

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040124\  
 Data File : VU058306.D  
 Acq On : 01 Apr 2024 12:21  
 Operator : MD/SY  
 Sample : P1929-04DL 25X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 02 02:26:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 02 02:24:47 2024  
 Response via : Initial Calibration

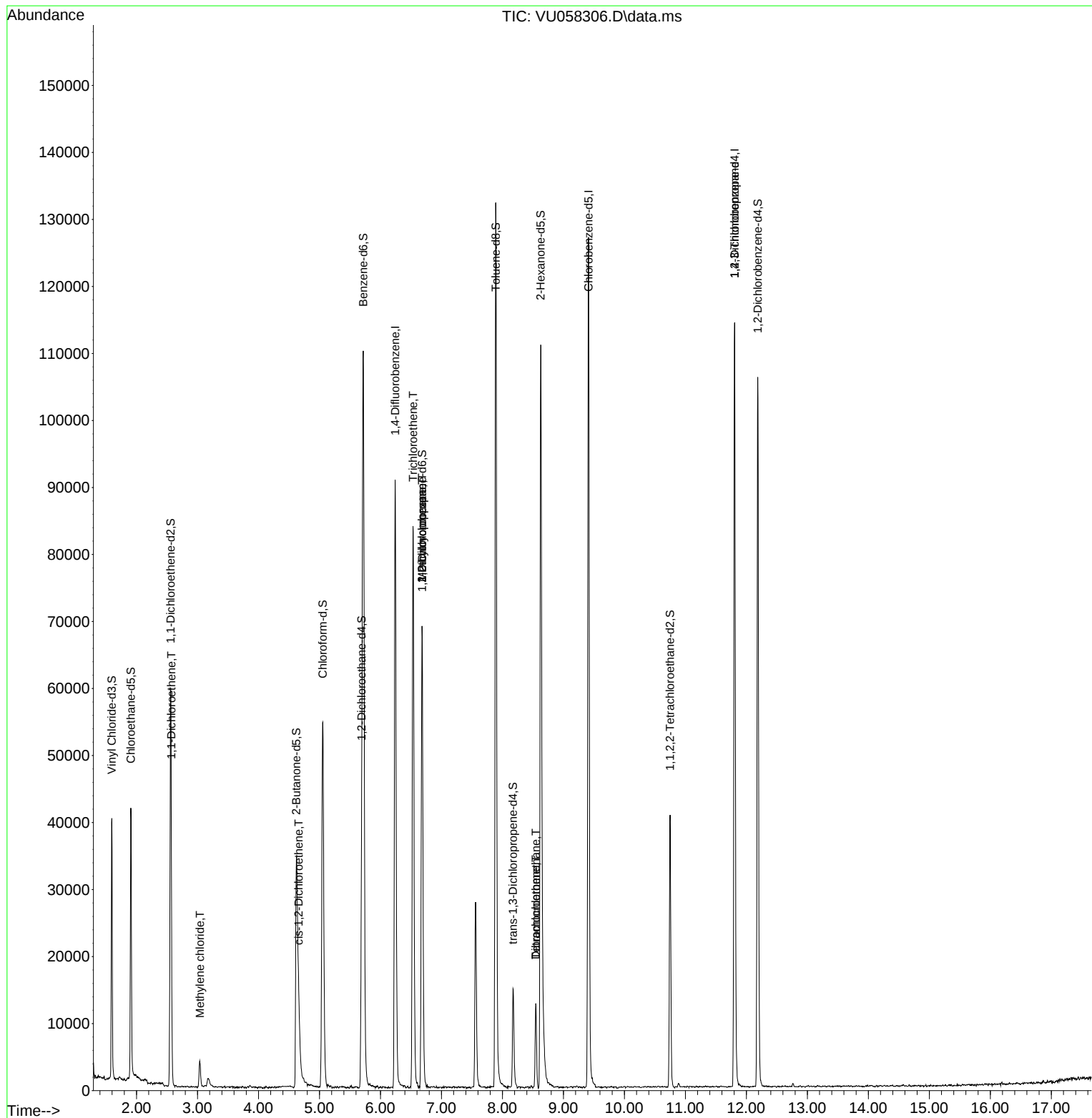
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 73125    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 70533    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 30831    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 27605    | 4.467    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.400%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 26962    | 5.345    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 107.000% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 11190    | 4.361    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 87.200%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 54562    | 49.700   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.400%  |
| 24) Chloroform-d              | 5.052  | 84    | 52199    | 4.725    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 25675    | 4.971    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.400%  |
| 32) Benzene-d6                | 5.718  | 84    | 106749   | 4.660    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 34094    | 5.050    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.000% |
| 41) Toluene-d8                | 7.891  | 98    | 88694    | 4.370    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 9503     | 4.393    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 39953    | 45.602   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.200%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 21013    | 4.777    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 28041    | 4.884    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 646      | 0.176    | ug/L # | 1        |
| 16) Methylene chloride        | 3.039  | 84    | 1717     | 0.331    | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 3000     | 0.634    | ug/L   | 98       |
| 34) Trichloroethene           | 6.534  | 95    | 30054    | 6.227    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.682  | 83    | 7179     | 1.067    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 3793     | 0.733    | ug/L # | 90       |
| 47) Tetrachloroethene         | 8.547  | 164   | 2694     | 0.833    | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.547  | 129   | 2684     | 0.753    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 3959     | 1.533    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

