

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011322\  
 Data File : VU046757.D  
 Acq On : 13 Jan 2022 15:27  
 Operator : SY/MD  
 Sample : N1101-08DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX0DL

Quant Time: Jan 13 23:13:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122121WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 10 00:25:50 2022  
 Response via : Initial Calibration

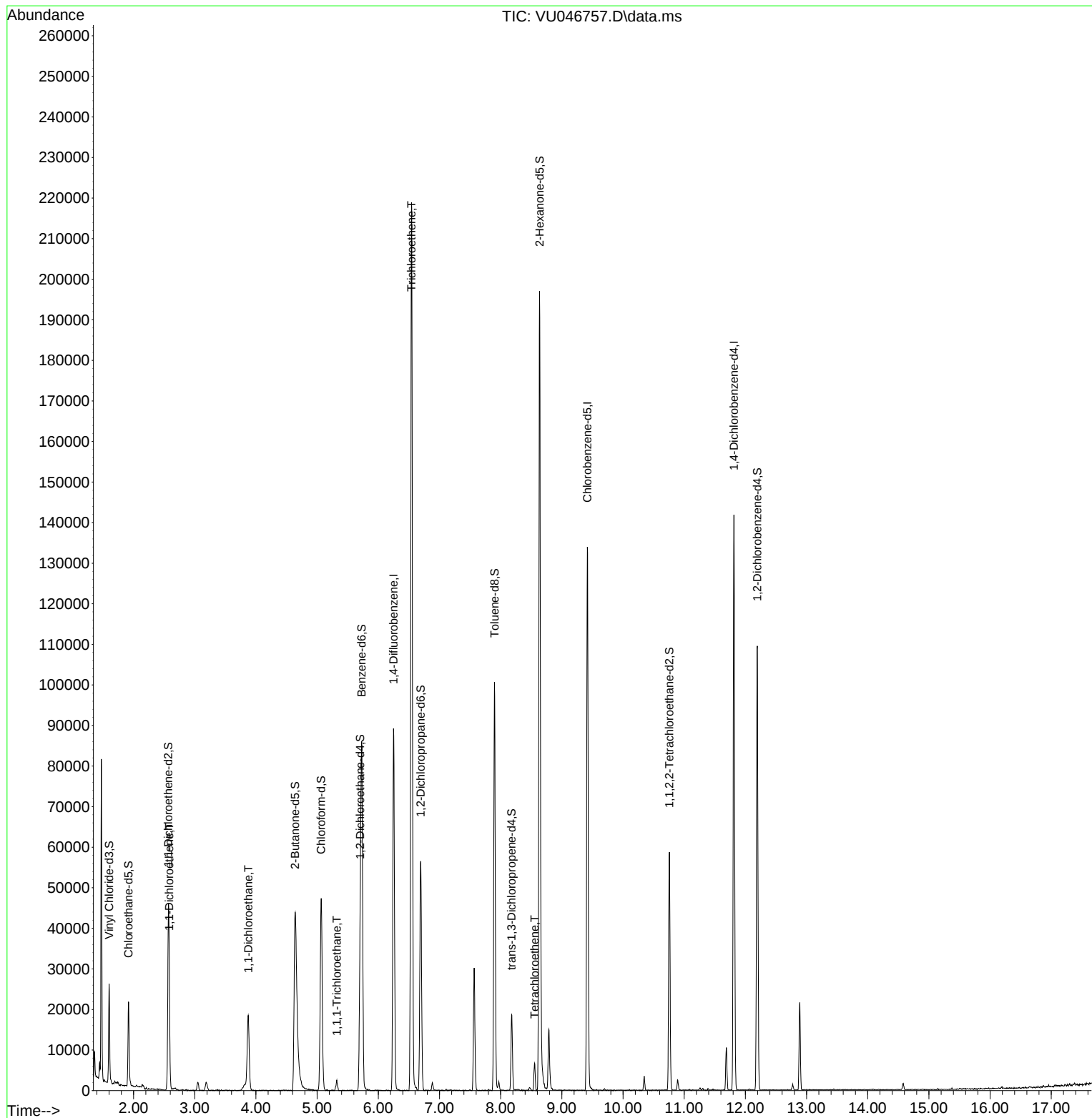
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 73880    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 76898    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152            | 39094    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65             | 17514    | 3.010  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 60.200%  |          |
| 7) Chloroethane-d5            | 1.916  | 69             | 16387    | 3.576  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 71.600%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65             | 7900     | 3.219  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 64.400%  |          |
| 20) 2-Butanone-d5             | 4.639  | 46             | 87028    | 51.557 | ug/L     | -0.01    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 103.120% |          |
| 24) Chloroform-d              | 5.067  | 84             | 45682    | 4.284  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 85.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65             | 26725    | 4.384  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 87.600%  |          |
| 32) Benzene-d6                | 5.729  | 84             | 83289    | 3.885  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 77.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67             | 27346    | 4.245  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 85.000%  |          |
| 41) Toluene-d8                | 7.899  | 98             | 68404    | 3.516  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 70.400%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 11297    | 3.792  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 75.800%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 74525    | 42.608 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 85.220%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84             | 28946    | 4.378  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 87.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152            | 29840    | 4.144  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 82.800%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.584  | 96             | 3820     | 0.588  | ug/L     | # 35     |
| 19) 1,1-Dichloroethane        | 3.877  | 63             | 20189    | 1.581  | ug/L     | 97       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97             | 1862     | 0.146  | ug/L     | 93       |
| 34) Trichloroethene           | 6.542  | 95             | 75982    | 9.434  | ug/L     | 97       |
| 47) Tetrachloroethene         | 8.555  | 164            | 1616     | 0.284  | ug/L     | 91       |
| -----                         |        |                |          |        |          |          |

