

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121923\  
 Data File : VU057048.D  
 Acq On : 19 Dec 2023 16:46  
 Operator : MD/SY  
 Sample : 05843-13  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 20 04:58:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 20 04:54:16 2023  
 Response via : Initial Calibration

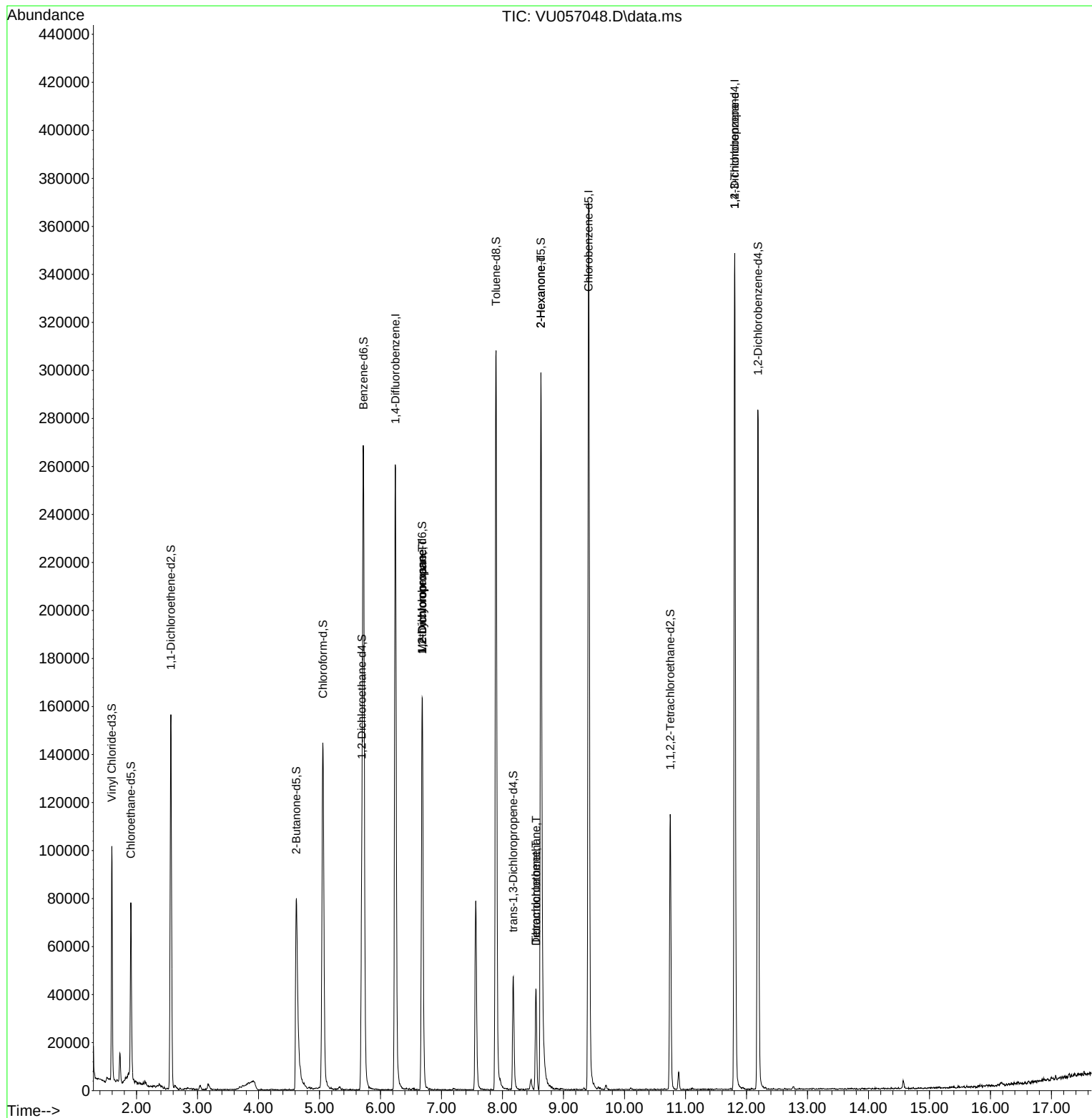
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 210751   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 212774   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 91140    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 68319    | 3.782    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.600%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 52108    | 3.855    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 77.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 30403    | 3.934    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.600%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 128189   | 35.932   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 71.860%  |
| 24) Chloroform-d              | 5.055  | 84    | 140394   | 4.104    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 68889    | 4.256    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.200%  |
| 32) Benzene-d6                | 5.721  | 84    | 253855   | 3.846    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 77.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 78546    | 3.802    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 76.000%  |
| 41) Toluene-d8                | 7.894  | 98    | 213627   | 3.622    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 72.400%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 29231    | 3.649    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 73.000%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 100038   | 33.111   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 66.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 57756    | 3.864    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 77.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 76570    | 4.274    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 35) Methylcyclohexane         | 6.682  | 83    | 20087    | 0.664    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.685  | 63    | 9088     | 0.475    | ug/L # | 91       |
| 47) Tetrachloroethene         | 8.547  | 164   | 8872     | 0.618    | ug/L   | 92       |
| 48) 2-Hexanone                | 8.631  | 43    | 14291    | 2.209    | ug/L # | 79       |
| 49) Dibromochloromethane      | 8.550  | 129   | 9313     | 0.627    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 10297    | 1.052    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

