

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112123\  
 Data File : VU056557.D  
 Acq On : 21 Nov 2023 17:33  
 Operator : MD/SY  
 Sample : 05441-01DL 10X  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0QF1DL

Quant Time: Nov 21 23:36:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 21 23:30:53 2023  
 Response via : Initial Calibration

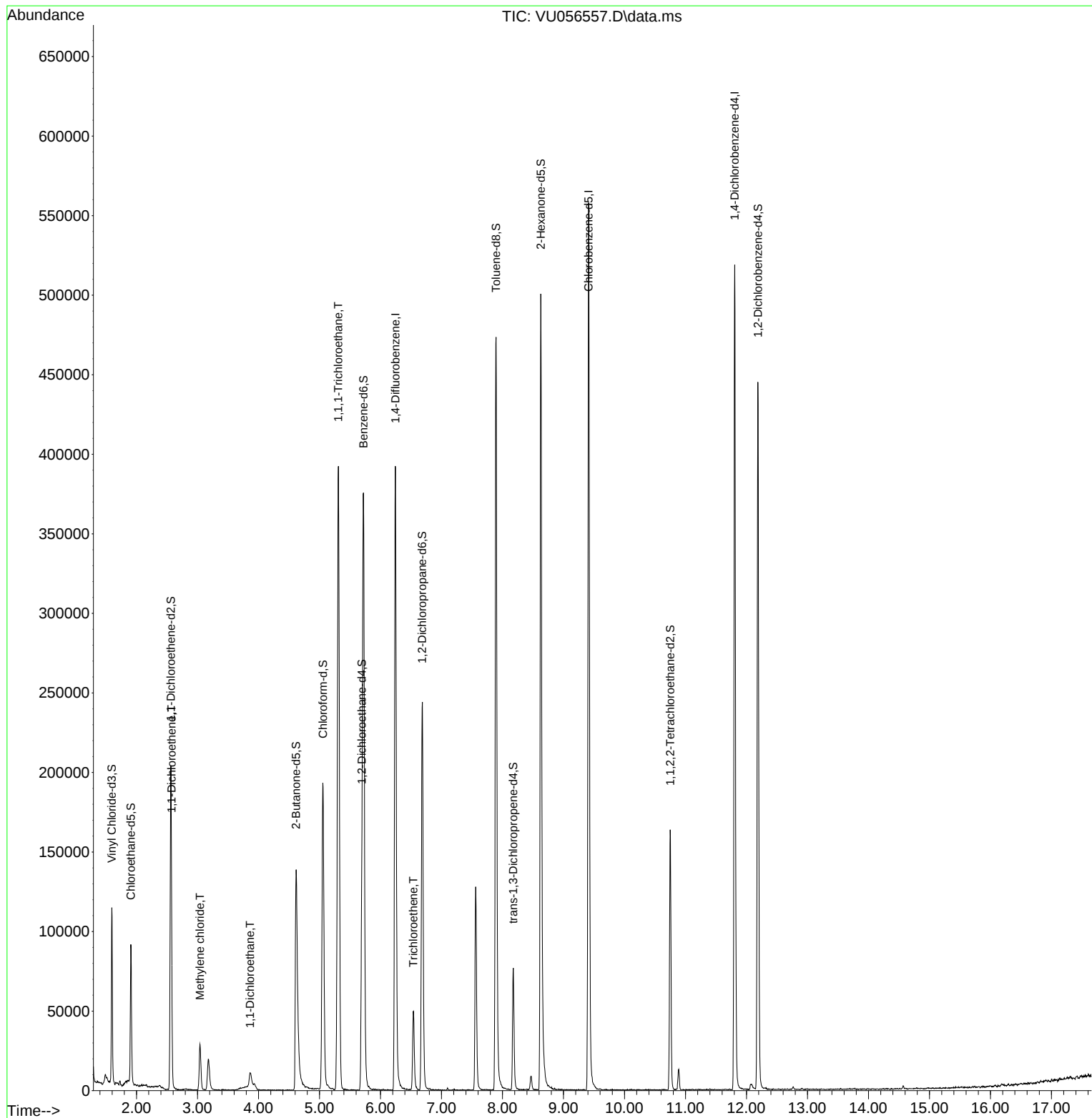
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 325661   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 321321   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 137484   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 78519    | 3.223    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 64.400%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 64565    | 3.457    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 69.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 38898    | 3.618    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 72.400%  |
| 20) 2-Butanone-d5             | 4.615  | 46    | 204122   | 42.026   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 84.060%  |
| 24) Chloroform-d              | 5.055  | 84    | 186680   | 3.962    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 79.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 91914    | 4.222    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.400%  |
| 32) Benzene-d6                | 5.721  | 84    | 365151   | 3.814    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 76.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 119515   | 4.142    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.800%  |
| 41) Toluene-d8                | 7.894  | 98    | 333014   | 3.939    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 78.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 46879    | 4.236    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 84.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 172373   | 39.638   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 79.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 82918    | 4.022    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 80.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 119052   | 4.687    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 5323     | 0.267    | ug/L   | # 1      |
| 16) Methylene chloride        | 3.039  | 84    | 14622    | 0.554    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 10992    | 0.271    | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97    | 294606   | 7.987    | ug/L   | 99       |
| 34) Trichloroethene           | 6.537  | 95    | 17271    | 0.691    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

