

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090518\  
 Data File : VV007414.D  
 Acq On : 06 Sep 2018 04:18  
 Operator : SY/MD  
 Sample : J4751-06 50X  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGH7

Quant Time: Sep 06 07:39:59 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  | 477168   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 466950   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 170461   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 139442   | 40.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.82%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 114390   | 51.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 102.46% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 189135   | 31.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.00%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 206705   | 74.56    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 74.56%  |
| 24) Chloroform-d               | 4.40    | 84    | 318219   | 45.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.26%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 204313   | 48.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.08%  |
| 32) Benzene-d6                 | 5.10    | 84    | 612530   | 43.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.04%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 215029   | 45.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 91.18%  |
| 41) Toluene-d8                 | 7.36    | 98    | 470223   | 38.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 77.62%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 79183    | 39.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.84%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 164273   | 88.85    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.85%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 302397   | 46.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.88%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 180944   | 49.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.78%  |

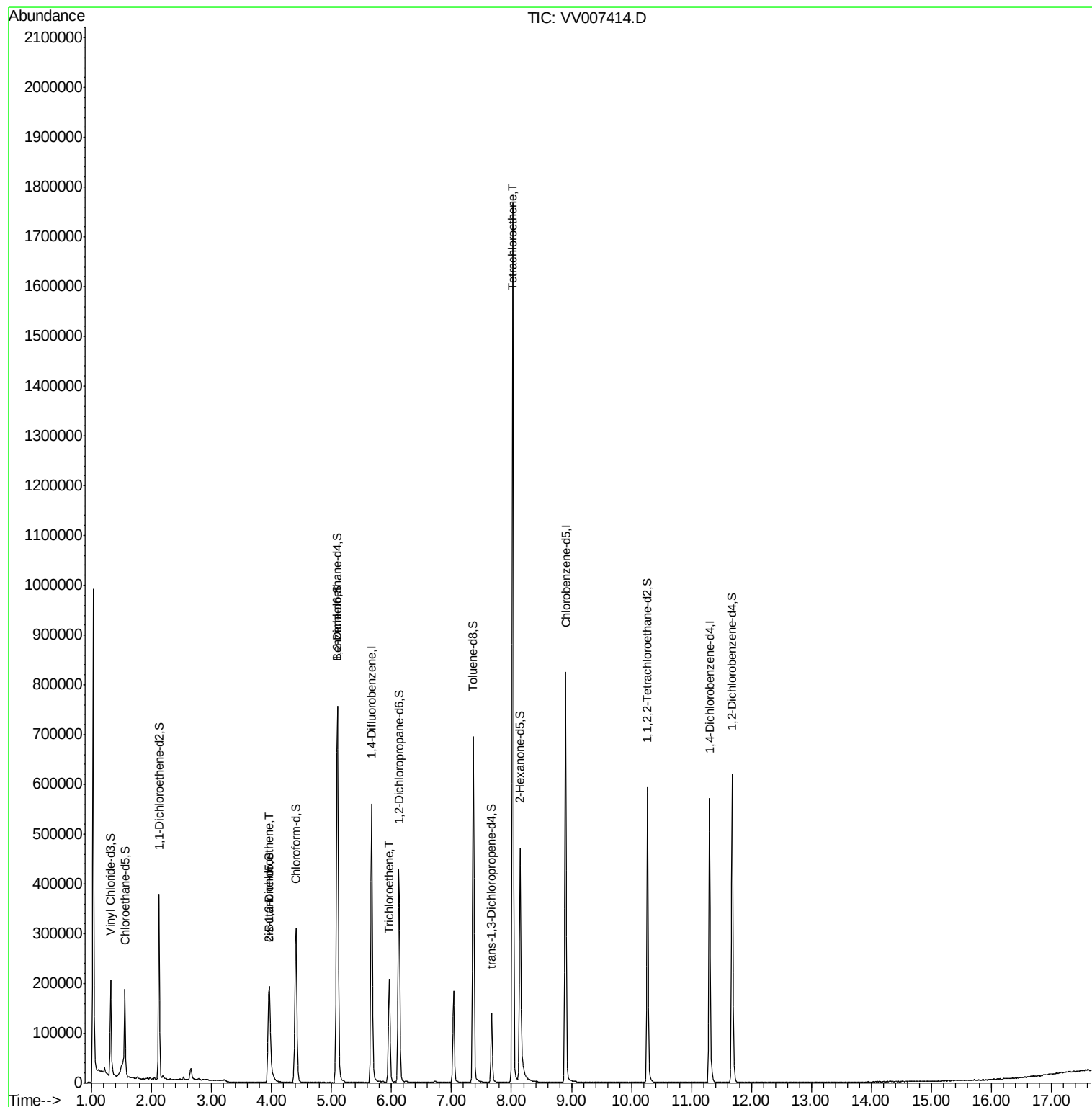
| Target Compounds           |      |     |        |        |      | Ovalue |
|----------------------------|------|-----|--------|--------|------|--------|
| 20) cis-1,2-Dichloroethene | 3.96 | 96  | 29643  | 7.82   | ug/L | 95     |
| 34) Trichloroethene        | 5.96 | 95  | 71695  | 19.66  | ug/L | 97     |
| 46) Tetrachloroethene      | 8.02 | 164 | 415676 | 141.78 | ug/L | 97     |

