

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040424\  
 Data File : VU058400.D  
 Acq On : 05 Apr 2024 05:02  
 Operator : MD/SY  
 Sample : P1948-03  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 05 05:17:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 05 00:02:56 2024  
 Response via : Initial Calibration

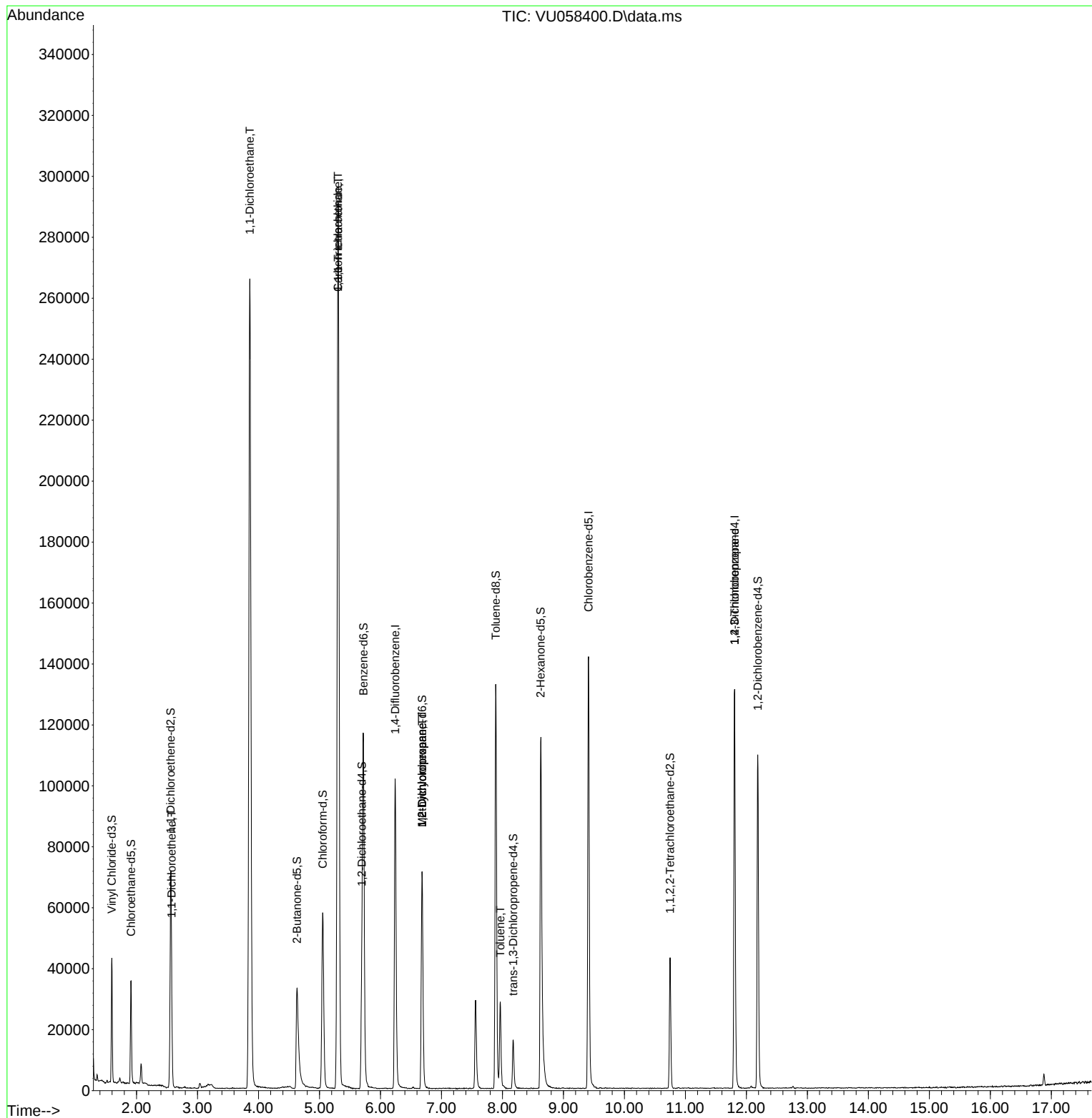
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 81116    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 78670    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 34509    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 26669    | 4.966    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.400%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 23355    | 5.004    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.000% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 12270    | 5.048    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 101.000% |
| 20) 2-Butanone-d5             | 4.631  | 46    | 60177    | 53.171   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.340% |
| 24) Chloroform-d              | 5.055  | 84    | 53624    | 5.002    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.000% |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 25960    | 5.189    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.800% |
| 32) Benzene-d6                | 5.721  | 84    | 108077   | 5.103    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.000% |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 34226    | 5.153    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.000% |
| 41) Toluene-d8                | 7.891  | 98    | 89908    | 4.787    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 9746     | 4.727    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.600%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 40043    | 47.087   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.180%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 21908    | 4.672    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 28069    | 4.829    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 4241     | 0.738    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 312396   | 23.755   | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97    | 203639   | 19.307   | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.306  | 117   | 25348    | 2.838    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.682  | 83    | 7361     | 0.680    | ug/L # | 16       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 3918     | 0.522    | ug/L # | 90       |
| 42) Toluene                   | 7.965  | 91    | 20626    | 0.690    | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 4679     | 1.329    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

