

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111123\  
 Data File : VU056228.D  
 Acq On : 11 Nov 2023 20:30  
 Operator : MD/SY  
 Sample : 05371-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 11 22:18:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 11 22:15:12 2023  
 Response via : Initial Calibration

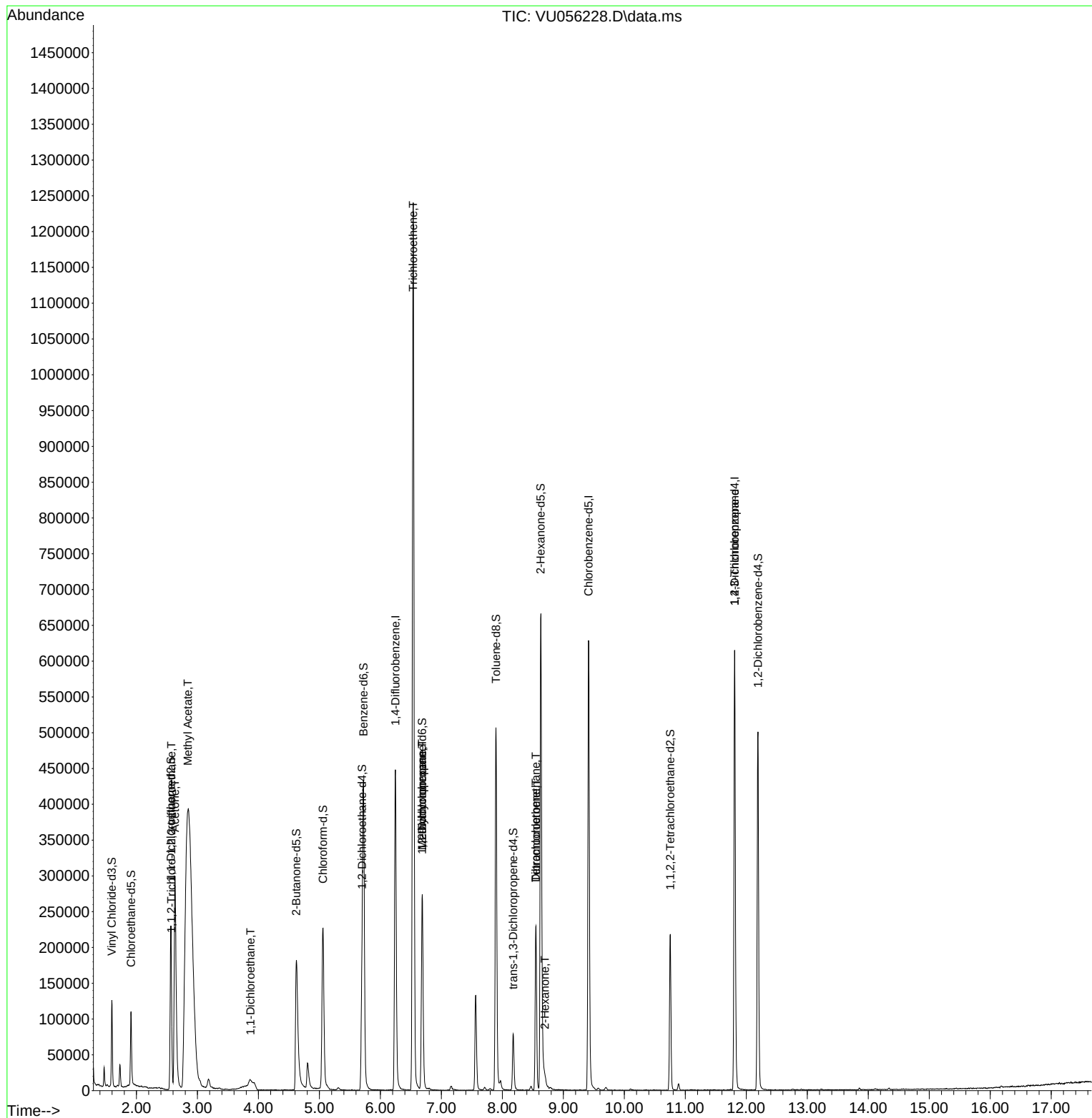
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 383263   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 380534   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 174973   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 88084    | 3.703    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 74.000%   |
| 7) Chloroethane-d5            | 1.911  | 69    | 74800    | 4.633    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.600%   |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 42251    | 4.031    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 80.600%   |
| 20) 2-Butanone-d5             | 4.621  | 46    | 278753   | 71.425   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 142.860%# |
| 24) Chloroform-d              | 5.058  | 84    | 220164   | 4.862    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.200%   |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 107445   | 5.389    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.800%  |
| 32) Benzene-d6                | 5.721  | 84    | 430977   | 4.716    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%   |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 138196   | 5.137    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.800%  |
| 41) Toluene-d8                | 7.894  | 98    | 358044   | 4.275    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.600%   |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 50105    | 4.872    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.400%   |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 242357   | 71.903   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 143.800%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 111610   | 5.812    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 116.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 138514   | 5.133    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.600%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 6209     | 0.234    | ug/L   | 92        |
| 13) Acetone                   | 2.631  | 43    | 422149   | 146.670  | ug/L   | 98        |
| 15) Methyl Acetate            | 2.843  | 43    | 410331   | 50.526   | ug/L # | 46        |
| 19) 1,1-Dichloroethane        | 3.869  | 63    | 6133     | 0.129    | ug/L   | 89        |
| 34) Trichloroethene           | 6.538  | 95    | 450253   | 15.128   | ug/L   | 95        |
| 35) Methylcyclohexane         | 6.685  | 83    | 32720    | 0.740    | ug/L # | 21        |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 14750    | 0.521    | ug/L # | 88        |
| 47) Tetrachloroethene         | 8.547  | 164   | 52779    | 2.363    | ug/L   | 97        |
| 48) 2-Hexanone                | 8.695  | 43    | 11232    | 1.245    | ug/L # | 85        |
| 49) Dibromochloromethane      | 8.547  | 129   | 53402    | 2.403    | ug/L # | 10        |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 19366    | 1.282    | ug/L # | 67        |
| -----                         |        |       |          |          |        |           |

