

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV090418\  
 Data File : VV007371.D  
 Acq On : 05 Sep 2018 09:34  
 Operator : SY/MD  
 Sample : J4678-13  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E5FC9

Quant Time: Sep 06 00:44:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 06 00:43:59 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 525398   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 508792   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 184828   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 158002   | 42.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.20% |
| 7) Chloroethane-d5             | 1.57    | 69    | 116201   | 47.27    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.54% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 219201   | 33.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.32% |
| 21) 2-Butanone-d5              | 3.96    | 46    | 248501   | 81.41    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 81.41% |
| 24) Chloroform-d               | 4.41    | 84    | 337158   | 43.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.86% |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 215701   | 46.06    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.12% |
| 32) Benzene-d6                 | 5.10    | 84    | 665094   | 43.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.74% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 227416   | 44.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.50% |
| 41) Toluene-d8                 | 7.37    | 98    | 536557   | 40.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.30% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 83095    | 37.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.92% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 152176   | 75.54    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 75.54% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 291151   | 41.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 82.96% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 195803   | 49.29    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.58% |

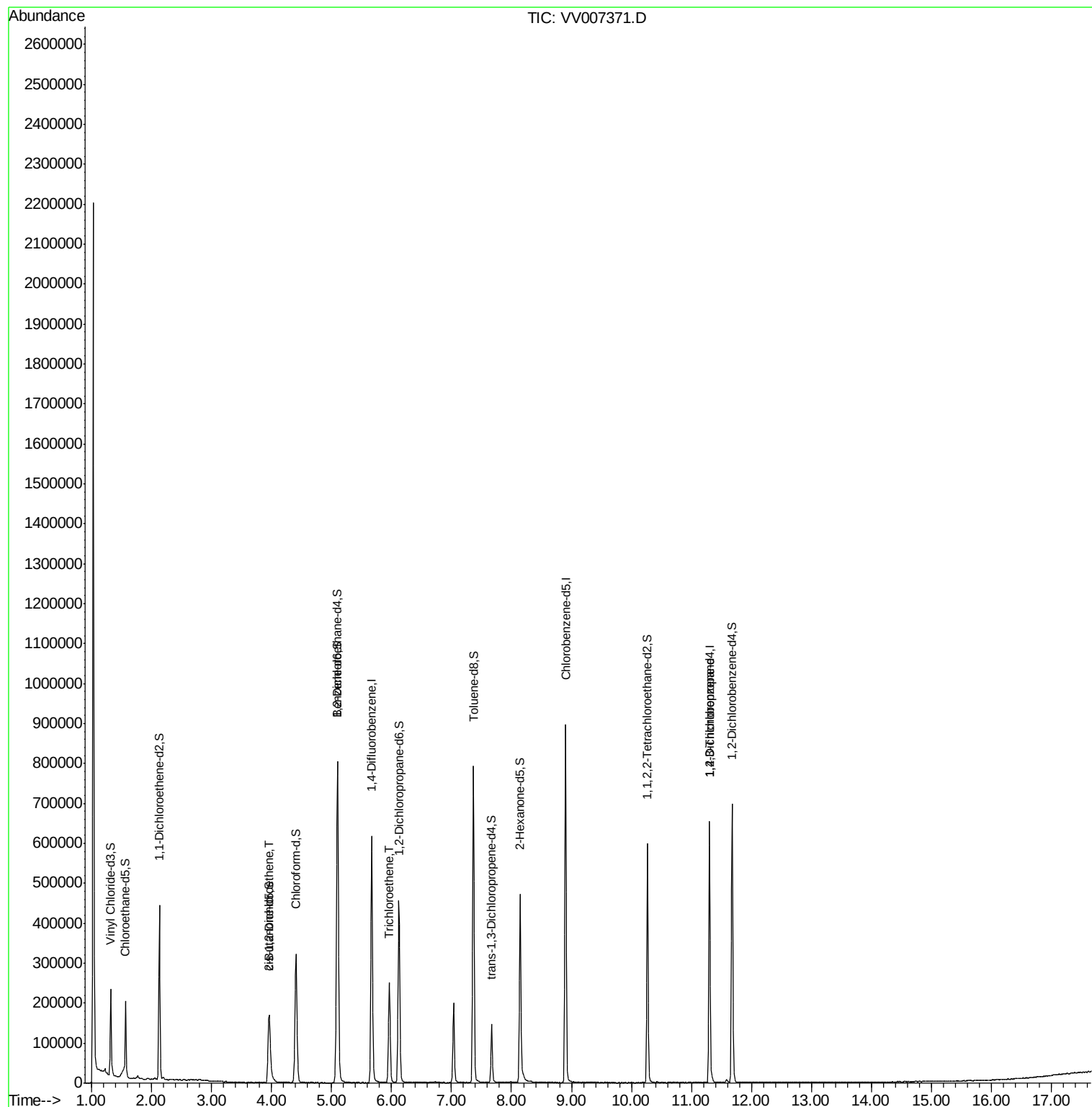
| Target Compounds           |       |    |       |             | Qvalue |
|----------------------------|-------|----|-------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 3.97  | 96 | 15810 | 3.790 ug/L  | 93     |
| 34) Trichloroethene        | 5.96  | 95 | 84793 | 21.343 ug/L | 99     |
| 59) 1,2,3-Trichloropropane | 11.30 | 75 | 20268 | 3.810 ug/L  | 89     |