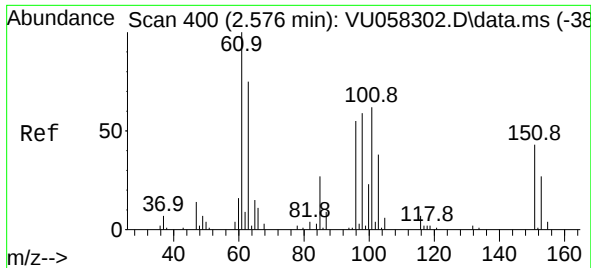
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.176 ug/L

RT: 2.570 min Scan# 30

Delta R.T. -0.006 min

Lab File: VU058306.D

Acq: 01 Apr 2024 12:21

Instrument :

MSVOA\_U

ClientSampleId :

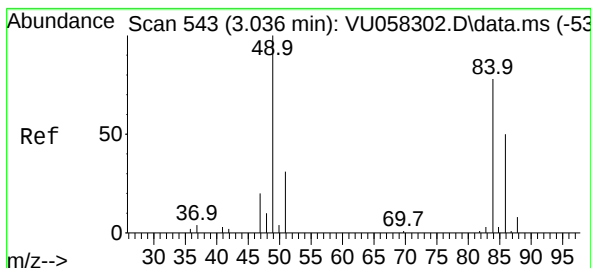
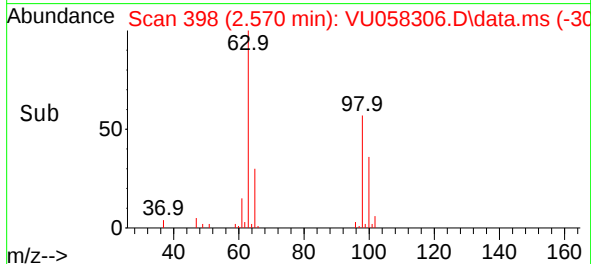
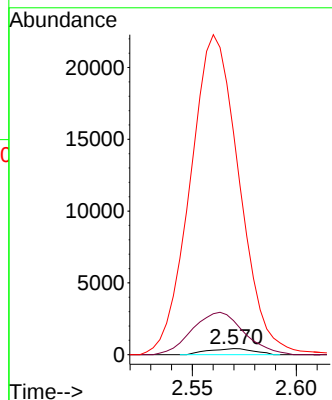
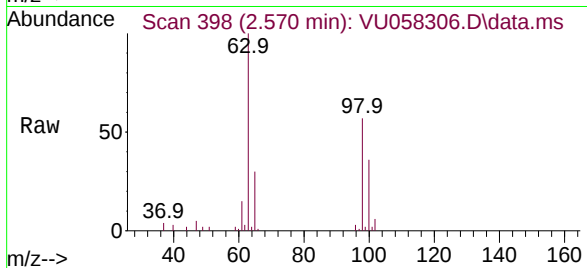
Tgt Ion: 96 Resp: 646

