

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032824\  
 Data File : VU058244.D  
 Acq On : 28 Mar 2024 17:04  
 Operator : MD/SY  
 Sample : P1902-09  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DCOB8

Quant Time: Mar 29 01:12:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 29 01:09:13 2024  
 Response via : Initial Calibration

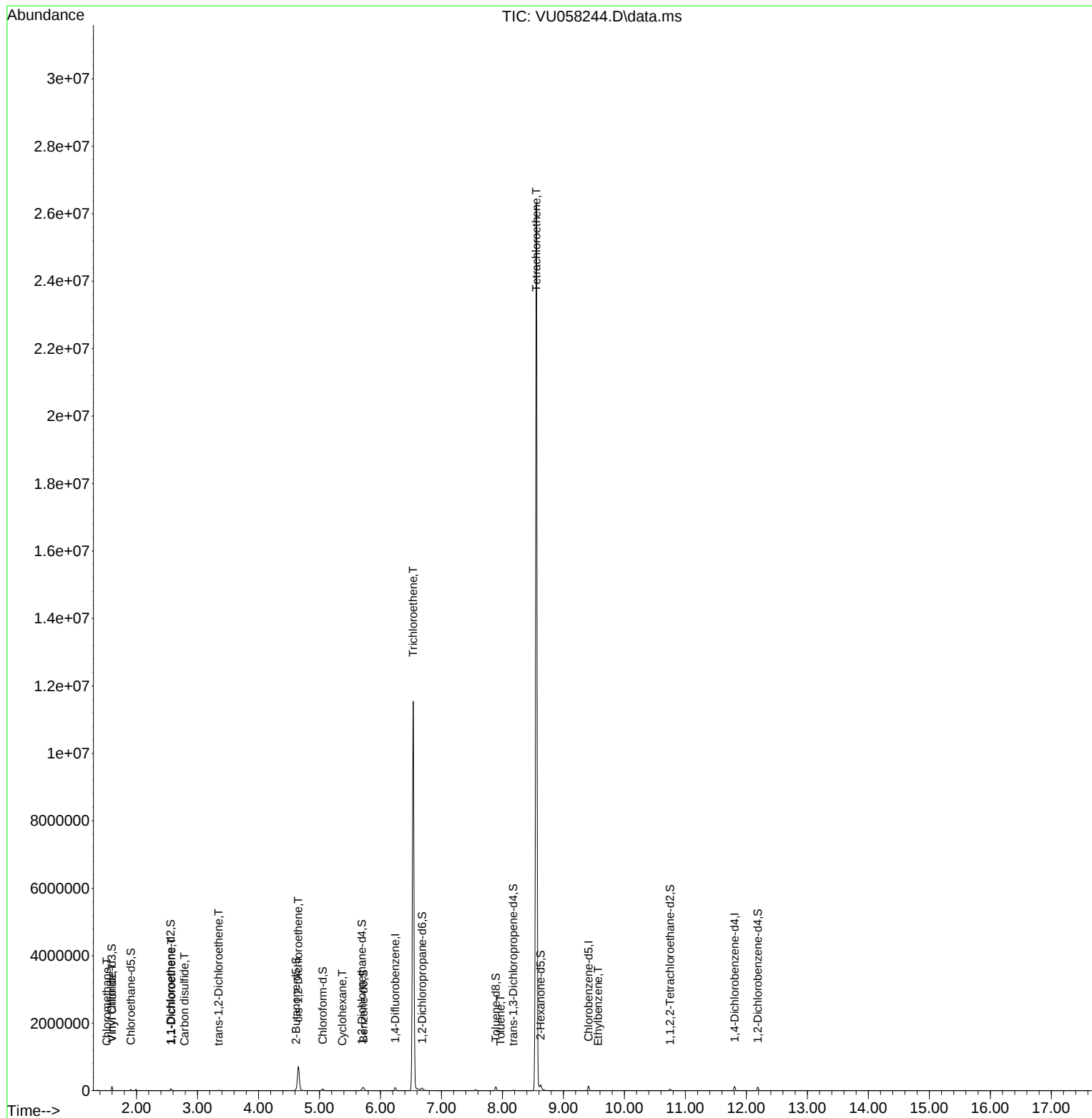
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 74290    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 71155    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 32489    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 21326    | 3.397    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 21346    | 4.166    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 8565     | 3.286    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 65.800%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 56780    | 50.909   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.820% |
| 24) Chloroform-d              | 5.052  | 84    | 47479    | 4.230    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 24598    | 4.688    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.800%  |
| 32) Benzene-d6                | 5.721  | 84    | 91720    | 3.969    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 79.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 29662    | 4.355    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 87.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 74972    | 3.662    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 73.200%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 9149     | 4.192    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 45302    | 51.255   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 21240    | 4.787    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 26492    | 4.379    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.515  | 50    | 943      | 0.242    | ug/L   | 95       |
| 5) Vinyl chloride             | 1.599  | 62    | 57654    | 13.537   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 4703     | 1.263    | ug/L # | 23       |
| 14) Carbon disulfide          | 2.788  | 76    | 5559     | 0.668    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 4404     | 1.131    | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 361978   | 75.261   | ug/L   | 97       |
| 30) Cyclohexane               | 5.373  | 56    | 1212     | 0.189    | ug/L # | 88       |
| 34) Trichloroethene           | 6.537  | 95    | 3852521  | 791.257  | ug/L   | 95       |
| 42) Toluene                   | 7.968  | 91    | 3171     | 0.161    | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.557  | 164   | 5011621  | 1536.754 | ug/L   | 94       |
| 52) Ethylbenzene              | 9.566  | 91    | 4221     | 0.191    | ug/L   | 95       |
| -----                         |        |       |          |          |        |          |

