

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046201.D  
 Acq On : 09 Dec 2021 01:12  
 Operator : SY/MD  
 Sample : M4982-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CR2

Quant Time: Dec 09 04:37:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

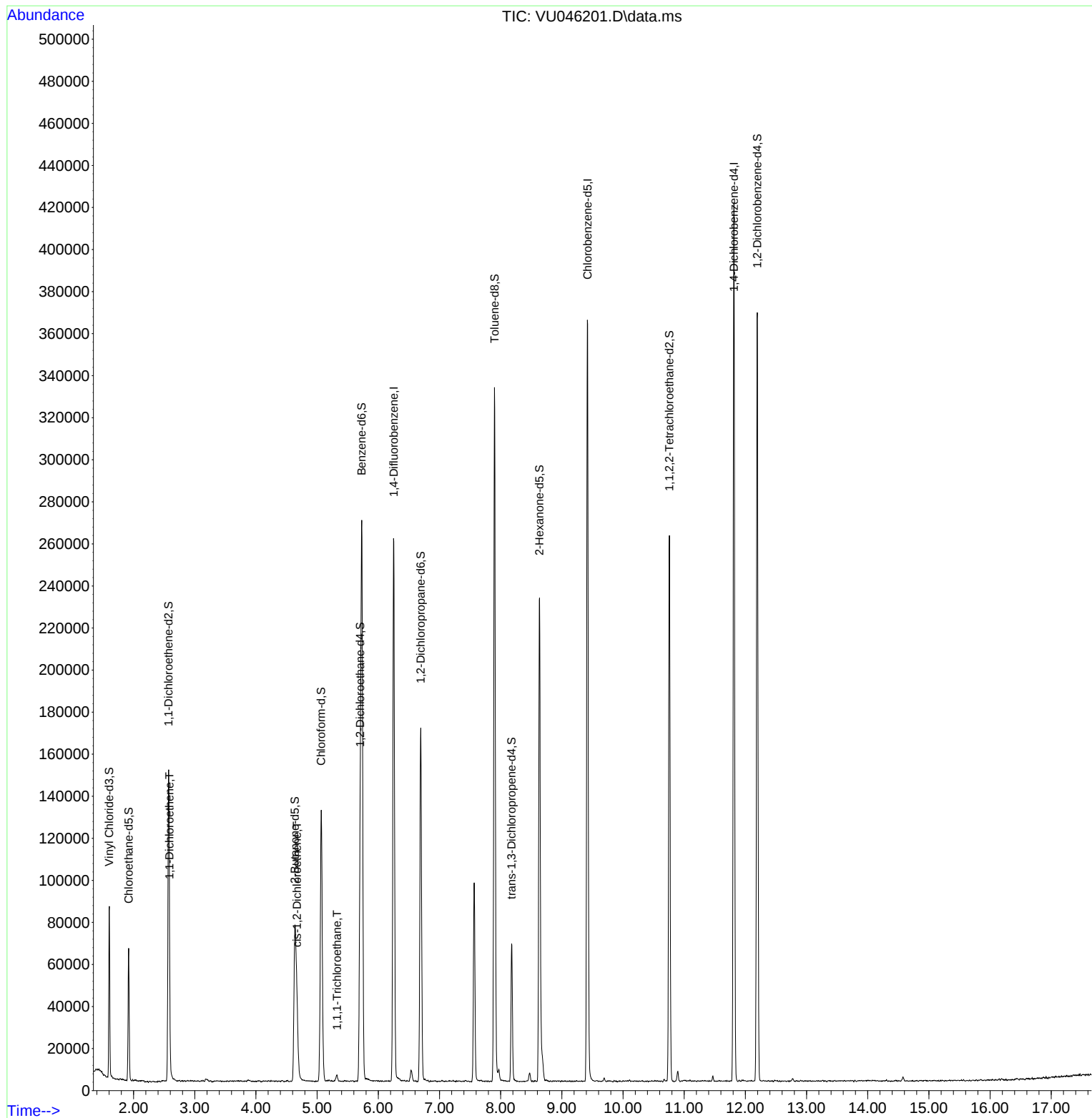
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 216456   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 211767   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 112346   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 55859    | 31.328   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 62.660%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 45645    | 33.342   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 66.680%# |
| 11) 1,1-Dichloroethene-d2     | 2.572   | 63    | 86439    | 27.005   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 54.000%# |
| 21) 2-Butanone-d5             | 4.636   | 46    | 128219   | 90.458   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 90.460%  |
| 24) Chloroform-d              | 5.067   | 84    | 120180   | 40.361   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.720%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 82316    | 41.193   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.380%  |
| 32) Benzene-d6                | 5.729   | 84    | 251507   | 41.437   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.880%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 80224    | 42.648   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 85.300%  |
| 41) Toluene-d8                | 7.899   | 98    | 227805   | 41.222   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 82.440%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 37981    | 41.827   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.660%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 86994    | 97.539   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 97.540%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 127049   | 44.536   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 89.080%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 98539    | 45.544   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.080%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.588   | 96    | 7340     | 4.904    | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 10159    | 5.911    | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 5.324   | 97    | 2260     | 0.869    | ug/L # | 73       |
| -----                         |         |       |          |          |        |          |

