

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071724\  
 Data File : VU060000.D  
 Acq On : 17 Jul 2024 17:41  
 Operator : MD/SY  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 18 02:50:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM070224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 18 02:31:59 2024  
 Response via : Initial Calibration

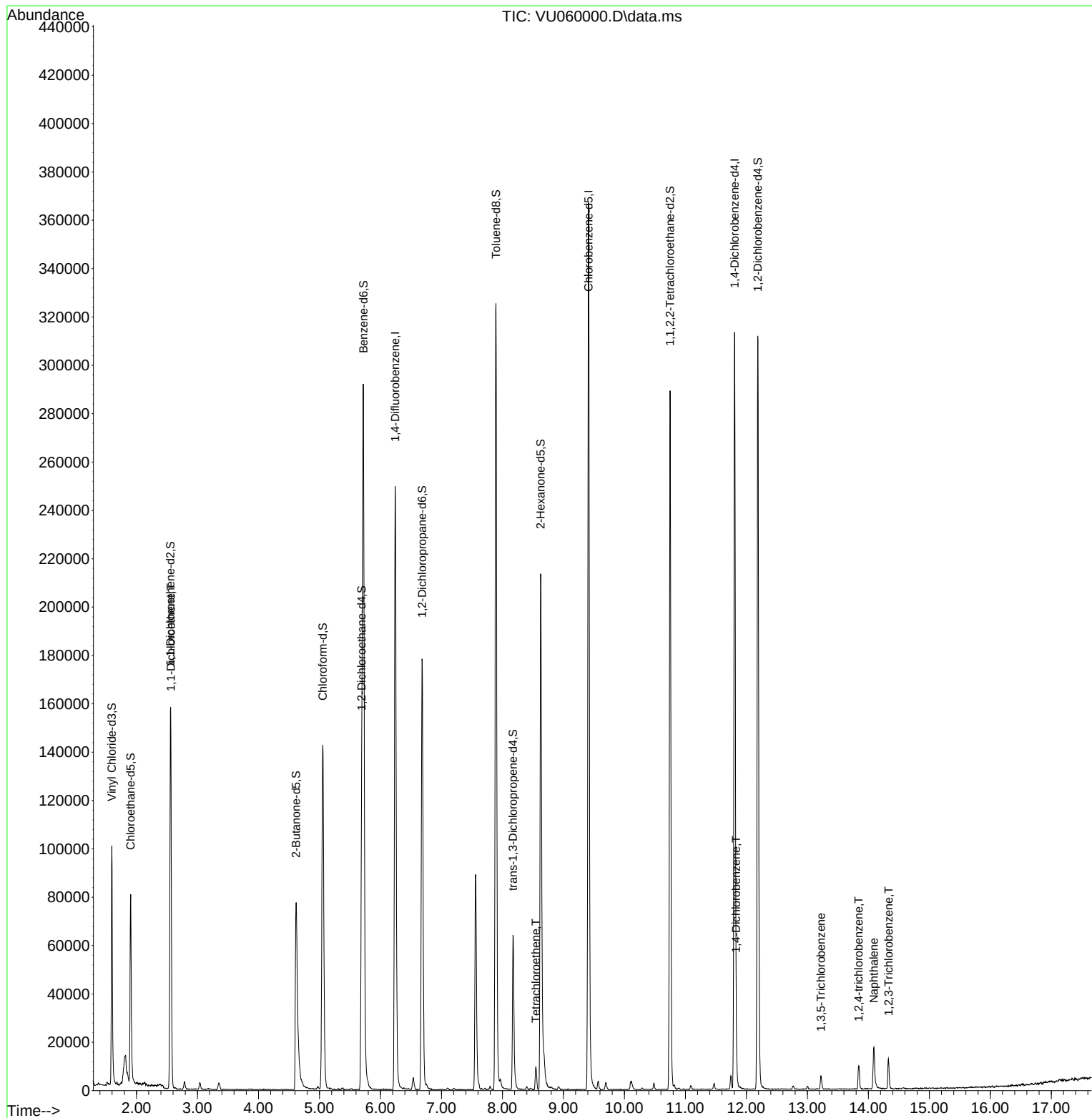
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242   | 114   | 217035   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412   | 117   | 217028   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807  | 152   | 93579    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595   | 65    | 75924    | 54.484   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 108.960% |
| 7) Chloroethane-d5            | 1.904   | 69    | 64788    | 55.274   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 110.540% |
| 11) 1,1-Dichloroethene-d2     | 2.557   | 63    | 91774    | 37.071   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.140%  |
| 21) 2-Butanone-d5             | 4.618   | 46    | 118715   | 122.584  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 122.580% |
| 24) Chloroform-d              | 5.055   | 84    | 138149   | 51.193   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.380% |
| 26) 1,2-Dichloroethane-d4     | 5.692   | 65    | 85972    | 53.580   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.160% |
| 32) Benzene-d6                | 5.721   | 84    | 283301   | 50.977   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.960% |
| 36) 1,2-Dichloropropane-d6    | 6.685   | 67    | 91052    | 52.936   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.880% |
| 41) Toluene-d8                | 7.894   | 98    | 237119   | 44.866   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.740%  |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 38270    | 47.549   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.100%  |
| 47) 2-Hexanone-d5             | 8.627   | 63    | 74488    | 102.758  | ug/L   | -0.01    |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 102.760% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749  | 84    | 148479   | 56.242   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 112.480% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187  | 152   | 90964    | 52.898   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.800% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.563   | 96    | 1490     | 1.158    | ug/L # | 1        |
| 46) Tetrachloroethene         | 8.550   | 164   | 2542     | 1.976    | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 11.833  | 146   | 3338     | 1.141    | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.222  | 180   | 2561     | 1.256    | ug/L # | 89       |
| 70) 1,2,4-trichlorobenzene    | 13.843  | 180   | 4222     | 2.297    | ug/L   | 94       |
| 71) Naphthalene               | 14.090  | 128   | 17420    | 3.279    | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.331  | 180   | 4675     | 2.535    | ug/L   | 97       |
| -----                         |         |       |          |          |        |          |

