

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082324\  
 Data File : VU060531.D  
 Acq On : 23 Aug 2024 23:59  
 Operator : MD/SY  
 Sample : P3711-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 24 01:51:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 24 01:46:38 2024  
 Response via : Initial Calibration

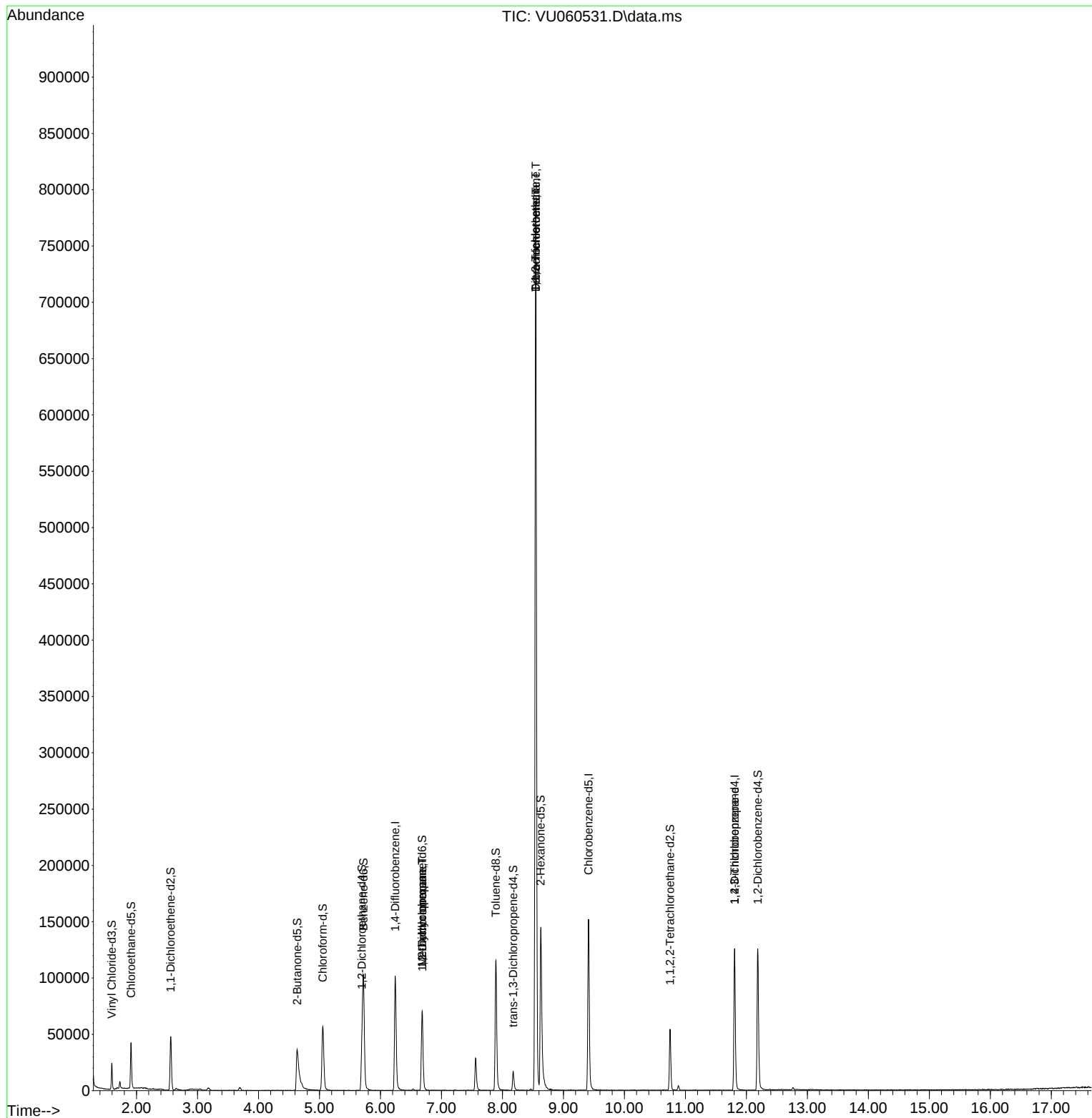
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 82254    | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 90195    | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 36064    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 16646    | 4.582    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.600%   |
| 7) Chloroethane-d5            | 1.911  | 69    | 29950    | 5.441    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 108.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 8978     | 4.193    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.800%   |
| 20) 2-Butanone-d5             | 4.634  | 46    | 60706    | 48.592   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 97.180%   |
| 24) Chloroform-d              | 5.055  | 84    | 57643    | 5.565    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 111.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 31158    | 5.765    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 115.200%  |
| 32) Benzene-d6                | 5.721  | 84    | 96434    | 4.889    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.800%   |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 33919    | 5.330    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 106.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 82811    | 4.475    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.600%   |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 10350    | 4.545    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.000%   |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 50916    | 46.701   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.400%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 26821    | 4.737    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.800%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 37579    | 7.067    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 141.400%# |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 35) Methylcyclohexane         | 6.685  | 83    | 7446     | 0.700    | ug/L # | 16        |
| 37) 1,2-Dichloropropane       | 6.689  | 63    | 3674     | 0.501    | ug/L # | 91        |
| 45) 1,1,2-Trichloroethane     | 8.544  | 97    | 1596     | 0.301    | ug/L # | 12        |
| 47) Tetrachloroethene         | 8.547  | 164   | 179152   | 28.187   | ug/L   | 98        |
| 49) Dibromochloromethane      | 8.547  | 129   | 169827   | 27.625   | ug/L # | 12        |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 3928     | 1.129    | ug/L # | 62        |
| -----                         |        |       |          |          |        |           |