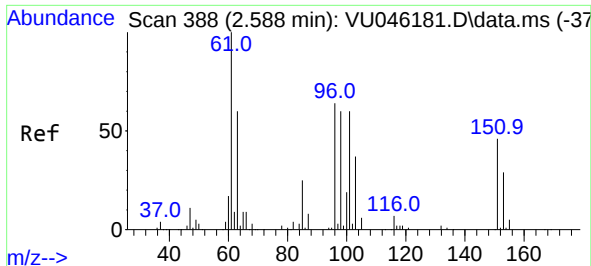
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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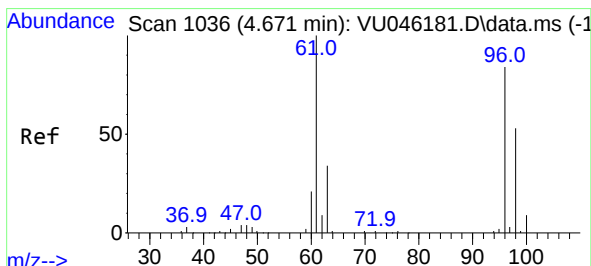
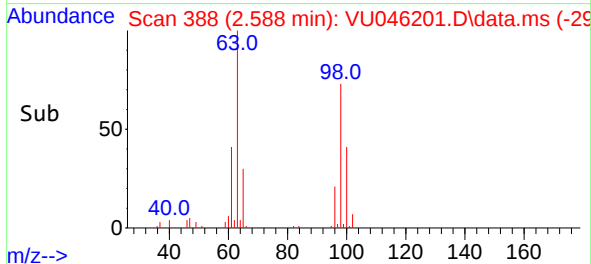
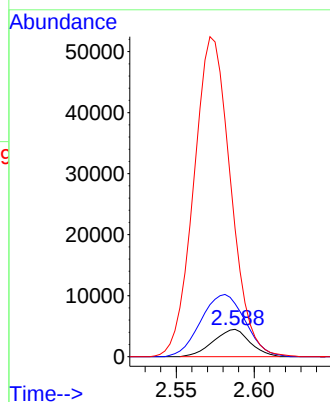
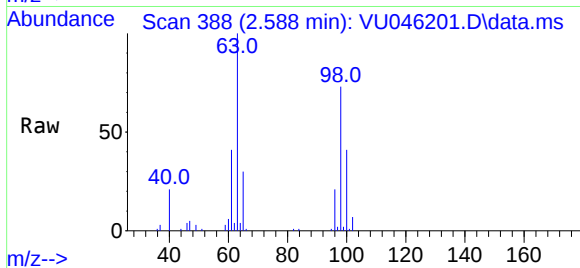




#12  
1,1-Dichloroethene  
Concen: 4.904 ug/L  
RT: 2.588 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU046201.D  
Acq: 09 Dec 2021 01:12

