

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112123\  
 Data File : VU056564.D  
 Acq On : 21 Nov 2023 21:12  
 Operator : MD/SY  
 Sample : 05441-14DL 20X  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0QH4DL

Quant Time: Nov 22 00:59:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 22 00:29:26 2023  
 Response via : Initial Calibration

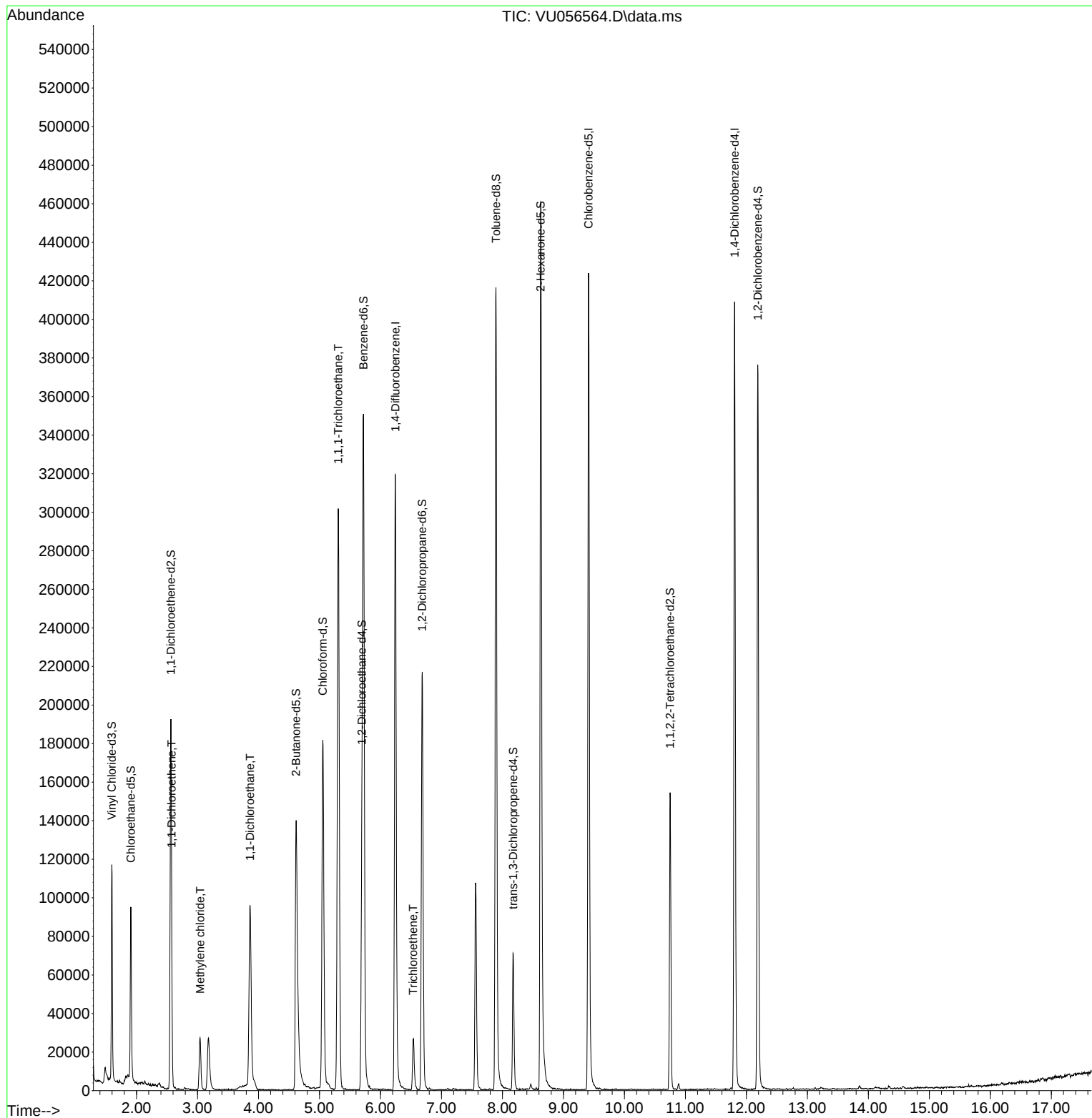
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 265466   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 250316   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 109997   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 80237    | 4.041    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 66845    | 4.391    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 35510    | 4.052    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.000%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 200909   | 50.744   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.480% |
| 24) Chloroform-d              | 5.055  | 84    | 174442   | 4.542    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 87410    | 4.925    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 339602   | 4.554    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 107216   | 4.770    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 296998   | 4.510    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.200%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 42489    | 4.929    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.600%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 158874   | 46.897   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.800%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 77858    | 4.848    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 101676   | 5.004    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 7116     | 0.438    | ug/L   | # 1      |
| 16) Methylene chloride        | 3.042  | 84    | 13956    | 0.649    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 110942   | 3.350    | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97    | 227927   | 7.933    | ug/L   | 99       |
| 34) Trichloroethene           | 6.537  | 95    | 9502     | 0.488    | ug/L   | 92       |
| -----                         |        |       |          |          |        |          |

