

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121923\  
 Data File : VU057071.D  
 Acq On : 20 Dec 2023 02:27  
 Operator : MD/SY  
 Sample : 05865-14  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 20 06:57:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 20 06:35:40 2023  
 Response via : Initial Calibration

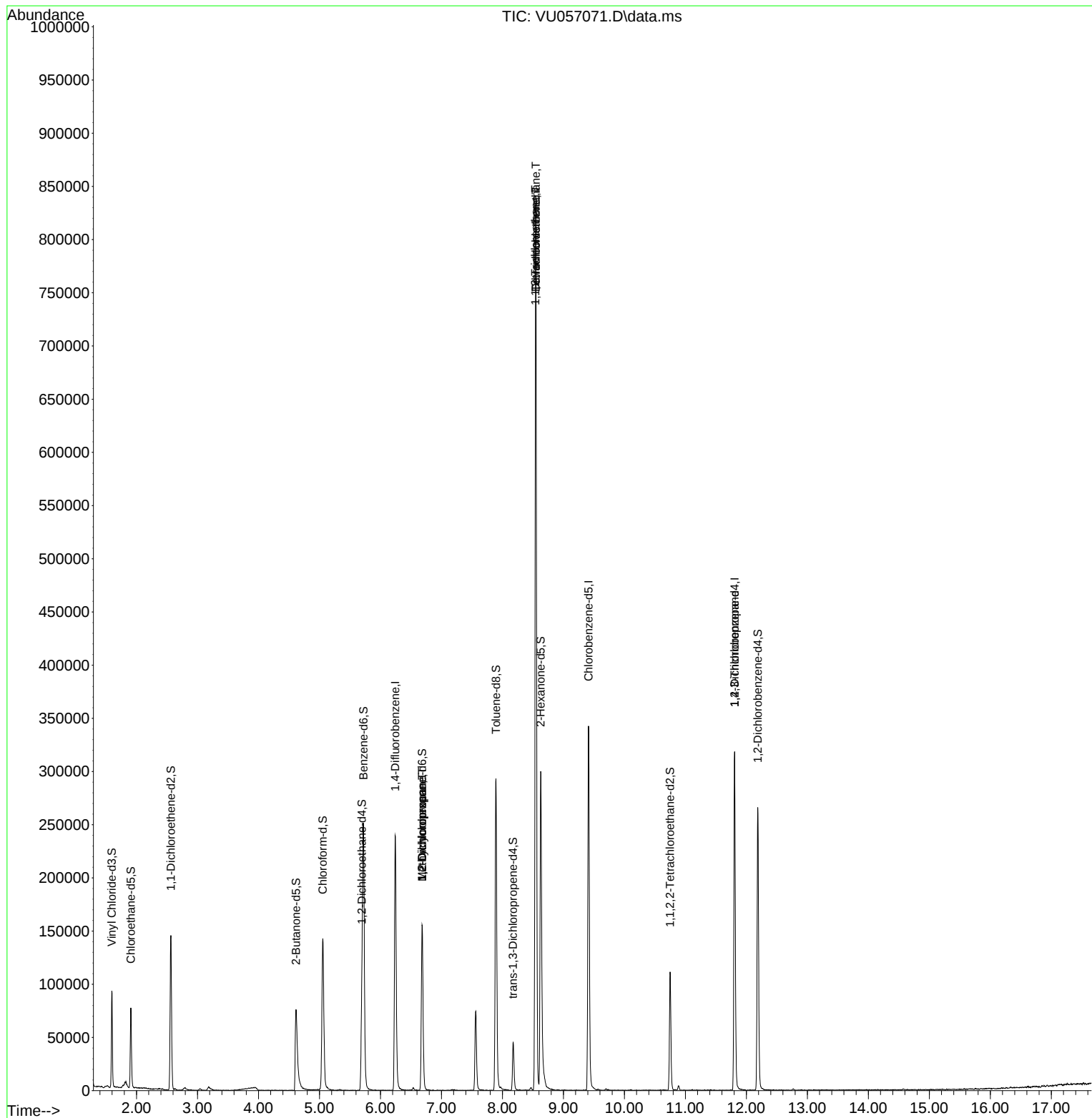
| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114            | 196325   | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 196240   | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 84286    | 5.000  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 62912    | 3.738  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 74.800% |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 56802    | 4.511  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 90.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 27499    | 3.819  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 76.400% |          |
| 20) 2-Butanone-d5             | 4.615  | 46             | 117871   | 35.468 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 70.940% |          |
| 24) Chloroform-d              | 5.055  | 84             | 137085   | 4.302  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 66155    | 4.387  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 87.800% |          |
| 32) Benzene-d6                | 5.721  | 84             | 242186   | 3.979  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 79.600% |          |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67             | 74462    | 3.908  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 78.200% |          |
| 41) Toluene-d8                | 7.894  | 98             | 202755   | 3.727  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 74.600% |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79             | 27108    | 3.669  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 73.400% |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 100285   | 35.989 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 71.980% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84             | 54380    | 3.945  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 79.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152            | 70176    | 4.235  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 84.800% |          |
| Target Compounds              |        |                |          |        |         |          |
|                               |        |                |          |        | Qvalue  |          |
| 35) Methylcyclohexane         | 6.685  | 83             | 18246    | 0.654  | ug/L #  | 17       |
| 37) 1,2-Dichloropropane       | 6.685  | 63             | 8665     | 0.491  | ug/L #  | 88       |
| 45) 1,1,2-Trichloroethane     | 8.540  | 97             | 1693     | 0.142  | ug/L #  | 25       |
| 47) Tetrachloroethene         | 8.547  | 164            | 176085   | 13.300 | ug/L    | 98       |
| 49) Dibromochloromethane      | 8.547  | 129            | 180527   | 13.168 | ug/L #  | 11       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 9935     | 1.098  | ug/L #  | 69       |

