

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040924\  
 Data File : VU058506.D  
 Acq On : 09 Apr 2024 11:49  
 Operator : MD/SY  
 Sample : P2013-02 10X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 10 01:13:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 10 01:12:33 2024  
 Response via : Initial Calibration

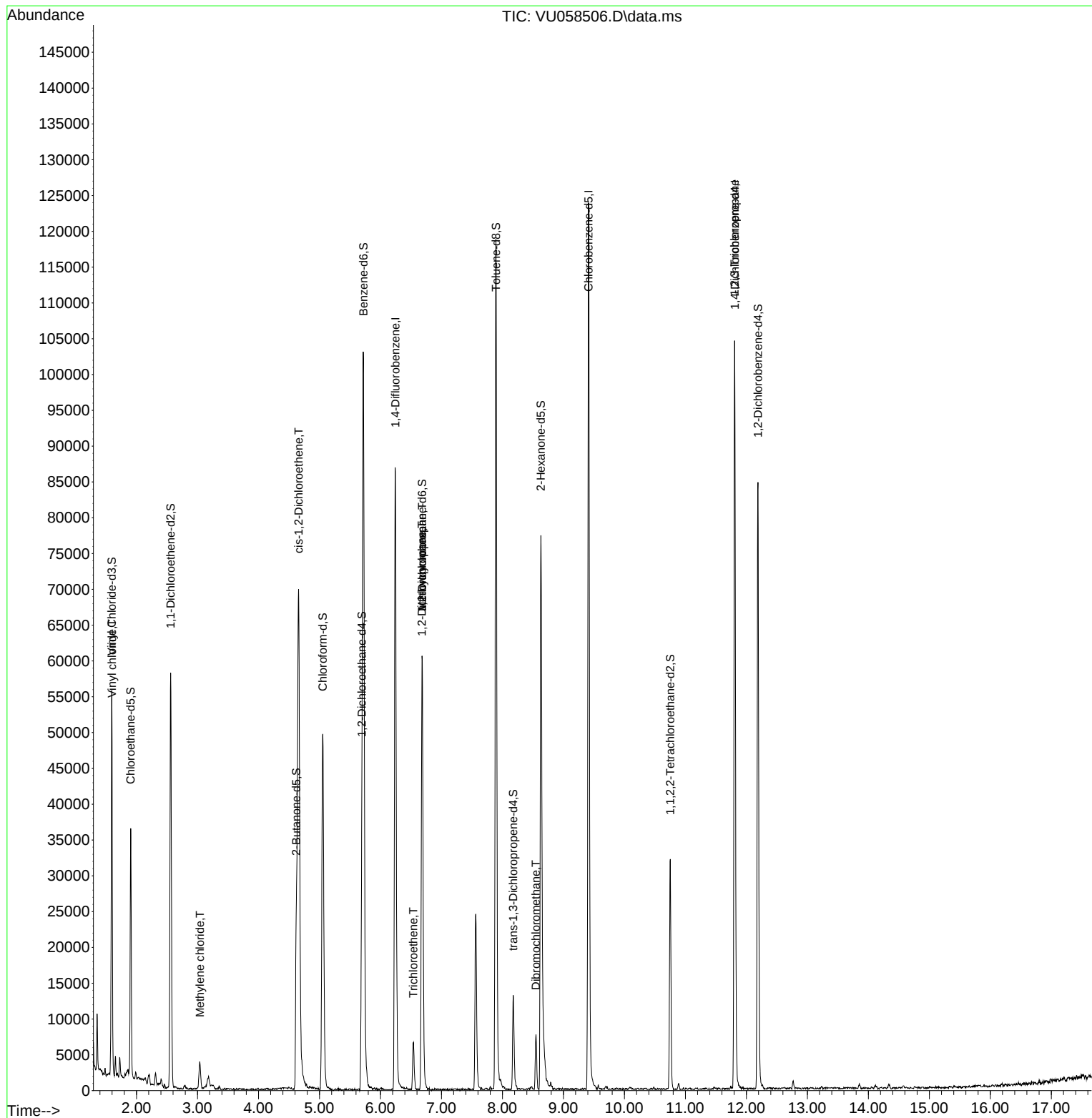
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 68602    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 66853    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152            | 28064    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65             | 25666    | 5.651  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 113.000% |          |
| 7) Chloroethane-d5            | 1.904  | 69             | 22449    | 5.687  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 113.800% |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65             | 11538    | 5.613  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 112.200% |          |
| 20) 2-Butanone-d5             | 4.621  | 46             | 38836    | 40.574 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 81.140%  |          |
| 24) Chloroform-d              | 5.052  | 84             | 47037    | 5.188  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 103.800% |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 22119    | 5.227  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 104.600% |          |
| 32) Benzene-d6                | 5.721  | 84             | 96670    | 5.371  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 107.400% |          |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67             | 28935    | 5.126  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 102.600% |          |
| 41) Toluene-d8                | 7.894  | 98             | 78696    | 4.930  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 98.600%  |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 8245     | 4.706  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 94.200%  |          |
| 46) 2-Hexanone-d5             | 8.630  | 63             | 26867    | 37.178 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 74.360%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 16639    | 4.176  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 83.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 22065    | 4.668  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 93.400%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 5) Vinyl chloride             | 1.599  | 62             | 10713    | 1.533  | ug/L     | 94       |
| 16) Methylene chloride        | 3.039  | 84             | 1780     | 0.276  | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96             | 32906    | 5.751  | ug/L     | 96       |
| 34) Trichloroethene           | 6.541  | 95             | 2419     | 0.396  | ug/L     | 95       |
| 35) Methylcyclohexane         | 6.682  | 83             | 6002     | 0.652  | ug/L #   | 18       |
| 37) 1,2-Dichloropropane       | 6.679  | 63             | 3297     | 0.517  | ug/L #   | 90       |
| 49) Dibromochloromethane      | 8.550  | 129            | 1648     | 0.383  | ug/L #   | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 4109     | 1.435  | ug/L #   | 69       |
| -----                         |        |                |          |        |          |          |