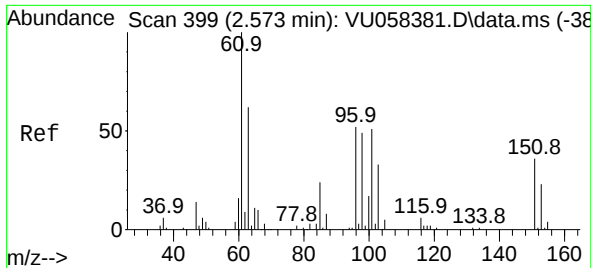
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Apr 05 00:02:56 2024  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.738 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU058400.D

Acq: 05 Apr 2024 05:02

Instrument :

MSVOA\_U

ClientSampleId :

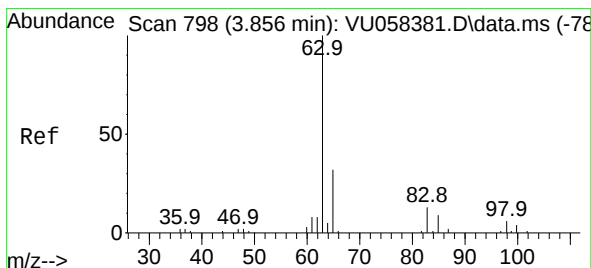
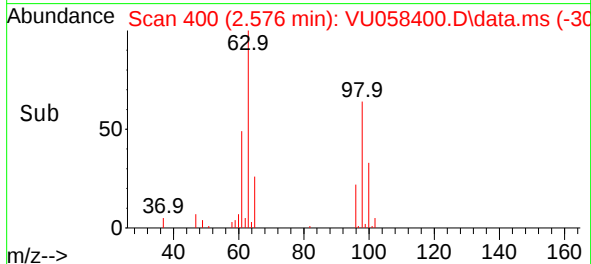
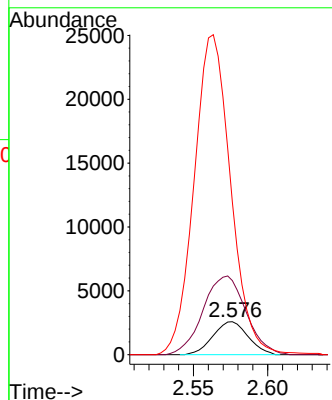
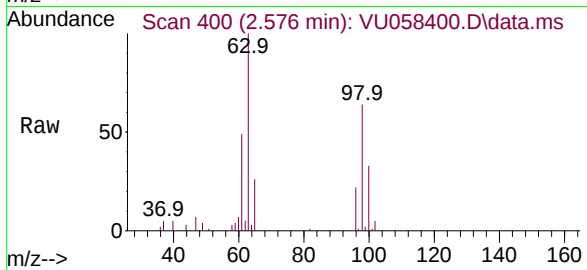
Tgt Ion: 96 Resp: 4241