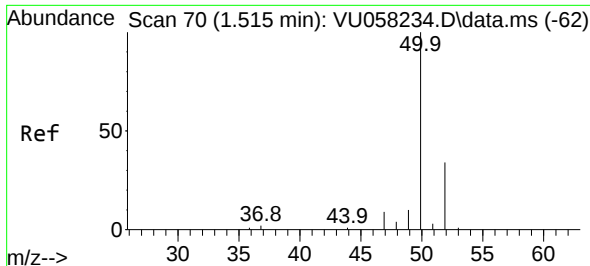
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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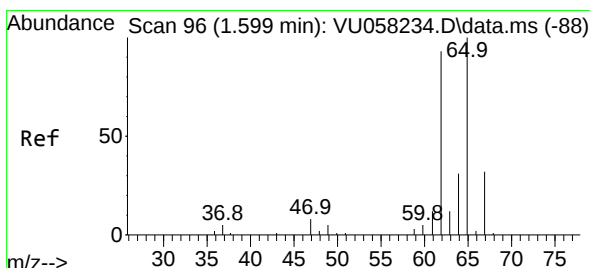
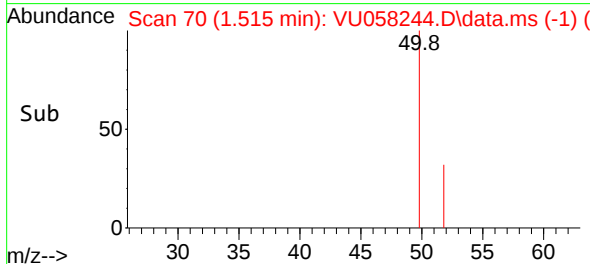
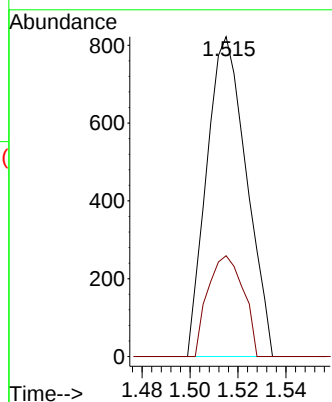
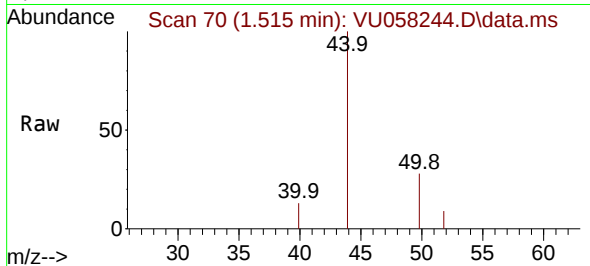




