

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020623\  
 Data File : VU052980.D  
 Acq On : 06 Feb 2023 15:05  
 Operator : JC/MD  
 Sample : 01444-05 20X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COM09

Quant Time: Feb 07 01:06:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011023WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sun Feb 05 21:58:05 2023  
 Response via : Initial Calibration

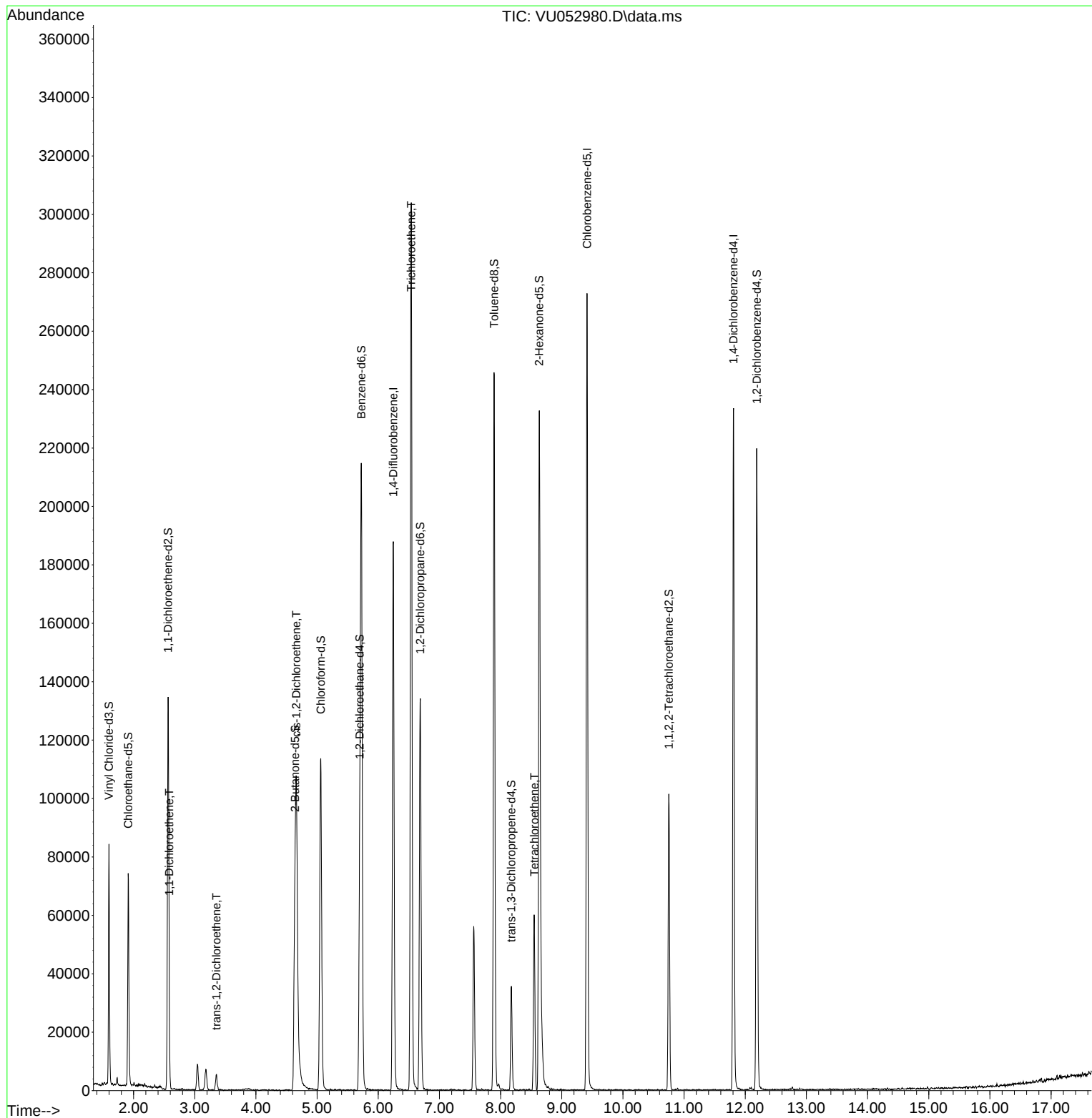
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 159358   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117            | 161349   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 67105    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 57868    | 4.133  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 82.600%  |          |
| 7) Chloroethane-d5            | 1.913  | 69             | 54113    | 4.744  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 94.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 24840    | 4.029  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 80.600%  |          |
| 20) 2-Butanone-d5             | 4.639  | 46             | 114355   | 30.549 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 61.100%  |          |
| 24) Chloroform-d              | 5.060  | 84             | 110119   | 4.217  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65             | 54721    | 4.080  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 81.600%  |          |
| 32) Benzene-d6                | 5.723  | 84             | 214090   | 4.094  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 81.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 66706    | 3.828  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 76.600%  |          |
| 41) Toluene-d8                | 7.893  | 98             | 172324   | 3.737  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 74.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79             | 21672    | 3.344  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 66.800%  |          |
| 46) 2-Hexanone-d5             | 8.633  | 63             | 79310    | 29.460 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 58.920%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84             | 51343    | 3.848  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 77.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152            | 62389    | 5.107  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 102.200% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 12) 1,1-Dichloroethene        | 2.581  | 96             | 2447     | 0.177  | ug/L #   | 1        |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96             | 2594     | 0.184  | ug/L #   | 71       |
| 22) cis-1,2-Dichloroethene    | 4.662  | 96             | 32922    | 2.176  | ug/L     | 88       |
| 34) Trichloroethene           | 6.539  | 95             | 104568   | 6.922  | ug/L     | 91       |
| 47) Tetrachloroethene         | 8.552  | 164            | 14112    | 1.268  | ug/L     | 94       |
| -----                         |        |                |          |        |          |          |

