

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092322\  
 Data File : VU050928.D  
 Acq On : 23 Sep 2022 18:41  
 Operator : JC/MD  
 Sample : N4650-23  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 24 00:26:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 24 00:22:43 2022  
 Response via : Initial Calibration

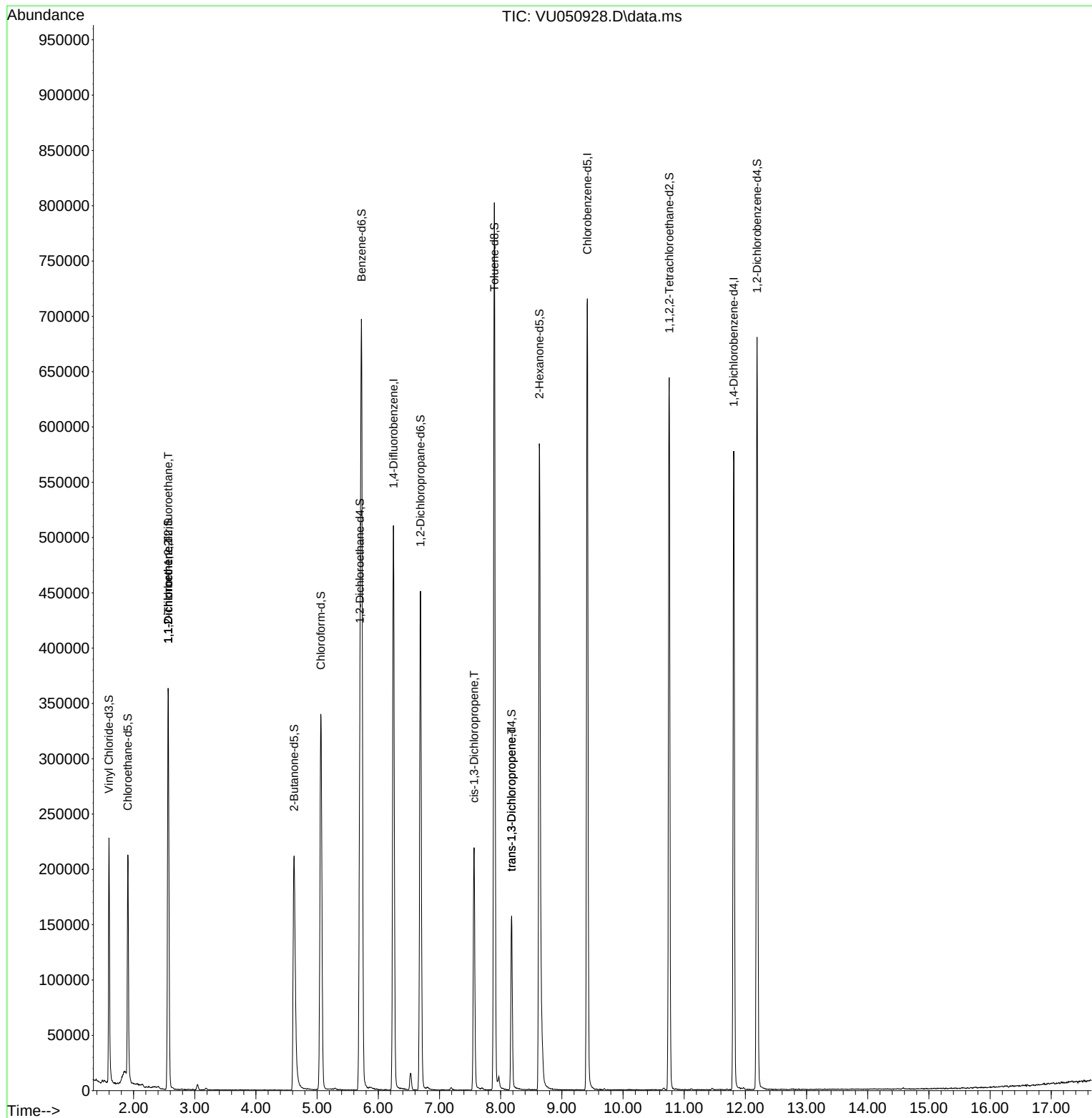
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 405555   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 401238   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809  | 152   | 149893   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 167195   | 39.791   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 79.580%  |
| 7) Chloroethane-d5            | 1.906   | 69    | 147679   | 49.350   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 98.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 213697   | 32.685   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 65.360%  |
| 21) 2-Butanone-d5             | 4.623   | 46    | 321125   | 118.379  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 118.380% |
| 24) Chloroform-d              | 5.060   | 84    | 324826   | 49.330   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.660%  |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 213384   | 52.583   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.160% |
| 32) Benzene-d6                | 5.726   | 84    | 638827   | 48.337   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.680%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 223537   | 50.109   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 100.220% |
| 41) Toluene-d8                | 7.896   | 98    | 524707   | 45.420   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.840%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 90773    | 46.774   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.540%  |
| 47) 2-Hexanone-d5             | 8.633   | 63    | 177051   | 96.309   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 96.310%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755  | 84    | 333439   | 49.026   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.060%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 175232   | 55.835   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 111.680% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565   | 101   | 2226     | 0.671    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.565   | 96    | 1808     | 0.580    | ug/L # | 1        |
| 39) cis-1,3-Dichloropropene   | 7.565   | 75    | 5120     | 0.947    | ug/L # | 65       |
| 44) trans-1,3-Dichloropropene | 8.179   | 75    | 3963     | 0.770    | ug/L # | 80       |
| -----                         |         |       |          |          |        |          |

