

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122121\  
 Data File : VU046537.D  
 Acq On : 21 Dec 2021 20:56  
 Operator : SY/MD  
 Sample : M5149-04  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 22 05:47:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122121WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 21 14:35:13 2021  
 Response via : Initial Calibration

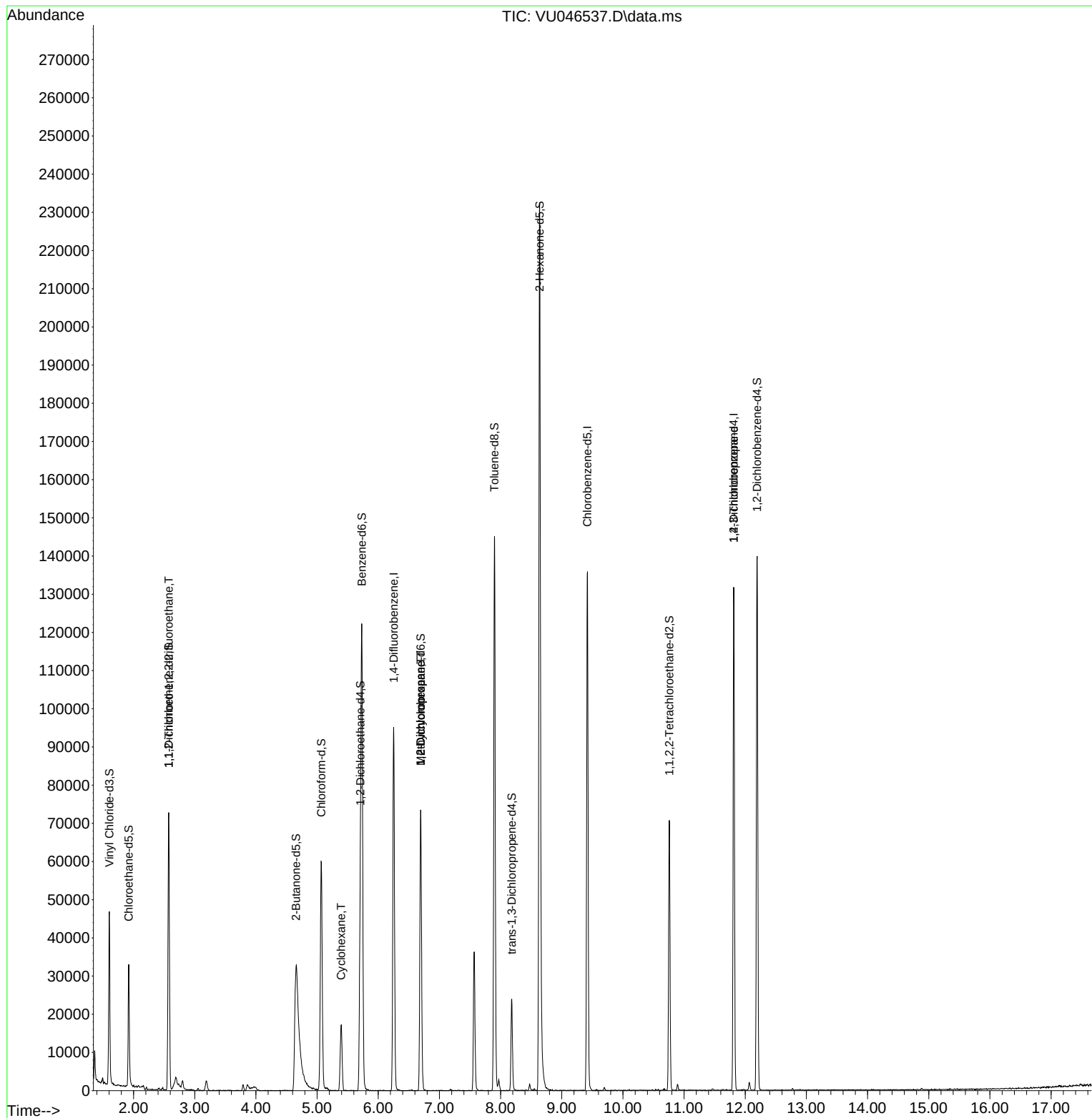
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 78515    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 76875    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 34292    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 31381    | 5.074    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 101.400% |
| 7) Chloroethane-d5            | 1.919  | 69    | 24900    | 5.113    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 102.200% |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 13492    | 5.174    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 103.400% |
| 20) 2-Butanone-d5             | 4.658  | 46    | 100038   | 55.766   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.540% |
| 24) Chloroform-d              | 5.070  | 84    | 57242    | 5.051    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.000% |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 35106    | 5.419    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 108.400% |
| 32) Benzene-d6                | 5.732  | 84    | 114635   | 5.349    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.000% |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 34427    | 5.346    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 107.000% |
| 41) Toluene-d8                | 7.899  | 98    | 95970    | 4.934    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 14812    | 4.973    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.400%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 95518    | 54.626   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 109.260% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 33846    | 5.121    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 36458    | 5.772    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 115.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 399      | 0.059    | ug/L # | 21       |
| 30) Cyclohexane               | 5.395  | 56    | 8187     | 0.779    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.694  | 83    | 8650     | 0.762    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.694  | 63    | 3910     | 0.502    | ug/L # | 88       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 4306     | 0.756    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

