

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011525\  
 Data File : VU062770.D  
 Acq On : 15 Jan 2025 16:22  
 Operator : MD/SY  
 Sample : Q1071-04  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCQ70

Quant Time: Jan 16 00:49:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 16 00:44:09 2025  
 Response via : Initial Calibration

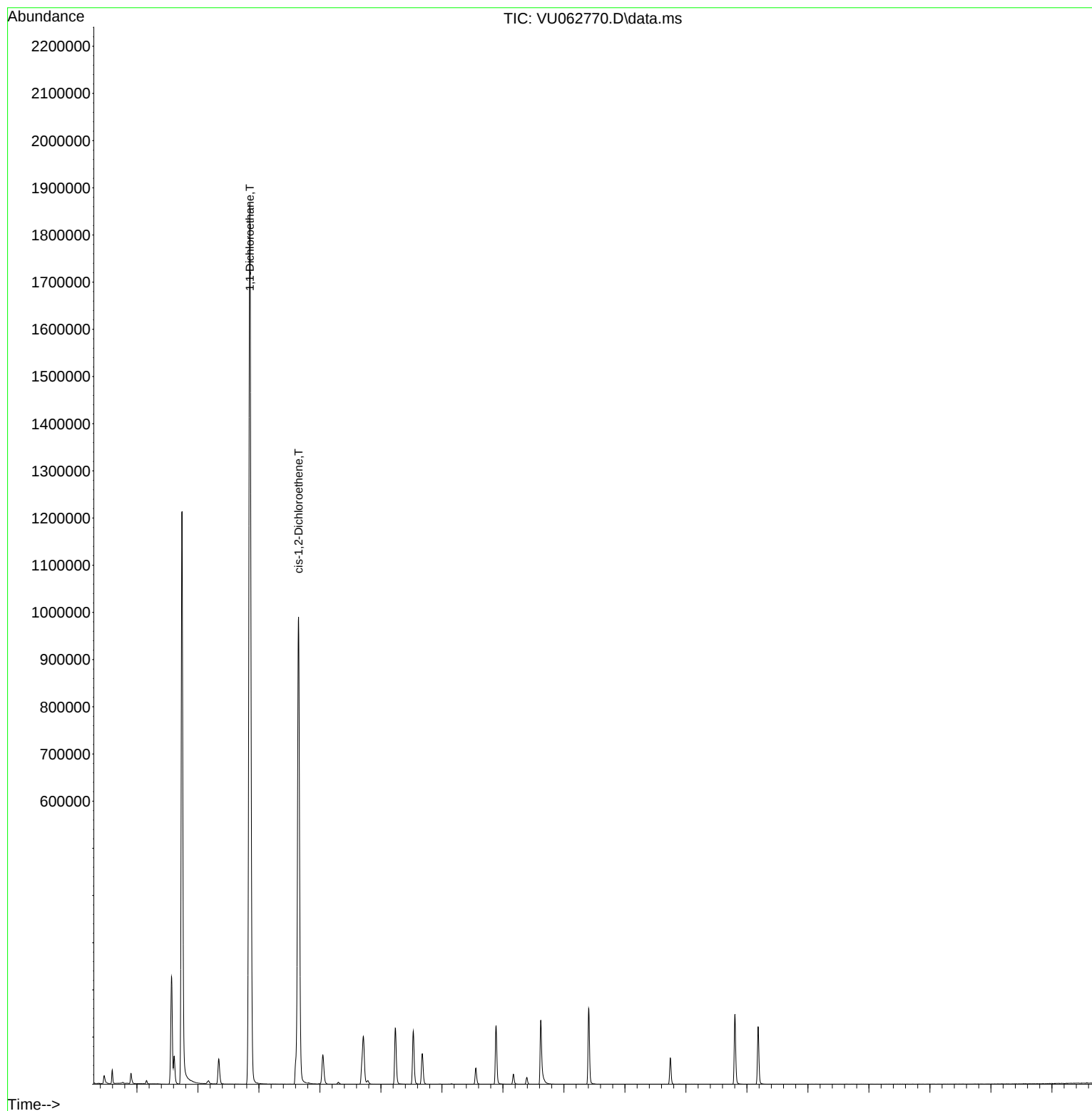
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 98853    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.405  | 117   | 90731    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 42903    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 16606    | 3.033    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 60.600%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 16259    | 3.692    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 73.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 9459     | 3.335    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 66.800%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 61929    | 55.345   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 110.700% |
| 24) Chloroform-d              | 5.049  | 84    | 58941    | 4.376    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.688  | 65    | 35421    | 4.848    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.000%  |
| 32) Benzene-d6                | 5.714  | 84    | 94438    | 4.258    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 28743    | 4.674    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.400%  |
| 41) Toluene-d8                | 7.888  | 98    | 85188    | 3.942    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 78.800%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 13384    | 4.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.400%  |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 48225    | 50.023   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.040% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 25817    | 5.013    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152   | 34843    | 4.881    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.599  | 62    | 3426     | 0.481    | ug/L   | 84       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 70349    | 11.464   | ug/L # | 79       |
| 13) Acetone                   | 2.611  | 43    | 63640    | 71.795   | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96    | 23296    | 3.544    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.853  | 63    | 2044111  | 173.896  | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.650  | 96    | 542293   | 75.744   | ug/L   | 99       |
| 25) Chloroform                | 5.071  | 83    | 2979     | 0.206    | ug/L   | 84       |
| 27) 1,2-Dichloroethane        | 5.785  | 62    | 6716     | 0.710    | ug/L   | 99       |
| 34) Trichloroethene           | 6.531  | 95    | 39160    | 4.398    | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97    | 4863     | 0.974    | ug/L   | 92       |
| -----                         |        |       |          |          |        |          |

