

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072624\  
 Data File : VU060227.D  
 Acq On : 26 Jul 2024 16:36  
 Operator : MD/SY  
 Sample : P3244-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 26 23:16:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 26 23:14:26 2024  
 Response via : Initial Calibration

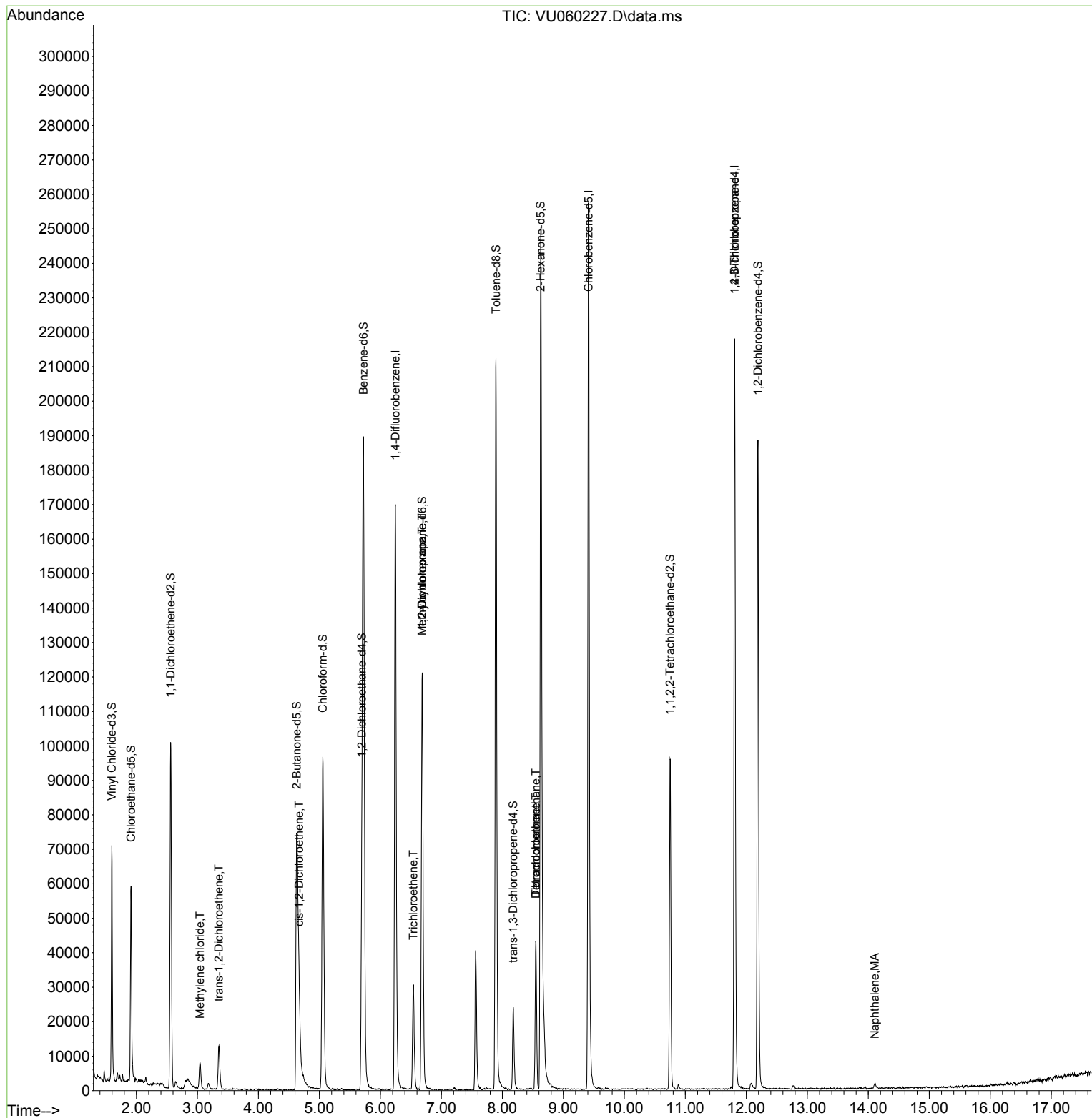
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 146427   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 152706   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 61536    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 48021    | 4.714  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 94.200%  |          |
| 7) Chloroethane-d5            | 1.911  | 69             | 43499    | 4.596  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 92.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65             | 18942    | 4.762  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 95.200%  |          |
| 20) 2-Butanone-d5             | 4.628  | 46             | 127292   | 53.442 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 106.880% |          |
| 24) Chloroform-d              | 5.055  | 84             | 93363    | 4.360  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 87.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 46622    | 4.676  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 93.600%  |          |
| 32) Benzene-d6                | 5.721  | 84             | 186923   | 4.569  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 91.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67             | 64490    | 4.947  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 99.000%  |          |
| 41) Toluene-d8                | 7.894  | 98             | 148920   | 4.028  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 80.600%  |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 15599    | 3.515  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 70.200%  |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 87663    | 44.514 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 89.020%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84             | 52144    | 4.494  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 89.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 54154    | 4.875  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 97.600%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
| 16) Methylene chloride        | 3.039  | 84             | 4296     | 0.314  | ug/L     | 97       |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96             | 5851     | 0.503  | ug/L     | 97       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96             | 6832     | 0.525  | ug/L     | 89       |
| 34) Trichloroethene           | 6.541  | 95             | 11258    | 0.841  | ug/L     | 87       |
| 35) Methylcyclohexane         | 6.682  | 83             | 13956    | 0.796  | ug/L #   | 22       |
| 37) 1,2-Dichloropropane       | 6.685  | 63             | 6534     | 0.479  | ug/L #   | 88       |
| 47) Tetrachloroethene         | 8.547  | 164            | 9965     | 0.901  | ug/L     | 88       |
| 49) Dibromochloromethane      | 8.550  | 129            | 10131    | 0.879  | ug/L #   | 10       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 7631     | 1.176  | ug/L #   | 66       |
| 71) Naphthalene               | 14.106 | 128            | 2568     | 0.146  | ug/L #   | 81       |
| -----                         |        |                |          |        |          |          |

