

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041024\  
 Data File : VU058585.D  
 Acq On : 11 Apr 2024 03:24  
 Operator : MD/SY  
 Sample : VIBLK  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 11 04:52:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 11 02:34:51 2024  
 Response via : Initial Calibration

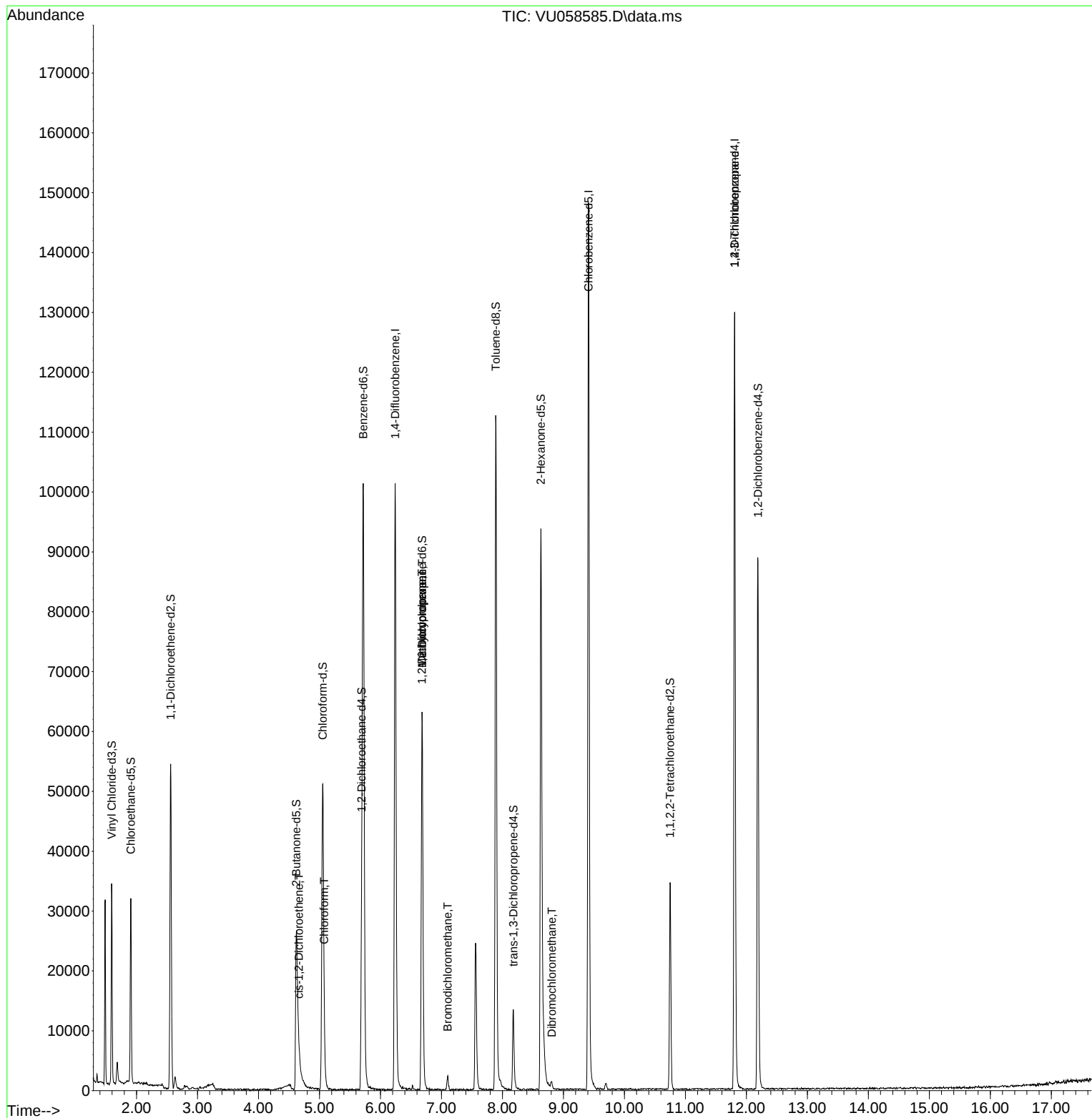
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 79691    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 77575    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 33296    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 22691    | 4.301    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 86.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 21100    | 4.602    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 10818    | 4.530    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.600%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 46934    | 42.212   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 84.420%  |
| 24) Chloroform-d              | 5.052  | 84    | 47419    | 4.502    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 23402    | 4.761    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.200%  |
| 32) Benzene-d6                | 5.717  | 84    | 93126    | 4.459    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 29721    | 4.538    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.800%  |
| 41) Toluene-d8                | 7.891  | 98    | 76204    | 4.114    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.200%  |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 7999     | 3.934    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.600%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 32138    | 38.325   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 76.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 17705    | 3.829    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 76.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 23704    | 4.227    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 84.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 818      | 0.123    | ug/L   | 81       |
| 25) Chloroform                | 5.078  | 83    | 2769     | 0.221    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.682  | 83    | 6435     | 0.603    | ug/L # | 16       |
| 37) 1,2-Dichloropropane       | 6.679  | 63    | 3295     | 0.445    | ug/L # | 90       |
| 38) Bromodichloromethane      | 7.103  | 83    | 1802     | 0.213    | ug/L # | 89       |
| 49) Dibromochloromethane      | 8.807  | 129   | 687      | 0.138    | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 4827     | 1.421    | ug/L # | 71       |

