

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012623\  
 Data File : VU052823.D  
 Acq On : 26 Jan 2023 18:02  
 Operator : JC/MD  
 Sample : 01316-11  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 27 04:35:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 04:23:26 2023  
 Response via : Initial Calibration

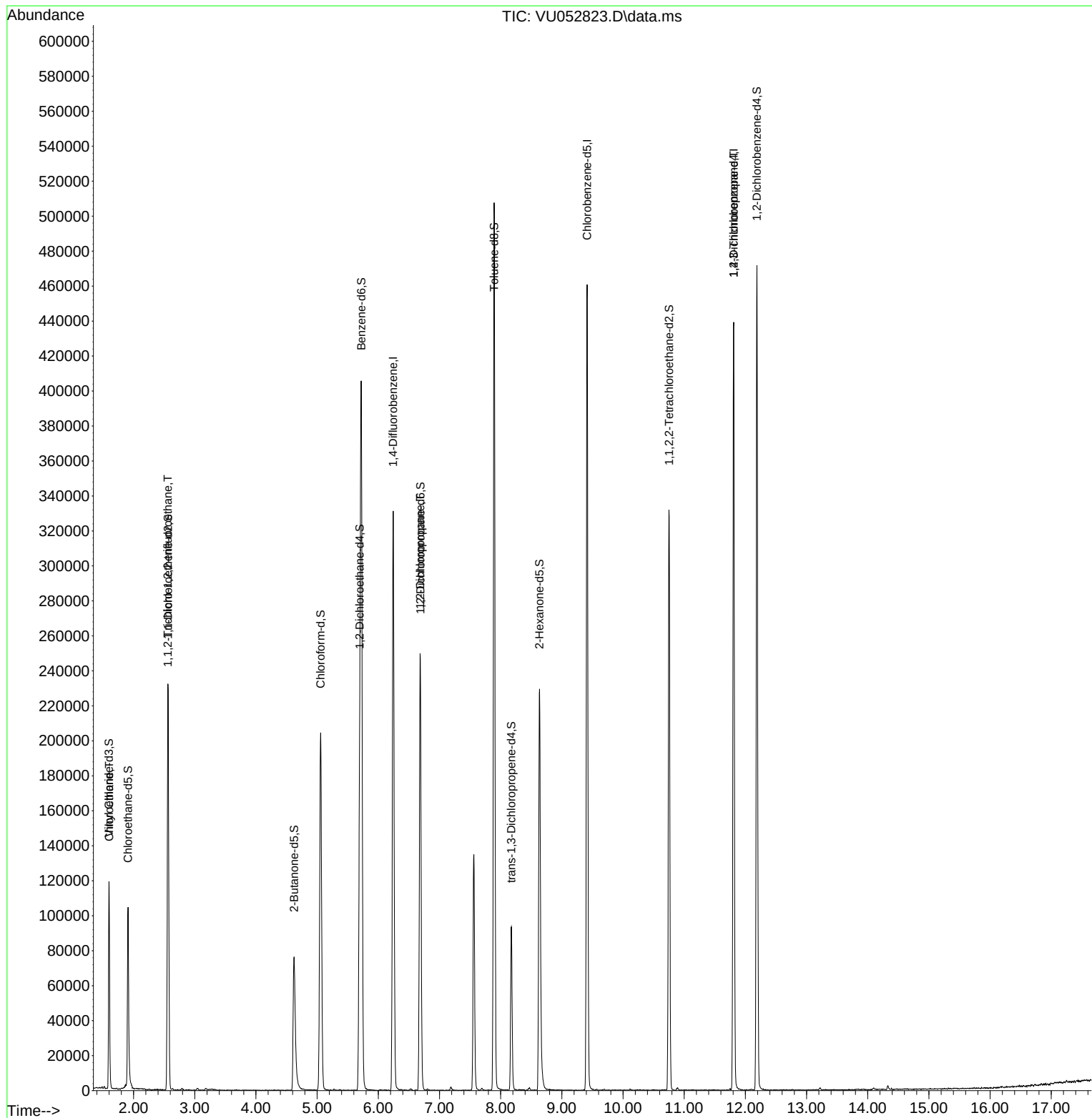
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243          | 114  | 275315     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414          | 117  | 260915     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 124927     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 89336      | 45.083   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 90.160%  |        |          |
| 7) Chloroethane-d5            | 1.909          | 69   | 77953      | 47.742   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 95.480%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 138784     | 35.212   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 70.420%  |        |          |
| 21) 2-Butanone-d5             | 4.623          | 46   | 116874     | 95.475   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 95.470%  |        |          |
| 24) Chloroform-d              | 5.057          | 84   | 193087     | 45.657   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.320%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.697          | 65   | 127429     | 47.190   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.380%  |        |          |
| 32) Benzene-d6                | 5.722          | 84   | 389683     | 48.885   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.780%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.687          | 67   | 114395     | 48.931   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 97.860%  |        |          |
| 41) Toluene-d8                | 7.893          | 98   | 335243     | 46.185   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 92.380%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.173          | 79   | 55523      | 47.384   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 94.760%  |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 81194      | 98.841   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 98.840%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751         | 84   | 161068     | 46.630   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 93.260%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.188         | 152  | 126263     | 52.051   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 104.100% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 8) Chloroethane               | 1.600          | 64   | 1491       | 1.009    | ug/L # | 1        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.559          | 101  | 1407       | 0.634    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.684          | 63   | 12810      | 5.867    | ug/L # | 85       |
| 60) 1,2,3-Trichloropropane    | 11.809         | 75   | 12580      | 5.191    | ug/L # | 65       |
| -----                         |                |      |            |          |        |          |