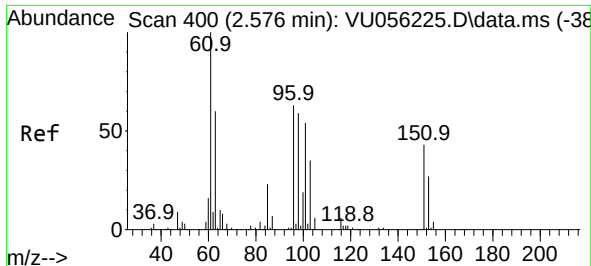
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 11 22:15:12 2023  
Response via : Initial Calibration

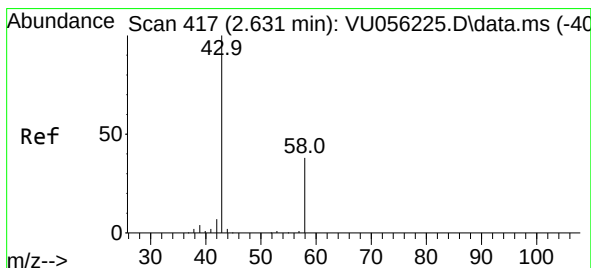
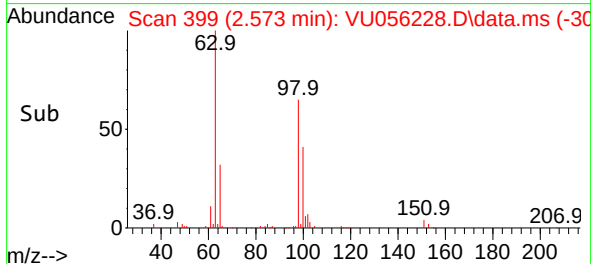
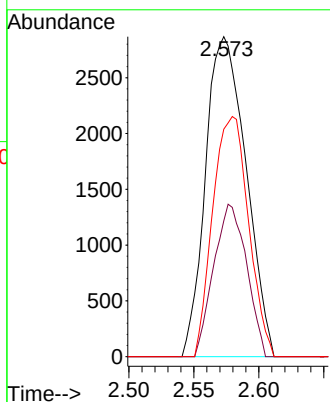
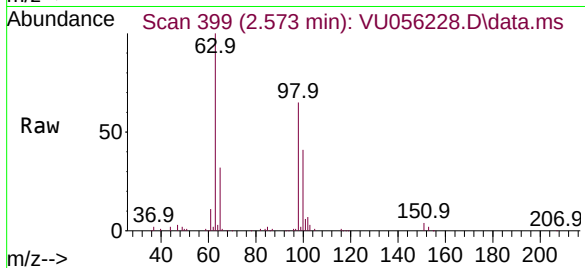