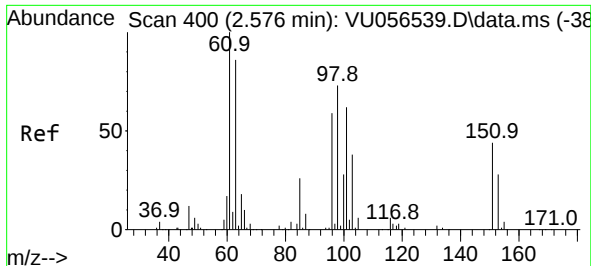
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.267 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU056557.D

Acq: 21 Nov 2023 17:33

Instrument :

MSVOA\_U

ClientSampleId :

C0QF1DL

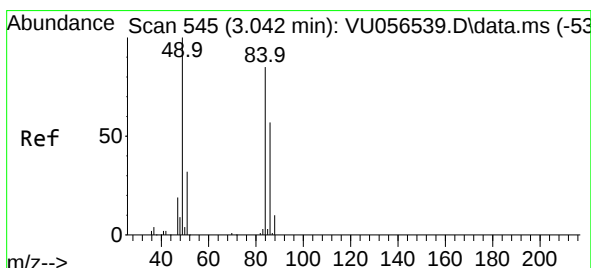
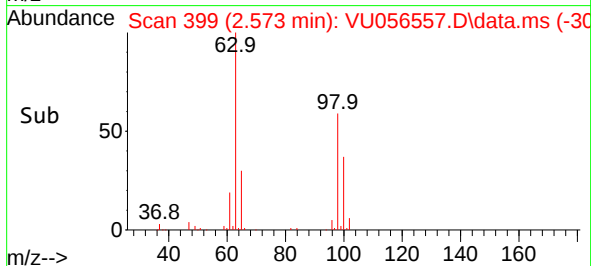
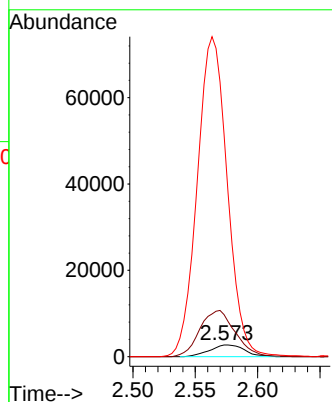
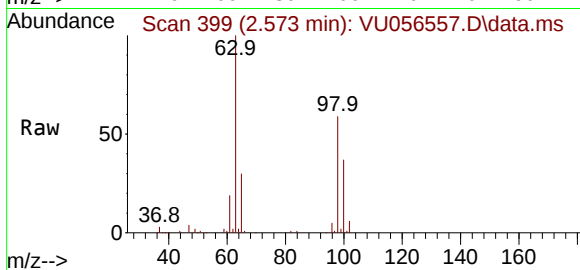
Tgt Ion: 96 Resp: 5323

