

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102023\  
 Data File : VU055825.D  
 Acq On : 20 Oct 2023 12:06  
 Operator : MD/SY  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 23 01:06:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 23 01:04:15 2023  
 Response via : Initial Calibration

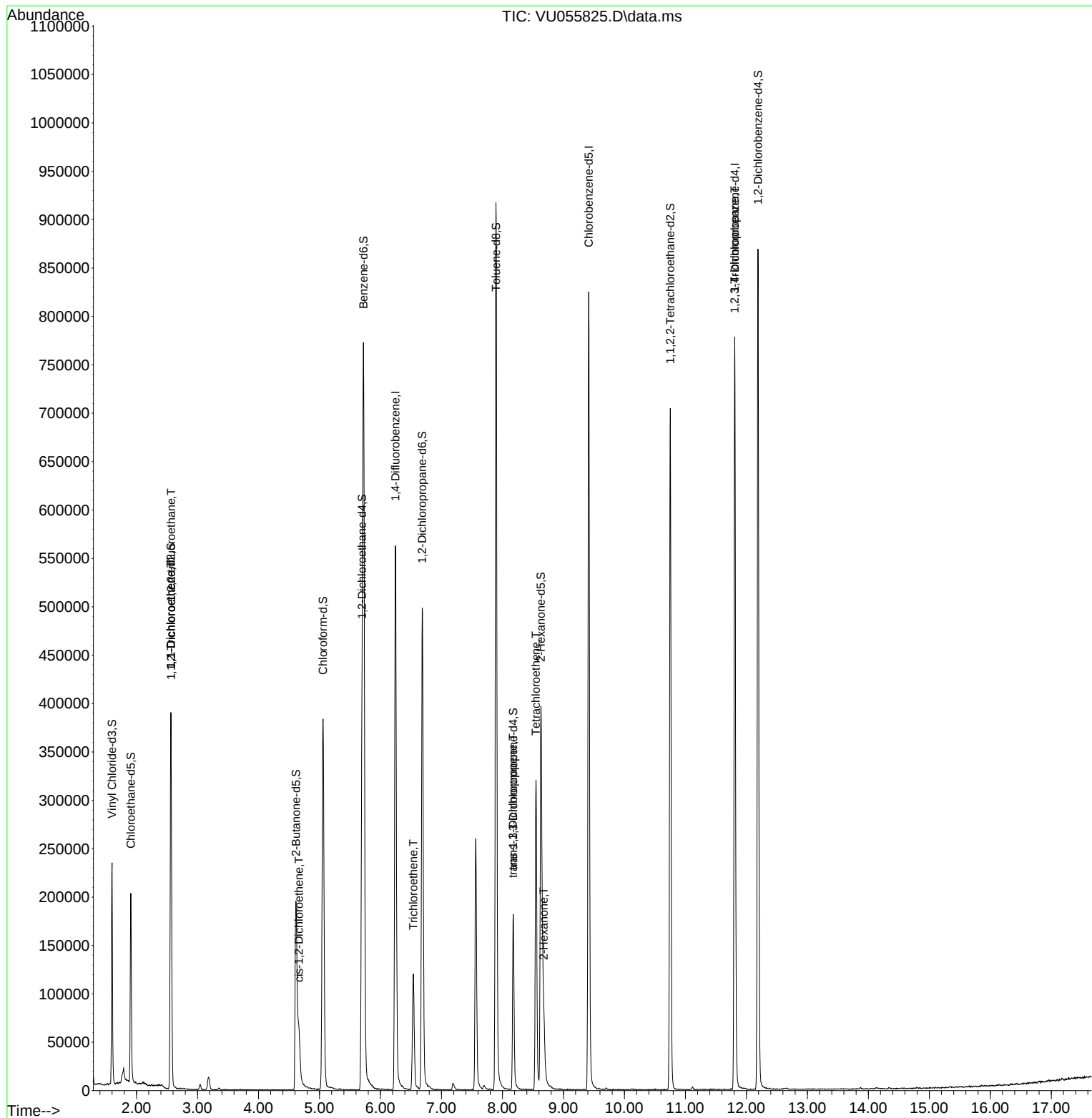
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245   | 114   | 468395   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415   | 117   | 461808   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811  | 152   | 207758   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599   | 65    | 161902   | 38.536   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 77.080%  |
| 7) Chloroethane-d5            | 1.907   | 69    | 146989   | 42.801   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 85.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.563   | 63    | 236024   | 31.507   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 63.020%  |
| 21) 2-Butanone-d5             | 4.615   | 46    | 294744   | 94.678   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.680%  |
| 24) Chloroform-d              | 5.058   | 84    | 369727   | 45.904   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.698   | 65    | 256112   | 51.661   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.320% |
| 32) Benzene-d6                | 5.724   | 84    | 721371   | 48.821   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.640%  |
| 36) 1,2-Dichloropropane-d6    | 6.685   | 67    | 244242   | 52.214   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 104.420% |
| 41) Toluene-d8                | 7.894   | 98    | 619100   | 46.402   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177   | 79    | 108738   | 48.392   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.780%  |
| 47) 2-Hexanone-d5             | 8.631   | 63    | 126348   | 68.708   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 68.710%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753  | 84    | 353353   | 49.076   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190  | 152   | 230826   | 55.987   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 111.980% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.567   | 101   | 2279     | 0.611    | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.563   | 96    | 2156     | 0.649    | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 4.663   | 96    | 21834    | 5.634    | ug/L   | 96       |
| 34) Trichloroethene           | 6.541   | 95    | 37385    | 9.360    | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.174   | 75    | 4894     | 0.836    | ug/L   | 93       |
| 46) Tetrachloroethene         | 8.550   | 164   | 70336    | 24.595   | ug/L   | 96       |
| 48) 2-Hexanone                | 8.679   | 43    | 33957    | 7.189    | ug/L # | 38       |
| 60) 1,2,3-Trichloropropane    | 11.807  | 75    | 25146    | 5.577    | ug/L # | 67       |
| -----                         |         |       |          |          |        |          |