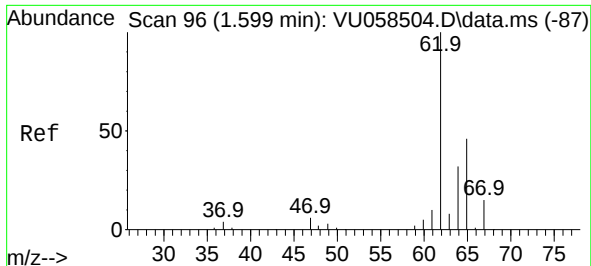
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
ClientSampleId :

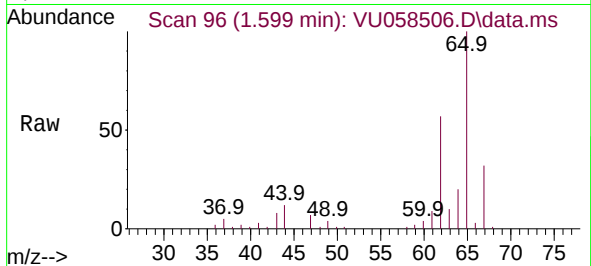
Quant Time: Apr 10 01:13:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Apr 10 01:12:33 2024  
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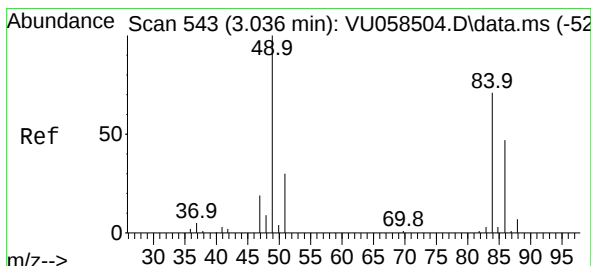
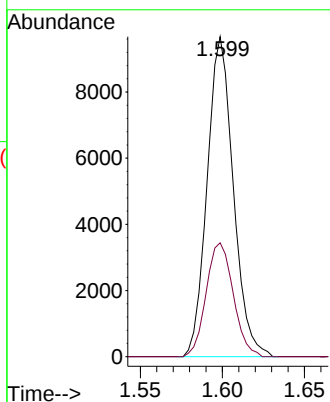
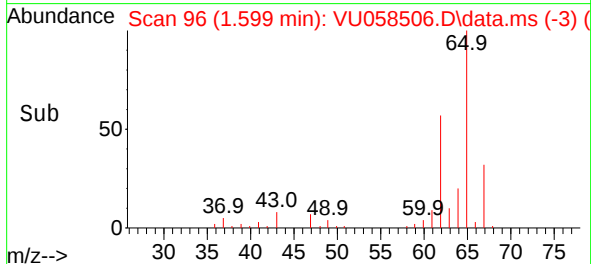