#3  
Chloromethane  
Concen: 0.242 ug/L  
RT: 1.515 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VU058244.D  
Acq: 28 Mar 2024 17:04

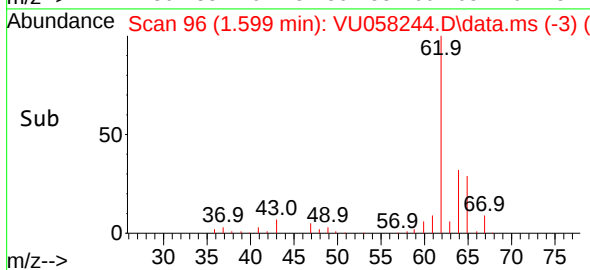
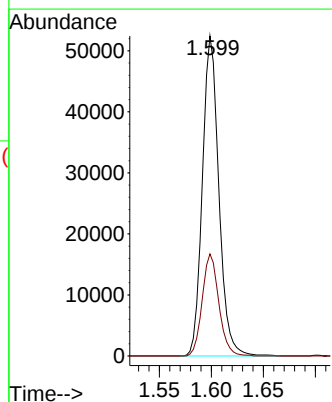
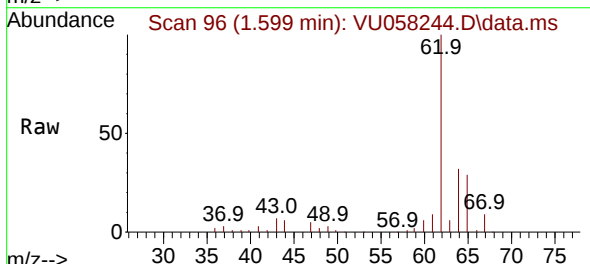
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOB8

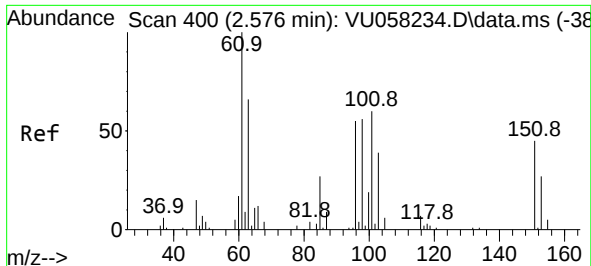
Tgt Ion: 50 Resp: 943  
Ion Ratio Lower Upper  
50 100  
52 31.5 24.2 45.0



#5  
Vinyl chloride  
Concen: 13.537 ug/L  
RT: 1.599 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VU058244.D  
Acq: 28 Mar 2024 17:04

Tgt Ion: 62 Resp: 57654  
Ion Ratio Lower Upper  
62 100  
64 31.9 23.4 43.6





#12

1,1-Dichloroethene

Concen: 1.263 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Instrument :

MSVOA\_U

ClientSampleId :

