

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102523\  
 Data File : VU055882.D  
 Acq On : 25 Oct 2023 16:21  
 Operator : MD/SY  
 Sample : 04952-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 26 01:54:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 26 01:50:39 2023  
 Response via : Initial Calibration

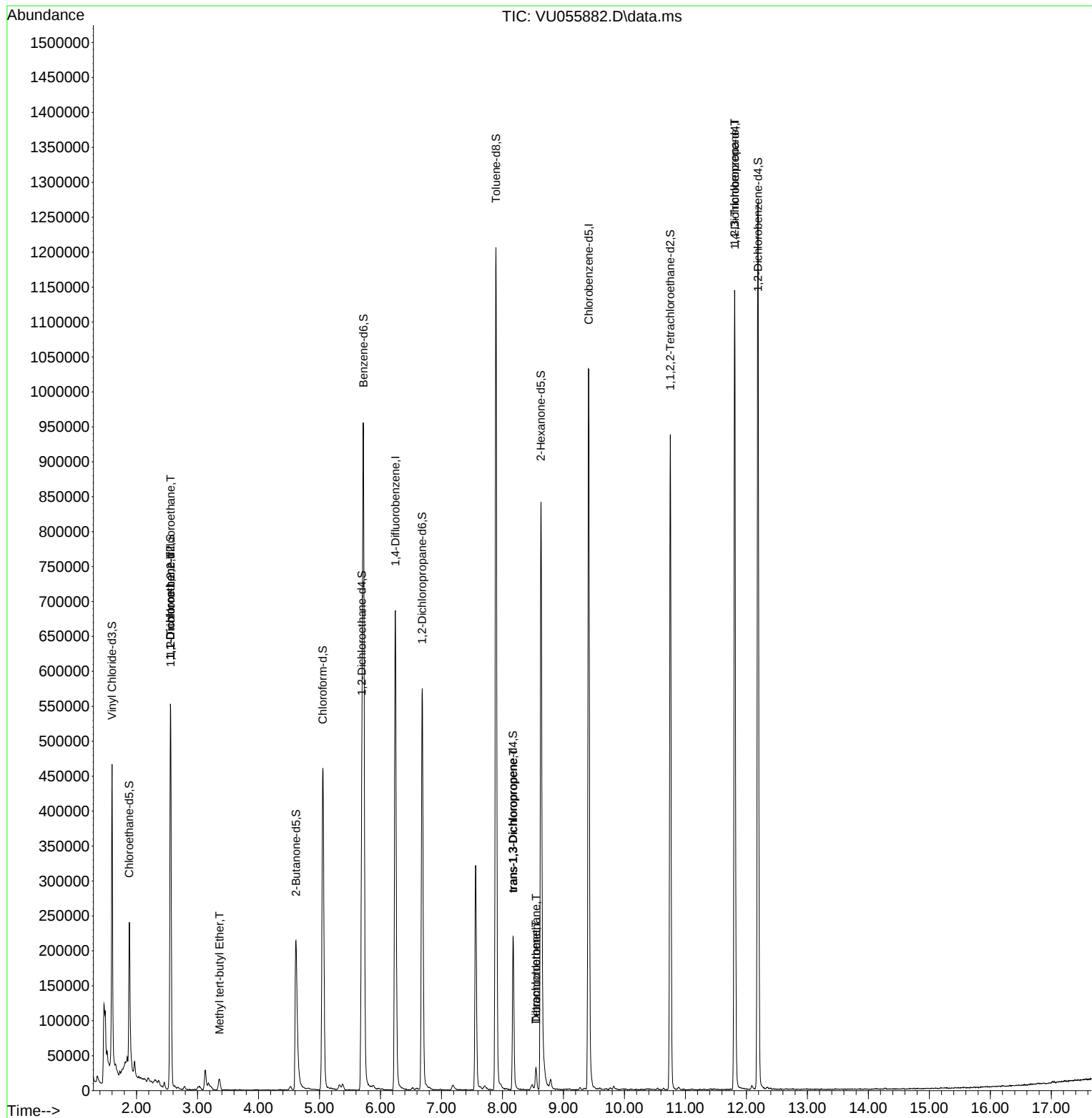
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|---------|-------|----------|----------|--------|-----------|
| -----                         |         |       |          |          |        |           |
| Internal Standards            |         |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.245   | 114   | 572809   | 50.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.415   | 117   | 587979   | 50.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.810  | 152   | 309951   | 50.000   | ug/L   | 0.00      |
|                               |         |       |          |          |        |           |
| System Monitoring Compounds   |         |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.599   | 65    | 247108   | 48.095   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 96.200%   |
| 7) Chloroethane-d5            | 1.882   | 69    | 194198   | 46.240   | ug/L   | -0.03     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 92.480%   |
| 11) 1,1-Dichloroethene-d2     | 2.557   | 63    | 332448   | 36.289   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 72.580%   |
| 21) 2-Butanone-d5             | 4.615   | 46    | 327603   | 86.051   | ug/L   | 0.00      |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 86.050%   |
| 24) Chloroform-d              | 5.055   | 84    | 442463   | 44.921   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.840%   |
| 26) 1,2-Dichloroethane-d4     | 5.695   | 65    | 283675   | 46.790   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.580%   |
| 32) Benzene-d6                | 5.721   | 84    | 913439   | 48.554   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.100%   |
| 36) 1,2-Dichloropropane-d6    | 6.685   | 67    | 281872   | 47.328   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.660%   |
| 41) Toluene-d8                | 7.894   | 98    | 809168   | 47.634   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.260%   |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 129114   | 45.130   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.260%   |
| 47) 2-Hexanone-d5             | 8.631   | 63    | 316778   | 135.298  | ug/L   | 0.00      |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 135.300%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753  | 84    | 465914   | 50.824   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.640%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190  | 152   | 336105   | 54.644   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 109.280%  |
|                               |         |       |          |          |        |           |
| Target Compounds              |         |       |          |          |        | Qvalue    |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.560   | 101   | 3244     | 0.711    | ug/L # | 20        |
| 12) 1,1-Dichloroethene        | 2.557   | 96    | 2295     | 0.565    | ug/L # | 1         |
| 18) Methyl tert-butyl Ether   | 3.361   | 73    | 17284    | 1.294    | ug/L # | 90        |
| 44) trans-1,3-Dichloropropene | 8.177   | 75    | 5908     | 0.793    | ug/L   | 88        |
| 46) Tetrachloroethene         | 8.547   | 164   | 7245     | 1.990    | ug/L   | 95        |
| 49) Dibromochloromethane      | 8.553   | 129   | 7109     | 1.379    | ug/L # | 11        |
| 60) 1,2,3-Trichloropropane    | 11.807  | 75    | 37634    | 5.595    | ug/L # | 70        |
| -----                         |         |       |          |          |        |           |