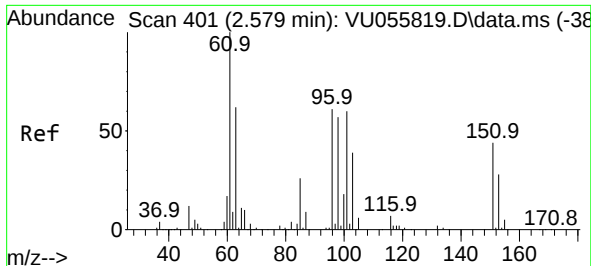
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

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Quant Time: Oct 23 01:06:10 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Oct 23 01:04:15 2023  
Response via : Initial Calibration

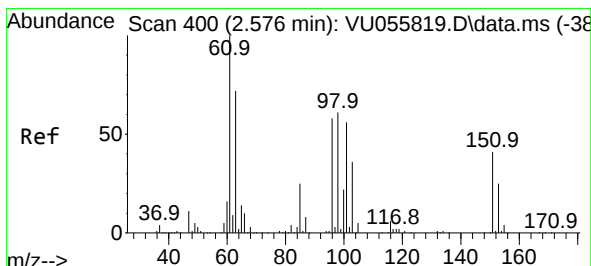
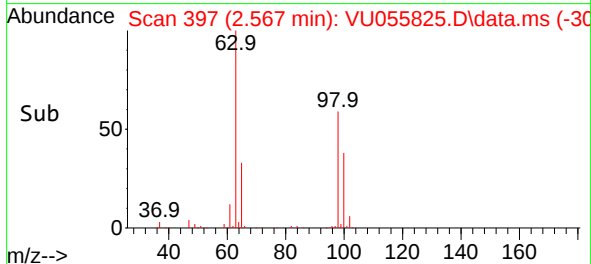
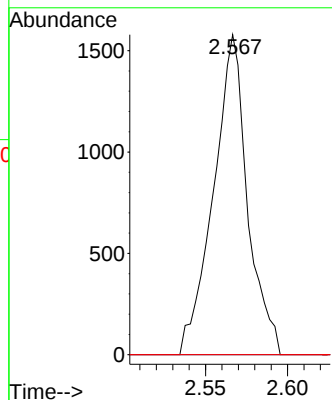
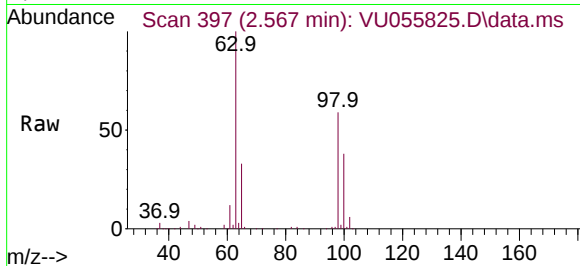




