

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021123\  
 Data File : VU053061.D  
 Acq On : 11 Feb 2023 20:31  
 Operator : JC/MD  
 Sample : 01533-05  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COM76

Quant Time: Feb 12 22:51:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR021023WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sun Feb 12 22:49:21 2023  
 Response via : Initial Calibration

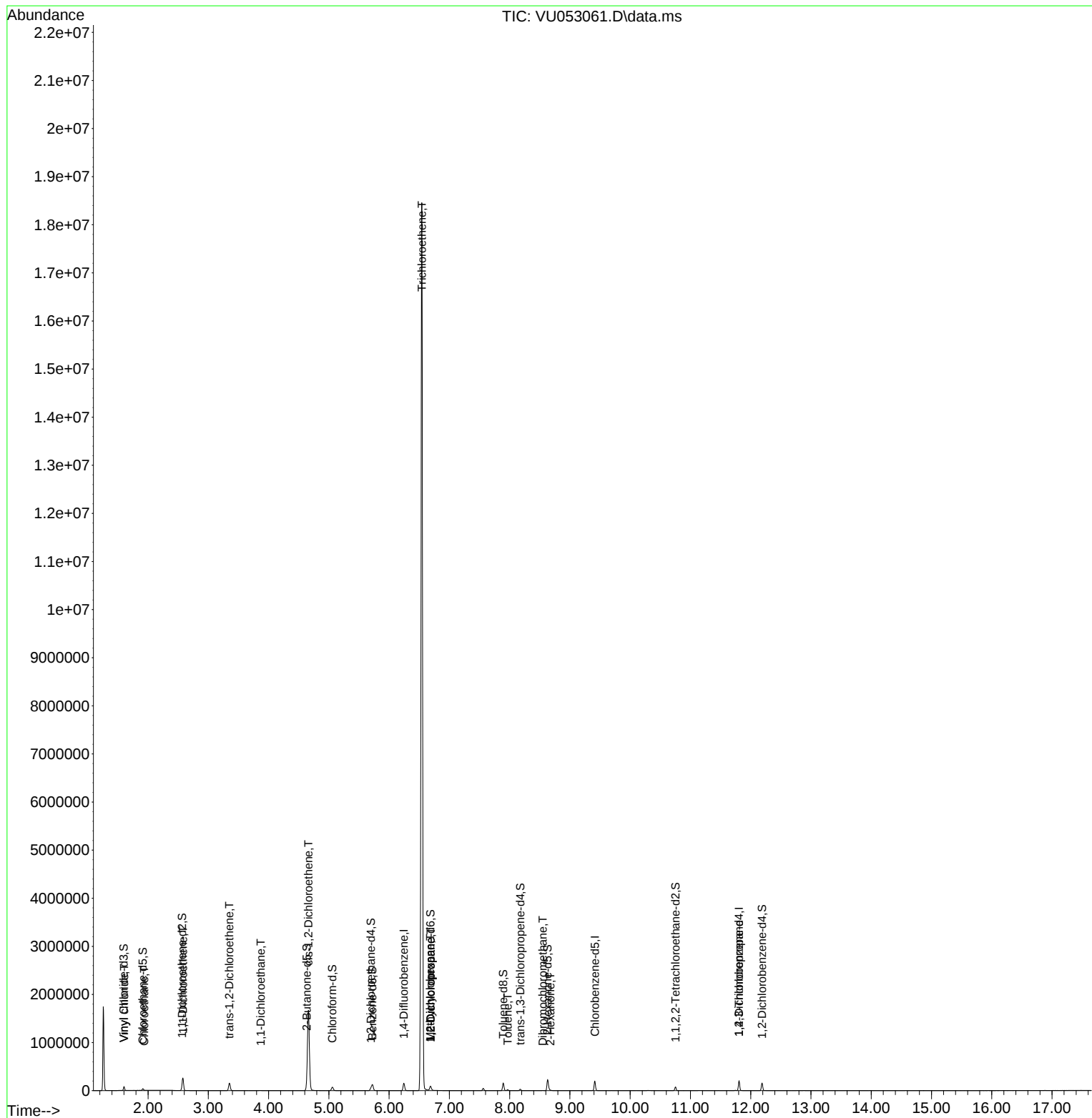
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.244  | 114   | 125405   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 109323   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 50406    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.598  | 65    | 26007    | 4.329    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 86.600%  |
| 7) Chloroethane-d5            | 1.913  | 69    | 26807    | 4.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.566  | 65    | 12064    | 4.378    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 87.600%  |
| 20) 2-Butanone-d5             | 4.633  | 46    | 100758   | 54.761   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.520% |
| 24) Chloroform-d              | 5.058  | 84    | 63519    | 4.595    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 33957    | 4.875    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.400%  |
| 32) Benzene-d6                | 5.723  | 84    | 121742   | 4.956    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.688  | 67    | 41726    | 4.877    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 106032   | 4.778    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 17339    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 100.200% |
| 46) 2-Hexanone-d5             | 8.630  | 63    | 83744    | 54.456   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 108.920% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.752 | 84    | 37323    | 5.079    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 40406    | 5.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 107.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.605  | 62    | 32262    | 3.053    | ug/L   | 100      |
| 8) Chloroethane               | 1.936  | 64    | 2387     | 0.384    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.579  | 96    | 77186    | 10.404   | ug/L   | 93       |
| 18) trans-1,2-Dichloroethene  | 3.350  | 96    | 64383    | 8.201    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.868  | 63    | 2025     | 0.137    | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.662  | 96    | 847548   | 95.665   | ug/L   | 98       |
| 34) Trichloroethene           | 6.543  | 95    | 6069100  | 684.681  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.685  | 83    | 9791     | 0.682    | ug/L # | 22       |
| 37) 1,2-Dichloropropane       | 6.691  | 63    | 4510     | 0.526    | ug/L # | 90       |
| 42) Toluene                   | 7.968  | 91    | 13972    | 0.408    | ug/L   | 100      |
| 48) 2-Hexanone                | 8.678  | 43    | 3655     | 1.112    | ug/L # | 83       |
| 49) Dibromochloromethane      | 8.550  | 129   | 754      | 0.112    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 6895     | 1.425    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

