

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU050724\  
 Data File : VU058849.D  
 Acq On : 07 May 2024 18:46  
 Operator : MD/SY  
 Sample : P2392-07DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 08 05:12:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed May 08 05:10:37 2024  
 Response via : Initial Calibration

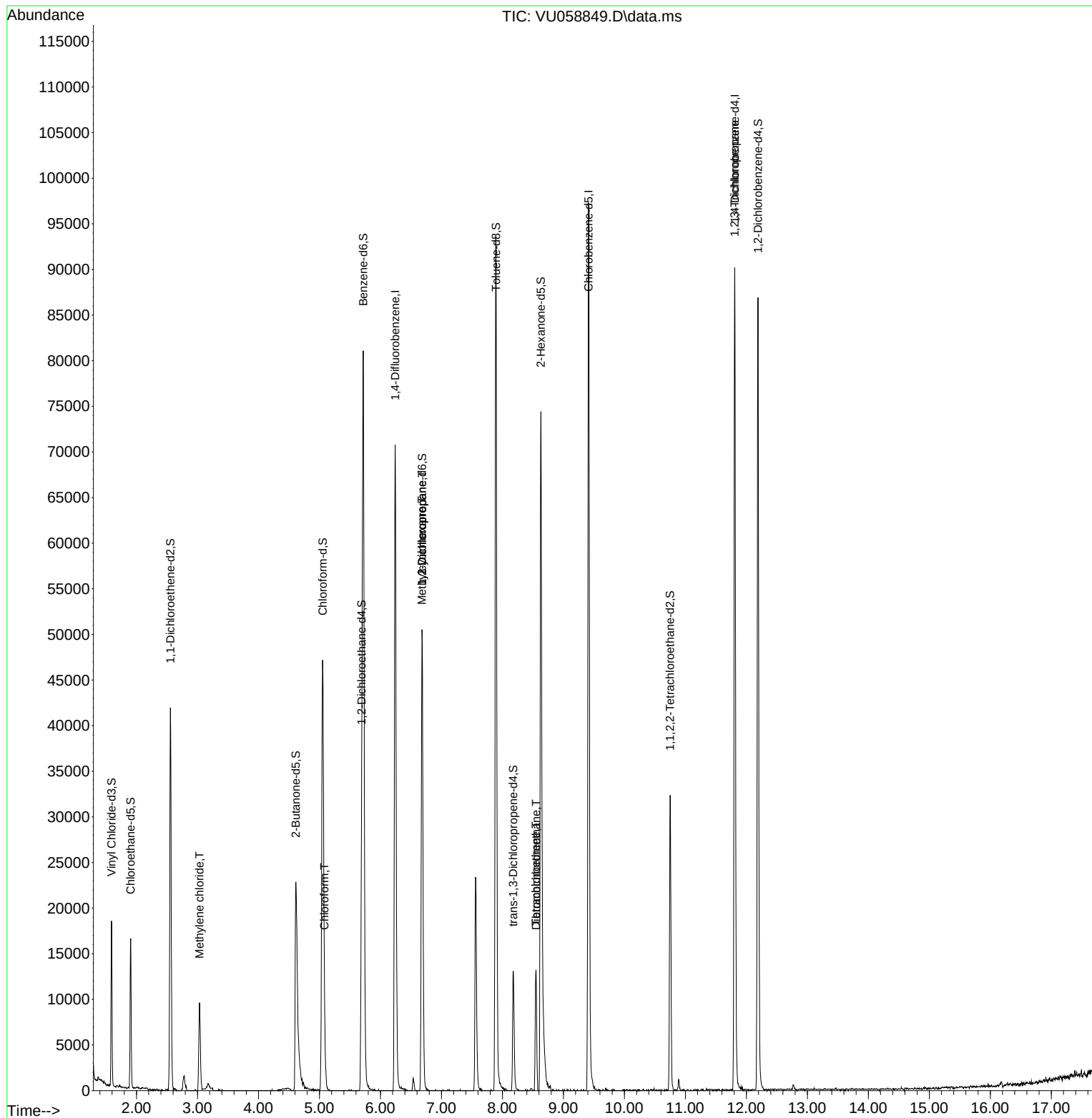
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 56198    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 54758    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152   | 24532    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.589  | 65    | 12490    | 2.825    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 56.600%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 10745    | 3.226    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 64.600%# |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 8098     | 3.639    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 72.800%  |
| 20) 2-Butanone-d5             | 4.611  | 46    | 34763    | 44.760   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 89.520%  |
| 24) Chloroform-d              | 5.052  | 84    | 43564    | 4.821    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 23887    | 5.454    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 109.000% |
| 32) Benzene-d6                | 5.717  | 84    | 72376    | 4.153    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 20912    | 4.023    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 80.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 64605    | 4.141    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 8437     | 4.458    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.200%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 25729    | 45.875   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.740%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 15110    | 4.772    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 23179    | 5.421    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 108.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.033  | 84    | 4657     | 1.057    | ug/L   | 86       |
| 25) Chloroform                | 5.081  | 83    | 4616     | 0.512    | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.679  | 83    | 6088     | 0.777    | ug/L # | 16       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 2957     | 0.598    | ug/L # | 89       |
| 47) Tetrachloroethene         | 8.550  | 164   | 2759     | 0.763    | ug/L   | 94       |
| 49) Dibromochloromethane      | 8.553  | 129   | 2876     | 0.862    | ug/L # | 13       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 2719     | 1.218    | ug/L # | 62       |
| -----                         |        |       |          |          |        |          |