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.611 ug/L  
 RT: 2.567 min Scan# 397  
 Delta R.T. -0.013 min  
 Lab File: VU055825.D  
 Acq: 20 Oct 2023 12:06

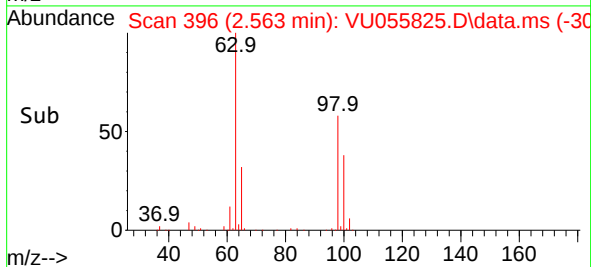
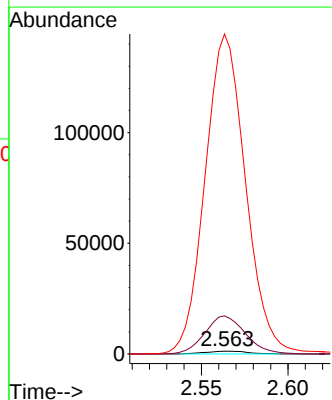
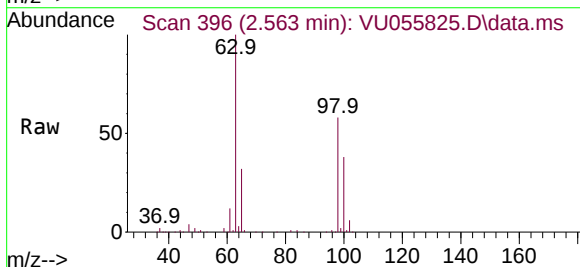
Instrument :  
 MSVOA\_U  
 ClientSampleId :

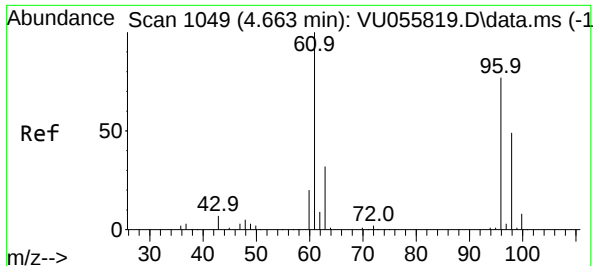
Tgt Ion:101 Resp: 2279  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 37.1 55.7#  
 151 0.0 58.2 87.4#



#12  
 1,1-Dichloroethene  
 Concen: 0.649 ug/L  
 RT: 2.563 min Scan# 396  
 Delta R.T. -0.013 min  
 Lab File: VU055825.D  
 Acq: 20 Oct 2023 12:06

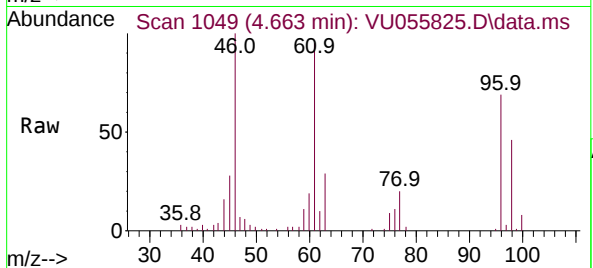
Tgt Ion: 96 Resp: 2156  
 Ion Ratio Lower Upper  
 96 100  
 61 1374.9 122.0 226.6#  
 63 11556.8 93.7 174.1#