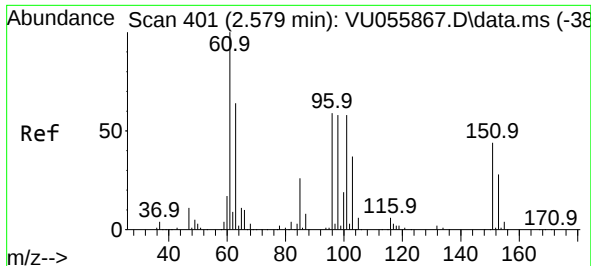
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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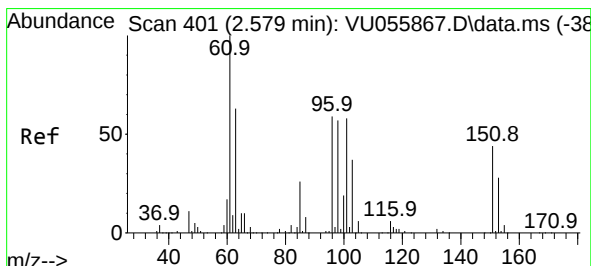
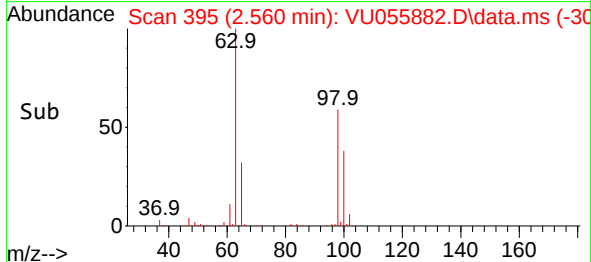
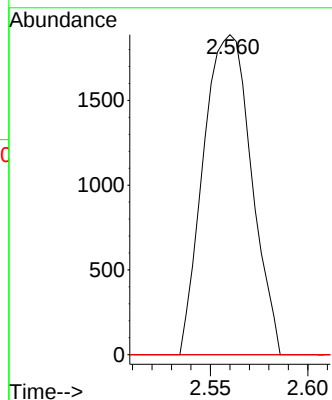
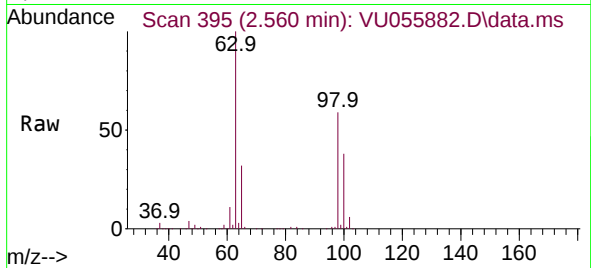




