

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090418\  
 Data File : VV007368.D  
 Acq On : 05 Sep 2018 08:20  
 Operator : SY/MD  
 Sample : J4678-10  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E5FC6

Quant Time: Sep 05 08:42:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 05 05:24:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 558181   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 540576   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 195759   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 159578   | 40.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.06% |
| 7) Chloroethane-d5             | 1.57    | 69    | 100358   | 38.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 76.86% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 230293   | 32.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.58% |
| 21) 2-Butanone-d5              | 3.96    | 46    | 252135   | 77.75    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 77.75% |
| 24) Chloroform-d               | 4.41    | 84    | 346264   | 41.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.96% |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 218394   | 43.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.80% |
| 32) Benzene-d6                 | 5.11    | 84    | 694526   | 42.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.26% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 234786   | 43.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.00% |
| 41) Toluene-d8                 | 7.37    | 98    | 563506   | 40.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.36% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 87327    | 37.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.10% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 155865   | 72.82    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 299259   | 40.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 80.26% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 201051   | 47.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.58% |

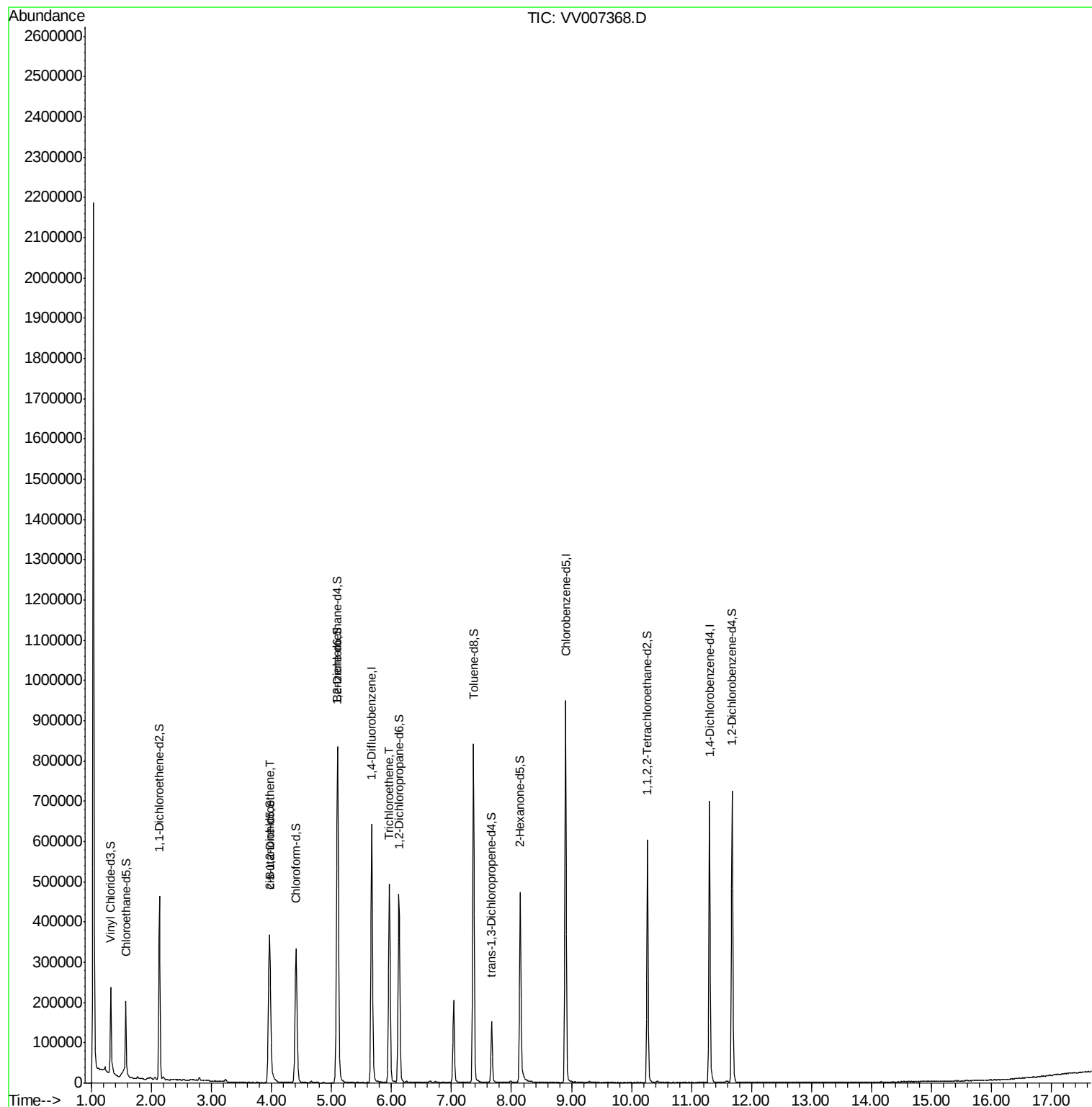
| Target Compounds           |      |    |        |       |      | Ovalue |
|----------------------------|------|----|--------|-------|------|--------|
| 20) cis-1,2-Dichloroethene | 3.97 | 96 | 132254 | 29.84 | ug/L | 98     |
| 34) Trichloroethene        | 5.96 | 95 | 169135 | 40.07 | ug/L | 96     |