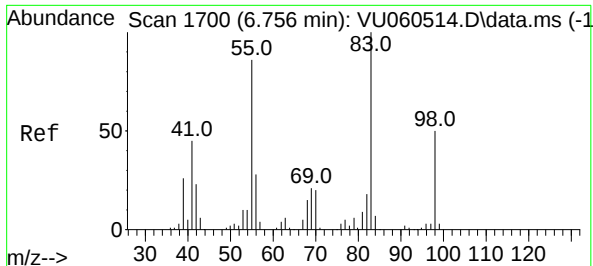
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#35

Methylcyclohexane

Concen: 0.700 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU060531.D

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Instrument :

MSVOA\_U

ClientSampleId :

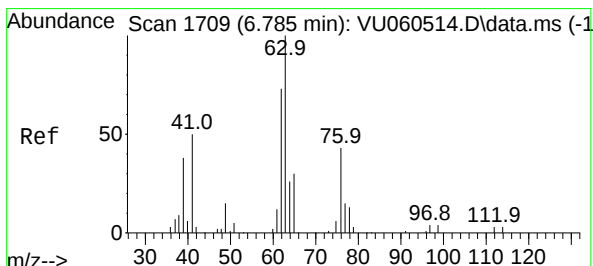
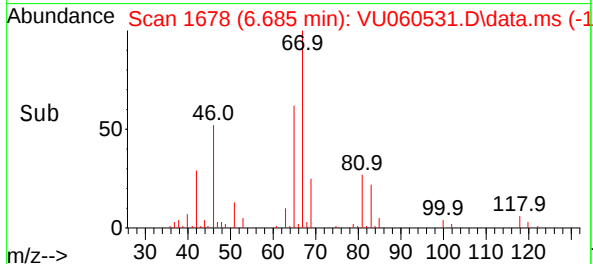
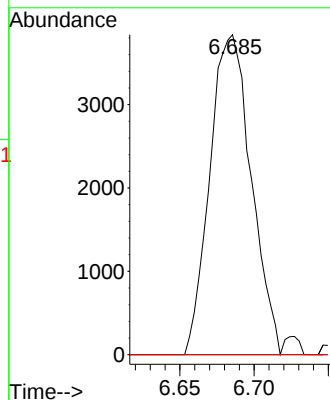
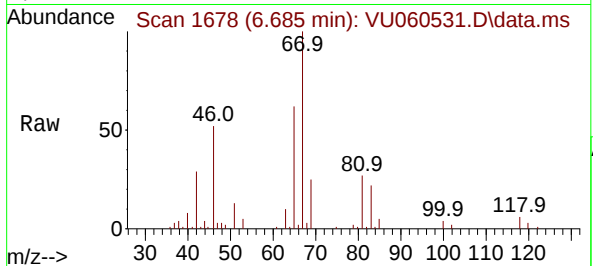
Tgt Ion: 83 Resp: 7446