Ion Ratio Lower Upper

96 100

61 212.0 132.5 246.1

63 436.9 87.7 162.9#



#19

1,1-Dichloroethane

Concen: 23.755 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.003 min

Lab File: VU058400.D

Acq: 05 Apr 2024 05:02

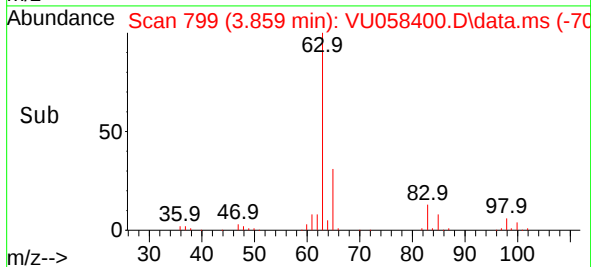
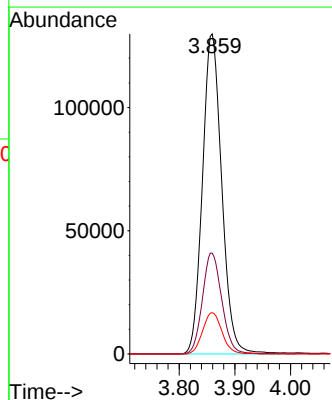
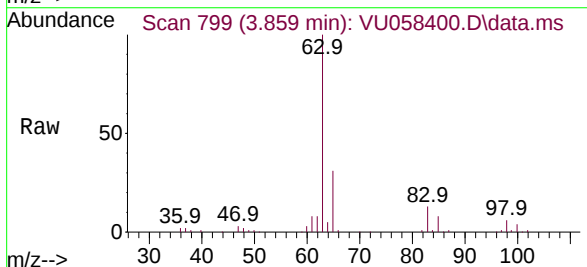
Tgt Ion: 63 Resp: 312396

