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 Data File : VU047703.D  
 Acq On : 26 Mar 2022 13:04  
 Operator : SY/MD  
 Sample : N2082-10  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

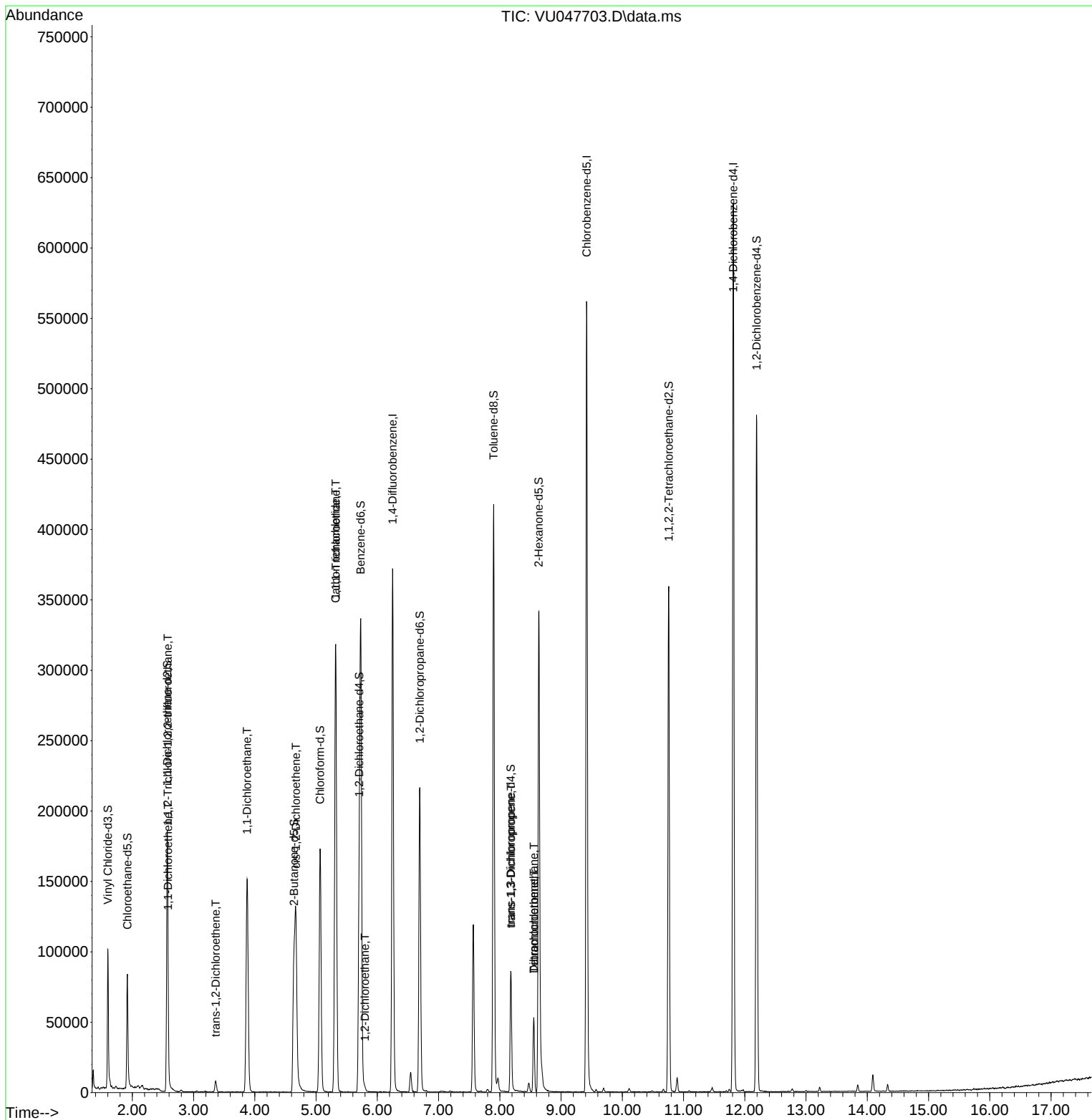
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW601