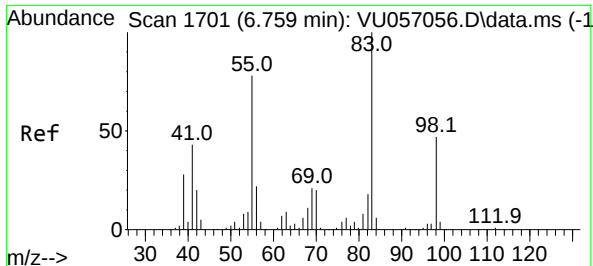
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 20 06:35:40 2023  
Response via : Initial Calibration





#35

Methylcyclohexane

Concen: 0.654 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU057071.D

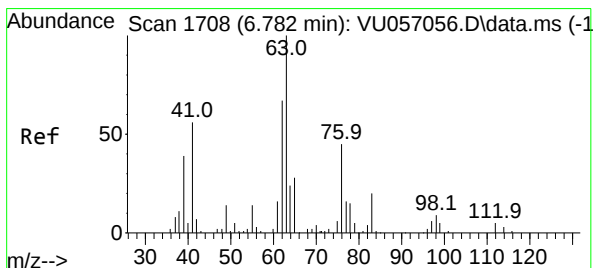
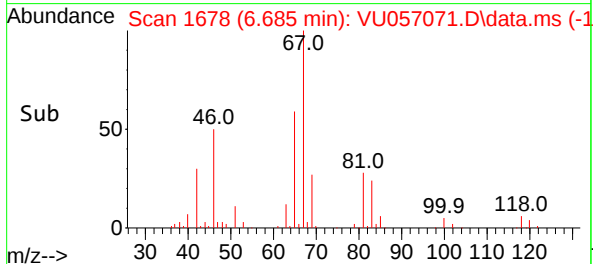
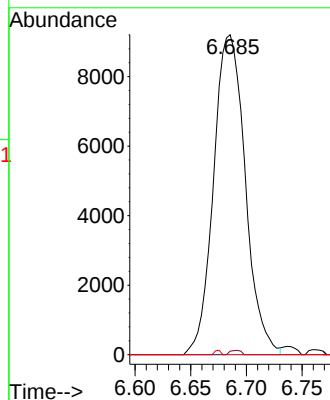
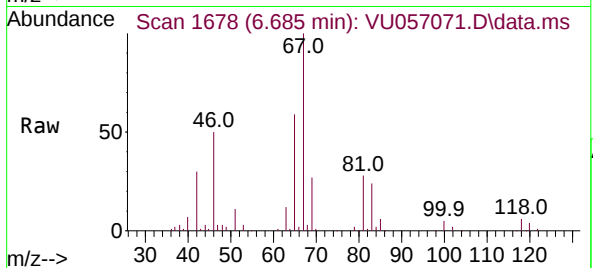
Acq: 20 Dec 2023 02:27

Instrument :

MSVOA\_U

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 18246    |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 0.5 64.6 97.0# |
| 98          | 0.3 36.1 54.1# |



