

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021122\  
 Data File : VU047109.D  
 Acq On : 11 Feb 2022 13:00  
 Operator : SY/MD  
 Sample : N1462-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4M37

Quant Time: Feb 12 01:26:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM021022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Feb 12 01:25:35 2022  
 Response via : Initial Calibration

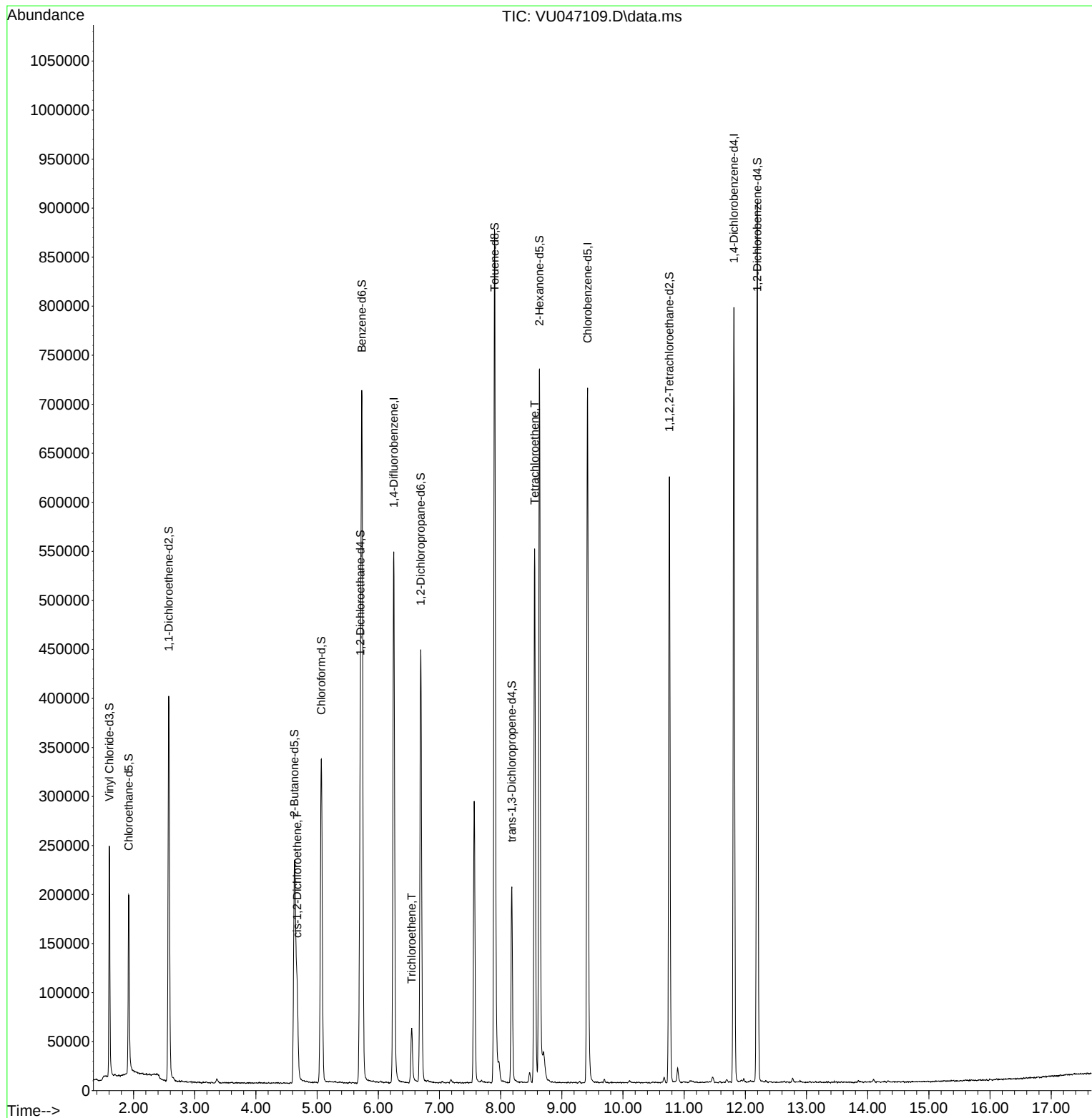
| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| -----                         |         |                |          |         |          |          |
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114            | 456501   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117            | 420343   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.813  | 152            | 216531   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65             | 173677   | 41.891  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 83.780%  |          |
| 7) Chloroethane-d5            | 1.919   | 69             | 140056   | 45.570  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 91.140%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63             | 234814   | 34.177  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 68.360%  |          |
| 21) 2-Butanone-d5             | 4.630   | 46             | 364484   | 113.355 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 113.350% |          |
| 24) Chloroform-d              | 5.070   | 84             | 307892   | 45.745  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 91.480%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.707   | 65             | 206789   | 47.867  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 95.740%  |          |
| 32) Benzene-d6                | 5.732   | 84             | 661649   | 47.347  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 94.700%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67             | 218009   | 48.106  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 96.220%  |          |
| 41) Toluene-d8                | 7.899   | 98             | 625357   | 47.000  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 94.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79             | 110740   | 46.629  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 93.260%  |          |
| 47) 2-Hexanone-d5             | 8.633   | 63             | 272296   | 104.879 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 104.880% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84             | 314262   | 47.557  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 95.120%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152            | 242340   | 47.190  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 94.380%  |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 20) cis-1,2-Dichloroethene    | 4.675   | 96             | 39689    | 11.505  | ug/L     | 94       |
| 34) Trichloroethene           | 6.546   | 95             | 18000    | 5.285   | ug/L     | 96       |
| 46) Tetrachloroethene         | 8.555   | 164            | 128038   | 46.736  | ug/L     | 97       |
| -----                         |         |                |          |         |          |          |