Ion Ratio Lower Upper

96 100

61 360.0 123.1 228.7#

63 1899.8 93.3 173.3#



#16

Methylene chloride

Concen: 0.554 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.003 min

Lab File: VU056557.D

Acq: 21 Nov 2023 17:33

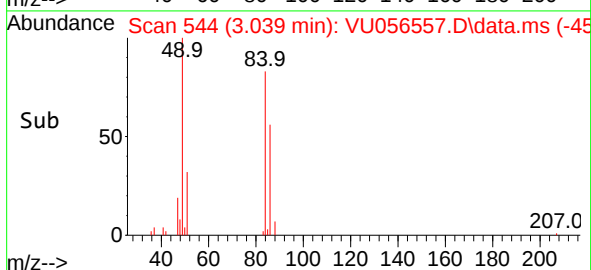
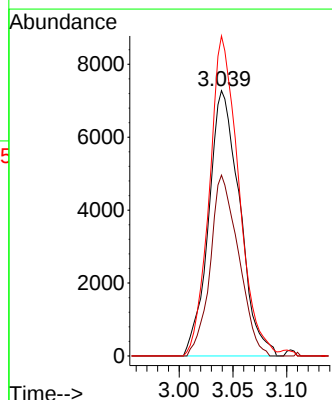
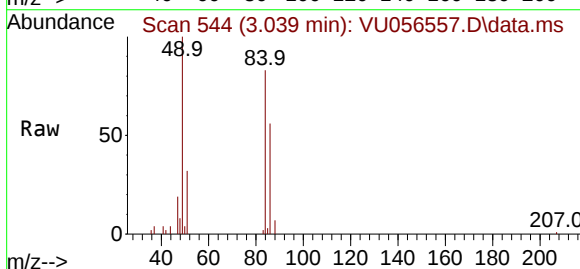
Tgt Ion: 84 Resp: 14622

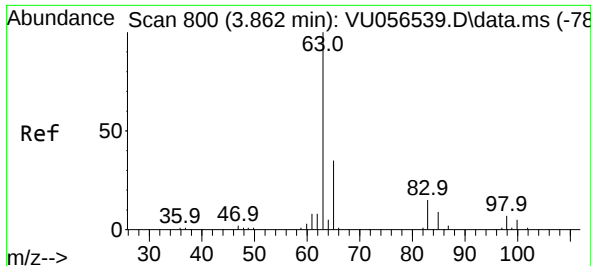
Ion Ratio Lower Upper

84 100

86 68.1 44.7 83.1

49 120.6 81.8 152.0





#19

1,1-Dichloroethane

Concen: 0.271 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU056557.D

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Instrument :

MSVOA\_U

ClientSampleId :

