

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100522\  
 Data File : VU051135.D  
 Acq On : 05 Oct 2022 18:22  
 Operator : JC/MD  
 Sample : N4853-18  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 06 03:05:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 06 02:55:50 2022  
 Response via : Initial Calibration

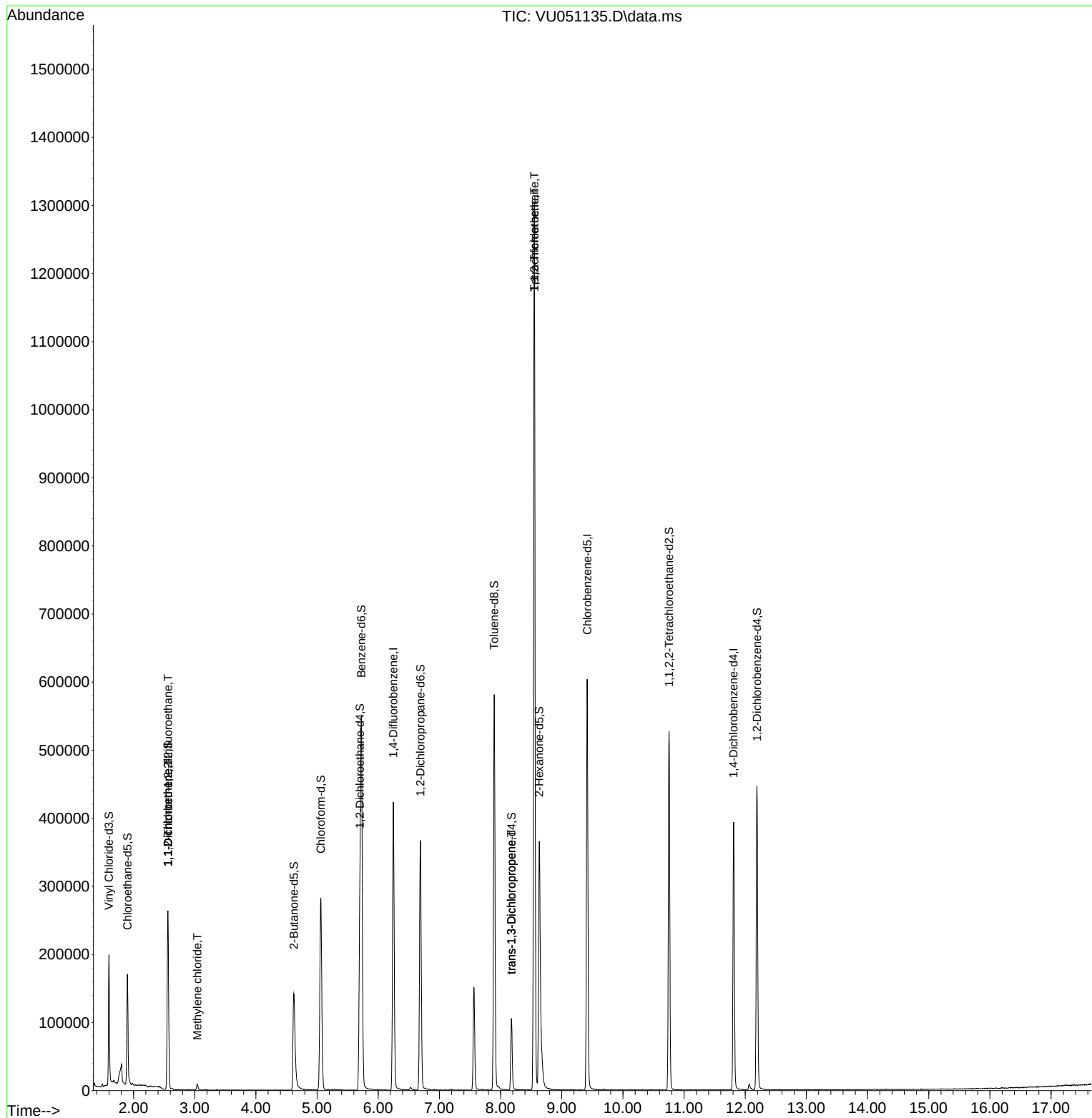
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247          | 114  | 334315     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 340012     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 106230     | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 128941     | 38.057   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 76.120%  |        |          |
| 7) Chloroethane-d5            | 1.900          | 69   | 123273     | 39.168   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 78.340%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 157554     | 31.481   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 62.960%  |        |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 202120     | 91.978   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 91.980%  |        |          |
| 24) Chloroform-d              | 5.060          | 84   | 265968     | 48.724   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.440%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 173305     | 51.293   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 102.580% |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 514499     | 51.673   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 103.340% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 181939     | 56.312   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 112.620% |        |          |
| 41) Toluene-d8                | 7.896          | 98   | 391346     | 42.541   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 85.080%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 60490      | 39.253   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 78.500%  |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 102639     | 78.675   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 78.680%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755         | 84   | 273606     | 48.455   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 96.900%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 121272     | 53.439   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 106.880% |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562          | 101  | 1456       | 0.570    | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.562          | 96   | 1467       | 0.615    | ug/L # | 1        |
| 16) Methylene chloride        | 3.041          | 84   | 3898       | 1.139    | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.176          | 75   | 2856       | 0.715    | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane     | 8.552          | 97   | 2809       | 0.929    | ug/L # | 1        |
| 46) Tetrachloroethene         | 8.552          | 164  | 283814     | 139.489  | ug/L   | 99       |
| -----                         |                |      |            |          |        |          |

