

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121021\  
 Data File : VU046266.D  
 Acq On : 10 Dec 2021 15:10  
 Operator : SY/MD  
 Sample : M4885-15MEDL 20X  
 Misc : 3.06g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW9M2MEDL

Quant Time: Dec 10 22:24:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/15/2021  
 Supervised By :Semsettin Yesilyurt 12/15/2021

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 228114     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 232380     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 125697     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.604          | 65   | 66834      | 35.567   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 71.140%  |       |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 52139      | 36.139   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 72.280%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.571          | 63   | 96316      | 28.552   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 57.100%# |       |          |
| 21) 2-Butanone-d5             | 4.639          | 46   | 126635     | 84.775   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 84.770%  |       |          |
| 24) Chloroform-d              | 5.066          | 84   | 128386     | 40.914   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 81.820%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.706          | 65   | 88724      | 42.130   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.260%  |       |          |
| 32) Benzene-d6                | 5.732          | 84   | 280026     | 42.043   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.080%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.693          | 67   | 89237      | 43.231   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 86.460%  |       |          |
| 41) Toluene-d8                | 7.899          | 98   | 245502     | 40.483   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 80.960%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 42826      | 42.979   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 85.960%  |       |          |
| 47) 2-Hexanone-d5             | 8.635          | 63   | 93303      | 95.333   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 95.330%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 134014     | 42.810   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 85.620%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 103715     | 42.845   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 85.700%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 20) cis-1,2-Dichloroethene    | 4.677          | 96   | 2258m      | 1.247    | ug/L  |          |
| 34) Trichloroethene           | 6.542          | 95   | 284831     | 153.725  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.407          | 97   | 921        | 0.498    | ug/L  | 84       |
| 46) Tetrachloroethene         | 8.555          | 164  | 97095      | 71.308   | ug/L  | 97       |
| -----                         |                |      |            |          |       |          |

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

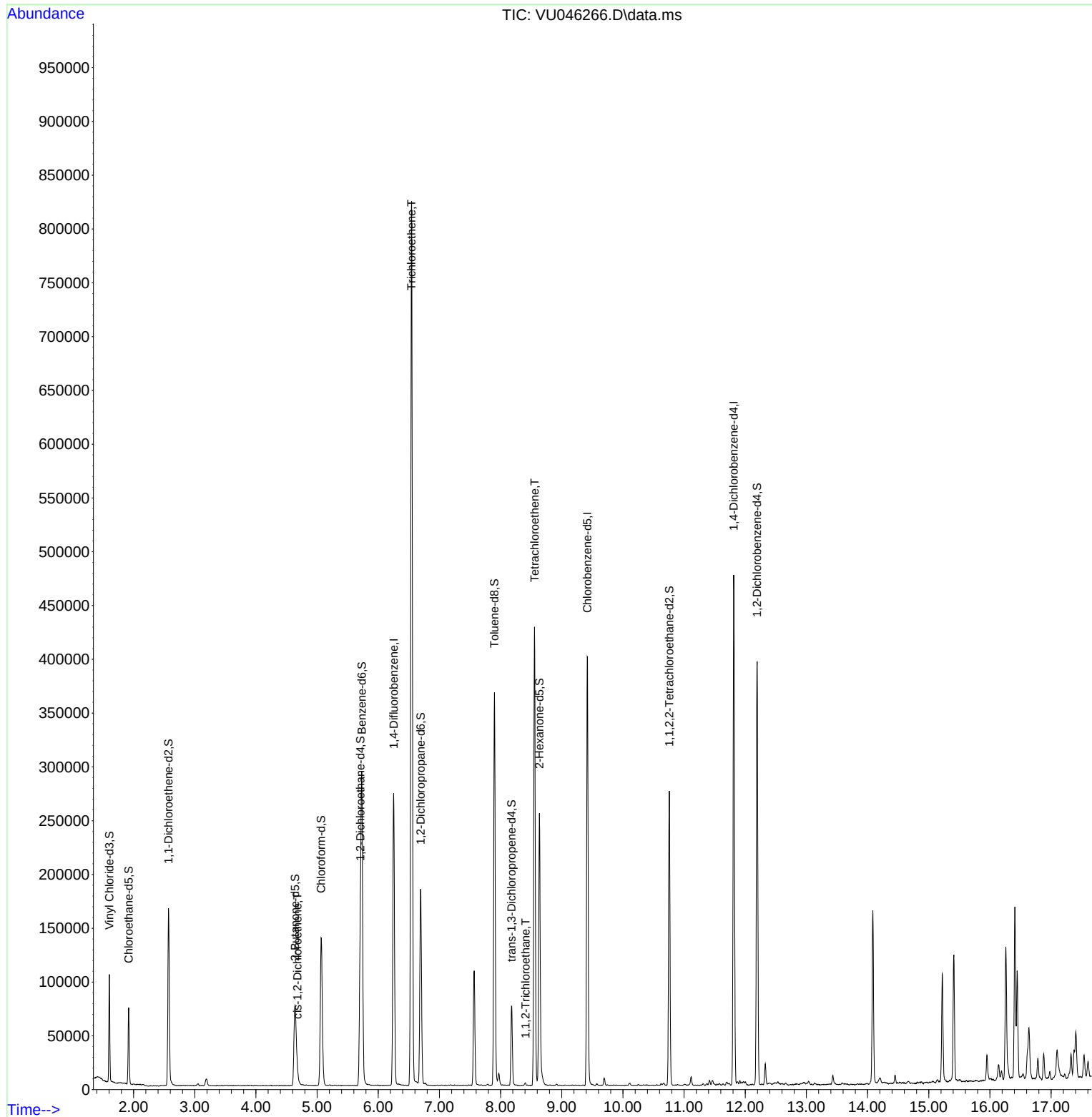
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121021\  
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Operator : SY/MD  
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Misc : 3.06g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 11 Sample Multiplier: 1