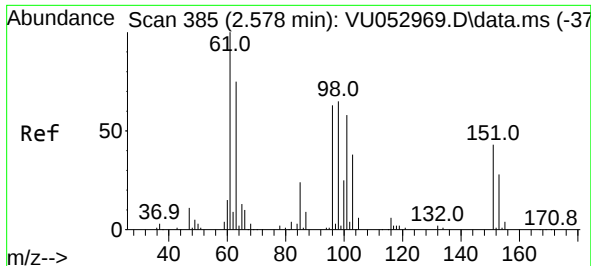
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.177 ug/L

RT: 2.581 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU052980.D

Acq: 06 Feb 2023 15:05

Instrument :

MSVOA\_U

ClientSampleId :

COM09

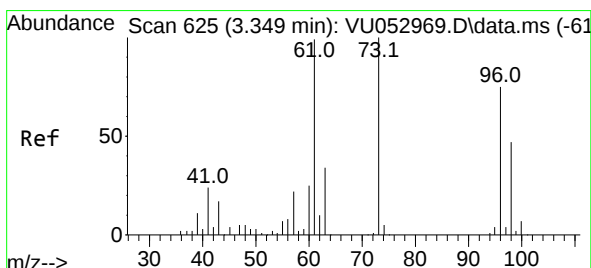
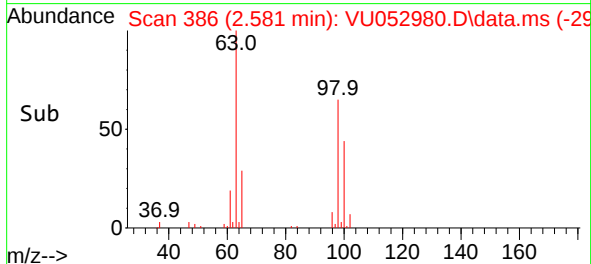
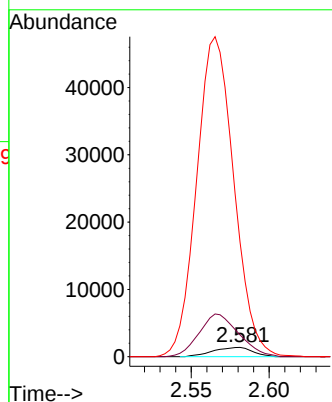
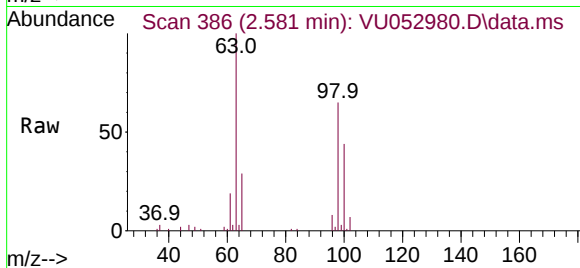
Tgt Ion: 96 Resp: 2447