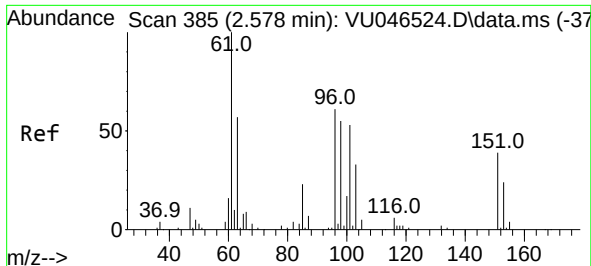
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.059 ug/L

RT: 2.575 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046537.D

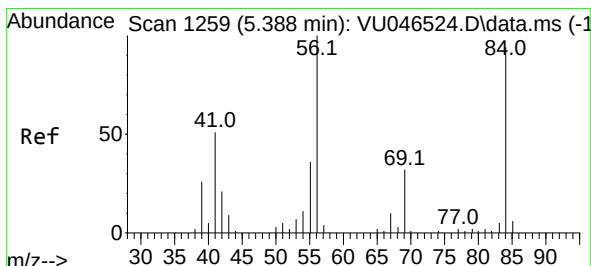
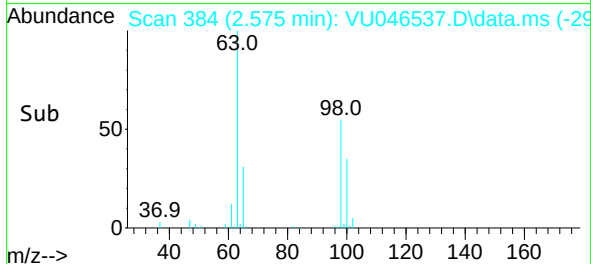
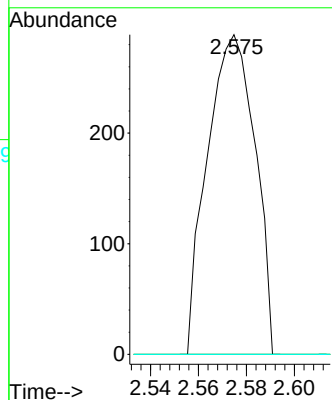
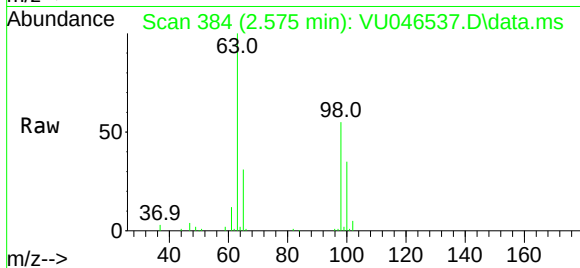
Acq: 21 Dec 2021 20:56

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:101 | Resp: | 399        |
| Ion Ratio   | Lower | Upper      |
| 101         | 100   |            |
| 85          | 0.0   | 34.6 51.8# |
| 151         | 0.0   | 56.1 84.1# |