DCOB8

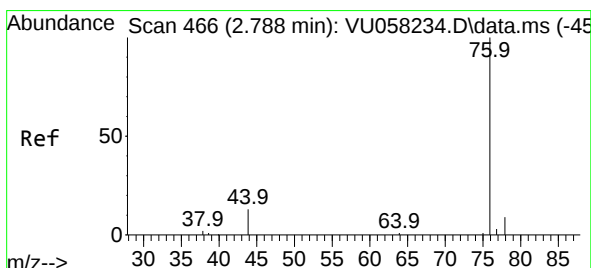
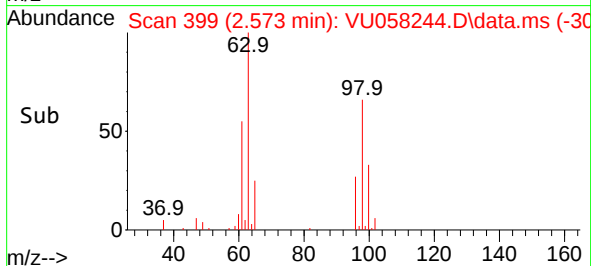
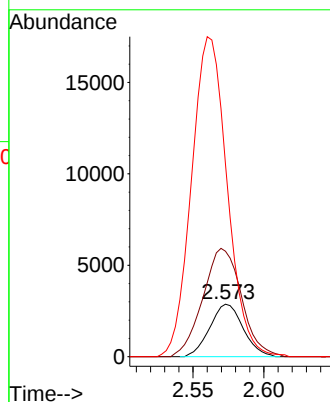
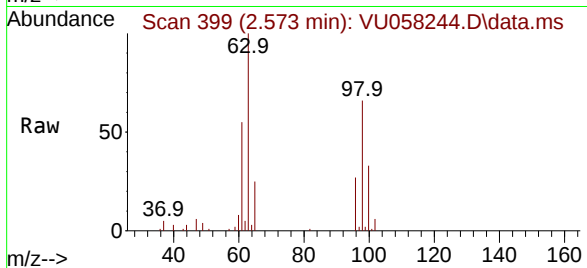
Tgt Ion: 96 Resp: 4703

Ion Ratio Lower Upper

96 100

61 200.9 128.1 237.9

63 366.5 116.8 217.0#



#14

Carbon disulfide

Concen: 0.668 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU058244.D

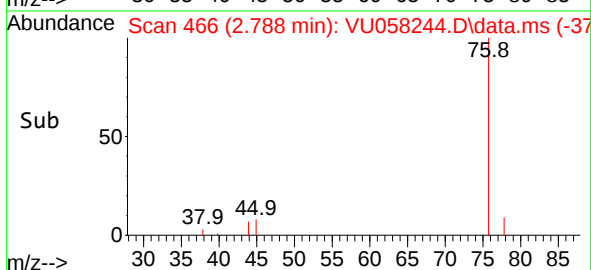
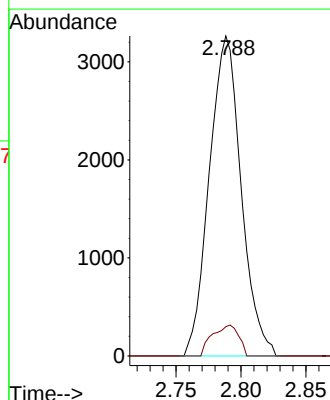
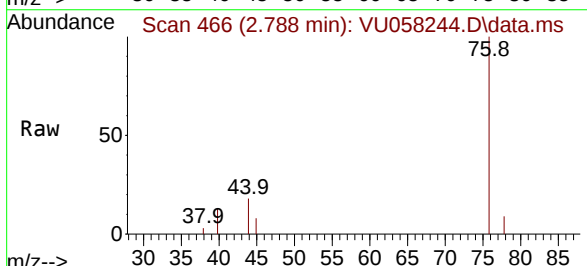
Acq: 28 Mar 2024 17:04