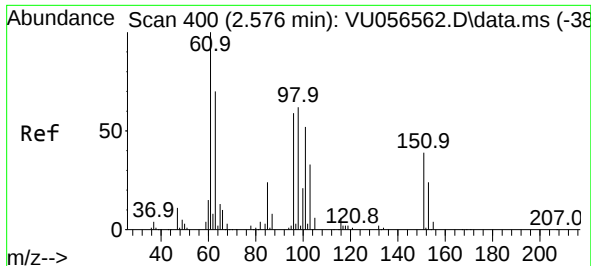
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 22 00:29:26 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.438 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056564.D

Acq: 21 Nov 2023 21:12

Instrument :

MSVOA\_U

ClientSampleId :

C0QH4DL

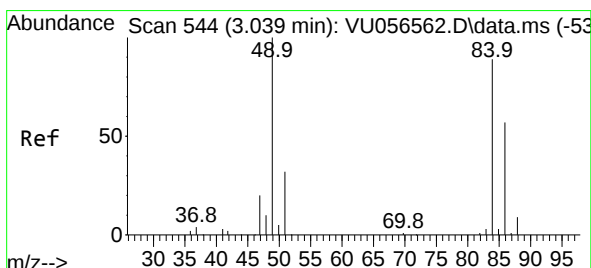
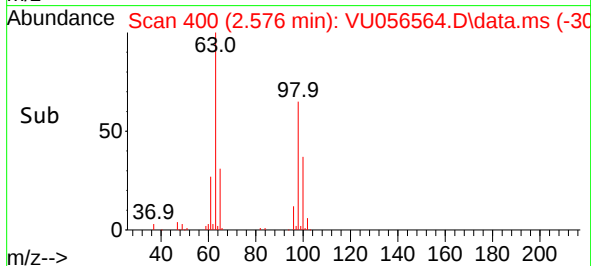
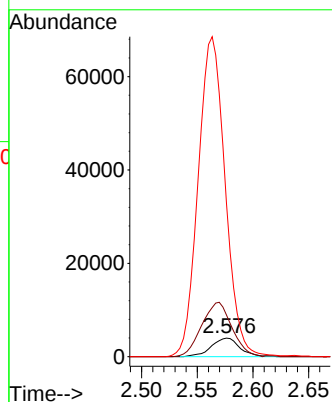
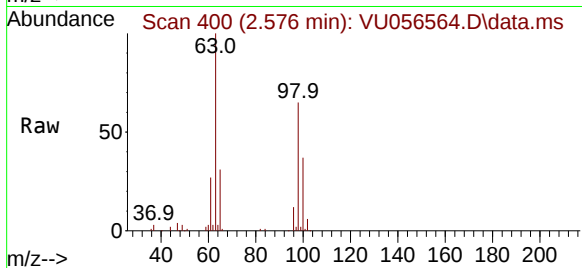
Tgt Ion: 96 Resp: 7116

