

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112222\  
 Data File : VU052048.D  
 Acq On : 22 Nov 2022 18:22  
 Operator : JC/MD  
 Sample : N5684-02DL 10X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH1H2DL

Quant Time: Nov 23 00:49:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 19 21:39:41 2022  
 Response via : Initial Calibration

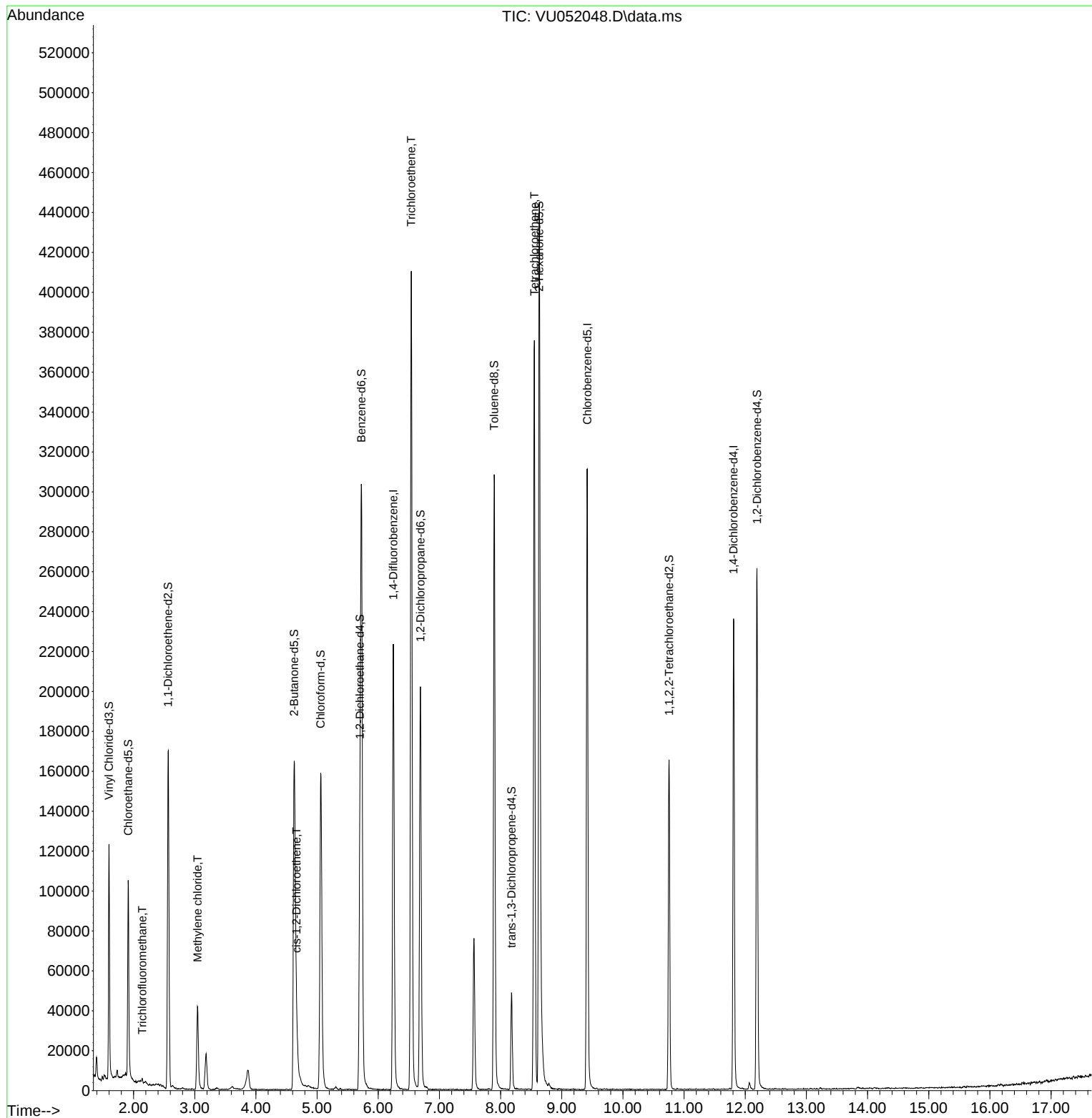
| Compound                      | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                         |           |                |          |            |       |          |
| Internal Standards            |           |                |          |            |       |          |
| 1) 1,4-Difluorobenzene        | 6.247     | 114            | 185600   | 5.000      | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117            | 185769   | 5.000      | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809    | 152            | 65871    | 5.000      | ug/L  | 0.00     |
|                               |           |                |          |            |       |          |
| System Monitoring Compounds   |           |                |          |            |       |          |
| 4) Vinyl Chloride-d3          | 1.597     | 65             | 90345    | 5.004      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 100.000% |       |          |
| 7) Chloroethane-d5            | 1.912     | 69             | 78192    | 5.576      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 111.600% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.565     | 65             | 31115    | 4.808      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 96.200%  |       |          |
| 20) 2-Butanone-d5             | 4.626     | 46             | 209384   | 63.985     | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 127.960% |       |          |
| 24) Chloroform-d              | 5.060     | 84             | 150806   | 5.685      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 113.800% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.700     | 65             | 81856    | 6.109      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 122.200% |       |          |
| 32) Benzene-d6                | 5.726     | 84             | 295142   | 5.351      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 107.000% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.690     | 67             | 102841   | 6.025      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 120.600% |       |          |
| 41) Toluene-d8                | 7.896     | 98             | 217822   | 4.365      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 87.400%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.179     | 79             | 29235    | 4.700      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 94.000%  |       |          |
| 46) 2-Hexanone-d5             | 8.632     | 63             | 154713   | 58.696     | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 117.400% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755    | 84             | 86400    | 5.839      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 116.800% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192    | 152            | 75311    | 5.972      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 119.400% |       |          |
|                               |           |                |          |            |       |          |
| Target Compounds              |           |                |          |            |       | Qvalue   |
| 9) Trichlorofluoromethane     | 2.141     | 101            | 1367     | 0.062      | ug/L  | 100      |
| 16) Methylene chloride        | 3.044     | 84             | 21698    | 1.191      | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 4.665     | 96             | 5756     | 0.380      | ug/L  | 92       |
| 34) Trichloroethene           | 6.539     | 95             | 146553   | 9.719      | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.552     | 164            | 84374    | 7.301      | ug/L  | 98       |
| -----                         |           |                |          |            |       |          |