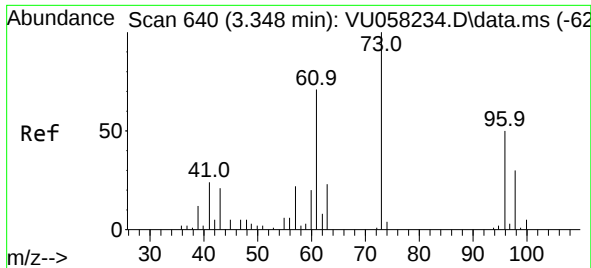
Tgt Ion: 76 Resp: 5559

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

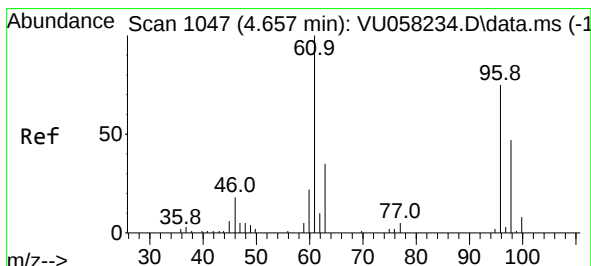
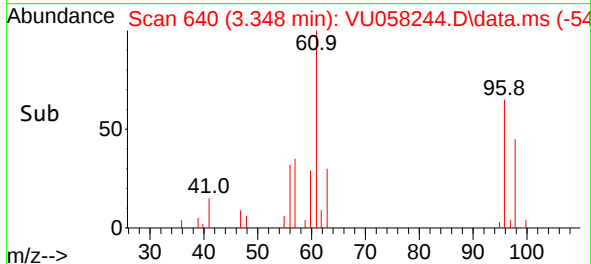
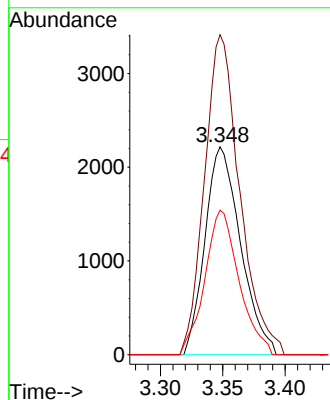
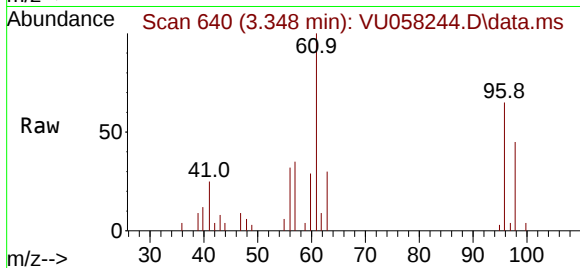




#18  
trans-1,2-Dichloroethene  
Concen: 1.131 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU058244.D  
Acq: 28 Mar 2024 17:04

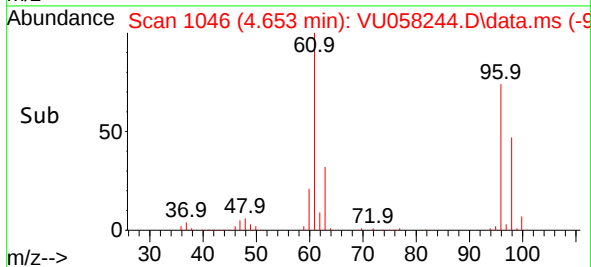
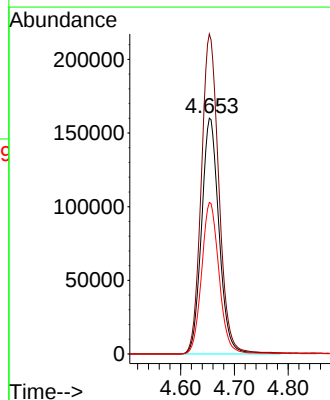
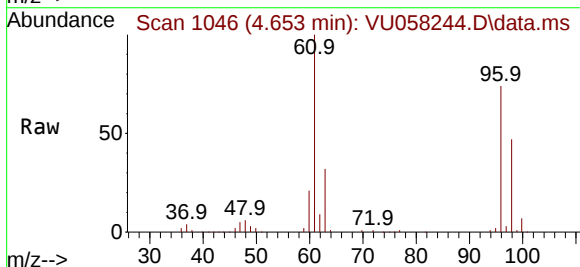
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOB8