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

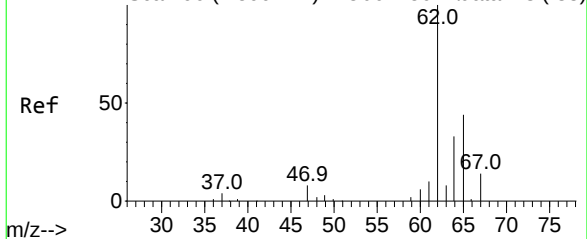
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011525\  
Data File : VU062770.D  
Acq On : 15 Jan 2025 16:22  
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Sample : Q1071-04  
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ALS Vial : 17 Sample Multiplier: 1

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QLast Update : Thu Jan 16 00:44:09 2025  
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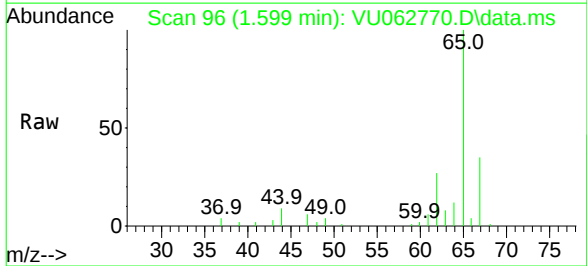


Abundance Scan 96 (1.599 min): VU062756.D\data.ms (-88)

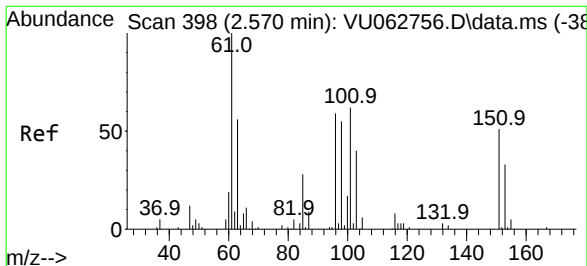
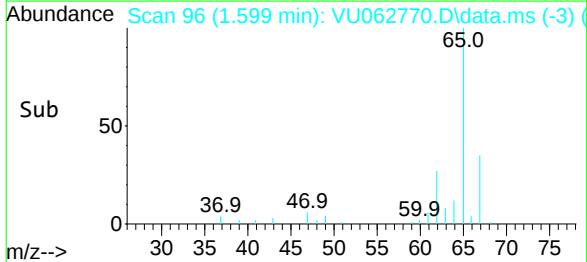
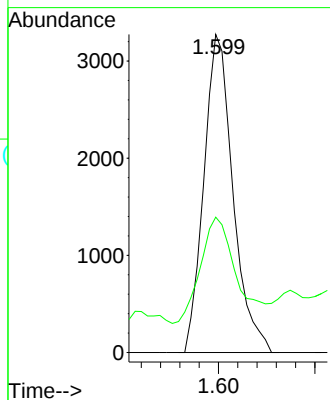


