

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042523\  
 Data File : VU053886.D  
 Acq On : 25 Apr 2023 16:01  
 Operator : JC/MD  
 Sample : 02392-01DL 20X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE12DL

Quant Time: Apr 26 05:13:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 26 05:09:52 2023  
 Response via : Initial Calibration

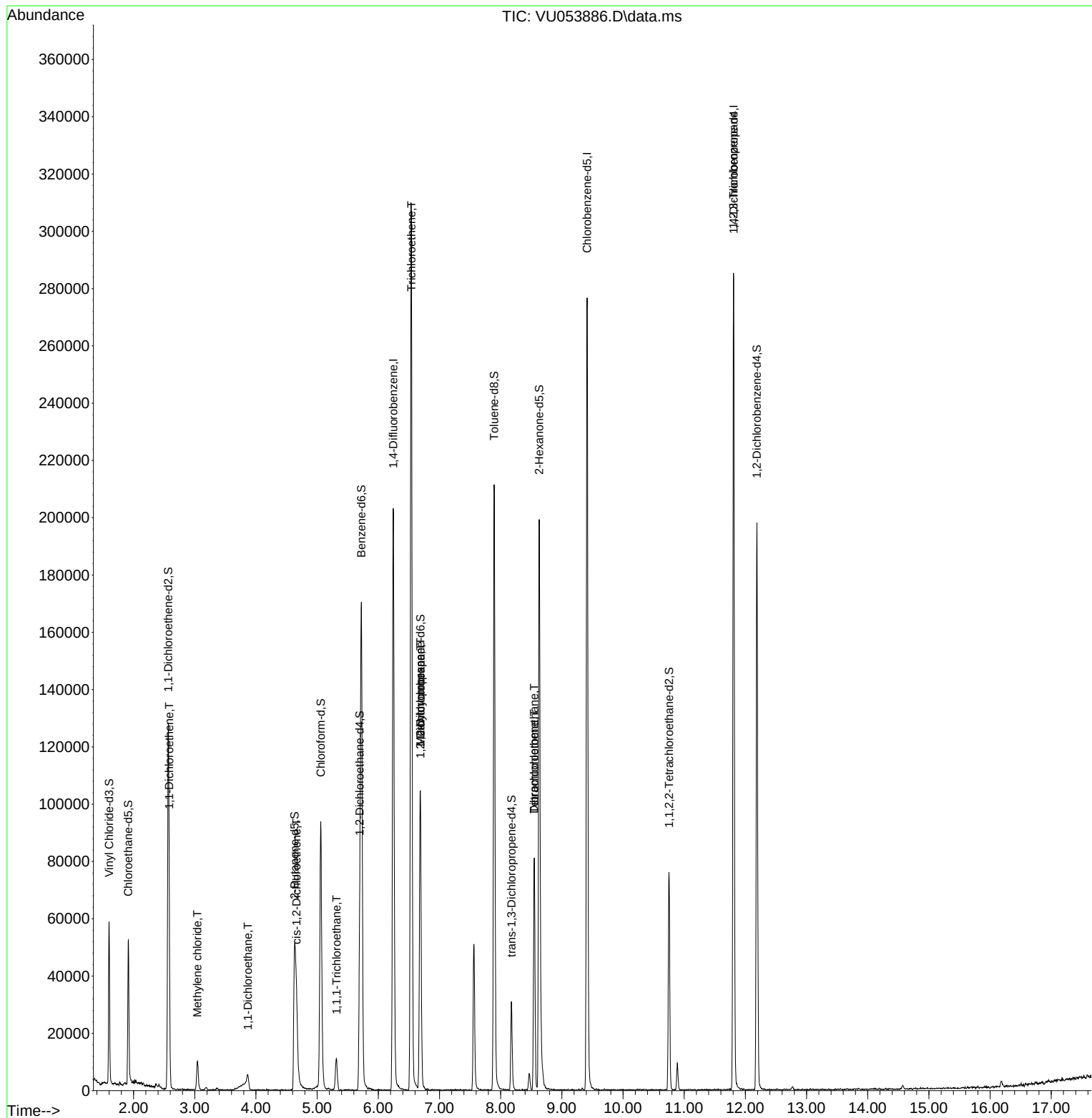
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 176578   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 167524   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 80427    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 44121    | 4.102    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.000%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 38993    | 4.320    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 17771    | 4.015    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 80.200%  |
| 20) 2-Butanone-d5             | 4.633  | 46    | 89764    | 45.568   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 91.140%  |
| 24) Chloroform-d              | 5.060  | 84    | 85545    | 4.221    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 40827    | 4.359    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.200%  |
| 32) Benzene-d6                | 5.723  | 84    | 171221   | 4.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 54242    | 4.543    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.800%  |
| 41) Toluene-d8                | 7.893  | 98    | 152527   | 4.141    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.800%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 18749    | 3.993    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 79.800%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 73625    | 44.307   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 39094    | 4.052    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 81.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 53404    | 4.140    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 82.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 16874    | 1.519    | ug/L # | 67       |
| 16) Methylene chloride        | 3.041  | 84    | 5448     | 0.359    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 5050     | 0.249    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 8986     | 0.710    | ug/L   | 92       |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97    | 7897     | 0.419    | ug/L # | 74       |
| 34) Trichloroethene           | 6.539  | 95    | 106473   | 8.274    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.687  | 83    | 12824    | 0.645    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 5649     | 0.482    | ug/L # | 87       |
| 47) Tetrachloroethene         | 8.549  | 164   | 19100    | 1.873    | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.549  | 129   | 17452    | 1.877    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 9002     | 1.451    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