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.234 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU056228.D  
Acq: 11 Nov 2023 20:30

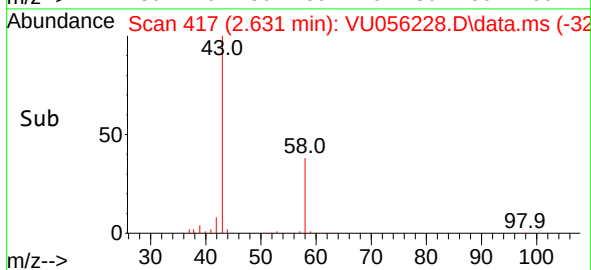
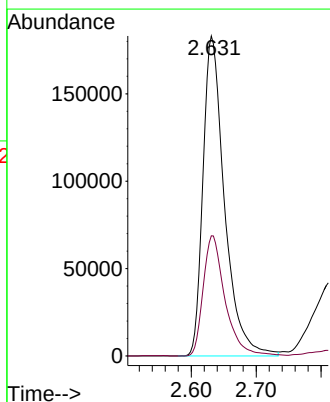
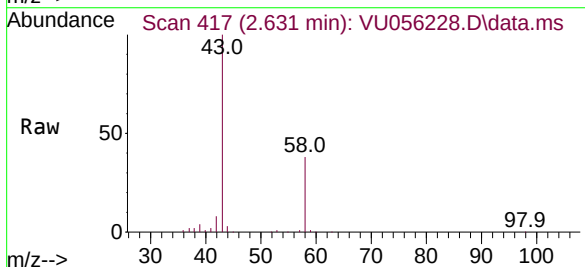
Instrument :  
MSVOA\_U  
ClientSampleId :

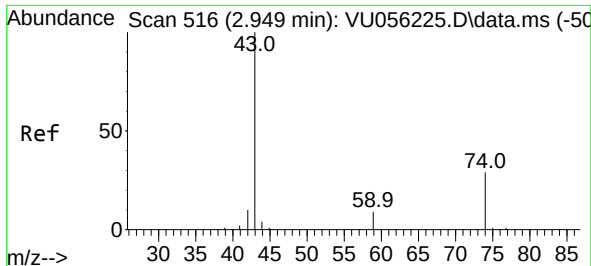
Tgt Ion:101 Resp: 6209  
Ion Ratio Lower Upper  
101 100  
85 38.6 34.2 51.4  
151 66.3 59.3 88.9



#13  
Acetone  
Concen: 146.670 ug/L  
RT: 2.631 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VU056228.D  
Acq: 11 Nov 2023 20:30

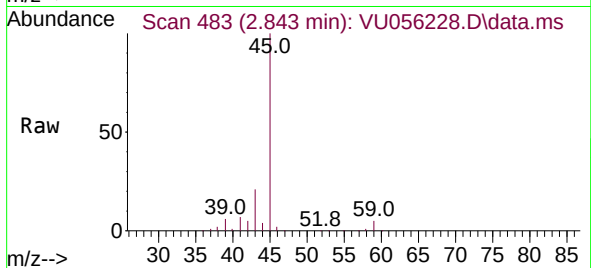
Tgt Ion: 43 Resp: 422149  
Ion Ratio Lower Upper  
43 100  
58 38.3 0.0 74.4



