

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090822\  
 Data File : VU050689.D  
 Acq On : 08 Sep 2022 16:50  
 Operator : SY/MD  
 Sample : N4482-13  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

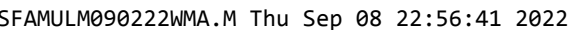
Instrument :  
 MSVOA\_U  
 ClientSampleId :

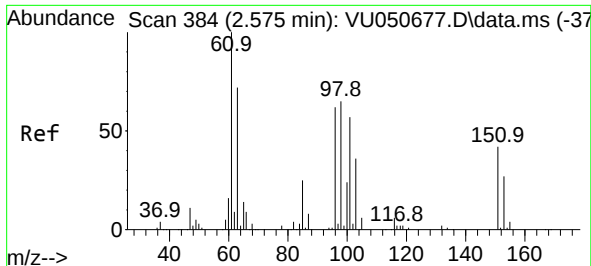
Quant Time: Sep 08 22:56:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM090222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 08 22:51:50 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 318139   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 314119   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.813  | 152   | 121534   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.598   | 65    | 93876    | 34.500   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 69.000%  |
| 7) Chloroethane-d5            | 1.910   | 69    | 76192    | 41.407   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 82.820%  |
| 11) 1,1-Dichloroethene-d2     | 2.566   | 63    | 140423   | 29.203   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 58.400%# |
| 21) 2-Butanone-d5             | 4.620   | 46    | 189004   | 94.938   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.940%  |
| 24) Chloroform-d              | 5.064   | 84    | 235681   | 45.699   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 153113   | 48.585   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.160%  |
| 32) Benzene-d6                | 5.726   | 84    | 444342   | 42.805   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.691   | 67    | 153239   | 44.962   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 89.920%  |
| 41) Toluene-d8                | 7.900   | 98    | 374021   | 42.133   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 84.260%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 62024    | 43.984   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.960%  |
| 47) 2-Hexanone-d5             | 8.633   | 63    | 78348    | 91.391   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 91.390%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 236589   | 45.873   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 91.740%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 131753   | 46.310   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.620%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562   | 101   | 1516     | 0.610    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.569   | 96    | 994      | 0.411    | ug/L # | 1        |
| 37) 1,2-Dichloropropane       | 6.691   | 63    | 15427    | 5.109    | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.565   | 75    | 4077     | 0.997    | ug/L # | 76       |
| 44) trans-1,3-Dichloropropene | 8.183   | 75    | 2674     | 0.697    | ug/L   | 91       |
| 48) 2-Hexanone                | 8.681   | 43    | 28113    | 7.321    | ug/L # | 87       |
| 60) 1,2,3-Trichloropropane    | 11.813  | 75    | 12762    | 3.579    | ug/L # | 62       |
| -----                         |         |       |          |          |        |          |

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

Quant Time: Sep 08 22:56:32 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM090222WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 08 22:51:50 2022  
Response via : Initial Calibration





#10

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

Concen: 0.610 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.012 min

Lab File: VU050689.D

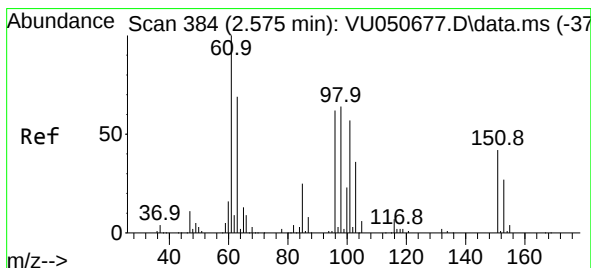
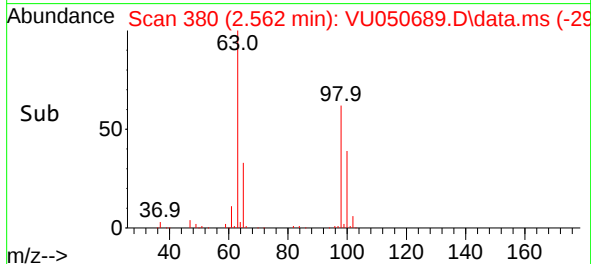
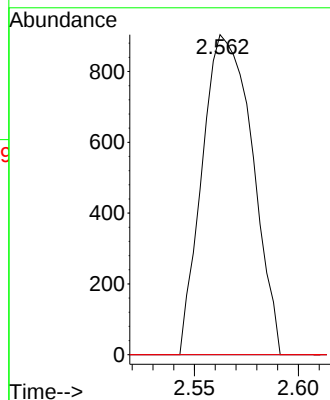
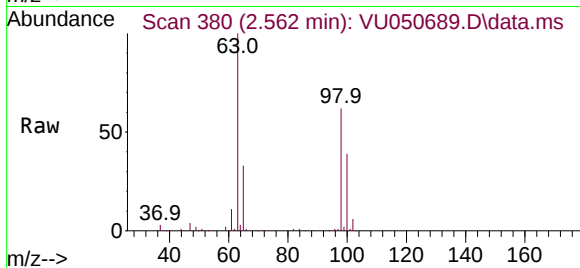
Acq: 08 Sep 2022 16:50