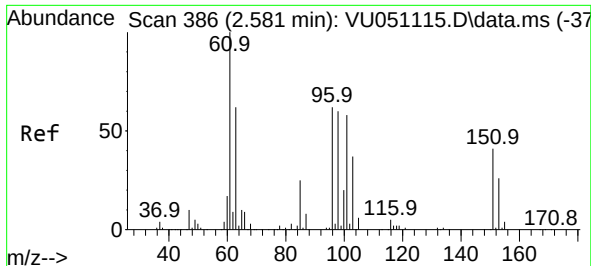
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Oct 06 02:55:50 2022  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.570 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.019 min

Lab File: VU051135.D

Acq: 05 Oct 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

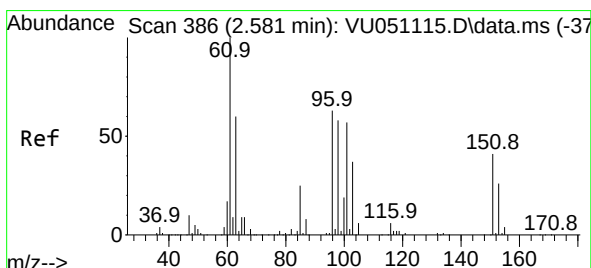
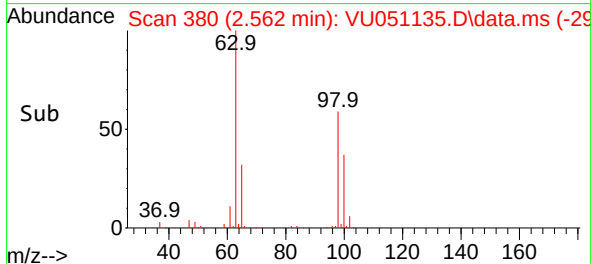
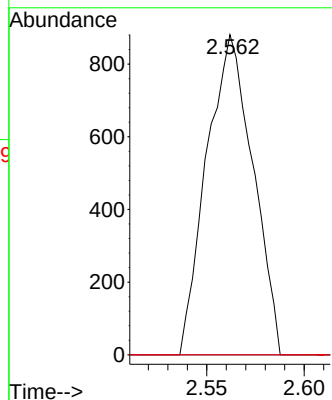
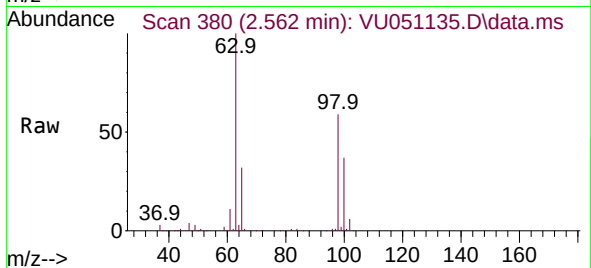
Tgt Ion:101 Resp: 1456

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 58.6 87.8#



#12

1,1-Dichloroethene

Concen: 0.615 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.019 min

Lab File: VU051135.D

Acq: 05 Oct 2022 18:22

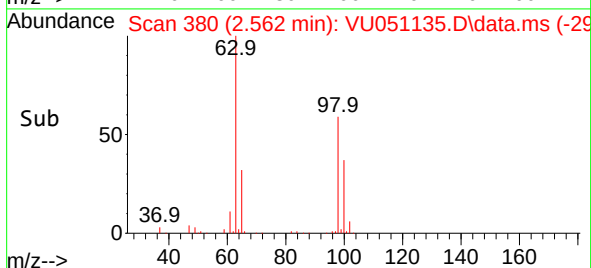
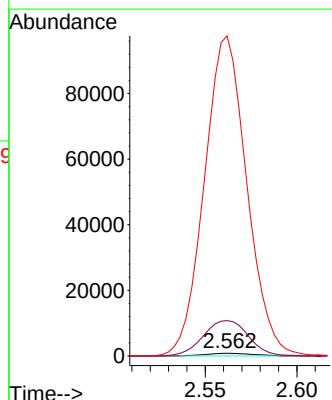
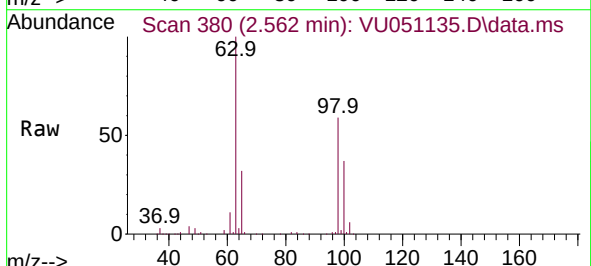
Tgt Ion: 96 Resp: 1467