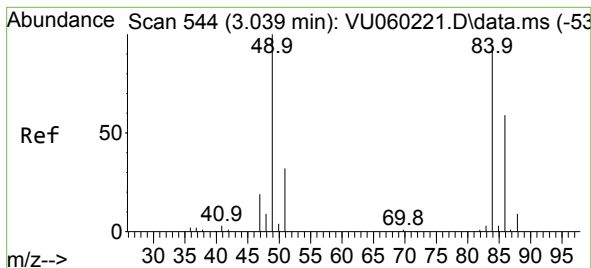
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 26 23:14:26 2024  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.314 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

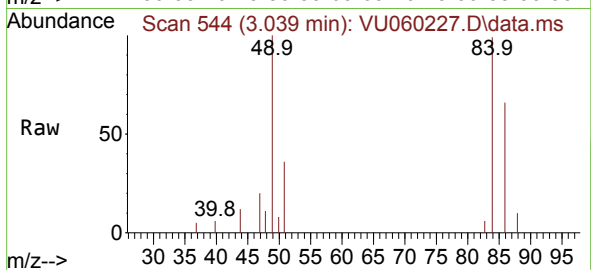
Lab File: VU060227.D

Acq: 26 Jul 2024 16:36

Instrument :

MSVOA\_U

ClientSampleId :



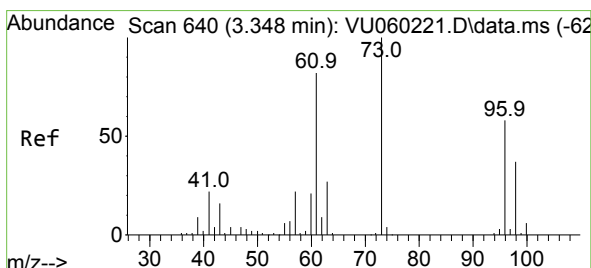
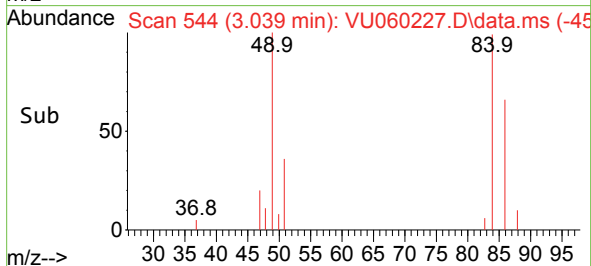
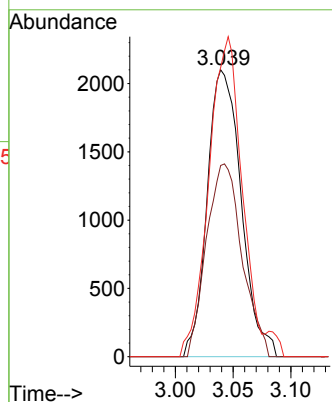
Tgt Ion: 84 Resp: 4296

