

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090723\  
 Data File : VU055181.D  
 Acq On : 07 Sep 2023 12:13  
 Operator : MD/SY  
 Sample : 04230-18DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4B5DL

Quant Time: Sep 08 05:06:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 08 05:04:57 2023  
 Response via : Initial Calibration

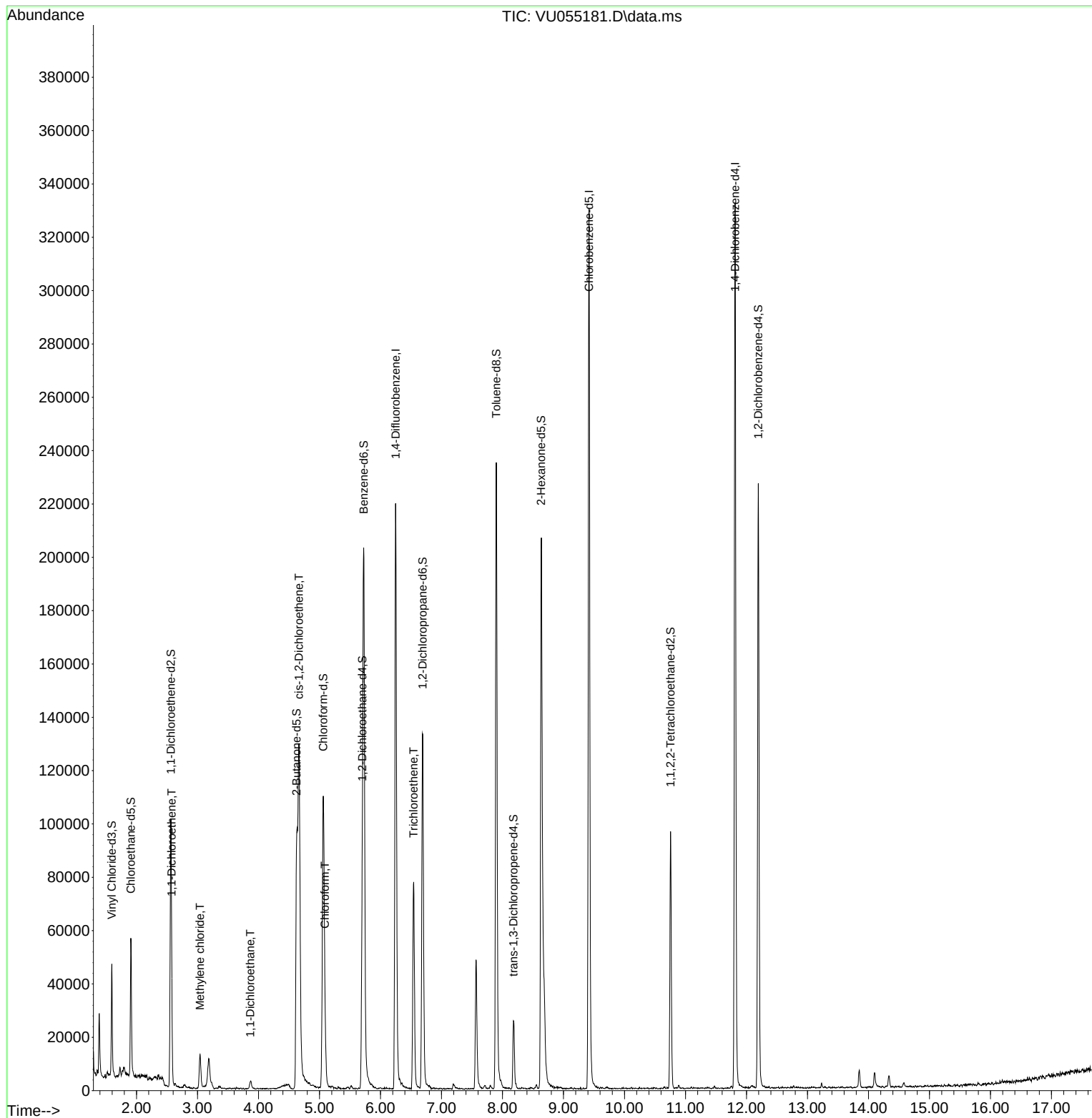
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 172932   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.418  | 117   | 177424   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.814 | 152   | 83218    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 27783    | 3.428    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.600%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 36063    | 3.844    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 76.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 17832    | 3.861    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 77.200%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 116530   | 49.545   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.080%  |
| 24) Chloroform-d              | 5.062  | 84    | 97877    | 4.551    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.701  | 65    | 51027    | 4.742    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.800%  |
| 32) Benzene-d6                | 5.727  | 84    | 185402   | 4.233    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 62686    | 4.500    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.000%  |
| 41) Toluene-d8                | 7.898  | 98    | 158551   | 3.930    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 78.600%  |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 15162    | 3.953    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 79.000%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 63747    | 40.933   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 81.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84    | 45762    | 4.671    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 56201    | 4.627    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 5368     | 0.671    | ug/L # | 1        |
| 16) Methylene chloride        | 3.039  | 84    | 5727     | 0.469    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.865  | 63    | 3699     | 0.211    | ug/L # | 85       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 57218    | 5.763    | ug/L   | 93       |
| 25) Chloroform                | 5.087  | 83    | 16938    | 0.928    | ug/L   | 98       |
| 34) Trichloroethene           | 6.544  | 95    | 26539    | 2.529    | ug/L   | 95       |
| -----                         |        |       |          |          |        |          |