Ion Ratio Lower Upper

96 100

61 224.6 123.1 228.7

63 828.7 93.3 173.3#



#16

Methylene chloride

Concen: 0.649 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU056564.D

Acq: 21 Nov 2023 21:12

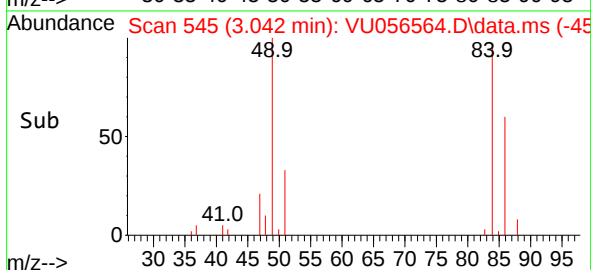
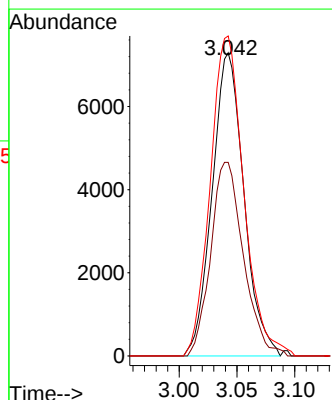
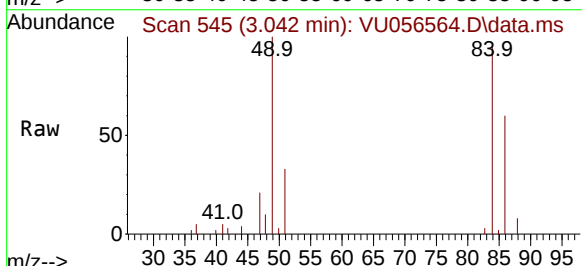
Tgt Ion: 84 Resp: 13956

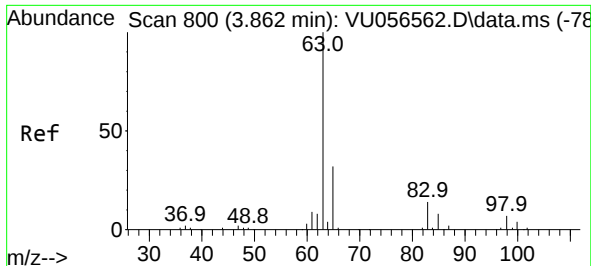
Ion Ratio Lower Upper

84 100

86 63.8 44.7 83.1

49 105.5 81.8 152.0





#19

1,1-Dichloroethane

Concen: 3.350 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056564.D

Acq: 21 Nov 2023 21:12

Instrument :

MSVOA\_U

ClientSampleId :

C0QH4DL

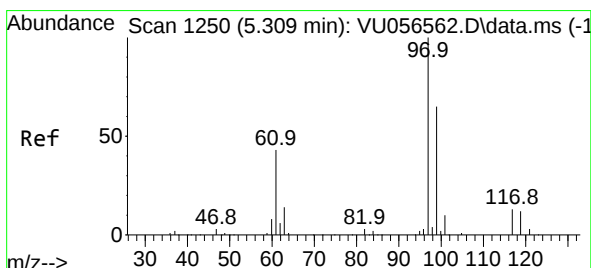
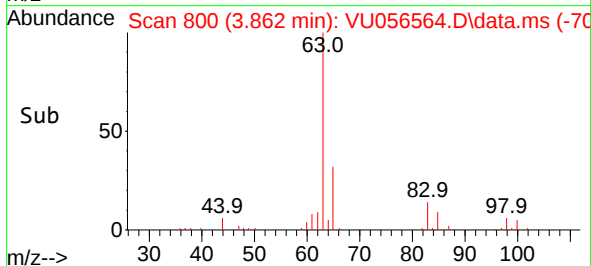
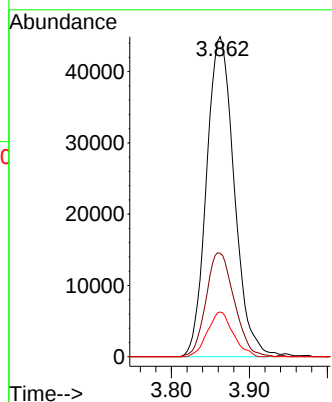
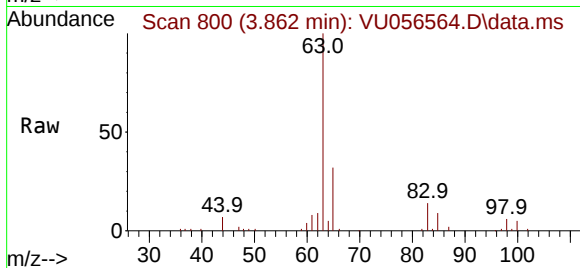
Tgt Ion: 63 Resp: 110942

