

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090523\  
 Data File : VU055106.D  
 Acq On : 05 Sep 2023 20:03  
 Operator : MD/SY  
 Sample : 04230-12DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4A8DL

Quant Time: Sep 06 02:20:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 06 02:14:32 2023  
 Response via : Initial Calibration

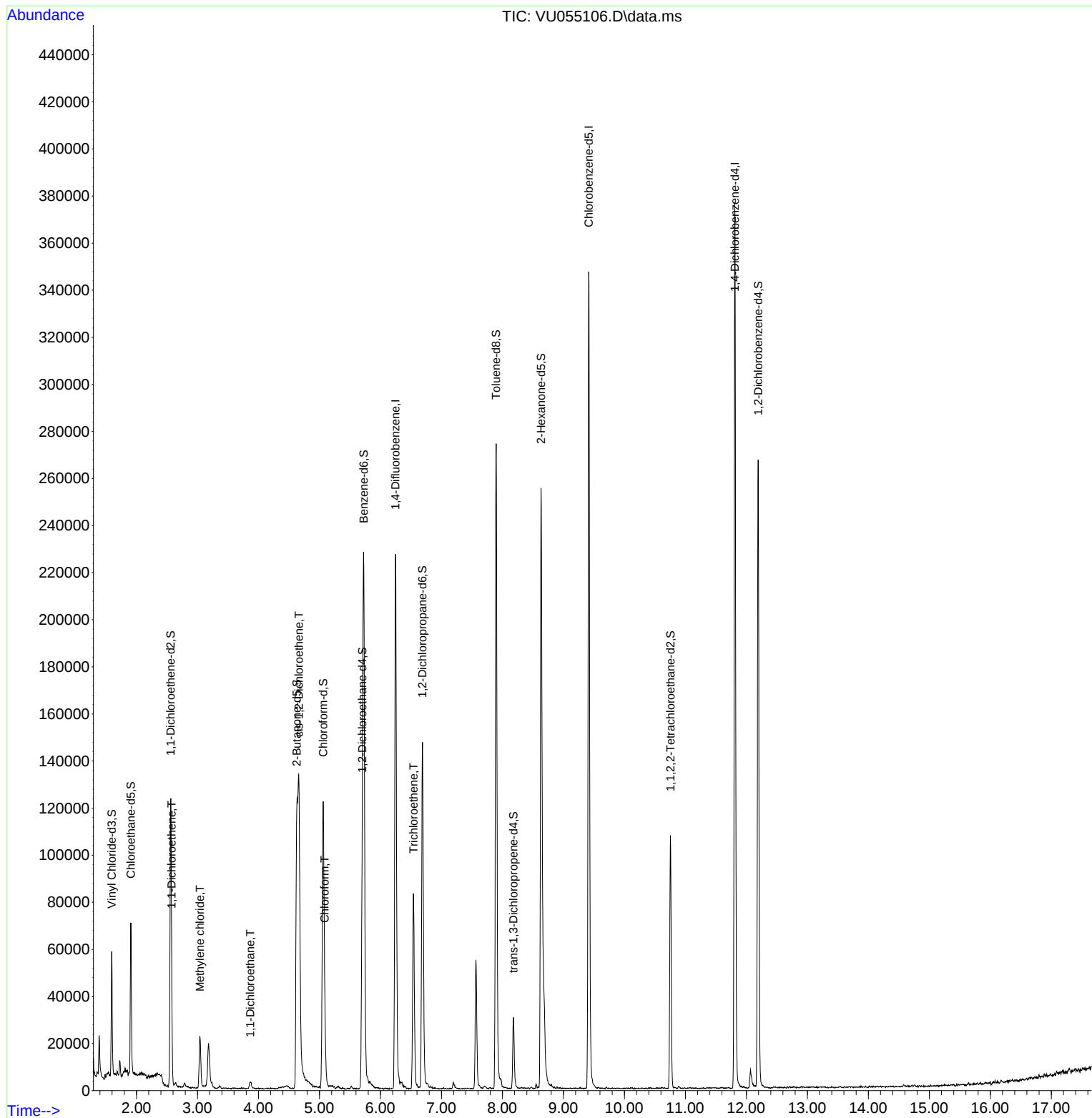
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 180904   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 188711   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152   | 95783    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 36192    | 4.269    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 85.400%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 44771    | 4.562    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 91.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 22378    | 4.632    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 92.600%  |
| 20) 2-Butanone-d5             | 4.627  | 46    | 133857   | 54.404   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 108.800% |
| 24) Chloroform-d              | 5.062  | 84    | 106792   | 4.747    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 95.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.701  | 65    | 56627    | 5.031    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 100.600% |
| 32) Benzene-d6                | 5.727  | 84    | 210131   | 4.511    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 90.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 69829    | 4.713    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 94.200%  |
| 41) Toluene-d8                | 7.897  | 98    | 184225   | 4.293    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 85.800%  |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 17514    | 4.293    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 85.800%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 82411    | 49.752   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 99.500%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84    | 52350    | 5.024    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 100.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 67597    | 4.835    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 96.600%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 5744     | 0.687    | ug/L  | # 1      |
| 16) Methylene chloride        | 3.039  | 84    | 10254    | 0.802    | ug/L  | 94       |
| 19) 1,1-Dichloroethane        | 3.865  | 63    | 4106     | 0.224    | ug/L  | 91       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 49154    | 4.732    | ug/L  | 95       |
| 25) Chloroform                | 5.084  | 83    | 14741    | 0.772    | ug/L  | 88       |
| 34) Trichloroethene           | 6.544  | 95    | 27198    | 2.437    | ug/L  | 98       |
| -----                         |        |       |          |          |       |          |