Ion Ratio Lower Upper

84 100

86 66.6 44.4 82.5

49 100.8 72.0 133.6



#18

trans-1,2-Dichloroethene

Concen: 0.503 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU060227.D

Acq: 26 Jul 2024 16:36

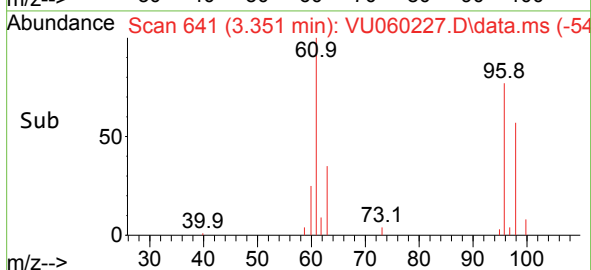
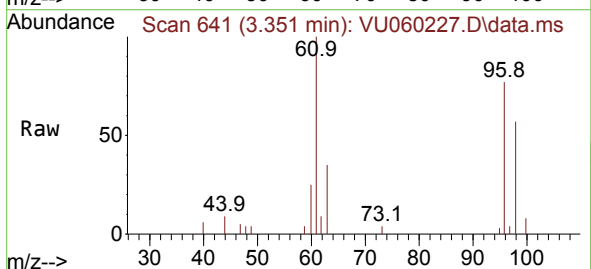
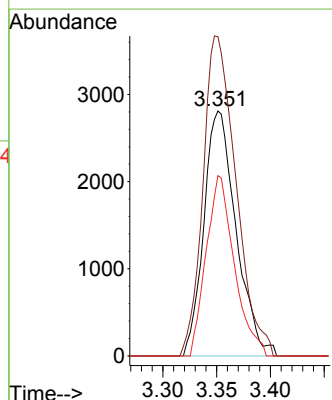
Tgt Ion: 96 Resp: 5851

