

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101123\  
 Data File : VU055745.D  
 Acq On : 11 Oct 2023 13:45  
 Operator : MD/SY  
 Sample : 04707-09MEDL  
 Misc : 6.76g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 12 01:56:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 12 01:53:31 2023  
 Response via : Initial Calibration

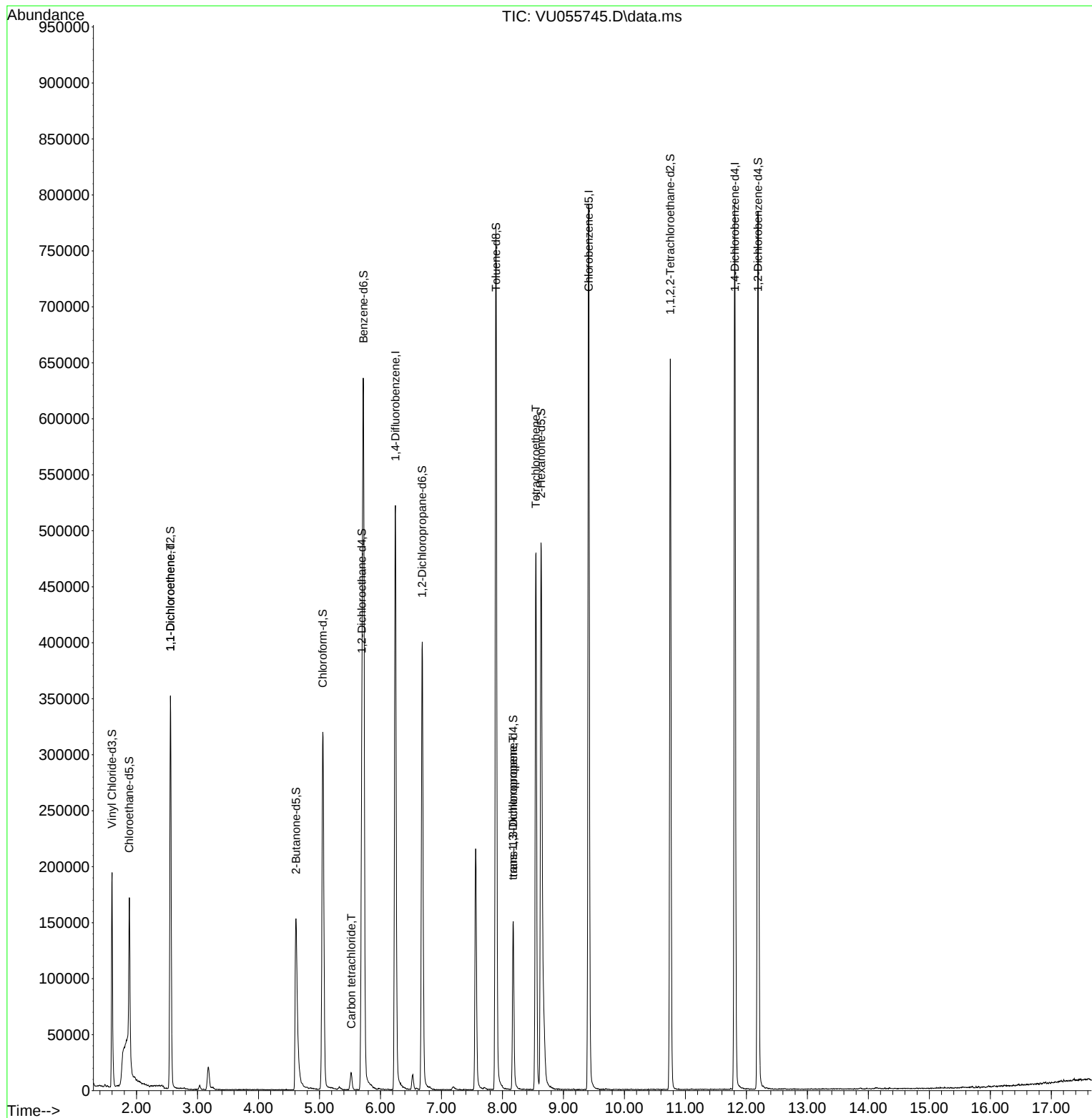
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.245          | 114  | 412758     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415          | 117  | 426915     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811         | 152  | 202029     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.599          | 65   | 145770     | 39.373  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 78.740% |        |          |
| 7) Chloroethane-d5            | 1.882          | 69   | 127104     | 42.000  | ug/L   | -0.03    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 84.000% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.557          | 63   | 207315     | 31.405  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 62.800% |        |          |
| 21) 2-Butanone-d5             | 4.615          | 46   | 239257     | 87.214  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 87.210% |        |          |
| 24) Chloroform-d              | 5.055          | 84   | 299374     | 42.180  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.360% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.695          | 65   | 199729     | 45.718  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.440% |        |          |
| 32) Benzene-d6                | 5.721          | 84   | 596737     | 43.687  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.380% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.685          | 67   | 188844     | 43.671  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 87.340% |        |          |
| 41) Toluene-d8                | 7.894          | 98   | 516190     | 41.851  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 83.700% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.177          | 79   | 86391      | 41.589  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.180% |        |          |
| 47) 2-Hexanone-d5             | 8.634          | 63   | 167713     | 98.656  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 98.660% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753         | 84   | 319598     | 48.016  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 96.040% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190         | 152  | 198611     | 49.539  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 99.080% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.557          | 96   | 1706       | 0.583   | ug/L # | 1        |
| 31) Carbon tetrachloride      | 5.521          | 117  | 10314      | 2.136   | ug/L   | 92       |
| 44) trans-1,3-Dichloropropene | 8.174          | 75   | 4280       | 0.791   | ug/L # | 74       |
| 46) Tetrachloroethene         | 8.550          | 164  | 99891      | 37.784  | ug/L   | 98       |
| -----                         |                |      |            |         |        |          |