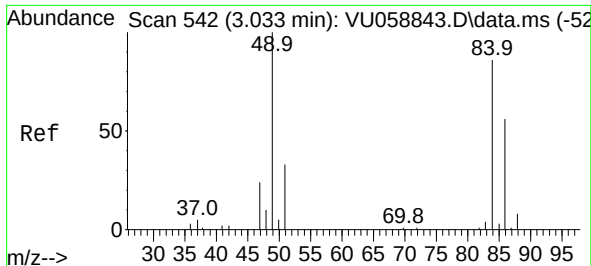
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2392-07DL 4X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

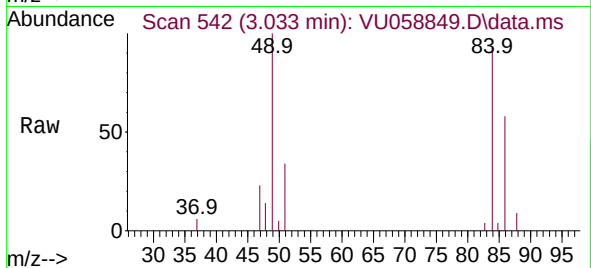
Quant Time: May 08 05:12:26 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed May 08 05:10:37 2024  
Response via : Initial Calibration



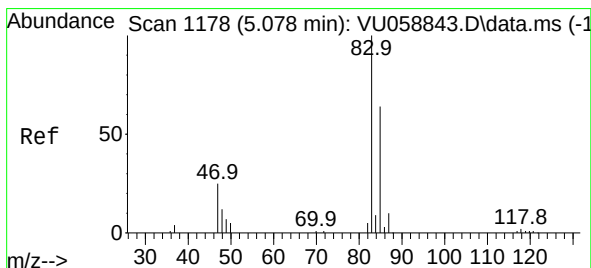
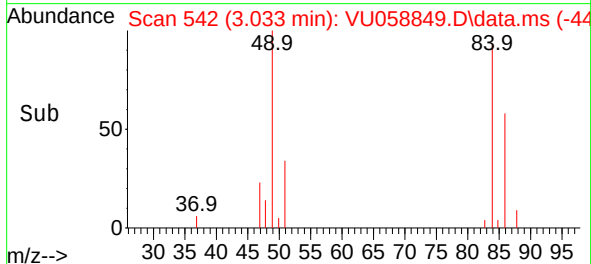
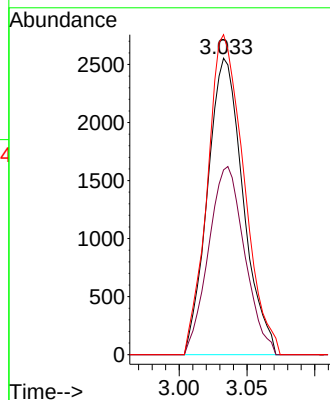


#16  
Methylene chloride  
Concen: 1.057 ug/L  
RT: 3.033 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VU058849.D  
Acq: 07 May 2024 18:46

Instrument :  
MSVOA\_U  
ClientSampleId :