#5  
Vinyl chloride  
Concen: 0.481 ug/L  
RT: 1.599 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VU062770.D  
Acq: 15 Jan 2025 16:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
GCQ70

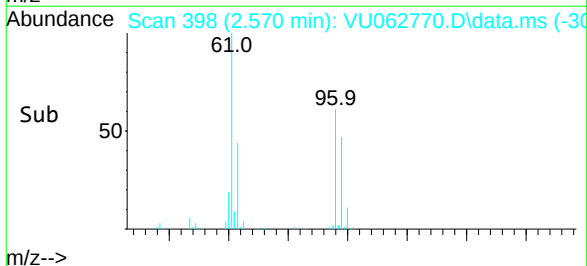
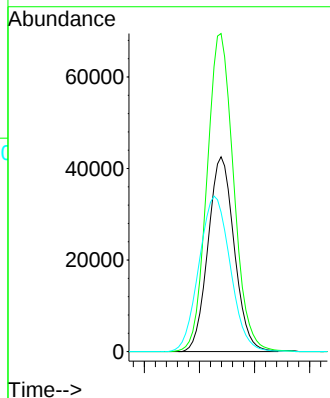
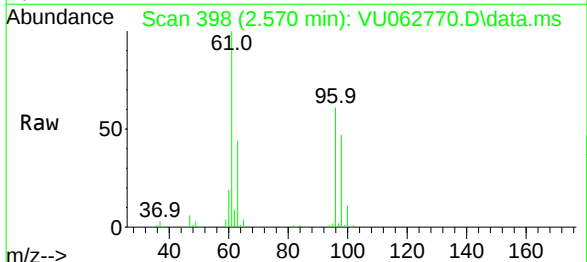


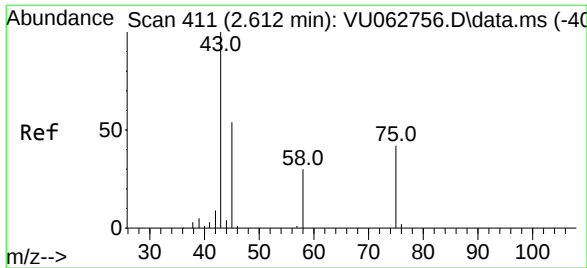
Tgt Ion: 62 Resp: 3426  
Ion Ratio Lower Upper  
62 100  
64 42.5 23.4 43.4



#12  
1,1-Dichloroethene  
Concen: 11.464 ug/L  
RT: 2.570 min Scan# 398  
Delta R.T. -0.000 min  
Lab File: VU062770.D  
Acq: 15 Jan 2025 16:22

Tgt Ion: 96 Resp: 70349  
Ion Ratio Lower Upper  
96 100  
61 163.3 120.4 223.6  
63 71.6 82.3 152.9#





#13

Acetone

Concen: 71.795 ug/L

RT: 2.611 min Scan# 411

Delta R.T. -0.000 min

Lab File: VU062770.D

Acq: 15 Jan 2025 16:22

Instrument :

MSVOA\_U

ClientSampleId :