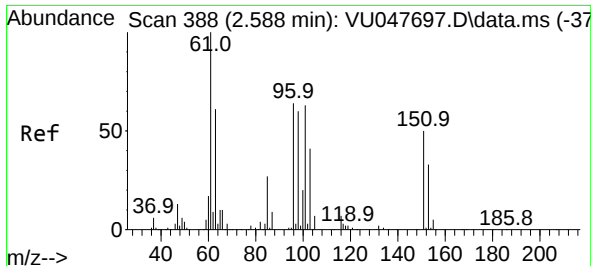
Quant Time: Mar 28 05:07:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 28 05:05:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 315657     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 326404     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 176589     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 70585      | 30.836   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 61.680%  |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 62514      | 34.636   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 69.280%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.571          | 63   | 105442     | 25.177   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 50.360%# |        |          |
| 21) 2-Butanone-d5             | 4.639          | 46   | 171527     | 87.303   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 87.300%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 161691     | 38.605   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 77.220%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 102943     | 40.075   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 80.140%  |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 311381     | 37.912   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 75.820%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 103111     | 40.879   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 81.760%  |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 284250     | 35.522   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 71.040%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 48828      | 38.210   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 76.420%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 125274     | 84.840   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 84.840%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 177130     | 40.919   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.840%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 131523     | 41.864   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 83.720%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578          | 101  | 1081       | 0.465    | ug/L # | 22       |
| 12) 1,1-Dichloroethene        | 2.584          | 96   | 3206       | 1.481    | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 3.362          | 96   | 3243       | 1.389    | ug/L   | 92       |
| 19) 1,1-Dichloroethane        | 3.874          | 63   | 174822     | 43.403   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.671          | 96   | 48924      | 19.108   | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.796          | 62   | 1650       | 0.492    | ug/L # | 75       |
| 30) 1,1,1-Trichloroethane     | 5.321          | 97   | 230162     | 62.188   | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.317          | 117  | 32116      | 9.610    | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 2412       | 0.648    | ug/L   | 96       |
| 46) Tetrachloroethene         | 8.555          | 164  | 12503      | 5.617    | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.555          | 129  | 10920      | 3.701    | ug/L # | 11       |
| -----                         |                |      |            |          |        |          |

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

Quant Time: Mar 28 05:07:45 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 28 05:05:44 2022  
Response via : Initial Calibration

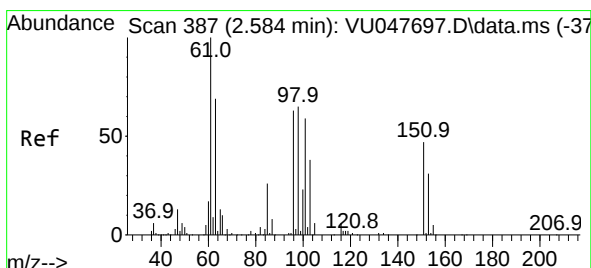
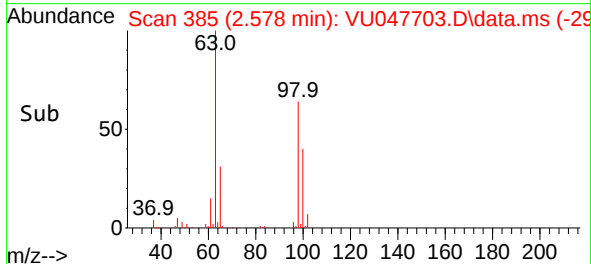
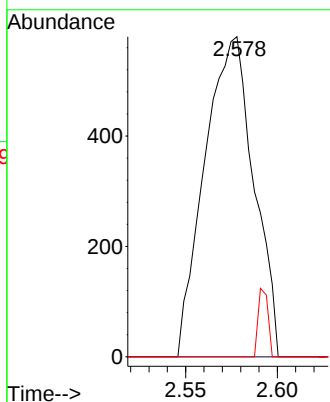
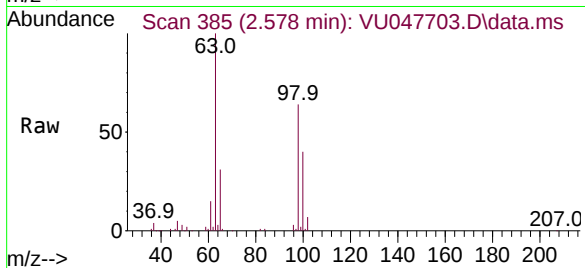




