

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101718\  
 Data File : VU027672.D  
 Acq On : 17 Oct 2018 12:37  
 Operator : MD/SY  
 Sample : J5463-10DL 10X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JC1DL

Quant Time: Oct 19 07:01:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 19 06:41:15 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 280319   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 264949   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 132240   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 96       | 0.00     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 0.00%# |
| 7) Chloroethane-d5             | 1.69   | 69    | 126      | 0.01     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 0.20%# |
| 11) 1,1-Dichloroethene-d2      | 2.29   | 63    | 926      | 0.02     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 0.40%# |
| 20) 2-Butanone-d5              | 4.24   | 46    | 95       | 0.01     | ug/L | 0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 0.02%# |
| 24) Chloroform-d               | 4.67   | 84    | 241      | 0.01     | ug/L | 0.01   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 0.20%# |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 475      | 0.02     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 0.40%# |
| 32) Benzene-d6                 | 5.34   | 84    | 770      | 0.01     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 0.20%# |
| 36) 1,2-Dichloropropane-d6     | 6.34   | 67    | 200      | 0.01     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 0.20%# |
| 41) Toluene-d8                 | 7.57   | 98    | 1078     | 0.02     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 0.40%# |
| 43) trans-1,3-Dichloropropene- | 7.86   | 79    | 43       | 0.00     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 0.00%# |
| 46) 2-Hexanone-d5              | 8.34   | 63    | 243      | 0.04     | ug/L | 0.02   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 0.08%# |
| 57) 1,1,2,2-Tetrachloroethane- | 0.00   | 84    | 0d       | 0.00     | ug/L |        |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 0.00%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 1044     | 0.04     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 0.80%# |

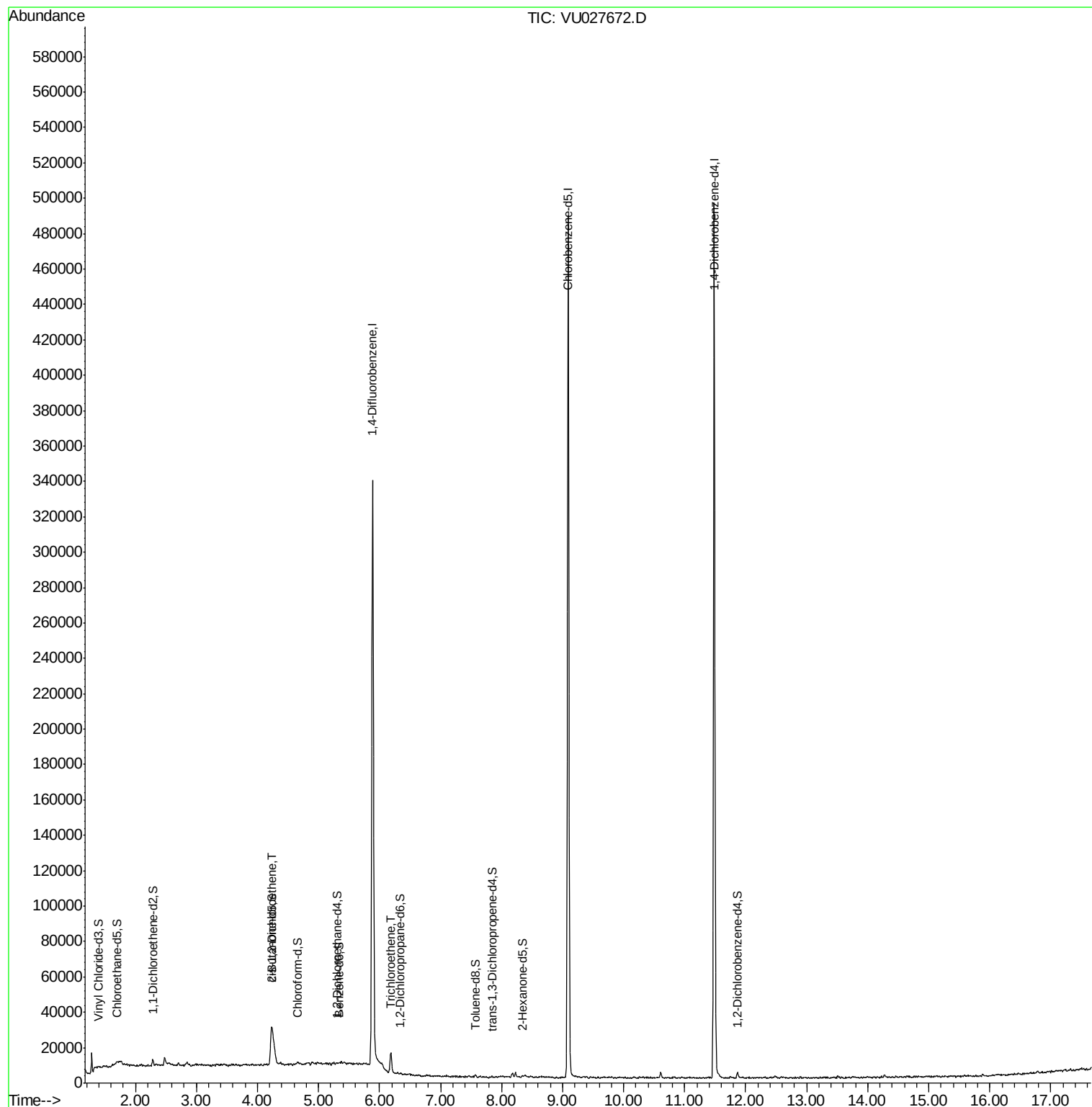
| Target Compounds           |      |    |      | Ovalue          |
|----------------------------|------|----|------|-----------------|
| 22) cis-1,2-Dichloroethene | 4.23 | 96 | 9808 | 0.439 ug/L # 98 |
| 34) Trichloroethene        | 6.19 | 95 | 4762 | 0.212 ug/L 98   |