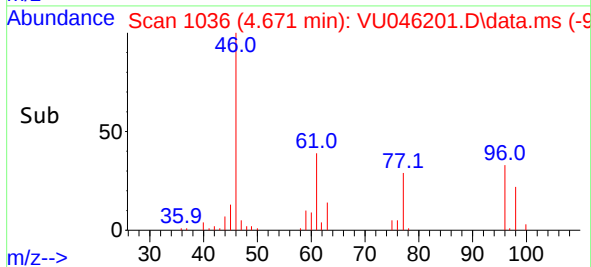
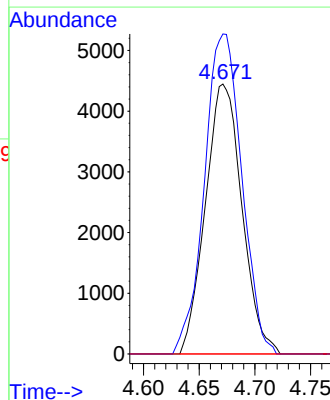
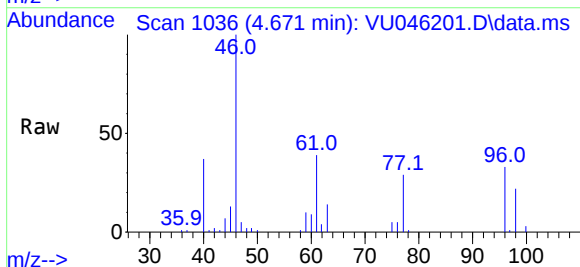
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CR2

Tgt Ion: 96 Resp: 7340  
Ion Ratio Lower Upper  
96 100  
61 194.0 118.6 220.2  
63 468.9 93.0 172.8#

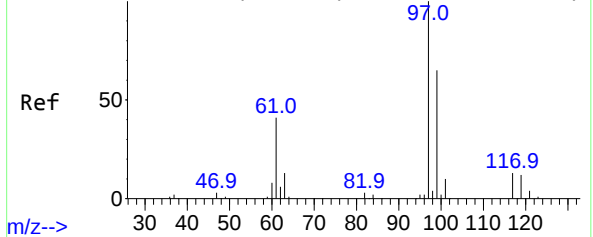


#20  
cis-1,2-Dichloroethene  
Concen: 5.911 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VU046201.D  
Acq: 09 Dec 2021 01:12

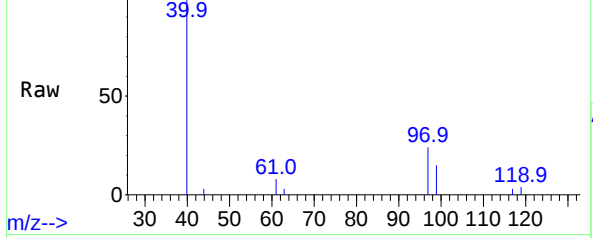
Tgt Ion: 96 Resp: 10159  
Ion Ratio Lower Upper  
96 100  
61 118.6 86.8 161.2  
68 0.0 0.0 0.0



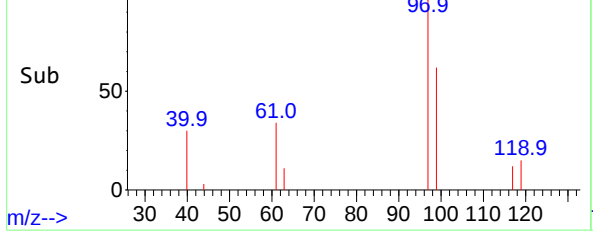
Abundance Scan 1238 (5.321 min): VU046181.D\data.ms (-1



Abundance Scan 1239 (5.324 min): VU046201.D\data.ms



Abundance Scan 1239 (5.324 min): VU046201.D\data.ms (-1



#30  
1,1,1-Trichloroethane  
Concen: 0.869 ug/L  
RT: 5.324 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU046201.D  
Acq: 09 Dec 2021 01:12

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CR2

|             |                 |
|-------------|-----------------|
| Tgt Ion: 97 | Resp: 2260      |
| Ion Ratio   | Lower Upper     |
| 97          | 100             |
| 99          | 35.0 51.8 77.6# |
| 61          | 35.3 34.4 51.6  |