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.465 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.010 min  
 Lab File: VU047703.D  
 Acq: 26 Mar 2022 13:04

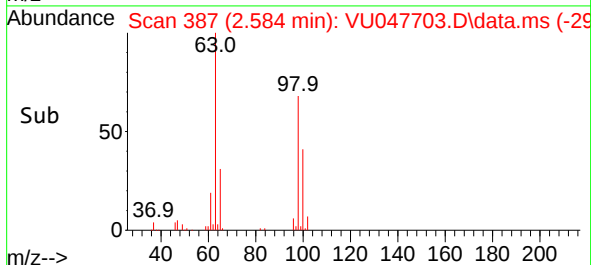
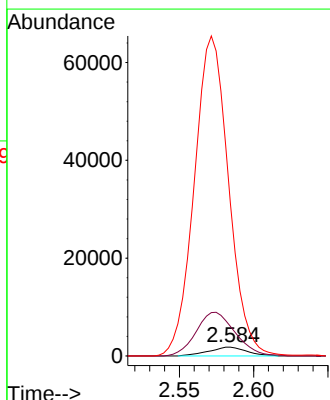
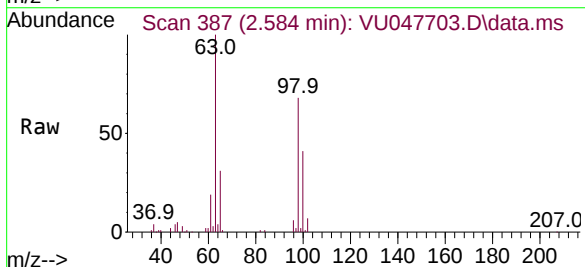
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW601

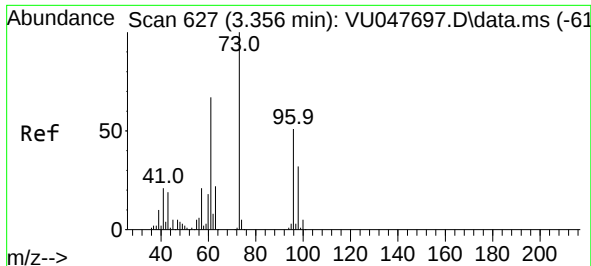
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 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.8 49.2#  
 151 4.3 63.0 94.6#



#12  
 1,1-Dichloroethene  
 Concen: 1.481 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. -0.000 min  
 Lab File: VU047703.D  
 Acq: 26 Mar 2022 13:04

Tgt Ion: 96 Resp: 3206  
 Ion Ratio Lower Upper  
 96 100  
 61 335.1 113.1 210.1#  
 63 1732.4 94.8 176.0#