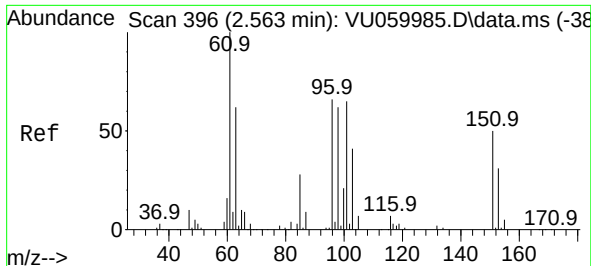
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 18 02:31:59 2024  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.158 ug/L

RT: 2.563 min Scan# 396

Delta R.T. 0.000 min

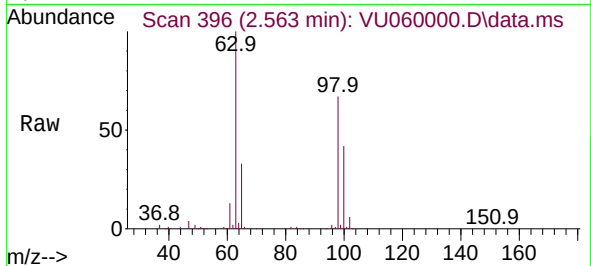
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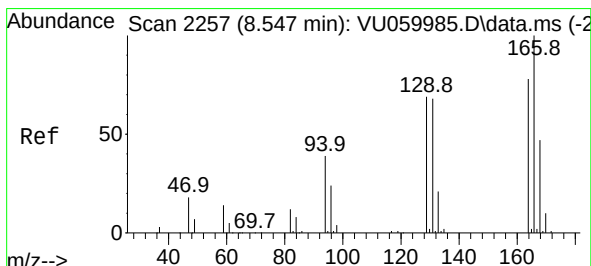
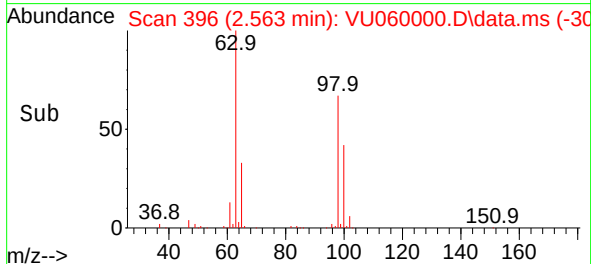
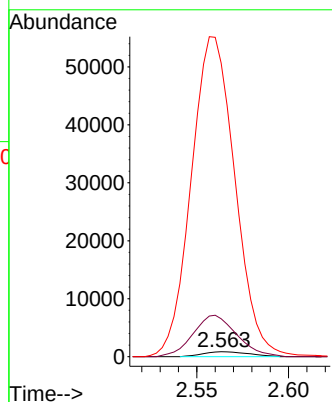
Instrument :

