

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121723\  
 Data File : VU056977.D  
 Acq On : 17 Dec 2023 18:53  
 Operator : MD/SY  
 Sample : 05842-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 18 01:19:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Dec 18 01:16:15 2023  
 Response via : Initial Calibration

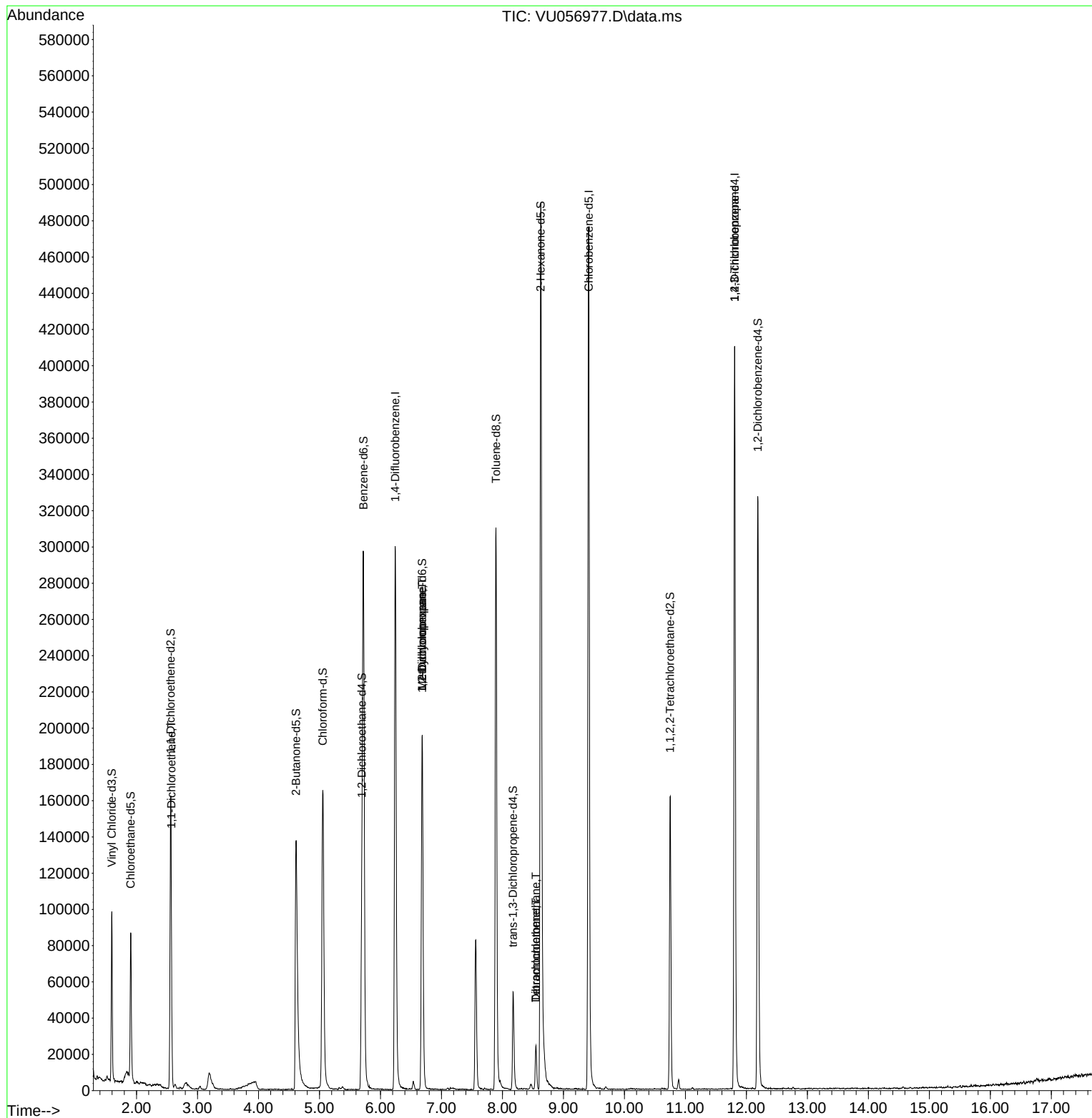
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 245117   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 274213   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 110016   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 65515    | 3.118    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 62.400%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 64751    | 4.118    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 82.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 30168    | 3.356    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 67.200%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 214984   | 51.812   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 103.620% |
| 24) Chloroform-d              | 5.055  | 84    | 163301   | 4.104    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 80538    | 4.278    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 286262   | 3.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 67.400%# |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 97561    | 3.665    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 73.200%  |
| 41) Toluene-d8                | 7.894  | 98    | 214017   | 2.815    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 56.400%# |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 31997    | 3.099    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 62.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 162317   | 41.687   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 83.380%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 82878    | 4.303    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 88795    | 4.106    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 82.200%  |
| Target Compounds              |        |       |          |          |        |          |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 2692     | 0.135    | ug/L # | 1        |
| 35) Methylcyclohexane         | 6.685  | 83    | 23409    | 0.600    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 10476    | 0.425    | ug/L # | 91       |
| 47) Tetrachloroethene         | 8.547  | 164   | 4870     | 0.263    | ug/L # | 76       |
| 49) Dibromochloromethane      | 8.547  | 129   | 5922     | 0.309    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 13534    | 1.146    | ug/L # | 71       |