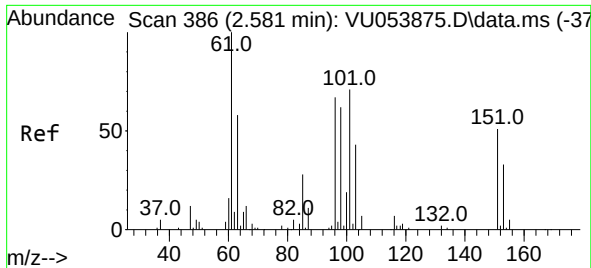
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Apr 26 05:09:52 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.519 ug/L

RT: 2.581 min Scan# 3

Delta R.T. 0.000 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

Instrument :

MSVOA\_U

ClientSampleId :

BHE12DL

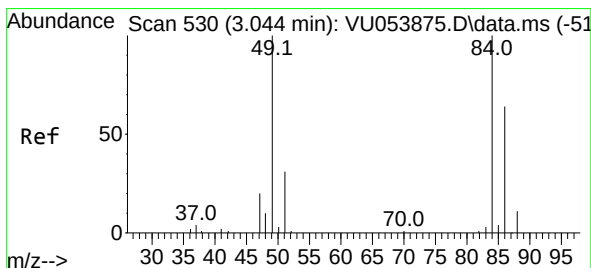
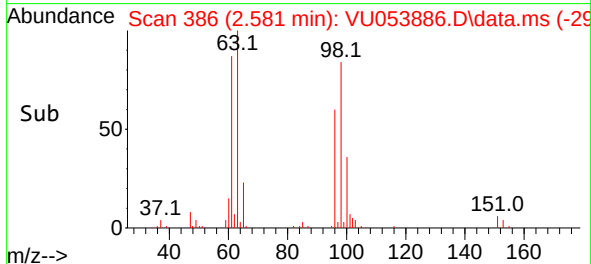
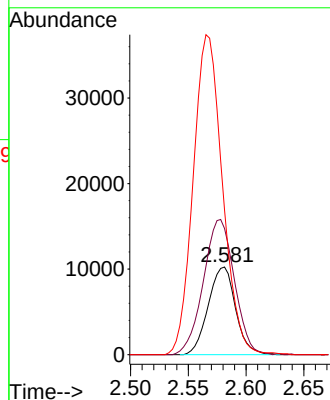
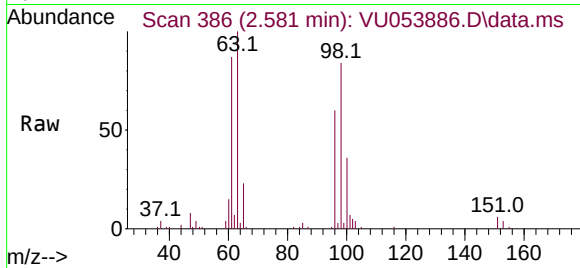
Tgt Ion: 96 Resp: 16874