#30

Cyclohexane

Concen: 0.779 ug/L

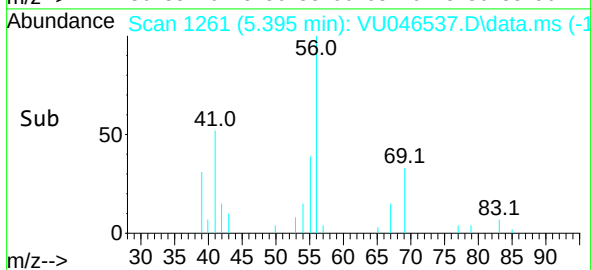
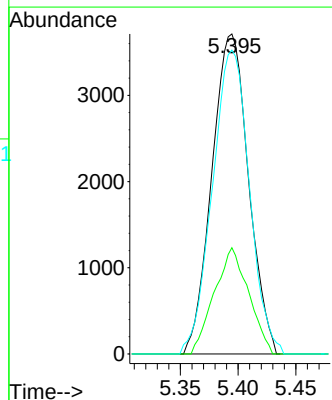
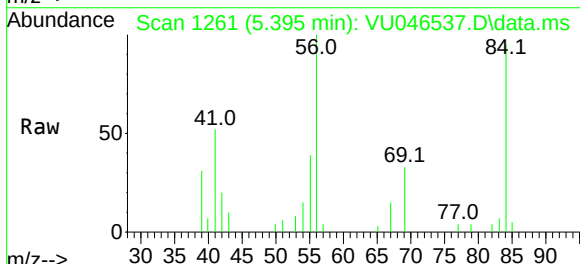
RT: 5.395 min Scan# 1261

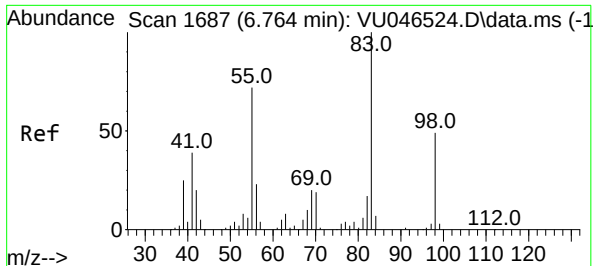
Delta R.T. 0.006 min

Lab File: VU046537.D

Acq: 21 Dec 2021 20:56

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 56 | Resp: | 8187       |
| Ion Ratio   | Lower | Upper      |
| 56          | 100   |            |
| 69          | 31.1  | 24.7 37.1  |
| 84          | 95.9  | 71.8 107.6 |





#35

Methylcyclohexane

Concen: 0.762 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.071 min

Lab File: VU046537.D

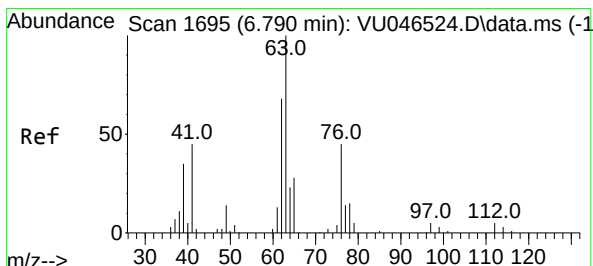
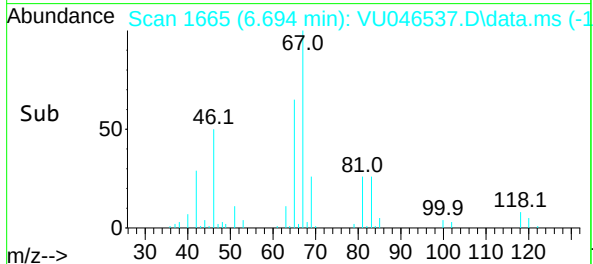
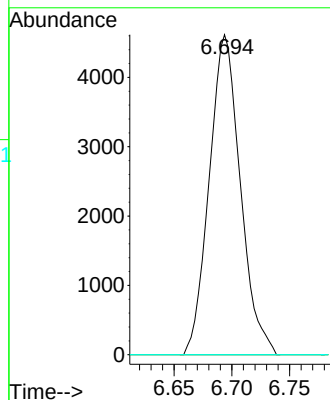
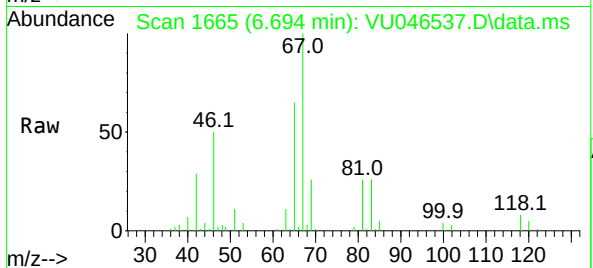
Acq: 21 Dec 2021 20:56