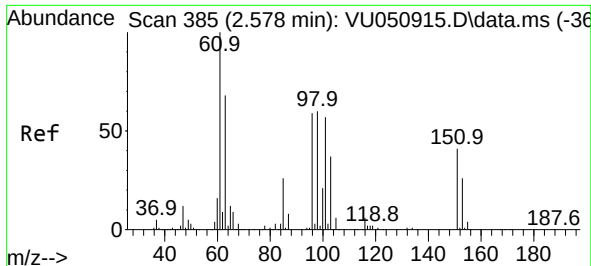
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

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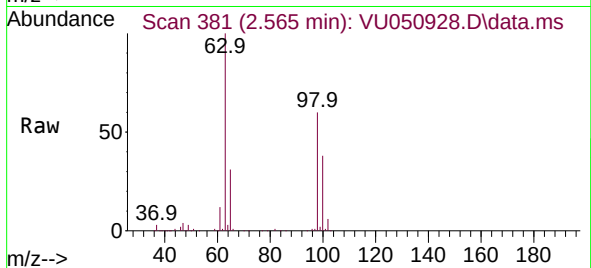
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
Quant Title : VOC Analysis  
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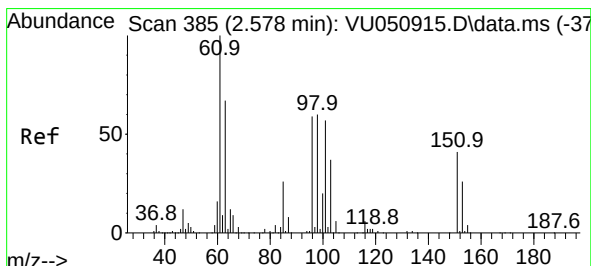
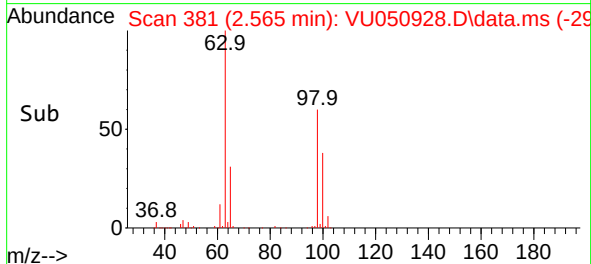
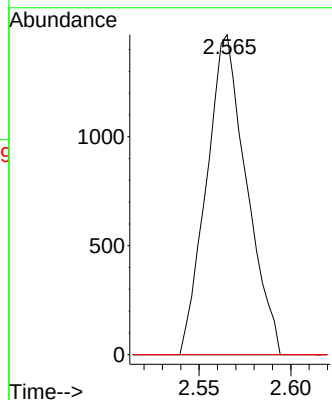


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.671 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.013 min  
 Lab File: VU050928.D  
 Acq: 23 Sep 2022 18:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :