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion:101 Resp: 1516  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.4 51.6#  
 151 0.0 57.7 86.5#



#12

1,1-Dichloroethene

Concen: 0.411 ug/L

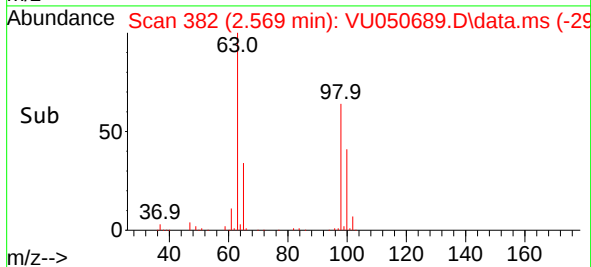
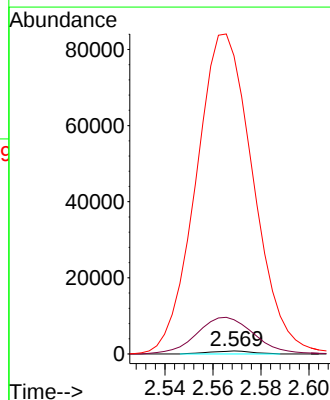
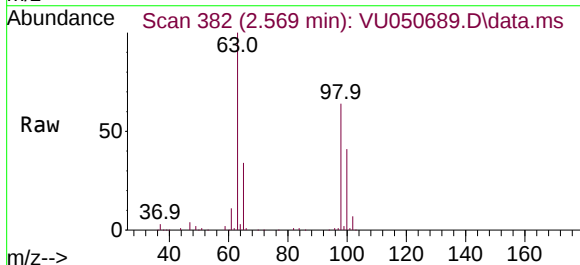
RT: 2.569 min Scan# 382

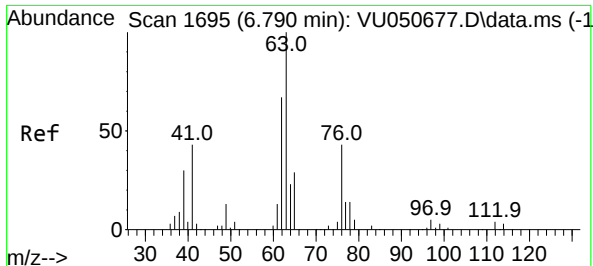
Delta R.T. -0.006 min

Lab File: VU050689.D

Acq: 08 Sep 2022 16:50

Tgt Ion: 96 Resp: 994  
 Ion Ratio Lower Upper  
 96 100  
 61 1132.7 118.0 219.1#  
 63 9866.0 79.5 147.7#





#37

1,2-Dichloropropane

Concen: 5.109 ug/L

RT: 6.691 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU050689.D

Acq: 08 Sep 2022 16:50

Instrument :

MSVOA\_U

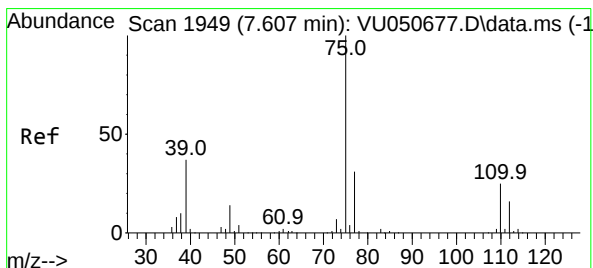
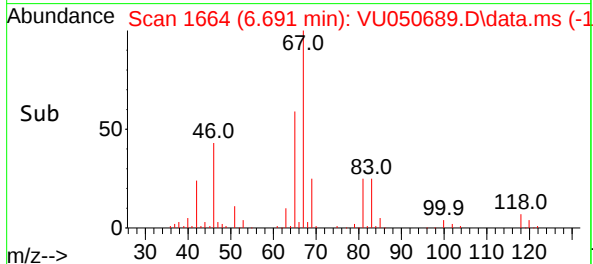
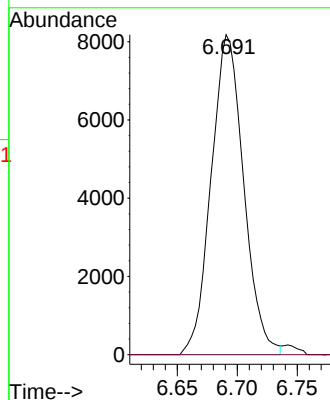
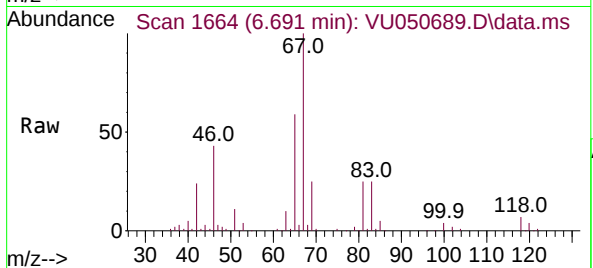
ClientSampleId :