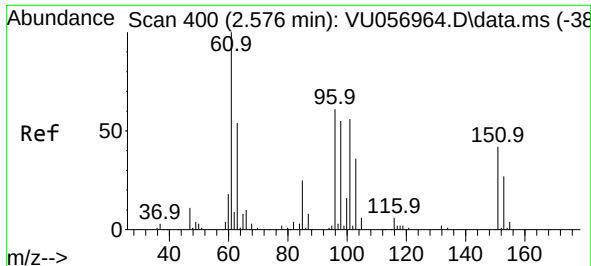
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Mon Dec 18 01:16:15 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.135 ug/L

RT: 2.570 min Scan# 31

Delta R.T. -0.006 min

Lab File: VU056977.D

Acq: 17 Dec 2023 18:53

Instrument :

MSVOA\_U

ClientSampleId :

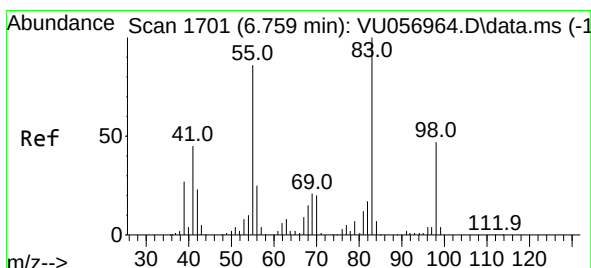
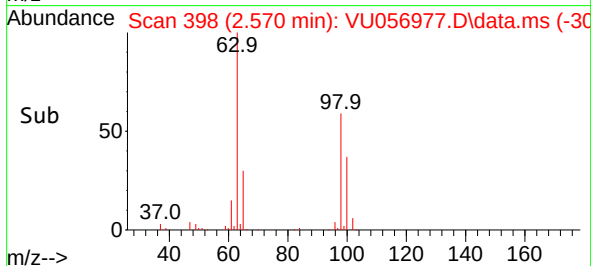
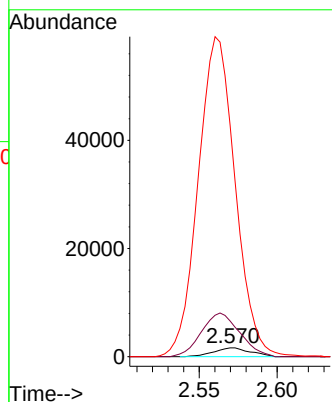
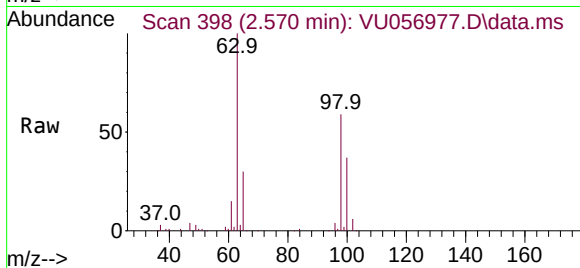
Tgt Ion: 96 Resp: 2692

