

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061523\  
 Data File : VU054524.D  
 Acq On : 15 Jun 2023 14:22  
 Operator : MD/SY  
 Sample : 03253-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXYW2

Quant Time: Jun 16 01:31:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jun 14 00:05:43 2023  
 Response via : Initial Calibration

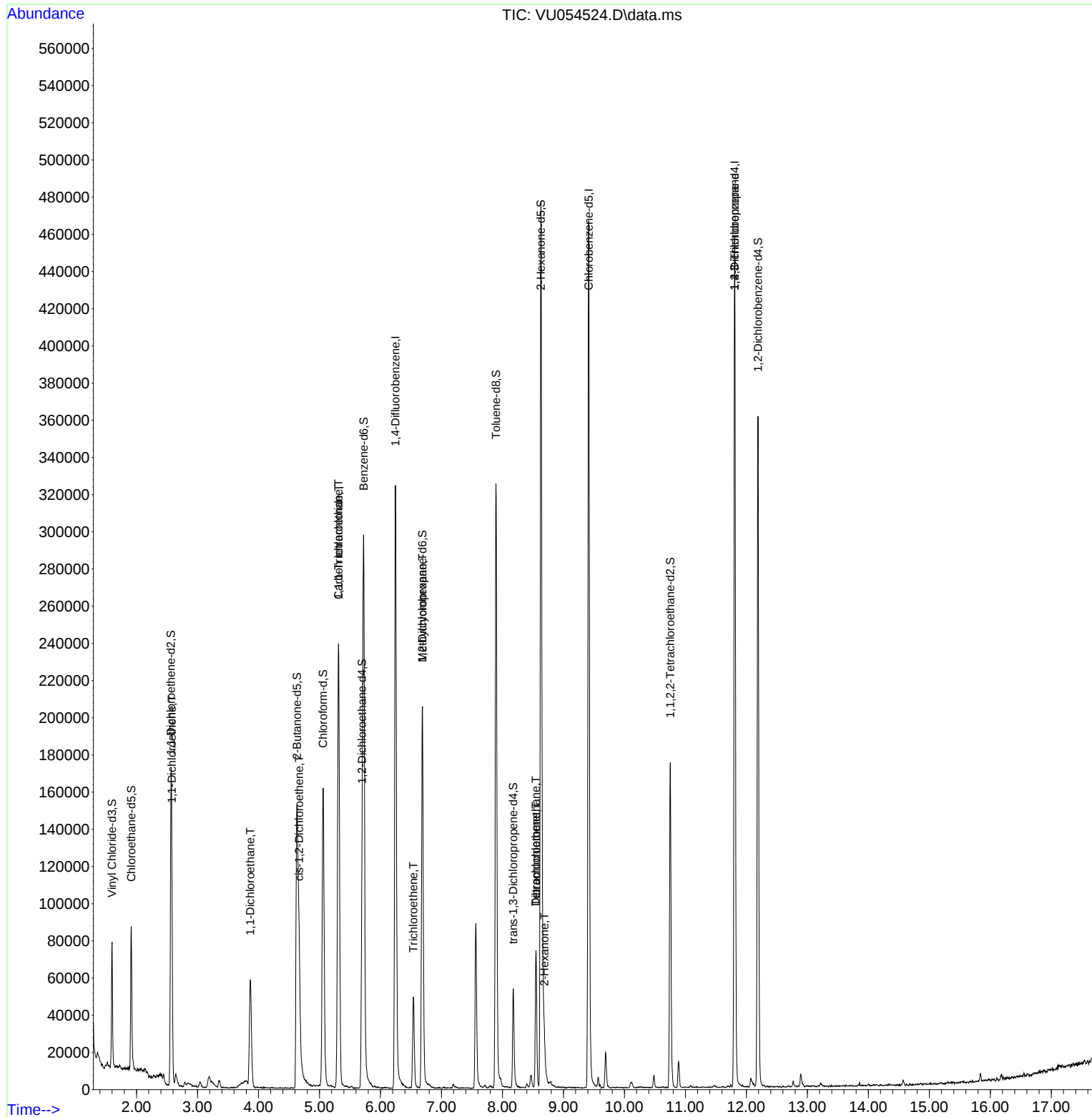
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 271096   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 268376   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 130992   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 50253    | 2.913    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 58.200%  |
| 7) Chloroethane-d5            | 1.914  | 69    | 59472    | 3.682    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 73.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 25202    | 3.271    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 65.400%  |
| 20) 2-Butanone-d5             | 4.631  | 46    | 250241   | 51.588   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 103.180% |
| 24) Chloroform-d              | 5.058  | 84    | 156483   | 4.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 79066    | 4.498    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.000%  |
| 32) Benzene-d6                | 5.724  | 84    | 277236   | 3.716    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 74.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.688  | 67    | 102210   | 4.102    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.000%  |
| 41) Toluene-d8                | 7.894  | 98    | 228706   | 3.454    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 69.000%# |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 33124    | 3.823    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 76.400%  |
| 46) 2-Hexanone-d5             | 8.630  | 63    | 158953   | 43.730   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 87.460%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 85697    | 4.613    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 97112    | 4.395    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.579  | 96    | 25592    | 1.302    | ug/L # | 63       |
| 19) 1,1-Dichloroethane        | 3.865  | 63    | 69616    | 1.657    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96    | 24209    | 1.047    | ug/L   | 93       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97    | 174267   | 4.789    | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.312  | 117   | 23194    | 0.740    | ug/L   | 98       |
| 34) Trichloroethene           | 6.541  | 95    | 16848    | 0.661    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.688  | 83    | 22806    | 0.592    | ug/L # | 16       |
| 47) Tetrachloroethene         | 8.550  | 164   | 16473    | 0.844    | ug/L   | 97       |
| 48) 2-Hexanone                | 8.688  | 43    | 12931    | 1.247    | ug/L   | 91       |
| 49) Dibromochloromethane      | 8.550  | 129   | 16408    | 0.942    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 15221    | 1.150    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