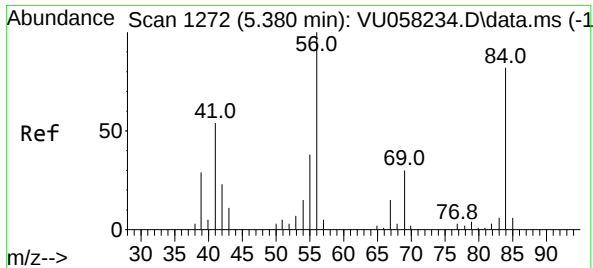
Tgt Ion: 96 Resp: 4404  
Ion Ratio Lower Upper  
96 100  
61 153.9 102.5 190.3  
98 69.5 44.0 81.8



#22  
cis-1,2-Dichloroethene  
Concen: 75.261 ug/L  
RT: 4.653 min Scan# 1046  
Delta R.T. -0.003 min  
Lab File: VU058244.D  
Acq: 28 Mar 2024 17:04

Tgt Ion: 96 Resp: 361978  
Ion Ratio Lower Upper  
96 100  
61 135.7 92.8 172.4  
98 64.2 43.2 80.2

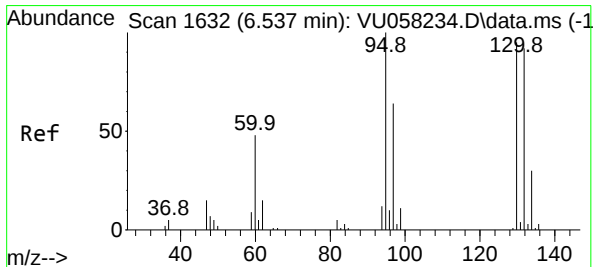
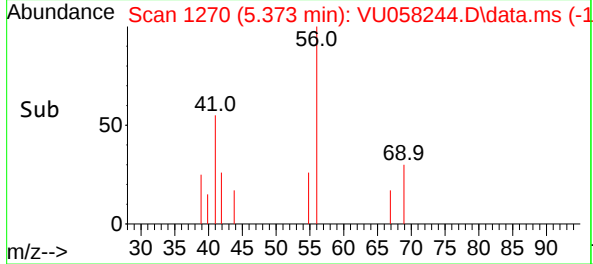
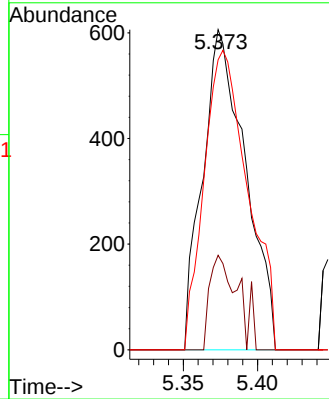
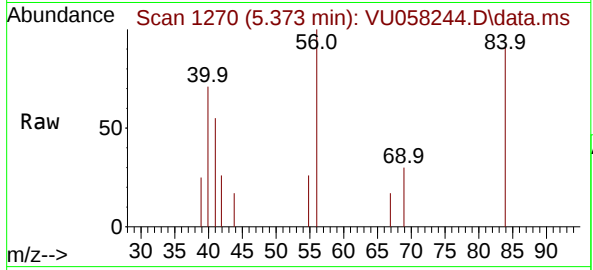




#30  
Cyclohexane  
Concen: 0.189 ug/L  
RT: 5.373 min Scan# 1270  
Delta R.T. -0.007 min  
Lab File: VU058244.D  
Acq: 28 Mar 2024 17:04

