

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121523\  
 Data File : VU056897.D  
 Acq On : 15 Dec 2023 22:51  
 Operator : MD/SY  
 Sample : 05809-04  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 16 00:07:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 15 01:53:53 2023  
 Response via : Initial Calibration

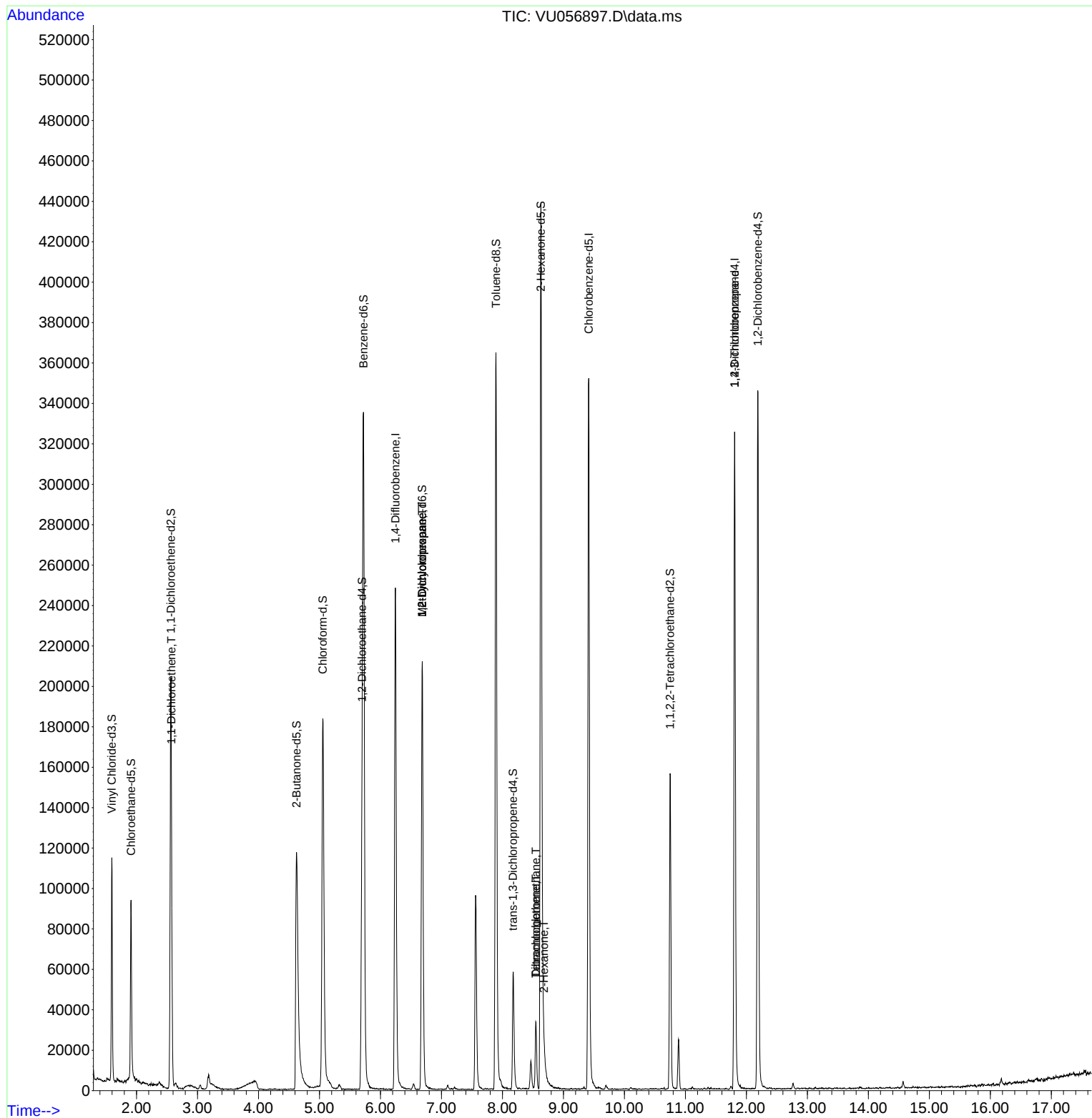
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 202836   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 209850   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 87888    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 78433    | 4.511    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 90.200%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 64734    | 4.975    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 35707    | 4.800    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.000%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 197805   | 57.609   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 115.220% |
| 24) Chloroform-d              | 5.055  | 84    | 173066   | 5.257    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.200% |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 85780    | 5.506    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 110.200% |
| 32) Benzene-d6                | 5.721  | 84    | 319607   | 4.910    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 105104   | 5.159    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.200% |
| 41) Toluene-d8                | 7.894  | 98    | 260062   | 4.470    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 36784    | 4.656    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.200%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 148191   | 49.732   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 99.460%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 81017    | 5.496    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 110.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 92243    | 5.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.800% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 13448    | 0.817    | ug/L # | 1        |
| 35) Methylcyclohexane         | 6.685  | 83    | 24678    | 0.827    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 11277    | 0.598    | ug/L # | 88       |
| 47) Tetrachloroethene         | 8.550  | 164   | 7033     | 0.497    | ug/L   | 94       |
| 48) 2-Hexanone                | 8.682  | 43    | 5992     | 0.939    | ug/L # | 76       |
| 49) Dibromochloromethane      | 8.547  | 129   | 7399     | 0.505    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 11308    | 1.198    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