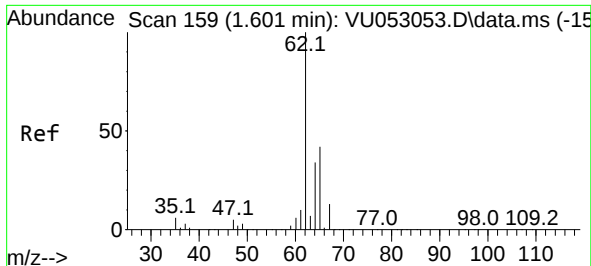
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sun Feb 12 22:49:21 2023  
Response via : Initial Calibration

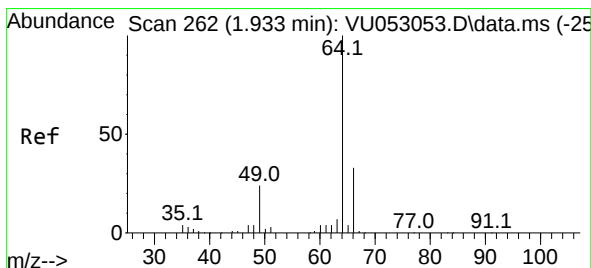
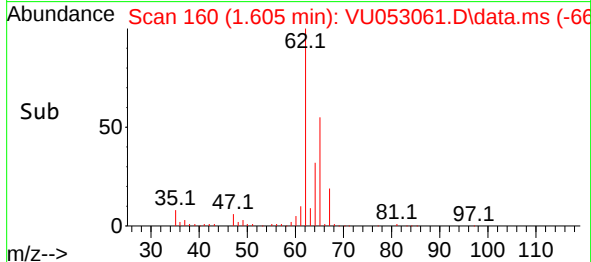
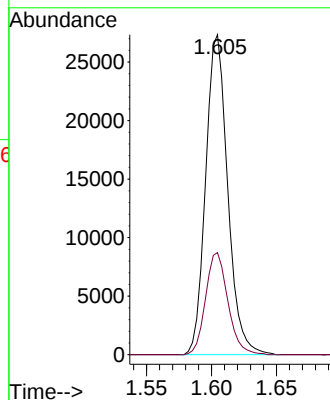
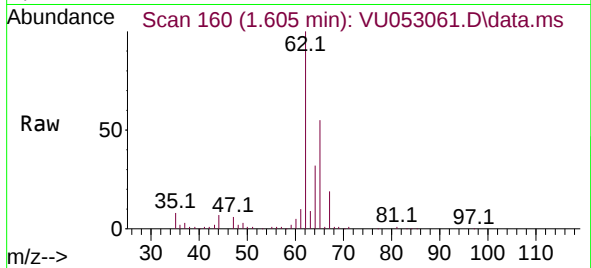




#5  
 Vinyl chloride  
 Concen: 3.053 ug/L  
 RT: 1.605 min Scan# 1  
 Delta R.T. 0.003 min  
 Lab File: VU053061.D  
 Acq: 11 Feb 2023 20:31