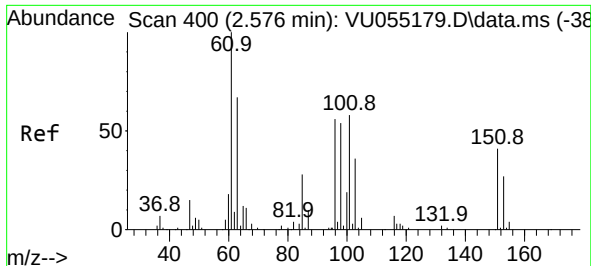
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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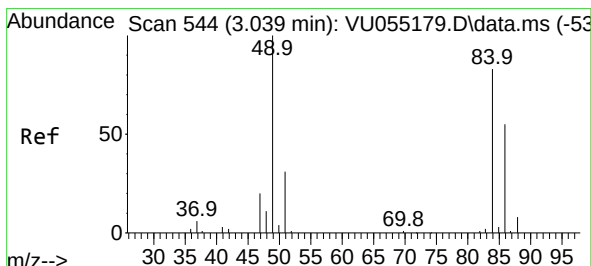
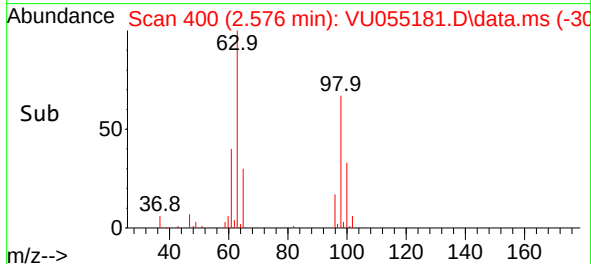
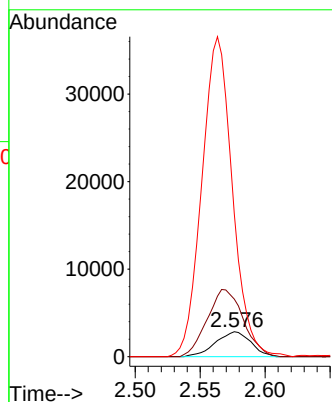
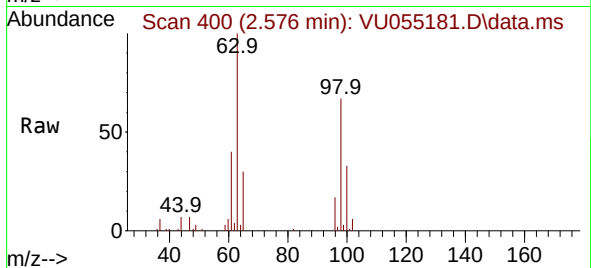




#12  
1,1-Dichloroethene  
Concen: 0.671 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VU055181.D  
Acq: 07 Sep 2023 12:13

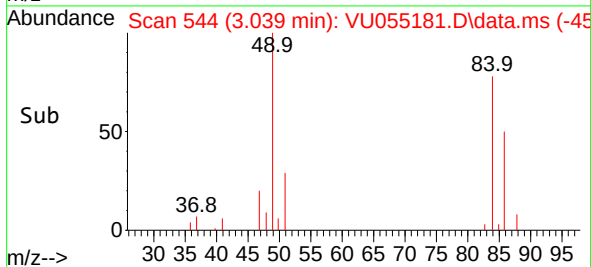
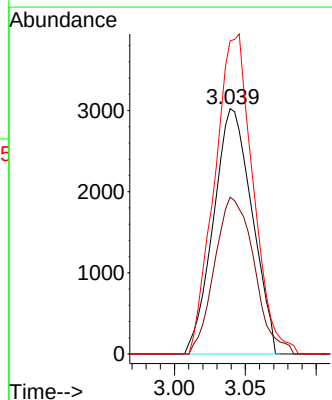
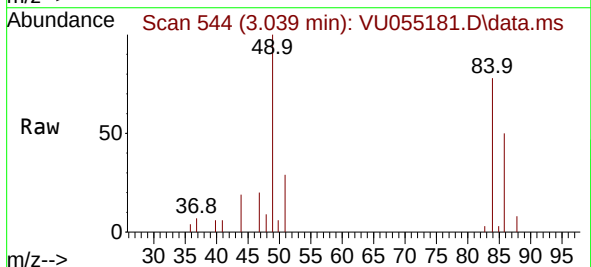
Instrument :  
MSVOA\_U  
ClientSampleId :  
BH4B5DL