Ion Ratio Lower Upper

96 100

61 144.0 111.5 207.1

63 165.4 68.7 127.7#



#16

Methylene chloride

Concen: 0.359 ug/L

RT: 3.041 min Scan# 529

Delta R.T. -0.003 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

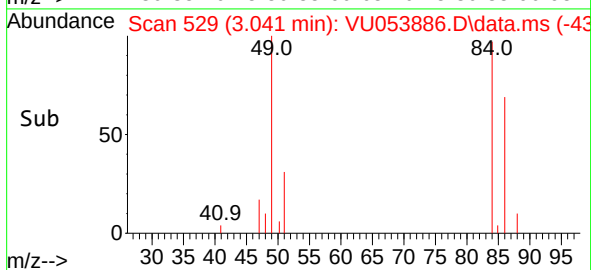
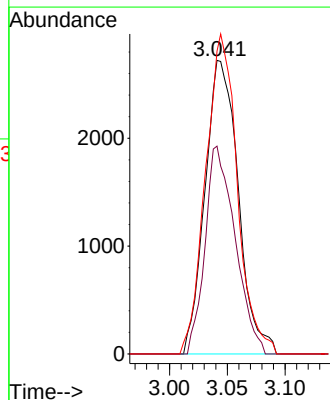
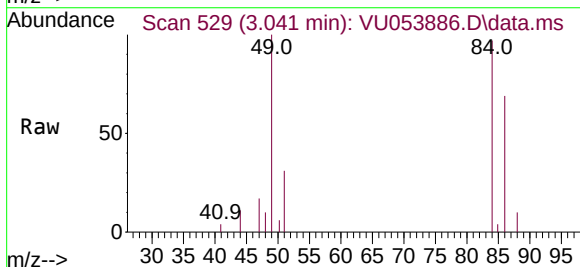
Tgt Ion: 84 Resp: 5448

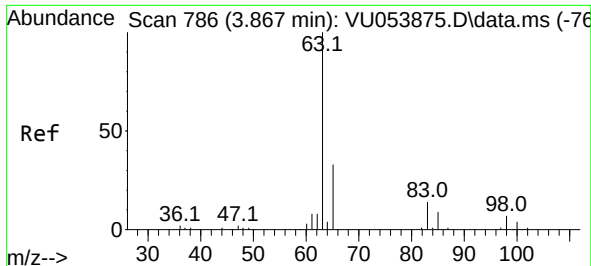
Ion Ratio Lower Upper

84 100

86 70.8 45.0 83.6

49 103.1 74.8 138.8





#19

1,1-Dichloroethane

Concen: 0.249 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

Instrument :

MSVOA\_U

ClientSampleId :

