

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120922\  
 Data File : VU052309.D  
 Acq On : 09 Dec 2022 18:13  
 Operator : JC/MD  
 Sample : N5960-02DL 200X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COL25DL

Quant Time: Dec 09 23:13:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 08 04:19:43 2022  
 Response via : Initial Calibration

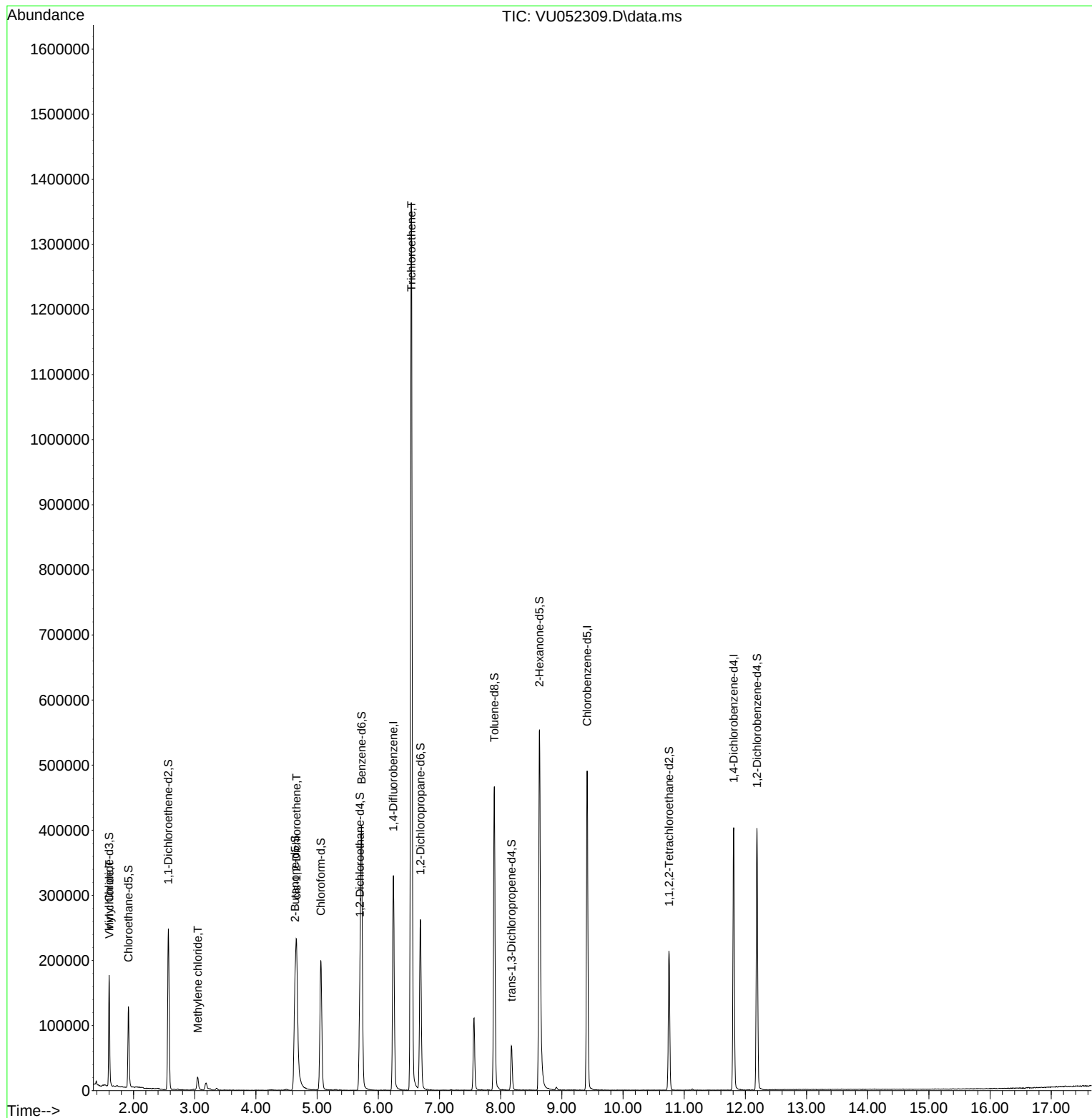
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 274424   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117            | 280823   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 111709   | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65             | 117366   | 4.397  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 88.000%  |          |
| 7) Chloroethane-d5            | 1.916  | 69             | 96300    | 4.645  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 92.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65             | 47816    | 4.997  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 100.000% |          |
| 20) 2-Butanone-d5             | 4.642  | 46             | 277092   | 57.268 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 114.540% |          |
| 24) Chloroform-d              | 5.060  | 84             | 193348   | 4.930  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 98.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 100567   | 5.076  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 101.600% |          |
| 32) Benzene-d6                | 5.726  | 84             | 402842   | 4.832  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 96.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 133798   | 5.186  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 103.800% |          |
| 41) Toluene-d8                | 7.896  | 98             | 326490   | 4.328  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 86.600%  |          |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79             | 40050    | 4.260  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 85.200%  |          |
| 46) 2-Hexanone-d5             | 8.633  | 63             | 195139   | 48.974 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 97.940%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84             | 110576   | 4.943  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 98.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 112666   | 5.268  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 105.400% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
| 5) Vinyl chloride             | 1.604  | 62             | 11599    | 0.389  | ug/L     | # 81     |
| 16) Methylene chloride        | 3.048  | 84             | 10075    | 0.374  | ug/L     | 93       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 68767    | 3.070  | ug/L     | 96       |
| 34) Trichloroethene           | 6.539  | 95             | 483873   | 21.227 | ug/L     | 98       |
| -----                         |        |                |          |        |          |          |