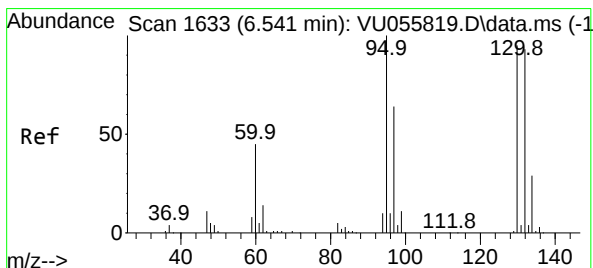
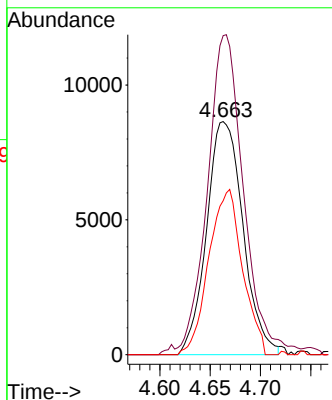
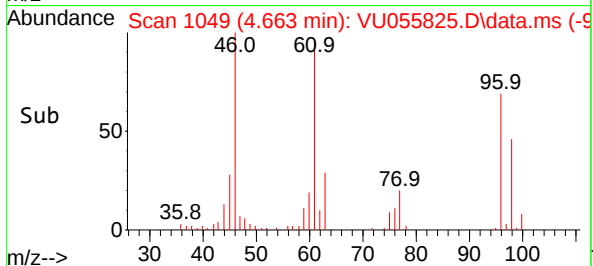
#20  
 cis-1,2-Dichloroethene  
 Concen: 5.634 ug/L  
 RT: 4.663 min Scan# 1049  
 Delta R.T. 0.000 min  
 Lab File: VU055825.D  
 Acq: 20 Oct 2023 12:06

Instrument :  
 MSVOA\_U  
 ClientSampleId :

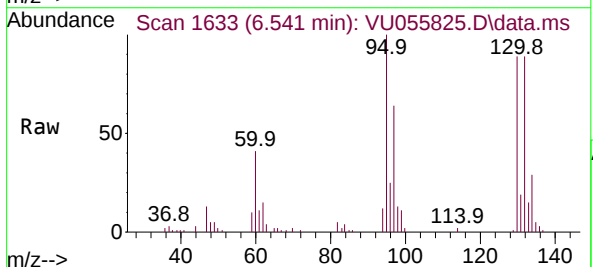


Tgt Ion: 96 Resp: 21834

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 136.8 | 92.3  | 171.5 |
| 98  | 66.0  | 43.9  | 81.5  |

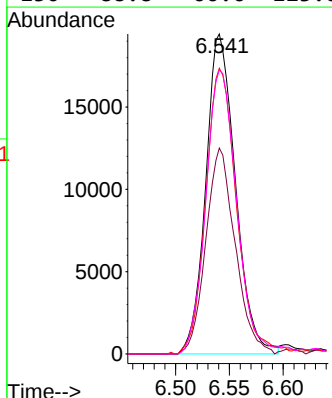
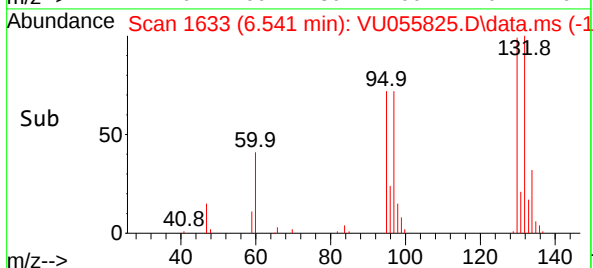


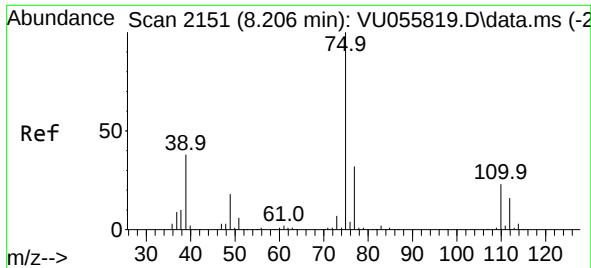
#34  
 Trichloroethene  
 Concen: 9.360 ug/L  
 RT: 6.541 min Scan# 1633  
 Delta R.T. 0.000 min  
 Lab File: VU055825.D  
 Acq: 20 Oct 2023 12:06