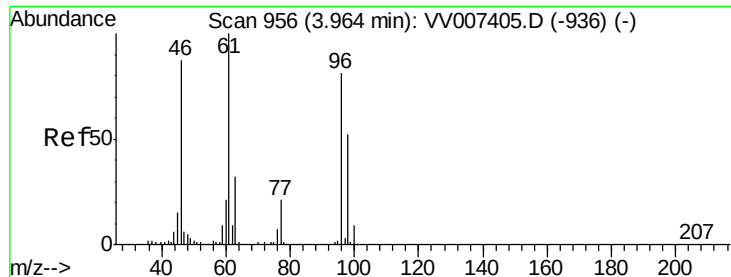
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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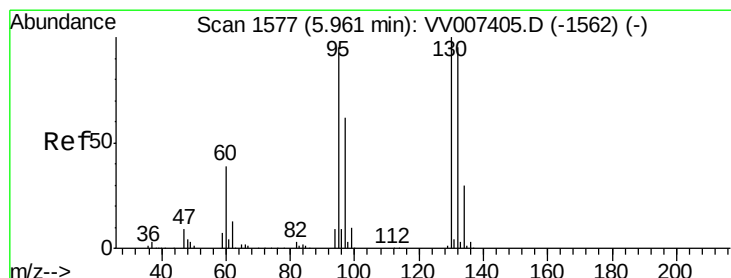
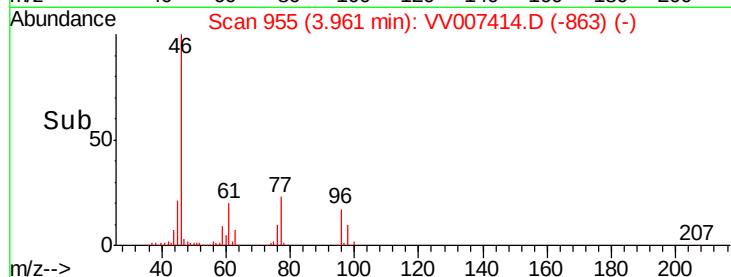
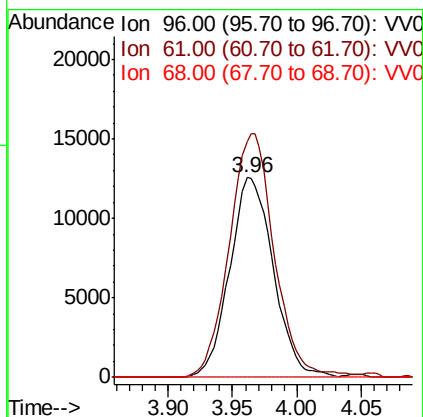
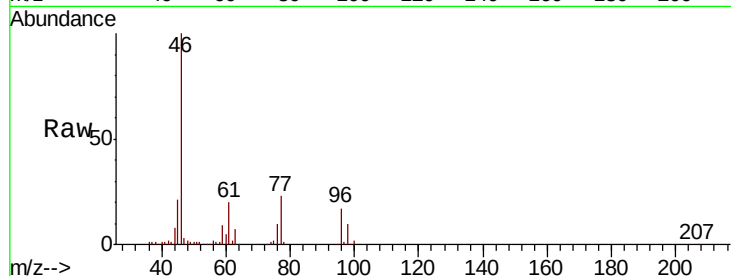




#20  
 cis-1,2-Dichloroethene  
 Concen: 7.82 ug/L  
 RT: 3.96 min Scan# 955  
 Delta R.T. -0.00 min  
 Lab File: VV007414.D  
 Acq: 06 Sep 2018 04:18

