

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU093022\  
 Data File : VU051036.D  
 Acq On : 30 Sep 2022 16:11  
 Operator : JC/MD  
 Sample : N4854-19 50X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 01 01:27:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 01 01:23:58 2022  
 Response via : Initial Calibration

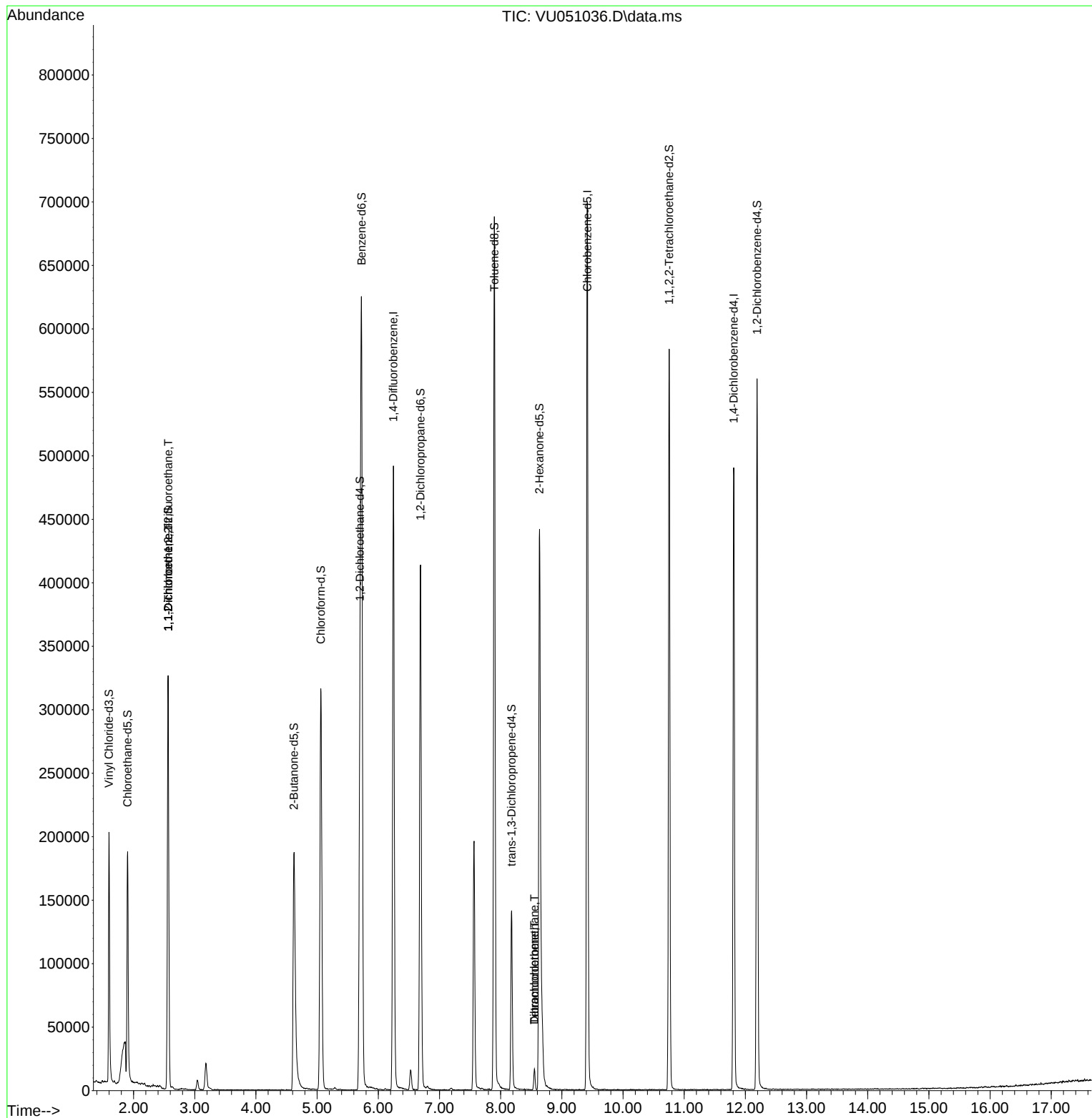
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247          | 114  | 384128     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 386070     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 130172     | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 152276     | 39.116   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 78.240%  |        |          |
| 7) Chloroethane-d5            | 1.903          | 69   | 140323     | 38.804   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 77.600%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 195368     | 33.974   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 67.940%  |        |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 257930     | 102.154  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 102.150% |        |          |
| 24) Chloroform-d              | 5.060          | 84   | 297018     | 47.356   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.720%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 193810     | 49.923   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.840%  |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 570359     | 50.449   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.900% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 199798     | 54.462   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 108.920% |        |          |
| 41) Toluene-d8                | 7.896          | 98   | 462898     | 44.316   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.640%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 78835      | 45.054   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 90.100%  |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 127681     | 86.195   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 86.190%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755         | 84   | 294782     | 45.977   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 91.960%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 145169     | 52.203   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 104.400% |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565          | 101  | 1594       | 0.544    | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.565          | 96   | 1889       | 0.690    | ug/L # | 1        |
| 46) Tetrachloroethene         | 8.552          | 164  | 3092       | 1.338    | ug/L   | 88       |
| 49) Dibromochloromethane      | 8.552          | 129  | 3461       | 0.959    | ug/L # | 12       |
| -----                         |                |      |            |          |        |          |