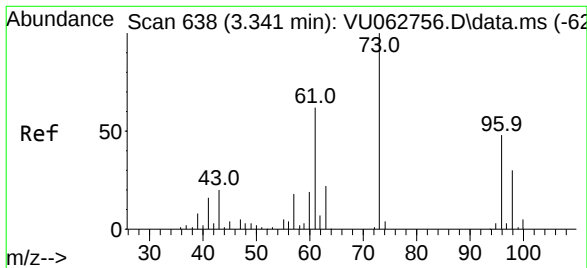
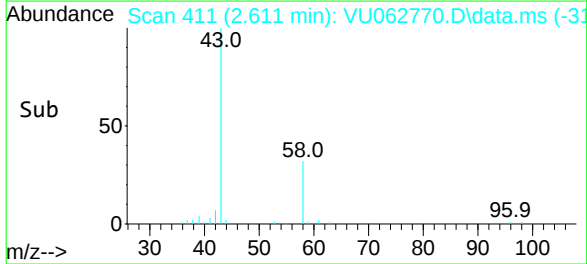
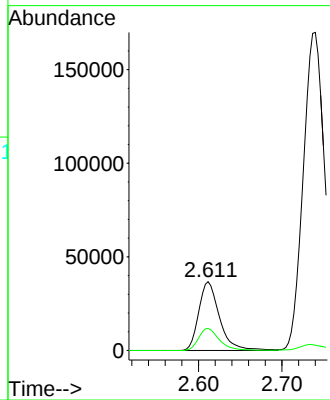
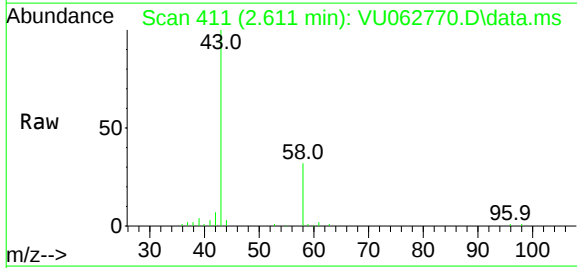
GCQ70

Tgt Ion: 43 Resp: 63640

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.4



#18

trans-1,2-Dichloroethene

Concen: 3.544 ug/L

RT: 3.341 min Scan# 638

Delta R.T. -0.000 min

Lab File: VU062770.D

Acq: 15 Jan 2025 16:22

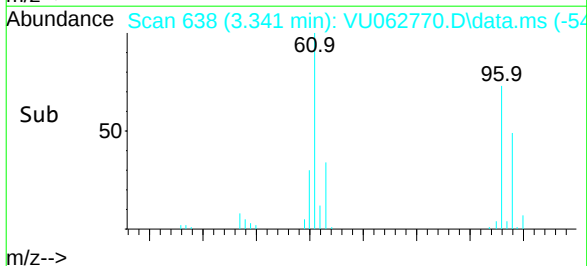
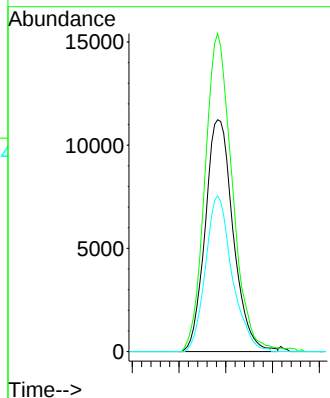
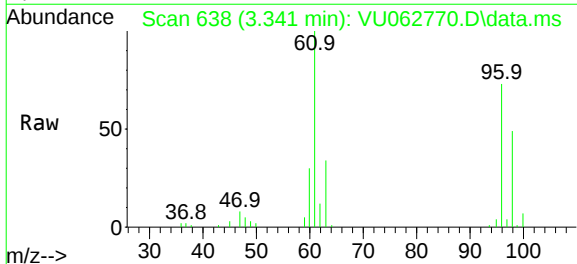
Tgt Ion: 96 Resp: 23296