BHE12DL

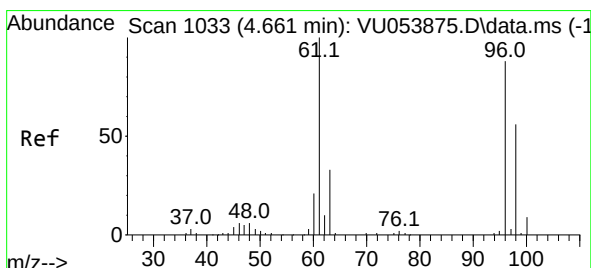
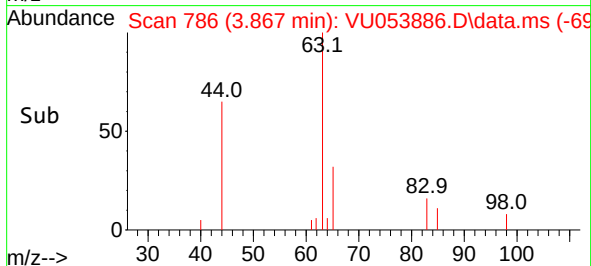
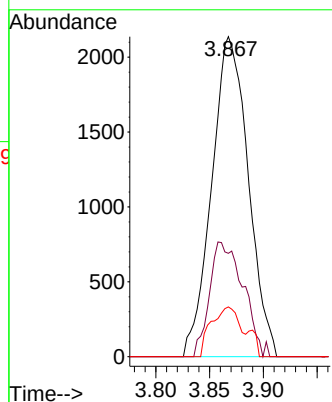
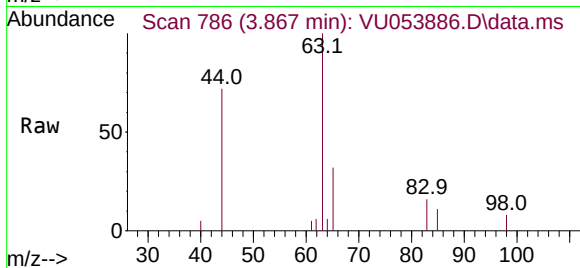
Tgt Ion: 63 Resp: 5050

Ion Ratio Lower Upper

63 100

65 32.3 22.0 40.8

83 15.5 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 0.710 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

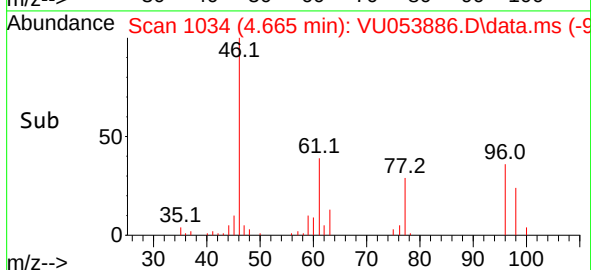
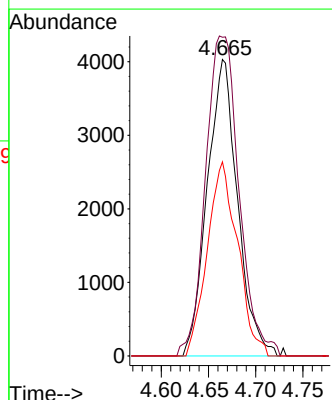
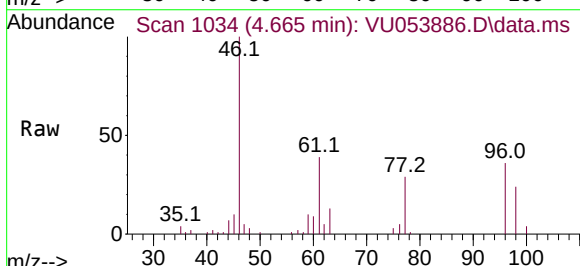
Tgt Ion: 96 Resp: 8986

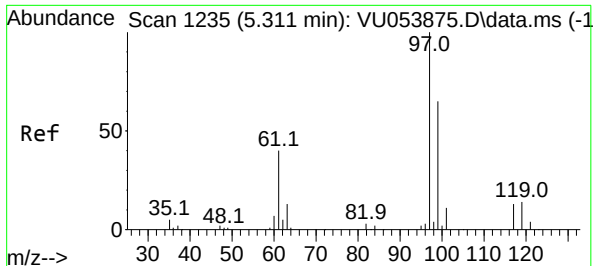
Ion Ratio Lower Upper

96 100

61 107.5 84.3 156.5

98 65.4 46.4 86.2





#29

1,1,1-Trichloroethane

Concen: 0.419 ug/L

RT: 5.317 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

Instrument :