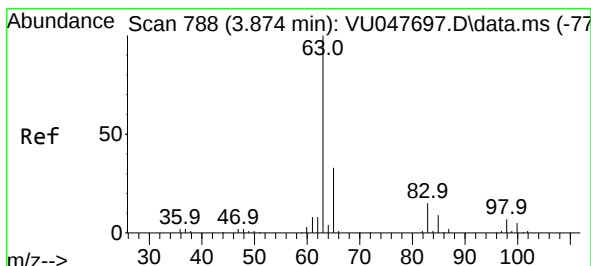
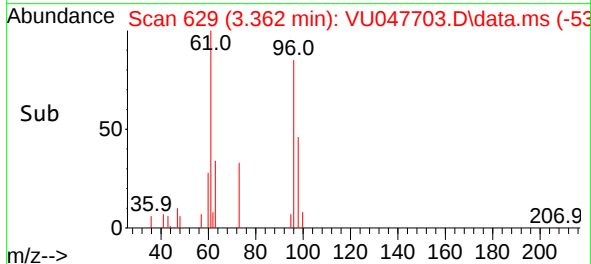
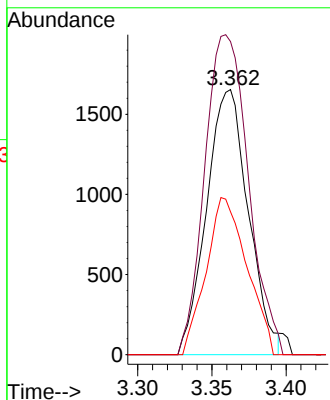
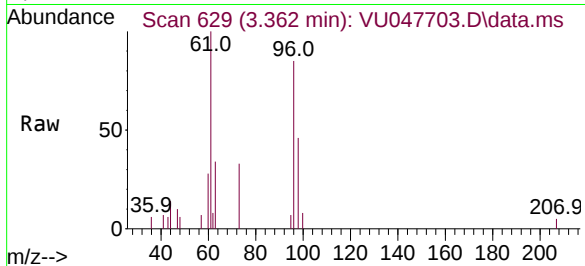




#17  
trans-1,2-Dichloroethene  
Concen: 1.389 ug/L  
RT: 3.362 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VU047703.D  
Acq: 26 Mar 2022 13:04

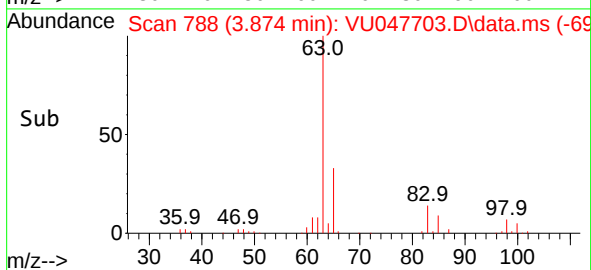
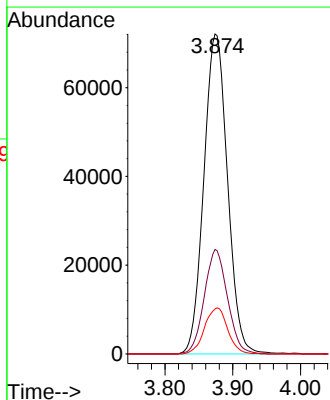
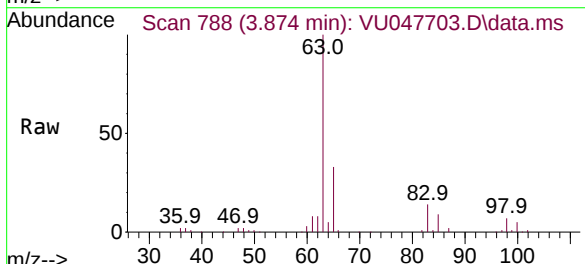
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW601

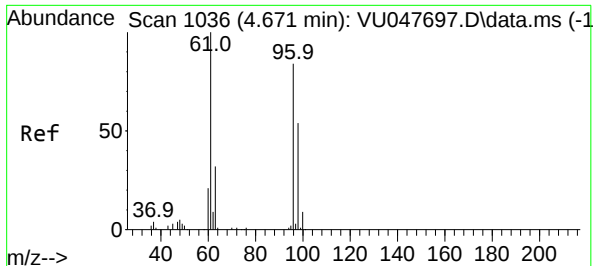
Tgt Ion: 96 Resp: 3243  
Ion Ratio Lower Upper  
96 100  
61 118.1 88.4 164.2  
98 53.9 43.3 80.5