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.8#

98 0.0 37.8 56.8#



#37

1,2-Dichloropropane

Concen: 0.501 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.097 min

Lab File: VU060531.D

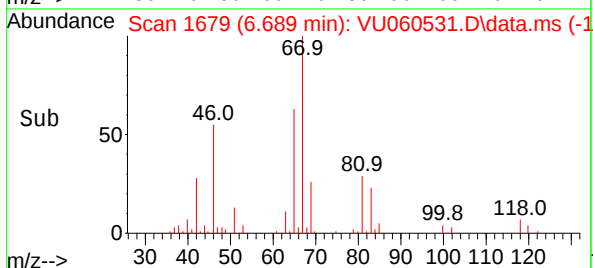
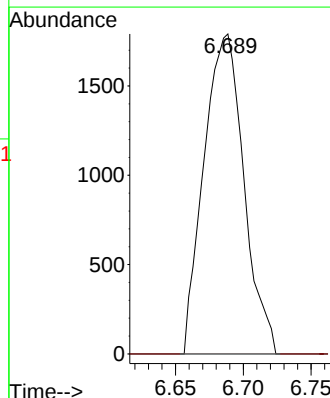
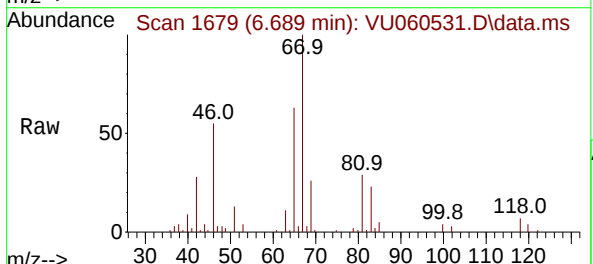
Acq: 23 Aug 2024 23:59

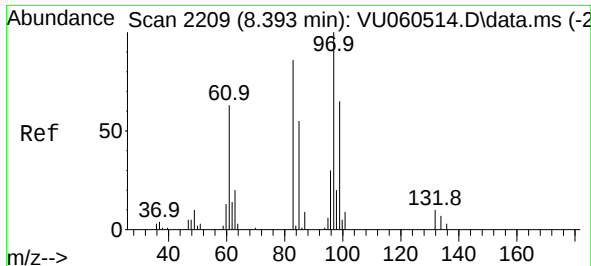
Tgt Ion: 63 Resp: 3674

Ion Ratio Lower Upper

63 100

112 0.0 2.3 3.5#





#45

1,1,2-Trichloroethane

Concen: 0.301 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.151 min

Lab File: VU060531.D

Acq: 23 Aug 2024 23:59

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 97 Resp: 1596

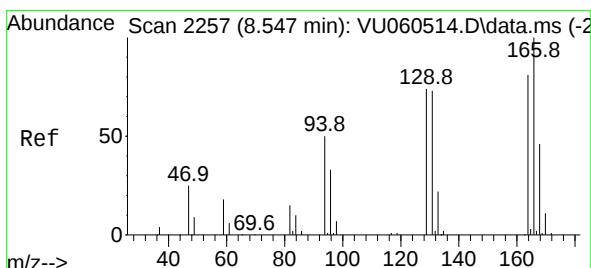
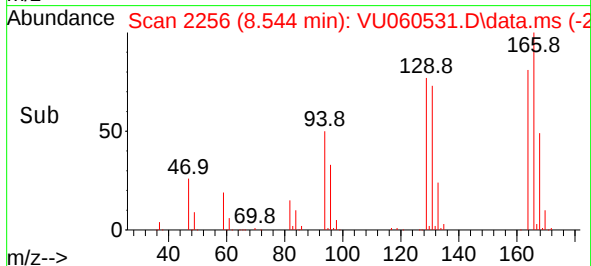
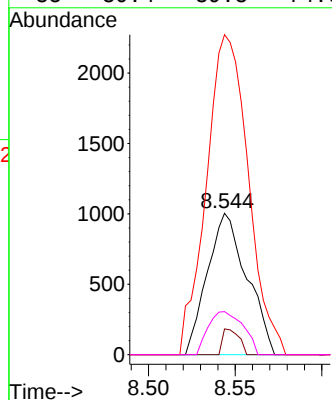
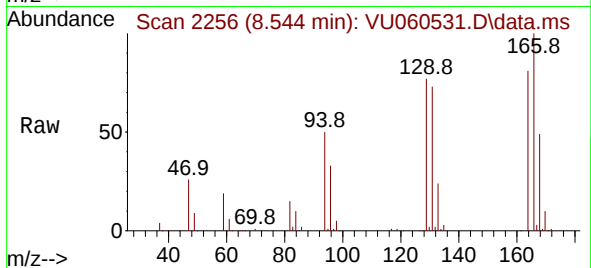
Ion Ratio Lower Upper