Tgt Ion: 95 Resp: 37385

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.4  | 44.4  | 82.5  |
| 132 | 89.3  | 61.8  | 114.8 |
| 130 | 88.8  | 66.6  | 123.8 |

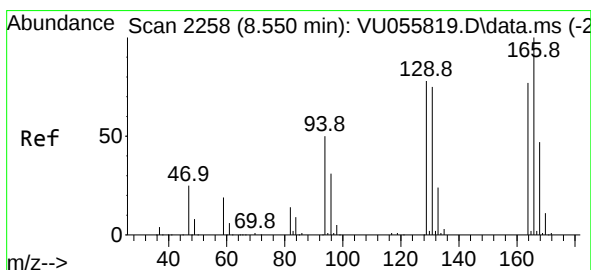
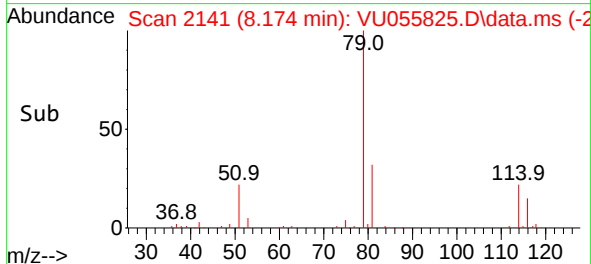
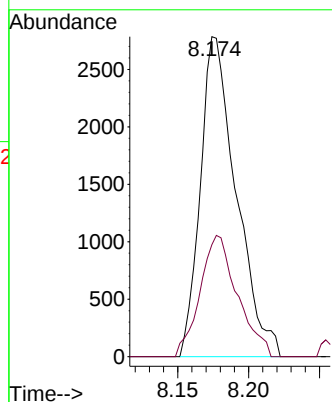
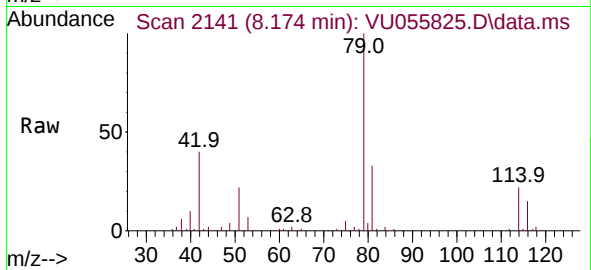




#44  
trans-1,3-Dichloropropene  
Concen: 0.836 ug/L  
RT: 8.174 min Scan# 2151  
Delta R.T. -0.032 min  
Lab File: VU055825.D  
Acq: 20 Oct 2023 12:06

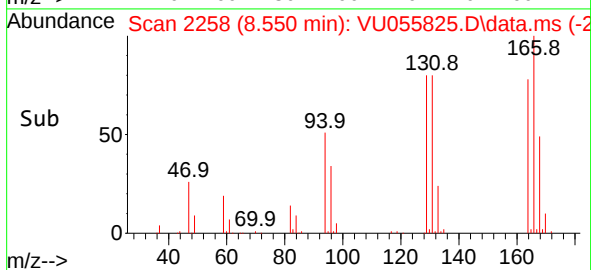
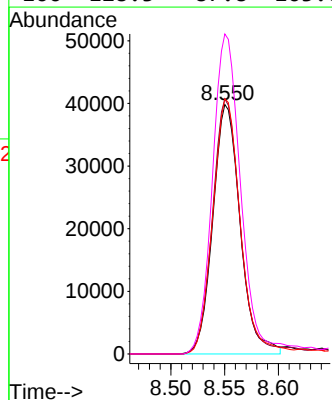
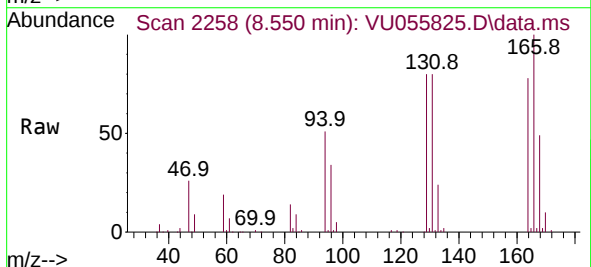
Instrument :  
MSVOA\_U  
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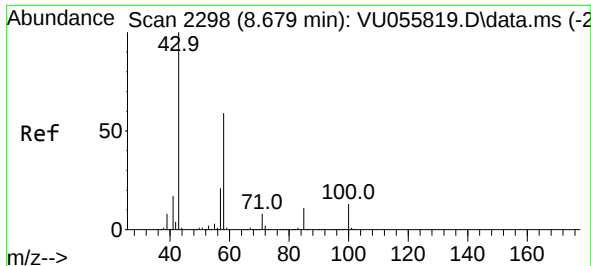
Tgt Ion: 75 Resp: 4894  
Ion Ratio Lower Upper  
75 100  
77 35.0 21.6 40.2