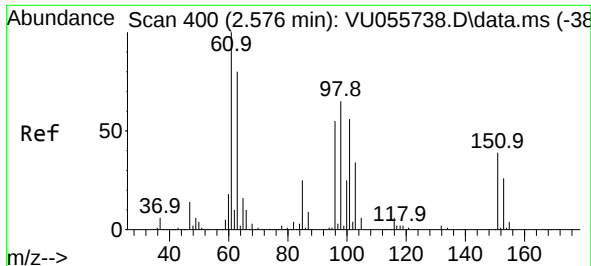
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 12 01:53:31 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.583 ug/L

RT: 2.557 min Scan# 394

Delta R.T. -0.019 min

Lab File: VU055745.D

Acq: 11 Oct 2023 13:45

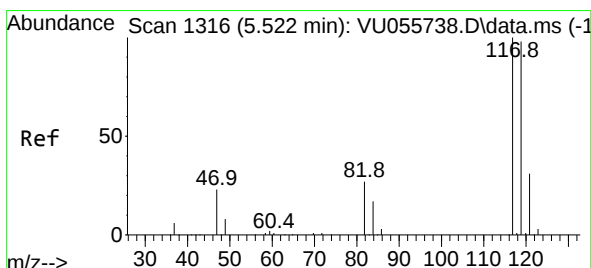
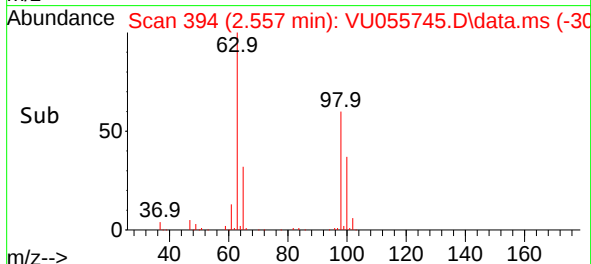
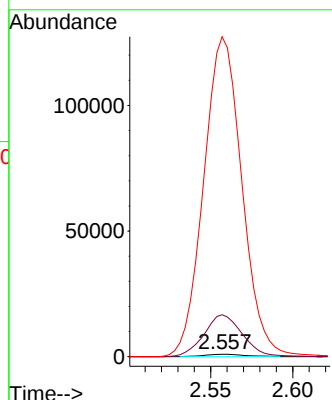
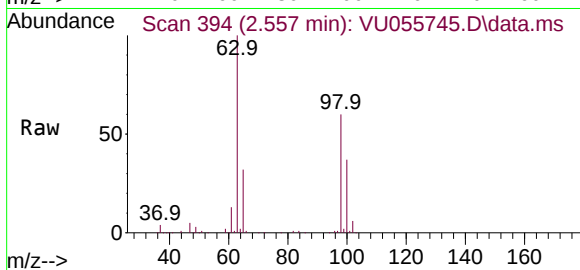
Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 96 Resp: 1706

| Ion | Ratio   | Lower | Upper  |
|-----|---------|-------|--------|
| 96  | 100     |       |        |
| 61  | 1710.5  | 122.0 | 226.6# |
| 63  | 13035.0 | 93.7  | 174.1# |