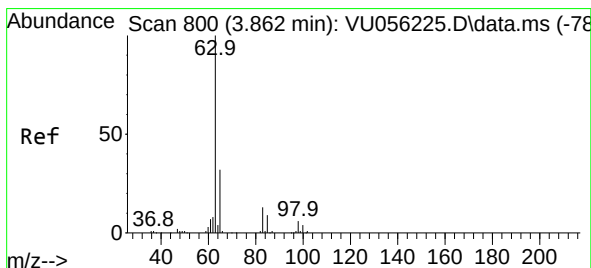
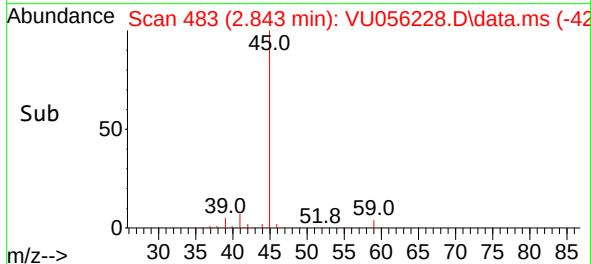
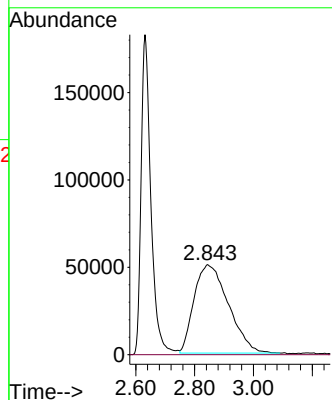


#15  
Methyl Acetate  
Concen: 50.526 ug/L  
RT: 2.843 min Scan# 41  
Delta R.T. -0.106 min  
Lab File: VU056228.D  
Acq: 11 Nov 2023 20:30

Instrument :  
MSVOA\_U  
ClientSampleId :

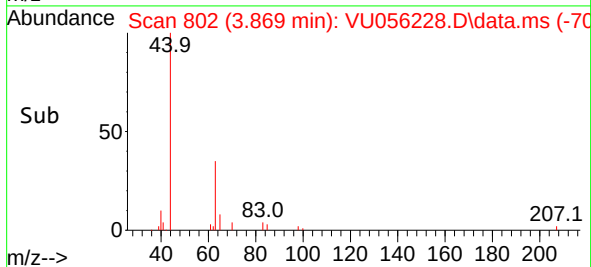
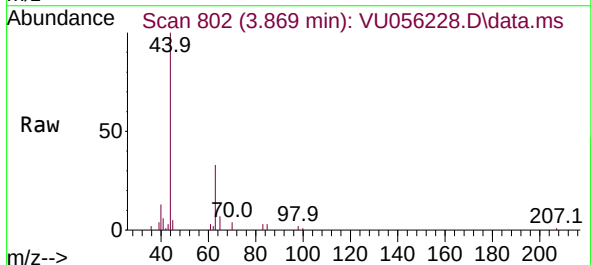
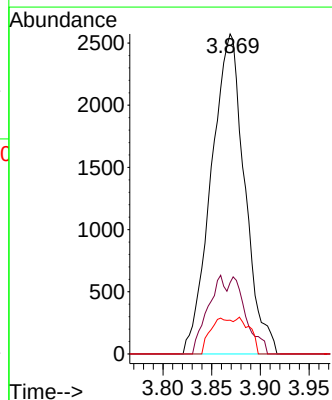


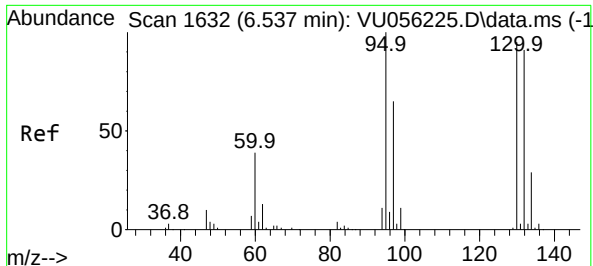
Tgt Ion: 43 Resp: 410331  
Ion Ratio Lower Upper  
43 100  
74 0.0 23.3 34.9#