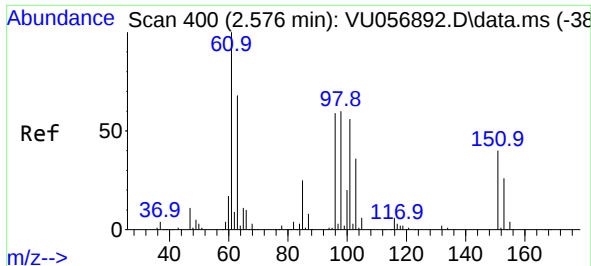
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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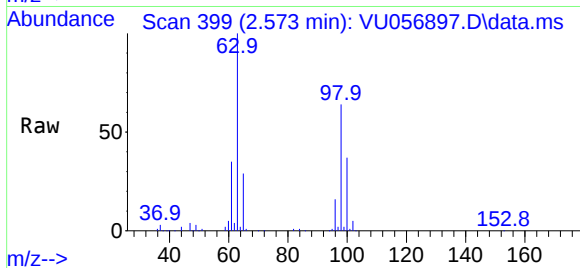
Quant Time: Dec 16 00:07:40 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Dec 15 01:53:53 2023  
Response via : Initial Calibration



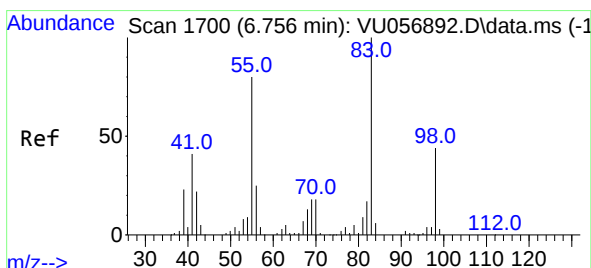
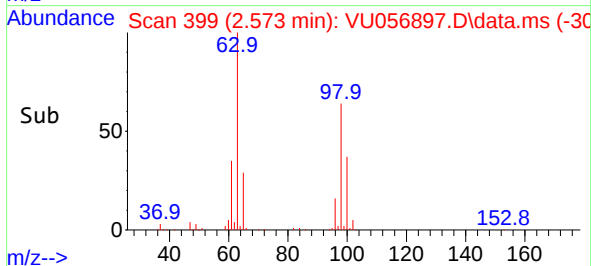
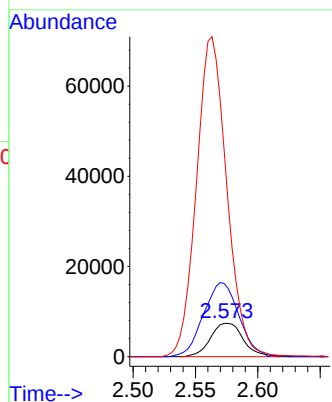


#12  
1,1-Dichloroethene  
Concen: 0.817 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU056897.D  
Acq: 15 Dec 2023 22:51

Instrument :  
MSVOA\_U  
ClientSampleId :