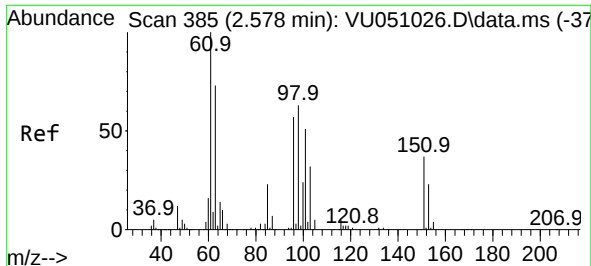
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Oct 01 01:23:58 2022  
Response via : Initial Calibration





#10

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

Concen: 0.544 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

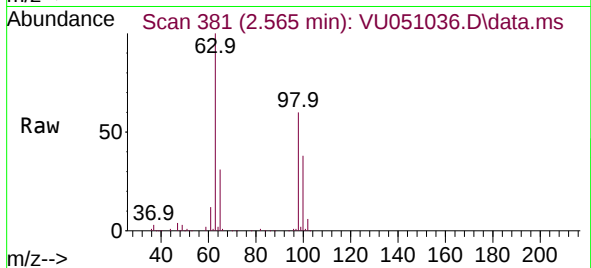
Lab File: VU051036.D

Acq: 30 Sep 2022 16:11

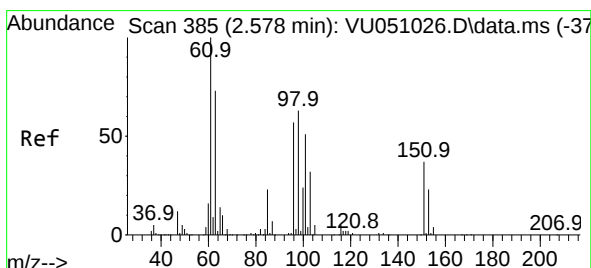
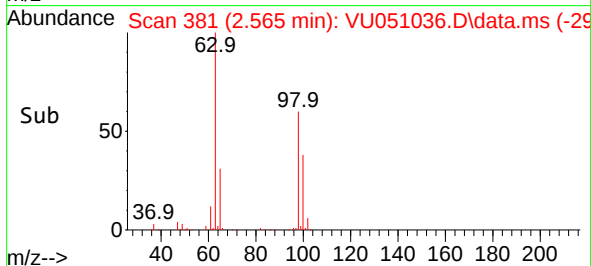
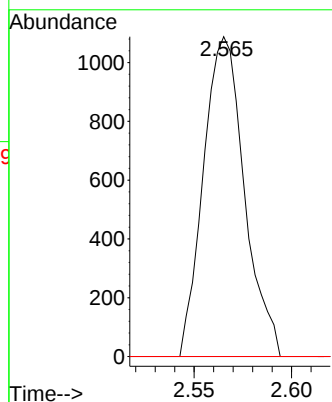
Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 1594  |
| 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: 0.690 ug/L