#19  
1,1-Dichloroethane  
Concen: 0.129 ug/L  
RT: 3.869 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VU056228.D  
Acq: 11 Nov 2023 20:30

Tgt Ion: 63 Resp: 6133  
Ion Ratio Lower Upper  
63 100  
65 22.3 20.6 38.2  
83 10.6 9.6 17.8

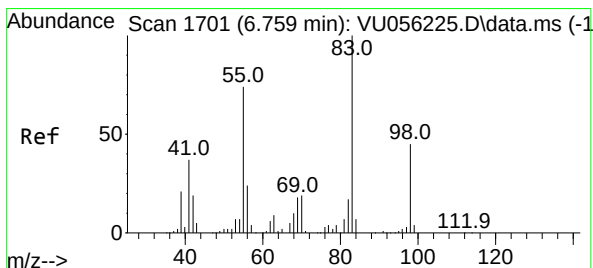
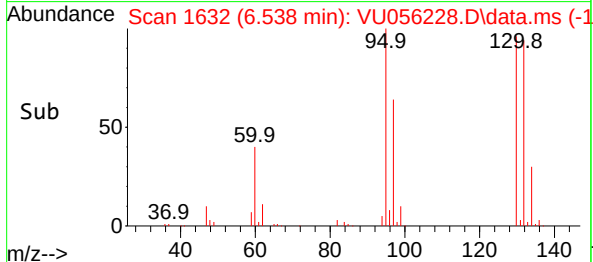
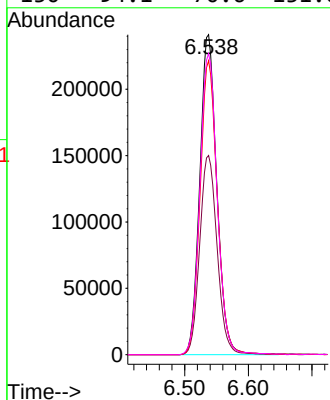
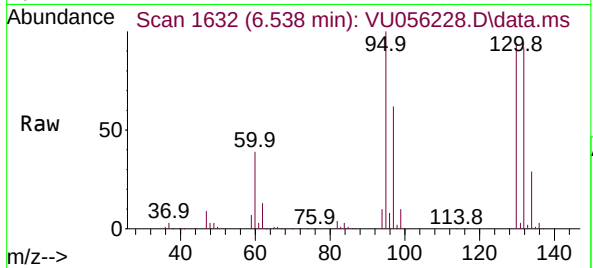




#34  
Trichloroethene  
Concen: 15.128 ug/L  
RT: 6.538 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VU056228.D  
Acq: 11 Nov 2023 20:30

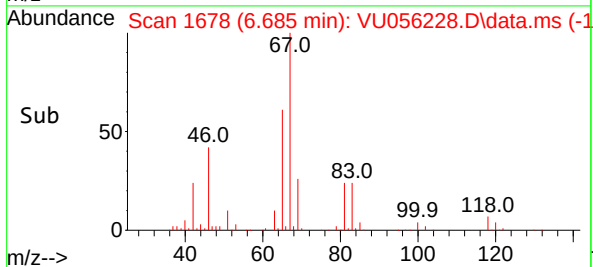
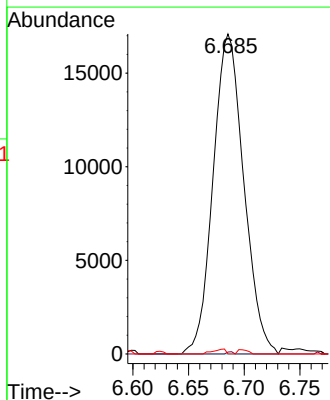
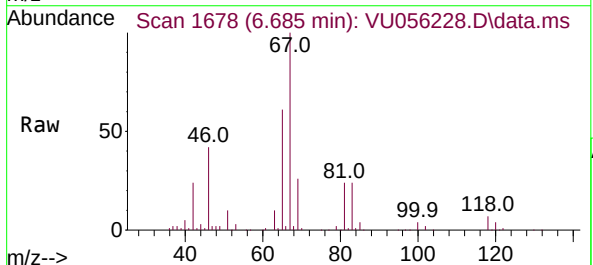
Instrument :  
MSVOA\_U  
ClientSampleId :