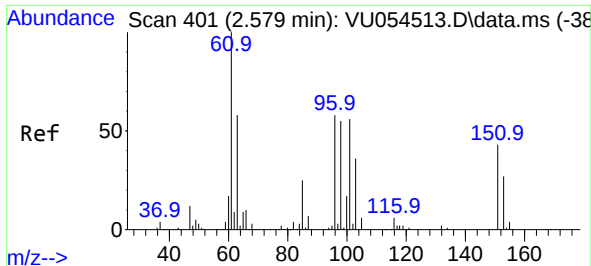
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061523\  
Data File : VU054524.D  
Acq On : 15 Jun 2023 14:22  
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Sample : 03253-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXYW2

Quant Time: Jun 16 01:31:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060723WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jun 14 00:05:43 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.302 ug/L

RT: 2.579 min Scan# 401

Delta R.T. -0.000 min

Lab File: VU054524.D

Acq: 15 Jun 2023 14:22

Instrument :

MSVOA\_U

ClientSampleId :

EXYW2

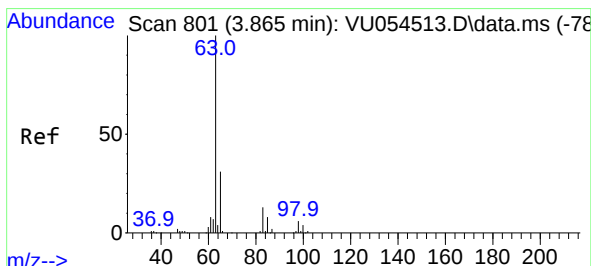
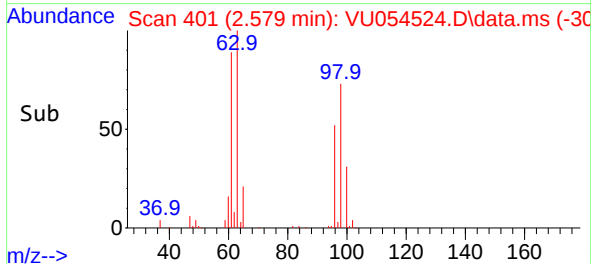
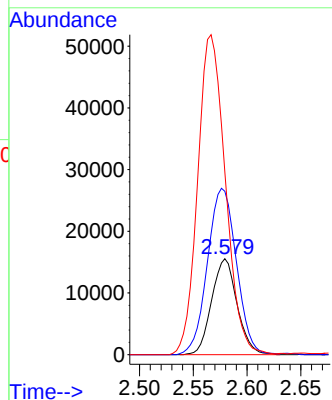
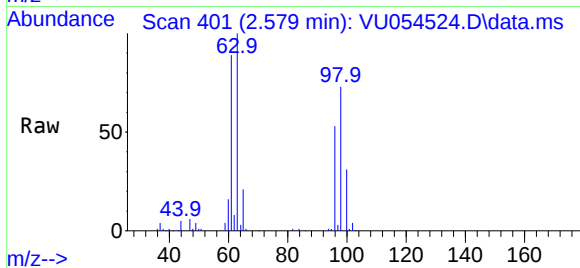
Tgt Ion: 96 Resp: 25592

Ion Ratio Lower Upper

96 100

61 170.1 119.9 222.7

63 190.3 64.3 119.3#



#19

1,1-Dichloroethane

Concen: 1.657 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054524.D

Acq: 15 Jun 2023 14:22

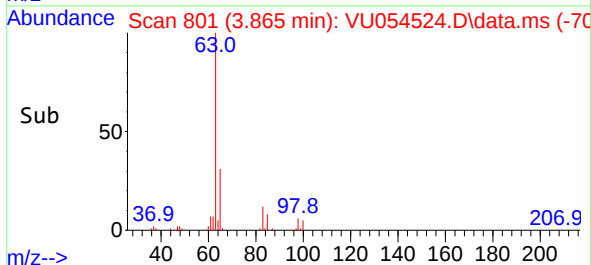
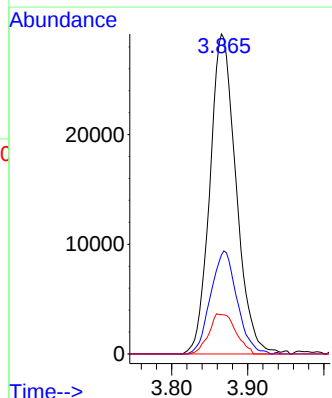
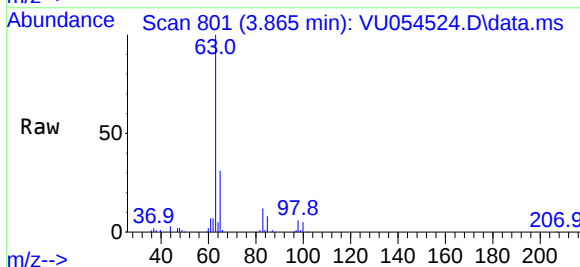
Tgt Ion: 63 Resp: 69616