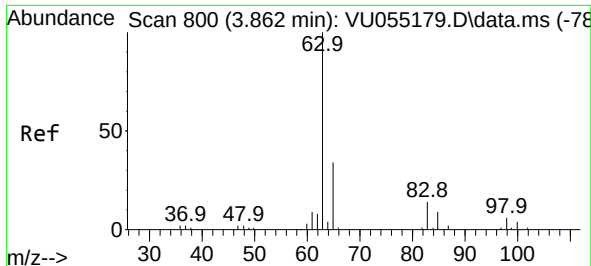
Tgt Ion: 96 Resp: 5368  
Ion Ratio Lower Upper  
96 100  
61 230.1 120.8 224.4#  
63 571.9 94.5 175.5#



#16  
Methylene chloride  
Concen: 0.469 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VU055181.D  
Acq: 07 Sep 2023 12:13

Tgt Ion: 84 Resp: 5727  
Ion Ratio Lower Upper  
84 100  
86 63.9 43.4 80.6  
49 135.8 87.7 162.9





#19

1,1-Dichloroethane

Concen: 0.211 ug/L

RT: 3.865 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU055181.D

Acq: 07 Sep 2023 12:13

Instrument :

MSVOA\_U

ClientSampleId :

BH4B5DL

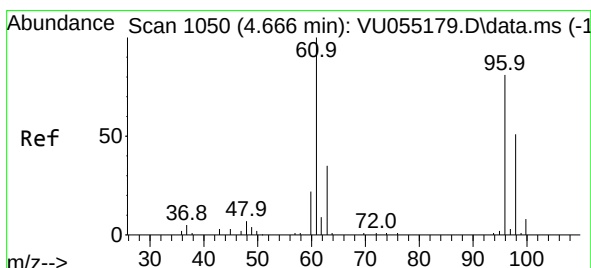
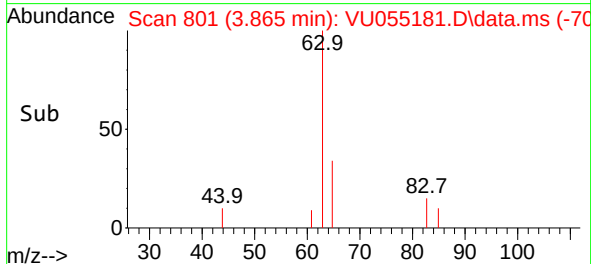
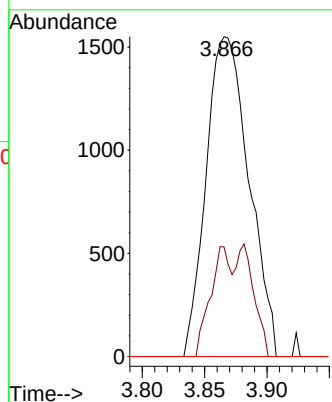
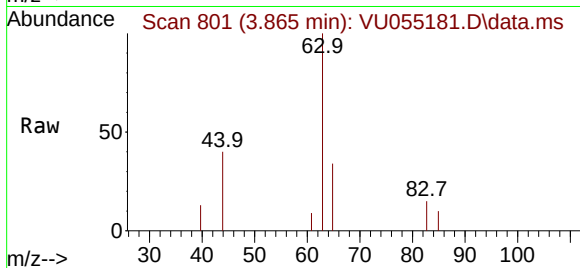
Tgt Ion: 63 Resp: 3699