MSVOA\_U

ClientSampleId :

BHE12DL

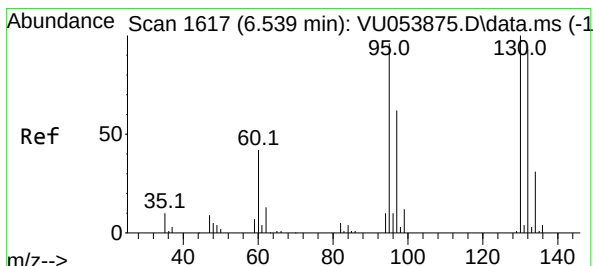
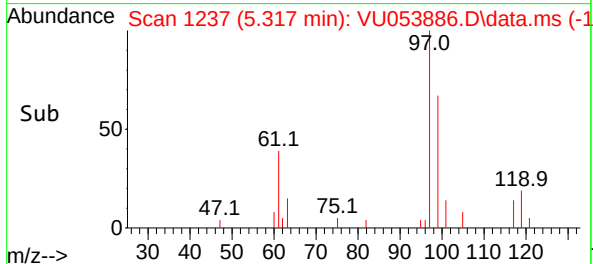
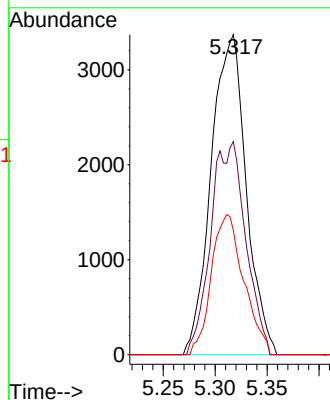
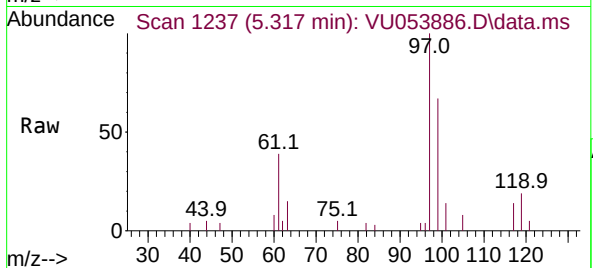
Tgt Ion: 97 Resp: 7897

Ion Ratio Lower Upper

97 100

99 33.0 52.9 79.3#

61 40.6 33.8 50.8



#34

Trichloroethene

Concen: 8.274 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

Tgt Ion: 95 Resp: 106473

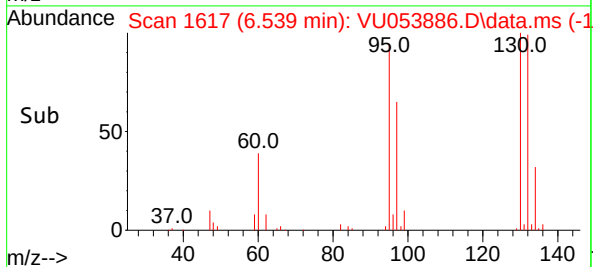
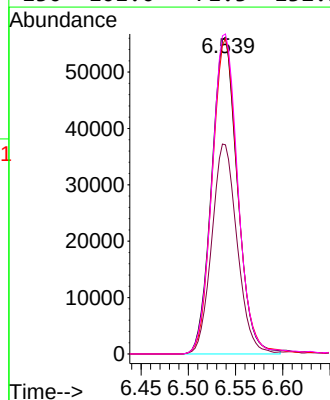
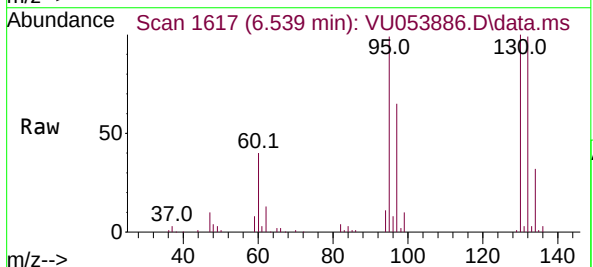
Ion Ratio Lower Upper