Ion Ratio Lower Upper

96 100

61 402.0 119.0 221.0#

63 2610.4 88.7 164.7#



#35

Methylcyclohexane

Concen: 0.600 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056977.D

Acq: 17 Dec 2023 18:53

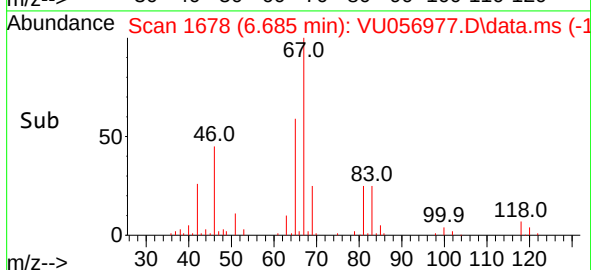
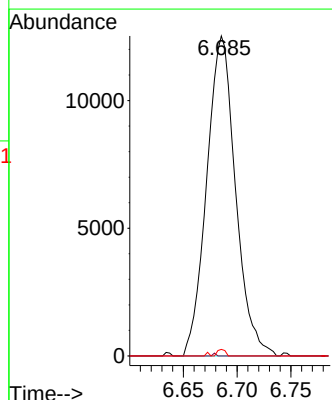
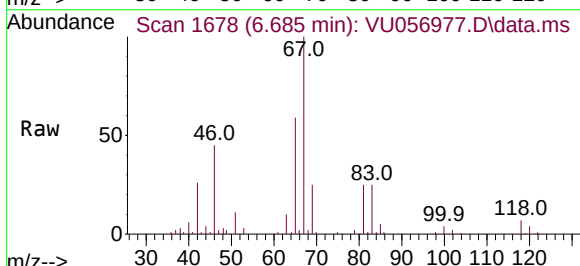
Tgt Ion: 83 Resp: 23409

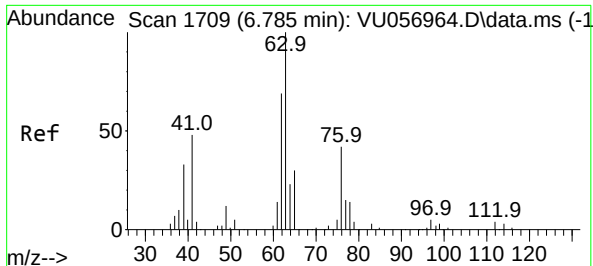
Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 0.6 36.1 54.1#

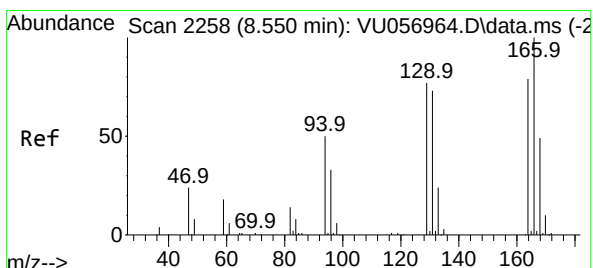
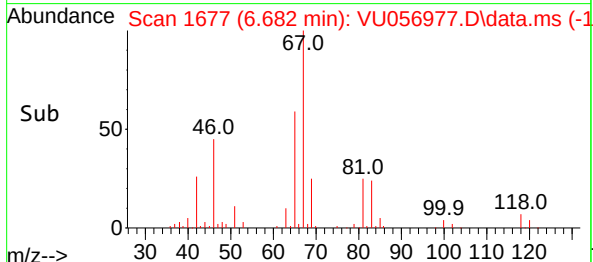
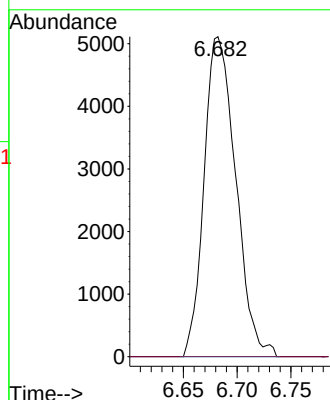
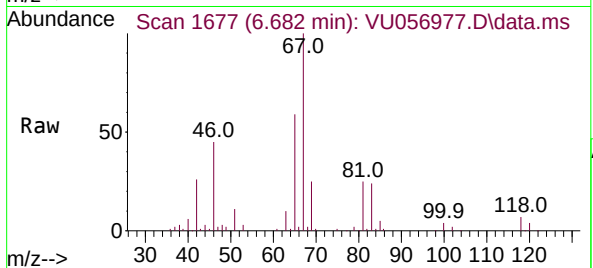




#37  
1,2-Dichloropropane  
Concen: 0.425 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.103 min  
Lab File: VU056977.D  
Acq: 17 Dec 2023 18:53