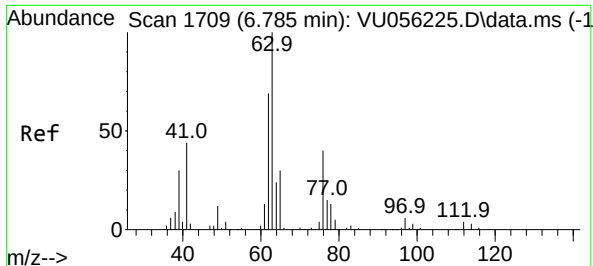
Tgt Ion: 95 Resp: 450253  
Ion Ratio Lower Upper  
95 100  
97 62.2 46.8 87.0  
132 91.9 66.5 123.5  
130 94.1 70.6 131.0



#35  
Methylcyclohexane  
Concen: 0.740 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.074 min  
Lab File: VU056228.D  
Acq: 11 Nov 2023 20:30

Tgt Ion: 83 Resp: 32720  
Ion Ratio Lower Upper  
83 100  
55 0.1 60.6 91.0#  
98 4.0 36.2 54.4#





#37

1,2-Dichloropropane

Concen: 0.521 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU056228.D

Acq: 11 Nov 2023 20:30

Instrument :

MSVOA\_U

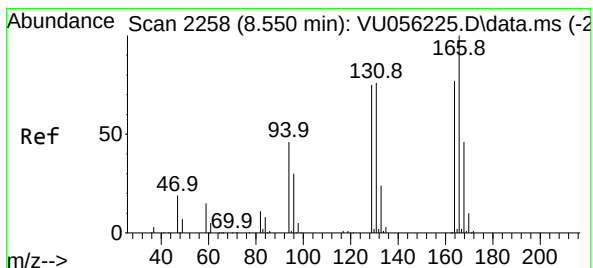
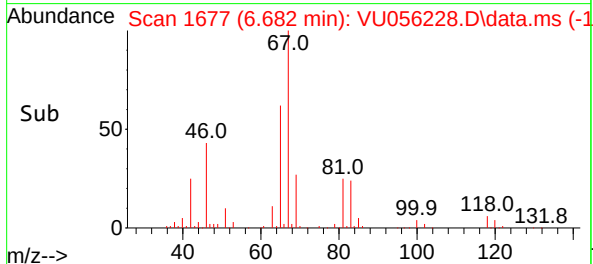
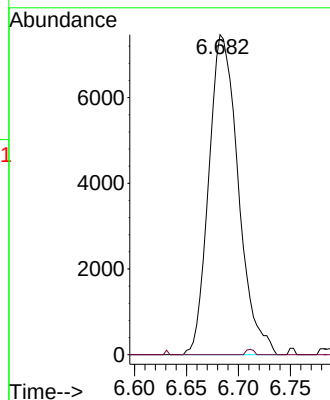
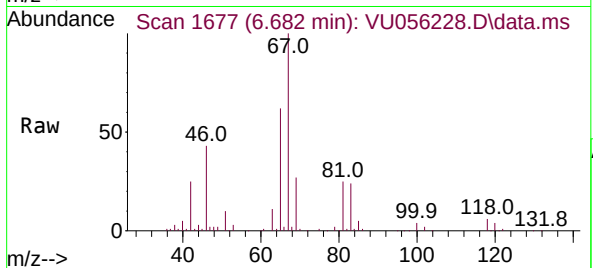
ClientSampleId :