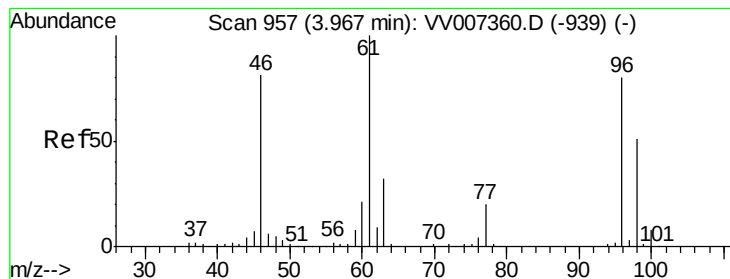
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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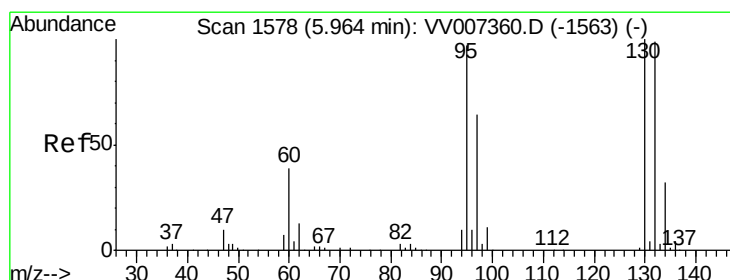
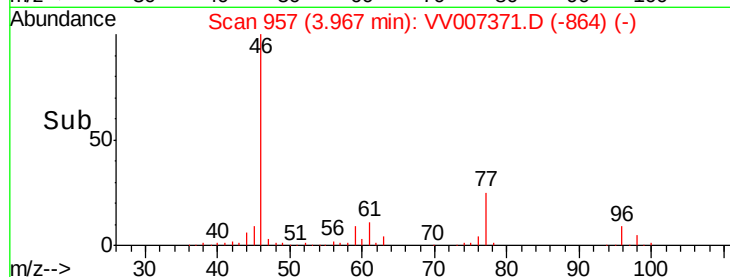
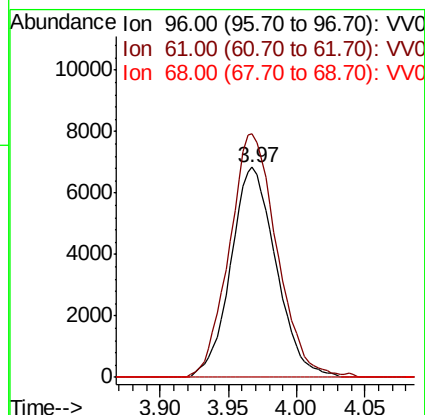
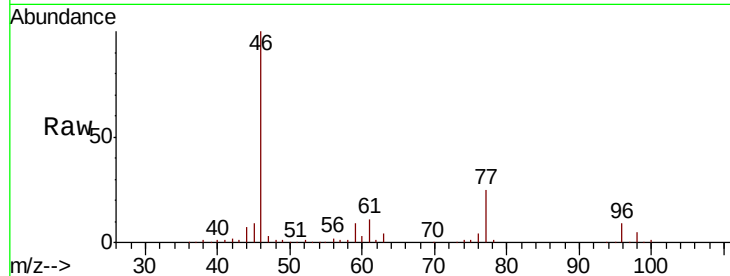