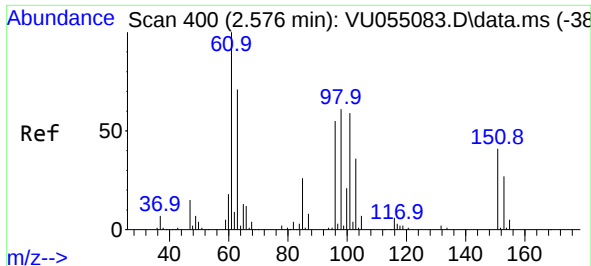
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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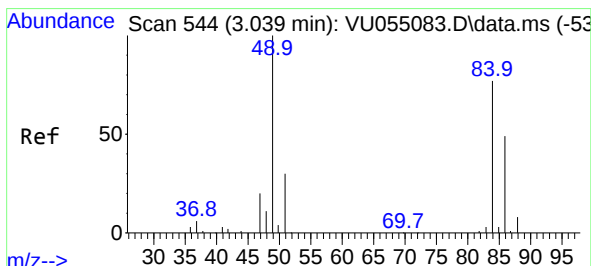
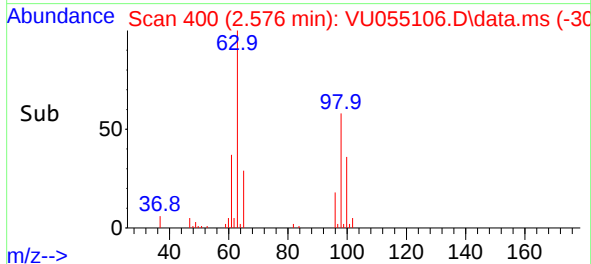
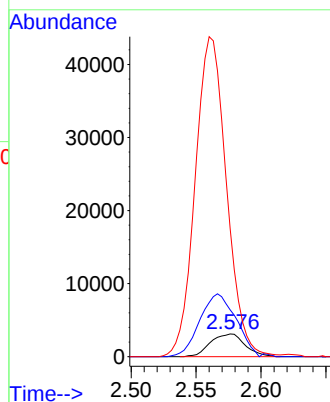
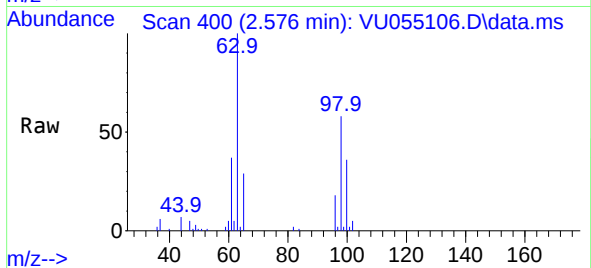




#12  
1,1-Dichloroethene  
Concen: 0.687 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VU055106.D  
Acq: 05 Sep 2023 20:03