#46  
Tetrachloroethene  
Concen: 24.595 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. 0.000 min  
Lab File: VU055825.D  
Acq: 20 Oct 2023 12:06

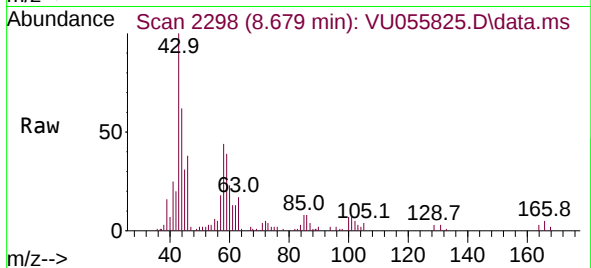
Tgt Ion: 164 Resp: 70336  
Ion Ratio Lower Upper  
164 100  
129 102.3 70.7 131.3  
131 102.4 65.9 122.5  
166 128.3 87.8 163.0



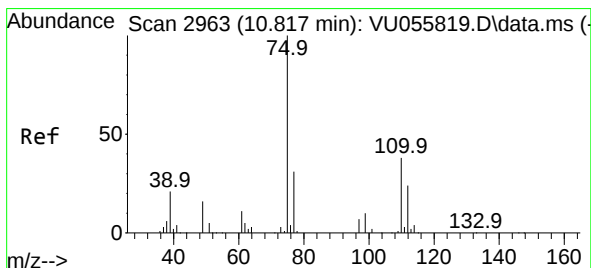
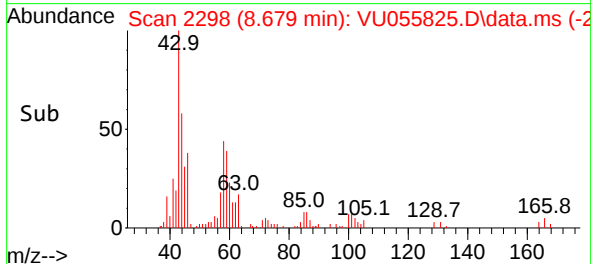
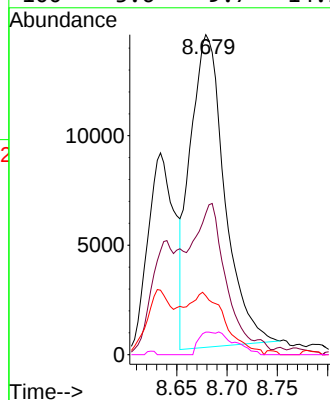


#48  
2-Hexanone  
Concen: 7.189 ug/L  
RT: 8.679 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU055825.D  
Acq: 20 Oct 2023 12:06

Instrument :  
MSVOA\_U  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 33957 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.2   | 45.2  | 67.8# |
| 57       | 0.4   | 16.1  | 24.1# |
| 100      | 3.6   | 9.7   | 14.5# |



#60  
1,2,3-Trichloropropane  
Concen: 5.577 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU055825.D  
Acq: 20 Oct 2023 12:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 25146 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.2  | 25.8  | 38.8  |
| 110      | 1.1   | 28.5  | 42.7# |