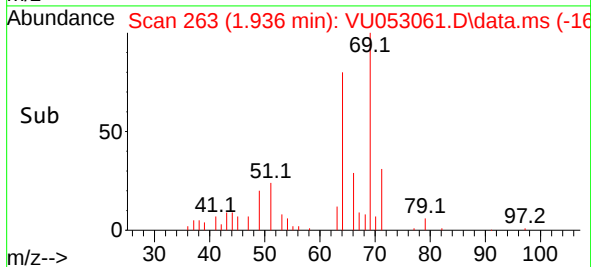
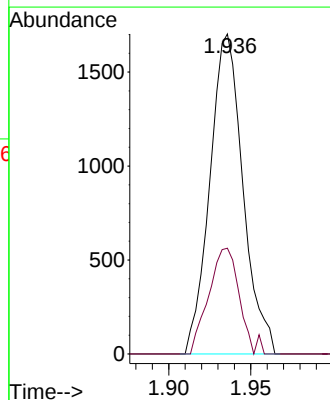
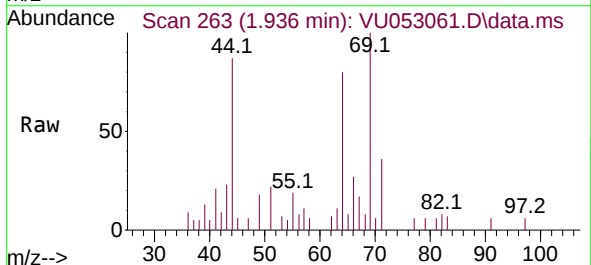
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COM76

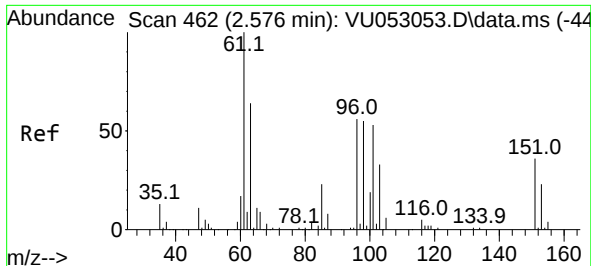
Tgt Ion: 62 Resp: 32262  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.5 41.9



#8  
 Chloroethane  
 Concen: 0.384 ug/L  
 RT: 1.936 min Scan# 263  
 Delta R.T. 0.003 min  
 Lab File: VU053061.D  
 Acq: 11 Feb 2023 20:31

Tgt Ion: 64 Resp: 2387  
 Ion Ratio Lower Upper  
 64 100  
 66 33.1 23.9 44.3





#12

1,1-Dichloroethene

Concen: 10.404 ug/L

RT: 2.579 min Scan# 4

Delta R.T. 0.003 min

Lab File: VU053061.D

Acq: 11 Feb 2023 20:31

Instrument :

MSVOA\_U

ClientSampleId :

COM76

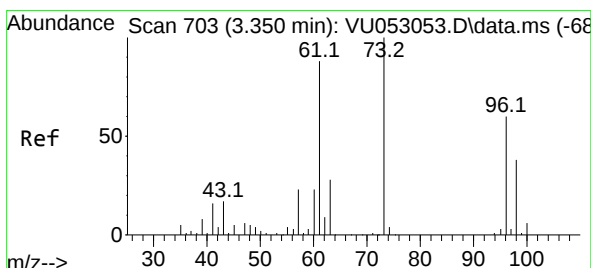
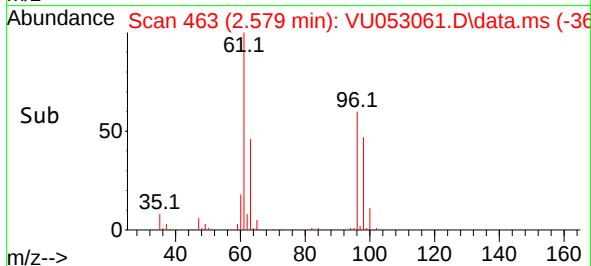
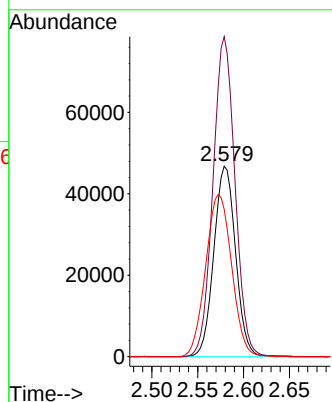
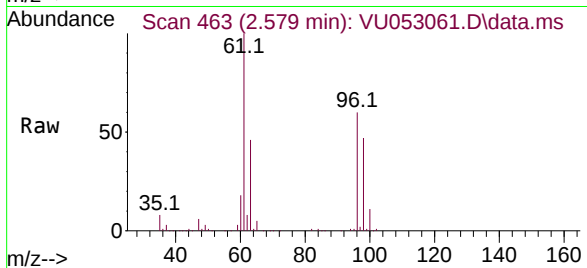
Tgt Ion: 96 Resp: 77186