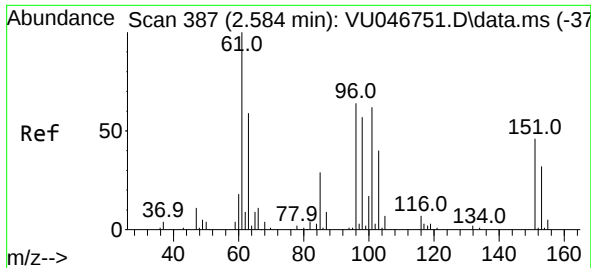
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 10 00:25:50 2022  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.588 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.007 min

Lab File: VU046757.D

Acq: 13 Jan 2022 15:27

Instrument :

MSVOA\_U

ClientSampleId :

BFXX0DL

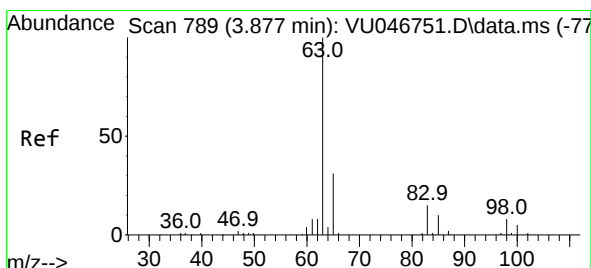
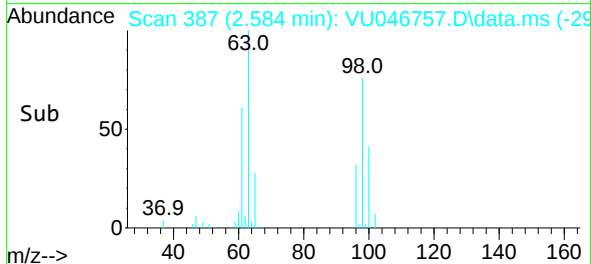
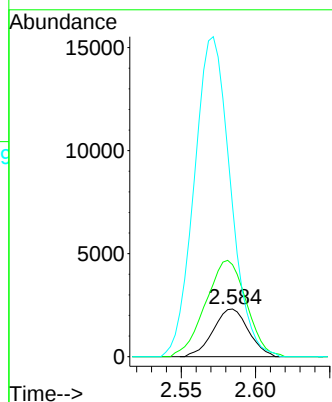
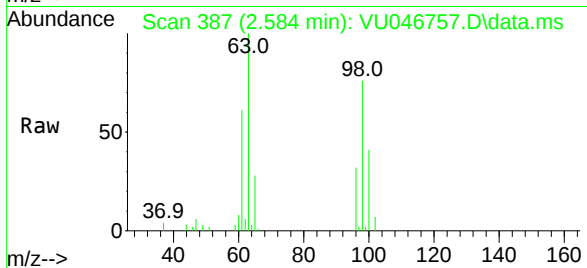
Tgt Ion: 96 Resp: 3820