#20

cis-1,2-Dichloroethene  
Concen: 3.790 ug/L  
RT: 3.97 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VV007371.D  
Acq: 05 Sep 2018 09:34

Instrument :  
MSVOA\_V  
ClientSampled :  
E5FC9

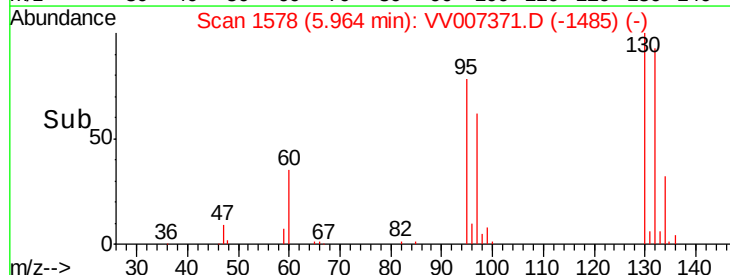
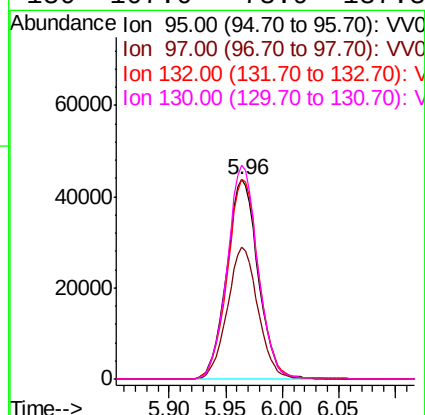
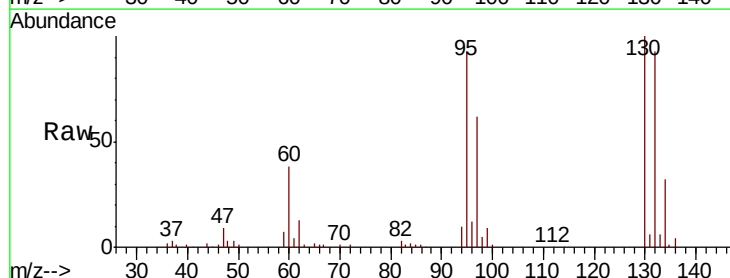
Tgt Ion: 96 Resp: 15810  
Ion Ratio Lower Upper  
96 100  
61 115.8 86.8 161.2  
68 0.0 0.0 0.0

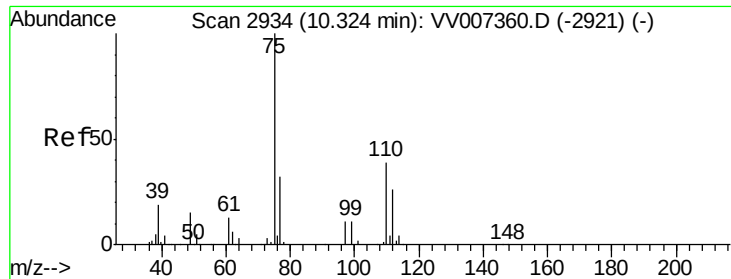


#34

Trichloroethene  
Concen: 21.343 ug/L  
RT: 5.96 min Scan# 1578  
Delta R.T. 0.00 min  
Lab File: VV007371.D  
Acq: 05 Sep 2018 09:34

Tgt Ion: 95 Resp: 84793  
Ion Ratio Lower Upper  
95 100  
97 65.9 46.1 85.7  
132 99.8 70.8 131.6  
130 107.0 73.9 137.3





#59

1,2,3-Trichloropropane

Concen: 3.810 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.98 min

Lab File: VV007371.D

Acq: 05 Sep 2018 09:34

Instrument :

MSVOA\_V

ClientSampleId :

E5FC9

Tgt Ion: 75 Resp: 20268

Ion Ratio Lower Upper

75 100

77 38.0 25.5 38.3