Ion Ratio Lower Upper

96 100

61 555.5 128.1 237.9#

63 3626.9 116.8 217.0#



#16

Methylene chloride

Concen: 0.331 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU058306.D

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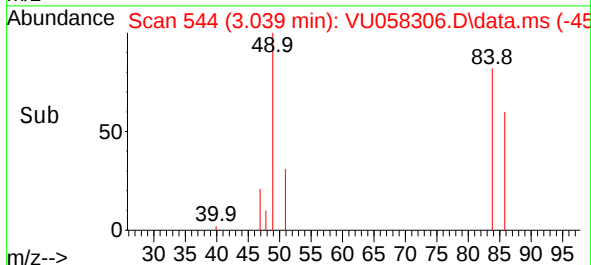
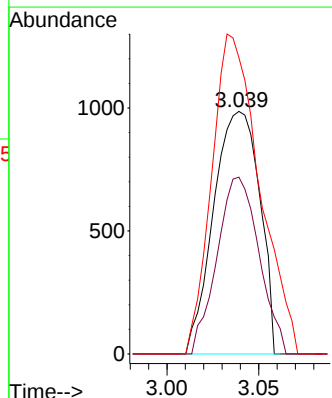
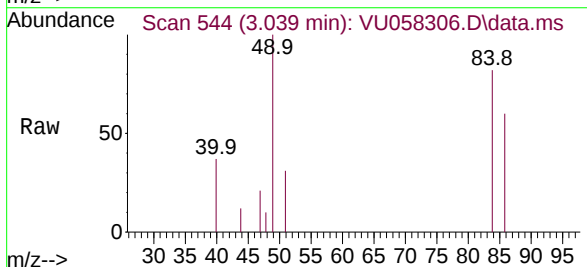
Tgt Ion: 84 Resp: 1717

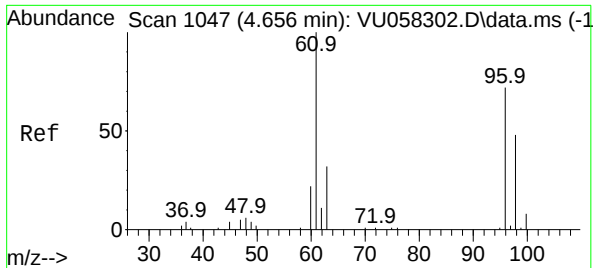
Ion Ratio Lower Upper

84 100

86 72.9 45.6 84.6

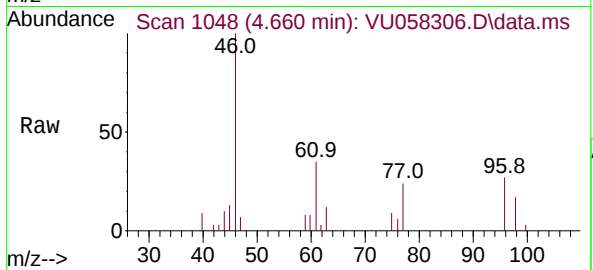
49 122.2 88.3 163.9



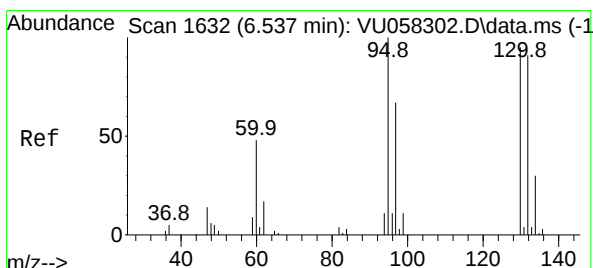
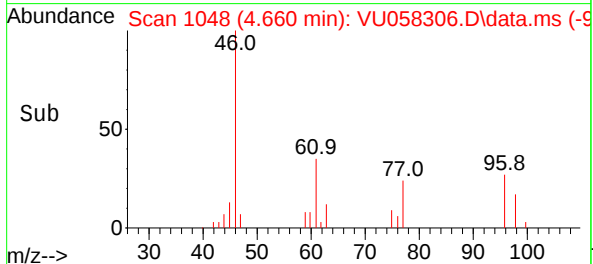
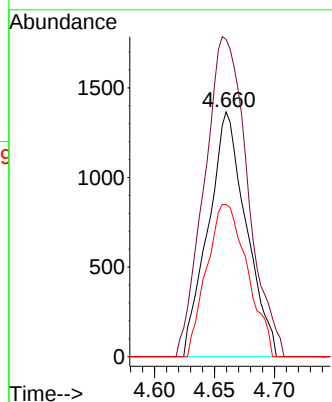


#22  
cis-1,2-Dichloroethene  
Concen: 0.634 ug/L  
RT: 4.660 min Scan# 1047  
Delta R.T. 0.003 min  
Lab File: VU058306.D  
Acq: 01 Apr 2024 12:21