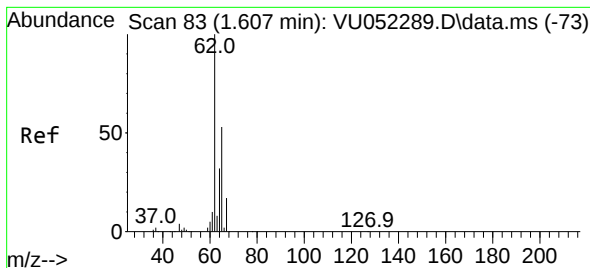
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.389 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

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Instrument :

MSVOA\_U

ClientSampleId :

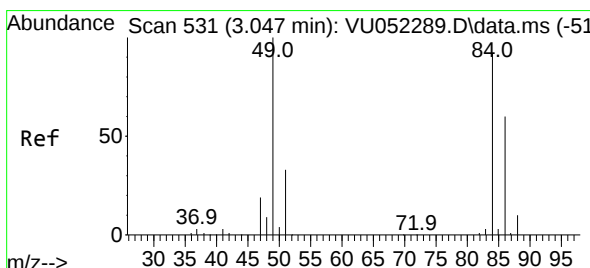
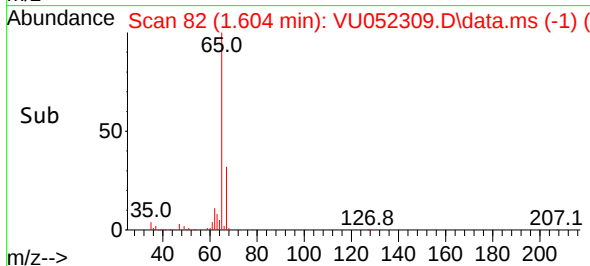
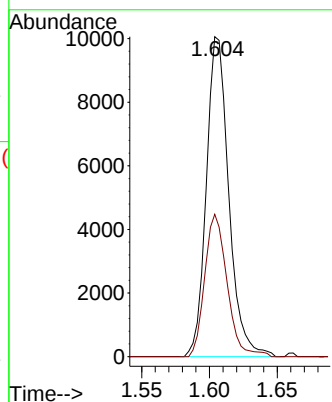
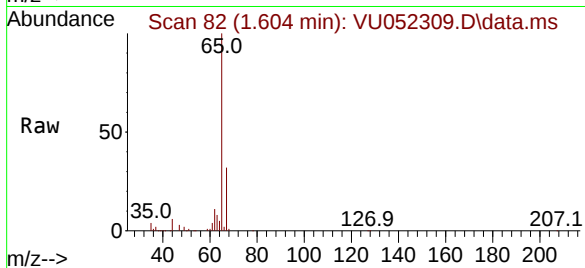
COL25DL