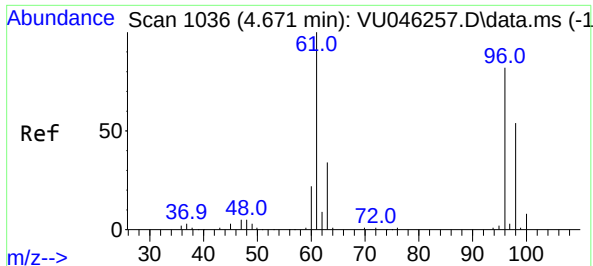
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW9M2MEDL

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
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Manual Integrations  
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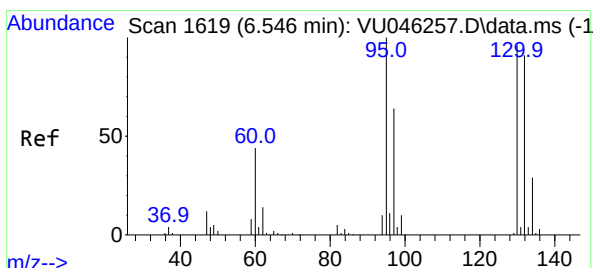
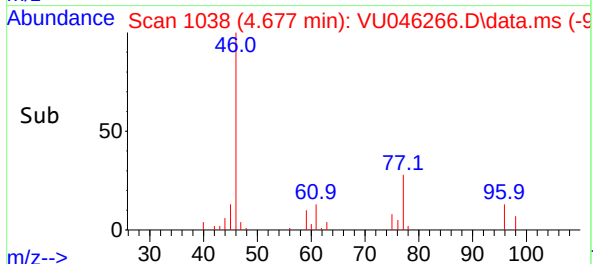
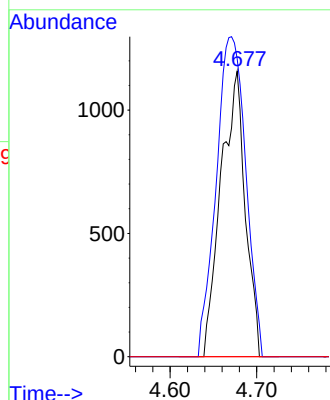
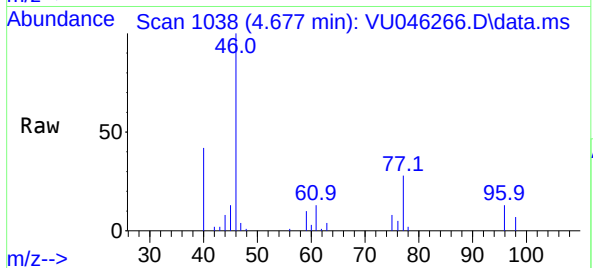
cis-1,2-Dichloroethene  
 Concen: 1.247 ug/L m  
 RT: 4.677 min Scan# 1038  
 Delta R.T. 0.006 min  
 Lab File: VU046266.D  
 Acq: 10 Dec 2021 15:10

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW9M2MEDL

Tgt Ion: 96 Resp: 2258  
 Ion Ratio Lower Upper  
 96 100  
 61 104.4 86.8 161.2  
 68 0.0 0.0 0.0