Tgt Ion: 63 Resp: 15427

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



#39

cis-1,3-Dichloropropene

Concen: 0.997 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.041 min

Lab File: VU050689.D

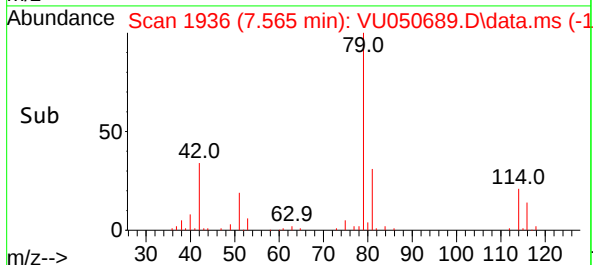
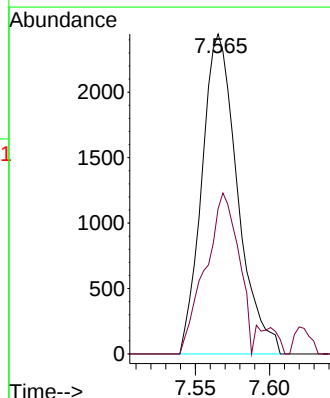
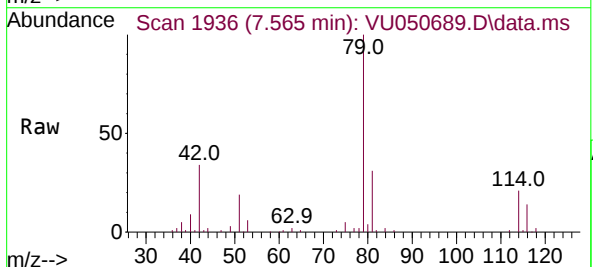
Acq: 08 Sep 2022 16:50

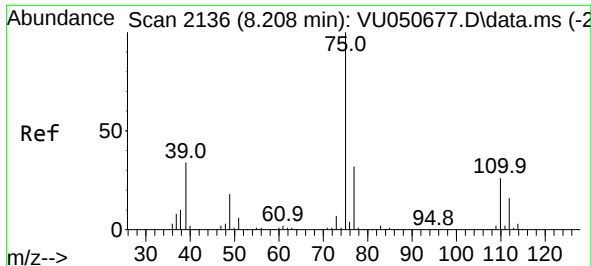
Tgt Ion: 75 Resp: 4077

Ion Ratio Lower Upper

75 100

77 45.5 22.5 41.7#

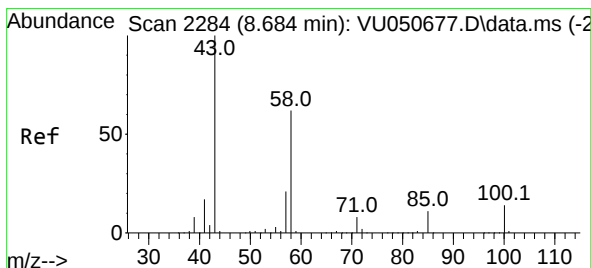
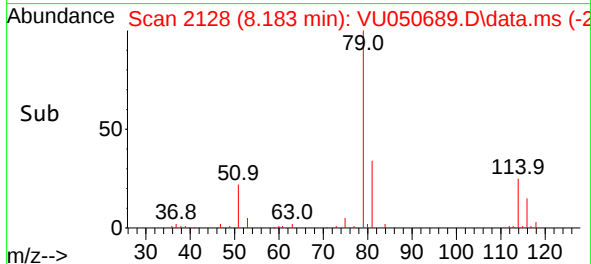
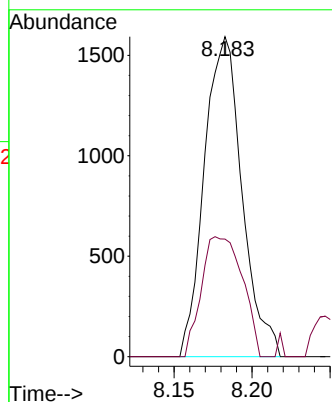
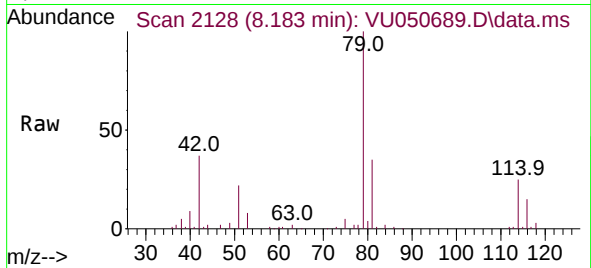