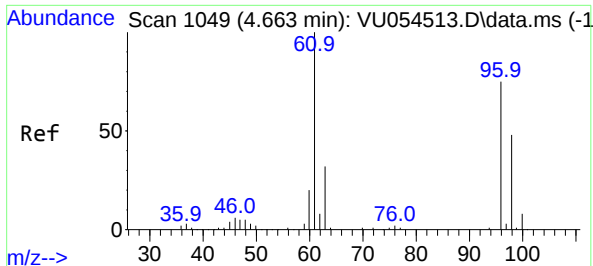
Ion Ratio Lower Upper

63 100

65 31.0 22.2 41.2

83 12.3 9.0 16.6

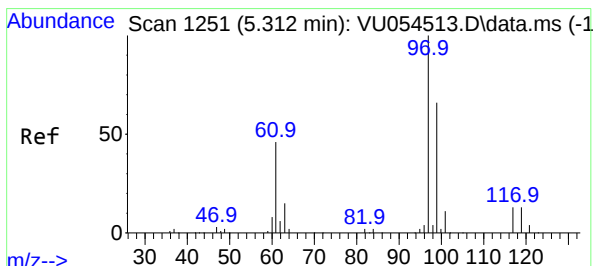
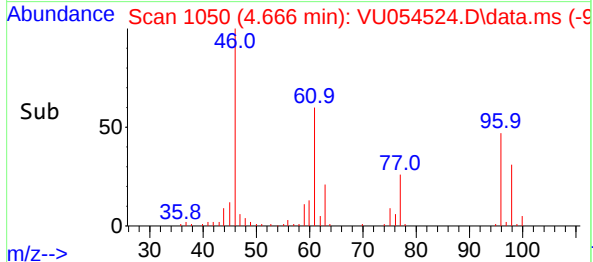
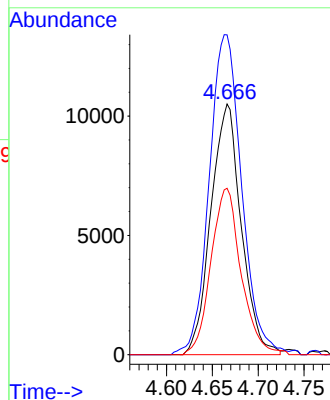
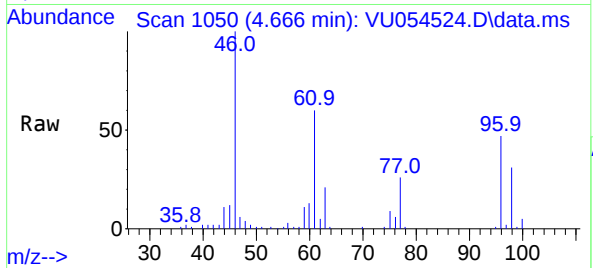




#22  
 cis-1,2-Dichloroethene  
 Concen: 1.047 ug/L  
 RT: 4.666 min Scan# 1050  
 Delta R.T. 0.003 min  
 Lab File: VU054524.D  
 Acq: 15 Jun 2023 14:22

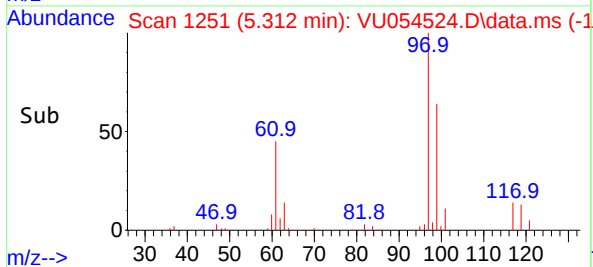
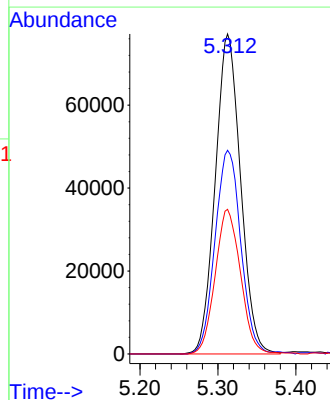
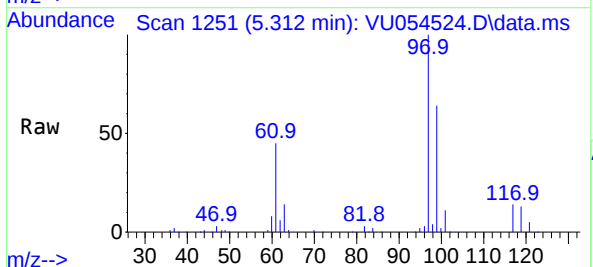
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXYW2