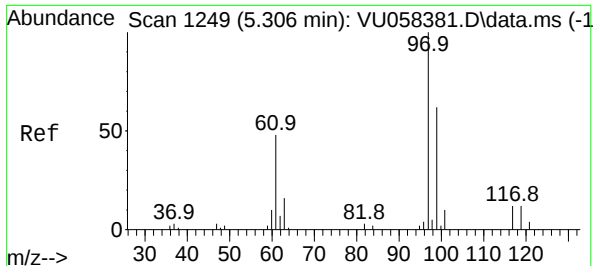
Ion Ratio Lower Upper

63 100

65 31.5 22.9 42.5

83 12.9 9.6 17.8

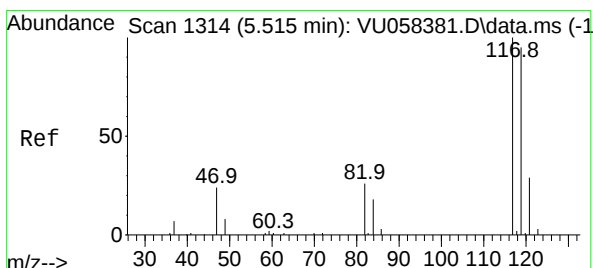
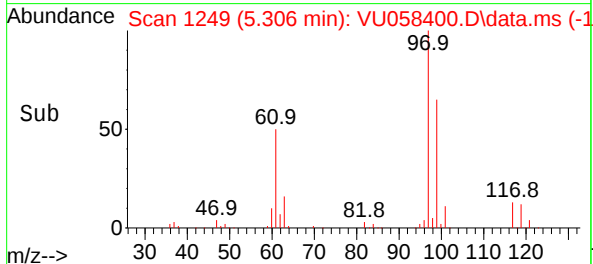
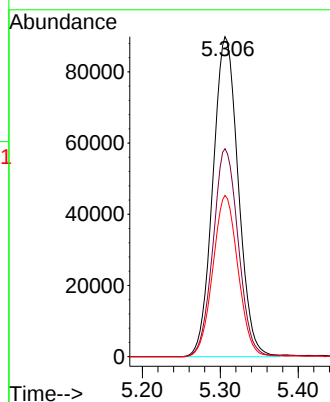
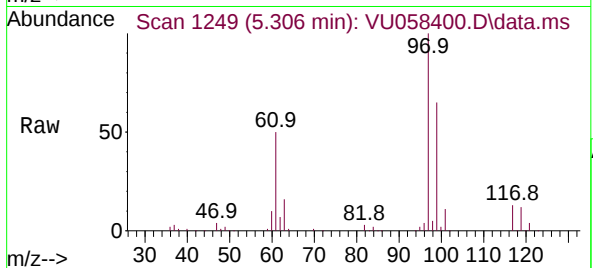




#29  
1,1,1-Trichloroethane  
Concen: 19.307 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. -0.000 min  
Lab File: VU058400.D  
Acq: 05 Apr 2024 05:02

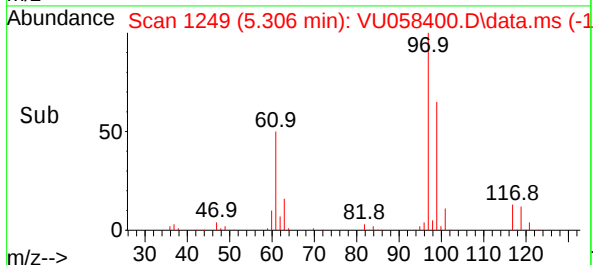
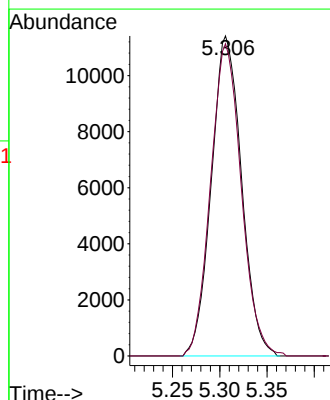
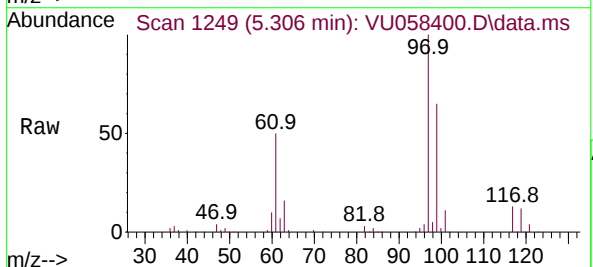
Instrument :  
MSVOA\_U  
ClientSampleId :

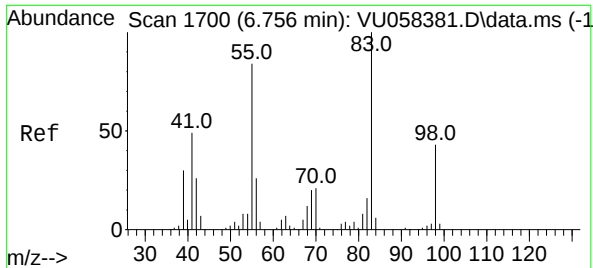
Tgt Ion: 97 Resp: 203639  
Ion Ratio Lower Upper  
97 100  
99 64.8 50.4 75.6  
61 50.0 39.4 59.0



#31  
Carbon tetrachloride  
Concen: 2.838 ug/L  
RT: 5.306 min Scan# 1249  
Delta R.T. -0.209 min  
Lab File: VU058400.D  
Acq: 05 Apr 2024 05:02