MSVOA\_U

ClientSampleId :



|           |        |       |        |
|-----------|--------|-------|--------|
| Tgt Ion:  | 96     | Resp: | 1490   |
| Ion Ratio | Lower  | Upper |        |
| 96        | 100    |       |        |
| 61        | 765.1  | 112.2 | 208.4# |
| 63        | 5933.5 | 87.4  | 162.2# |



#46

Tetrachloroethene

Concen: 1.976 ug/L

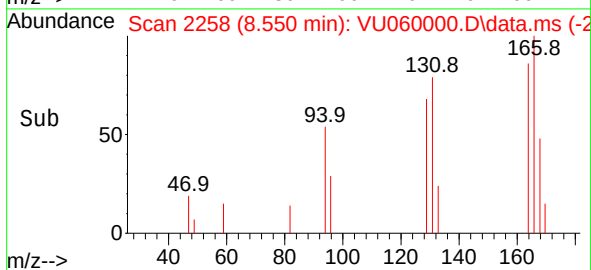
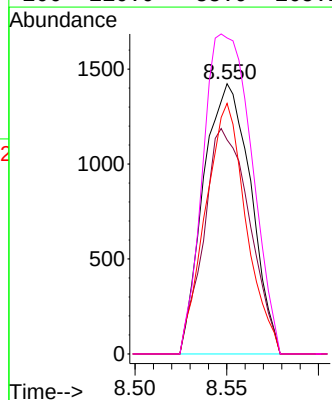
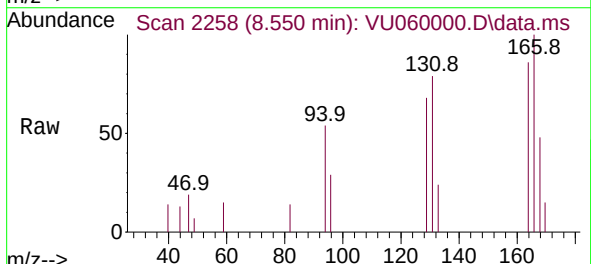
RT: 8.550 min Scan# 2258

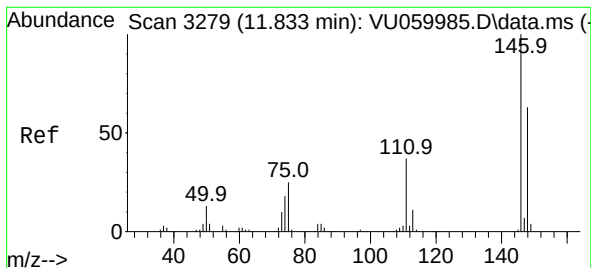
Delta R.T. 0.003 min

Lab File: VU060000.D

Acq: 17 Jul 2024 17:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 2542  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 129       | 79.2  | 62.7  | 116.5 |
| 131       | 92.7  | 62.3  | 115.7 |
| 166       | 116.9 | 88.9  | 165.1 |





#65

1,4-Dichlorobenzene

Concen: 1.141 ug/L

RT: 11.833 min Scan# 31

Delta R.T. 0.000 min

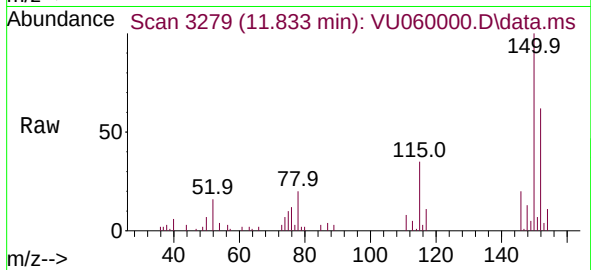
Lab File: VU060000.D

Acq: 17 Jul 2024 17:41

Instrument :

MSVOA\_U

ClientSampleId :



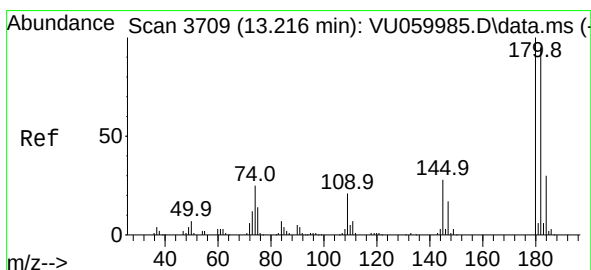
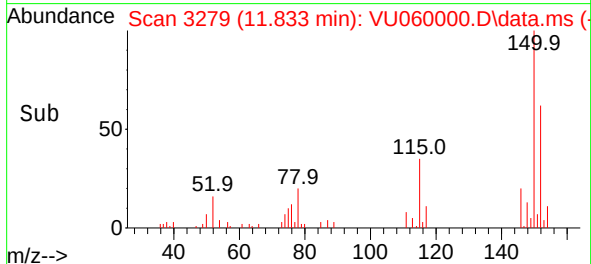
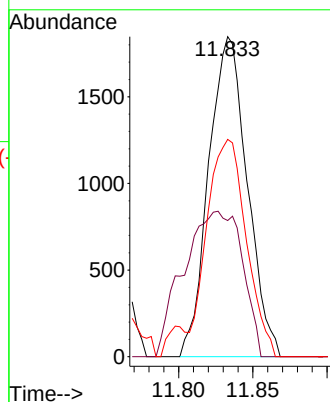
Tgt Ion:146 Resp: 3338