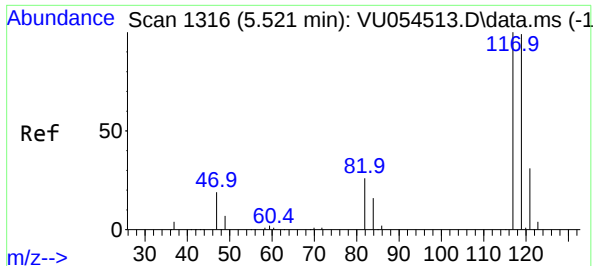
Tgt Ion: 96 Resp: 24209  
 Ion Ratio Lower Upper  
 96 100  
 61 127.6 96.5 179.1  
 98 66.4 44.9 83.3



#29  
 1,1,1-Trichloroethane  
 Concen: 4.789 ug/L  
 RT: 5.312 min Scan# 1251  
 Delta R.T. -0.000 min  
 Lab File: VU054524.D  
 Acq: 15 Jun 2023 14:22

Tgt Ion: 97 Resp: 174267  
 Ion Ratio Lower Upper  
 97 100  
 99 64.8 50.8 76.2  
 61 45.3 36.1 54.1

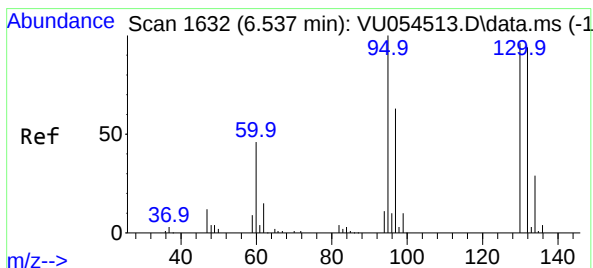
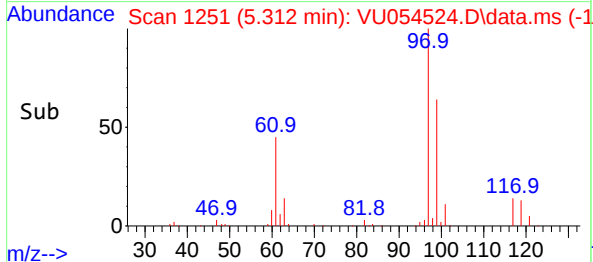
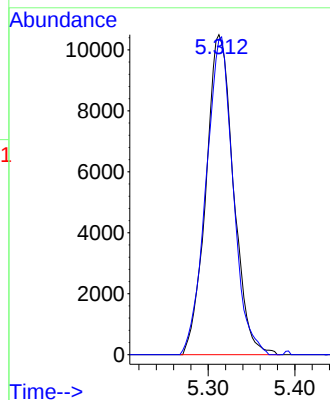
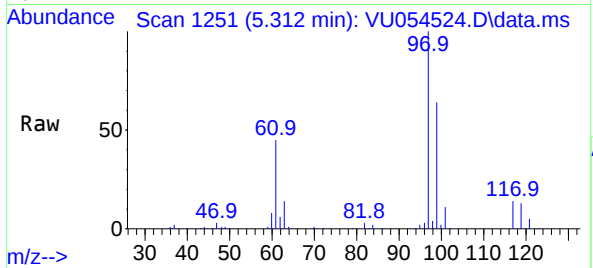




#31  
Carbon tetrachloride  
Concen: 0.740 ug/L  
RT: 5.312 min Scan# 117  
Delta R.T. -0.209 min  
Lab File: VU054524.D  
Acq: 15 Jun 2023 14:22