Ion Ratio Lower Upper

96 100

61 232.4 129.6 240.8

63 1225.6 83.7 155.5#



#18

trans-1,2-Dichloroethene

Concen: 0.184 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.007 min

Lab File: VU052980.D

Acq: 06 Feb 2023 15:05

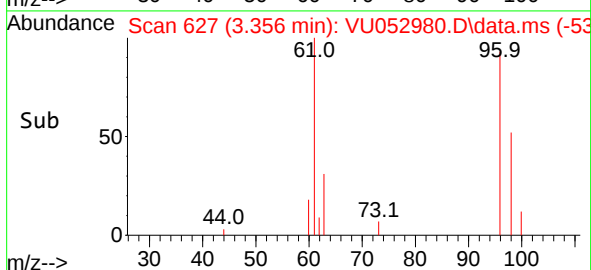
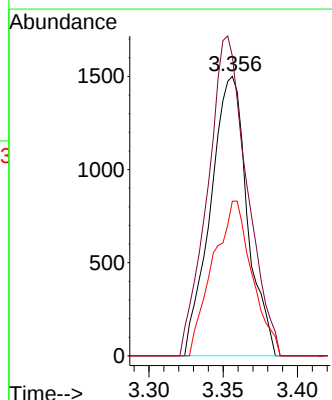
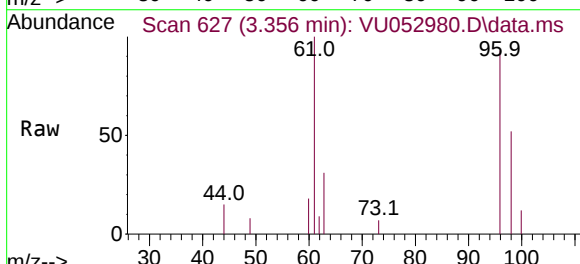
Tgt Ion: 96 Resp: 2594

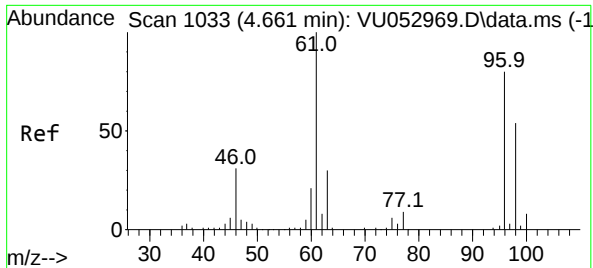
Ion Ratio Lower Upper

96 100

61 107.2 108.4 201.4#

98 55.3 43.8 81.4





#22

cis-1,2-Dichloroethene

Concen: 2.176 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU052980.D

Acq: 06 Feb 2023 15:05

Instrument :

MSVOA\_U

ClientSampleId :

COM09

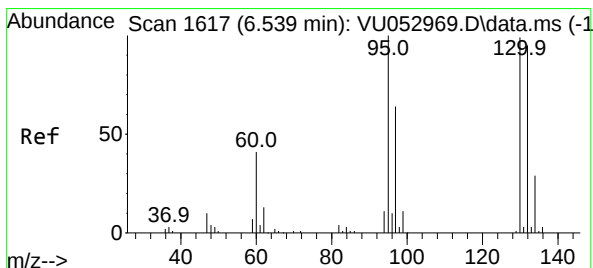
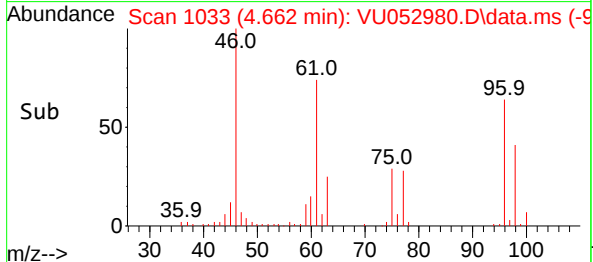
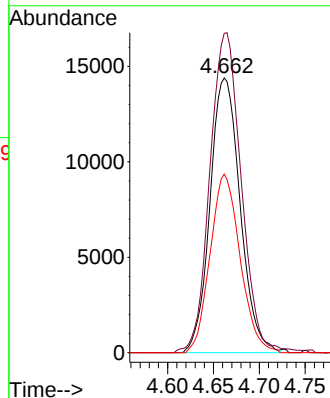
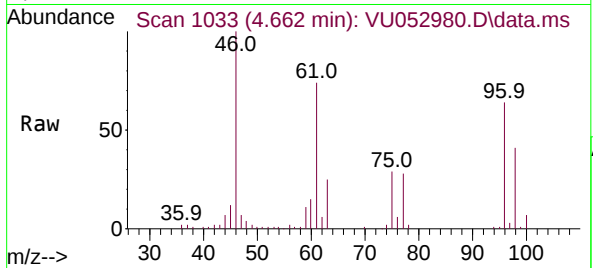
Tgt Ion: 96 Resp: 32922

