

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121823\  
 Data File : VU057019.D  
 Acq On : 19 Dec 2023 02:30  
 Operator : MD/SY  
 Sample : 05830-08 200X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 19 05:13:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 19 02:36:03 2023  
 Response via : Initial Calibration

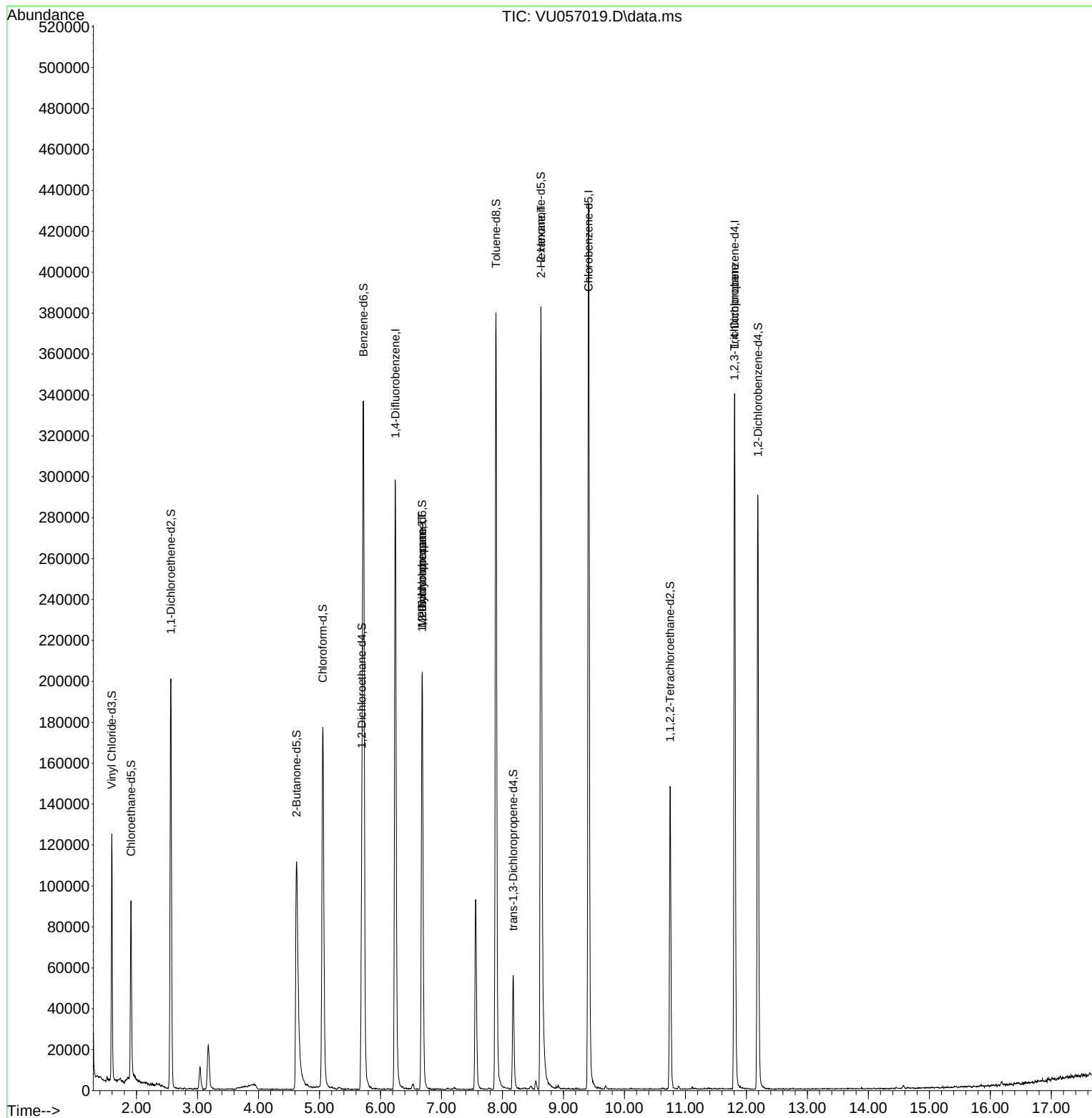
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 239720   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 253300   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 93079    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 85169    | 4.145    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.800%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 64329    | 4.184    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 39145    | 4.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 89.000%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 177215   | 43.671   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 87.340%  |
| 24) Chloroform-d              | 5.055  | 84    | 172355   | 4.430    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 81842    | 4.445    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.800%  |
| 32) Benzene-d6                | 5.721  | 84    | 328057   | 4.176    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 104677   | 4.257    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.200%  |
| 41) Toluene-d8                | 7.894  | 98    | 265558   | 3.782    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 75.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 34561    | 3.624    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 72.400%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 134348   | 37.352   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 74.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 75160    | 4.224    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 84.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 76403    | 4.176    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 83.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 35) Methylcyclohexane         | 6.685  | 83    | 23567    | 0.654    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 10713    | 0.470    | ug/L # | 88       |
| 48) 2-Hexanone                | 8.634  | 43    | 21837    | 2.835    | ug/L # | 69       |
| 61) 1,2,3-Trichloropropane    | 11.804 | 75    | 11392    | 1.140    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