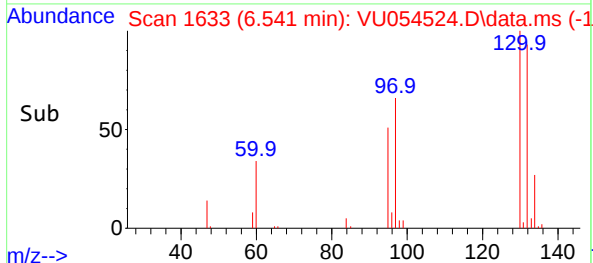
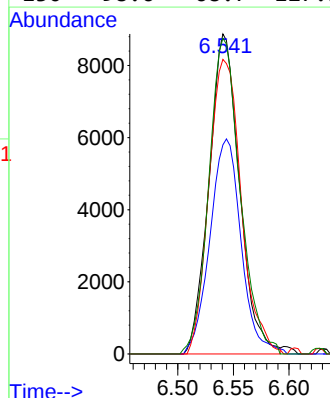
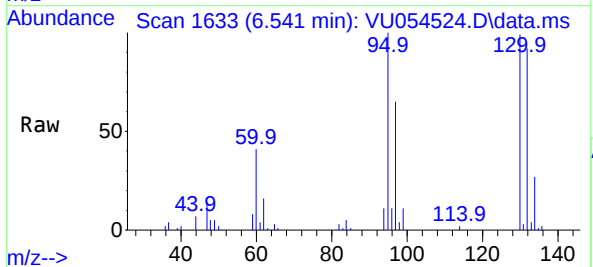
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXYW2

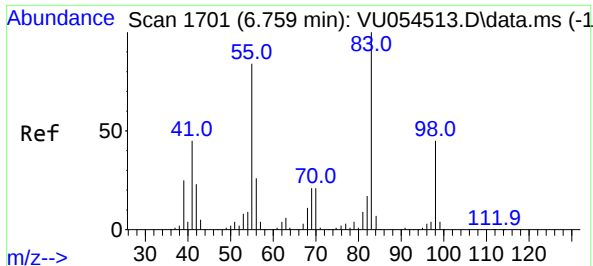
Tgt Ion:117 Resp: 23194  
Ion Ratio Lower Upper  
117 100  
119 97.8 76.8 115.2



#34  
Trichloroethene  
Concen: 0.661 ug/L  
RT: 6.541 min Scan# 1633  
Delta R.T. -0.000 min  
Lab File: VU054524.D  
Acq: 15 Jun 2023 14:22

Tgt Ion: 95 Resp: 16848  
Ion Ratio Lower Upper  
95 100  
97 65.4 46.8 87.0  
132 92.1 68.4 127.0  
130 98.6 68.7 127.5





#35

Methylcyclohexane

Concen: 0.592 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU054524.D

Acq: 15 Jun 2023 14:22

Instrument :

MSVOA\_U

ClientSampleId :

EXYW2

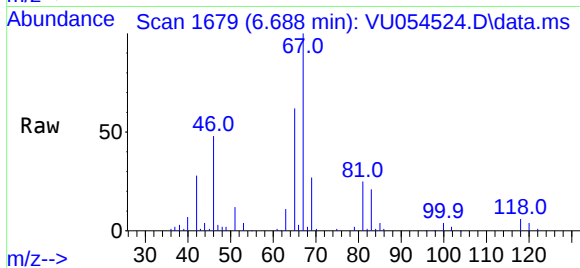
Tgt Ion: 83 Resp: 22806

Ion Ratio Lower Upper

83 100

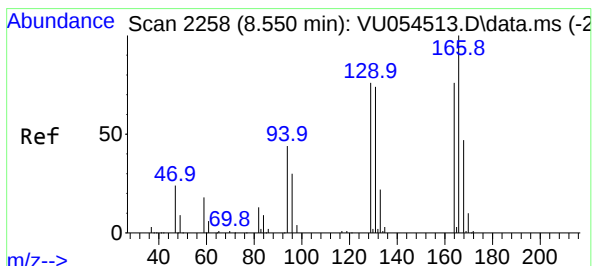
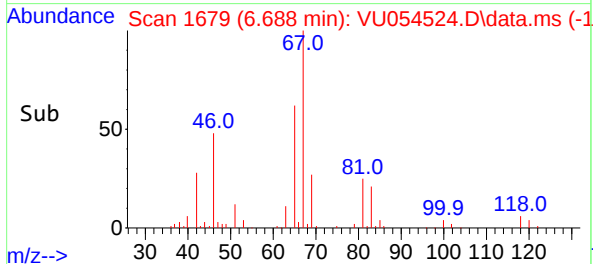
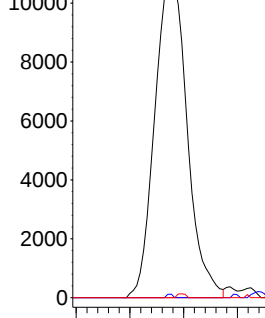
55 0.2 67.1 100.7#