Tgt Ion: 62 Resp: 11599

Ion Ratio Lower Upper

62 100

64 44.5 23.5 43.7#



#16

Methylene chloride

Concen: 0.374 ug/L

RT: 3.048 min Scan# 531

Delta R.T. 0.000 min

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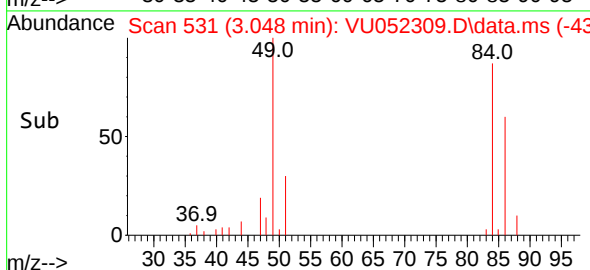
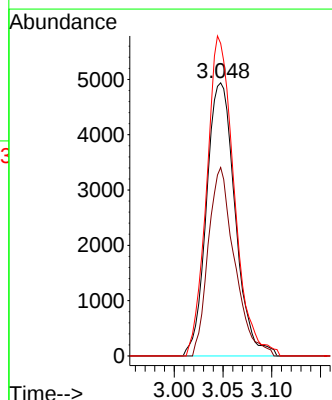
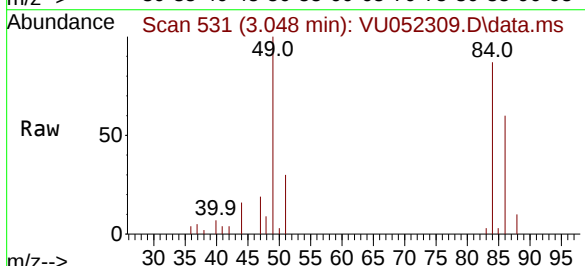
Tgt Ion: 84 Resp: 10075

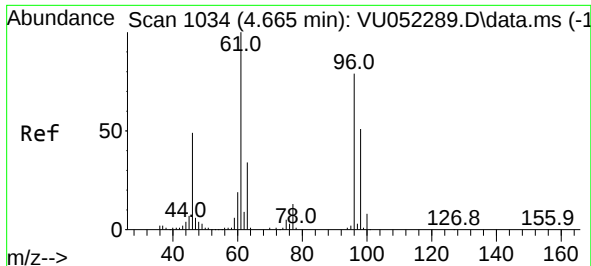
Ion Ratio Lower Upper

84 100

86 69.0 43.8 81.4

49 114.4 75.9 141.1

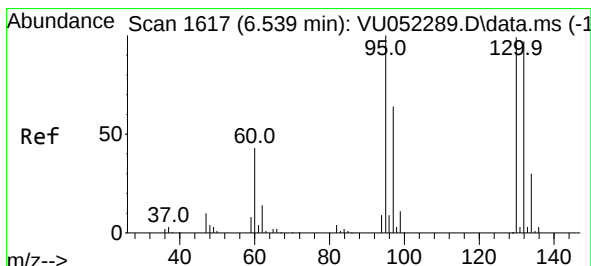
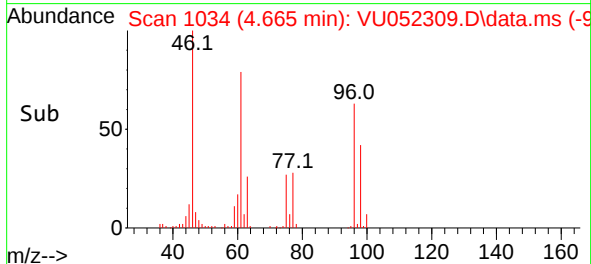
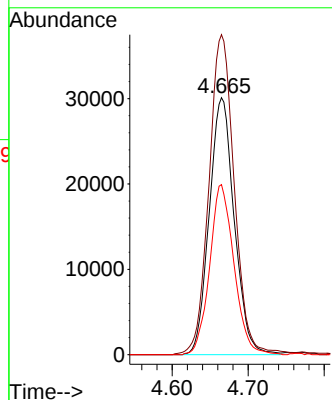
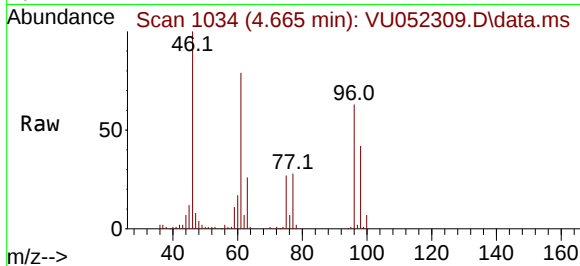




#22  
 cis-1,2-Dichloroethene  
 Concen: 3.070 ug/L  
 RT: 4.665 min Scan# 1034  
 Delta R.T. 0.000 min  
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Tgt Ion: 96 Resp: 68767  
 Ion Ratio Lower Upper  
 96 100  
 61 124.5 85.1 158.1  
 98 66.2 42.8 79.6



#34  
 Trichloroethene  
 Concen: 21.227 ug/L  
 RT: 6.539 min Scan# 1617  
 Delta R.T. -0.003 min  
 Lab File: VU052309.D  
 Acq: 09 Dec 2022 18:13

Tgt Ion: 95 Resp: 483873  
 Ion Ratio Lower Upper  
 95 100  
 97 63.9 43.7 81.1  
 132 94.0 64.3 119.3  
 130 97.3 67.3 124.9