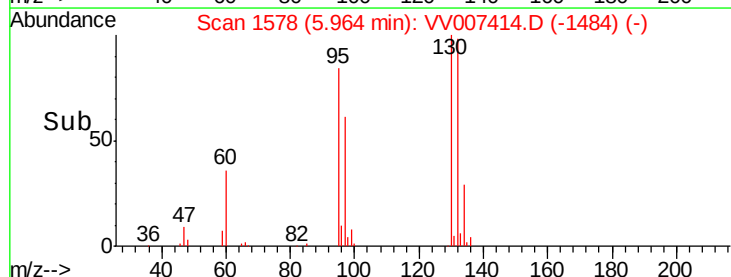
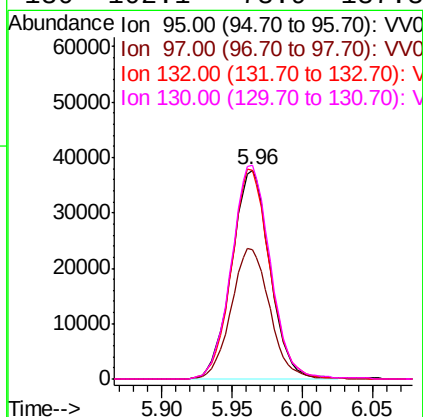
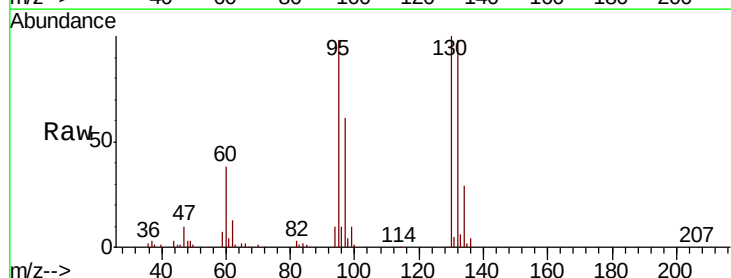
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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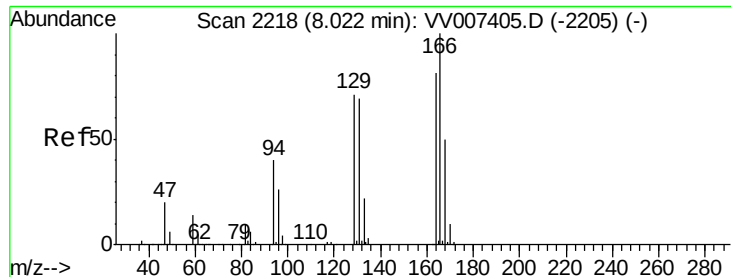
Tot Ion: 96 Resp: 29643  
 Ion Ratio Lower Upper  
 96 100  
 61 117.8 86.8 161.2  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 19.66 ug/L  
 RT: 5.96 min Scan# 1578  
 Delta R.T. 0.00 min  
 Lab File: VV007414.D  
 Acq: 06 Sep 2018 04:18

Tgt Ion: 95 Resp: 71695  
 Ion Ratio Lower Upper  
 95 100  
 97 62.0 46.1 85.7  
 132 100.0 70.8 131.6  
 130 102.1 73.9 137.3





#46

Tetrachloroethene

Concen: 141.78 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007414.D

Acq: 06 Sep 2018 04:18

Instrument :

MSVOA\_V

ClientSampleId :

BEGH7

Tot Ion:164 Resp: 415676

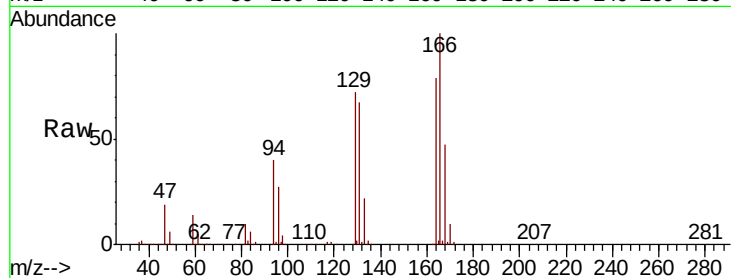
Ion Ratio Lower Upper

164 100

129 90.9 63.9 118.7

131 84.9 62.6 116.2

166 126.9 91.6 170.2



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

