

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\  
 Data File : VV008306.D  
 Acq On : 16 Oct 2018 19:13  
 Operator : SY/MD  
 Sample : J5407-03  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CWJS5

Quant Time: Oct 19 11:47:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 17 02:28:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 89769    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 79123    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 31274    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 25413    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 100.20% |
| 7) Chloroethane-d5             | 1.59   | 69    | 17160    | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 37798    | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 84333    | 49.56    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.12%  |
| 24) Chloroform-d               | 4.41   | 84    | 50391    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 26802    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 109663   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 37859    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 96192    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 13425    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 50098    | 45.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 21795    | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 85.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 28286    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.40%  |

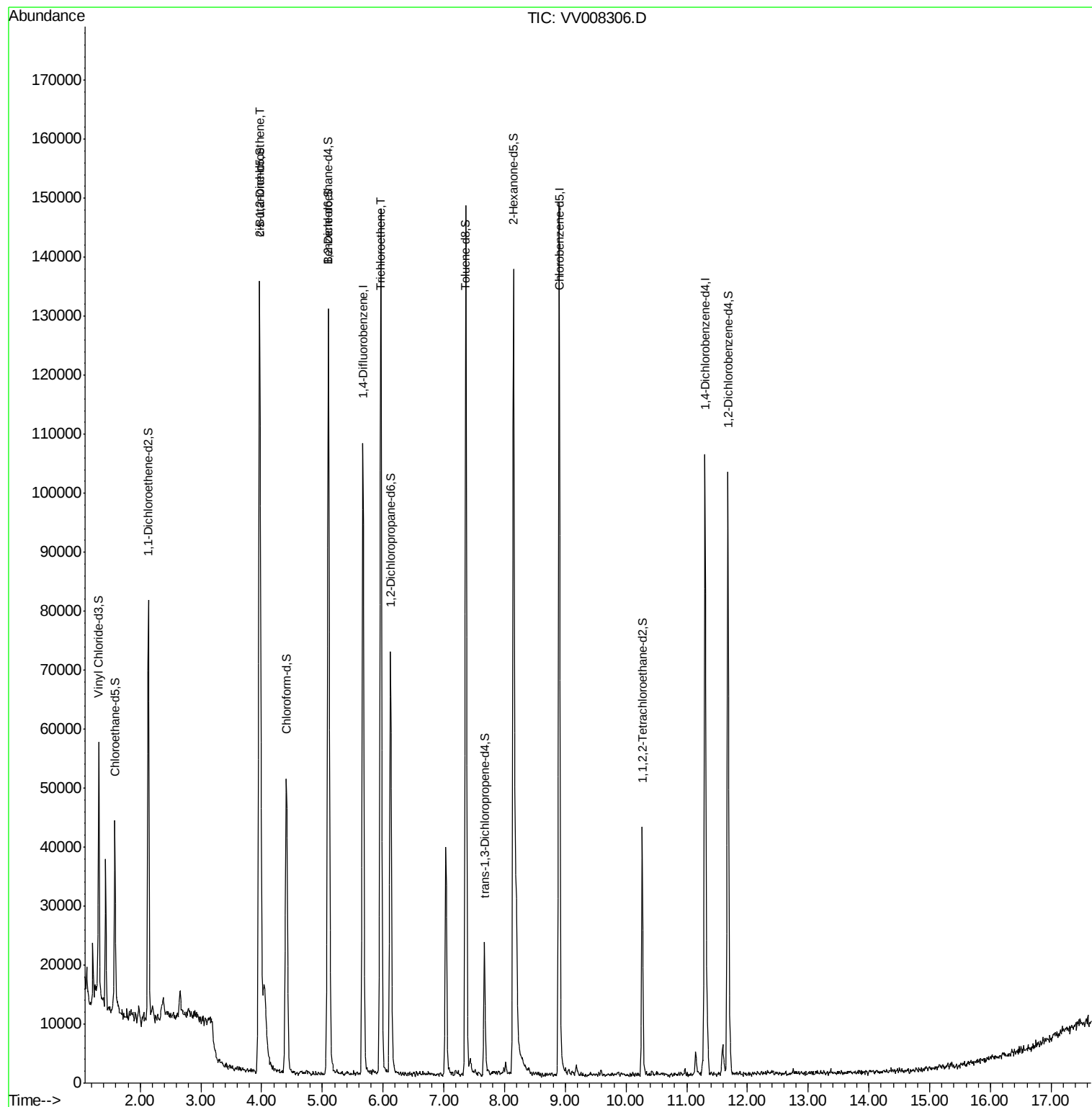
| Target Compounds           |      |    |       |              | Ovalue |
|----------------------------|------|----|-------|--------------|--------|
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 51040 | 6.814 ug/L # | 96     |
| 34) Trichloroethene        | 5.96 | 95 | 50911 | 6.890 ug/L   | 98     |