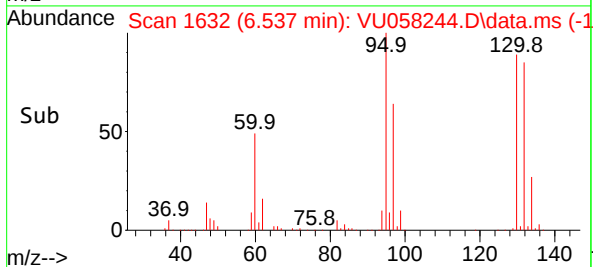
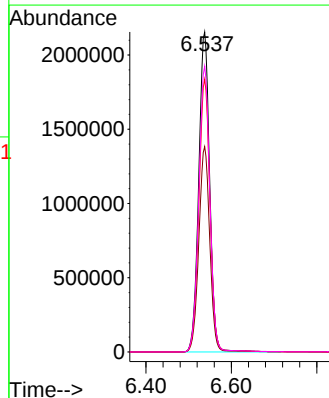
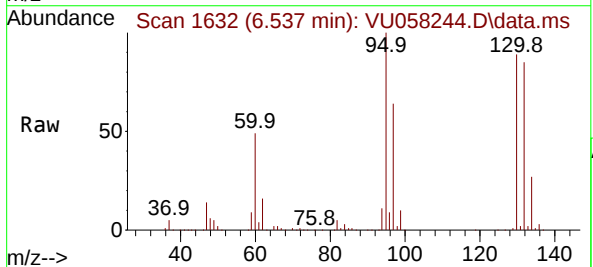
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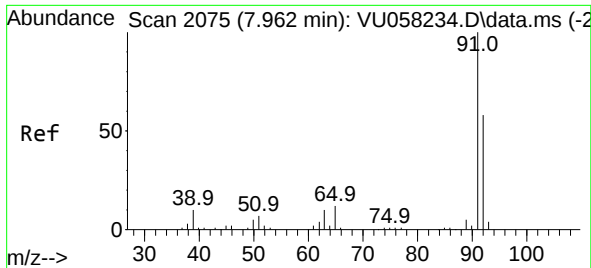
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 1212  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 19.6  | 24.2  | 36.2# |
| 84       | 95.8  | 69.7  | 104.5 |



#34  
Trichloroethene  
Concen: 791.257 ug/L  
RT: 6.537 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VU058244.D  
Acq: 28 Mar 2024 17:04

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 95    | Resp: | 3852521 |
| Ion      | Ratio | Lower | Upper   |
| 95       | 100   |       |         |
| 97       | 64.1  | 47.7  | 88.7    |
| 132      | 85.2  | 63.6  | 118.2   |
| 130      | 89.3  | 65.1  | 120.9   |





#42

Toluene

Concen: 0.161 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Instrument :

MSVOA\_U

ClientSampleId :

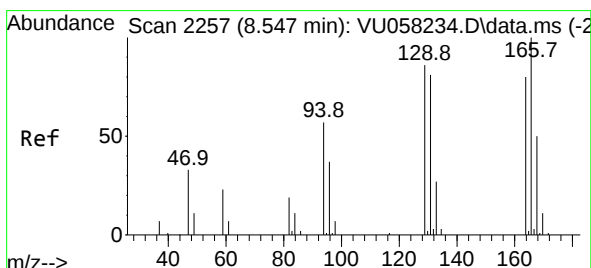
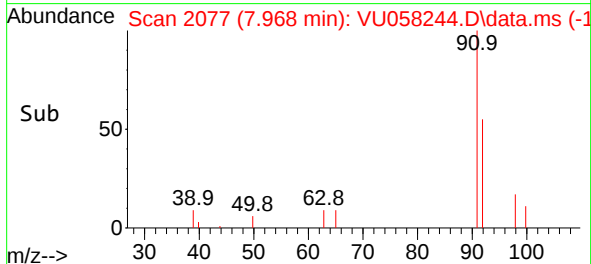
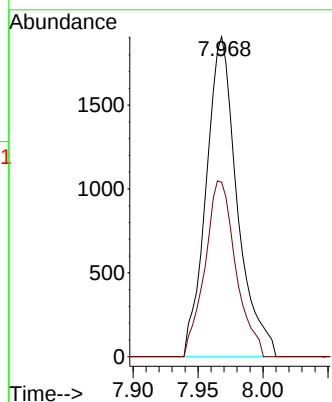
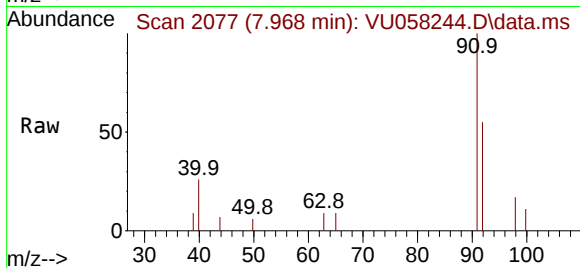
DCOB8

