

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102918\  
 Data File : VV008450.D  
 Acq On : 29 Oct 2018 13:56  
 Operator : SY/MD  
 Sample : J5669-06DL 4X  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBX8DL

Quant Time: Oct 30 08:20:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 30 07:40:49 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 197511   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 175652   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 73855    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 50049    | 45.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.54%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 38360    | 48.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.16%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 67076    | 33.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.92%  |
| 21) 2-Butanone-d5              | 3.94    | 46    | 111664   | 93.95    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.95%  |
| 24) Chloroform-d               | 4.41    | 84    | 122956   | 45.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 85382    | 47.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.70%  |
| 32) Benzene-d6                 | 5.10    | 84    | 249816   | 49.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.82%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 87434    | 50.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.64% |
| 41) Toluene-d8                 | 7.36    | 98    | 226018   | 49.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.46%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 42066    | 49.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.66%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 85108    | 93.81    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.81%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 116190   | 49.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 75619    | 50.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.10% |

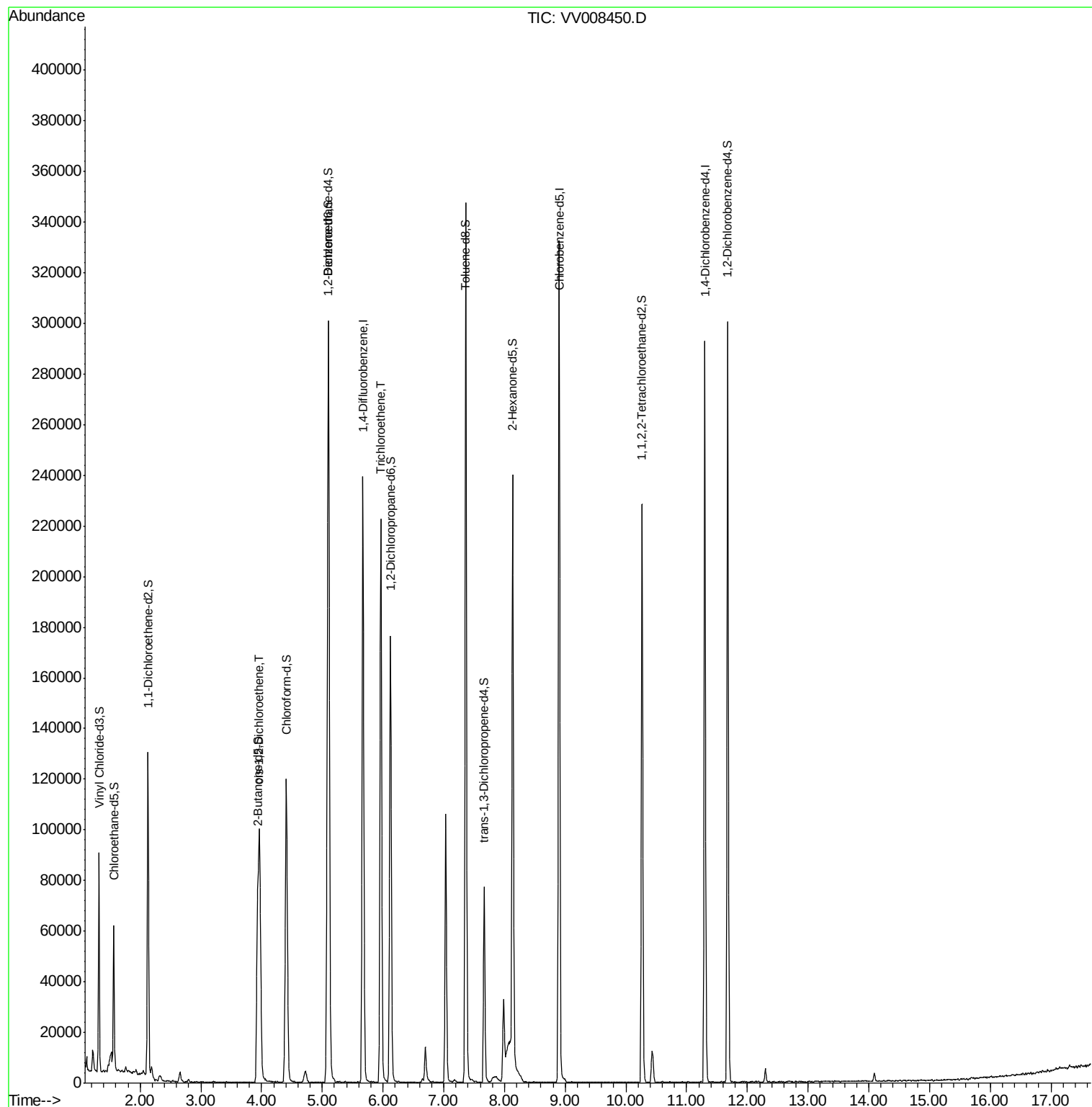
| Target Compounds           |      |    |       |       |      | Qvalue |
|----------------------------|------|----|-------|-------|------|--------|
| 20) cis-1,2-Dichloroethene | 3.97 | 96 | 44917 | 29.19 | ug/L | 97     |
| 34) Trichloroethene        | 5.96 | 95 | 80671 | 54.88 | ug/L | 98     |

