

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122223\  
 Data File : VU057214.D  
 Acq On : 23 Dec 2023 01:50  
 Operator : MD/SY  
 Sample : 05979-09  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 23 04:42:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 23 00:27:07 2023  
 Response via : Initial Calibration

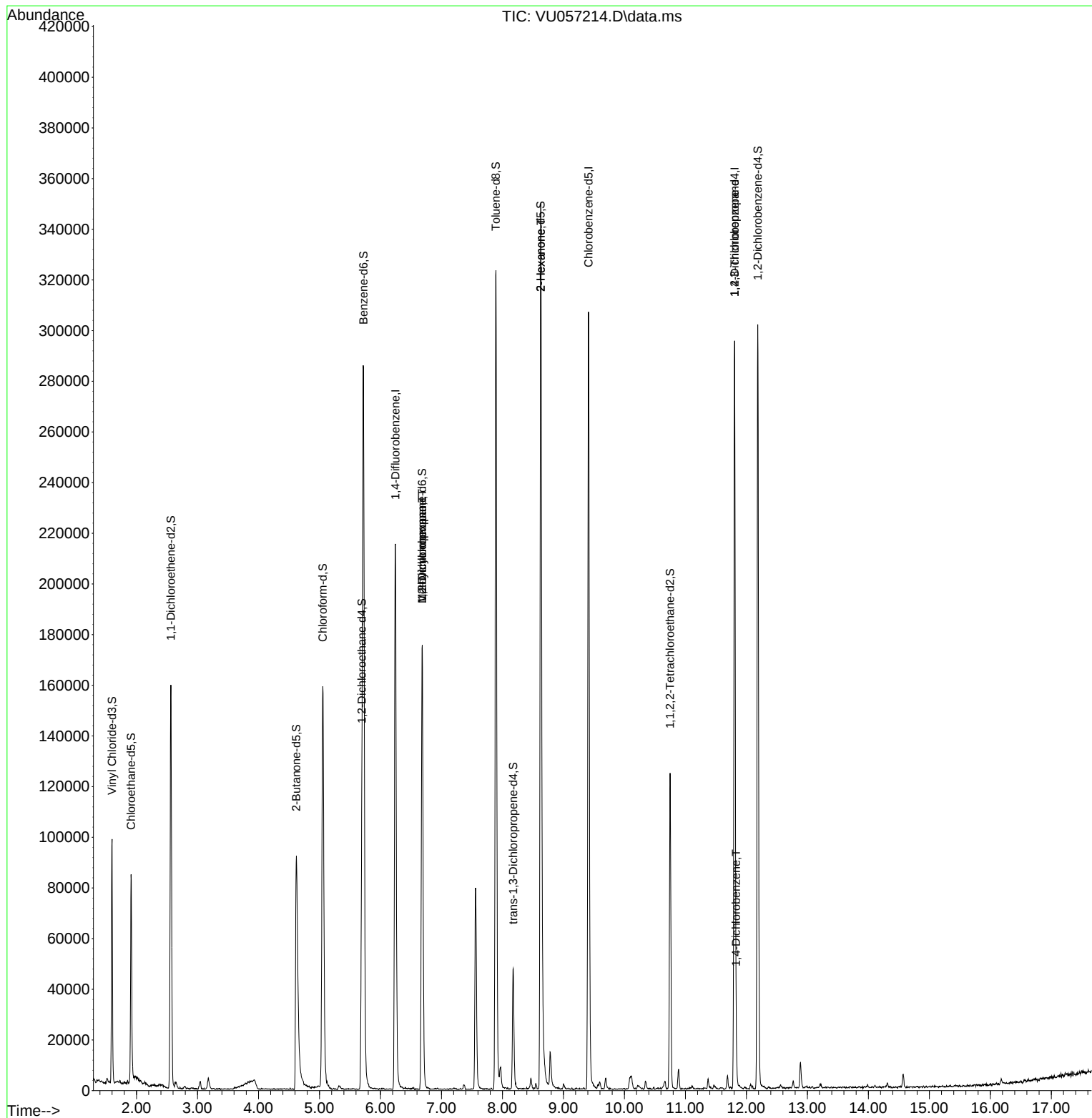
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 176327   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 174100   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 76573    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65             | 68844    | 4.085  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 81.600%  |          |
| 7) Chloroethane-d5            | 1.911  | 69             | 61283    | 4.417  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 88.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 31092    | 4.258  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 85.200%  |          |
| 20) 2-Butanone-d5             | 4.621  | 46             | 148332   | 56.057 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 112.120% |          |
| 24) Chloroform-d              | 5.055  | 84             | 150487   | 4.624  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 92.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 72751    | 4.690  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 93.800%  |          |
| 32) Benzene-d6                | 5.721  | 84             | 269934   | 4.520  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 90.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67             | 85586    | 5.037  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 100.800% |          |
| 41) Toluene-d8                | 7.891  | 98             | 220421   | 4.043  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 80.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 29468    | 4.166  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 83.400%  |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 118524   | 49.212 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 98.420%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84             | 61287    | 5.068  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 101.400% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152            | 79026    | 4.796  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 96.000%  |          |
| Target Compounds              |        |                |          |        |          |          |
| 35) Methylcyclohexane         | 6.682  | 83             | 20637    | 0.971  | ug/L #   | 19       |
| 37) 1,2-Dichloropropane       | 6.682  | 63             | 9414     | 0.686  | ug/L #   | 90       |
| 48) 2-Hexanone                | 8.630  | 43             | 19260    | 4.386  | ug/L #   | 71       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 10108    | 1.417  | ug/L #   | 66       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146            | 4271     | 0.159  | ug/L     | 84       |