Ion Ratio Lower Upper

96 100

61 192.7 124.7 231.5

63 316.1 105.2 195.4#



#19

1,1-Dichloroethane

Concen: 1.581 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.010 min

Lab File: VU046757.D

Acq: 13 Jan 2022 15:27

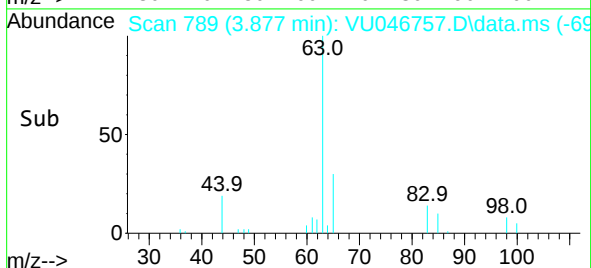
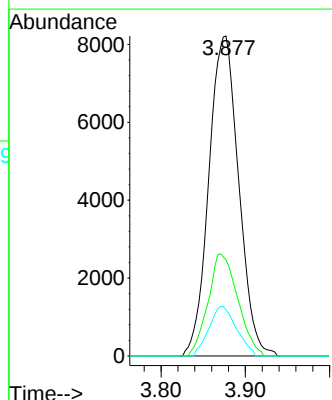
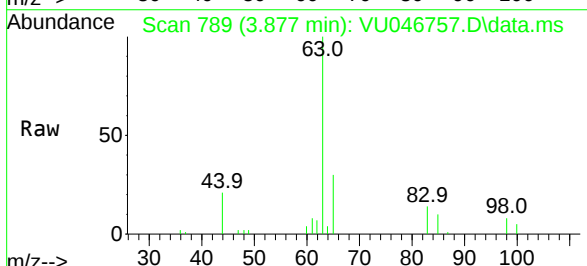
Tgt Ion: 63 Resp: 20189

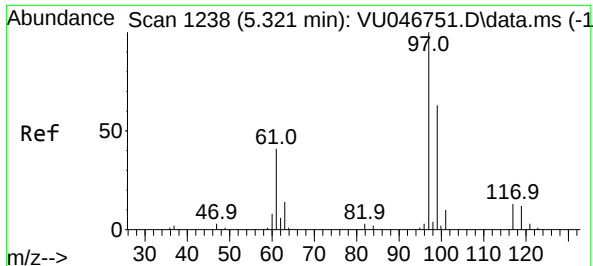
Ion Ratio Lower Upper

63 100

65 30.1 22.3 41.5

83 14.5 9.6 17.8





#29

1,1,1-Trichloroethane

Concen: 0.146 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU046757.D

Acq: 13 Jan 2022 15:27

Instrument :

MSVOA\_U

ClientSampleId :