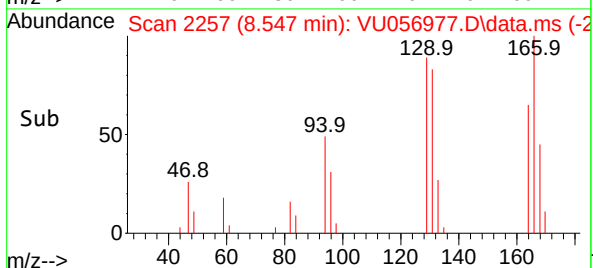
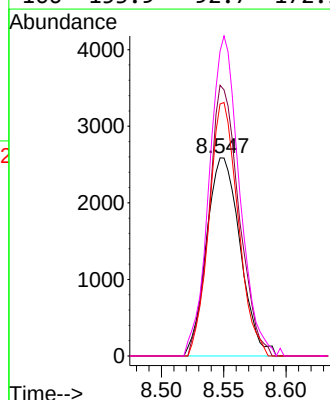
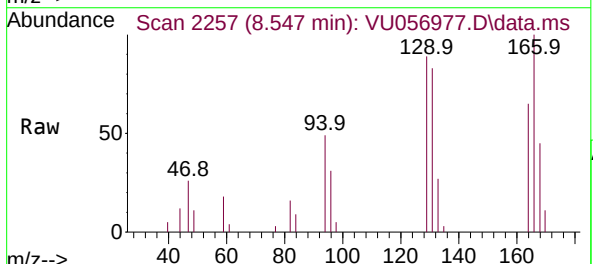
Instrument :  
MSVOA\_U  
ClientSampleId :

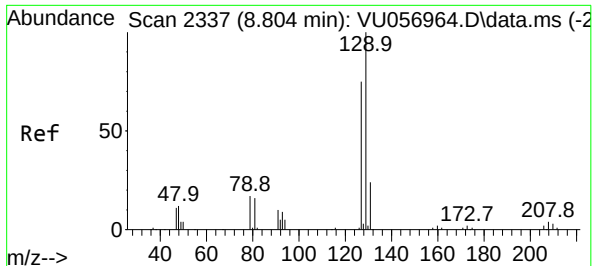
Tgt Ion: 63 Resp: 10476  
Ion Ratio Lower Upper  
63 100  
112 1.1 3.3 4.9#



#47  
Tetrachloroethene  
Concen: 0.263 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.003 min  
Lab File: VU056977.D  
Acq: 17 Dec 2023 18:53

Tgt Ion:164 Resp: 4870  
Ion Ratio Lower Upper  
164 100  
129 136.6 73.4 136.4#  
131 127.3 71.5 132.9  
166 153.9 92.7 172.1





#49

Dibromochloromethane

Concen: 0.309 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU056977.D

Acq: 17 Dec 2023 18:53

Instrument :

MSVOA\_U

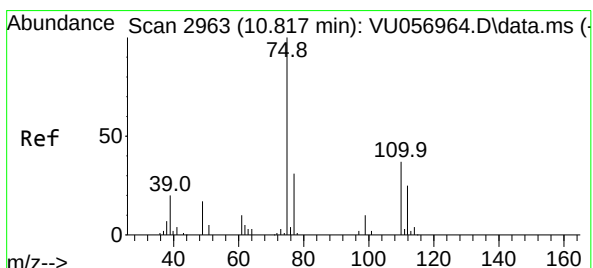
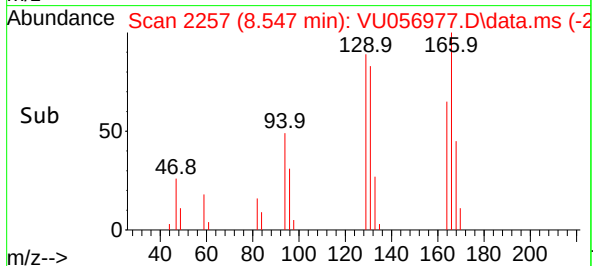
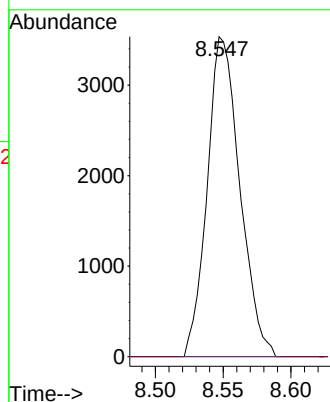
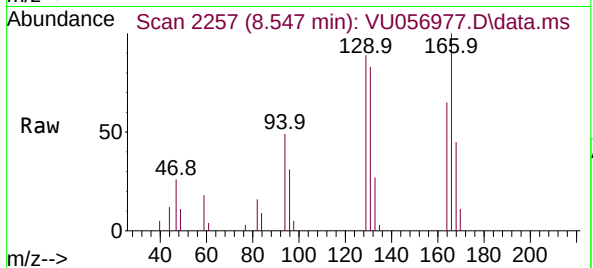
ClientSampleId :

Tgt Ion:129 Resp: 5922

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.146 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU056977.D

Acq: 17 Dec 2023 18:53

Tgt Ion: 75 Resp: 13534

Ion Ratio Lower Upper

75 100

110 3.4 28.4 42.6#

77 33.9 26.3 39.5