Ion Ratio Lower Upper

146 100

111 40.1 25.9 48.1

148 64.0 44.0 81.8



#69

1,3,5-Trichlorobenzene

Concen: 1.256 ug/L

RT: 13.222 min Scan# 3711

Delta R.T. 0.006 min

Lab File: VU060000.D

Acq: 17 Jul 2024 17:41

Tgt Ion:180 Resp: 2561

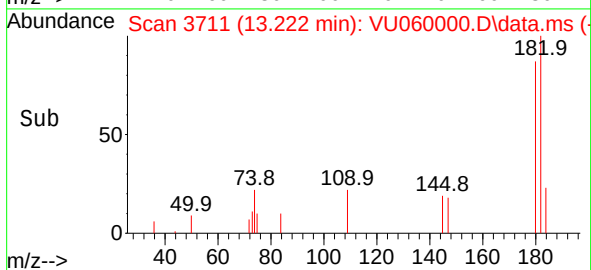
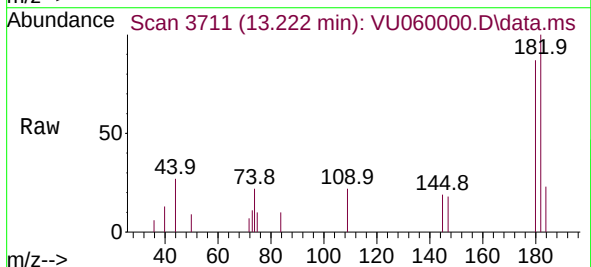
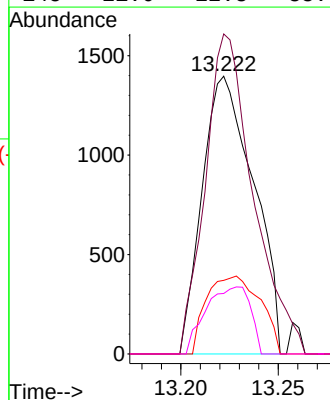
Ion Ratio Lower Upper