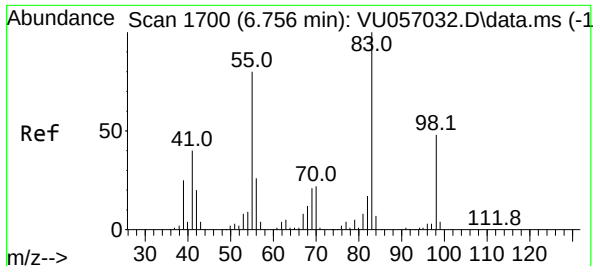
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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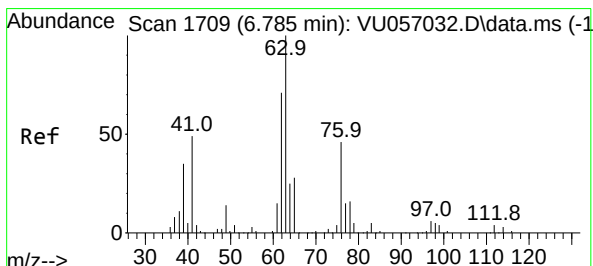
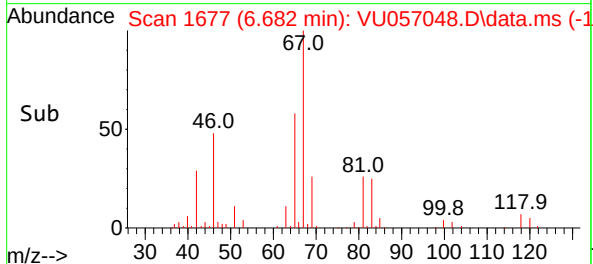
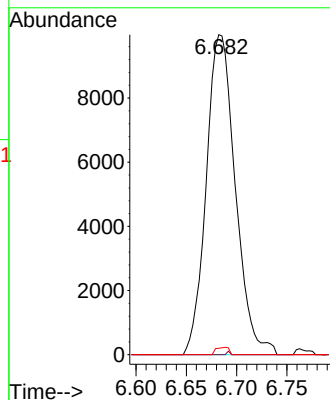
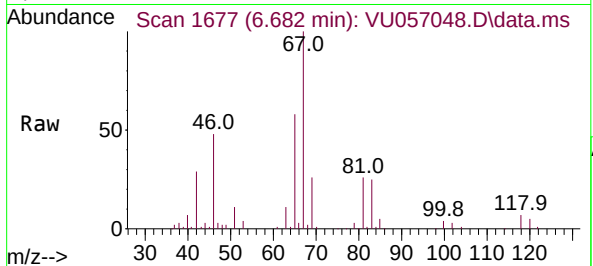




#35  
Methylcyclohexane  
Concen: 0.664 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.074 min  
Lab File: VU057048.D  
Acq: 19 Dec 2023 16:46

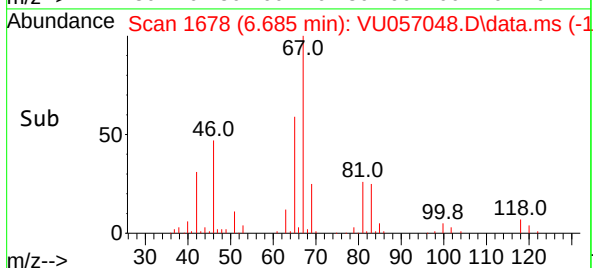
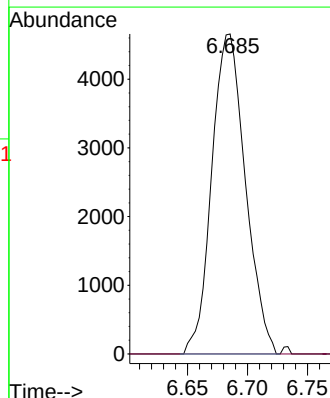
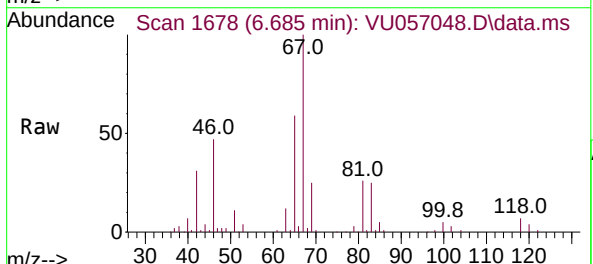
Instrument :  
MSVOA\_U  
ClientSampleId :