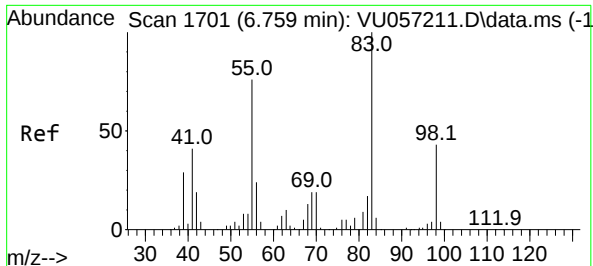
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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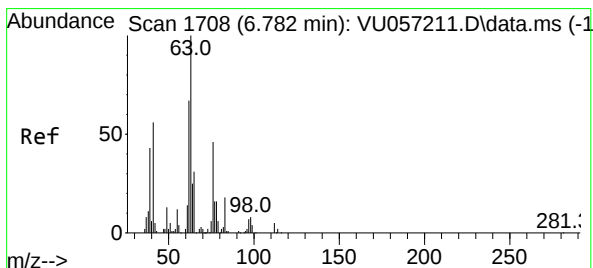
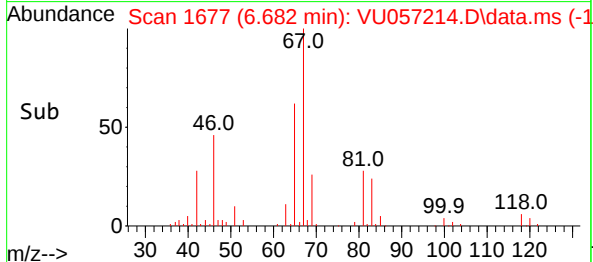
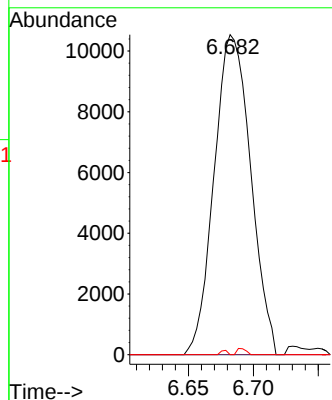
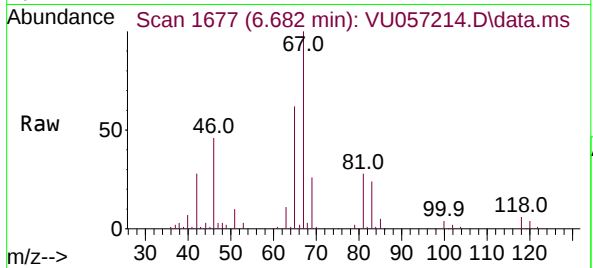




#35  
Methylcyclohexane  
Concen: 0.971 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.077 min  
Lab File: VU057214.D  
Acq: 23 Dec 2023 01:50