Ion Ratio Lower Upper

96 100

61 167.9 115.1 213.7

63 77.4 63.6 118.0



#18

trans-1,2-Dichloroethene

Concen: 8.201 ug/L

RT: 3.350 min Scan# 703

Delta R.T. 0.000 min

Lab File: VU053061.D

Acq: 11 Feb 2023 20:31

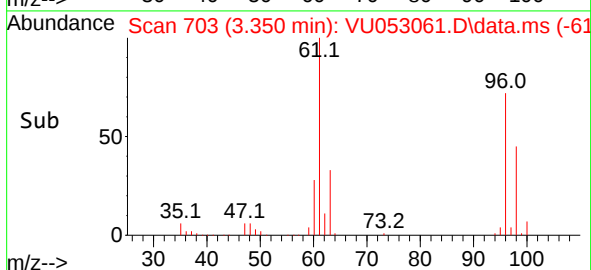
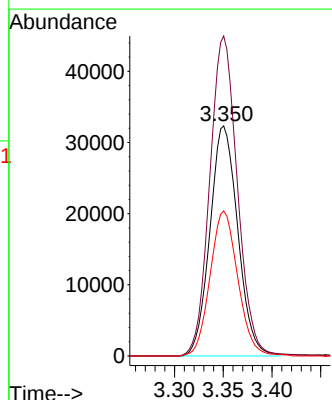
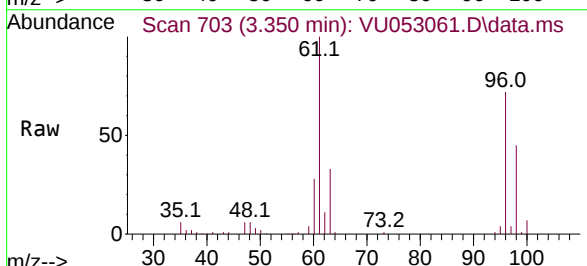
Tgt Ion: 96 Resp: 64383

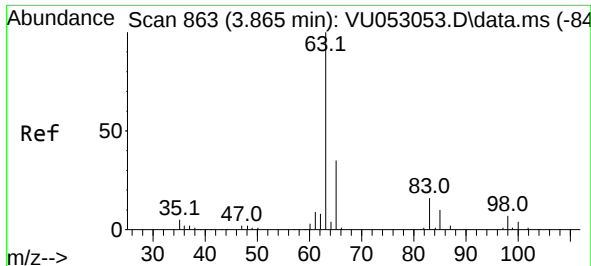
Ion Ratio Lower Upper

96 100

61 139.1 99.5 184.9

98 63.0 44.8 83.2





#19

1,1-Dichloroethane

Concen: 0.137 ug/L

RT: 3.868 min Scan# 863

Delta R.T. 0.003 min

Lab File: VU053061.D

Acq: 11 Feb 2023 20:31

Instrument :

MSVOA\_U

ClientSampleId :

COM76

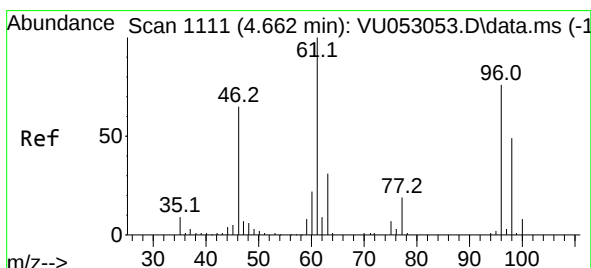
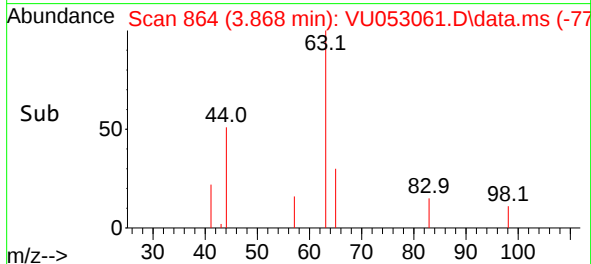
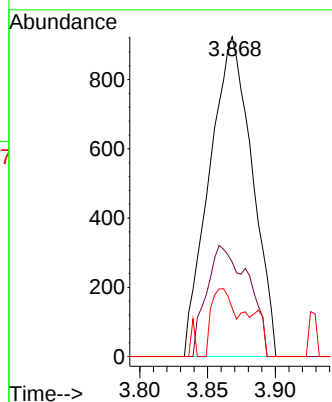
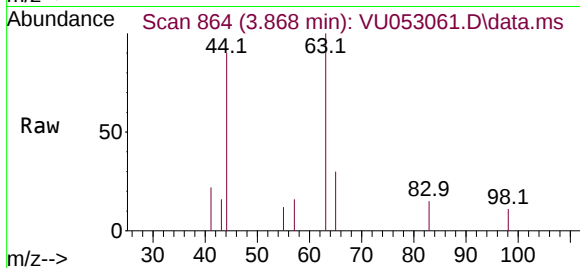
Tgt Ion: 63 Resp: 2025