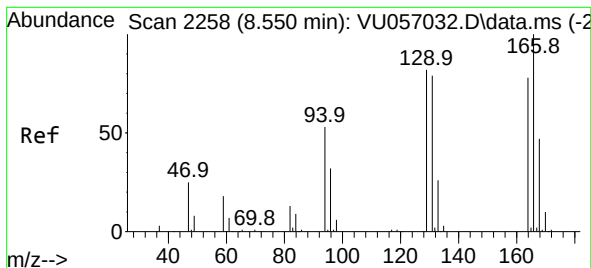
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.1   | 64.6  | 97.0# |
| 98      | 1.0   | 36.1  | 54.1# |



#37  
1,2-Dichloropropane  
Concen: 0.475 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.100 min  
Lab File: VU057048.D  
Acq: 19 Dec 2023 16:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 1.0   | 3.3   | 4.9#  |





#47

Tetrachloroethene

Concen: 0.618 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

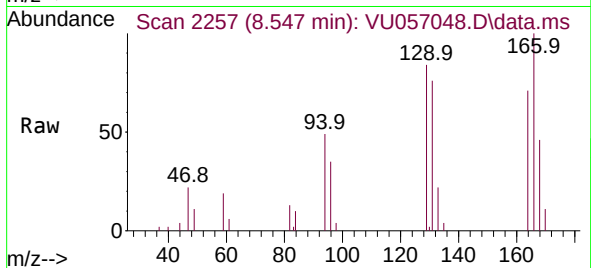
Lab File: VU057048.D

Acq: 19 Dec 2023 16:46

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:164 Resp: 8872

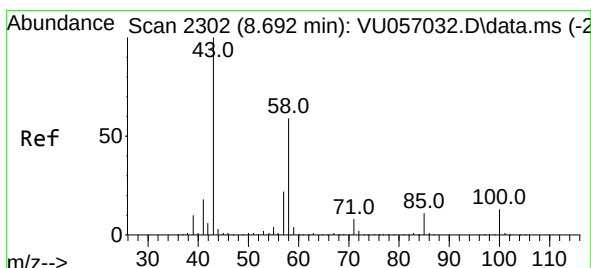
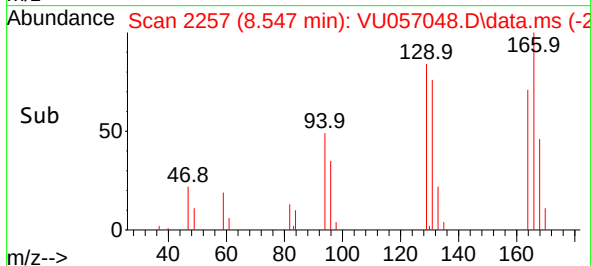
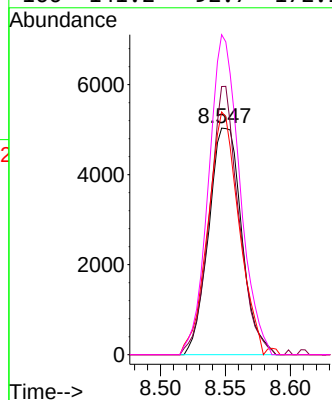
Ion Ratio Lower Upper