#5  
 Vinyl chloride  
 Concen: 1.533 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. -0.000 min  
 Lab File: VU058506.D  
 Acq: 09 Apr 2024 11:49

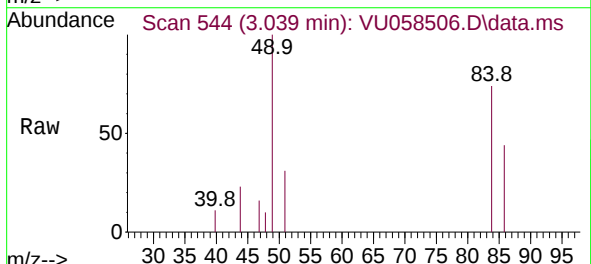
Instrument :  
 MSVOA\_U  
 ClientSampleId :



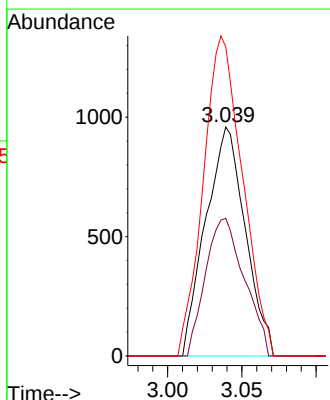
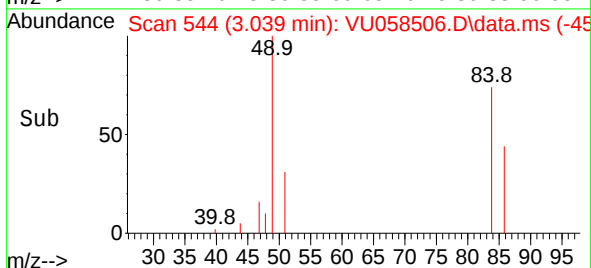
Tgt Ion: 62 Resp: 10713  
 Ion Ratio Lower Upper  
 62 100  
 64 35.6 22.6 42.0

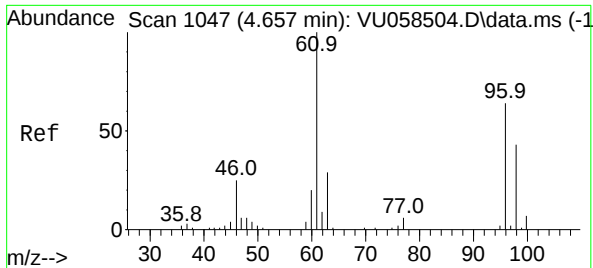


#16  
 Methylene chloride  
 Concen: 0.276 ug/L  
 RT: 3.039 min Scan# 544  
 Delta R.T. 0.003 min  
 Lab File: VU058506.D  
 Acq: 09 Apr 2024 11:49



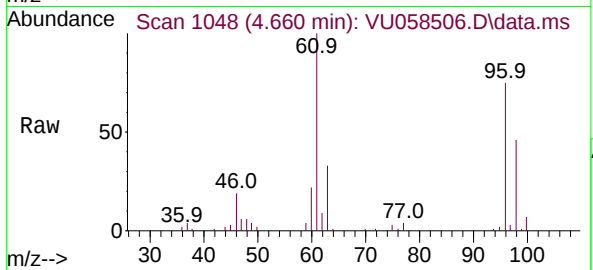
Tgt Ion: 84 Resp: 1780  
 Ion Ratio Lower Upper  
 84 100  
 86 60.1 44.3 82.3  
 49 135.0 96.0 178.2