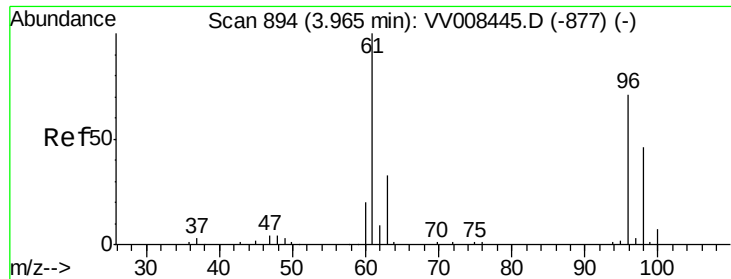
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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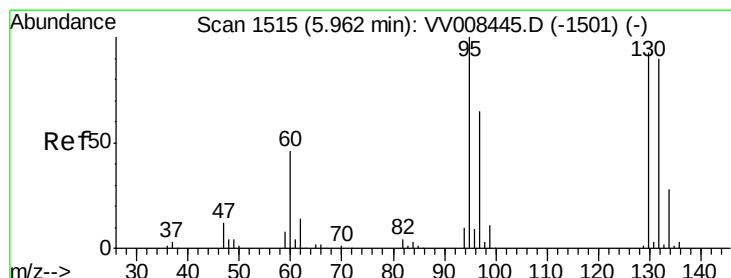
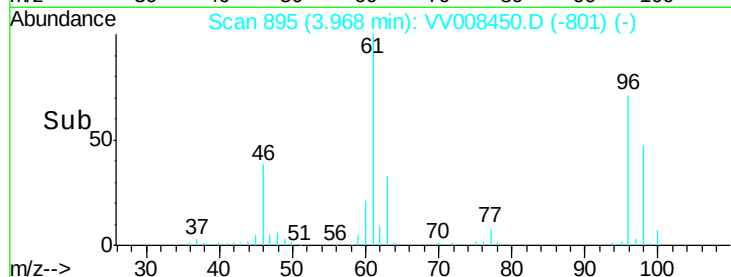
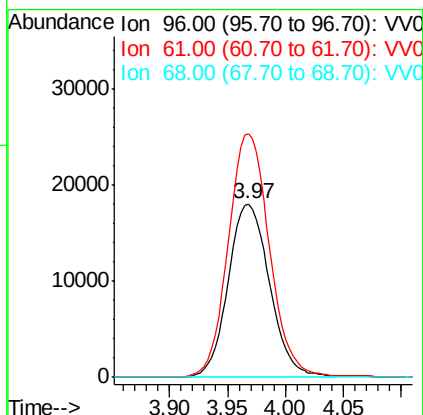
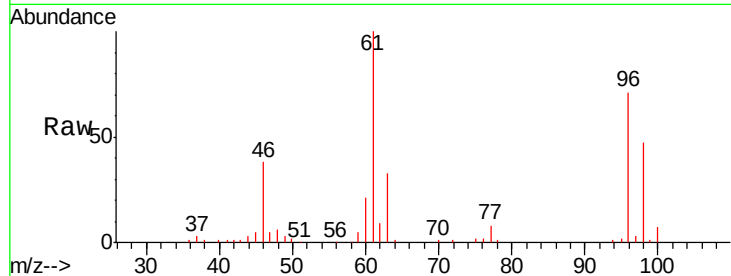




#20  
 cis-1,2-Dichloroethene  
 Concen: 29.19 ug/L  
 RT: 3.97 min Scan# 895  
 Delta R.T. 0.00 min  
 Lab File: VV008450.D  
 Acq: 29 Oct 2018 13:56

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBX8DL

Tgt Ion: 96 Resp: 44917  
 Ion Ratio Lower Upper  
 96 100  
 61 140.6 100.9 187.5  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 54.88 ug/L  
 RT: 5.96 min Scan# 1516  
 Delta R.T. 0.00 min  
 Lab File: VV008450.D  
 Acq: 29 Oct 2018 13:56

Tgt Ion: 95 Resp: 80671  
 Ion Ratio Lower Upper  
 95 100  
 97 64.7 45.2 84.0  
 132 89.0 63.8 118.6  
 130 94.3 64.7 120.1