#19  
1,1-Dichloroethane  
Concen: 43.403 ug/L  
RT: 3.874 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: VU047703.D  
Acq: 26 Mar 2022 13:04

Tgt Ion: 63 Resp: 174822  
Ion Ratio Lower Upper  
63 100  
65 32.7 22.0 41.0  
83 14.0 9.7 18.1

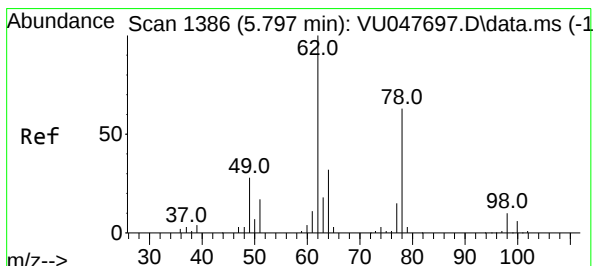
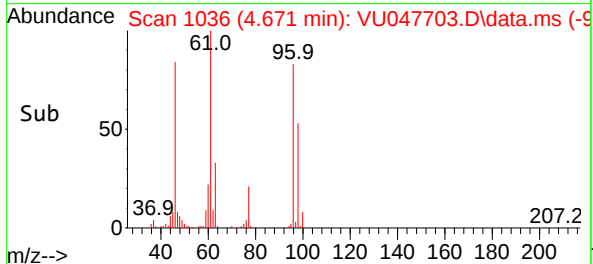
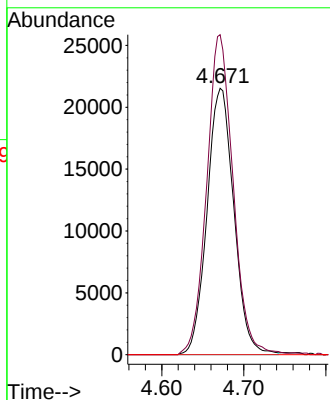
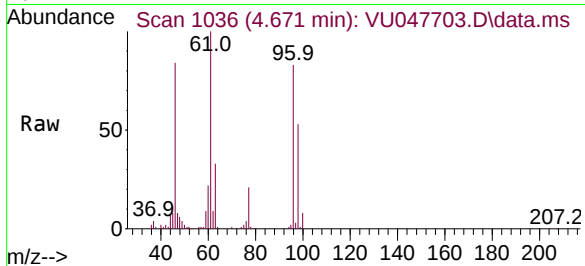




#20  
 cis-1,2-Dichloroethene  
 Concen: 19.108 ug/L  
 RT: 4.671 min Scan# 1036  
 Delta R.T. -0.000 min  
 Lab File: VU047703.D  
 Acq: 26 Mar 2022 13:04