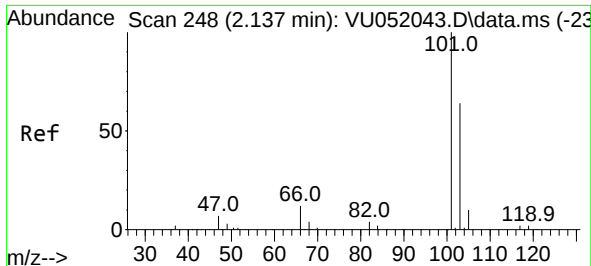
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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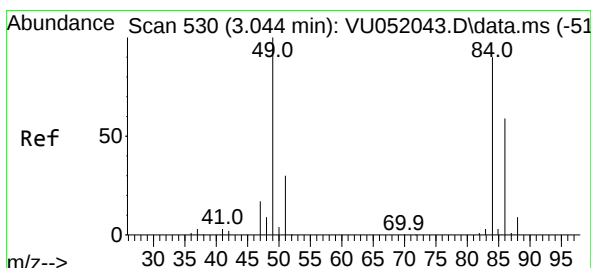
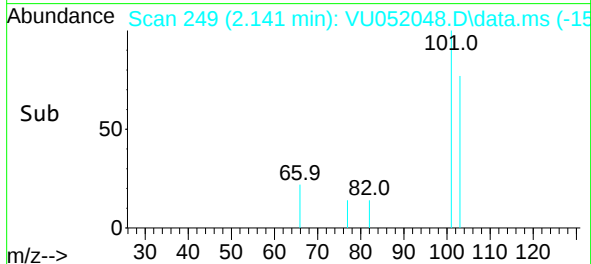
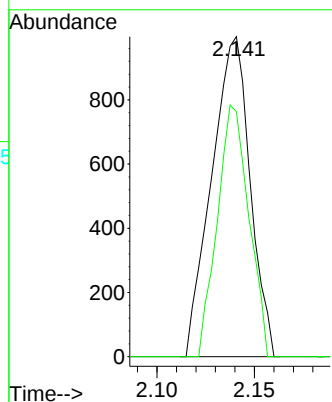
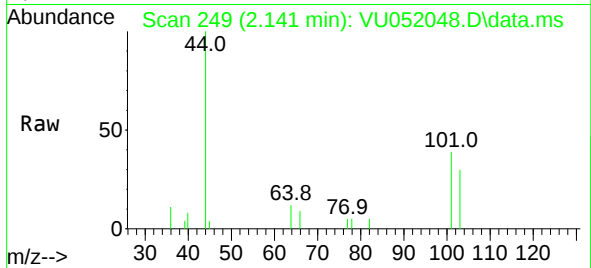