#44  
trans-1,3-Dichloropropene  
Concen: 0.697 ug/L  
RT: 8.183 min Scan# 2136  
Delta R.T. -0.025 min  
Lab File: VU050689.D  
Acq: 08 Sep 2022 16:50

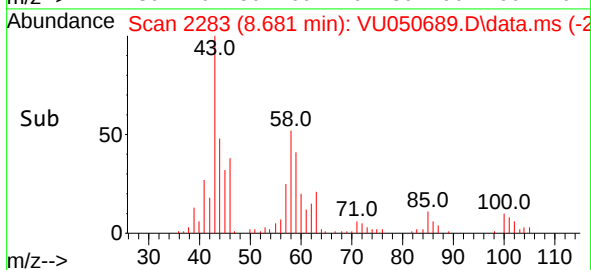
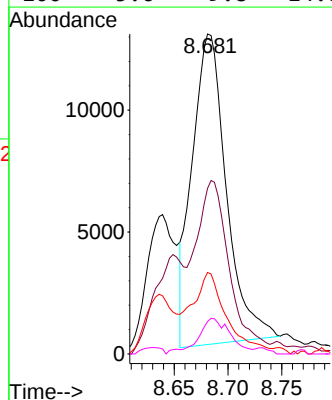
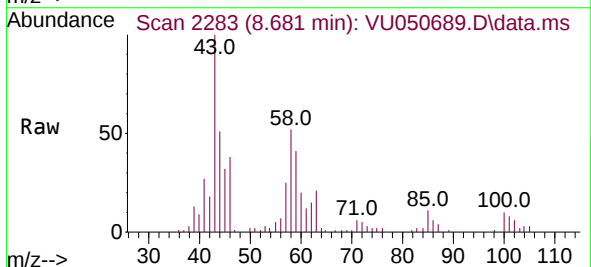
Instrument :  
MSVOA\_U  
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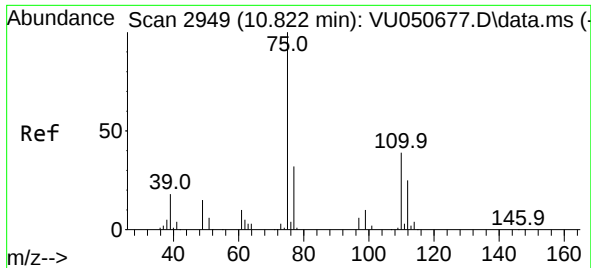
Tgt Ion: 75 Resp: 2674  
Ion Ratio Lower Upper  
75 100  
77 36.7 22.1 41.1



#48  
2-Hexanone  
Concen: 7.321 ug/L  
RT: 8.681 min Scan# 2283  
Delta R.T. -0.003 min  
Lab File: VU050689.D  
Acq: 08 Sep 2022 16:50

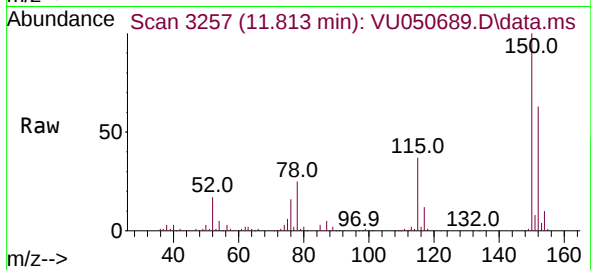
Tgt Ion: 43 Resp: 28113  
Ion Ratio Lower Upper  
43 100  
58 51.7 51.8 77.6#  
57 21.5 17.0 25.4  
100 5.6 9.8 14.8#





#60  
 1,2,3-Trichloropropane  
 Concen: 3.579 ug/L  
 RT: 11.813 min Scan# 31  
 Delta R.T. 0.991 min  
 Lab File: VU050689.D  
 Acq: 08 Sep 2022 16:50

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12762 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 39.1  | 25.8  | 38.8# |
| 110      | 0.8   | 29.3  | 43.9# |