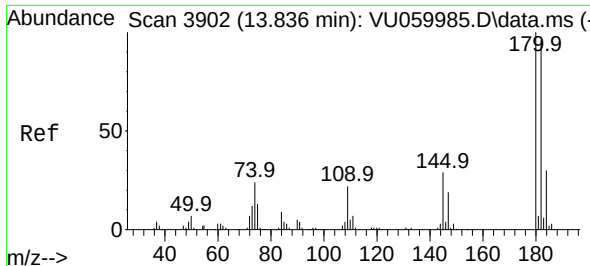
180 100

182 107.5 75.8 113.8

184 29.3 24.7 37.1

145 21.0 22.3 33.5#





#70

1,2,4-trichlorobenzene

Concen: 2.297 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.006 min

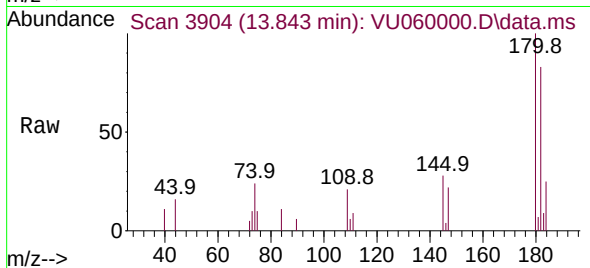
Lab File: VU060000.D

Acq: 17 Jul 2024 17:41

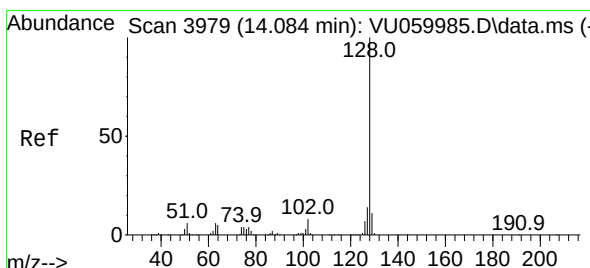
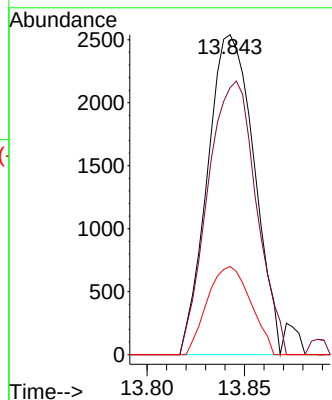
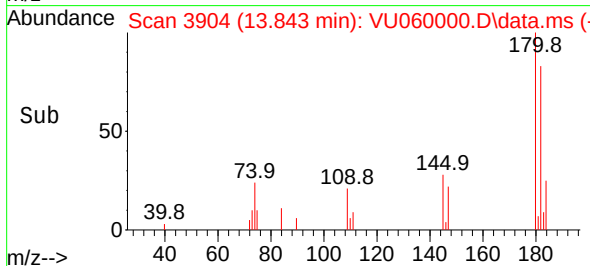
Instrument :

MSVOA\_U

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 4222  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 89.1  | 76.4  | 114.6 |
| 145       | 25.7  | 23.0  | 34.4  |



#71

Naphthalene

Concen: 3.279 ug/L

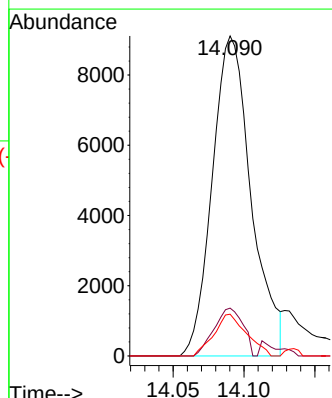
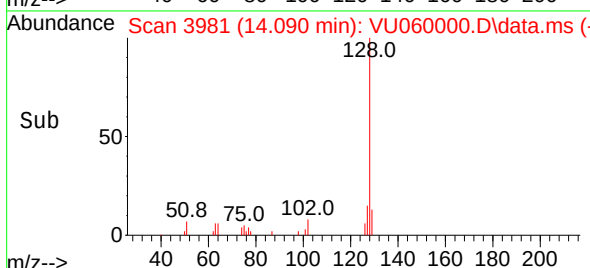
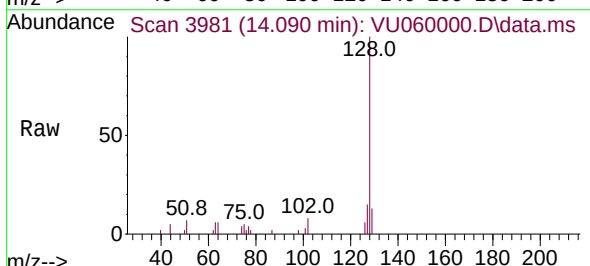
RT: 14.090 min Scan# 3981

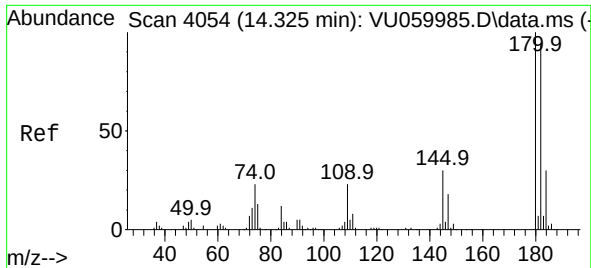
Delta R.T. 0.006 min

Lab File: VU060000.D

Acq: 17 Jul 2024 17:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 17420 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 11.1  | 10.4  | 15.6  |
| 129       | 10.9  | 8.6   | 13.0  |





#72

1,2,3-Trichlorobenzene

Concen: 2.535 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.006 min

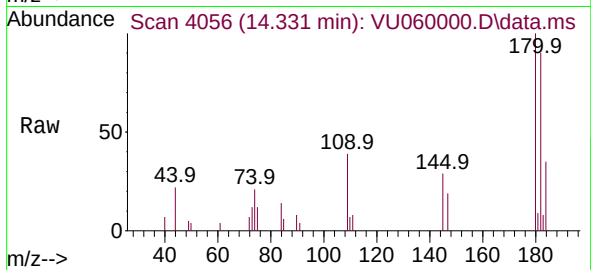
Lab File: VU060000.D

Acq: 17 Jul 2024 17:41

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 4675

Ion Ratio Lower Upper

180 100

182 98.1 75.8 113.8

145 28.6 24.5 36.7