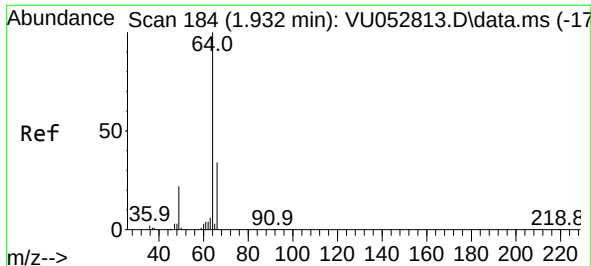
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 27 04:23:26 2023  
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.009 ug/L

RT: 1.600 min Scan# 81

Delta R.T. -0.332 min

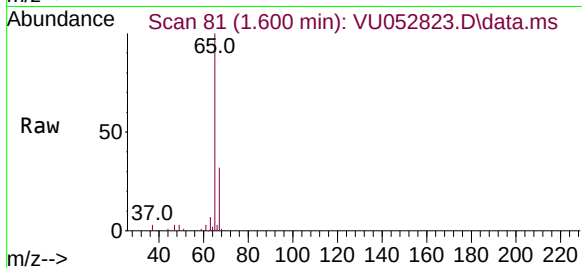
Lab File: VU052823.D

Acq: 26 Jan 2023 18:02

Instrument :

MSVOA\_U

ClientSampleId :

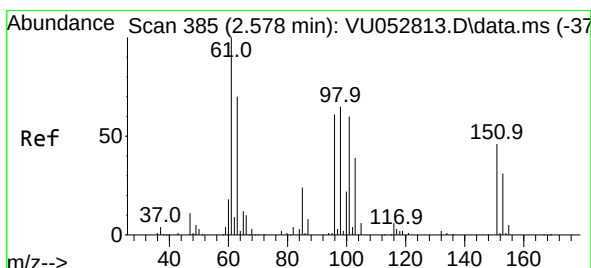
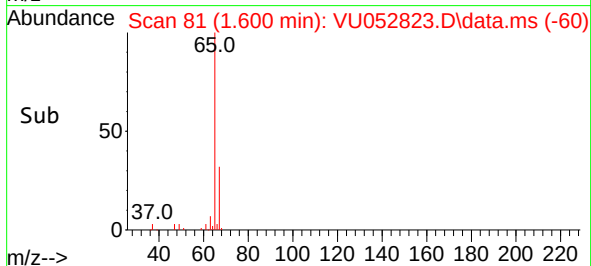
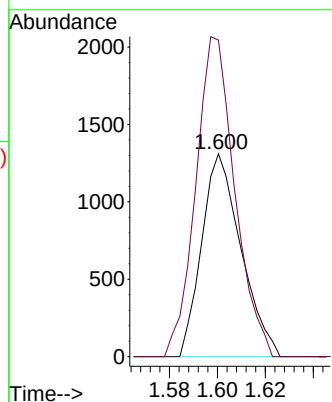