Ion Ratio Lower Upper

63 100

65 29.5 22.3 41.3

83 15.2 9.8 18.2



#22

cis-1,2-Dichloroethene

Concen: 95.665 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VU053061.D

Acq: 11 Feb 2023 20:31

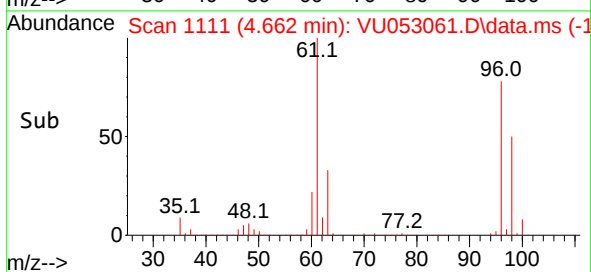
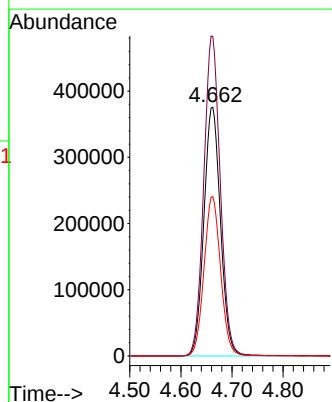
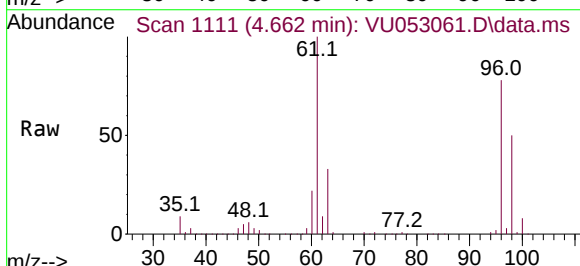
Tgt Ion: 96 Resp: 847548