164 100

129 118.4 73.4 136.4

131 107.1 71.5 132.9

166 141.2 92.7 172.1



#48

2-Hexanone

Concen: 2.209 ug/L

RT: 8.631 min Scan# 2283

Delta R.T. -0.061 min

Lab File: VU057048.D

Acq: 19 Dec 2023 16:46

Tgt Ion: 43 Resp: 14291

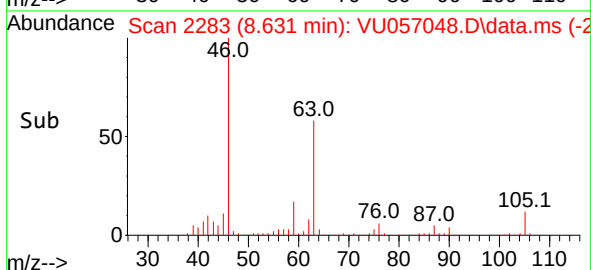
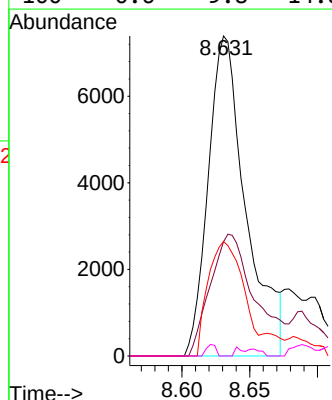
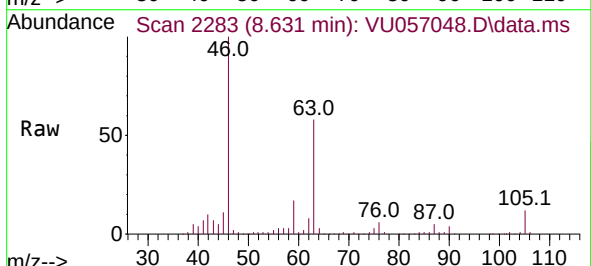
Ion Ratio Lower Upper

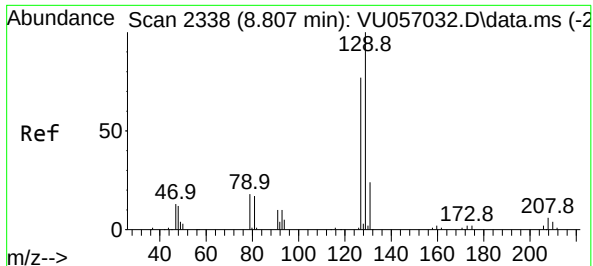
43 100

58 46.2 47.5 71.3#

57 33.9 17.0 25.4#

100 0.6 9.8 14.8#





#49

Dibromochloromethane

Concen: 0.627 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU057048.D

Acq: 19 Dec 2023 16:46

Instrument :

MSVOA\_U

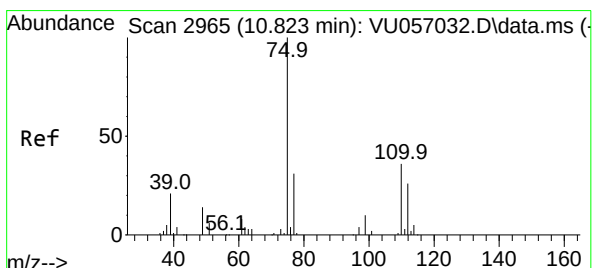
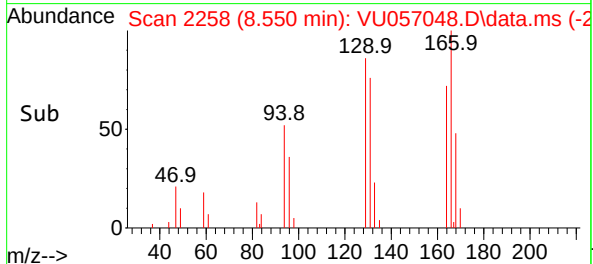
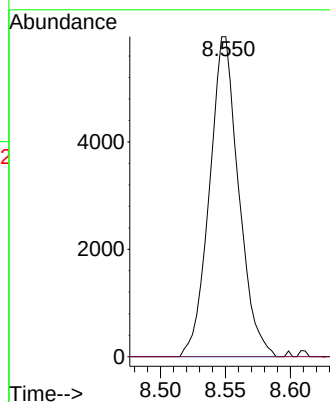
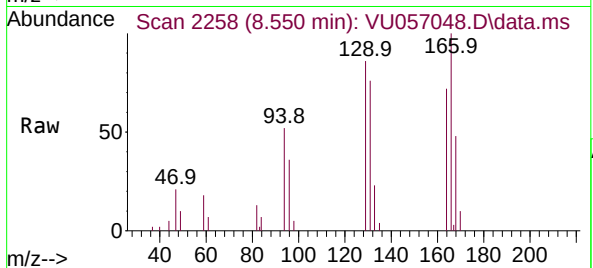
ClientSampleId :

Tgt Ion:129 Resp: 9313

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.052 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.984 min

Lab File: VU057048.D

Acq: 19 Dec 2023 16:46

Tgt Ion: 75 Resp: 10297

Ion Ratio Lower Upper

75 100

110 2.3 28.4 42.6#

77 37.1 26.3 39.5