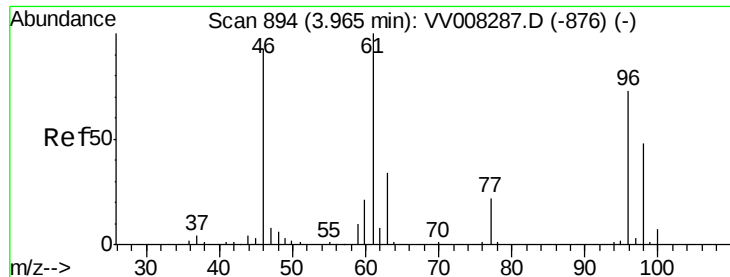
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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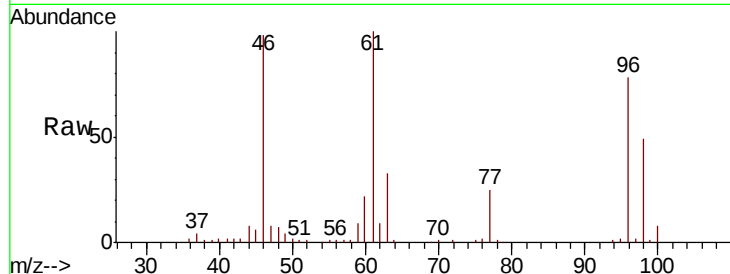


#22

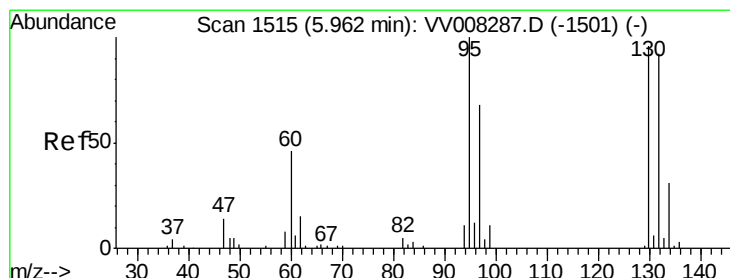
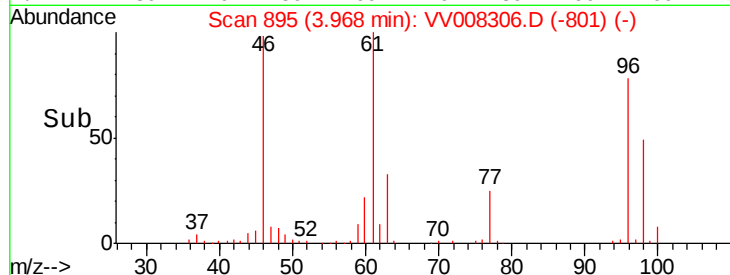
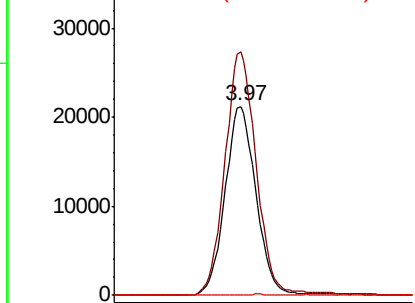
cis-1,2-Dichloroethene  
Concen: 6.814 ug/L  
RT: 3.97 min Scan# 895  
Delta R.T. 0.00 min  
Lab File: VV008306.D  
Acq: 16 Oct 2018 19:13

Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tot Ion: 96 Resp: 51040  
Ion Ratio Lower Upper  
96 100  
61 129.0 93.7 174.1  
68 0.0 0.6 1.2#



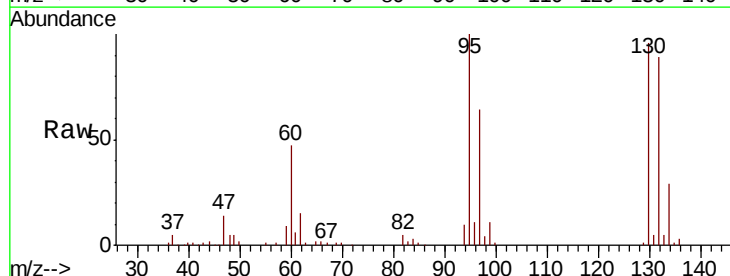
Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.05 (60.75 to 61.75): VV0  
Ion 68.15 (67.85 to 68.85): VV0



#34

Trichloroethene  
Concen: 6.890 ug/L  
RT: 5.96 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VV008306.D  
Acq: 16 Oct 2018 19:13

Tgt Ion: 95 Resp: 50911  
Ion Ratio Lower Upper  
95 100  
97 64.3 44.4 82.4  
132 89.3 60.4 112.2  
130 95.9 65.5 121.7



Abundance Ion 95.00 (94.70 to 95.70): VV0  
Ion 96.95 (96.65 to 97.65): VV0  
Ion 131.95 (131.65 to 132.65): VV0  
Ion 129.95 (129.65 to 130.65): VV0