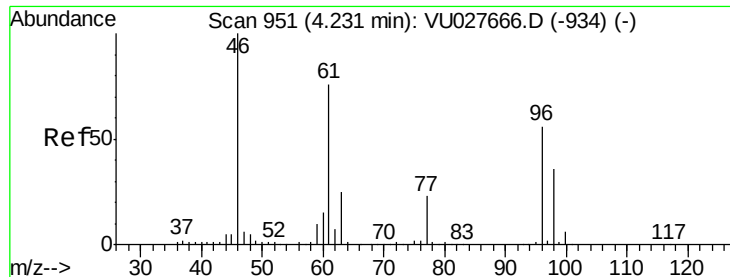
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101718\  
Data File : VU027672.D  
Acq On : 17 Oct 2018 12:37  
Operator : MD/SY  
Sample : J5463-10DL 10X  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JC1DL

Quant Time: Oct 19 07:01:30 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 19 06:41:15 2018  
Response via : Initial Calibration



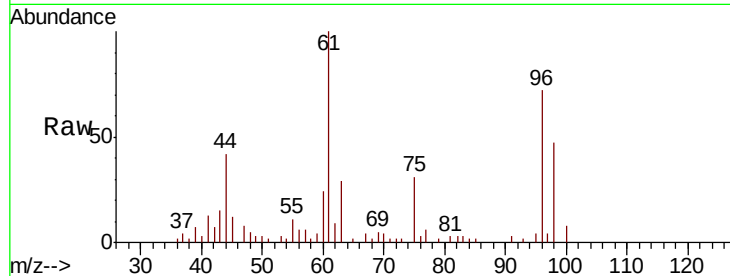


#22

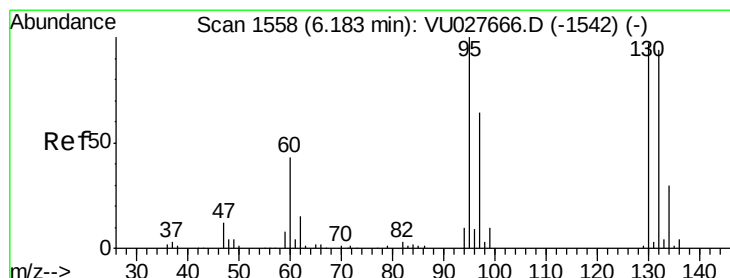
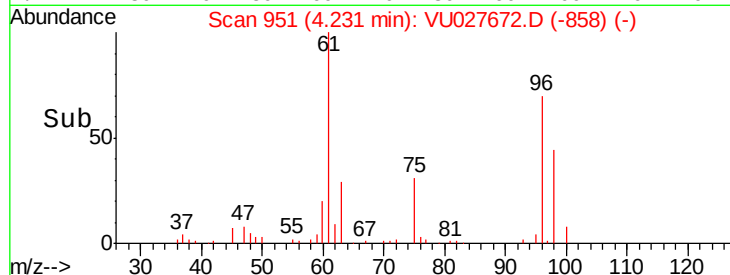
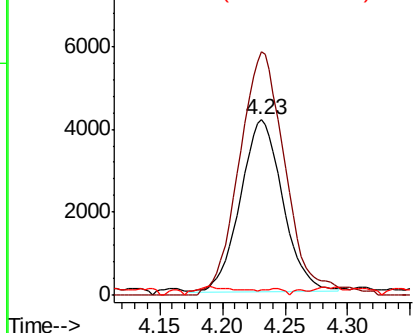
cis-1,2-Dichloroethene  
Concen: 0.439 ug/L  
RT: 4.23 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: VU027672.D  
Acq: 17 Oct 2018 12:37

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JC1DL

Tot Ion: 96 Resp: 9808  
Ion Ratio Lower Upper  
96 100  
61 139.0 95.3 176.9  
68 2.8 1.1 2.1#



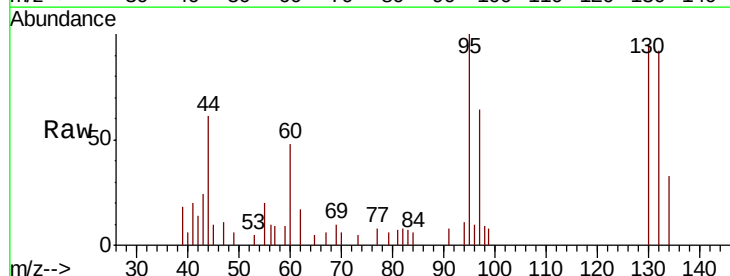
Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene  
Concen: 0.212 ug/L  
RT: 6.19 min Scan# 1559  
Delta R.T. 0.00 min  
Lab File: VU027672.D  
Acq: 17 Oct 2018 12:37

Tgt Ion: 95 Resp: 4762  
Ion Ratio Lower Upper  
95 100  
97 64.1 44.7 83.1  
132 92.4 65.9 122.5  
130 94.9 67.9 126.1



Abundance Ion 95.00 (94.70 to 95.70): VU0  
Ion 96.95 (96.65 to 97.65): VU0  
Ion 131.95 (131.65 to 132.65): V  
Ion 129.95 (129.65 to 130.65): V