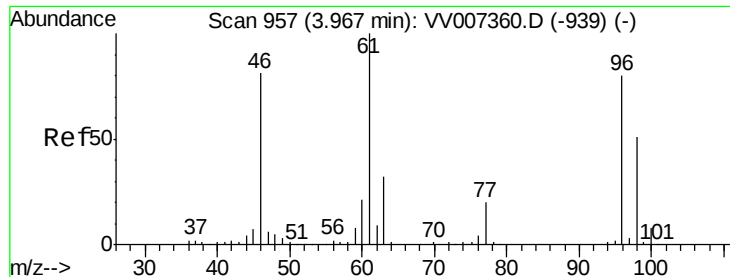
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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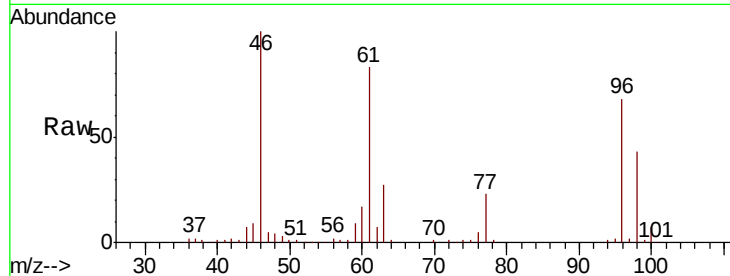




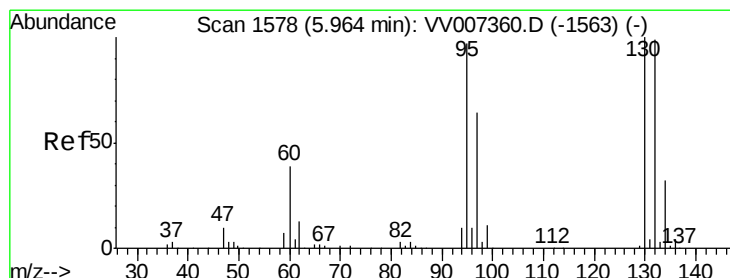
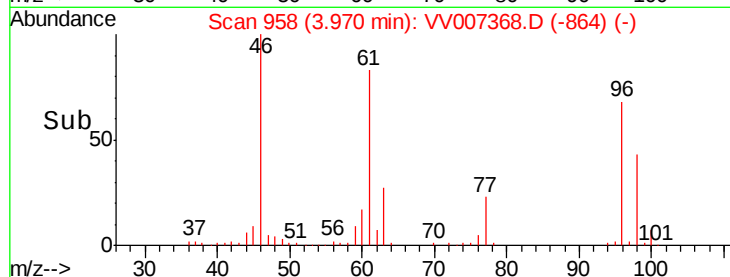
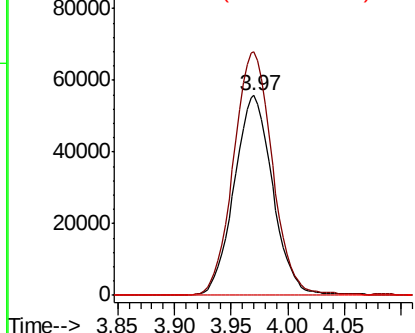
#20  
 cis-1,2-Dichloroethene  
 Concen: 29.84 ug/L  
 RT: 3.97 min Scan# 958  
 Delta R.T. 0.00 min  
 Lab File: VV007368.D  
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 MSVOA\_V  
 ClientSampleId :  
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Tot Ion: 96 Resp: 132254  
 Ion Ratio Lower Upper  
 96 100  
 61 122.0 86.8 161.2  
 68 0.0 0.0 0.0

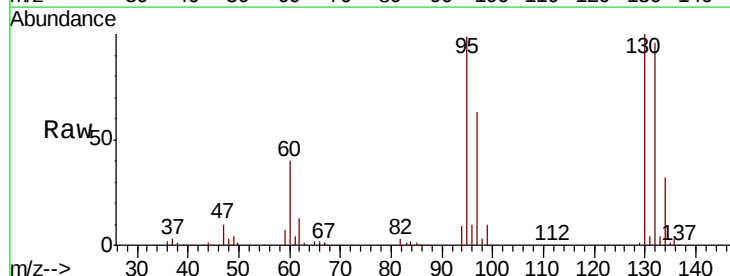


Abundance Ion 96.00 (95.70 to 96.70): VV0  
 Ion 61.00 (60.70 to 61.70): VV0  
 Ion 68.00 (67.70 to 68.70): VV0



#34  
 Trichloroethene  
 Concen: 40.07 ug/L  
 RT: 5.96 min Scan# 1578  
 Delta R.T. -0.00 min  
 Lab File: VV007368.D  
 Acq: 05 Sep 2018 08:20

Tgt Ion: 95 Resp: 169135  
 Ion Ratio Lower Upper  
 95 100  
 97 63.9 46.1 85.7  
 132 97.0 70.8 131.6  
 130 101.3 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VV0  
 Ion 97.00 (96.70 to 97.70): VV0  
 Ion 132.00 (131.70 to 132.70): VV0  
 Ion 130.00 (129.70 to 130.70): VV0