Tgt Ion: 117 Resp: 25348  
Ion Ratio Lower Upper  
117 100  
119 99.1 76.7 115.1





#35

Methylcyclohexane

Concen: 0.680 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU058400.D

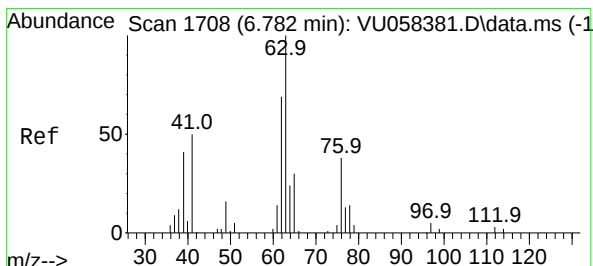
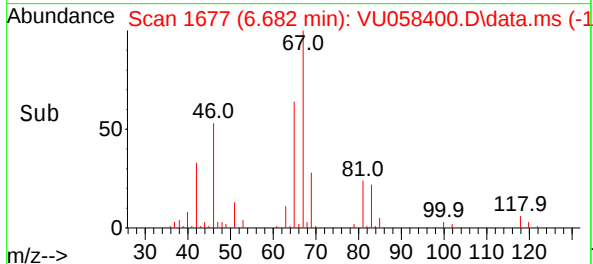
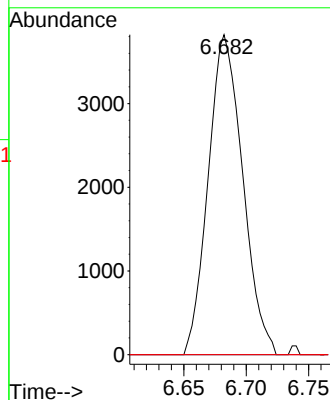
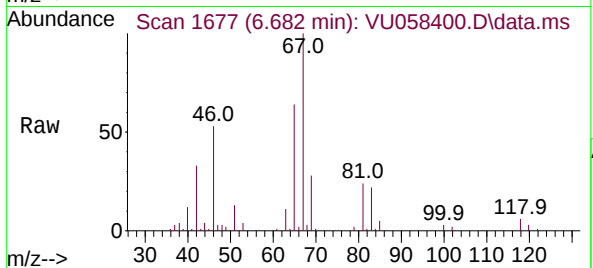
Acq: 05 Apr 2024 05:02

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |       |
|-------------|-------|-------|
| Tgt Ion: 83 | Resp: | 7361  |
| Ion Ratio   | Lower | Upper |
| 83          | 100   |       |
| 55          | 0.0   | 66.2  |
| 98          | 0.0   | 34.6  |



#37

1,2-Dichloropropane

Concen: 0.522 ug/L

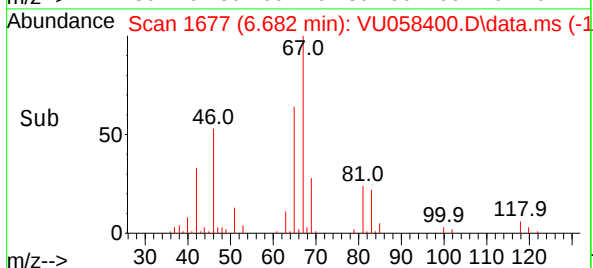
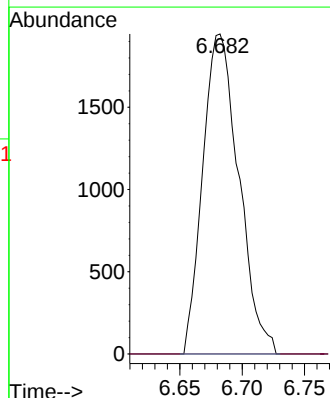
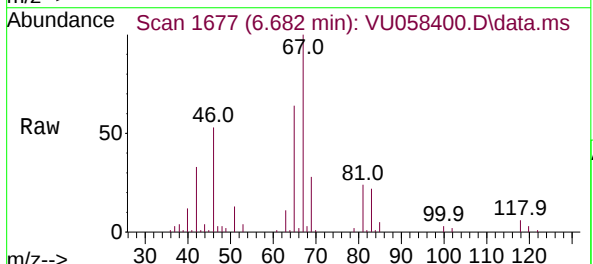
RT: 6.682 min Scan# 1677