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.711 ug/L  
 RT: 2.560 min Scan# 395  
 Delta R.T. -0.019 min  
 Lab File: VU055882.D  
 Acq: 25 Oct 2023 16:21

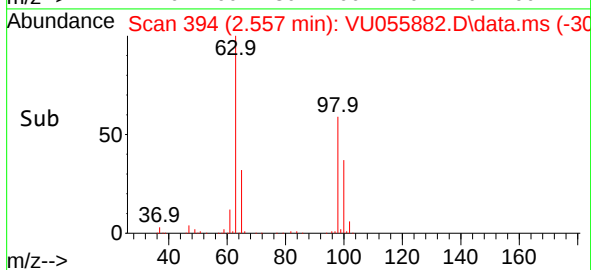
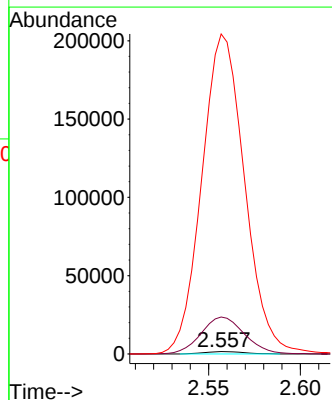
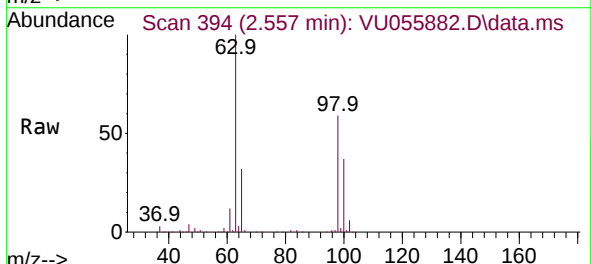
Instrument :  
 MSVOA\_U  
 ClientSampleId :