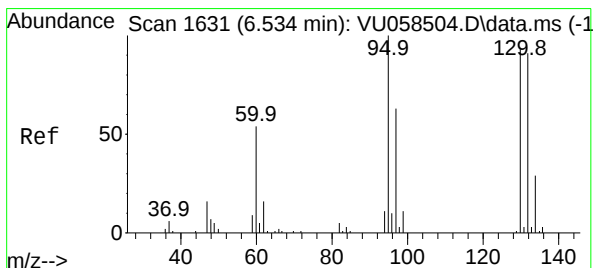
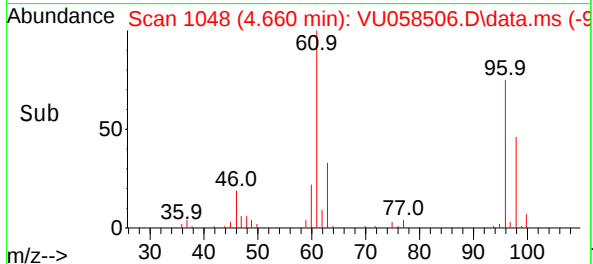
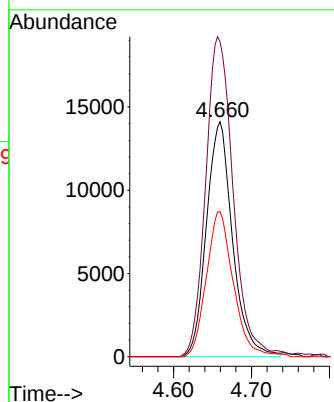
#22  
 cis-1,2-Dichloroethene  
 Concen: 5.751 ug/L  
 RT: 4.660 min Scan# 1047  
 Delta R.T. 0.003 min  
 Lab File: VU058506.D  
 Acq: 09 Apr 2024 11:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 96 Resp: 32906

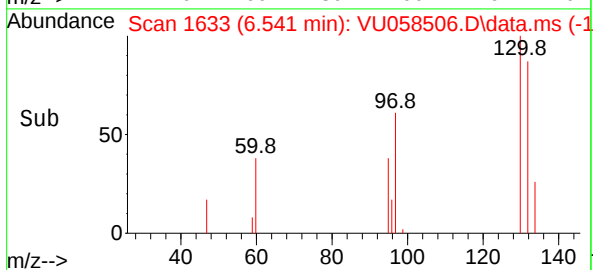
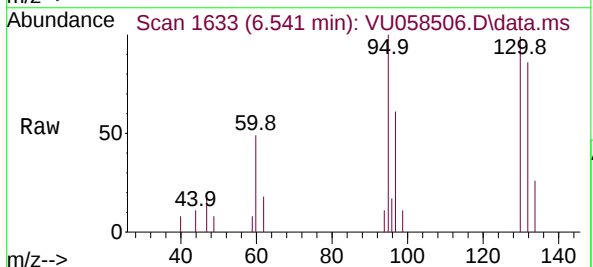
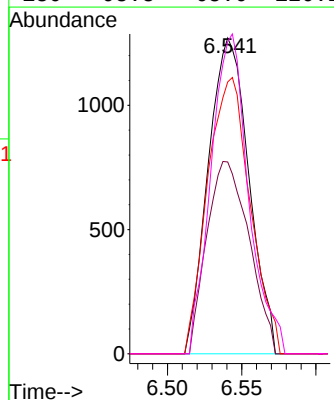
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 134.1 | 98.1  | 182.3 |
| 98  | 61.7  | 43.6  | 81.0  |

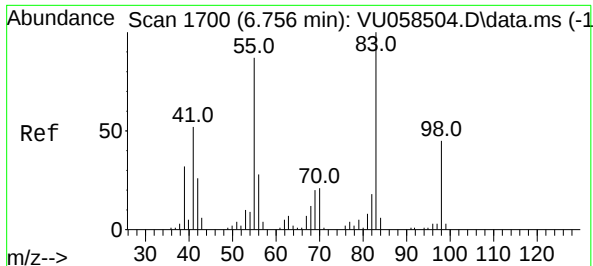


#34  
 Trichloroethene  
 Concen: 0.396 ug/L  
 RT: 6.541 min Scan# 1633  
 Delta R.T. 0.006 min  
 Lab File: VU058506.D  
 Acq: 09 Apr 2024 11:49