Ion Ratio Lower Upper

63 100

65 34.3 22.2 41.2

83 0.0 10.6 19.8#



#22

cis-1,2-Dichloroethene

Concen: 5.763 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU055181.D

Acq: 07 Sep 2023 12:13

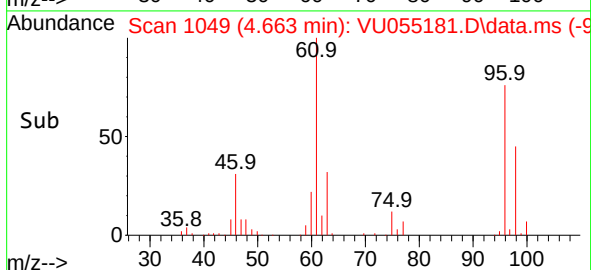
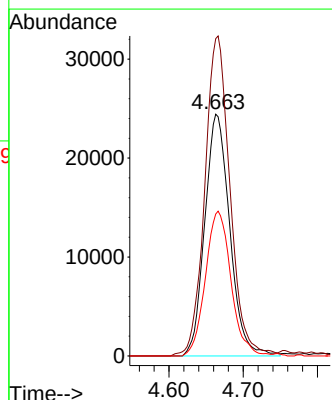
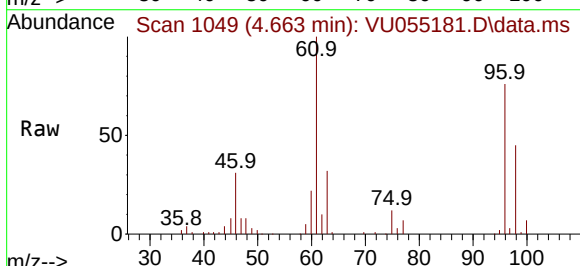
Tgt Ion: 96 Resp: 57218

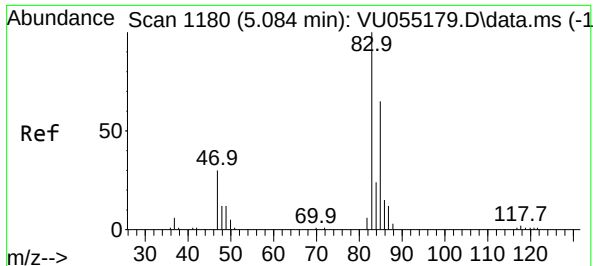
Ion Ratio Lower Upper

96 100

61 131.2 97.2 180.4

98 58.7 46.1 85.7





#25

Chloroform

Concen: 0.928 ug/L

RT: 5.087 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU055181.D

Acq: 07 Sep 2023 12:13

Instrument :

MSVOA\_U

ClientSampleId :

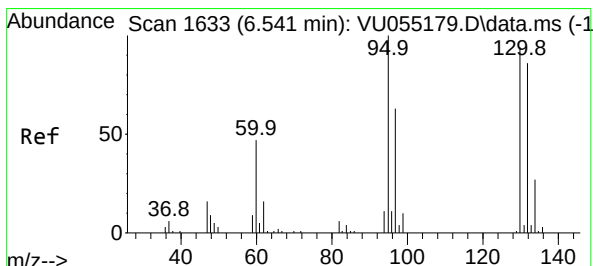
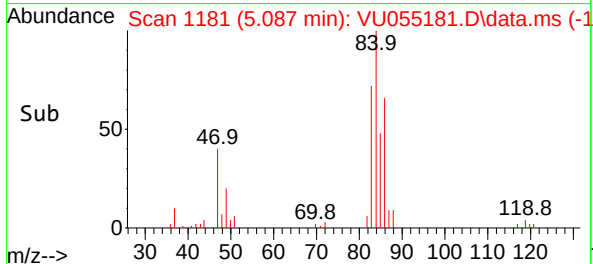
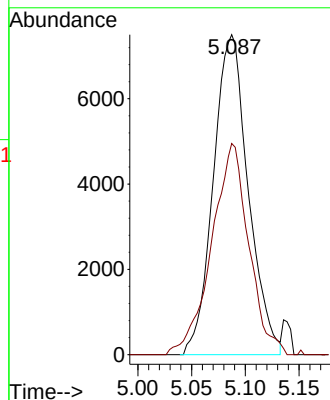
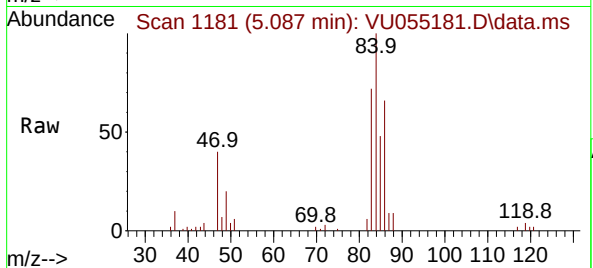
BH4B5DL

Tgt Ion: 83 Resp: 16938

Ion Ratio Lower Upper

83 100

85 66.0 47.2 87.6



#34

Trichloroethene

Concen: 2.529 ug/L

RT: 6.544 min Scan# 1634

Delta R.T. 0.003 min

Lab File: VU055181.D

Acq: 07 Sep 2023 12:13

Tgt Ion: 95 Resp: 26539

Ion Ratio Lower Upper

95 100

97 59.9 44.7 83.1

132 88.1 66.6 123.6

130 91.8 66.5 123.5