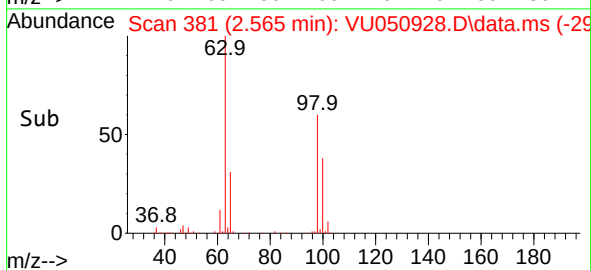
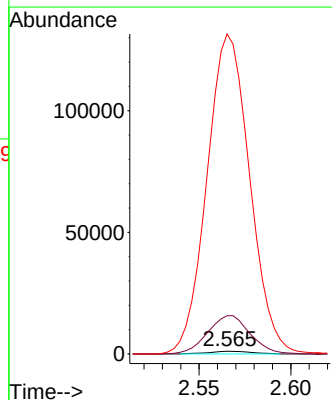
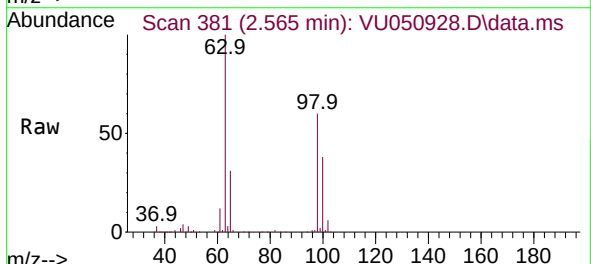


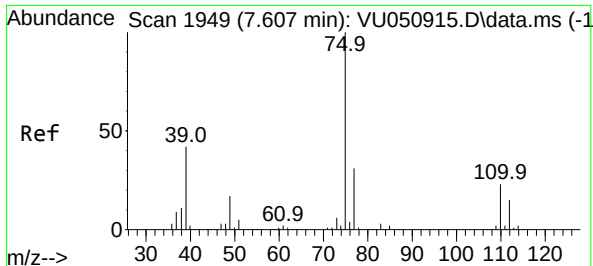
Tgt Ion:101 Resp: 2226  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.1 52.7#  
 151 0.0 56.6 84.8#



#12  
 1,1-Dichloroethene  
 Concen: 0.580 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.013 min  
 Lab File: VU050928.D  
 Acq: 23 Sep 2022 18:41

Tgt Ion: 96 Resp: 1808  
 Ion Ratio Lower Upper  
 96 100  
 61 1433.3 118.6 220.2#  
 63 11994.9 90.4 168.0#





#39

cis-1,3-Dichloropropene

Concen: 0.947 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050928.D

Acq: 23 Sep 2022 18:41

Instrument :

MSVOA\_U

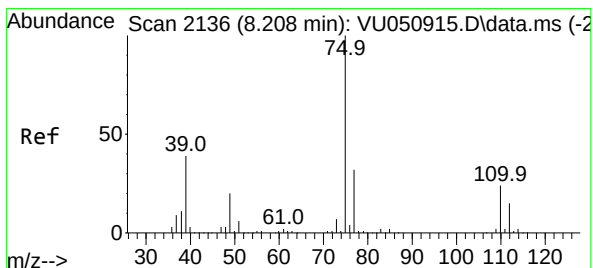
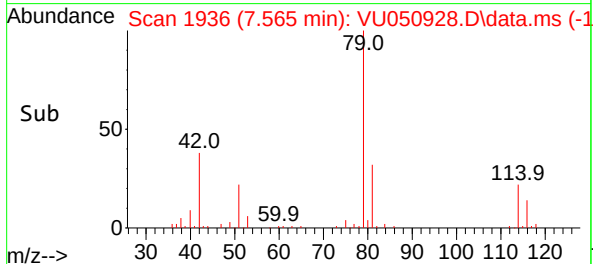
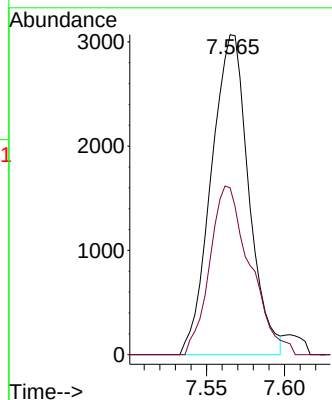
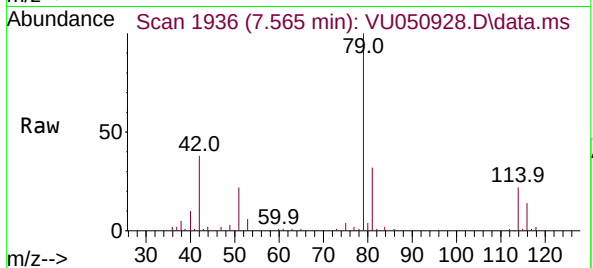
ClientSampleId :

Tgt Ion: 75 Resp: 5120

Ion Ratio Lower Upper

75 100

77 52.2 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.770 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU050928.D

Acq: 23 Sep 2022 18:41

Tgt Ion: 75 Resp: 3963

Ion Ratio Lower Upper

75 100

77 42.2 21.9 40.7#