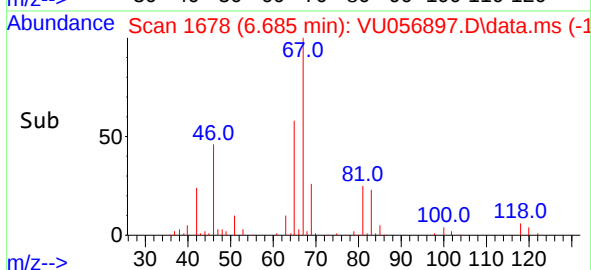
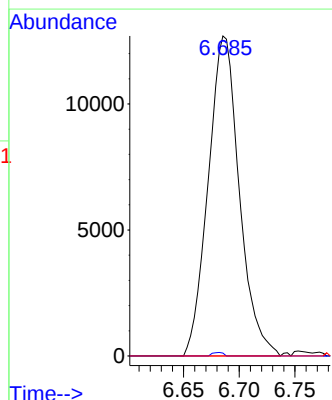
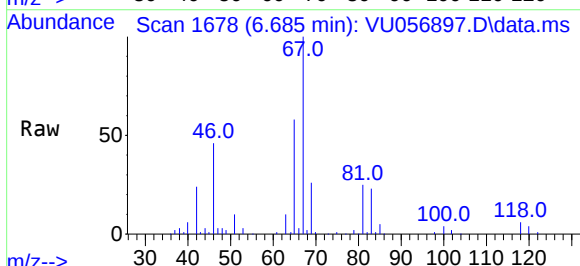


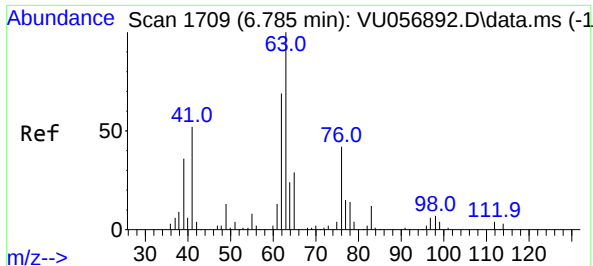
Tgt Ion: 96 Resp: 13448  
Ion Ratio Lower Upper  
96 100  
61 219.9 119.0 221.0  
63 624.3 88.7 164.7#



#35  
Methylcyclohexane  
Concen: 0.827 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.074 min  
Lab File: VU056897.D  
Acq: 15 Dec 2023 22:51

Tgt Ion: 83 Resp: 24678  
Ion Ratio Lower Upper  
83 100  
55 0.4 64.6 97.0#  
98 0.1 36.1 54.1#

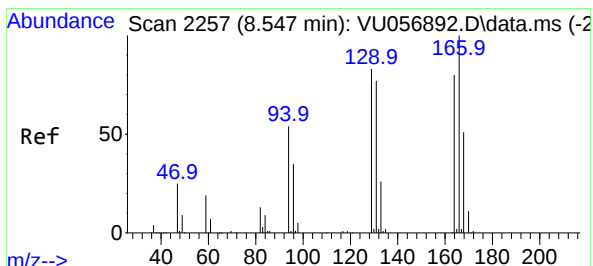
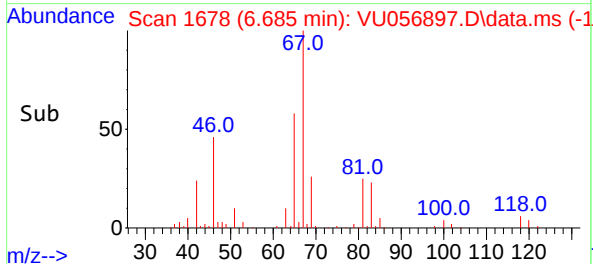
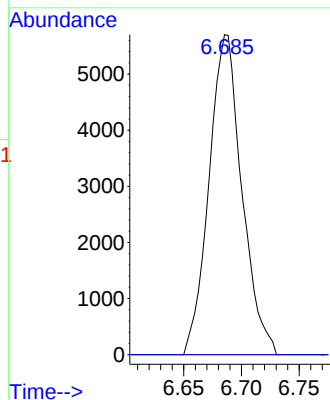
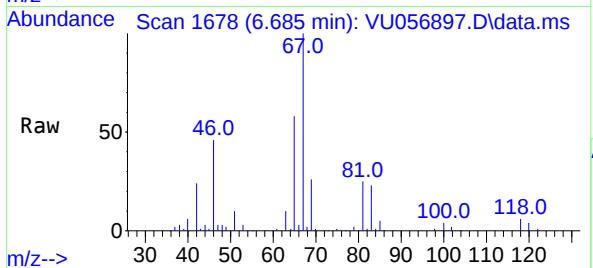