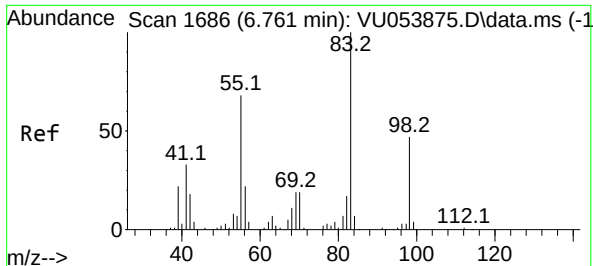
95 100

97 66.0 45.1 83.9

132 99.6 69.9 129.9

130 101.0 71.3 132.3





#35

Methylcyclohexane

Concen: 0.645 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU053886.D

Acq: 25 Apr 2023 16:01

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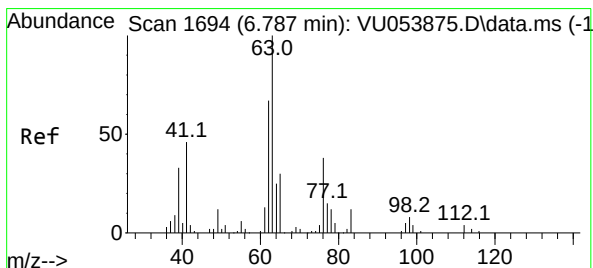
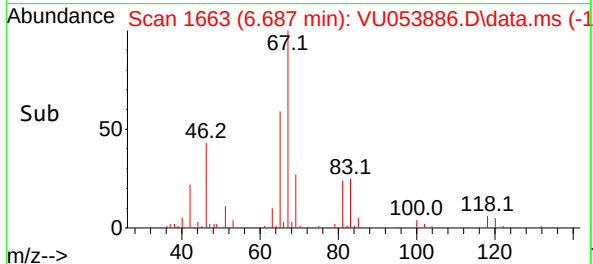
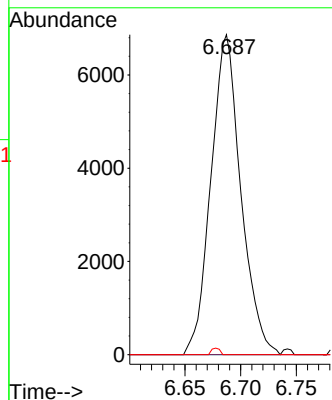
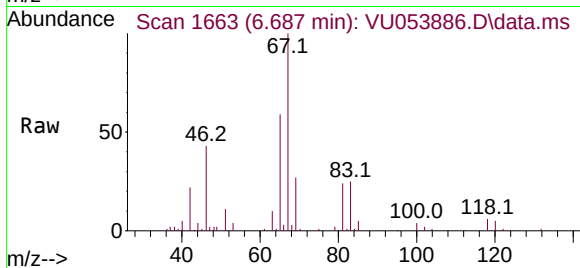
Tgt Ion: 83 Resp: 12824