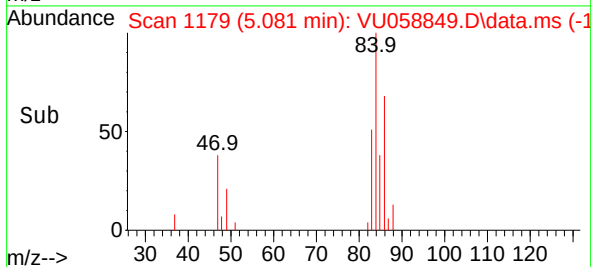
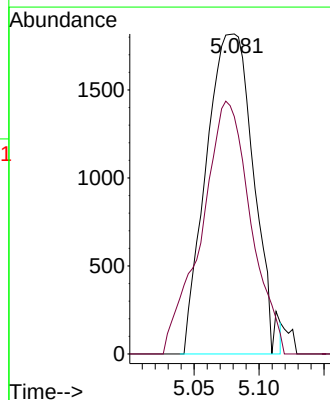
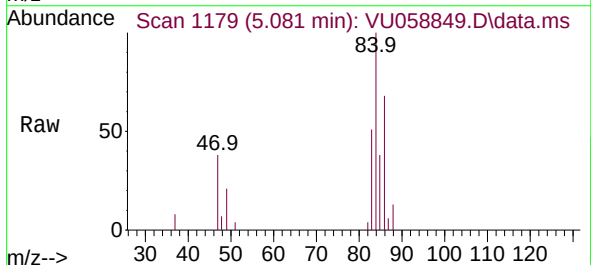


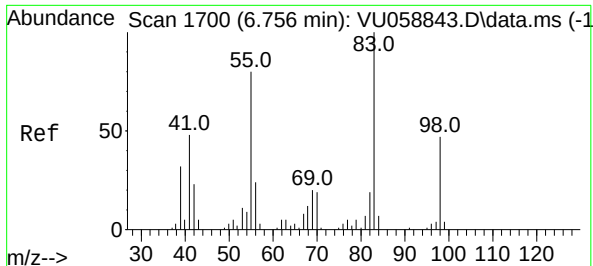
Tgt Ion: 84 Resp: 4657  
Ion Ratio Lower Upper  
84 100  
86 62.3 45.0 83.6  
49 107.9 91.6 170.2



#25  
Chloroform  
Concen: 0.512 ug/L  
RT: 5.081 min Scan# 1179  
Delta R.T. 0.003 min  
Lab File: VU058849.D  
Acq: 07 May 2024 18:46

Tgt Ion: 83 Resp: 4616  
Ion Ratio Lower Upper  
83 100  
85 74.2 47.0 87.4





#35

Methylcyclohexane

Concen: 0.777 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.077 min

Lab File: VU058849.D

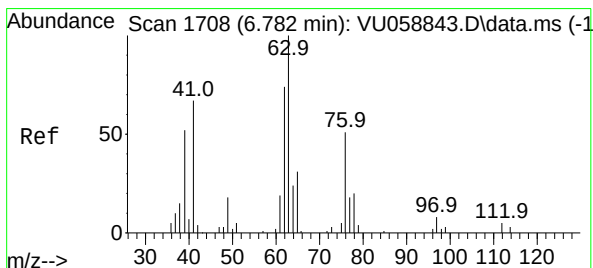
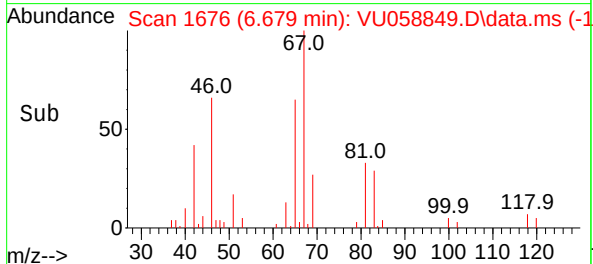
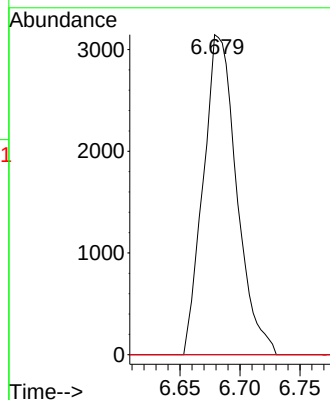
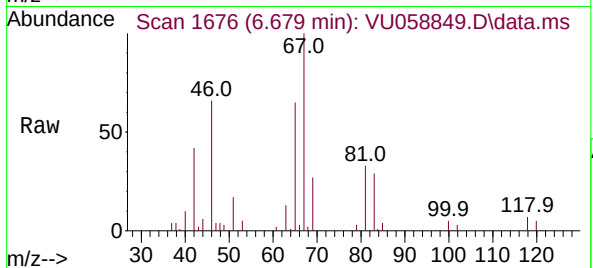
Acq: 07 May 2024 18:46