C0QF1DL

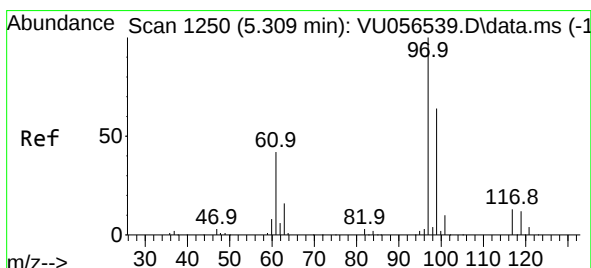
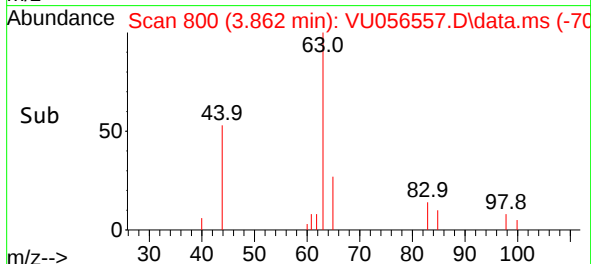
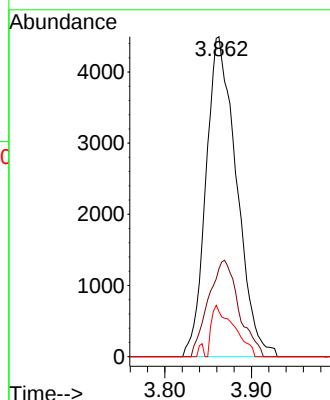
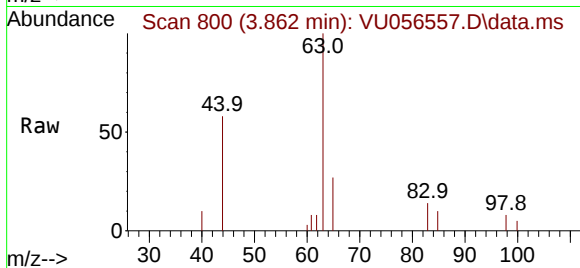
Tgt Ion: 63 Resp: 10992

Ion Ratio Lower Upper

63 100

65 27.4 21.8 40.6

83 14.1 9.7 17.9



#29

1,1,1-Trichloroethane

Concen: 7.987 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU056557.D

Acq: 21 Nov 2023 17:33

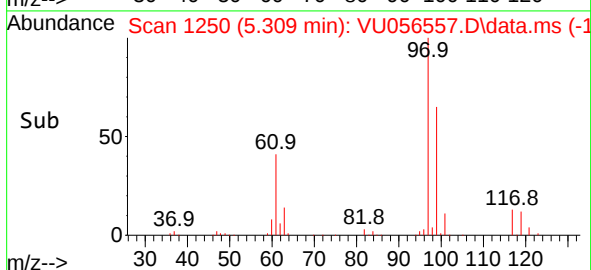
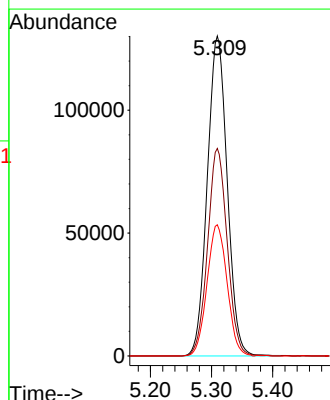
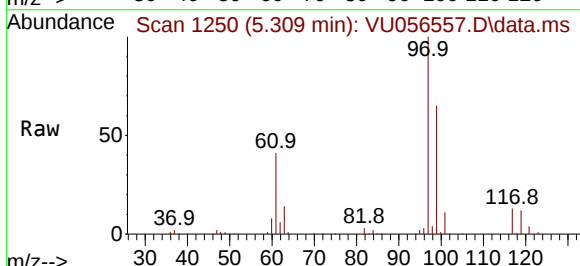
Tgt Ion: 97 Resp: 294606

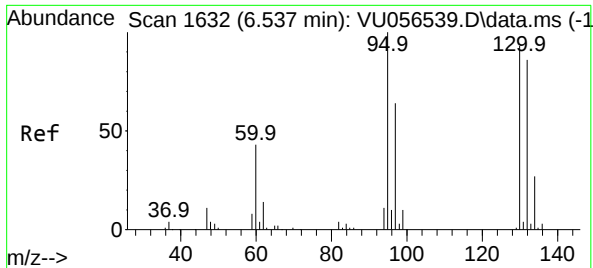
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 41.4 34.3 51.5





#34  
 Trichloroethene  
 Concen: 0.691 ug/L  
 RT: 6.537 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VU056557.D  
 Acq: 21 Nov 2023 17:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0QF1DL

Tgt Ion: 95 Resp: 17271

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.1  | 46.5  | 86.3  |
| 132 | 84.2  | 62.0  | 115.2 |
| 130 | 96.9  | 66.3  | 123.1 |