Instrument :  
MSVOA\_U  
ClientSampleId :

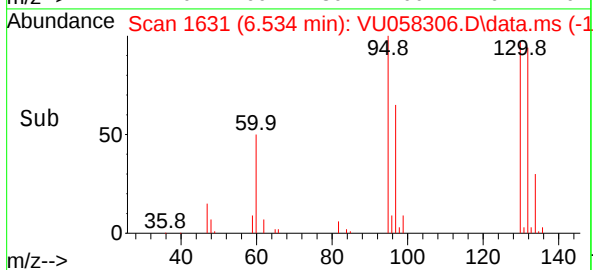
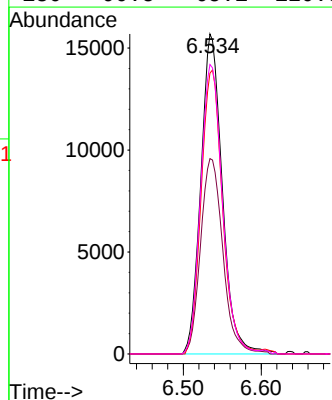
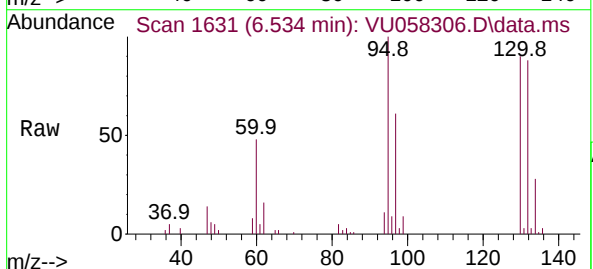


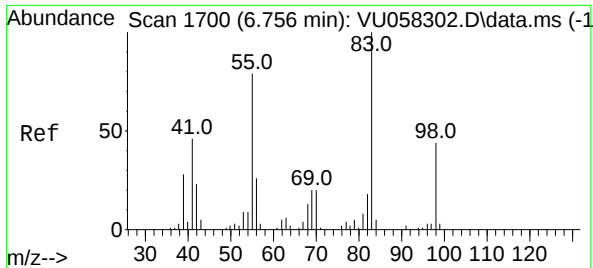
Tgt Ion: 96 Resp: 3000  
Ion Ratio Lower Upper  
96 100  
61 129.6 92.8 172.4  
98 62.2 43.2 80.2



#34  
Trichloroethene  
Concen: 6.227 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. -0.003 min  
Lab File: VU058306.D  
Acq: 01 Apr 2024 12:21

Tgt Ion: 95 Resp: 30054  
Ion Ratio Lower Upper  
95 100  
97 61.0 47.7 88.7  
132 87.7 63.6 118.2  
130 90.5 65.1 120.9

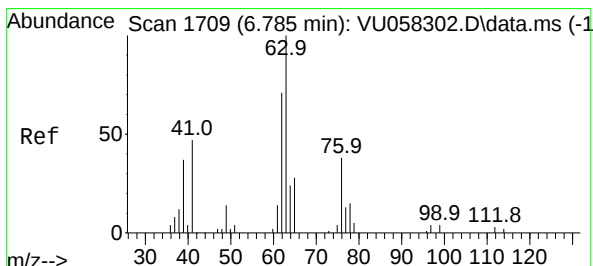
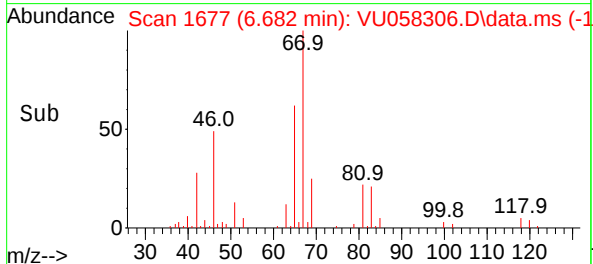
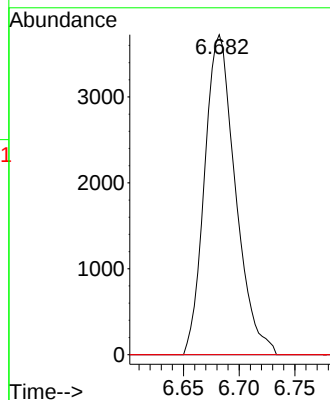
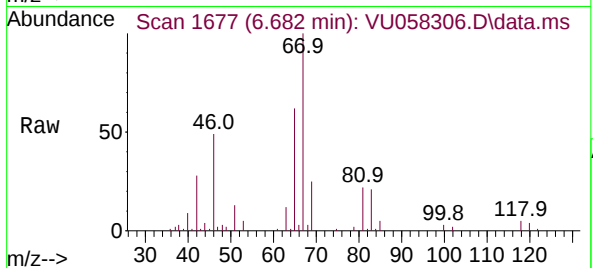