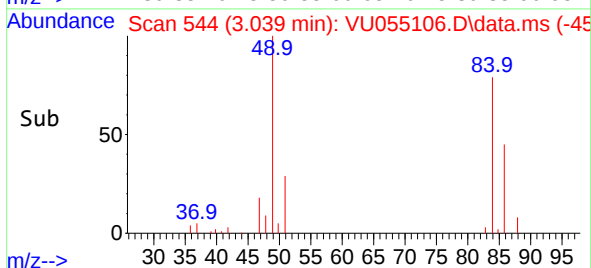
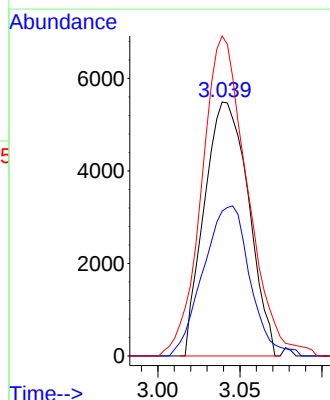
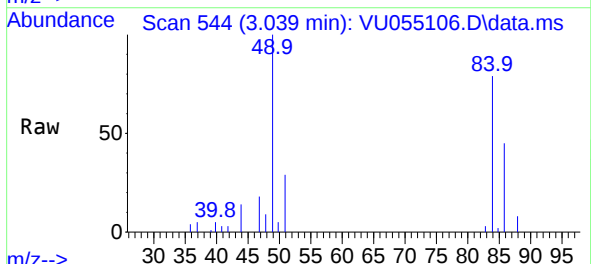
Instrument :  
MSVOA\_U  
ClientSampleId :  
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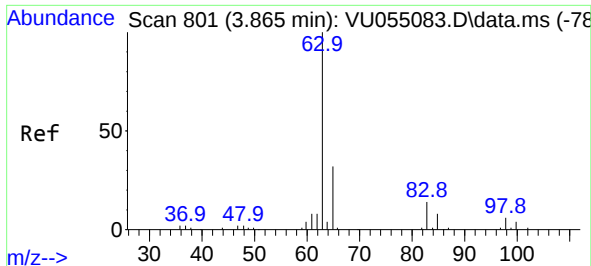
Tgt Ion: 96 Resp: 5744  
Ion Ratio Lower Upper  
96 100  
61 206.1 120.8 224.4  
63 564.0 94.5 175.5#



#16  
Methylene chloride  
Concen: 0.802 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.000 min  
Lab File: VU055106.D  
Acq: 05 Sep 2023 20:03

Tgt Ion: 84 Resp: 10254  
Ion Ratio Lower Upper  
84 100  
86 57.0 43.4 80.6  
49 132.1 87.7 162.9

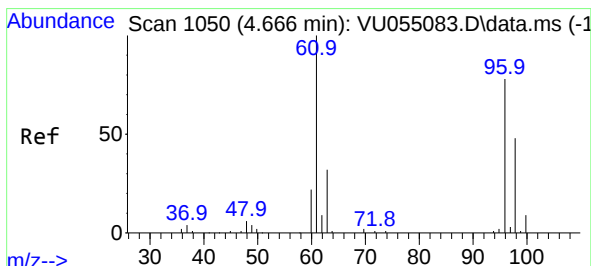
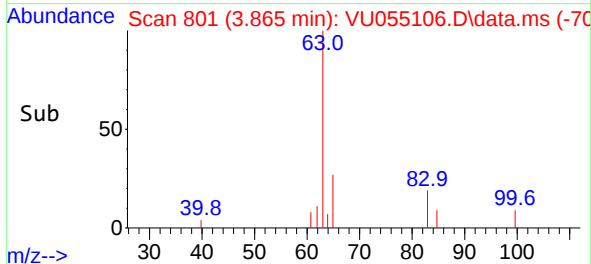
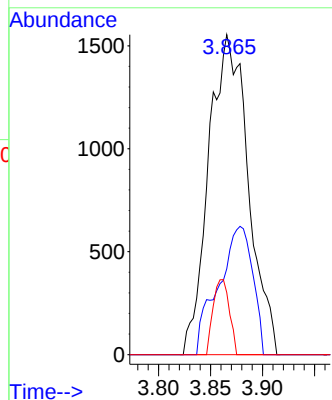
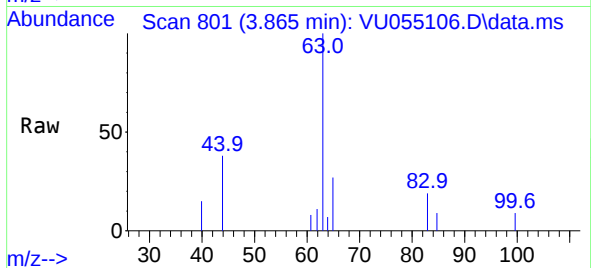




#19  
1,1-Dichloroethane  
Concen: 0.224 ug/L  
RT: 3.865 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: VU055106.D  
Acq: 05 Sep 2023 20:03