98 0.3 35.1 52.7#



Abundance

6.688



#47

Tetrachloroethene

Concen: 0.844 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU054524.D

Acq: 15 Jun 2023 14:22

Tgt Ion: 164 Resp: 16473

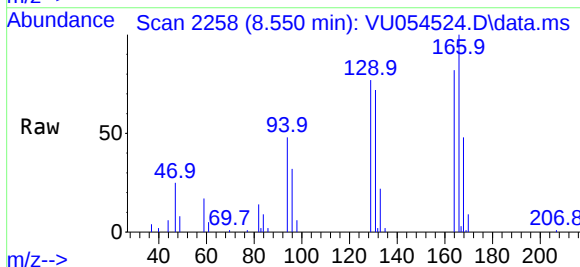
Ion Ratio Lower Upper

164 100

129 94.1 67.7 125.7

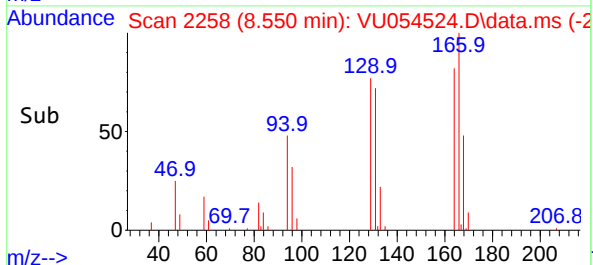
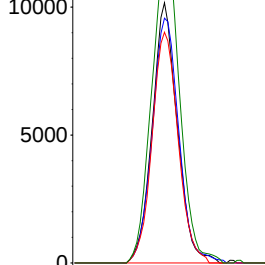
131 88.7 64.6 120.0

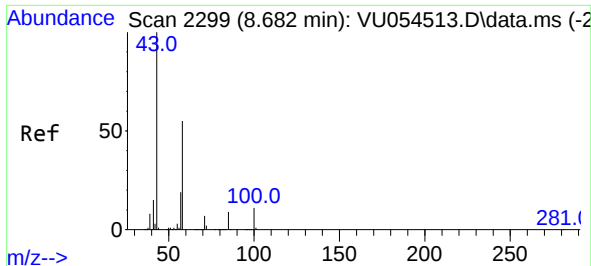
166 122.6 88.1 163.7



Abundance

8.550



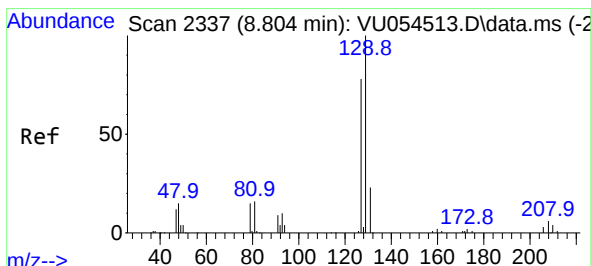
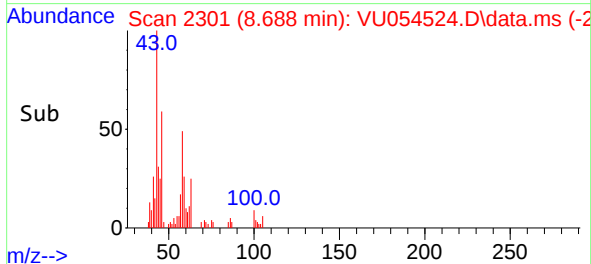
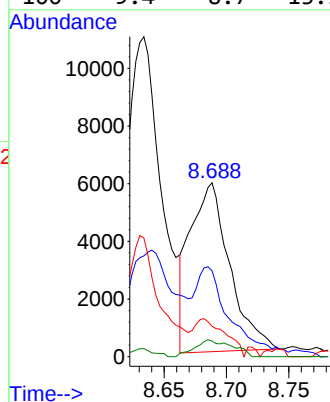
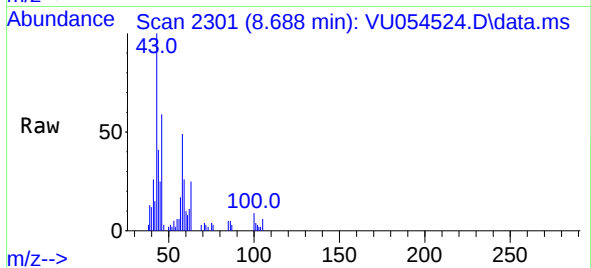