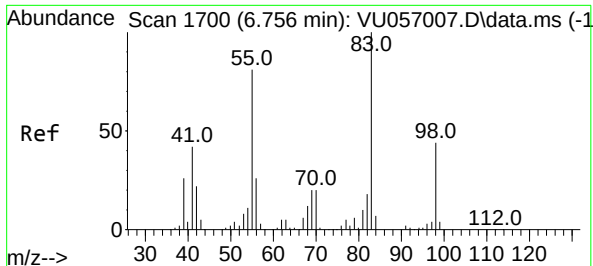
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121823\  
Data File : VU057019.D  
Acq On : 19 Dec 2023 02:30  
Operator : MD/SY  
Sample : 05830-08 200X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Dec 19 05:13:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Dec 19 02:36:03 2023  
Response via : Initial Calibration





#35

Methylcyclohexane

Concen: 0.654 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU057019.D

Acq: 19 Dec 2023 02:30

Instrument :

MSVOA\_U

ClientSampleId :

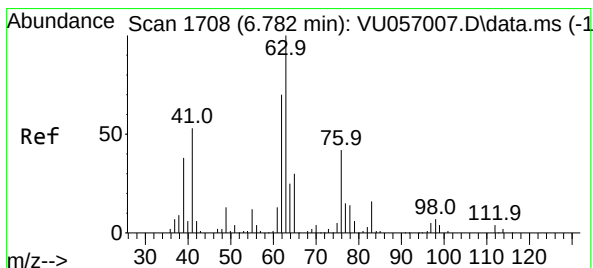
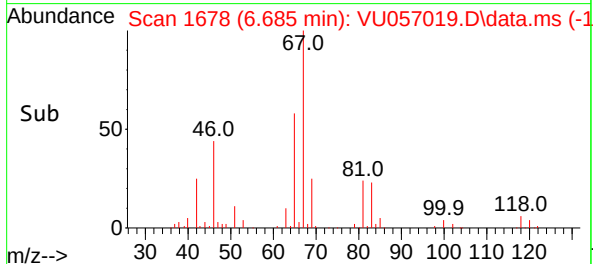
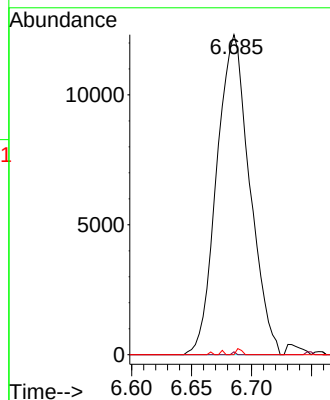
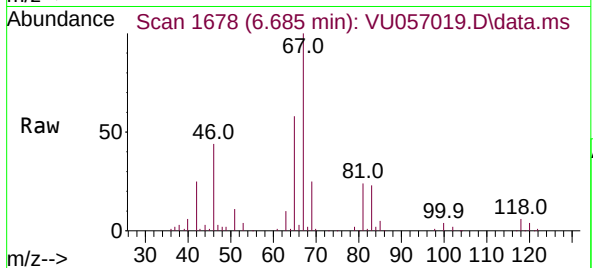
Tgt Ion: 83 Resp: 23567