97 100

99 18.2 42.4 78.8#

83 226.2 64.0 119.0#

85 30.4 39.8 74.0#



#47

Tetrachloroethene

Concen: 28.187 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060531.D

Acq: 23 Aug 2024 23:59

Tgt Ion:164 Resp: 179152

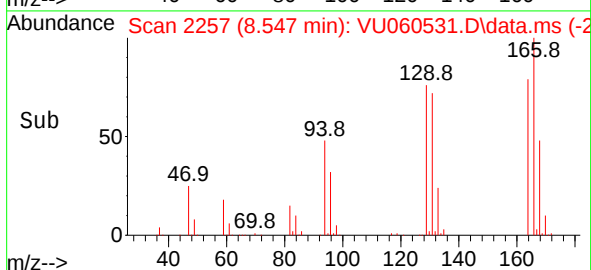
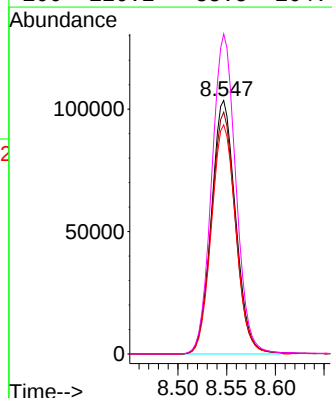
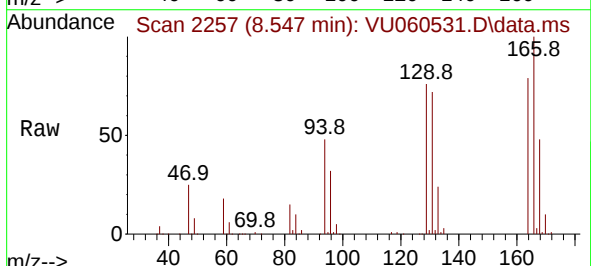
Ion Ratio Lower Upper

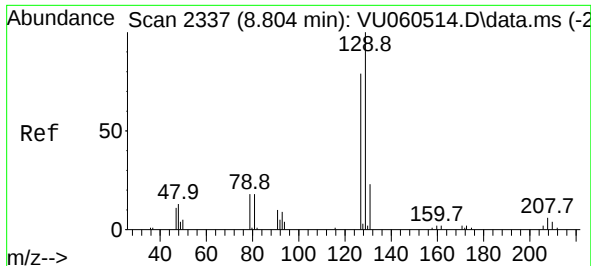
164 100

129 95.4 67.8 125.8

131 90.4 67.2 124.8

166 126.2 88.5 164.4





#49

Dibromochloromethane

Concen: 27.625 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU060531.D

Acq: 23 Aug 2024 23:59

Instrument :

MSVOA\_U

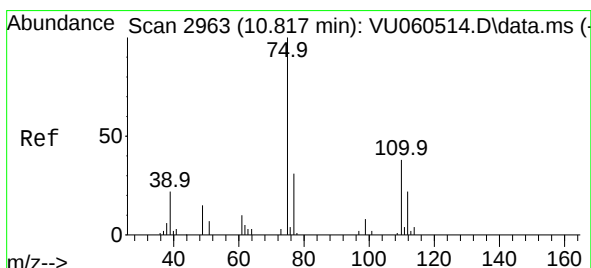
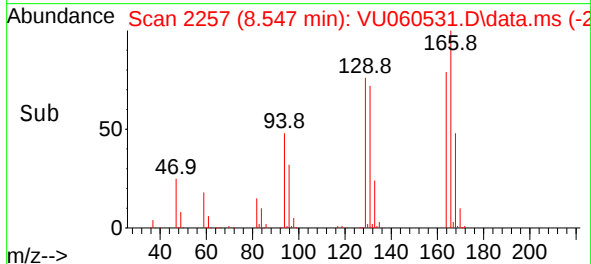
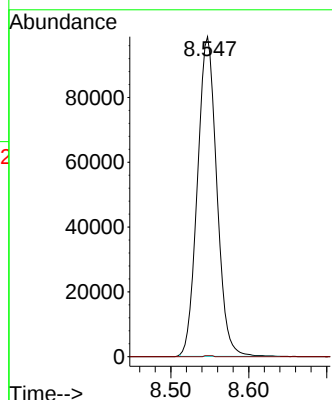
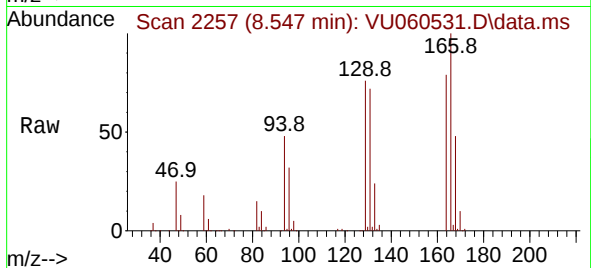
ClientSampleId :

Tgt Ion:129 Resp: 169827

Ion Ratio Lower Upper

129 100

127 0.3 53.0 98.4#



#61

1,2,3-Trichloropropane

Concen: 1.129 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU060531.D

Acq: 23 Aug 2024 23:59

Tgt Ion: 75 Resp: 3928

Ion Ratio Lower Upper

75 100

110 0.0 30.2 45.4#

77 37.1 25.4 38.2