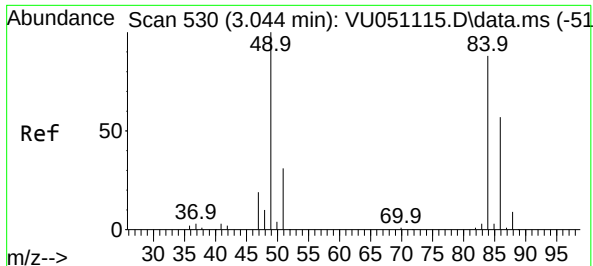
Ion Ratio Lower Upper

96 100

61 1297.6 113.0 209.9#

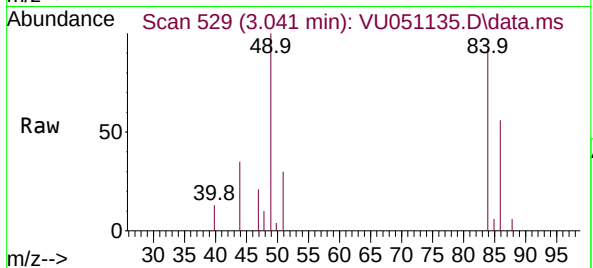
63 11768.4 91.7 170.3#



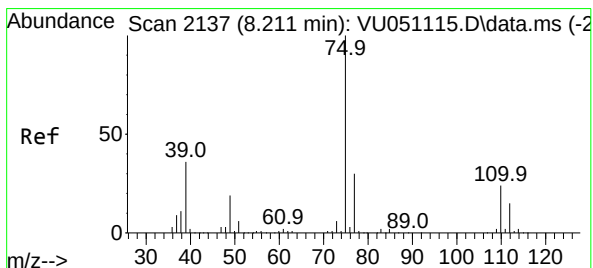
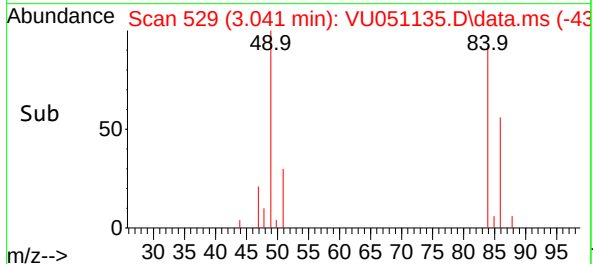
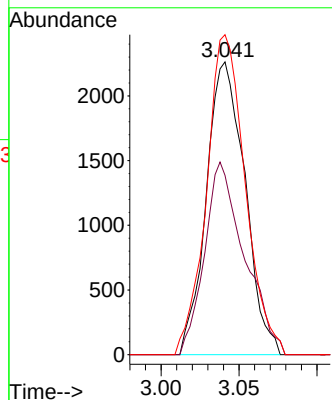


#16  
Methylene chloride  
Concen: 1.139 ug/L  
RT: 3.041 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VU051135.D  
Acq: 05 Oct 2022 18:22

Instrument :  
MSVOA\_U  
ClientSampleId :

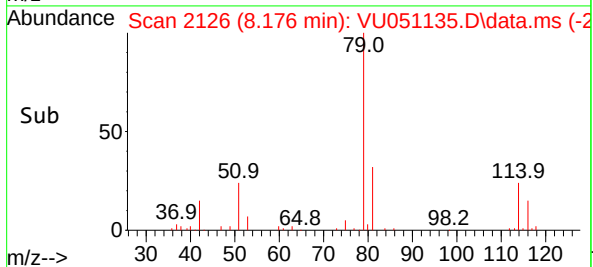
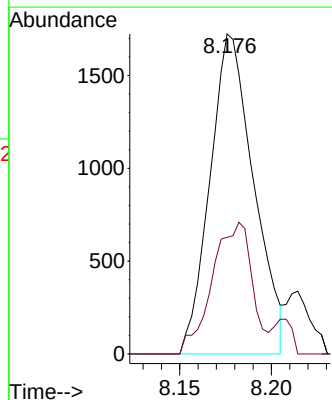
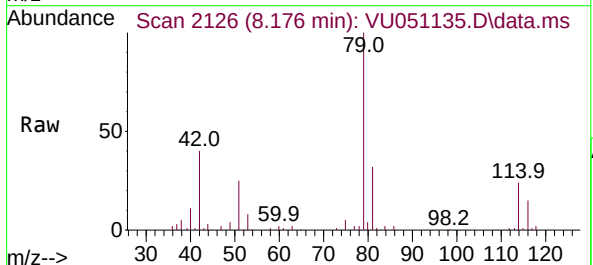