Ion Ratio Lower Upper

83 100

55 0.1 64.6 97.0#

98 0.3 36.1 54.1#



#37

1,2-Dichloropropane

Concen: 0.470 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.097 min

Lab File: VU057019.D

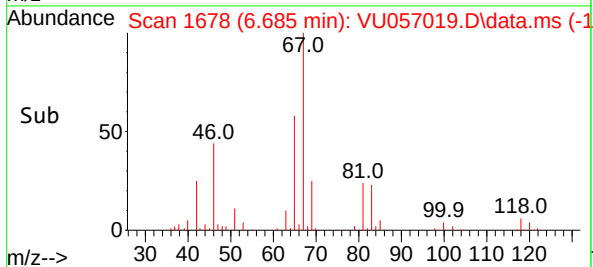
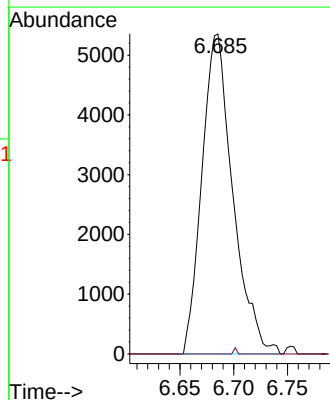
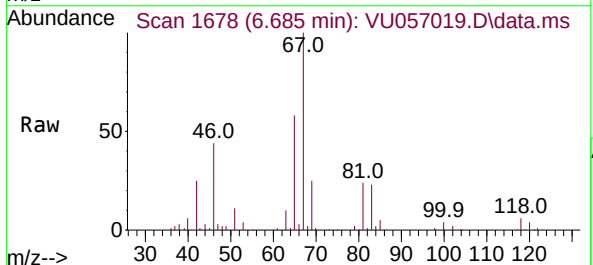
Acq: 19 Dec 2023 02:30

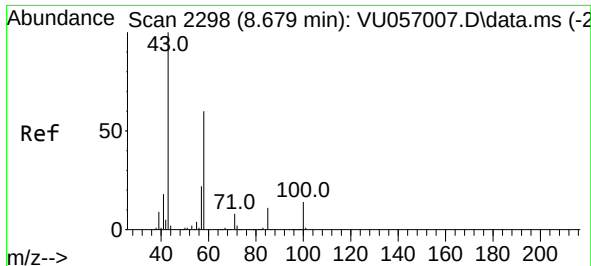
Tgt Ion: 63 Resp: 10713

Ion Ratio Lower Upper

63 100

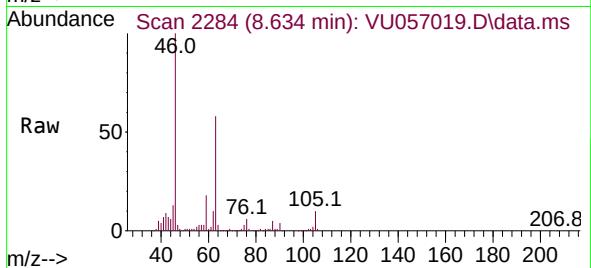
112 0.2 3.3 4.9#



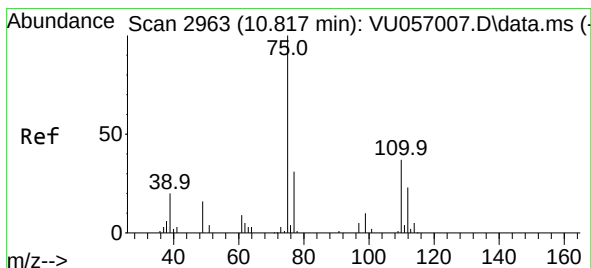
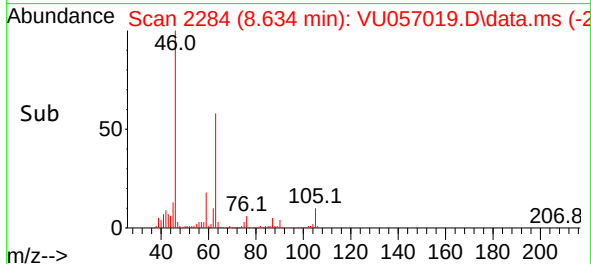
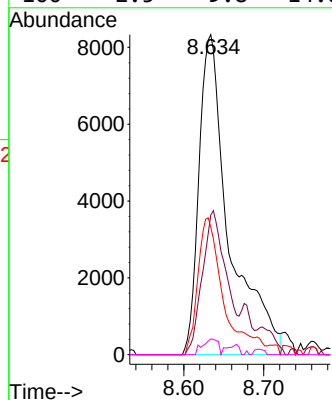


#48  
2-Hexanone  
Concen: 2.835 ug/L  
RT: 8.634 min Scan# 21837  
Delta R.T. -0.045 min  
Lab File: VU057019.D  
Acq: 19 Dec 2023 02:30

Instrument :  
MSVOA\_U  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 35.9  | 47.5  | 71.3# |
| 57      | 36.5  | 17.0  | 25.4# |
| 100     | 2.5   | 9.8   | 14.8# |



#61  
1,2,3-Trichloropropane  
Concen: 1.140 ug/L  
RT: 11.804 min Scan# 3270  
Delta R.T. 0.987 min  
Lab File: VU057019.D  
Acq: 19 Dec 2023 02:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 1.9   | 28.4  | 42.6# |
| 77      | 31.8  | 26.3  | 39.5  |