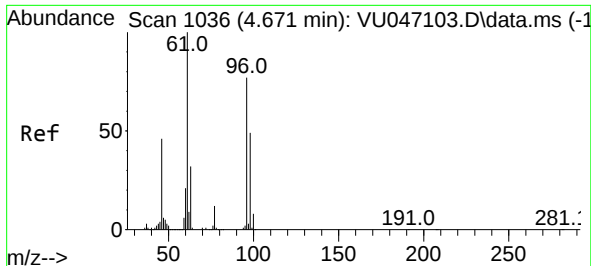
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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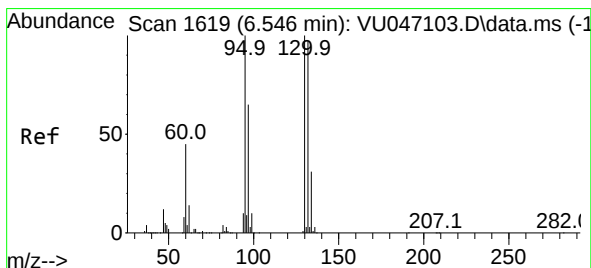
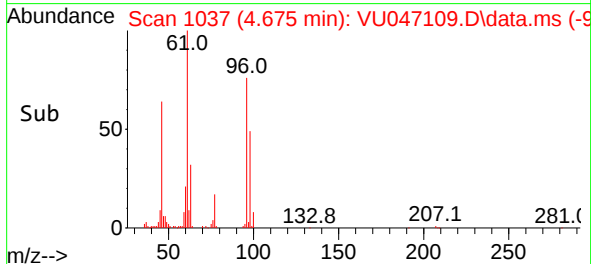
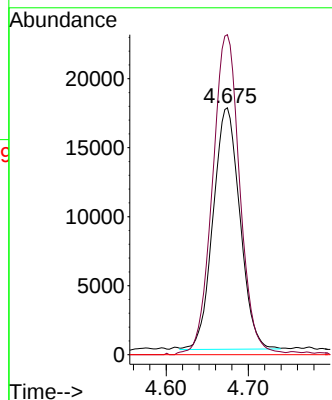
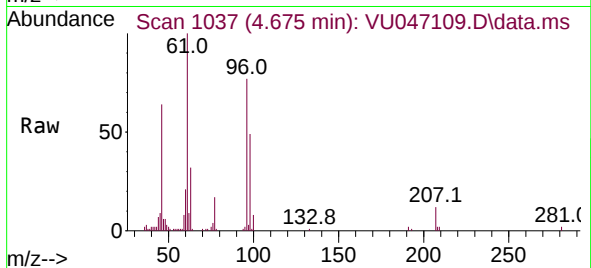