#35  
Methylcyclohexane  
Concen: 1.067 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.074 min  
Lab File: VU058306.D  
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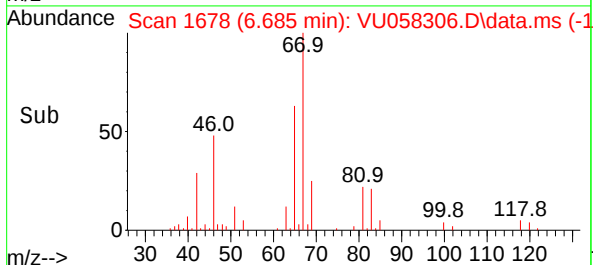
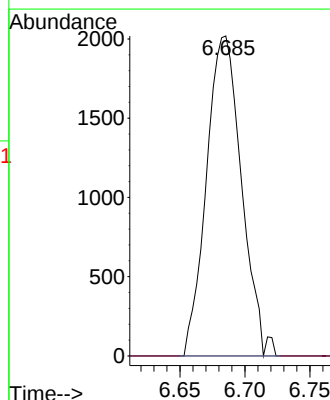
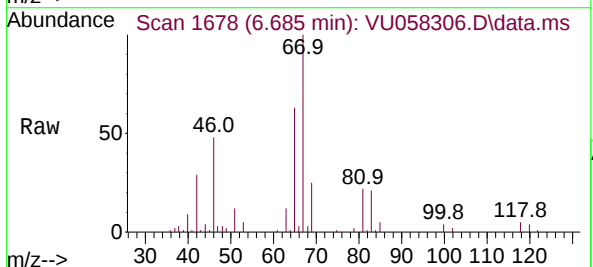
Instrument :  
MSVOA\_U  
ClientSampleId :

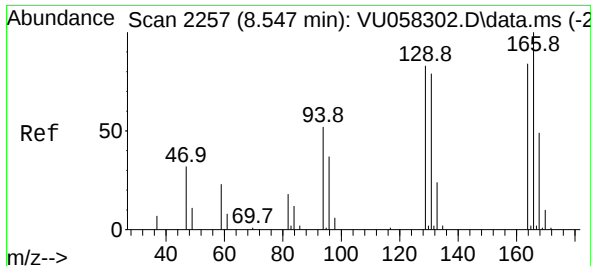
Tgt Ion: 83 Resp: 7179  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.7 94.1#  
98 0.0 37.3 55.9#



#37  
1,2-Dichloropropane  
Concen: 0.733 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.100 min  
Lab File: VU058306.D  
Acq: 01 Apr 2024 12:21

Tgt Ion: 63 Resp: 3793  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.7 4.1#