#31

Carbon tetrachloride

Concen: 2.136 ug/L

RT: 5.521 min Scan# 1316

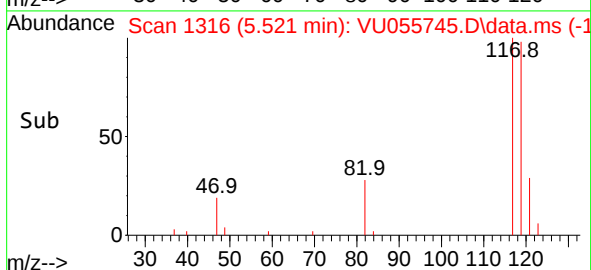
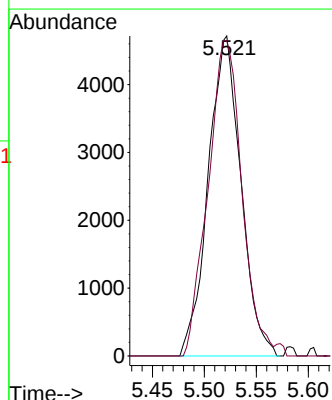
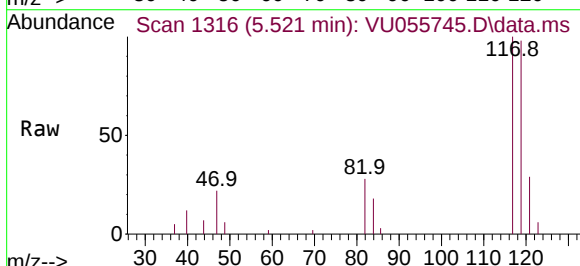
Delta R.T. -0.000 min

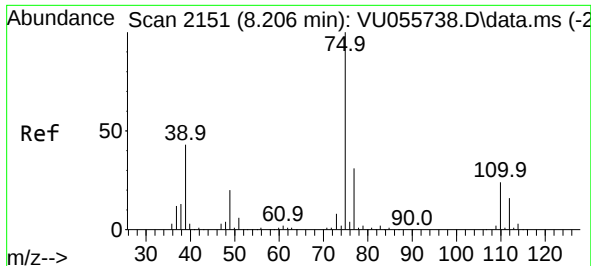
Lab File: VU055745.D

Acq: 11 Oct 2023 13:45

Tgt Ion: 117 Resp: 10314

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 101.8 | 75.4  | 113.0 |

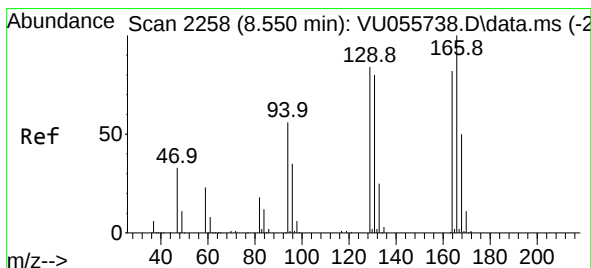
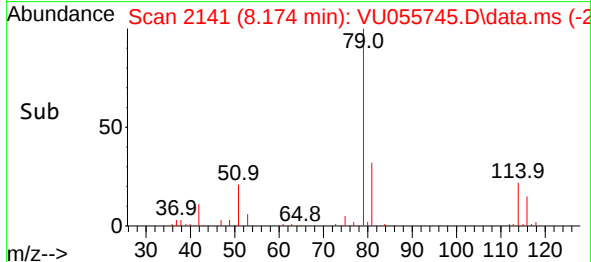
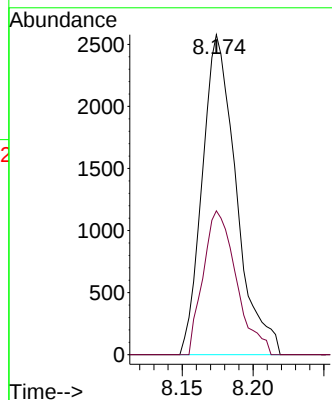
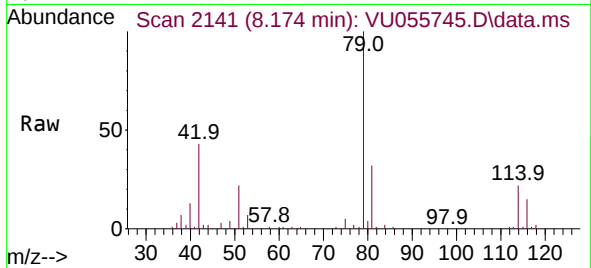




#44  
trans-1,3-Dichloropropene  
Concen: 0.791 ug/L  
RT: 8.174 min Scan# 2151  
Delta R.T. -0.032 min  
Lab File: VU055745.D  
Acq: 11 Oct 2023 13:45

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 75 Resp: 4280  
Ion Ratio Lower Upper  
75 100  
77 45.0 21.6 40.2#



#46  
Tetrachloroethene  
Concen: 37.784 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.000 min  
Lab File: VU055745.D  
Acq: 11 Oct 2023 13:45

Tgt Ion:164 Resp: 99891  
Ion Ratio Lower Upper  
164 100  
129 102.9 70.7 131.3  
131 96.5 65.9 122.5  
166 127.4 87.8 163.0