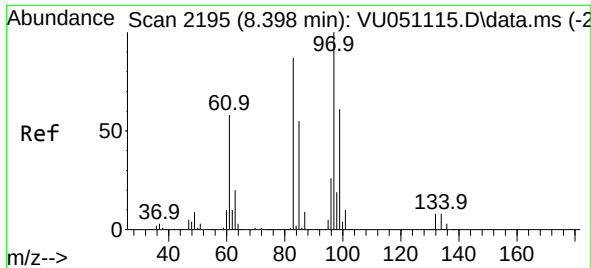
Tgt Ion: 84 Resp: 3898  
Ion Ratio Lower Upper  
84 100  
86 61.2 45.4 84.4  
49 109.3 78.3 145.3



#44  
trans-1,3-Dichloropropene  
Concen: 0.715 ug/L  
RT: 8.176 min Scan# 2126  
Delta R.T. -0.035 min  
Lab File: VU051135.D  
Acq: 05 Oct 2022 18:22

Tgt Ion: 75 Resp: 2856  
Ion Ratio Lower Upper  
75 100  
77 36.4 22.7 42.3

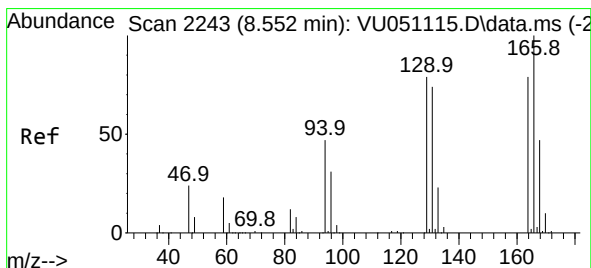
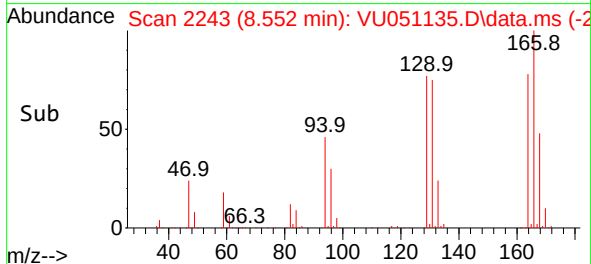
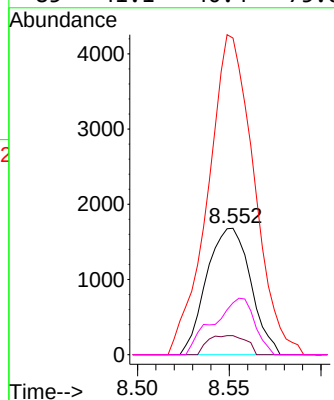
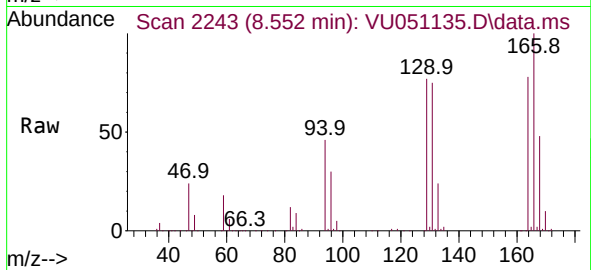




#45  
1,1,2-Trichloroethane  
Concen: 0.929 ug/L  
RT: 8.552 min Scan# 2195  
Delta R.T. 0.154 min  
Lab File: VU051135.D  
Acq: 05 Oct 2022 18:22

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 2809  
Ion Ratio Lower Upper  
97 100  
99 15.0 44.4 82.4#  
83 250.7 61.7 114.5#  
85 41.1 40.4 75.0



#46  
Tetrachloroethene  
Concen: 139.489 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.000 min  
Lab File: VU051135.D  
Acq: 05 Oct 2022 18:22

Tgt Ion:164 Resp: 283814  
Ion Ratio Lower Upper  
164 100  
129 98.8 68.1 126.5  
131 96.0 67.8 126.0  
166 127.6 90.5 168.1