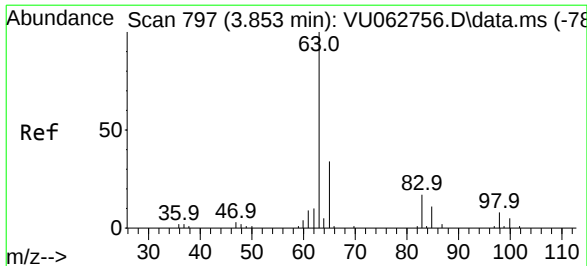
Ion Ratio Lower Upper

96 100

61 137.2 94.4 175.2

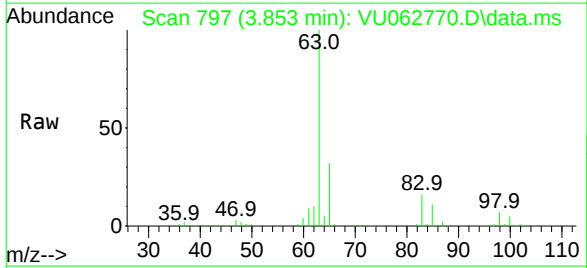
98 67.1 42.8 79.4



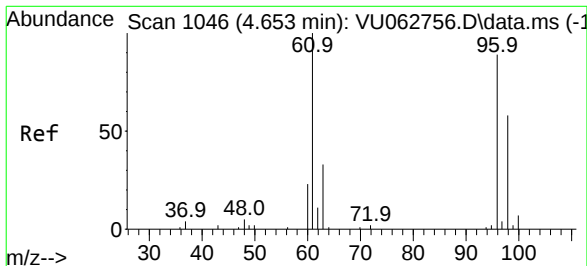
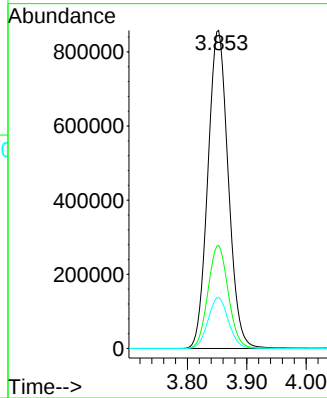
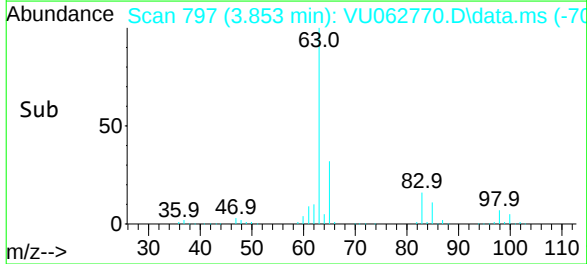


#19  
1,1-Dichloroethane  
Concen: 173.896 ug/L  
RT: 3.853 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: VU062770.D  
Acq: 15 Jan 2025 16:22

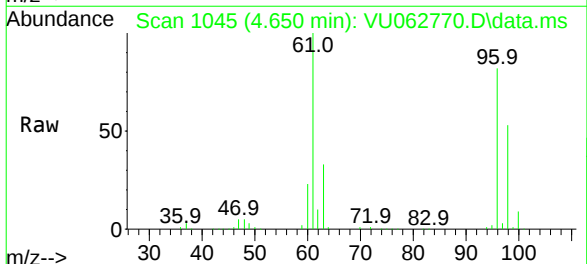
Instrument :  
MSVOA\_U  
ClientSampleId :  
GCQ70



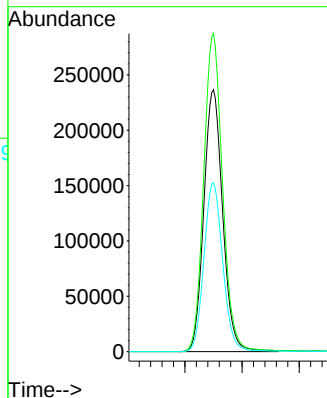
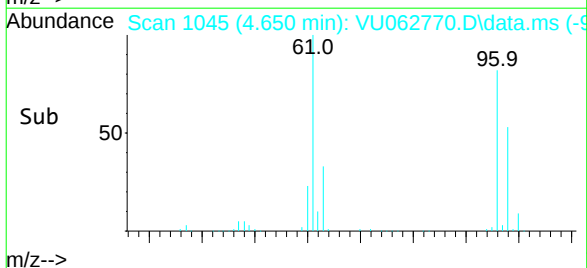
Tgt Ion: 63 Resp: 2044111  
Ion Ratio Lower Upper  
63 100  
65 32.4 20.7 38.5  
83 16.0 10.5 19.5

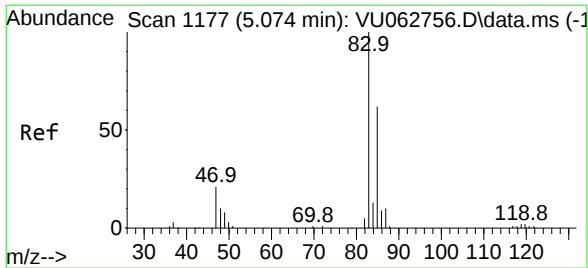


#22  
cis-1,2-Dichloroethene  
Concen: 75.744 ug/L  
RT: 4.650 min Scan# 1045  
Delta R.T. -0.003 min  
Lab File: VU062770.D  
Acq: 15 Jan 2025 16:22



