

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121523\  
 Data File : VU056877.D  
 Acq On : 15 Dec 2023 14:21  
 Operator : MD/SY  
 Sample : 05677-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

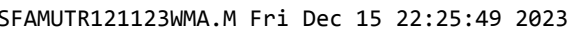
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0AC8

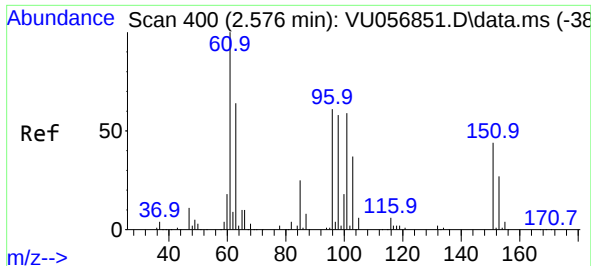
Quant Time: Dec 15 22:25:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 15 01:53:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 225469   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 229797   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 95973    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 90767    | 4.696    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 71407    | 4.937    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 39420    | 4.767    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 95.400%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 192691   | 50.486   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.980% |
| 24) Chloroform-d              | 5.055  | 84    | 181770   | 4.967    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 86685    | 5.005    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.200% |
| 32) Benzene-d6                | 5.721  | 84    | 341912   | 4.797    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 109700   | 4.917    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 282195   | 4.430    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 38410    | 4.440    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.800%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 151149   | 46.321   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 77214    | 4.784    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 95059    | 5.039    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 10886    | 0.595    | ug/L # | 1        |
| 34) Trichloroethene           | 6.537  | 95    | 202791   | 9.154    | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.685  | 83    | 26005    | 0.795    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.689  | 63    | 12059    | 0.584    | ug/L # | 88       |
| 47) Tetrachloroethene         | 8.550  | 164   | 144602   | 9.327    | ug/L   | 97       |
| 48) 2-Hexanone                | 8.685  | 43    | 6403     | 0.916    | ug/L # | 72       |
| 49) Dibromochloromethane      | 8.547  | 129   | 148676   | 9.261    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 12526    | 1.216    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

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

Quant Time: Dec 15 22:25:45 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Dec 15 01:53:53 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.595 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056877.D

Acq: 15 Dec 2023 14:21

Instrument :

MSVOA\_U

ClientSampleId :

H0AC8

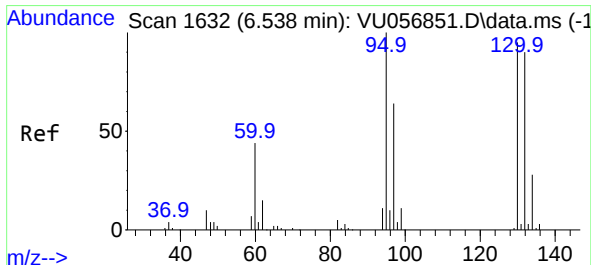
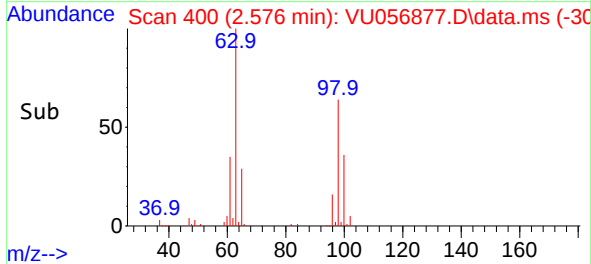
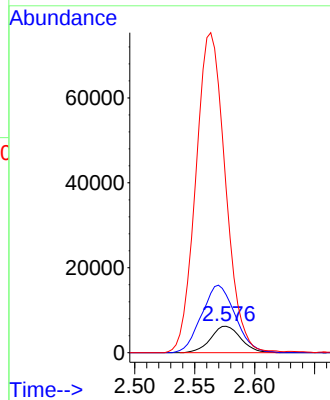
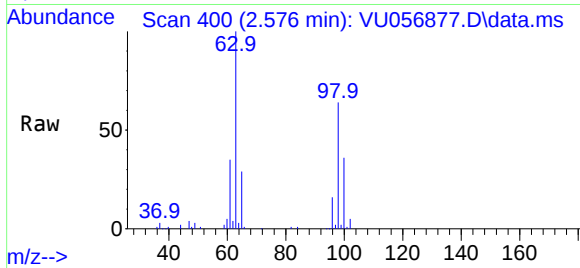
Tgt Ion: 96 Resp: 10886