#37

1,2-Dichloropropane

Concen: 0.491 ug/L

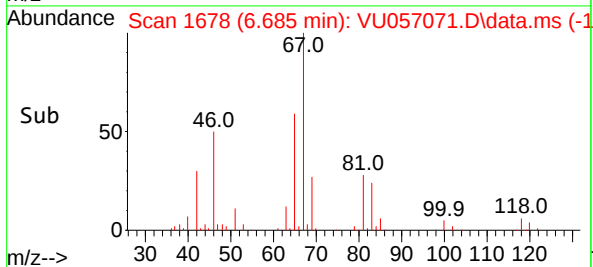
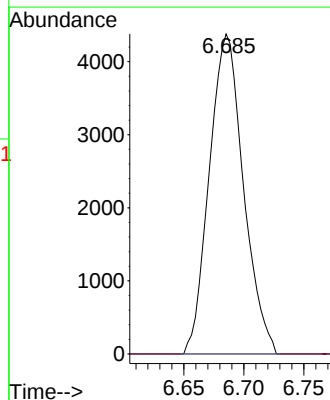
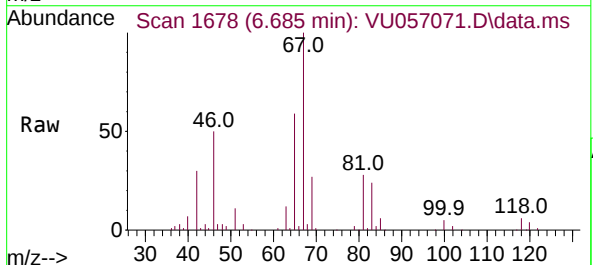
RT: 6.685 min Scan# 1678

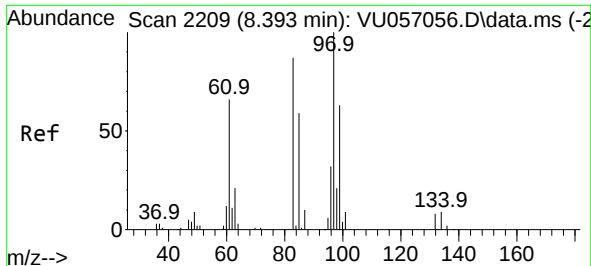
Delta R.T. -0.096 min

Lab File: VU057071.D

Acq: 20 Dec 2023 02:27

|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 8665   |
| Ion Ratio   | Lower Upper  |
| 63          | 100          |
| 112         | 0.0 3.3 4.9# |





#45

1,1,2-Trichloroethane

Concen: 0.142 ug/L

RT: 8.540 min Scan# 21

Delta R.T. 0.148 min

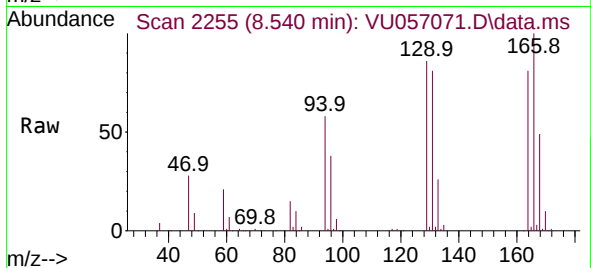
Lab File: VU057071.D

Acq: 20 Dec 2023 02:27

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 97 Resp: 1693

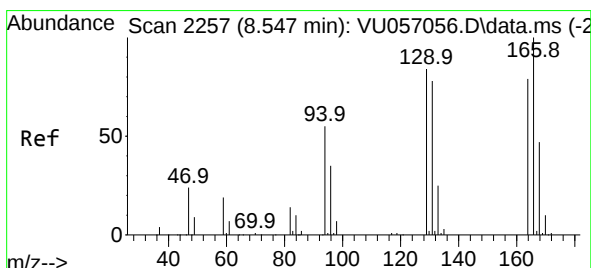
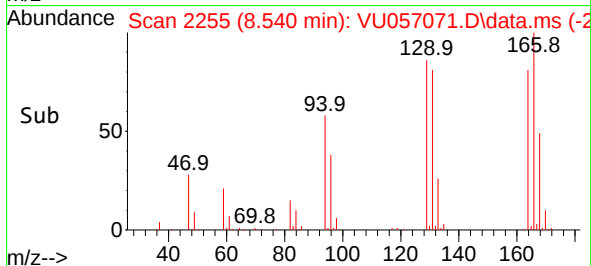
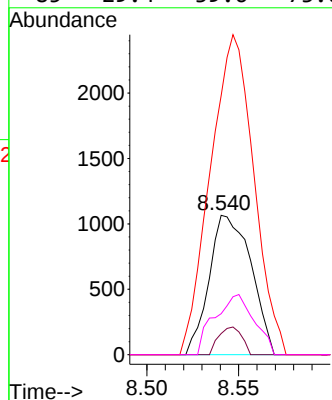
Ion Ratio Lower Upper