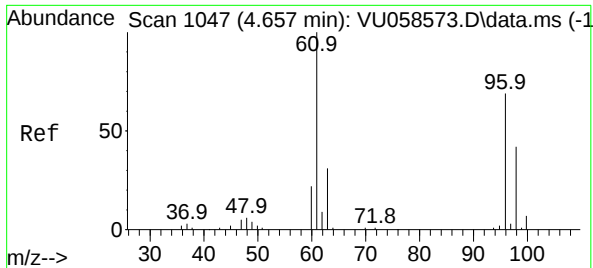
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
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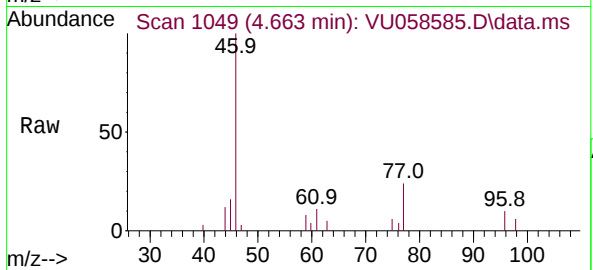
Quant Time: Apr 11 04:52:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
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QLast Update : Thu Apr 11 02:34:51 2024  
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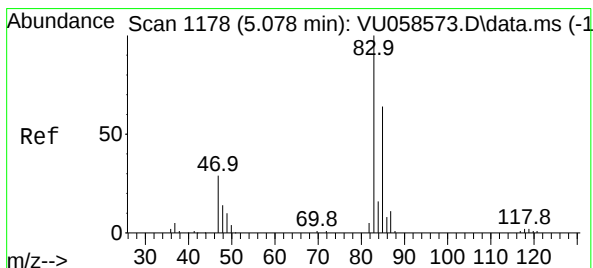
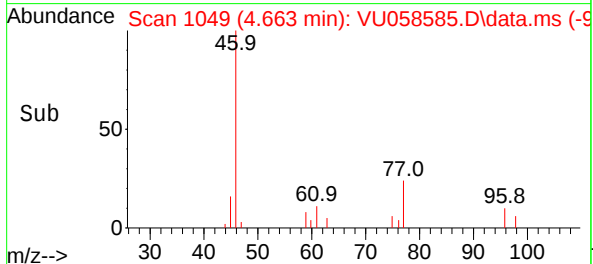
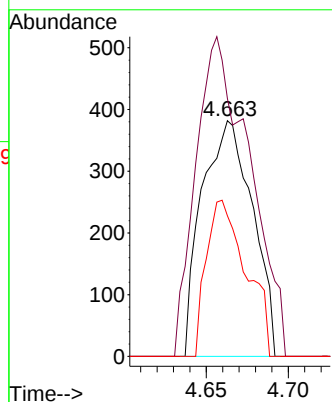


#22  
 cis-1,2-Dichloroethene  
 Concen: 0.123 ug/L  
 RT: 4.663 min Scan# 1104  
 Delta R.T. 0.006 min  
 Lab File: VU058585.D  
 Acq: 11 Apr 2024 03:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :

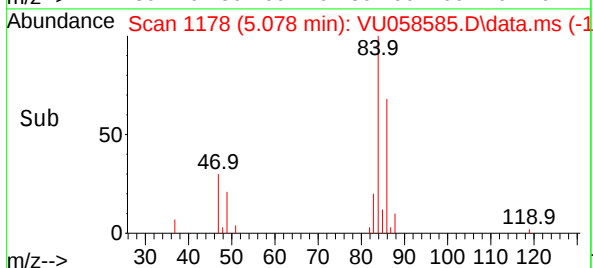
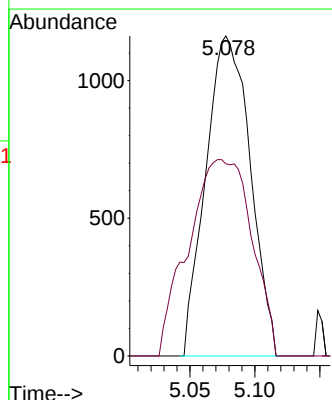
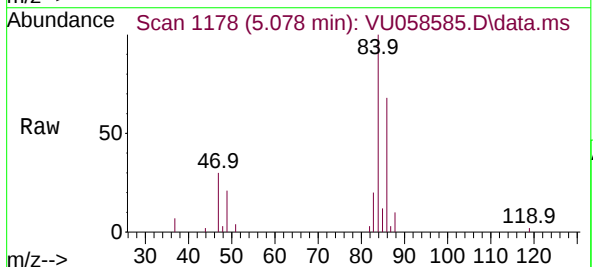


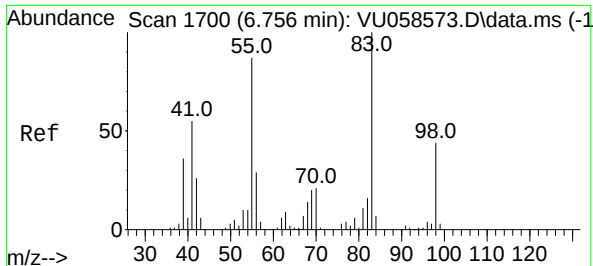
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 818   |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 109.4    | 98.1 182.3  |
| 98 59.7     | 43.6 81.0   |



#25  
 Chloroform  
 Concen: 0.221 ug/L  
 RT: 5.078 min Scan# 1178  
 Delta R.T. -0.000 min  
 Lab File: VU058585.D  
 Acq: 11 Apr 2024 03:24

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 83 | Resp: 2769 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 83 100      |            |       |  |
| 85 60.1     | 44.7       | 83.1  |  |





#35

Methylcyclohexane

Concen: 0.603 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU058585.D

Acq: 11 Apr 2024 03:24

Instrument :

MSVOA\_U

ClientSampleId :

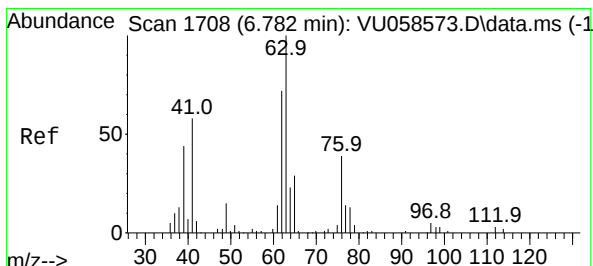
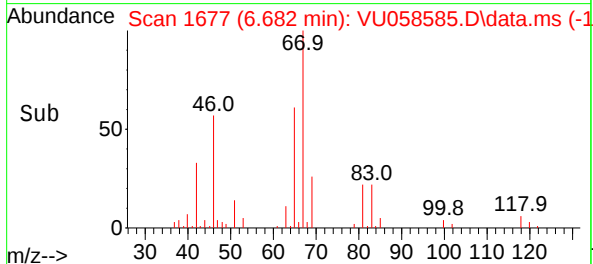
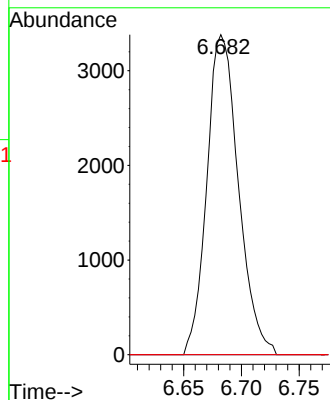
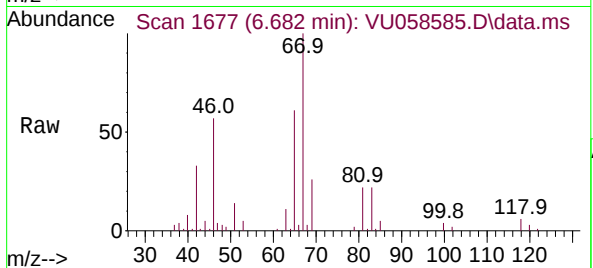
Tgt Ion: 83 Resp: 6435

Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.0 34.6 52.0#



#37

1,2-Dichloropropane

Concen: 0.445 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.103 min

Lab File: VU058585.D

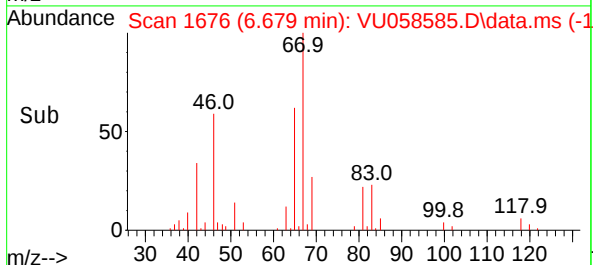
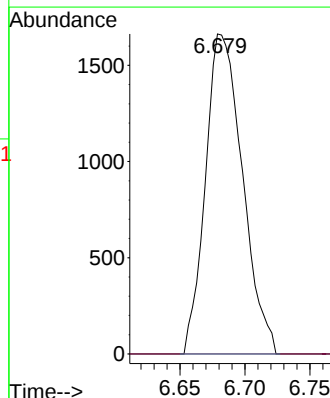
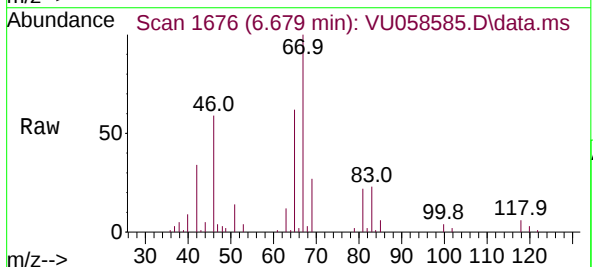
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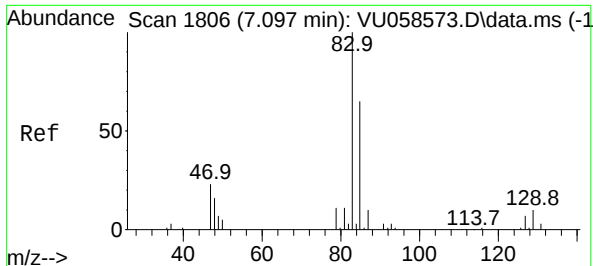
Tgt Ion: 63 Resp: 3295

Ion Ratio Lower Upper

63 100

112 0.0 2.6 4.0#





#38

Bromodichloromethane

Concen: 0.213 ug/L

RT: 7.103 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU058585.D

Acq: 11 Apr 2024 03:24

Instrument :

MSVOA\_U

ClientSampleId :

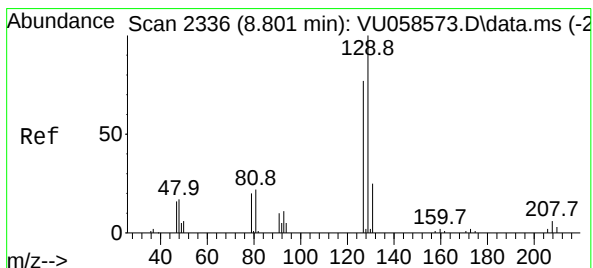
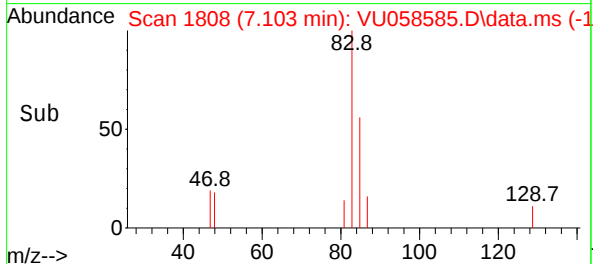
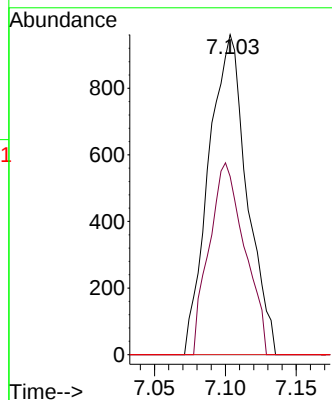
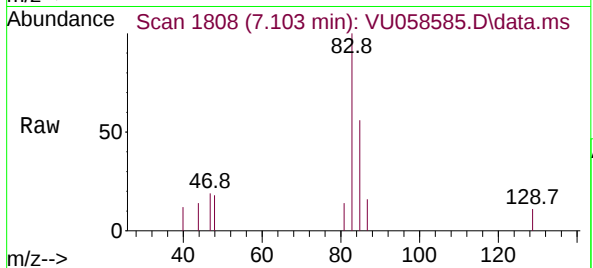
Tgt Ion: 83 Resp: 1802