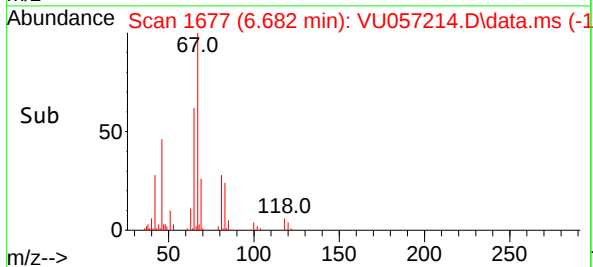
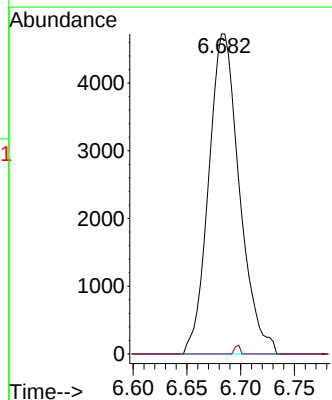
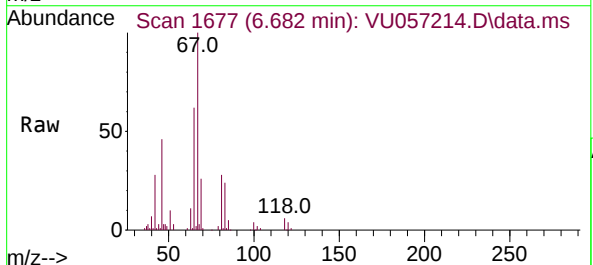
Instrument :  
MSVOA\_U  
ClientSampleId :

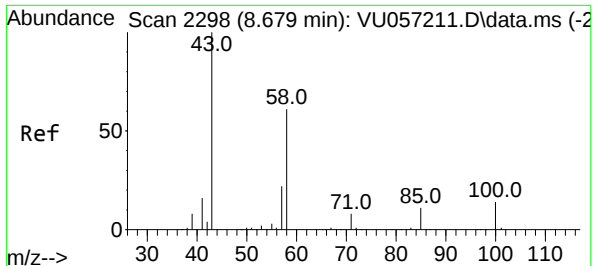
Tgt Ion: 83 Resp: 20637  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.3 91.9#  
98 0.2 36.6 55.0#



#37  
1,2-Dichloropropane  
Concen: 0.686 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.100 min  
Lab File: VU057214.D  
Acq: 23 Dec 2023 01:50

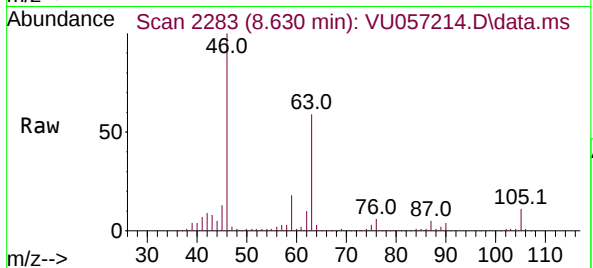
Tgt Ion: 63 Resp: 9414  
Ion Ratio Lower Upper  
63 100  
112 0.5 3.1 4.7#



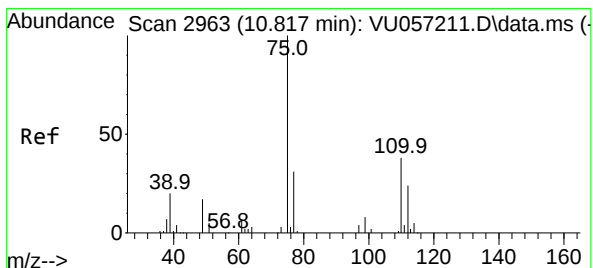
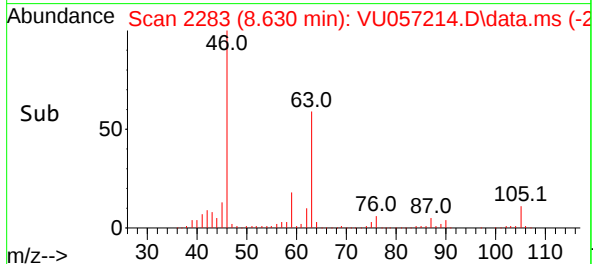
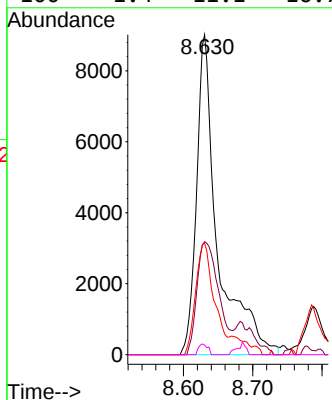