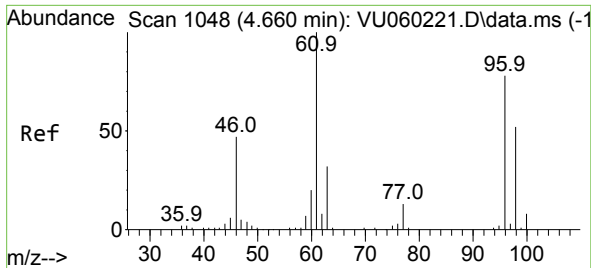
Ion Ratio Lower Upper

96 100

61 130.2 91.6 170.0

98 73.6 47.7 88.5

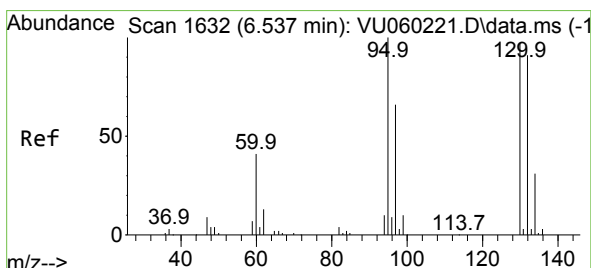
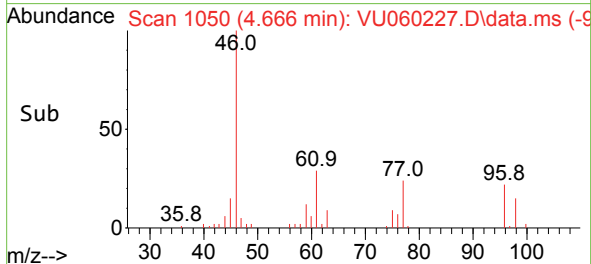
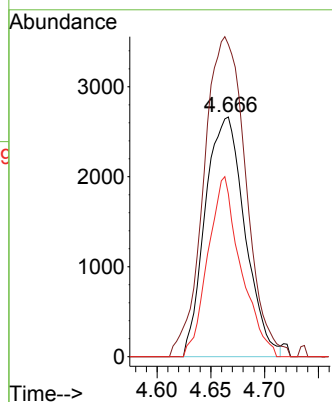
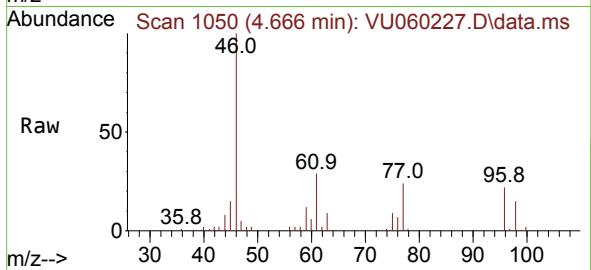




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.525 ug/L  
 RT: 4.666 min Scan# 1048  
 Delta R.T. 0.007 min  
 Lab File: VU060227.D  
 Acq: 26 Jul 2024 16:36

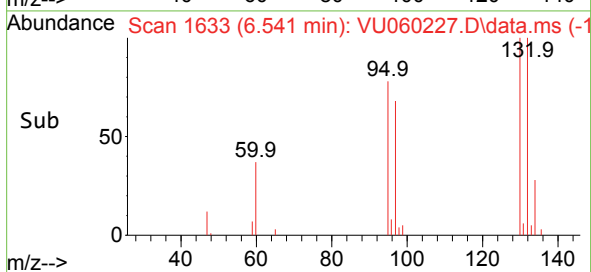
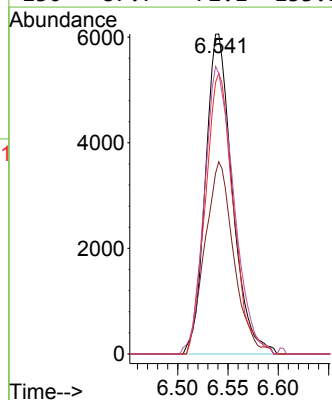
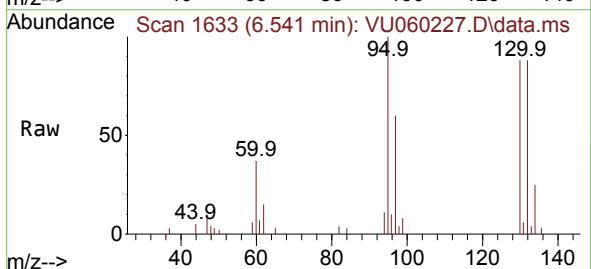
Instrument :  
 MSVOA\_U  
 ClientSampleId :

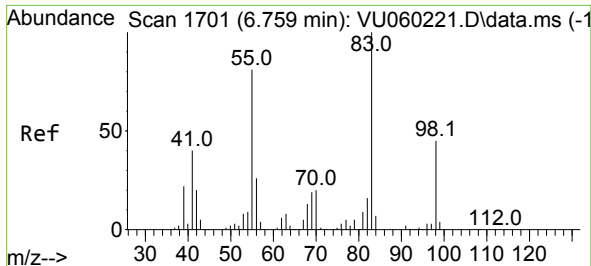
Tgt Ion: 96 Resp: 6832  
 Ion Ratio Lower Upper  
 96 100  
 61 130.2 80.2 148.9  
 98 67.9 44.7 83.1



#34  
 Trichloroethene  
 Concen: 0.841 ug/L  
 RT: 6.541 min Scan# 1633  
 Delta R.T. 0.003 min  
 Lab File: VU060227.D  
 Acq: 26 Jul 2024 16:36

Tgt Ion: 95 Resp: 11258  
 Ion Ratio Lower Upper  
 95 100  
 97 60.0 45.9 85.3  
 132 87.7 71.4 132.6  
 130 87.7 72.1 133.9