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 6088   |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 0.0   | 66.6  | 100.0# |
| 98        | 0.0   | 35.4  | 53.2#  |



#37

1,2-Dichloropropane

Concen: 0.598 ug/L

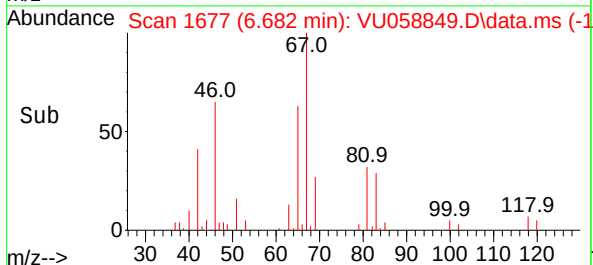
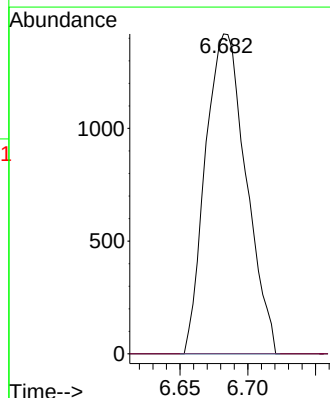
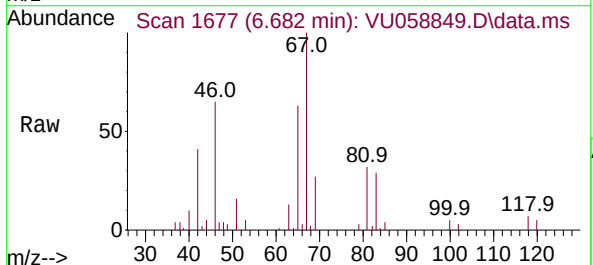
RT: 6.682 min Scan# 1677

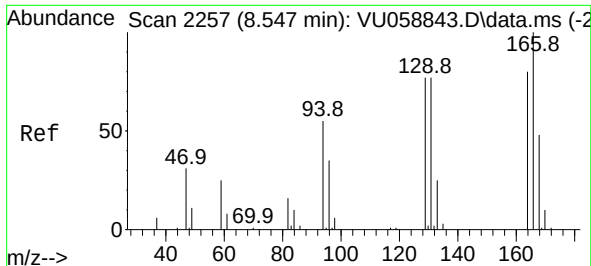
Delta R.T. -0.100 min

Lab File: VU058849.D

Acq: 07 May 2024 18:46

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 2957 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 112       | 0.0   | 2.8   | 4.2# |





#47

Tetrachloroethene

Concen: 0.763 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058849.D

Acq: 07 May 2024 18:46

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion:164 Resp: 2759

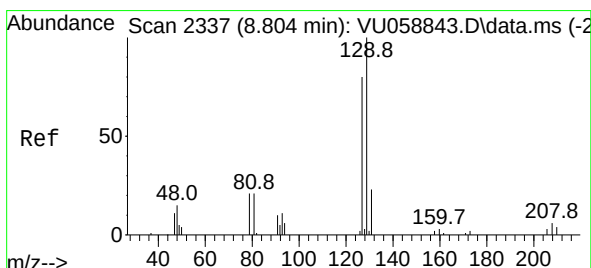
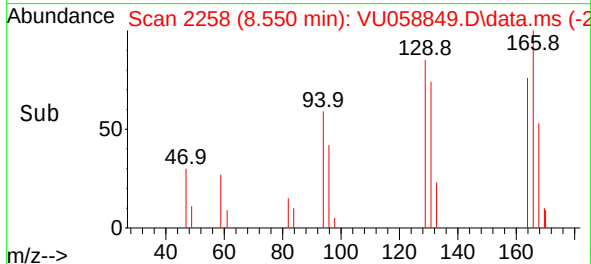
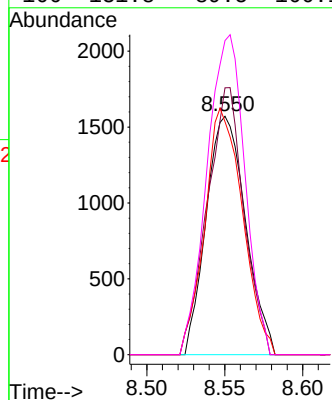
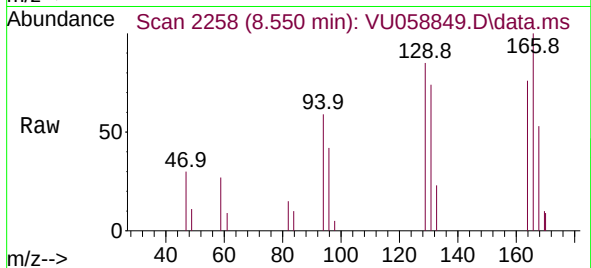
Ion Ratio Lower Upper