Ion Ratio Lower Upper

96 100

61 219.0 119.0 221.0

63 622.1 88.7 164.7#



#34

Trichloroethene

Concen: 9.154 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU056877.D

Acq: 15 Dec 2023 14:21

Tgt Ion: 95 Resp: 202791

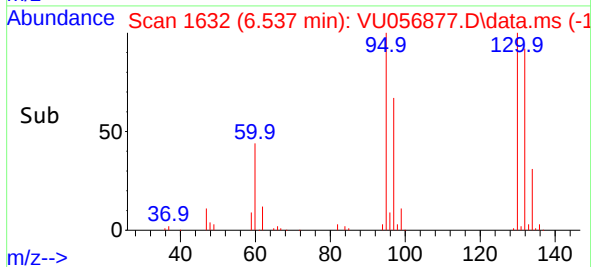
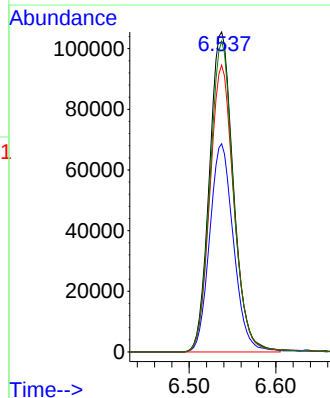
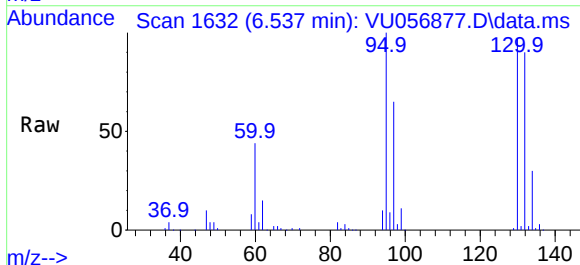
Ion Ratio Lower Upper