Tgt Ion: 63 Resp: 14750

Ion Ratio Lower Upper

63 100

112 0.4 3.4 5.2#



#47

Tetrachloroethene

Concen: 2.363 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VU056228.D

Acq: 11 Nov 2023 20:30

Tgt Ion: 164 Resp: 52779

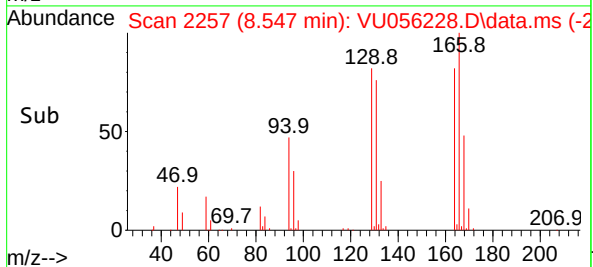
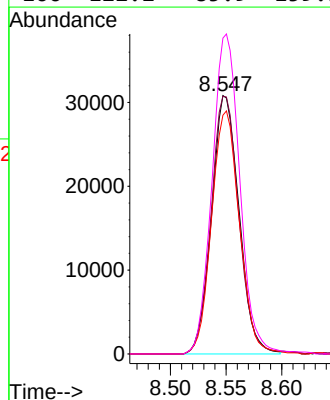
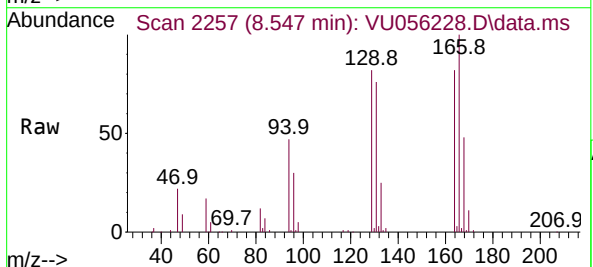
Ion Ratio Lower Upper

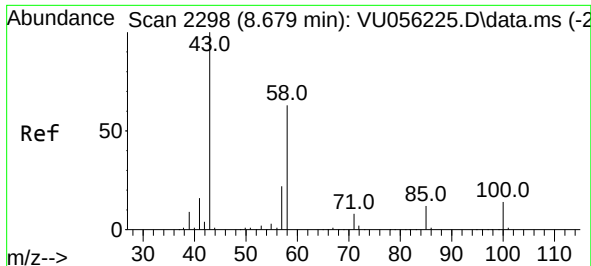
164 100

129 99.7 66.6 123.8

131 92.4 67.8 126.0

166 122.2 85.9 159.5

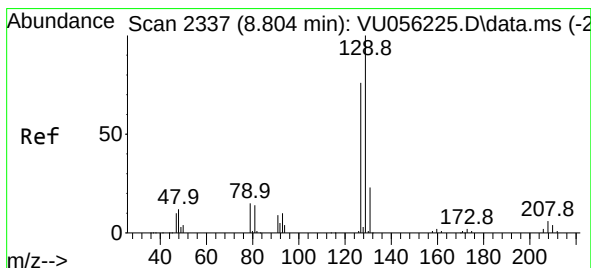
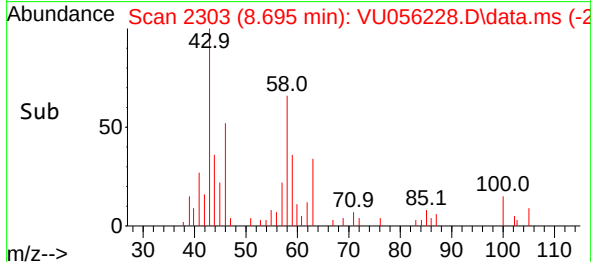
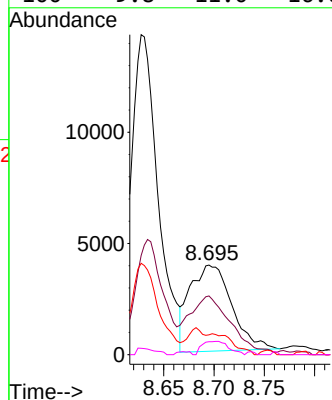
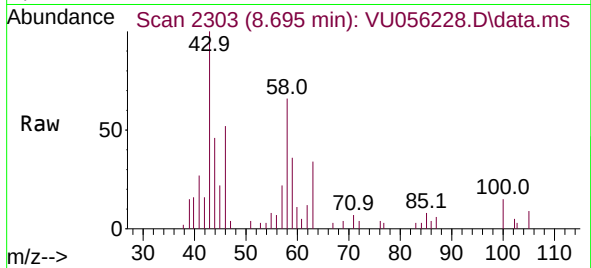