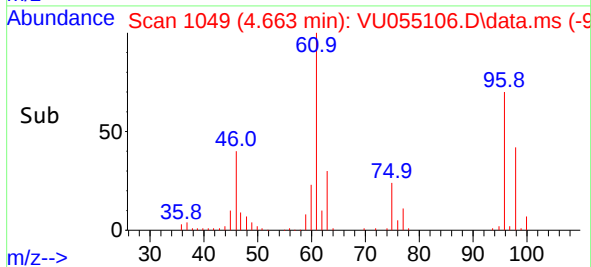
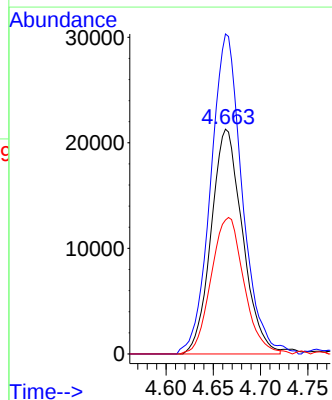
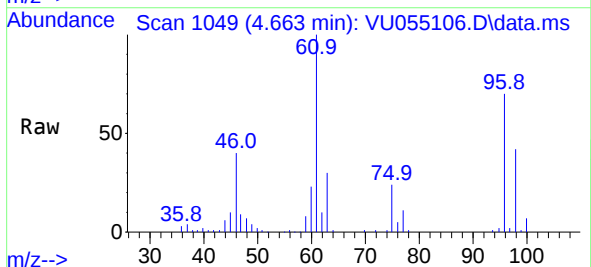
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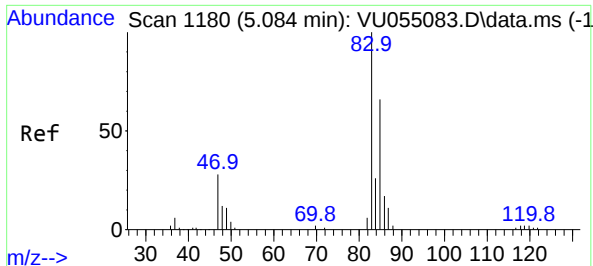
Tgt Ion: 63 Resp: 4106  
Ion Ratio Lower Upper  
63 100  
65 26.8 22.2 41.2  
83 19.4 10.6 19.8



#22  
cis-1,2-Dichloroethene  
Concen: 4.732 ug/L  
RT: 4.663 min Scan# 1049  
Delta R.T. -0.003 min  
Lab File: VU055106.D  
Acq: 05 Sep 2023 20:03

Tgt Ion: 96 Resp: 49154  
Ion Ratio Lower Upper  
96 100  
61 142.3 97.2 180.4  
98 59.6 46.1 85.7

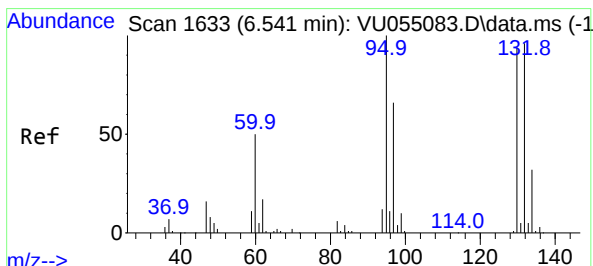
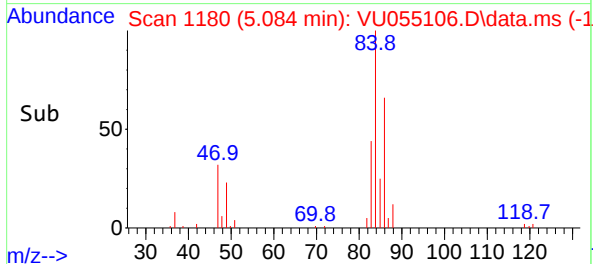
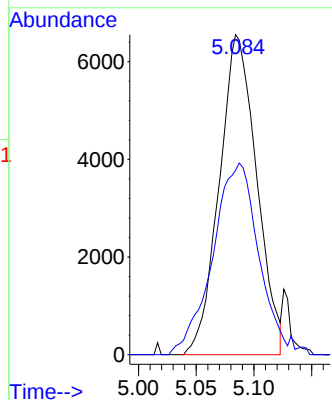
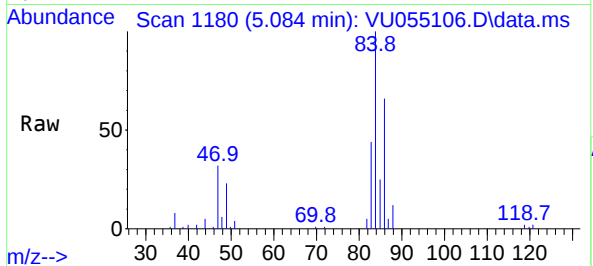




#25  
Chloroform  
Concen: 0.772 ug/L  
RT: 5.084 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VU055106.D  
Acq: 05 Sep 2023 20:03

Instrument :  
MSVOA\_U  
ClientSampleId :  
BH4A8DL

Tgt Ion: 83 Resp: 14741  
Ion Ratio Lower Upper  
83 100  
85 57.6 47.2 87.6



#34  
Trichloroethene  
Concen: 2.437 ug/L  
RT: 6.544 min Scan# 1634  
Delta R.T. 0.003 min  
Lab File: VU055106.D  
Acq: 05 Sep 2023 20:03

Tgt Ion: 95 Resp: 27198  
Ion Ratio Lower Upper  
95 100  
97 63.8 44.7 83.1  
132 90.4 66.6 123.6  
130 96.6 66.5 123.5