Tgt Ion: 91 Resp: 3171

Ion Ratio Lower Upper

91 100

92 54.5 40.7 75.5



#47

Tetrachloroethene

Concen: 1536.754 ug/L

RT: 8.557 min Scan# 2260

Delta R.T. 0.010 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Tgt Ion:164 Resp: 5011621

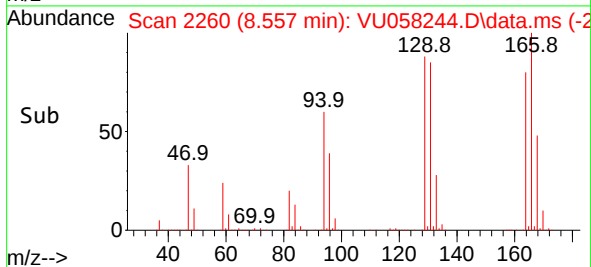
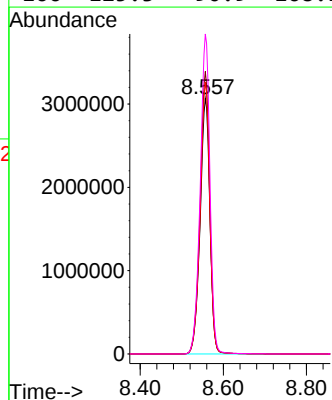
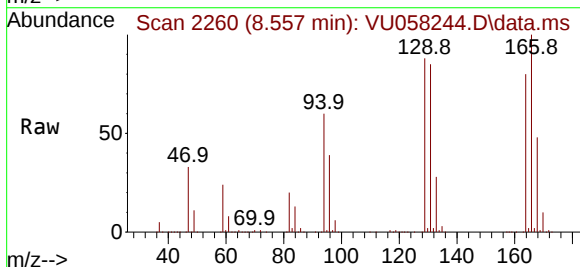
Ion Ratio Lower Upper

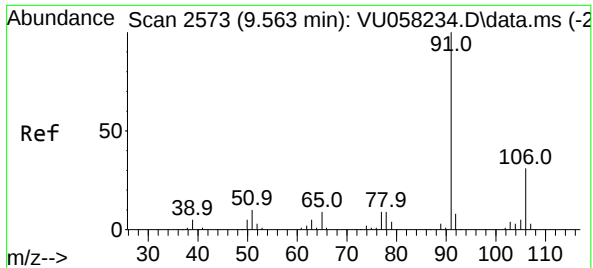
164 100

129 110.6 71.3 132.3

131 106.5 70.8 131.4

166 125.3 90.9 168.9





#52  
 Ethylbenzene  
 Concen: 0.191 ug/L  
 RT: 9.566 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VU058244.D  
 Acq: 28 Mar 2024 17:04

Instrument :  
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Tgt Ion: 91 Resp: 4221  
 Ion Ratio Lower Upper  
 91 100  
 106 26.7 20.6 38.2