#48  
2-Hexanone  
Concen: 4.386 ug/L  
RT: 8.630 min Scan# 21  
Delta R.T. -0.048 min  
Lab File: VU057214.D  
Acq: 23 Dec 2023 01:50

Instrument :  
MSVOA\_U  
ClientSampleId :

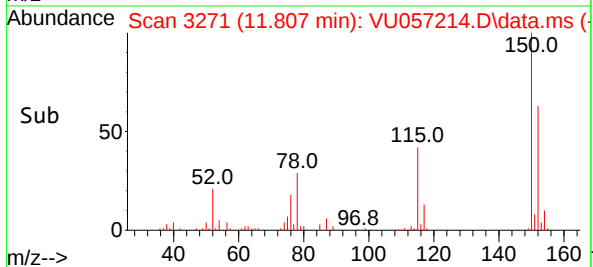
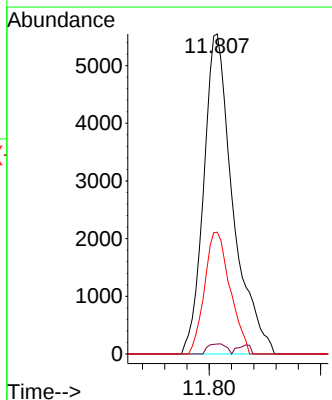
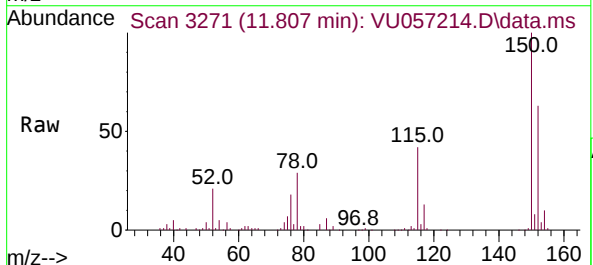


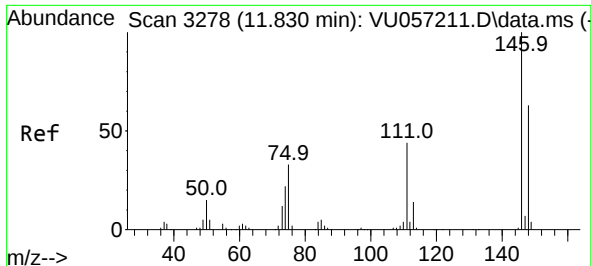
| Tgt Ion:  | 43   | Resp: | 19260 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 58        | 36.0 | 49.8  | 74.8# |
| 57        | 30.7 | 18.5  | 27.7# |
| 100       | 1.4  | 11.1  | 16.7# |



#61  
1,2,3-Trichloropropane  
Concen: 1.417 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU057214.D  
Acq: 23 Dec 2023 01:50

| Tgt Ion:  | 75   | Resp: | 10108 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 110       | 2.0  | 31.2  | 46.8# |
| 77        | 33.2 | 25.5  | 38.3  |





#65

1,4-Dichlorobenzene

Concen: 0.159 ug/L

RT: 11.833 min Scan# 31

Delta R.T. 0.003 min

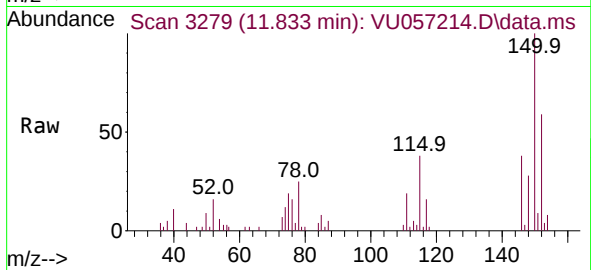
Lab File: VU057214.D

Acq: 23 Dec 2023 01:50

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:146 Resp: 4271

Ion Ratio Lower Upper

146 100

111 49.5 28.1 52.3

148 73.9 43.0 79.8