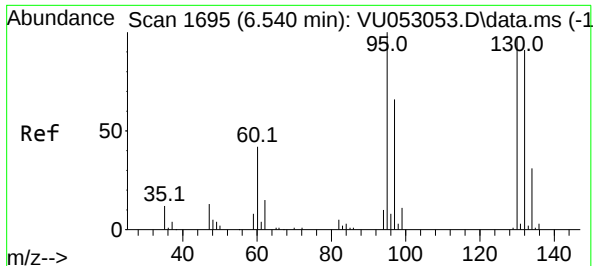
Ion Ratio Lower Upper

96 100

61 128.3 90.9 168.9

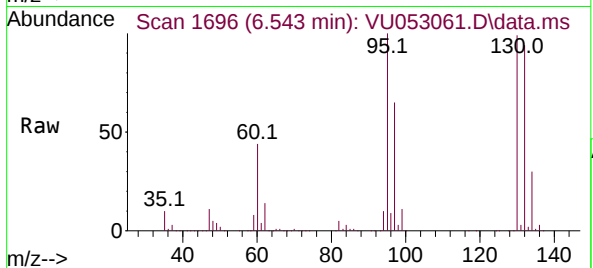
98 64.1 47.0 87.4



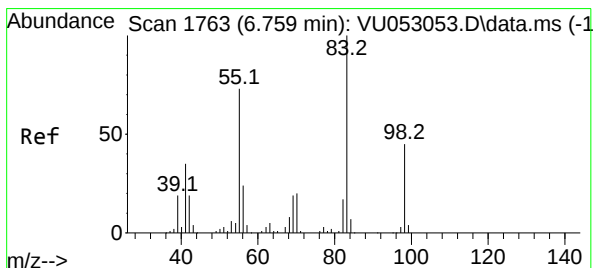
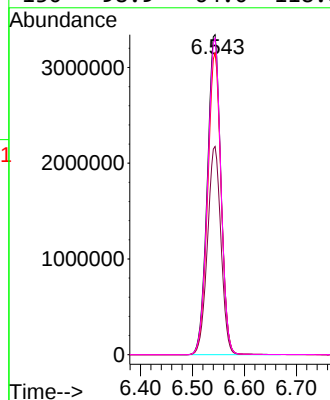
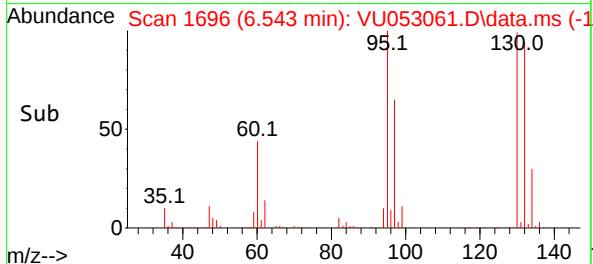


#34  
Trichloroethene  
Concen: 684.681 ug/L  
RT: 6.543 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU053061.D  
Acq: 11 Feb 2023 20:31

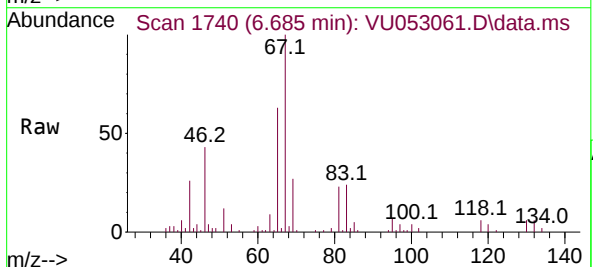
Instrument :  
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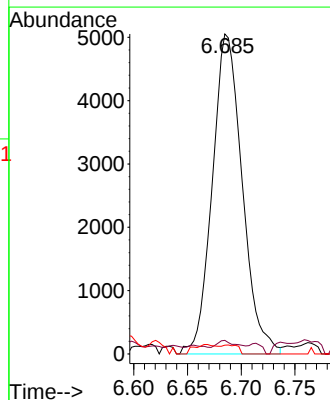
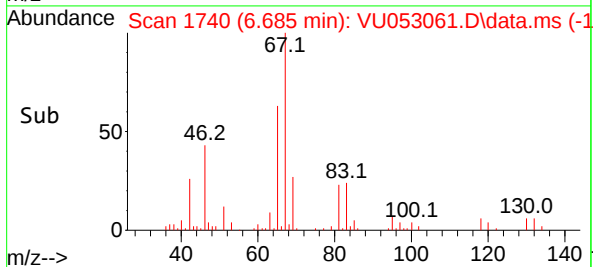
Tgt Ion: 95 Resp: 6069100  
Ion Ratio Lower Upper  
95 100  
97 65.0 44.7 82.9  
132 94.3 62.3 115.7  
130 98.9 64.0 118.8

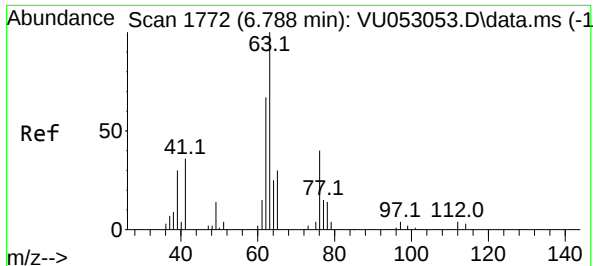


#35  
Methylcyclohexane  
Concen: 0.682 ug/L  
RT: 6.685 min Scan# 1740  
Delta R.T. -0.074 min  
Lab File: VU053061.D  
Acq: 11 Feb 2023 20:31



Tgt Ion: 83 Resp: 9791  
Ion Ratio Lower Upper  
83 100  
55 3.2 57.9 86.9#  
98 0.0 36.4 54.6#





#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.691 min Scan# 11

Delta R.T. -0.096 min

Lab File: VU053061.D

Acq: 11 Feb 2023 20:31

Instrument :

MSVOA\_U

ClientSampleId :