#20  
cis-1,2-Dichloroethene  
Concen: 11.505 ug/L  
RT: 4.675 min Scan# 1036  
Delta R.T. 0.003 min  
Lab File: VU047109.D  
Acq: 11 Feb 2022 13:00

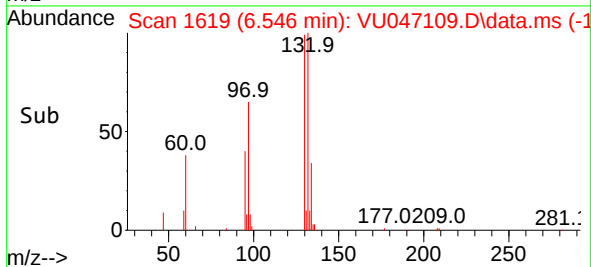
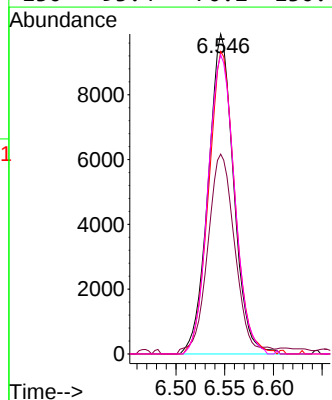
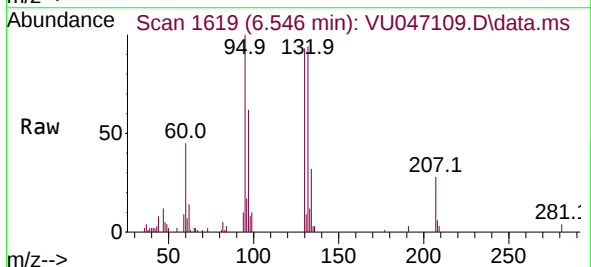
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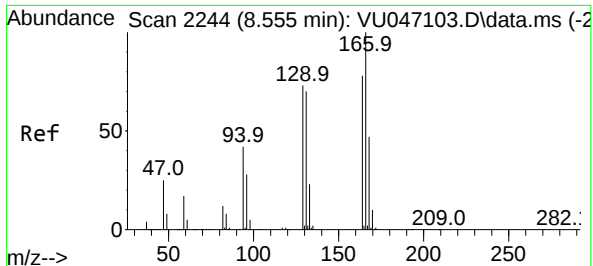
Tgt Ion: 96 Resp: 39689  
Ion Ratio Lower Upper  
96 100  
61 129.6 86.0 159.6  
68 0.0 0.0 0.0



#34  
Trichloroethene  
Concen: 5.285 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU047109.D  
Acq: 11 Feb 2022 13:00

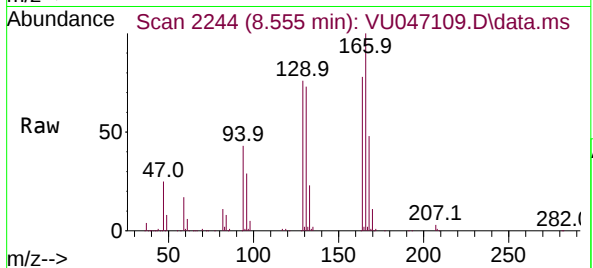
Tgt Ion: 95 Resp: 18000  
Ion Ratio Lower Upper  
95 100  
97 62.4 45.1 83.7  
132 94.5 66.7 123.9  
130 93.4 70.2 130.4





#46  
 Tetrachloroethene  
 Concen: 46.736 ug/L  
 RT: 8.555 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU047109.D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 128038 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 96.4  | 69.5  | 129.1  |
| 131      | 92.4  | 67.0  | 124.4  |
| 166      | 127.4 | 90.6  | 168.2  |