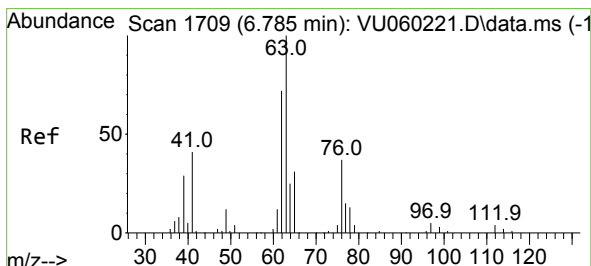
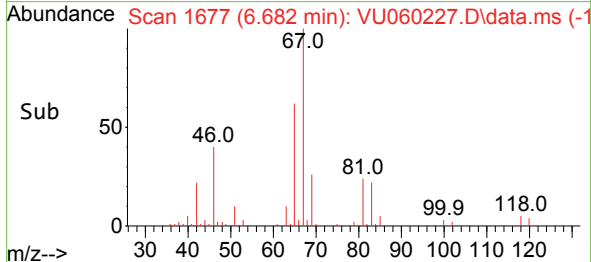
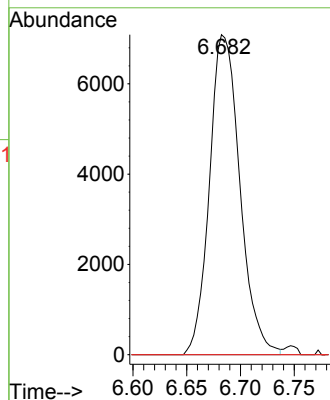
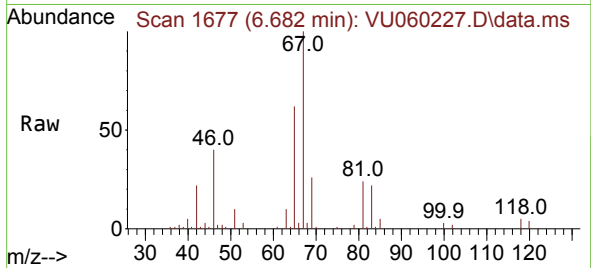




#35  
Methylcyclohexane  
Concen: 0.796 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.077 min  
Lab File: VU060227.D  
Acq: 26 Jul 2024 16:36

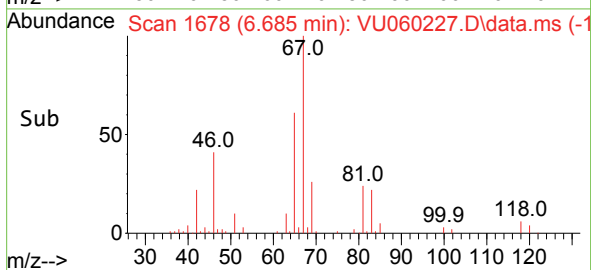
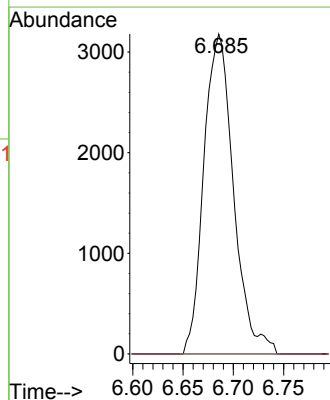
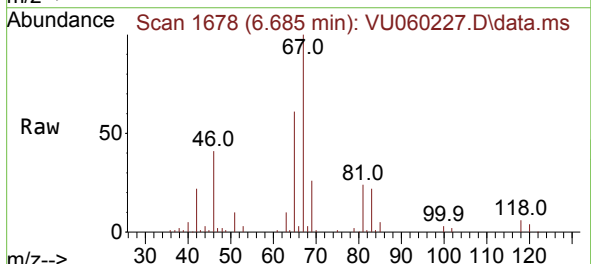
Instrument :  
MSVOA\_U  
ClientSampleId :