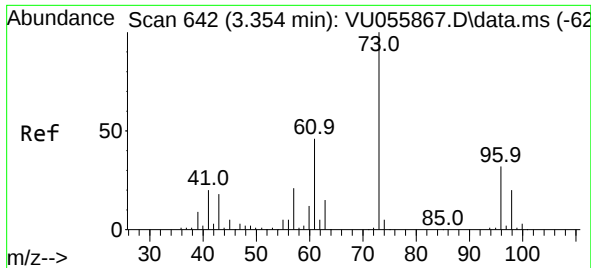
Tgt Ion:101 Resp: 3244  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 37.1 55.7#  
 151 0.0 58.2 87.4#



#12  
 1,1-Dichloroethene  
 Concen: 0.565 ug/L  
 RT: 2.557 min Scan# 394  
 Delta R.T. -0.023 min  
 Lab File: VU055882.D  
 Acq: 25 Oct 2023 16:21

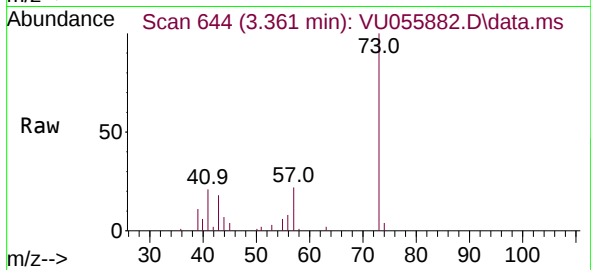
Tgt Ion: 96 Resp: 2295  
 Ion Ratio Lower Upper  
 96 100  
 61 1573.8 122.0 226.6#  
 63 13650.8 93.7 174.1#



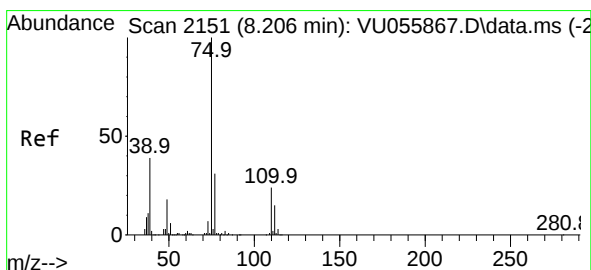
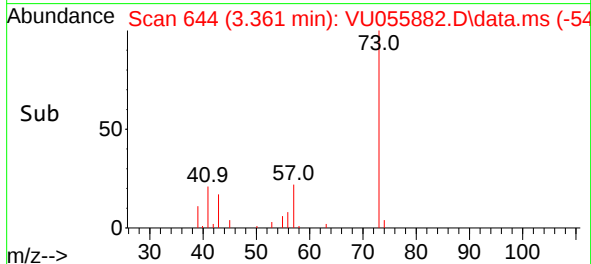
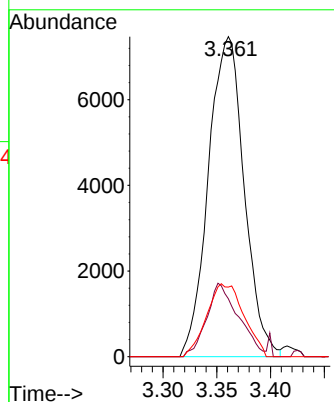


#18  
Methyl tert-butyl Ether  
Concen: 1.294 ug/L  
RT: 3.361 min Scan# 64  
Delta R.T. 0.006 min  
Lab File: VU055882.D  
Acq: 25 Oct 2023 16:21

Instrument :  
MSVOA\_U  
ClientSampleId :