Instrument :

MSVOA\_U

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 8650     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 0.0 61.9 92.9# |
| 98          | 0.0 39.0 58.6# |



#37

1,2-Dichloropropane

Concen: 0.502 ug/L

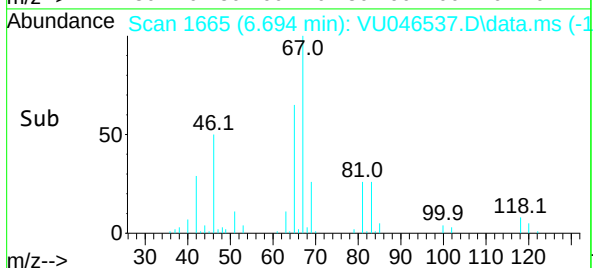
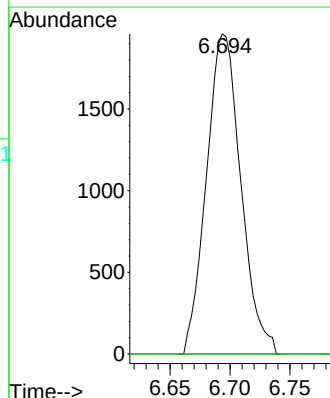
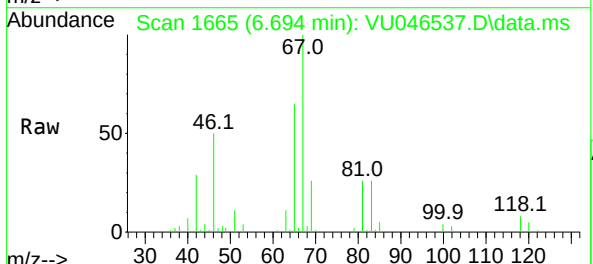
RT: 6.694 min Scan# 1665

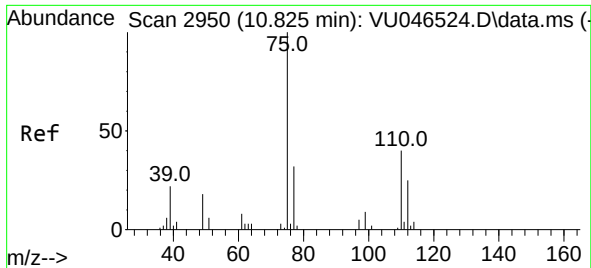
Delta R.T. -0.097 min

Lab File: VU046537.D

Acq: 21 Dec 2021 20:56

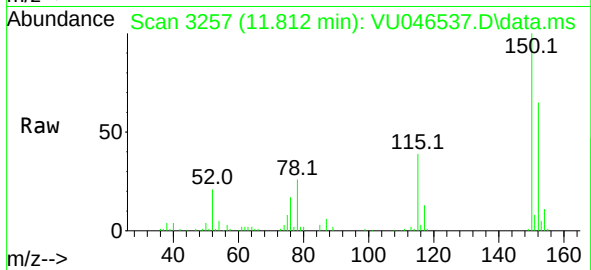
|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 3910   |
| Ion Ratio   | Lower Upper  |
| 63          | 100          |
| 112         | 0.0 3.2 4.8# |





#61  
 1,2,3-Trichloropropane  
 Concen: 0.756 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU046537.D  
 Acq: 21 Dec 2021 20:56

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 4306  
 Ion Ratio Lower Upper  
 75 100  
 110 1.1 29.9 44.9#  
 77 30.2 25.5 38.3