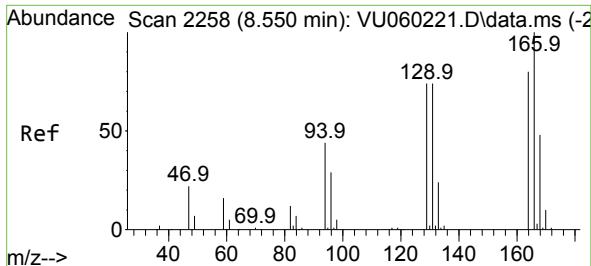
Tgt Ion: 83 Resp: 13956  
Ion Ratio Lower Upper  
83 100  
55 0.0 56.7 85.1#  
98 2.0 36.6 55.0#



#37  
1,2-Dichloropropane  
Concen: 0.479 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.100 min  
Lab File: VU060227.D  
Acq: 26 Jul 2024 16:36

Tgt Ion: 63 Resp: 6534  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#





#47

Tetrachloroethene

Concen: 0.901 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

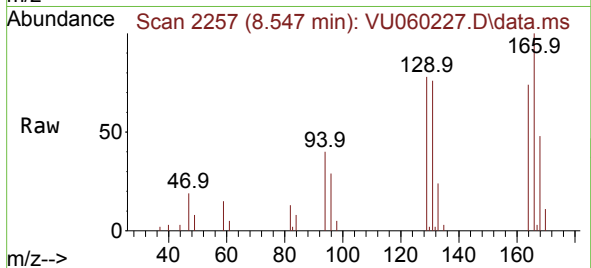
Lab File: VU060227.D

Acq: 26 Jul 2024 16:36

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:164 Resp: 9965

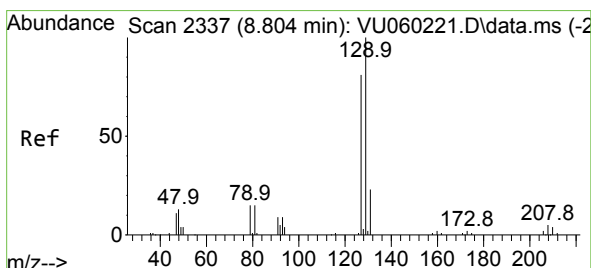
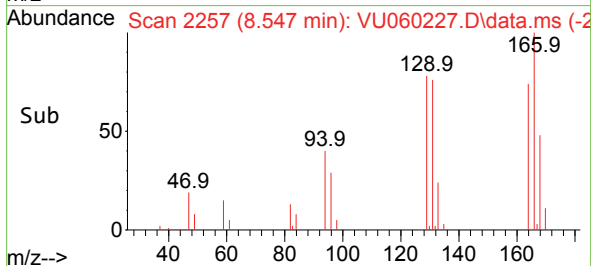
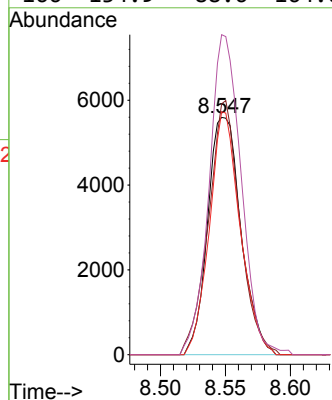
Ion Ratio Lower Upper

164 100

129 105.8 64.6 120.0

131 102.4 61.2 113.8

166 134.9 88.6 164.6



#49

Dibromochloromethane

Concen: 0.879 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.254 min

Lab File: VU060227.D

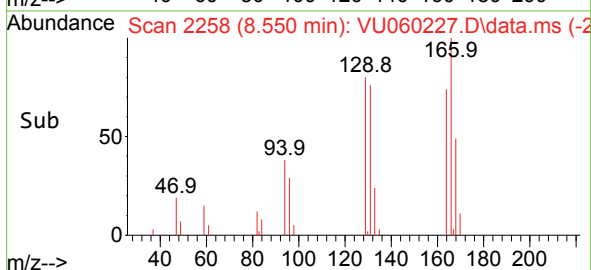
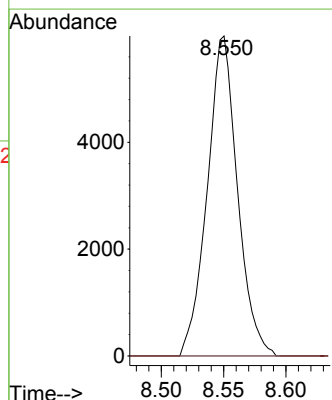
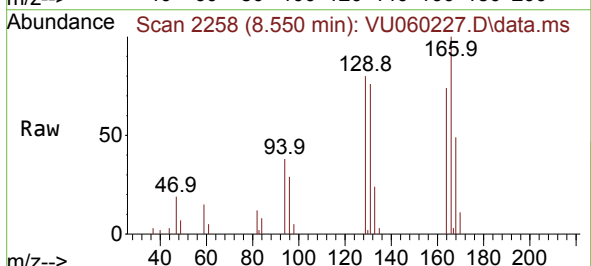
Acq: 26 Jul 2024 16:36