Ion Ratio Lower Upper

83 100

55 0.0 55.4 83.2#

98 0.0 37.3 55.9#



#37

1,2-Dichloropropane

Concen: 0.482 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.096 min

Lab File: VU053886.D

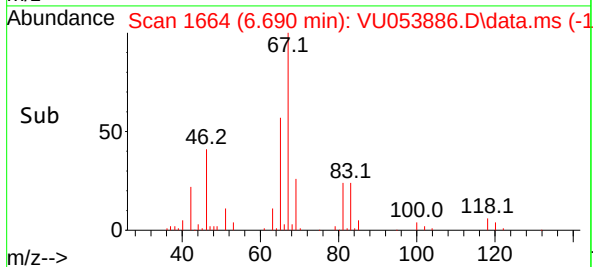
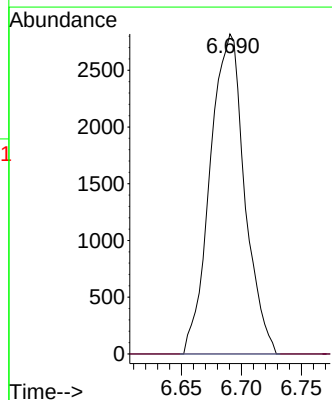
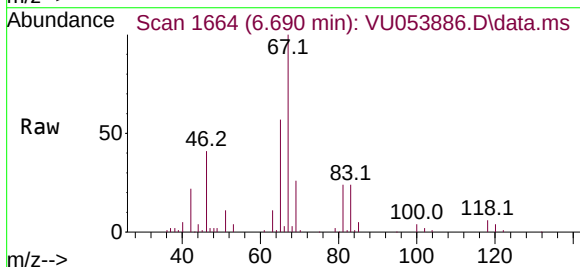
Acq: 25 Apr 2023 16:01

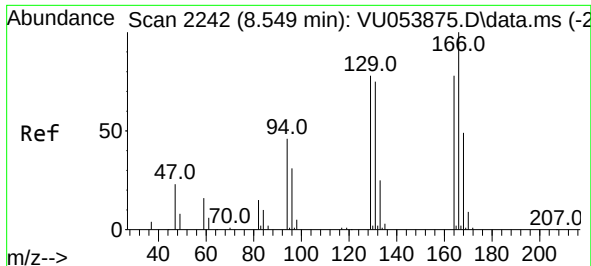
Tgt Ion: 63 Resp: 5649

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#

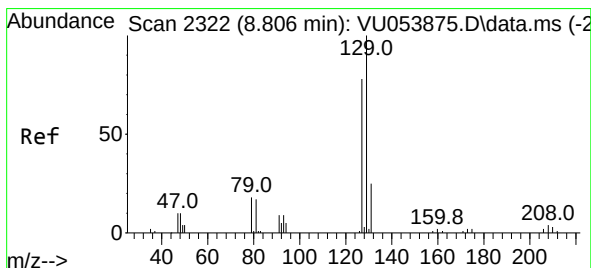
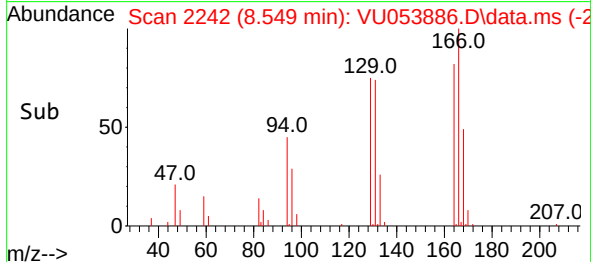
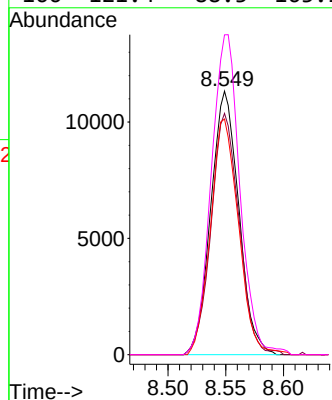
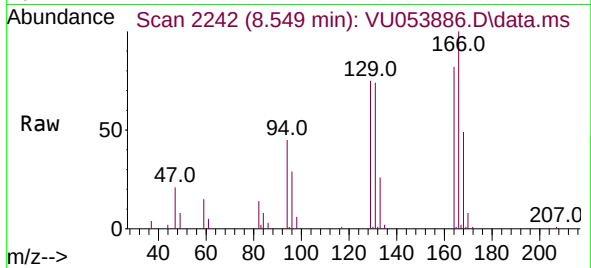