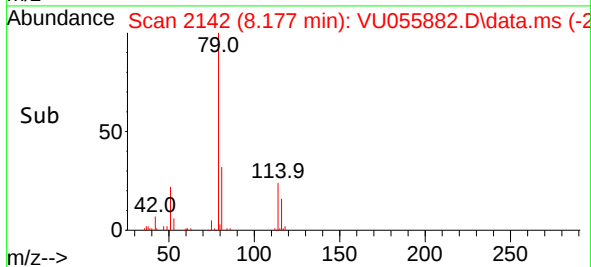
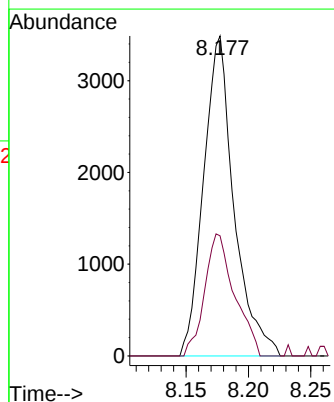
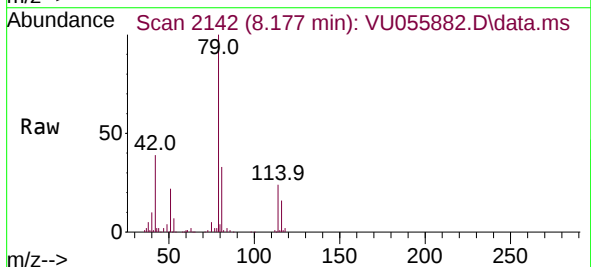


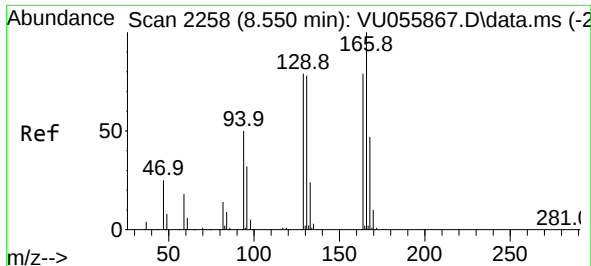
Tgt Ion: 73 Resp: 17284  
Ion Ratio Lower Upper  
73 100  
43 20.6 15.4 23.2  
57 14.1 17.7 26.5#



#44  
trans-1,3-Dichloropropene  
Concen: 0.793 ug/L  
RT: 8.177 min Scan# 2142  
Delta R.T. -0.029 min  
Lab File: VU055882.D  
Acq: 25 Oct 2023 16:21

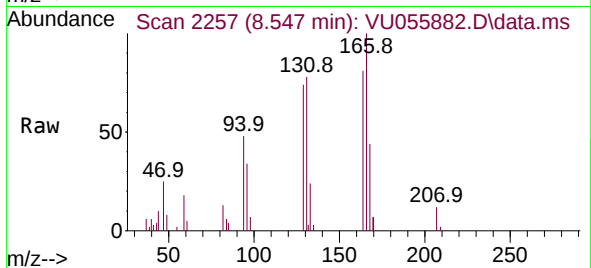
Tgt Ion: 75 Resp: 5908  
Ion Ratio Lower Upper  
75 100  
77 37.6 21.6 40.2



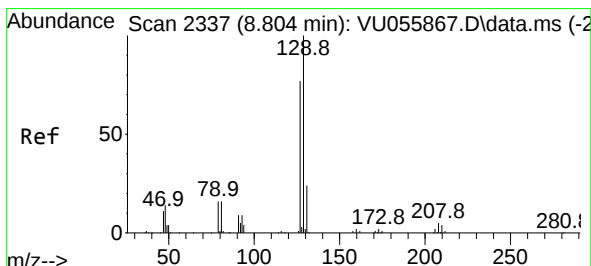
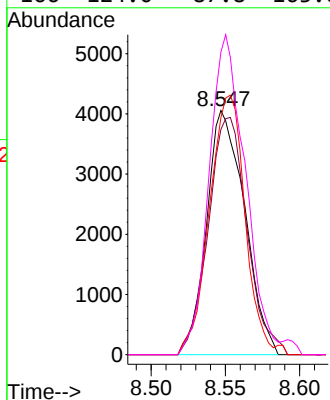
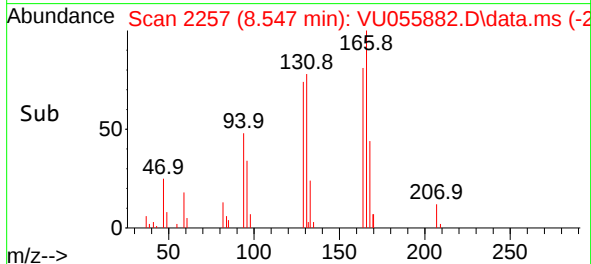