Tgt Ion: 64 Resp: 1491

Ion Ratio Lower Upper

64 100

66 156.0 24.1 44.7#



#10

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

Concen: 0.634 ug/L

RT: 2.559 min Scan# 379

Delta R.T. -0.020 min

Lab File: VU052823.D

Acq: 26 Jan 2023 18:02

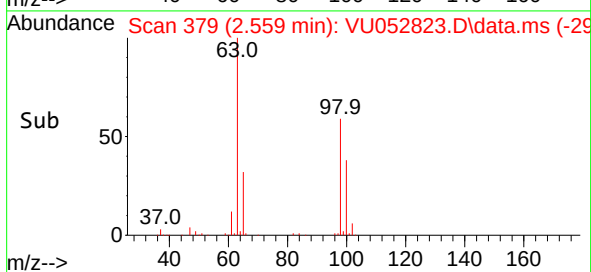
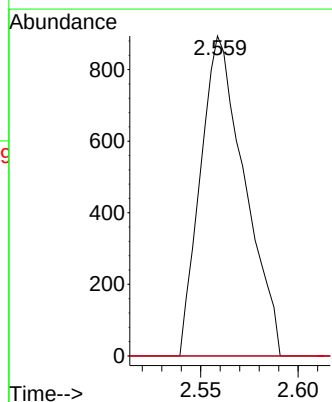
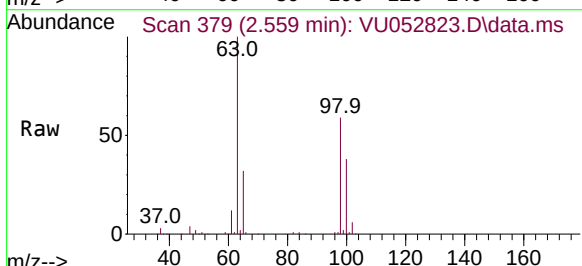
Tgt Ion:101 Resp: 1407

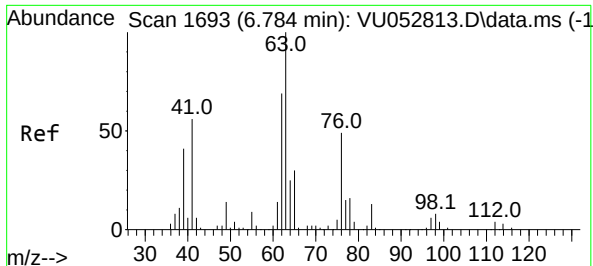
Ion Ratio Lower Upper

101 100

85 0.0 32.9 49.3#

151 0.0 62.6 94.0#





#37

1,2-Dichloropropane

Concen: 5.867 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052823.D

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Instrument :

MSVOA\_U

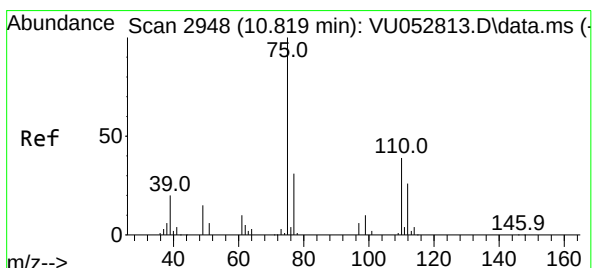
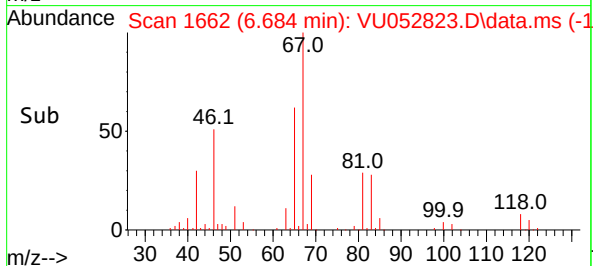
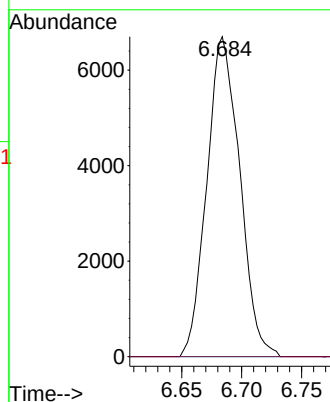
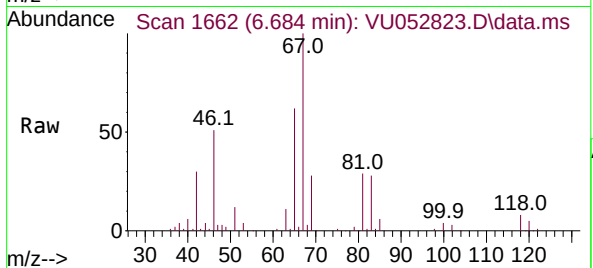
ClientSampleId :

Tgt Ion: 63 Resp: 12810

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#60

1,2,3-Trichloropropane

Concen: 5.191 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU052823.D

Acq: 26 Jan 2023 18:02

Tgt Ion: 75 Resp: 12580

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

110 2.0 32.4 48.6#