#47  
Tetrachloroethene  
Concen: 1.873 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. 0.000 min  
Lab File: VU053886.D  
Acq: 25 Apr 2023 16:01

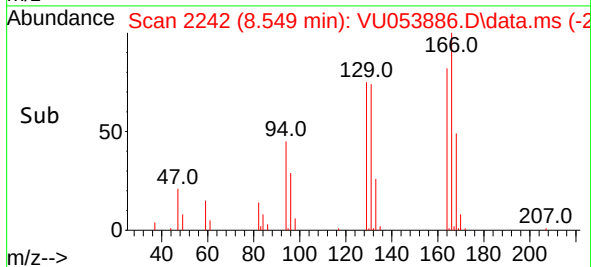
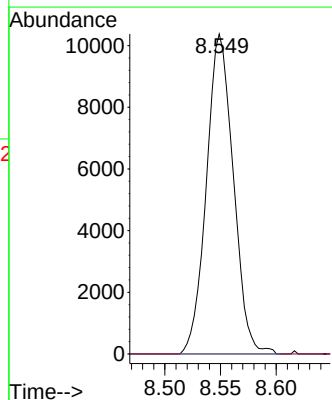
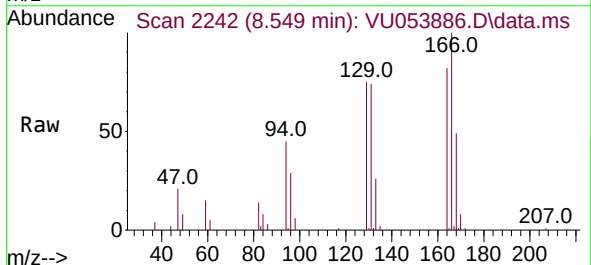
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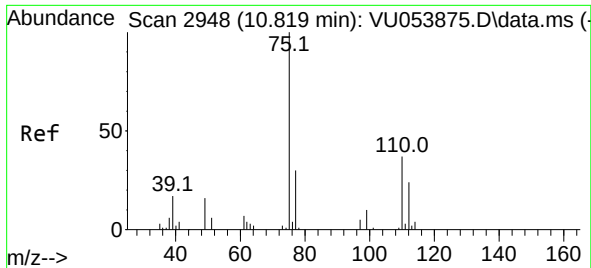
Tgt Ion:164 Resp: 19100  
Ion Ratio Lower Upper  
164 100  
129 91.6 68.3 126.8  
131 89.4 64.4 119.6  
166 121.4 88.3 163.9



#49  
Dibromochloromethane  
Concen: 1.877 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. -0.257 min  
Lab File: VU053886.D  
Acq: 25 Apr 2023 16:01

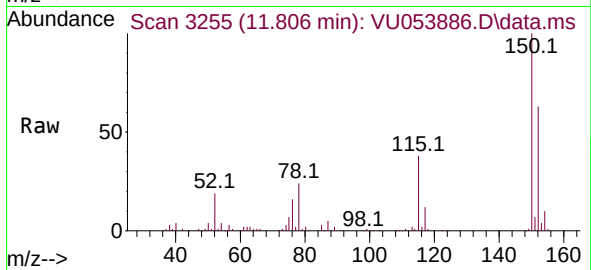
Tgt Ion:129 Resp: 17452  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.7 103.5#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.451 ug/L  
 RT: 11.806 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU053886.D  
 Acq: 25 Apr 2023 16:01

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE12DL



Tgt Ion: 75 Resp: 9002  
 Ion Ratio Lower Upper  
 75 100  
 110 0.7 30.7 46.1#  
 77 33.4 26.2 39.4