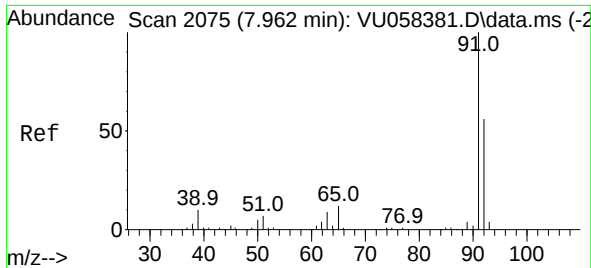
Delta R.T. -0.100 min

Lab File: VU058400.D

Acq: 05 Apr 2024 05:02

|             |       |       |
|-------------|-------|-------|
| Tgt Ion: 63 | Resp: | 3918  |
| Ion Ratio   | Lower | Upper |
| 63          | 100   |       |
| 112         | 0.0   | 2.6   |





#42

Toluene

Concen: 0.690 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU058400.D

Acq: 05 Apr 2024 05:02

Instrument :

MSVOA\_U

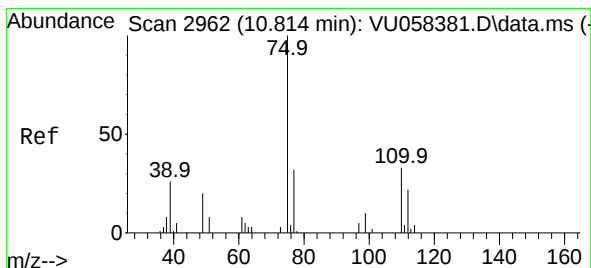
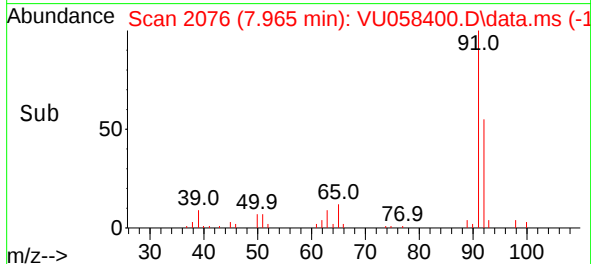
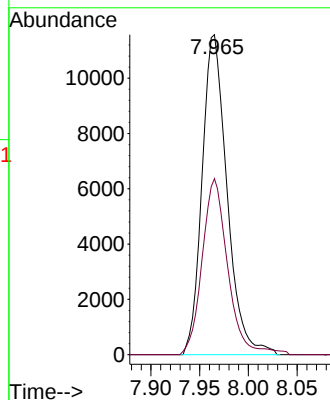
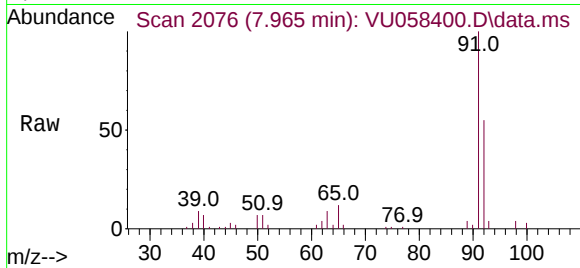
ClientSampleId :

Tgt Ion: 91 Resp: 20626

Ion Ratio Lower Upper

91 100

92 55.0 39.5 73.3



#61

1,2,3-Trichloropropane

Concen: 1.329 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.993 min

Lab File: VU058400.D

Acq: 05 Apr 2024 05:02

Tgt Ion: 75 Resp: 4679

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6

77 28.1 25.1 37.7