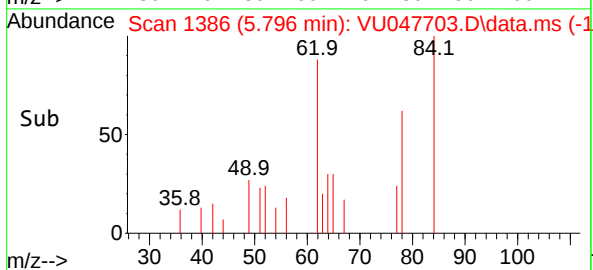
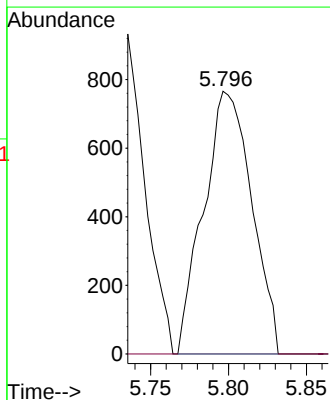
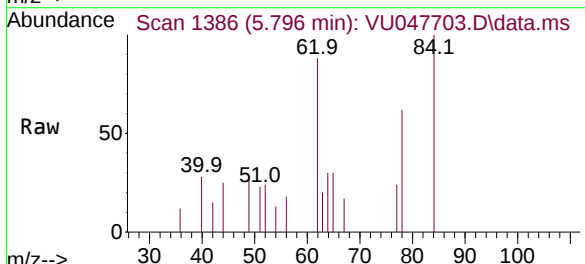
Instrument :  
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 ClientSampleId :  
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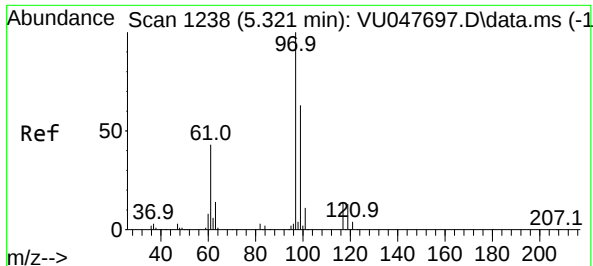
Tgt Ion: 96 Resp: 48924  
 Ion Ratio Lower Upper  
 96 100  
 61 120.1 80.7 149.9  
 68 0.0 0.0 0.0



#27  
 1,2-Dichloroethane  
 Concen: 0.492 ug/L  
 RT: 5.796 min Scan# 1386  
 Delta R.T. -0.000 min  
 Lab File: VU047703.D  
 Acq: 26 Mar 2022 13:04

Tgt Ion: 62 Resp: 1650  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 62.188 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047703.D

Acq: 26 Mar 2022 13:04

Instrument :

MSVOA\_U

ClientSampleId :

EW601

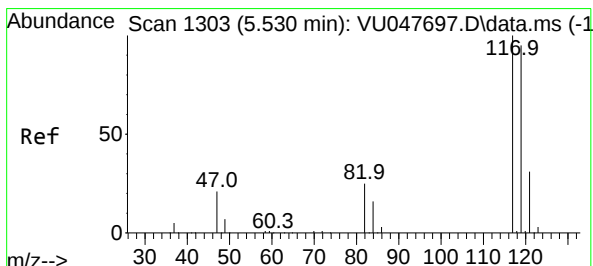
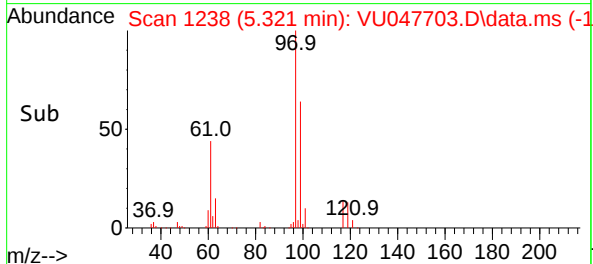
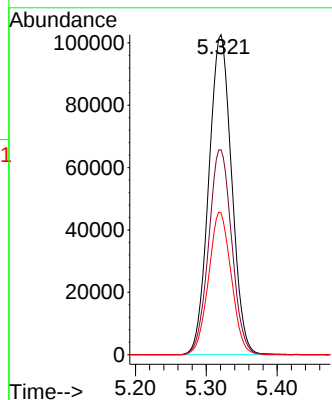
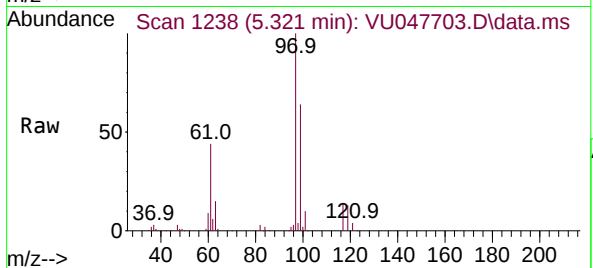
Tgt Ion: 97 Resp: 230162