#48  
2-Hexanone  
Concen: 1.245 ug/L  
RT: 8.695 min Scan# 211  
Delta R.T. 0.016 min  
Lab File: VU056228.D  
Acq: 11 Nov 2023 20:30

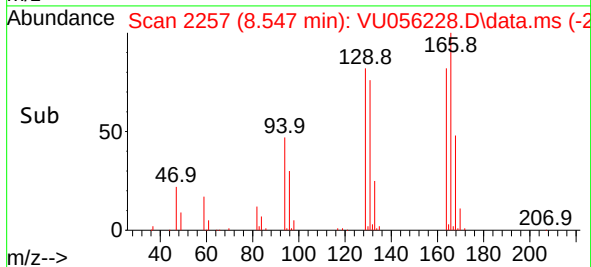
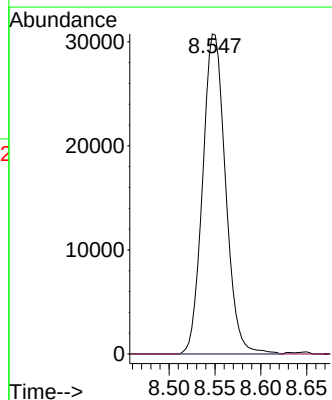
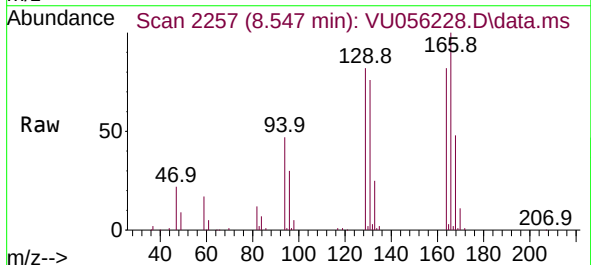
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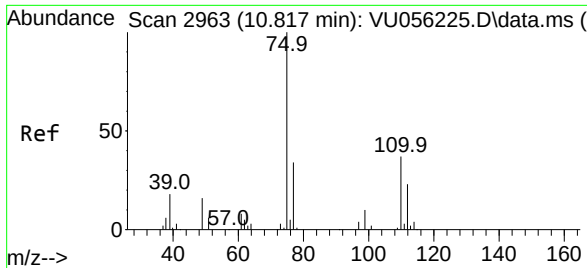
Tgt Ion: 43 Resp: 11232  
Ion Ratio Lower Upper  
43 100  
58 69.3 52.0 78.0  
57 0.0 17.4 26.2#  
100 9.8 11.0 16.6#



#49  
Dibromochloromethane  
Concen: 2.403 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.257 min  
Lab File: VU056228.D  
Acq: 11 Nov 2023 20:30

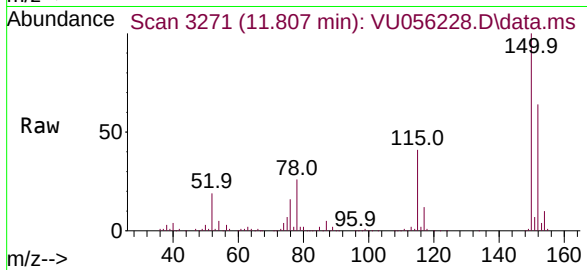
Tgt Ion: 129 Resp: 53402  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.4 102.8#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.282 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU056228.D  
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Tgt Ion: 75 Resp: 19366  
 Ion Ratio Lower Upper  
 75 100  
 110 1.0 29.7 44.5#  
 77 31.9 25.5 38.3