97 100

99 15.2 41.9 77.9#

83 185.7 59.1 109.7#

85 29.4 39.6 73.6#



#47

Tetrachloroethene

Concen: 13.300 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057071.D

Acq: 20 Dec 2023 02:27

Tgt Ion:164 Resp: 176085

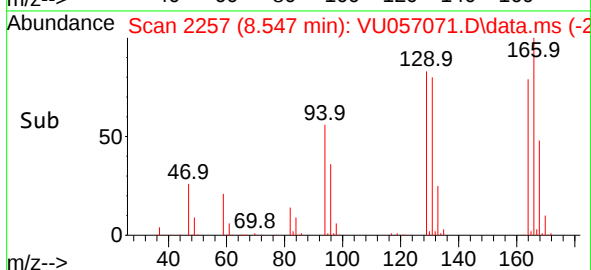
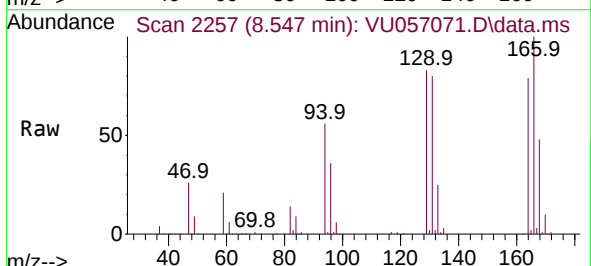
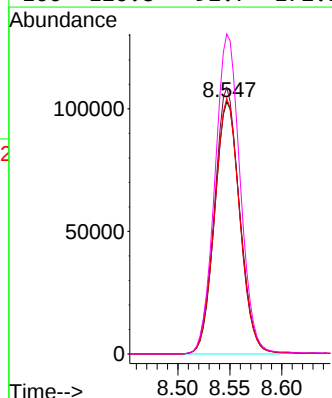
Ion Ratio Lower Upper

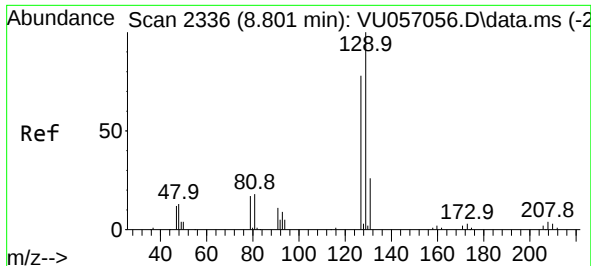
164 100

129 105.5 73.4 136.4

131 101.3 71.5 132.9

166 126.8 92.7 172.1

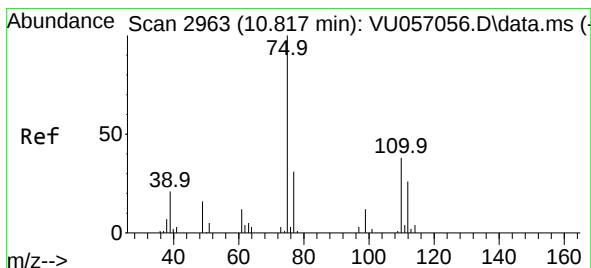
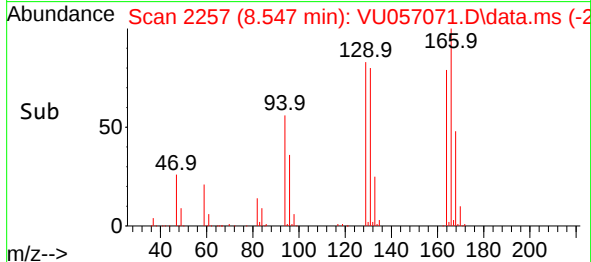
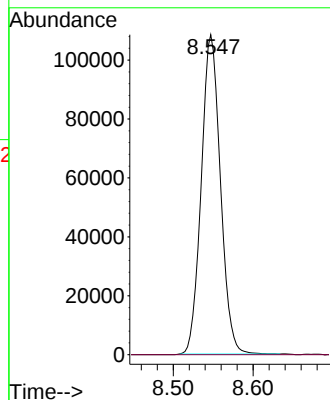
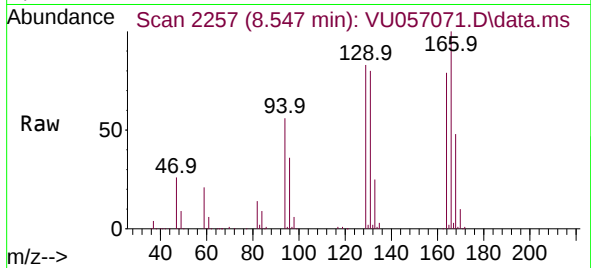




#49  
Dibromochloromethane  
Concen: 13.168 ug/L  
RT: 8.547 min Scan# 21  
Delta R.T. -0.254 min  
Lab File: VU057071.D  
Acq: 20 Dec 2023 02:27

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:129 Resp: 180527  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.9 100.1#



#61  
1,2,3-Trichloropropane  
Concen: 1.098 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.990 min  
Lab File: VU057071.D  
Acq: 20 Dec 2023 02:27

Tgt Ion: 75 Resp: 9935  
Ion Ratio Lower Upper  
75 100  
110 1.5 28.4 42.6#  
77 33.9 26.3 39.5