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 44.1 34.2 51.4



#31

Carbon tetrachloride

Concen: 9.610 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.212 min

Lab File: VU047703.D

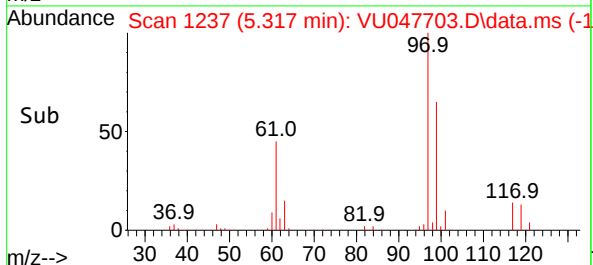
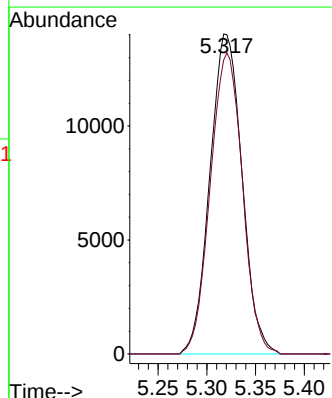
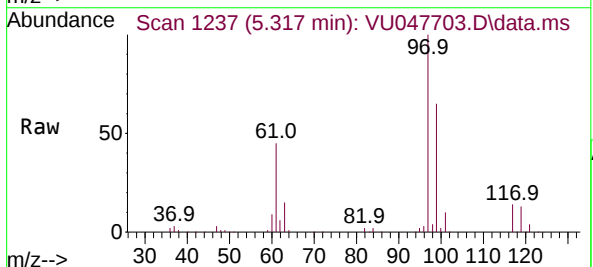
Acq: 26 Mar 2022 13:04

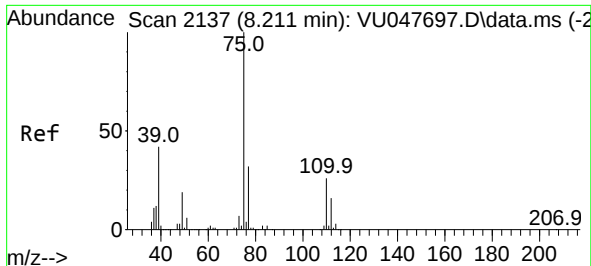
Tgt Ion: 117 Resp: 32116

Ion Ratio Lower Upper

117 100

119 94.0 77.2 115.8

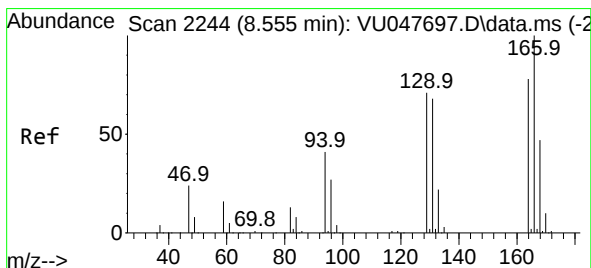
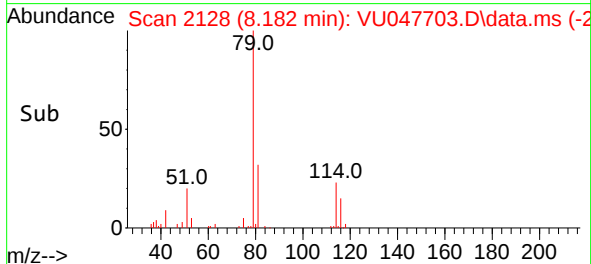
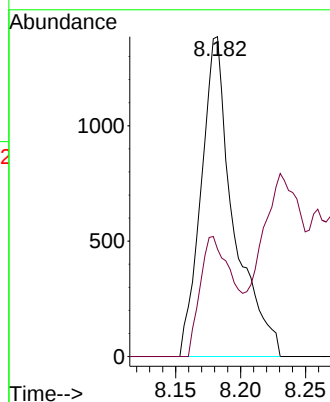
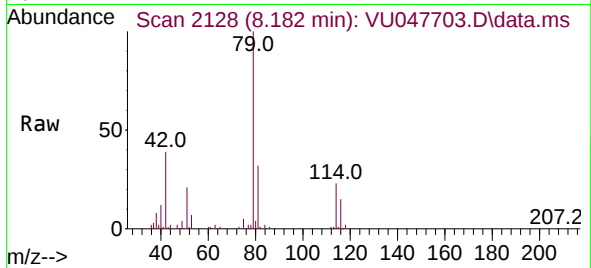