Ion Ratio Lower Upper

83 100

85 55.7 44.2 82.2

127 0.0 6.5 9.7#



#49

Dibromochloromethane

Concen: 0.138 ug/L

RT: 8.807 min Scan# 2338

Delta R.T. 0.006 min

Lab File: VU058585.D

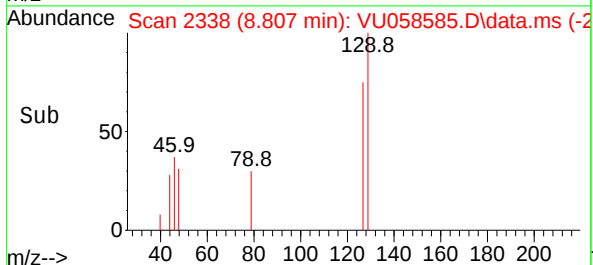
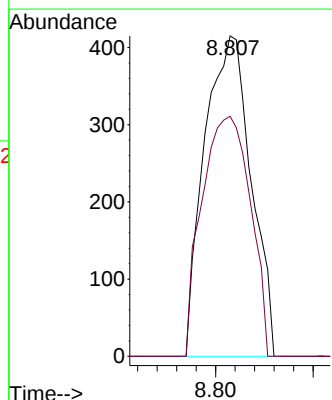
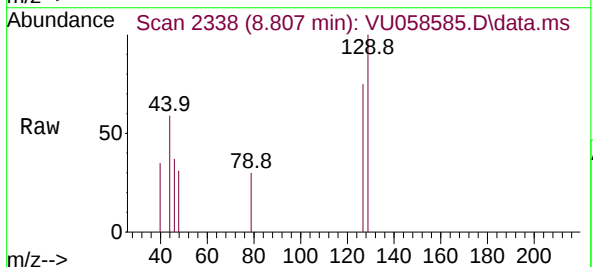
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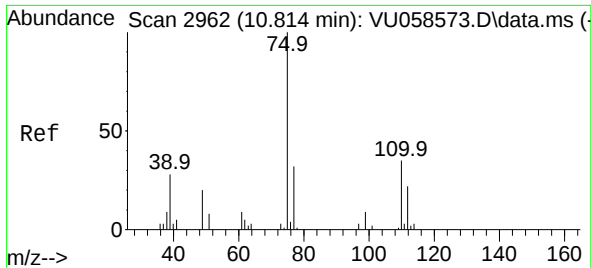
Tgt Ion: 129 Resp: 687

Ion Ratio Lower Upper

129 100

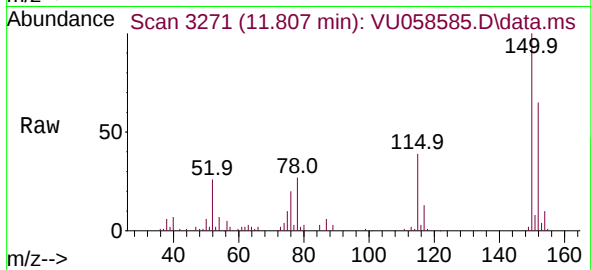
127 74.9 53.5 99.5





#61  
 1,2,3-Trichloropropane  
 Concen: 1.421 ug/L  
 RT: 11.807 min Scan# 31  
 Delta R.T. 0.993 min  
 Lab File: VU058585.D  
 Acq: 11 Apr 2024 03:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 4827  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 25.8 38.6#  
 77 31.6 25.1 37.7