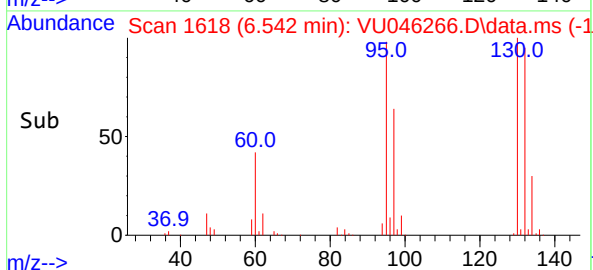
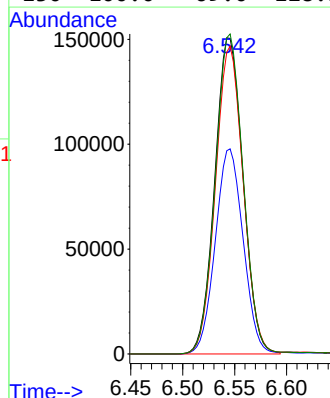
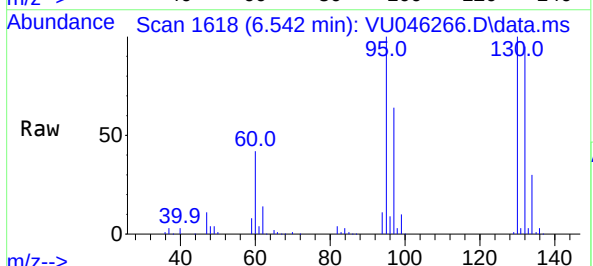
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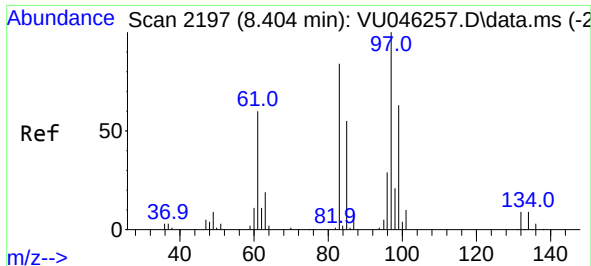
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Trichloroethene  
 Concen: 153.725 ug/L  
 RT: 6.542 min Scan# 1618  
 Delta R.T. -0.003 min  
 Lab File: VU046266.D  
 Acq: 10 Dec 2021 15:10

Tgt Ion: 95 Resp: 284831  
 Ion Ratio Lower Upper  
 95 100  
 97 64.3 44.1 81.9  
 132 95.4 66.8 124.0  
 130 100.0 69.0 128.1





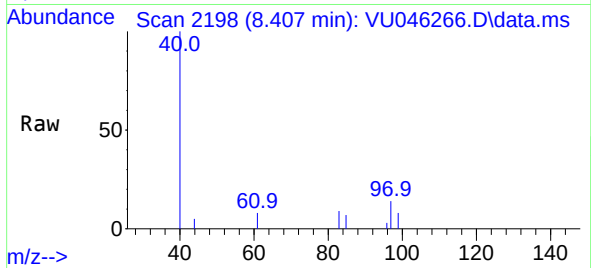
#45  
1,1,2-Trichloroethane  
Concen: 0.498 ug/L  
RT: 8.407 min Scan# 2197  
Delta R.T. 0.003 min  
Lab File: VU046266.D  
Acq: 10 Dec 2021 15:10

Instrument :

MSVOA\_U

ClientSampleId :

EW9M2MEDL

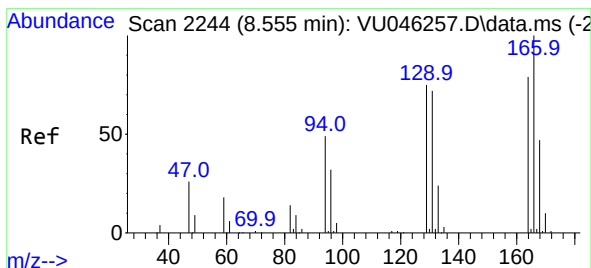
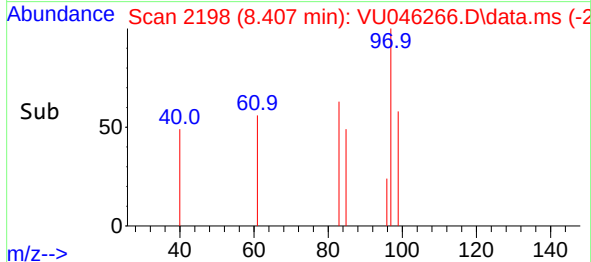
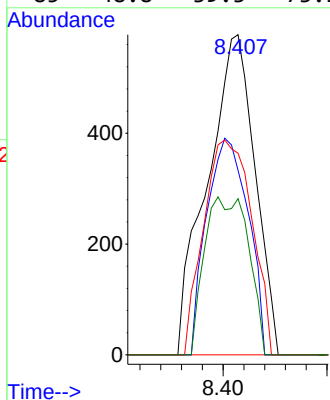


Tgt Ion: 97 Resp: 92  
Ion Ratio Lower Upper  
97 100  
99 57.6 44.7 82.9  
83 63.0 60.2 111.8  
85 48.8 39.3 73.1

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#46  
Tetrachloroethene  
Concen: 71.308 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU046266.D  
Acq: 10 Dec 2021 15:10

Tgt Ion:164 Resp: 97095  
Ion Ratio Lower Upper  
164 100  
129 95.7 71.1 132.1  
131 92.7 67.8 126.0  
166 128.8 90.6 168.2