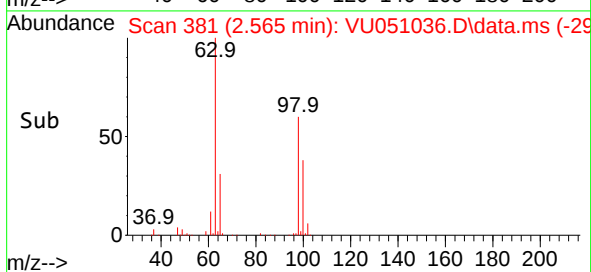
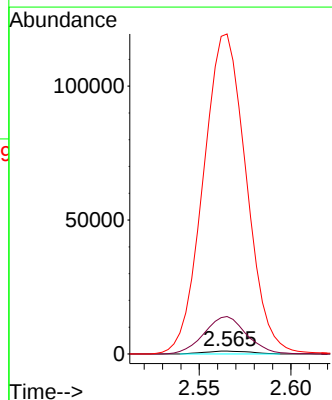
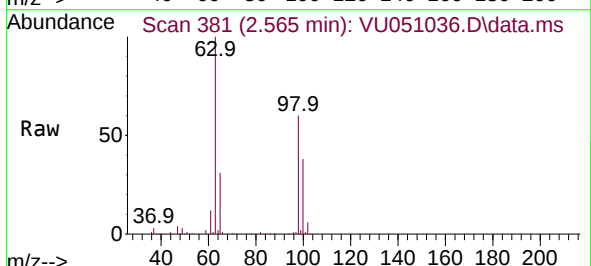
RT: 2.565 min Scan# 381

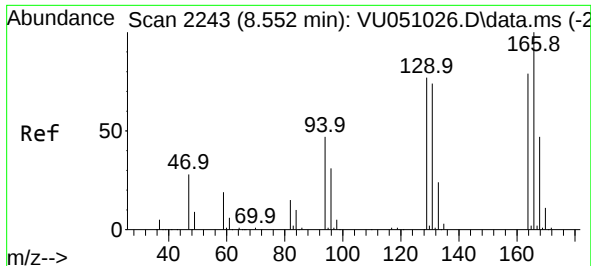
Delta R.T. -0.013 min

Lab File: VU051036.D

Acq: 30 Sep 2022 16:11

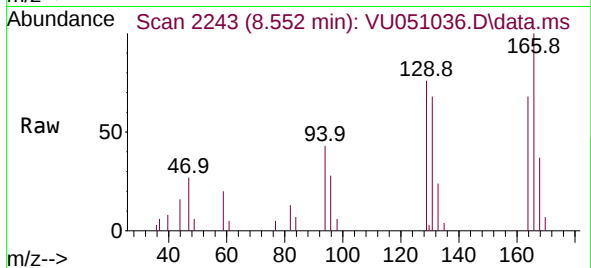
|          |         |       |        |
|----------|---------|-------|--------|
| Tgt Ion: | 96      | Resp: | 1889   |
| Ion      | Ratio   | Lower | Upper  |
| 96       | 100     |       |        |
| 61       | 1296.4  | 113.0 | 209.9# |
| 63       | 11094.5 | 91.7  | 170.3# |



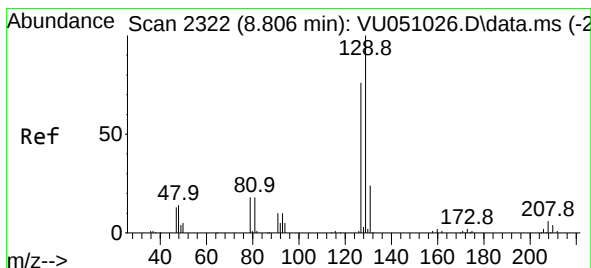
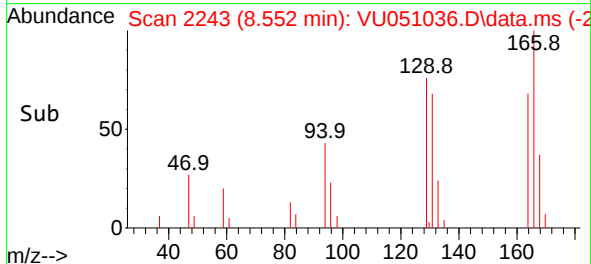
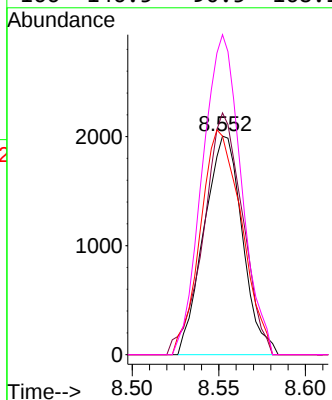


#46  
Tetrachloroethene  
Concen: 1.338 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU051036.D  
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Tgt Ion:164 Resp: 3092  
Ion Ratio Lower Upper  
164 100  
129 115.7 68.1 126.5  
131 100.0 67.8 126.0  
166 146.5 90.5 168.1



#49  
Dibromochloromethane  
Concen: 0.959 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.254 min  
Lab File: VU051036.D  
Acq: 30 Sep 2022 16:11

Tgt Ion:129 Resp: 3461  
Ion Ratio Lower Upper  
129 100  
127 0.0 52.8 98.0#