#37  
1,2-Dichloropropane  
Concen: 0.598 ug/L  
RT: 6.685 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU056897.D  
Acq: 15 Dec 2023 22:51

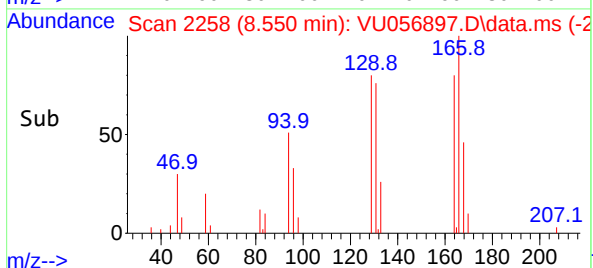
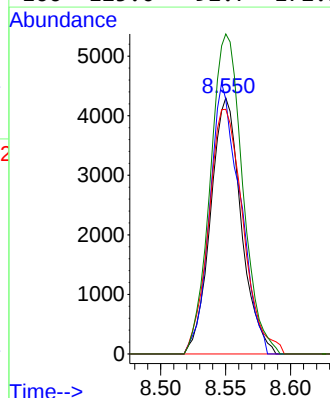
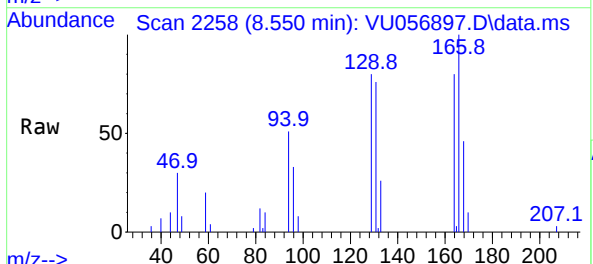
Instrument :  
MSVOA\_U  
ClientSampleId :

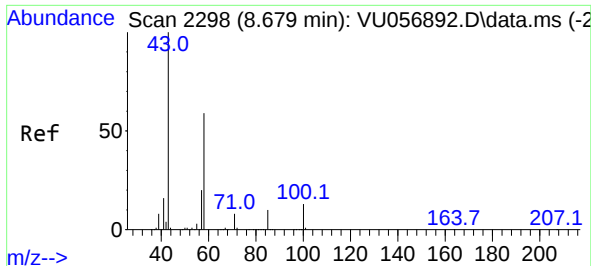
Tgt Ion: 63 Resp: 11277  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#



#47  
Tetrachloroethene  
Concen: 0.497 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.000 min  
Lab File: VU056897.D  
Acq: 15 Dec 2023 22:51

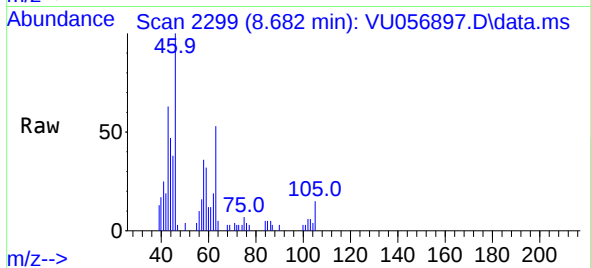
Tgt Ion:164 Resp: 7033  
Ion Ratio Lower Upper  
164 100  
129 99.4 73.4 136.4  
131 95.6 71.5 132.9  
166 125.0 92.7 172.1



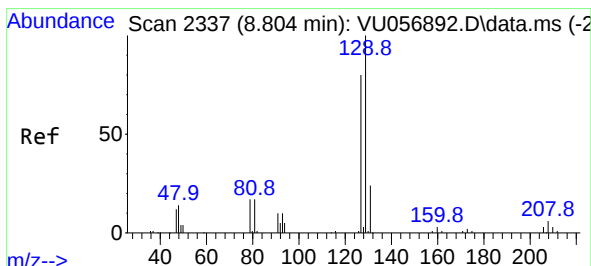
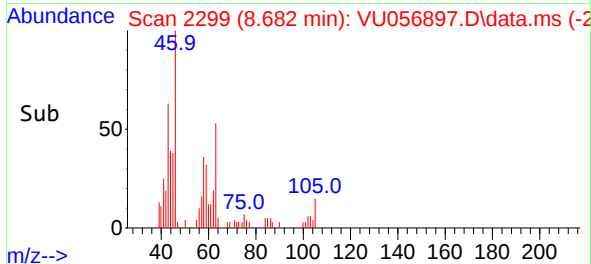
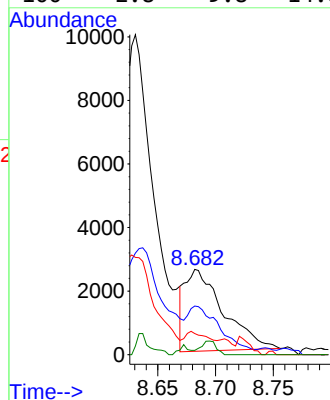