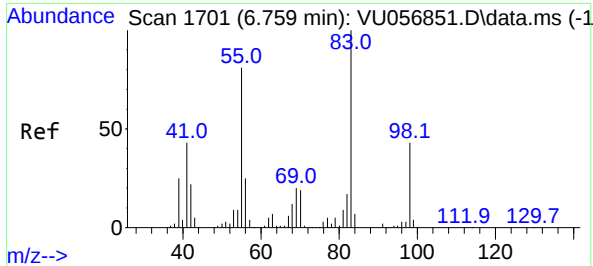
95 100

97 65.1 46.1 85.5

132 89.6 63.6 118.0

130 97.1 66.4 123.4

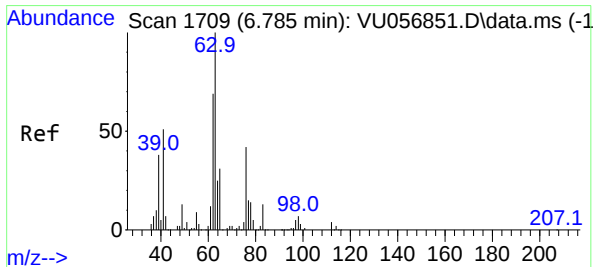
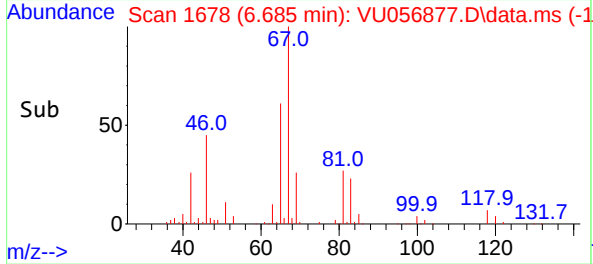
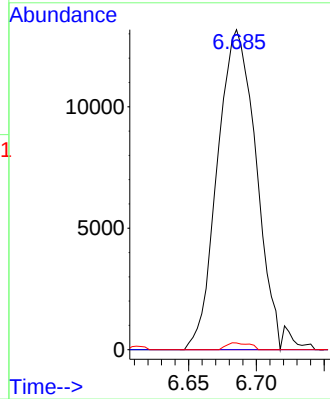
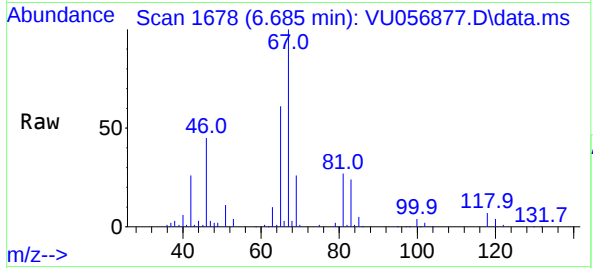




#35  
Methylcyclohexane  
Concen: 0.795 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.074 min  
Lab File: VU056877.D  
Acq: 15 Dec 2023 14:21

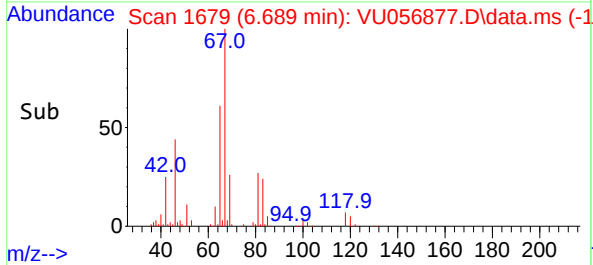
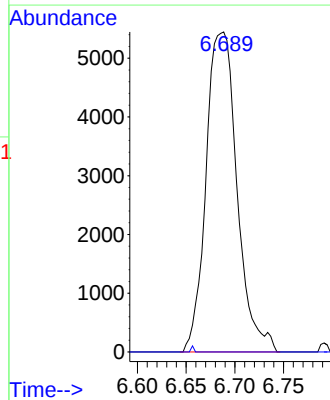
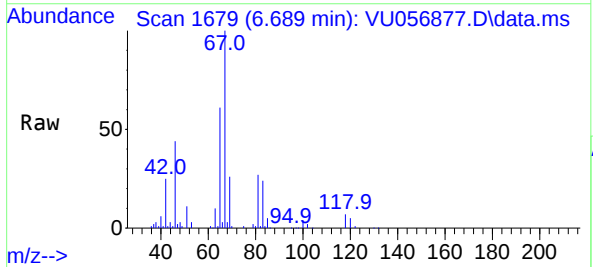
Instrument :  
MSVOA\_U  
ClientSampleId :  
H0AC8

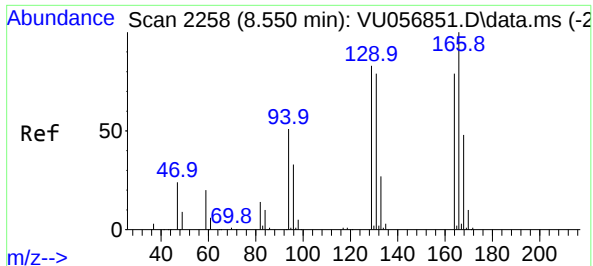
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 26005 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 0.0   | 64.6  | 97.0# |
| 98        | 1.3   | 36.1  | 54.1# |



#37  
1,2-Dichloropropane  
Concen: 0.584 ug/L  
RT: 6.689 min Scan# 1679  
Delta R.T. -0.096 min  
Lab File: VU056877.D  
Acq: 15 Dec 2023 14:21