Ion Ratio Lower Upper

96 100

61 116.3 94.6 175.8

98 65.0 43.3 80.3



#34

Trichloroethene

Concen: 6.922 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.003 min

Lab File: VU052980.D

Acq: 06 Feb 2023 15:05

Tgt Ion: 95 Resp: 104568

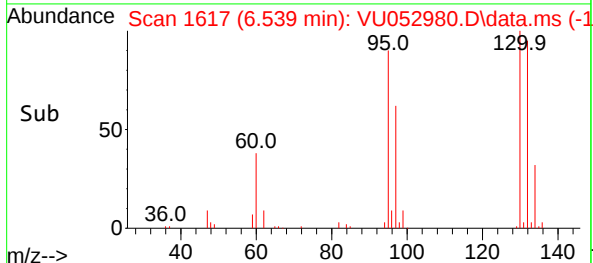
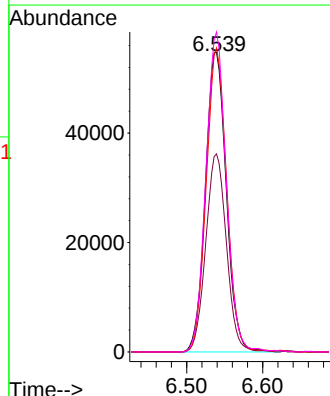
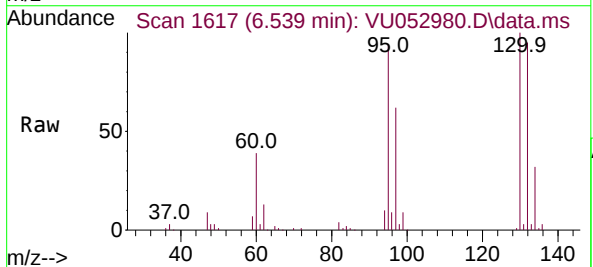
Ion Ratio Lower Upper

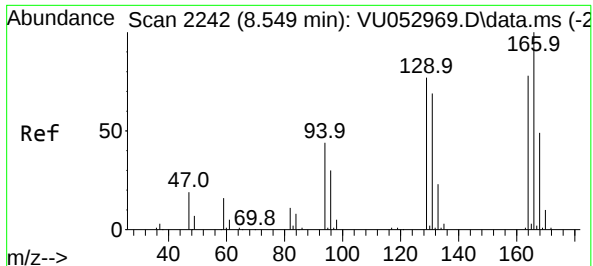
95 100

97 66.2 46.0 85.4

132 101.5 64.0 118.8

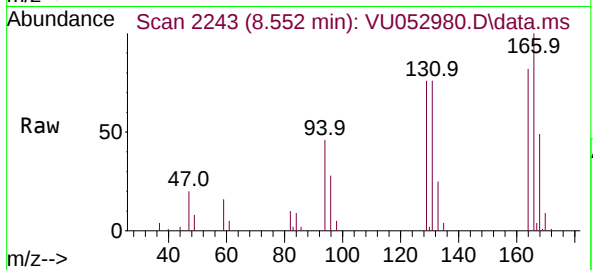
130 106.9 66.6 123.8





#47  
Tetrachloroethene  
Concen: 1.268 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU052980.D  
Acq: 06 Feb 2023 15:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
COM09



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 14112 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 93.0  | 71.8  | 133.4 |
| 131      | 92.7  | 66.6  | 123.6 |
| 166      | 121.9 | 89.9  | 167.0 |