#9  
 Trichlorofluoromethane  
 Concen: 0.062 ug/L  
 RT: 2.141 min Scan# 24  
 Delta R.T. 0.006 min  
 Lab File: VU052048.D  
 Acq: 22 Nov 2022 18:22

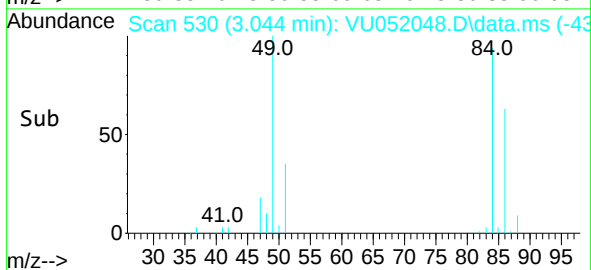
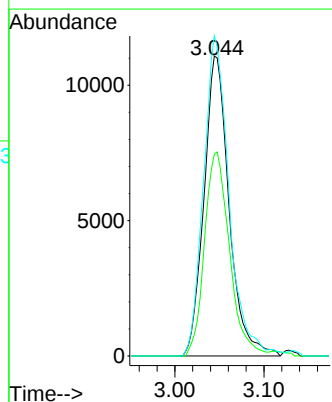
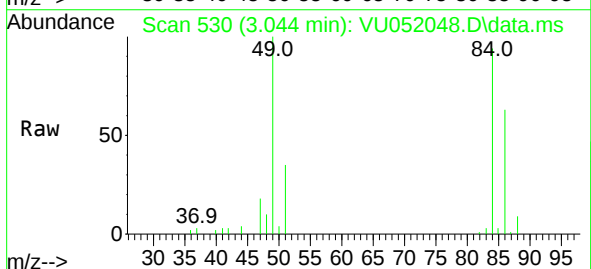
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH1H2DL

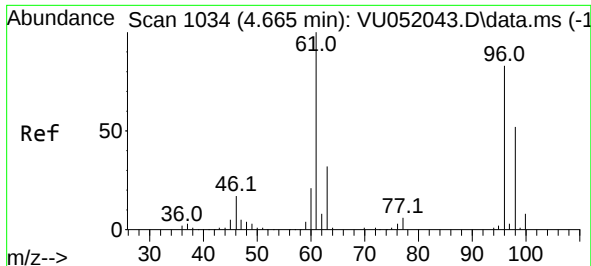
Tgt Ion:101 Resp: 1367  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 51.6 77.4



#16  
 Methylene chloride  
 Concen: 1.191 ug/L  
 RT: 3.044 min Scan# 530  
 Delta R.T. 0.000 min  
 Lab File: VU052048.D  
 Acq: 22 Nov 2022 18:22

Tgt Ion: 84 Resp: 21698  
 Ion Ratio Lower Upper  
 84 100  
 86 67.2 43.8 81.4  
 49 106.7 75.9 141.1