Tgt Ion: 95 Resp: 2419

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.7  | 45.6  | 84.6  |
| 132 | 86.1  | 64.8  | 120.3 |
| 130 | 98.8  | 68.0  | 126.2 |





#35

Methylcyclohexane

Concen: 0.652 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058506.D

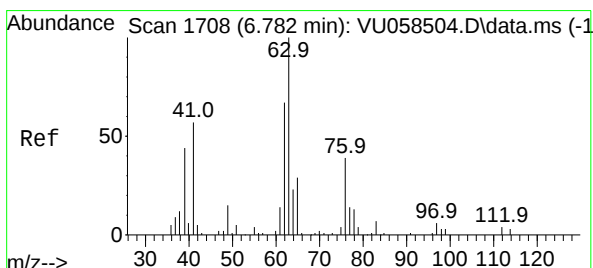
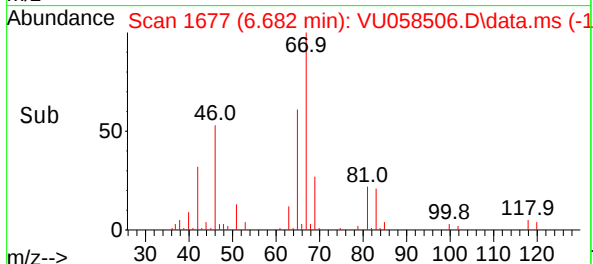
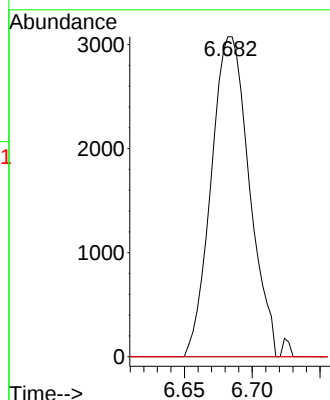
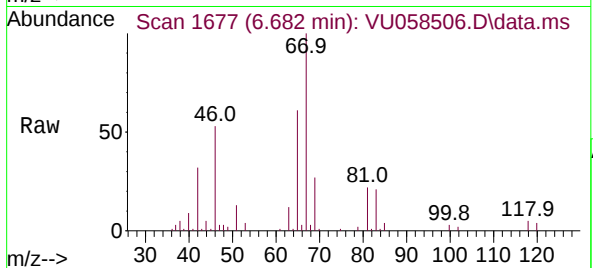
Acq: 09 Apr 2024 11:49

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 83 | Resp: | 6002       |
| Ion Ratio   | Lower | Upper      |
| 83          | 100   |            |
| 55          | 0.0   | 66.2 99.4# |
| 98          | 2.2   | 34.6 52.0# |



#37

1,2-Dichloropropane

Concen: 0.517 ug/L

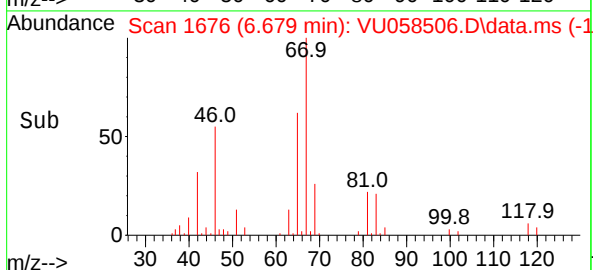
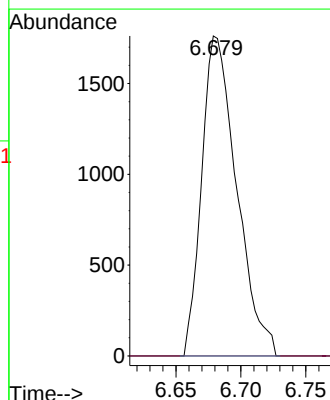
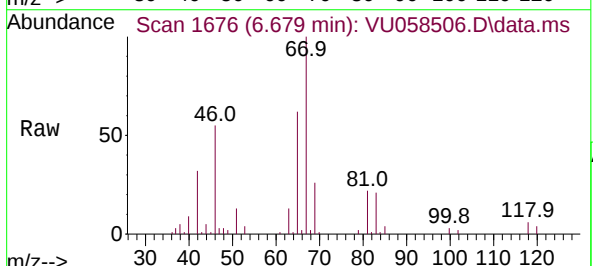
RT: 6.679 min Scan# 1676