#47

Tetrachloroethene

Concen: 0.833 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

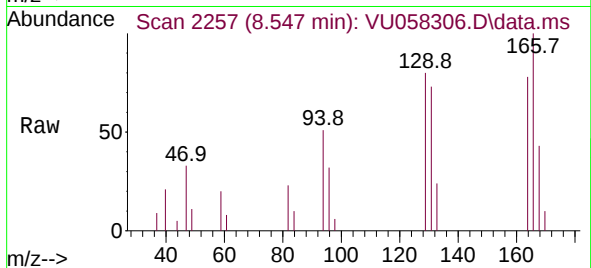
Lab File: VU058306.D

Acq: 01 Apr 2024 12:21

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:164 Resp: 2694

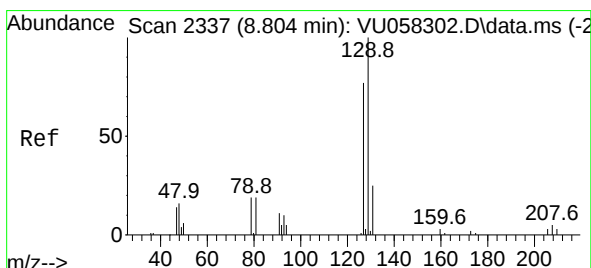
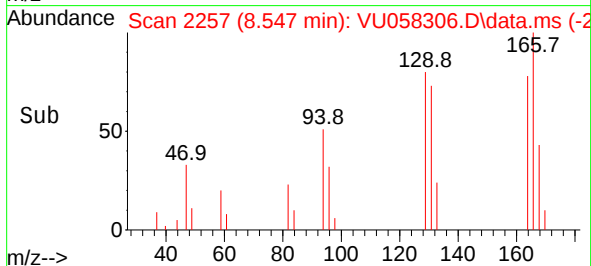
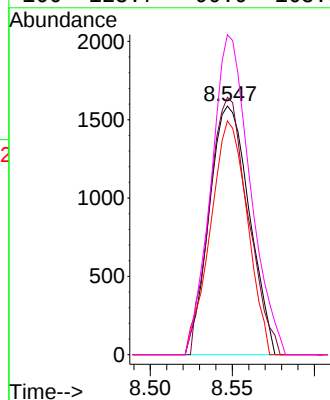
Ion Ratio Lower Upper

164 100

129 103.5 71.3 132.3

131 94.0 70.8 131.4

166 128.7 90.9 168.9



#49

Dibromochloromethane

Concen: 0.753 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.257 min

Lab File: VU058306.D

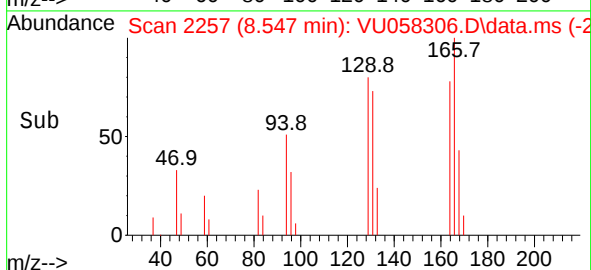
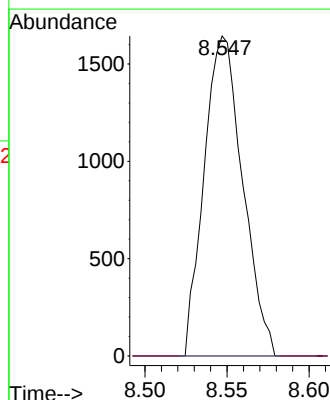
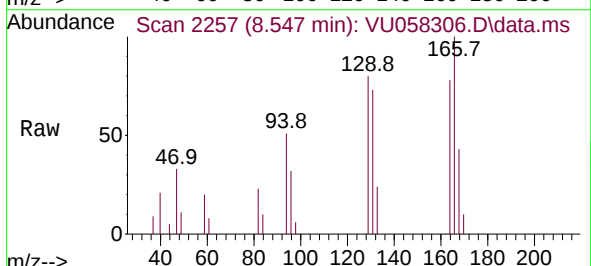
Acq: 01 Apr 2024 12:21

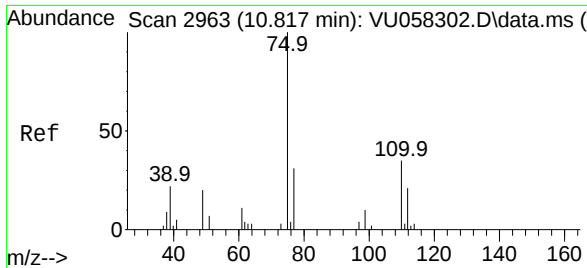
Tgt Ion:129 Resp: 2684

Ion Ratio Lower Upper

129 100

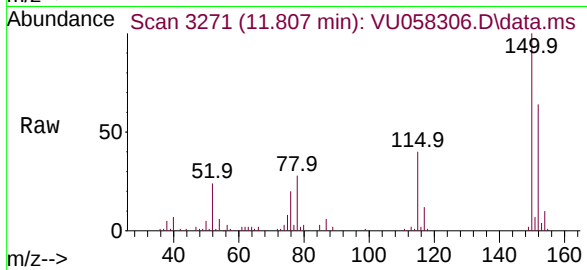
127 0.0 55.7 103.5#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.533 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU058306.D  
 Acq: 01 Apr 2024 12:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 3959  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 28.1 42.1#  
 77 35.1 25.1 37.7