#44  
trans-1,3-Dichloropropene  
Concen: 0.648 ug/L  
RT: 8.182 min Scan# 2137  
Delta R.T. -0.029 min  
Lab File: VU047703.D  
Acq: 26 Mar 2022 13:04

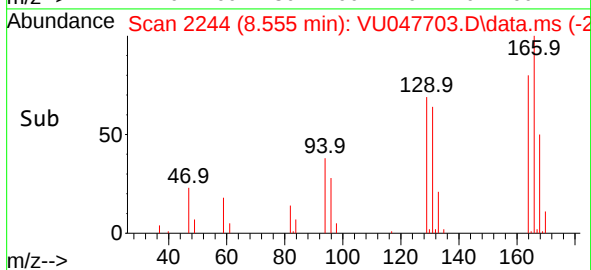
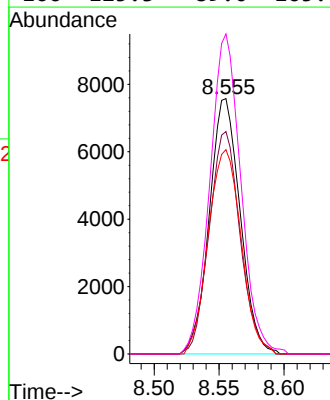
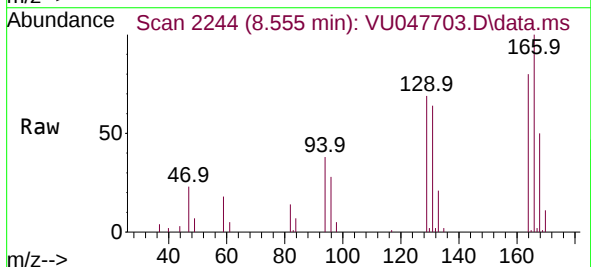
Instrument :  
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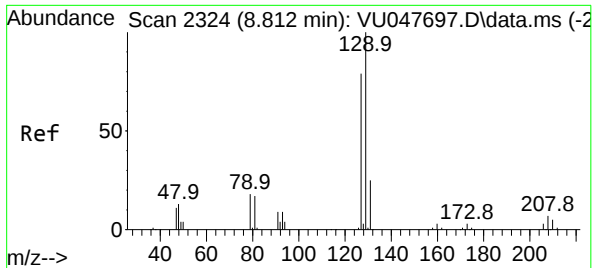
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Ion Ratio Lower Upper  
75 100  
77 33.6 22.0 40.8



#46  
Tetrachloroethene  
Concen: 5.617 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU047703.D  
Acq: 26 Mar 2022 13:04

Tgt Ion: 164 Resp: 12503  
Ion Ratio Lower Upper  
164 100  
129 87.1 62.4 116.0  
131 80.0 60.7 112.7  
166 125.3 89.0 165.4





#49  
 Dibromochloromethane  
 Concen: 3.701 ug/L  
 RT: 8.555 min Scan# 21  
 Delta R.T. -0.257 min  
 Lab File: VU047703.D  
 Acq: 26 Mar 2022 13:04

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW601

Tgt Ion:129 Resp: 10920  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 54.2 100.6#