#48  
2-Hexanone  
Concen: 0.939 ug/L  
RT: 8.682 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU056897.D  
Acq: 15 Dec 2023 22:51

Instrument :  
MSVOA\_U  
ClientSampleId :

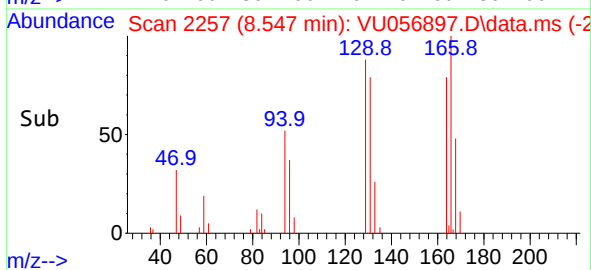
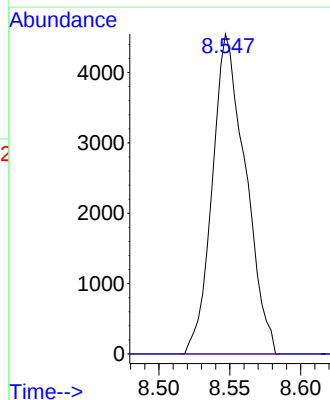
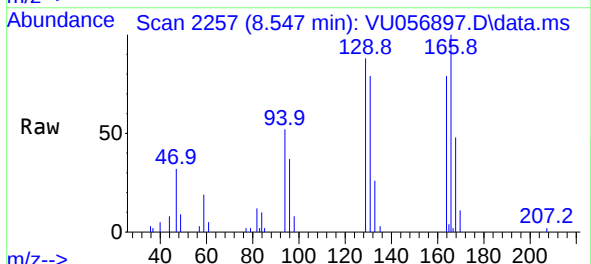


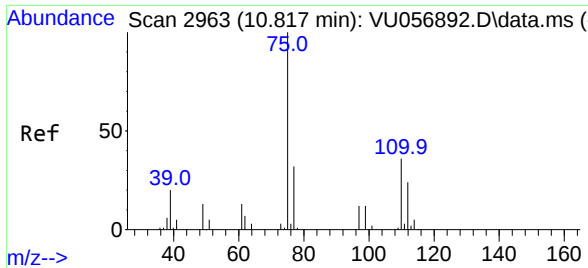
Tgt Ion: 43 Resp: 5992  
Ion Ratio Lower Upper  
43 100  
58 43.6 47.5 71.3#  
57 6.6 17.0 25.4#  
100 2.8 9.8 14.8#



#49  
Dibromochloromethane  
Concen: 0.505 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.257 min  
Lab File: VU056897.D  
Acq: 15 Dec 2023 22:51

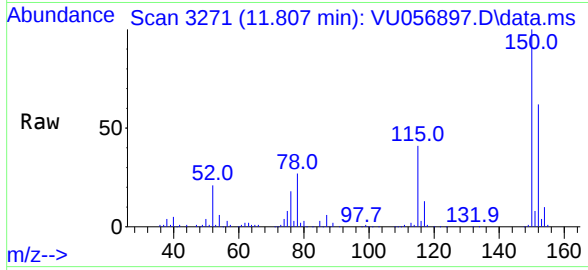
Tgt Ion: 129 Resp: 7399  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.9 100.1#





#61  
1,2,3-Trichloropropane  
Concen: 1.198 ug/L  
RT: 11.807 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU056897.D  
Acq: 15 Dec 2023 22:51

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 11308  
Ion Ratio Lower Upper  
75 100  
110 1.8 28.4 42.6#  
77 30.6 26.3 39.5