Tgt Ion: 96 Resp: 542293  
Ion Ratio Lower Upper  
96 100  
61 121.4 84.8 157.6  
98 64.5 43.1 80.1

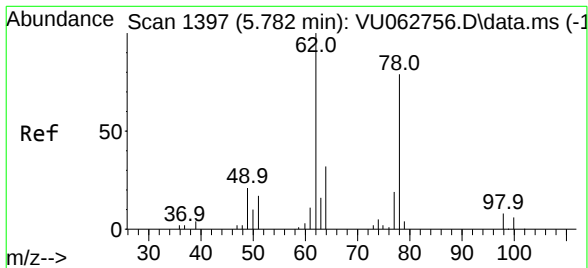
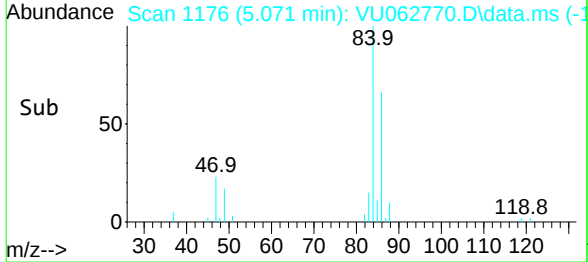
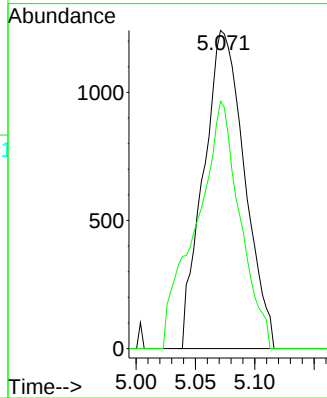
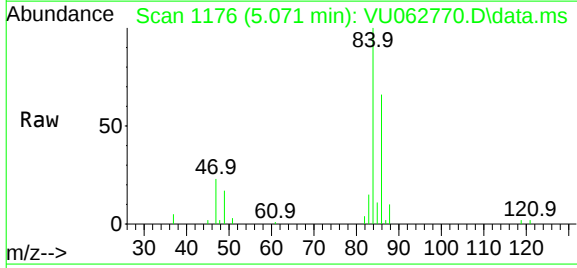




#25  
Chloroform  
Concen: 0.206 ug/L  
RT: 5.071 min Scan# 1177  
Delta R.T. -0.003 min  
Lab File: VU062770.D  
Acq: 15 Jan 2025 16:22

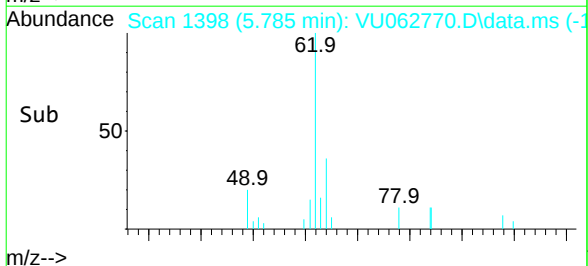
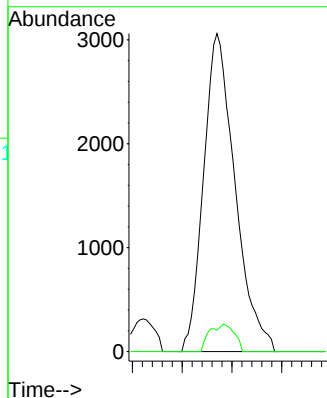
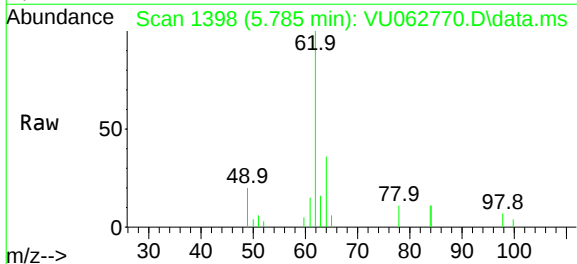
Instrument :  
MSVOA\_U  
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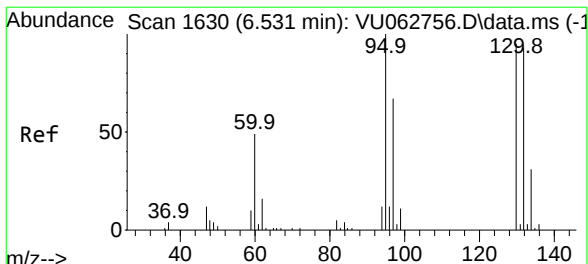
Tgt Ion: 83 Resp: 2979  
Ion Ratio Lower Upper  
83 100  
85 77.8 45.8 85.2