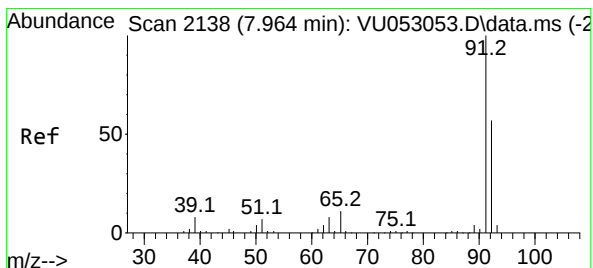
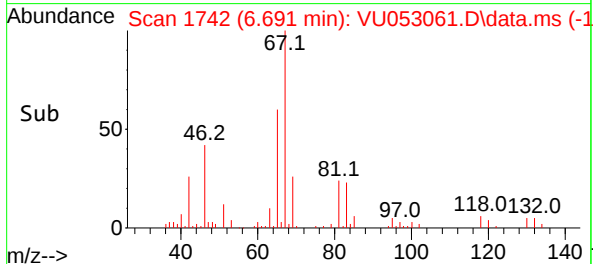
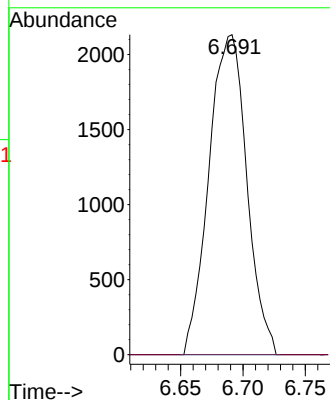
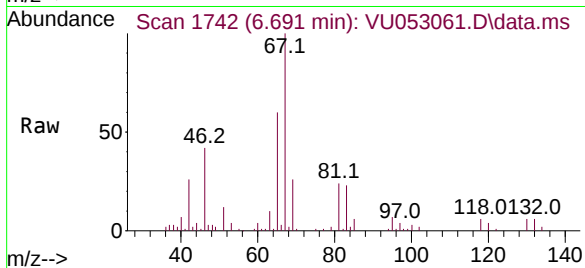
COM76

Tgt Ion: 63 Resp: 4510

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#42

Toluene

Concen: 0.408 ug/L

RT: 7.968 min Scan# 2139

Delta R.T. 0.003 min

Lab File: VU053061.D

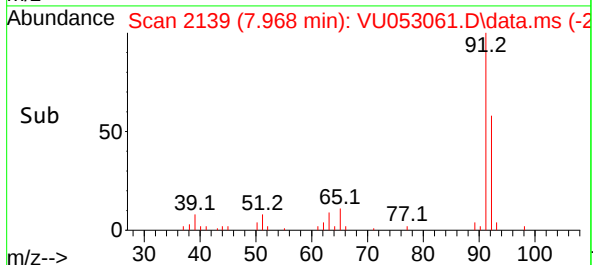
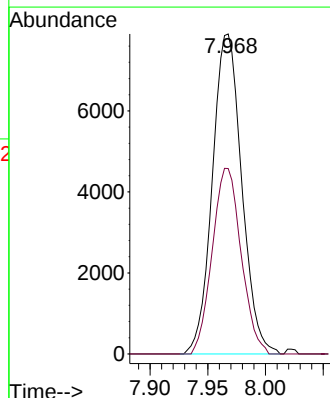
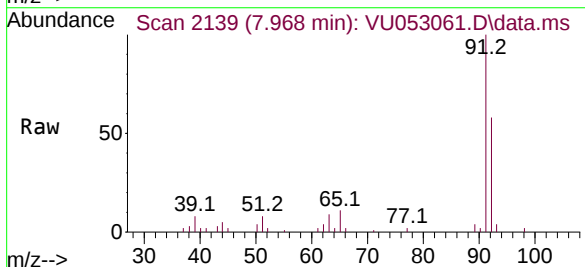
Acq: 11 Feb 2023 20:31