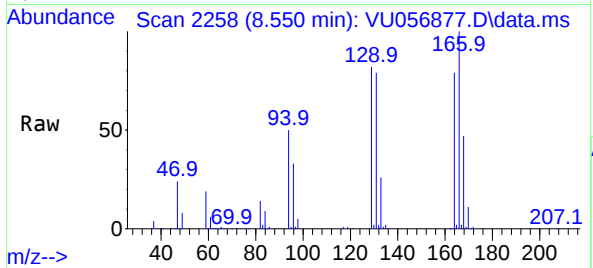
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 12059 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 112       | 0.2   | 3.3   | 4.9#  |



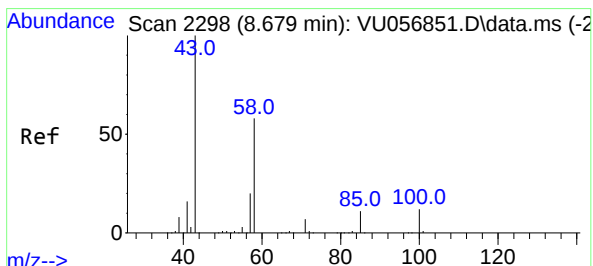
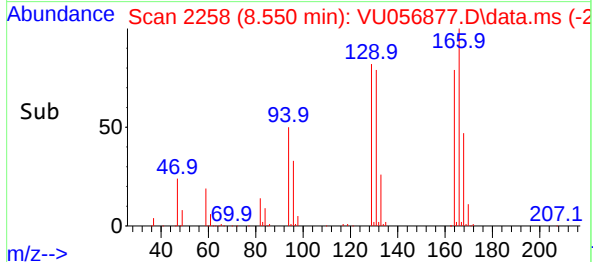
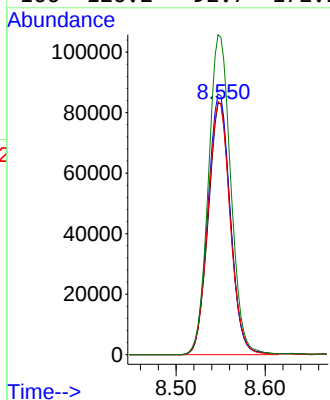


#47  
Tetrachloroethene  
Concen: 9.327 ug/L  
RT: 8.550 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU056877.D  
Acq: 15 Dec 2023 14:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
H0AC8

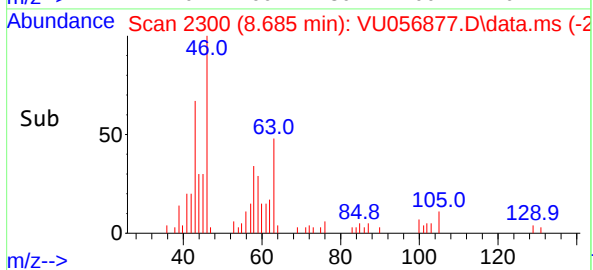
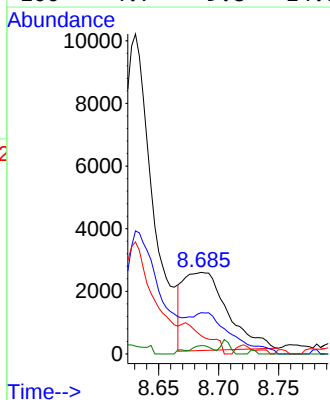
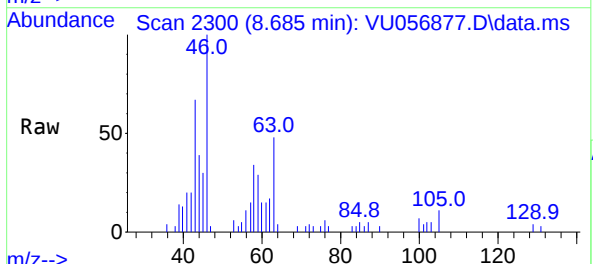