#27  
1,2-Dichloroethane  
Concen: 0.710 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. 0.003 min  
Lab File: VU062770.D  
Acq: 15 Jan 2025 16:22

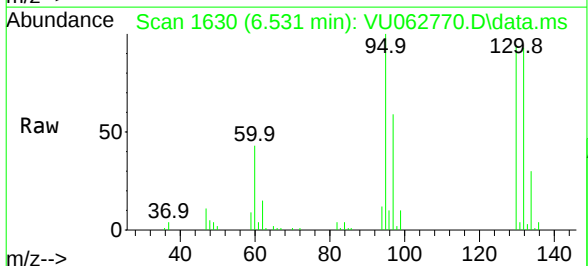
Tgt Ion: 62 Resp: 6716  
Ion Ratio Lower Upper  
62 100  
98 6.8 5.8 8.6



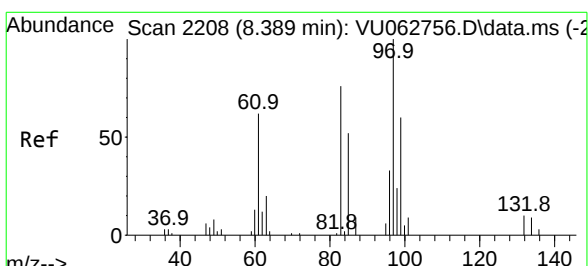
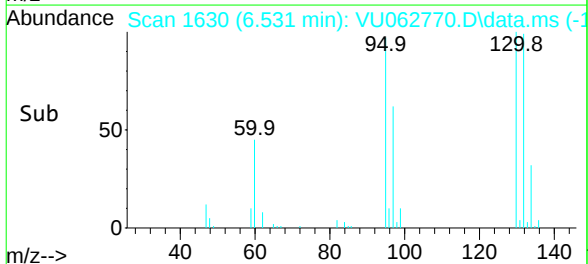
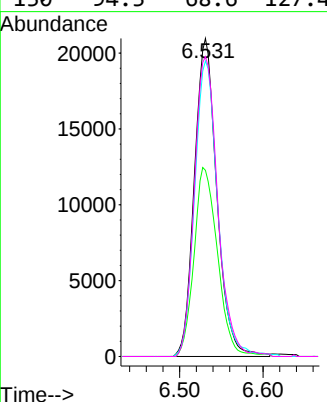


#34  
 Trichloroethene  
 Concen: 4.398 ug/L  
 RT: 6.531 min Scan# 16  
 Delta R.T. -0.000 min  
 Lab File: VU062770.D  
 Acq: 15 Jan 2025 16:22

Instrument : MSVOA\_U  
 ClientSampleId : GCQ70



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 39160 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 58.5  | 47.5  | 88.3  |
| 132      | 92.9  | 66.9  | 124.3 |
| 130      | 94.3  | 68.6  | 127.4 |



#45  
 1,1,2-Trichloroethane  
 Concen: 0.974 ug/L  
 RT: 8.393 min Scan# 2209  
 Delta R.T. 0.003 min  
 Lab File: VU062770.D  
 Acq: 15 Jan 2025 16:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 4863  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 57.6  | 45.6  | 84.6  |
| 83       | 80.0  | 63.0  | 117.0 |
| 85       | 53.4  | 39.0  | 72.4  |