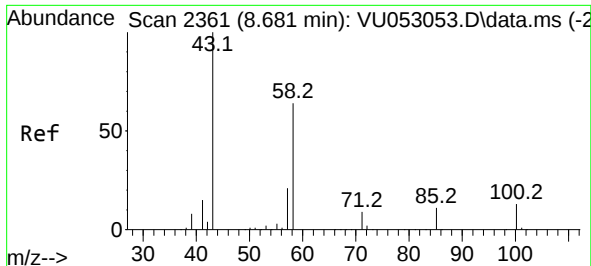
Tgt Ion: 91 Resp: 13972

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.3

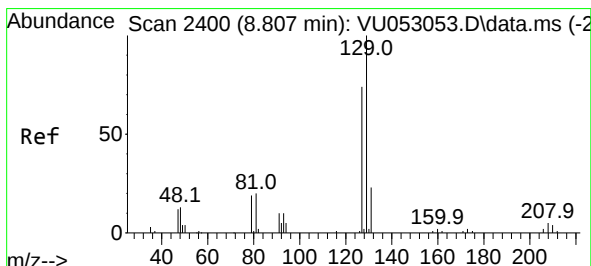
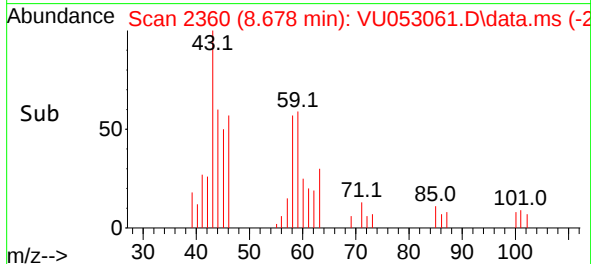
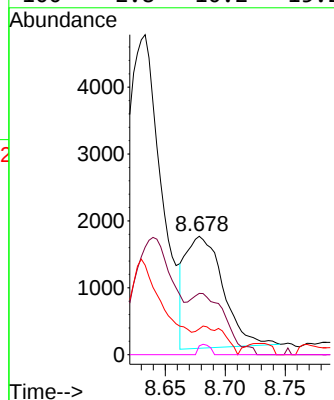
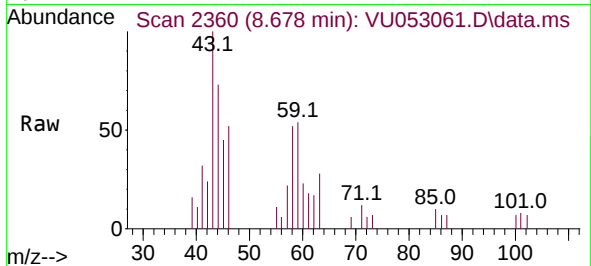




#48  
2-Hexanone  
Concen: 1.112 ug/L  
RT: 8.678 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU053061.D  
Acq: 11 Feb 2023 20:31

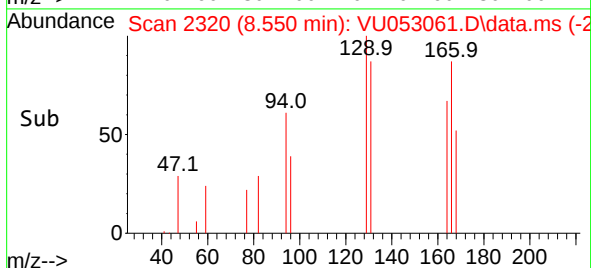
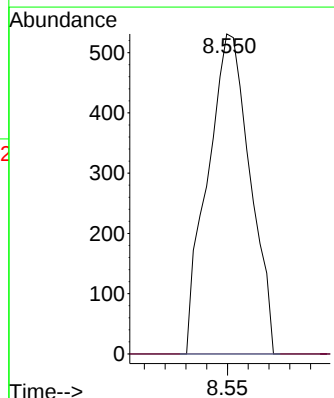
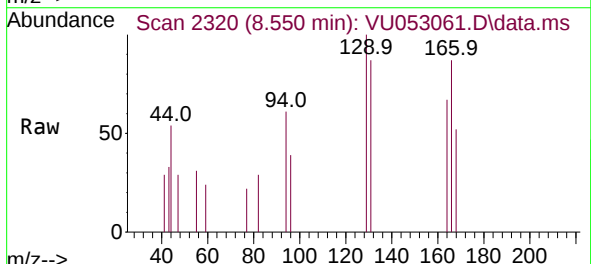
Instrument :  
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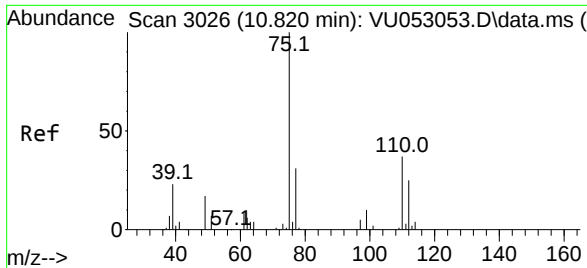
Tgt Ion: 43 Resp: 3655  
Ion Ratio Lower Upper  
43 100  
58 49.0 50.3 75.5#  
57 17.4 17.4 26.0  
100 2.8 10.2 15.2#



#49  
Dibromochloromethane  
Concen: 0.112 ug/L  
RT: 8.550 min Scan# 2320  
Delta R.T. -0.257 min  
Lab File: VU053061.D  
Acq: 11 Feb 2023 20:31

Tgt Ion:129 Resp: 754  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.9 102.1#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.425 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU053061.D  
 Acq: 11 Feb 2023 20:31

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COM76

Tgt Ion: 75 Resp: 6895  
 Ion Ratio Lower Upper  
 75 100  
 110 0.6 28.6 42.8#  
 77 34.4 27.6 41.4