Ion Ratio Lower Upper

63 100

65 32.3 21.8 40.6

83 14.0 9.7 17.9



#29

1,1,1-Trichloroethane

Concen: 7.933 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056564.D

Acq: 21 Nov 2023 21:12

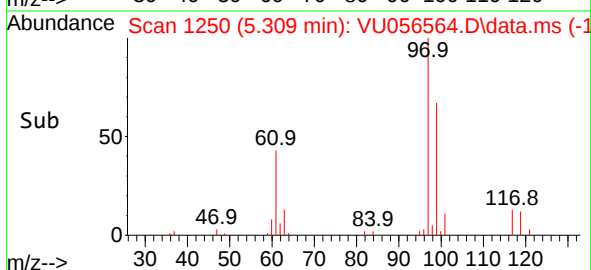
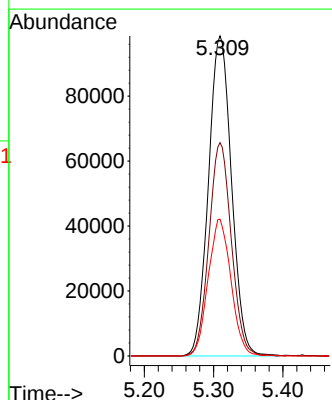
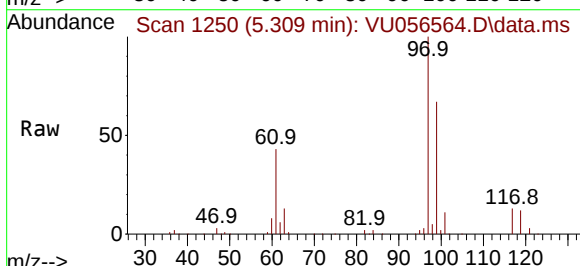
Tgt Ion: 97 Resp: 227927

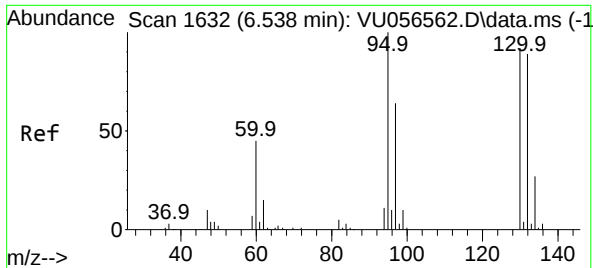
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 42.2 34.3 51.5





#34  
 Trichloroethene  
 Concen: 0.488 ug/L  
 RT: 6.537 min Scan# 1  
 Delta R.T. -0.000 min  
 Lab File: VU056564.D  
 Acq: 21 Nov 2023 21:12

Instrument :  
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Tgt Ion: 95 Resp: 9502

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 56.9  | 46.5  | 86.3  |
| 132 | 84.5  | 62.0  | 115.2 |
| 130 | 87.4  | 66.3  | 123.1 |