BFX0DL

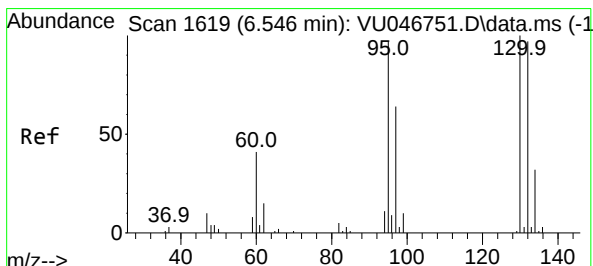
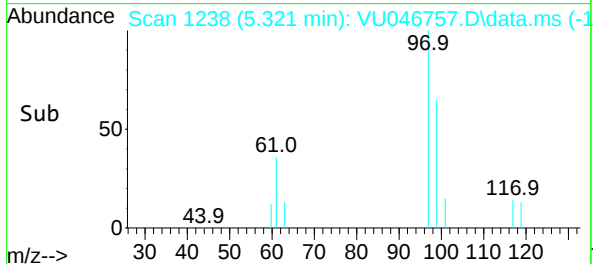
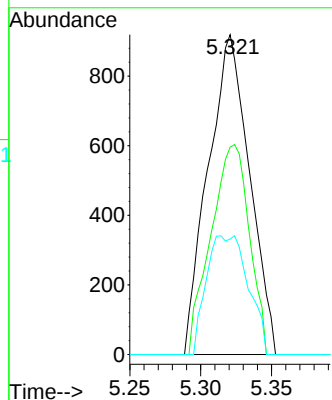
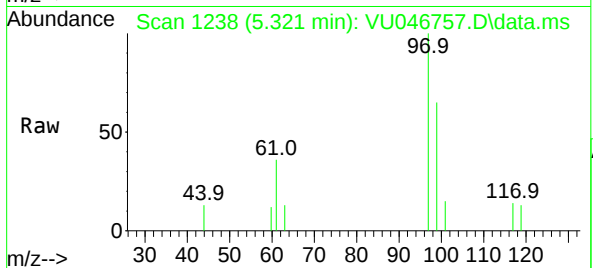
Tgt Ion: 97 Resp: 1862

Ion Ratio Lower Upper

97 100

99 61.1 51.3 76.9

61 37.6 36.1 54.1



#34

Trichloroethene

Concen: 9.434 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VU046757.D

Acq: 13 Jan 2022 15:27

Tgt Ion: 95 Resp: 75982

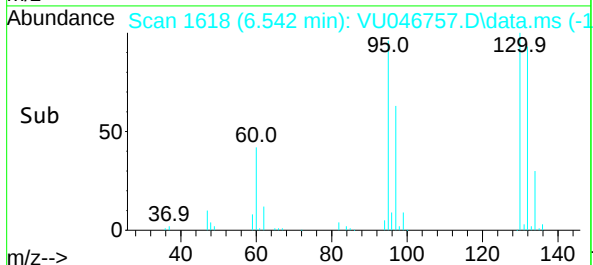
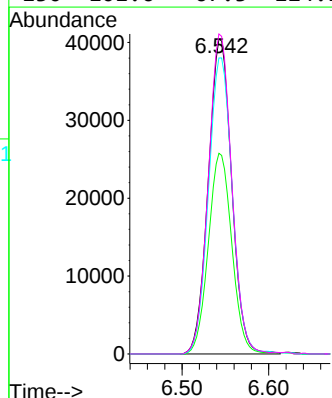
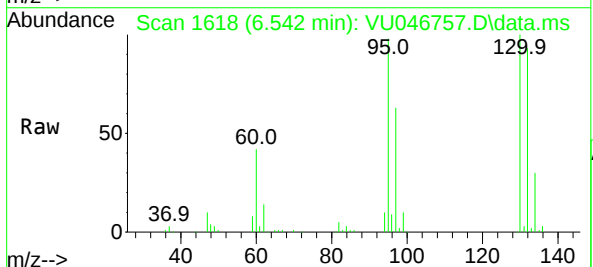
Ion Ratio Lower Upper

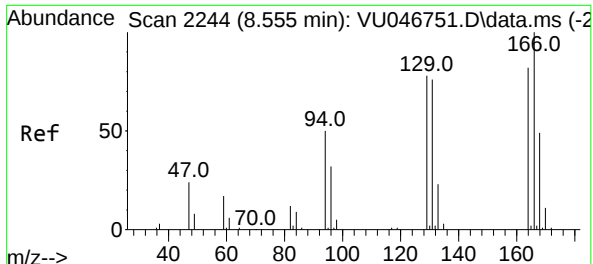
95 100

97 63.7 46.5 86.5

132 94.0 65.1 120.9

130 101.6 67.3 124.9





#47  
 Tetrachloroethene  
 Concen: 0.284 ug/L  
 RT: 8.555 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU046757.D  
 Acq: 13 Jan 2022 15:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX0DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 1616  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 92.6  | 71.8  | 133.4 |
| 131      | 85.2  | 68.5  | 127.3 |
| 166      | 128.0 | 94.1  | 174.8 |