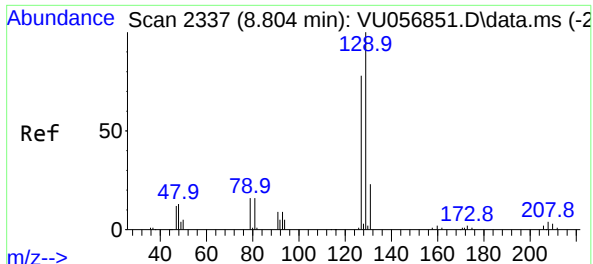
Tgt Ion:164 Resp: 144602  
Ion Ratio Lower Upper  
164 100  
129 103.0 73.4 136.4  
131 99.5 71.5 132.9  
166 126.2 92.7 172.1



#48  
2-Hexanone  
Concen: 0.916 ug/L  
RT: 8.685 min Scan# 2300  
Delta R.T. 0.006 min  
Lab File: VU056877.D  
Acq: 15 Dec 2023 14:21

Tgt Ion: 43 Resp: 6403  
Ion Ratio Lower Upper  
43 100  
58 41.1 47.5 71.3#  
57 0.0 17.0 25.4#  
100 4.7 9.8 14.8#





#49

Dibromochloromethane

Concen: 9.261 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU056877.D

Acq: 15 Dec 2023 14:21

Instrument :

MSVOA\_U

ClientSampleId :

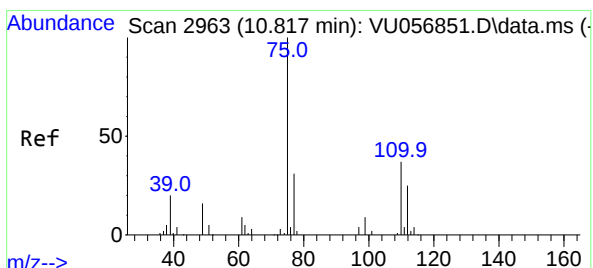
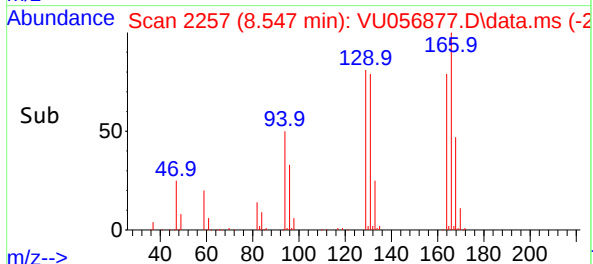
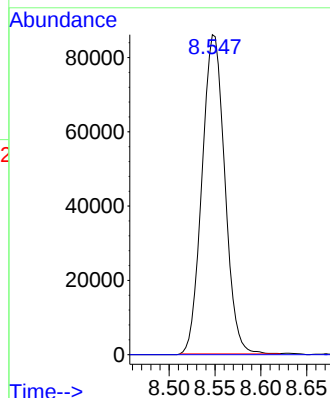
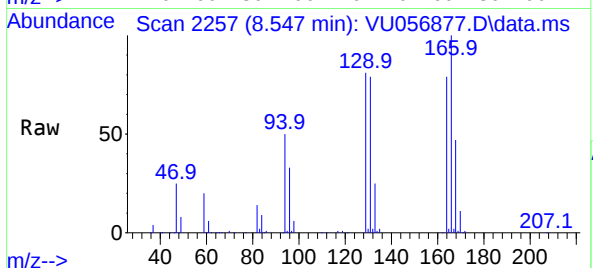
H0AC8

Tgt Ion:129 Resp: 148676

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.216 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU056877.D

Acq: 15 Dec 2023 14:21

Tgt Ion: 75 Resp: 12526

Ion Ratio Lower Upper

75 100

110 1.6 28.4 42.6#

77 33.4 26.3 39.5