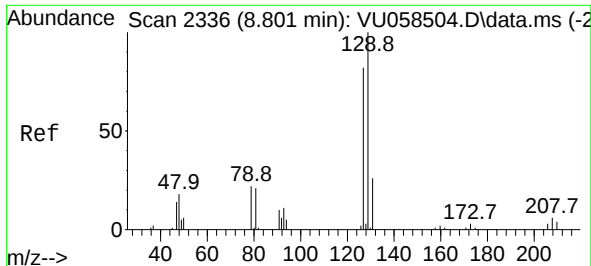
Delta R.T. -0.103 min

Lab File: VU058506.D

Acq: 09 Apr 2024 11:49

|             |       |          |
|-------------|-------|----------|
| Tgt Ion: 63 | Resp: | 3297     |
| Ion Ratio   | Lower | Upper    |
| 63          | 100   |          |
| 112         | 0.0   | 2.6 4.0# |





#49

Dibromochloromethane

Concen: 0.383 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.251 min

Lab File: VU058506.D

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Instrument :

MSVOA\_U

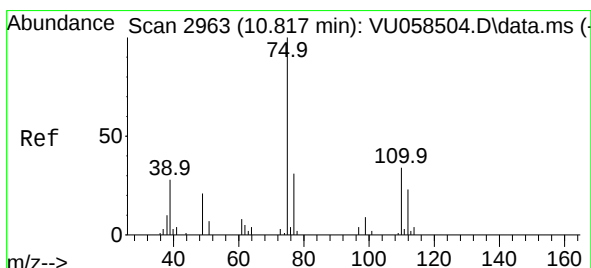
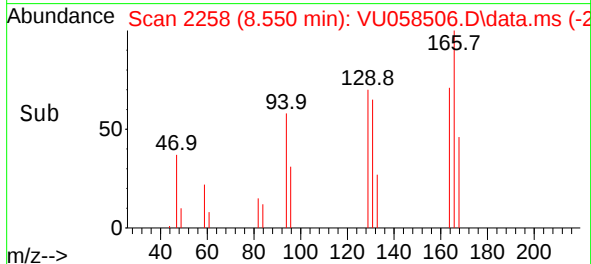
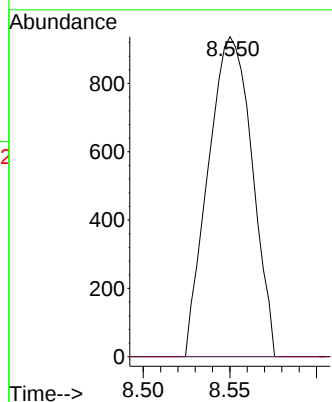
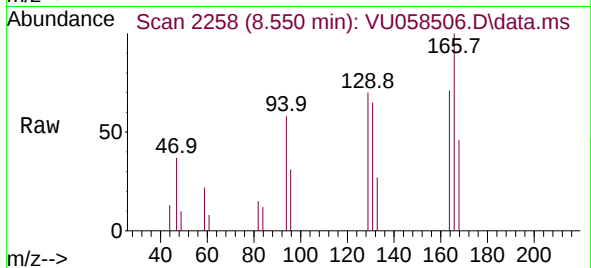
ClientSampleId :

Tgt Ion:129 Resp: 1648

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.435 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU058506.D

Acq: 09 Apr 2024 11:49

Tgt Ion: 75 Resp: 4109

Ion Ratio Lower Upper

75 100

110 0.0 25.8 38.6#

77 28.8 25.1 37.7