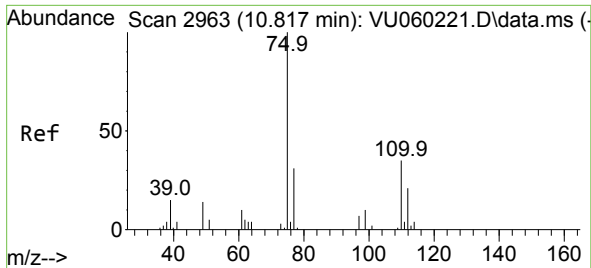
Tgt Ion:129 Resp: 10131

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#

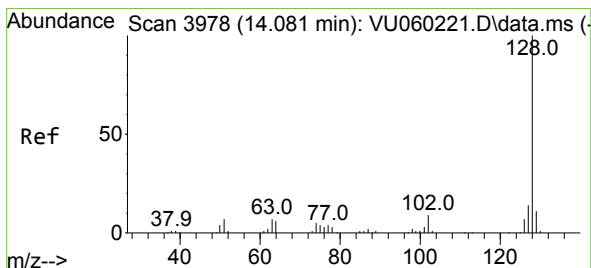
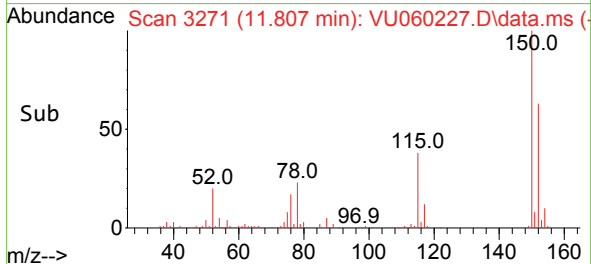
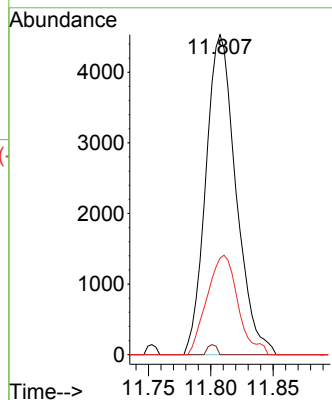
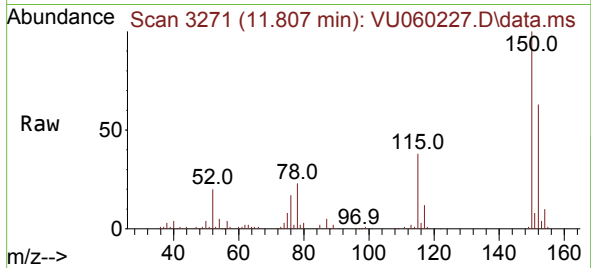




#61  
1,2,3-Trichloropropane  
Concen: 1.176 ug/L  
RT: 11.807 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU060227.D  
Acq: 26 Jul 2024 16:36

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 75 Resp: 7631  
Ion Ratio Lower Upper  
75 100  
110 0.9 30.8 46.2#  
77 31.9 26.2 39.2



#71  
Naphthalene  
Concen: 0.146 ug/L  
RT: 14.106 min Scan# 3986  
Delta R.T. 0.026 min  
Lab File: VU060227.D  
Acq: 26 Jul 2024 16:36

Tgt Ion: 128 Resp: 2568  
Ion Ratio Lower Upper  
128 100  
129 4.2 8.2 12.4#  
127 4.6 10.6 16.0#