164 100

129 112.0 71.5 132.9

131 97.7 65.0 120.6

166 131.8 89.5 166.1



#49

Dibromochloromethane

Concen: 0.862 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. -0.251 min

Lab File: VU058849.D

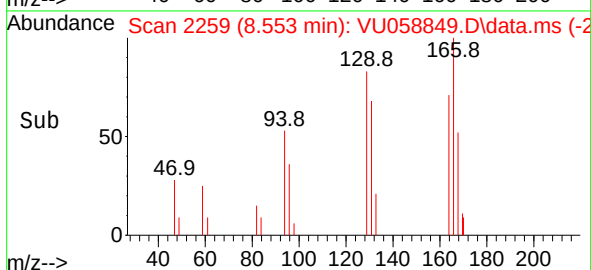
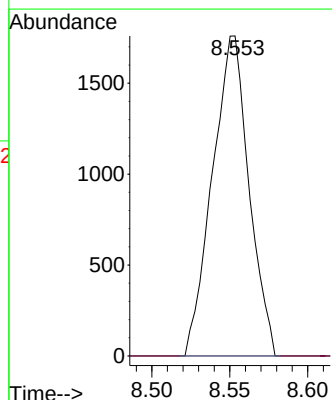
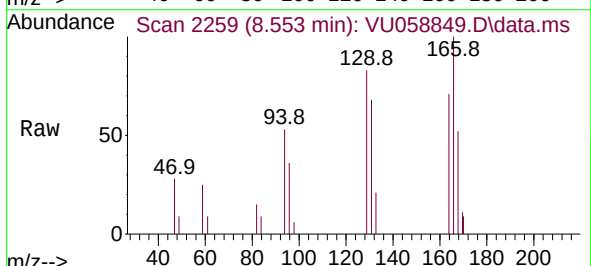
Acq: 07 May 2024 18:46

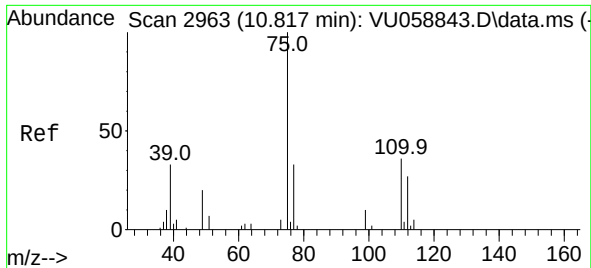
Tgt Ion:129 Resp: 2876

Ion Ratio Lower Upper

129 100

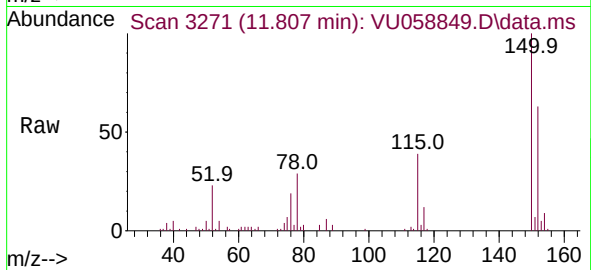
127 0.0 51.0 94.8#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.218 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU058849.D  
 Acq: 07 May 2024 18:46

Instrument :  
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Tgt Ion: 75 Resp: 2719  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 28.6 43.0#  
 77 38.8 25.4 38.2#

