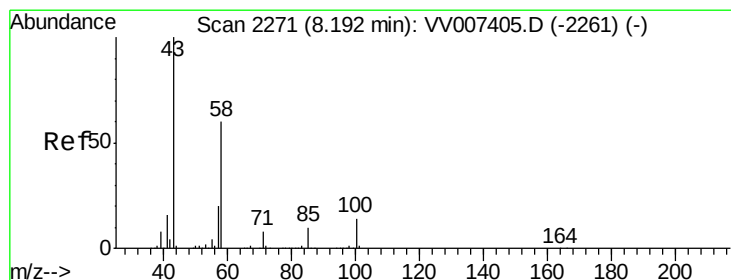
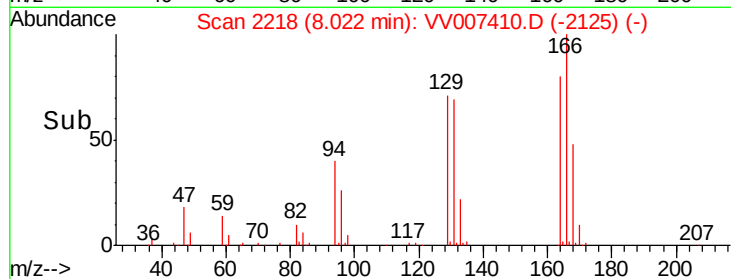
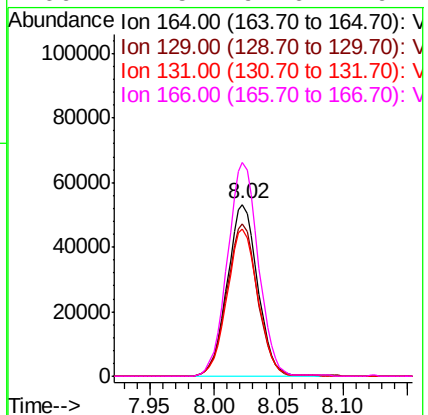
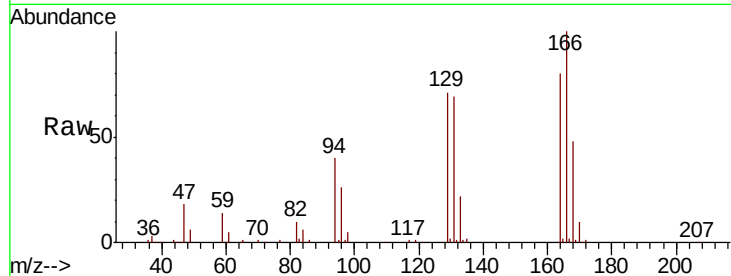




#46  
Tetrachloroethene  
Concen: 29.649 ug/L  
RT: 8.02 min Scan# 2218  
Delta R.T. 0.00 min  
Lab File: VV007410.D  
Acq: 06 Sep 2018 02:38

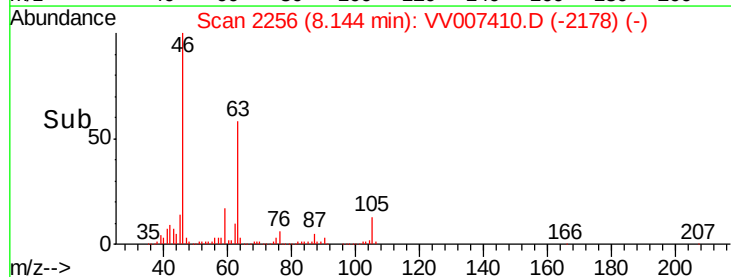
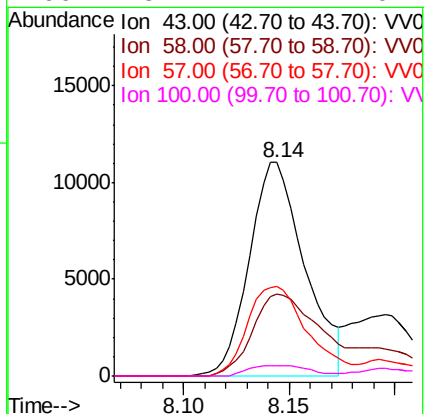
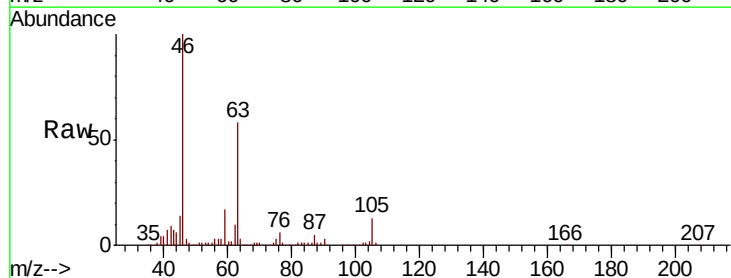
Instrument :  
MSVOA\_V  
ClientSampleId :  
BEGH3

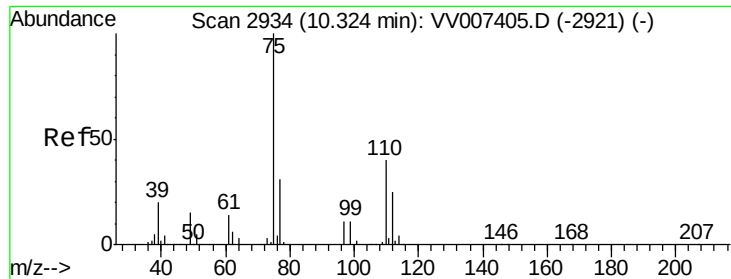
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 87023 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 88.9  | 63.9  | 118.7 |
| 131      | 86.0  | 62.6  | 116.2 |
| 166      | 124.5 | 91.6  | 170.2 |



#48  
2-Hexanone  
Concen: 5.472 ug/L  
RT: 8.14 min Scan# 2256  
Delta R.T. -0.05 min  
Lab File: VV007410.D  
Acq: 06 Sep 2018 02:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20256 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 46.9  | 48.6  | 72.8# |
| 57       | 45.7  | 16.2  | 24.2# |
| 100      | 5.2   | 11.1  | 16.7# |





#59

1,2,3-Trichloropropane

Concen: 4.039 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.98 min

Lab File: VV007410.D

Acq: 06 Sep 2018 02:38

Instrument :

MSVOA\_V

ClientSampleId :

BEGH3

Tgt Ion: 75 Resp: 19740

Ion Ratio Lower Upper

75 100

77 35.2 25.5 38.3