#48  
2-Hexanone  
Concen: 1.247 ug/L  
RT: 8.688 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU054524.D  
Acq: 15 Jun 2023 14:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXYW2

Tgt Ion: 43 Resp: 12931

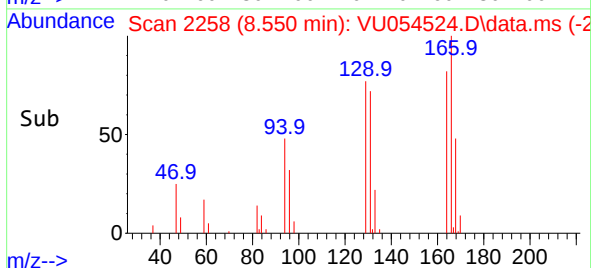
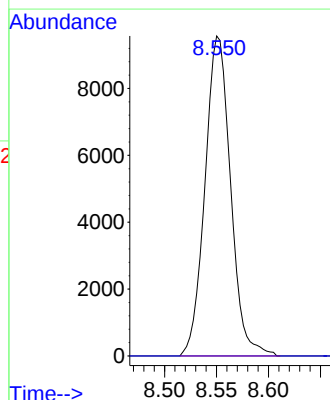
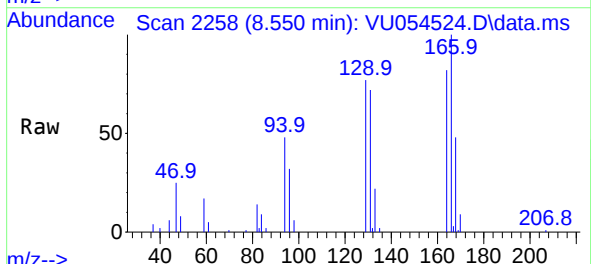
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 48.1  | 45.2  | 67.8  |
| 57  | 17.9  | 15.8  | 23.6  |
| 100 | 9.4   | 8.7   | 13.1  |

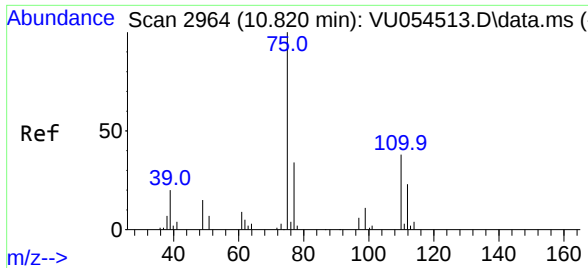


#49  
Dibromochloromethane  
Concen: 0.942 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.254 min  
Lab File: VU054524.D  
Acq: 15 Jun 2023 14:22

Tgt Ion: 129 Resp: 16408

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 0.0   | 53.2  | 98.8# |





#61  
1,2,3-Trichloropropane  
Concen: 1.150 ug/L  
RT: 11.807 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU054524.D  
Acq: 15 Jun 2023 14:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXYW2

Tgt Ion: 75 Resp: 15221  
Ion Ratio Lower Upper  
75 100  
110 2.6 28.0 42.0#  
77 36.1 25.4 38.2