#46  
Tetrachloroethene  
Concen: 1.990 ug/L  
RT: 8.547 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU055882.D  
Acq: 25 Oct 2023 16:21

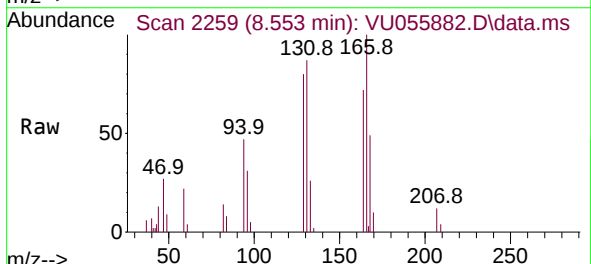
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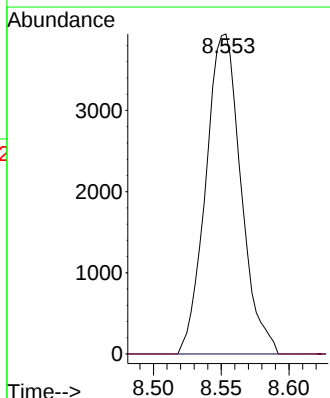
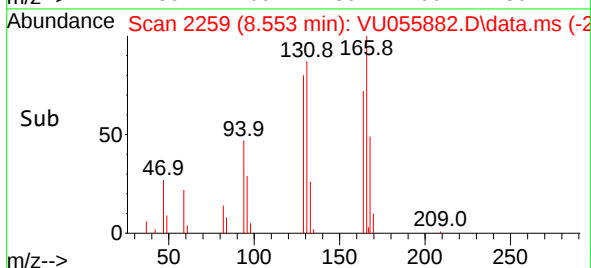
Tgt Ion:164 Resp: 7245  
Ion Ratio Lower Upper  
164 100  
129 92.2 70.7 131.3  
131 100.3 65.9 122.5  
166 124.0 87.8 163.0

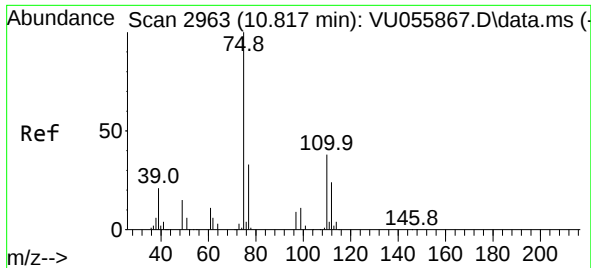


#49  
Dibromochloromethane  
Concen: 1.379 ug/L  
RT: 8.553 min Scan# 2259  
Delta R.T. -0.251 min  
Lab File: VU055882.D  
Acq: 25 Oct 2023 16:21



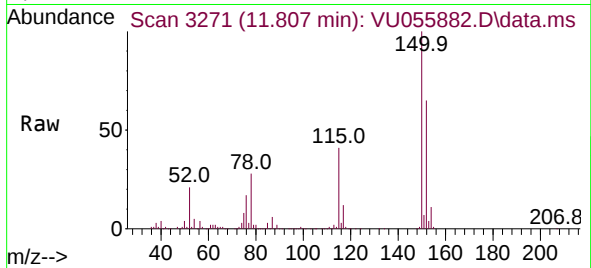
Tgt Ion:129 Resp: 7109  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.0 100.4#





#60  
 1,2,3-Trichloropropane  
 Concen: 5.595 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU055882.D  
 Acq: 25 Oct 2023 16:21

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 37634 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 33.3  | 25.8  | 38.8  |
| 110      | 3.2   | 28.5  | 42.7# |