#22

cis-1,2-Dichloroethene

Concen: 0.380 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052048.D

Acq: 22 Nov 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

BH1H2DL

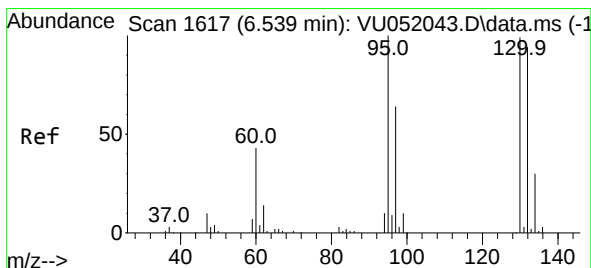
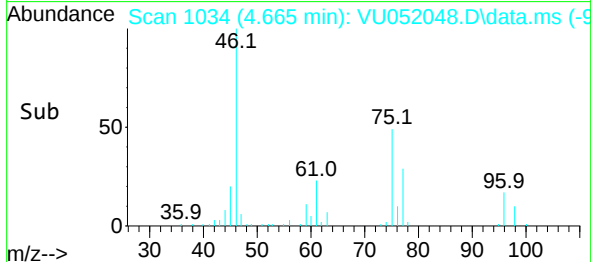
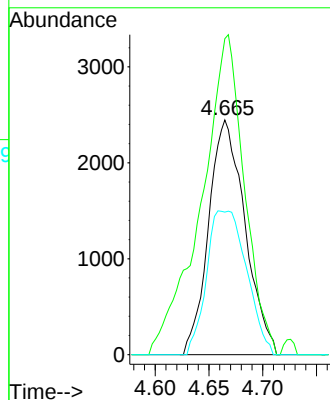
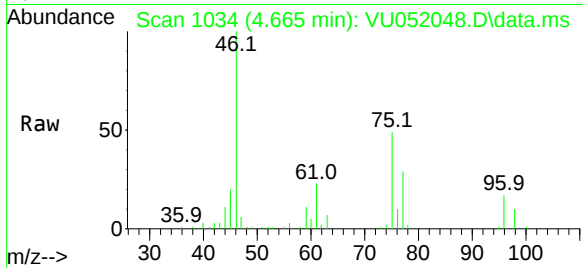
Tgt Ion: 96 Resp: 5756

Ion Ratio Lower Upper

96 100

61 134.6 85.1 158.1

98 60.8 42.8 79.6



#34

Trichloroethene

Concen: 9.719 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU052048.D

Acq: 22 Nov 2022 18:22

Tgt Ion: 95 Resp: 146553

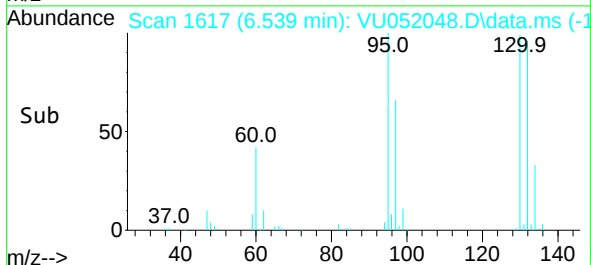
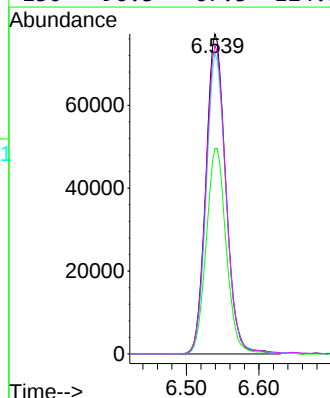
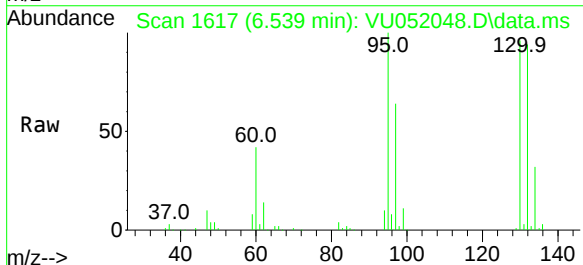
Ion Ratio Lower Upper

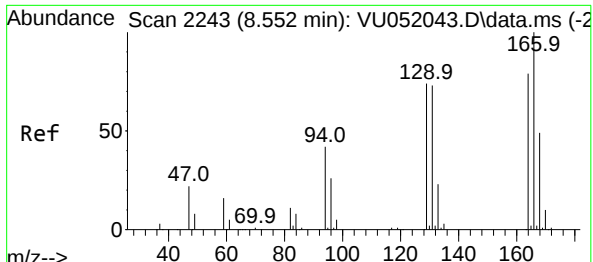
95 100

97 64.2 43.7 81.1

132 93.8 64.3 119.3

130 96.3 67.3 124.9





#47  
 Tetrachloroethene  
 Concen: 7.301 ug/L  
 RT: 8.552 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU052048.D  
 Acq: 22 Nov 2022 18:22

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH1H2DL

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 84374       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 100.2 | 67.4 125.2  |
| 131         | 95.4  | 67.1 124.7  |
| 166         | 129.3 | 89.7 166.5  |

