

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031723\  
 Data File : VU053282.D  
 Acq On : 17 Mar 2023 21:34  
 Operator : JC/MD  
 Sample : 01930-23  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EYFG9

Quant Time: Mar 18 04:58:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 18 04:29:10 2023  
 Response via : Initial Calibration

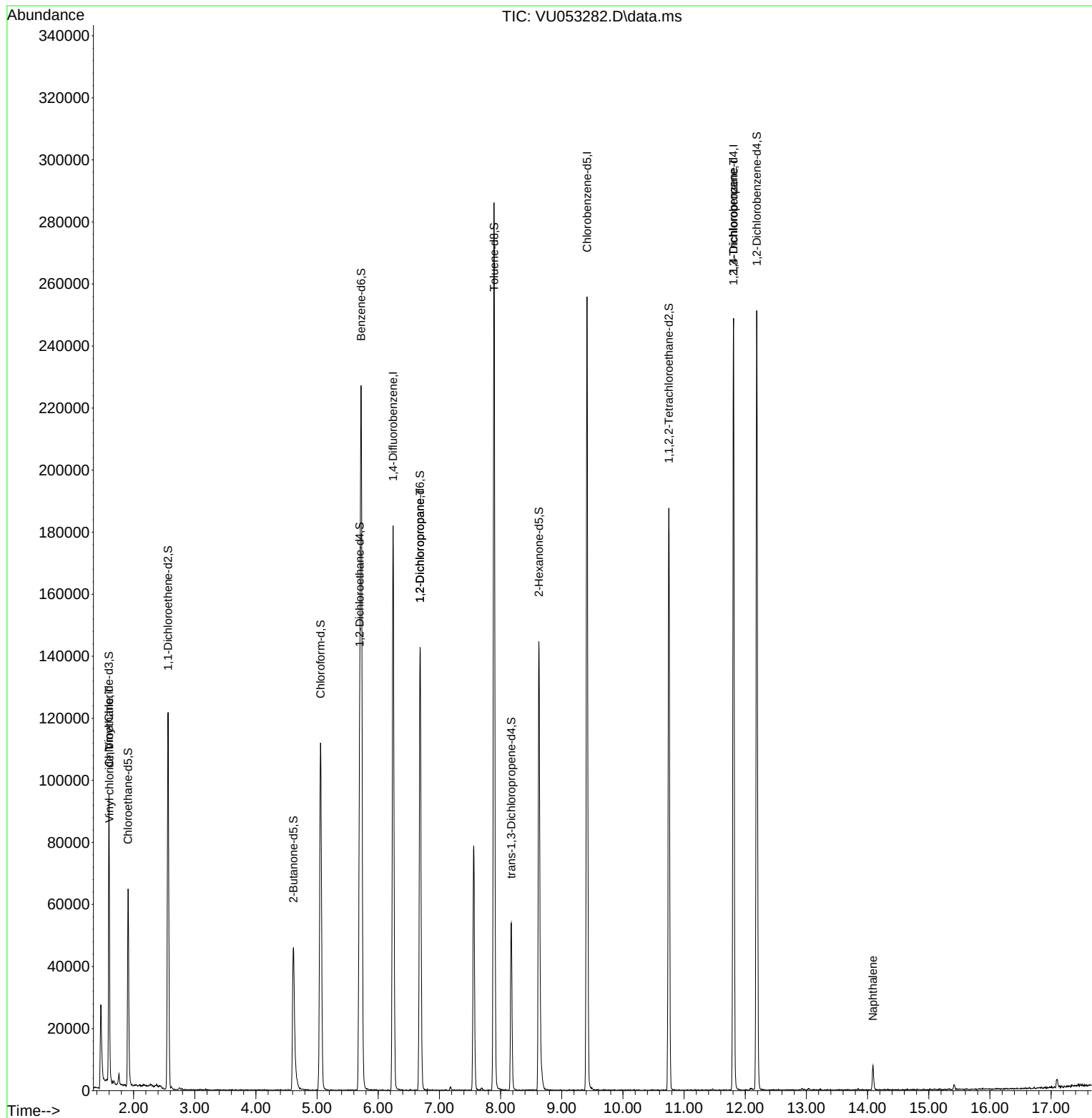
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.244          | 114  | 141133     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414          | 117  | 130078     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 58482      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 56216      | 43.176   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 86.360%  |        |          |
| 7) Chloroethane-d5            | 1.909          | 69   | 46840      | 44.475   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 88.940%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 70740      | 31.363   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 62.720%  |        |          |
| 21) 2-Butanone-d5             | 4.613          | 46   | 68369      | 113.215  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 113.210% |        |          |
| 24) Chloroform-d              | 5.057          | 84   | 98809      | 46.075   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.160%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.697          | 65   | 67086      | 50.371   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.740% |        |          |
| 32) Benzene-d6                | 5.719          | 84   | 207850     | 49.264   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.520%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.684          | 67   | 69117      | 50.758   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 101.520% |        |          |
| 41) Toluene-d8                | 7.893          | 98   | 188404     | 47.963   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.920%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.176          | 79   | 31631      | 47.081   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 94.160%  |        |          |
| 47) 2-Hexanone-d5             | 8.626          | 63   | 50015      | 117.484  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 117.480% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751         | 84   | 91873      | 52.083   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 104.160% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189         | 152  | 59603      | 52.635   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 105.280% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.604          | 62   | 7744       | 5.215    | ug/L # | 54       |
| 8) Chloroethane               | 1.601          | 64   | 3679       | 4.194    | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.684          | 63   | 7947       | 6.316    | ug/L # | 90       |
| 60) 1,2,3-Trichloropropane    | 11.806         | 75   | 8995       | 7.740    | ug/L # | 70       |
| 71) Naphthalene               | 14.089         | 128  | 6820       | 1.833    | ug/L   | 97       |
| -----                         |                |      |            |          |        |          |

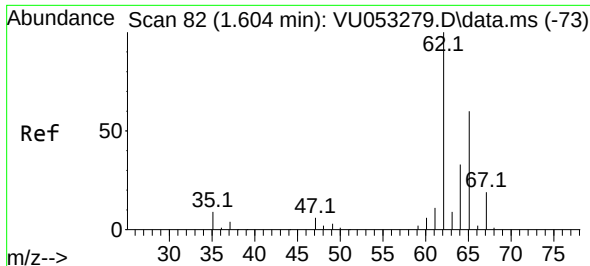
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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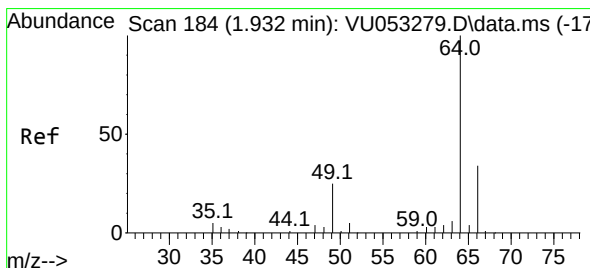
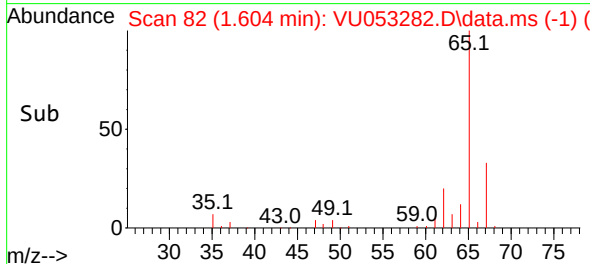
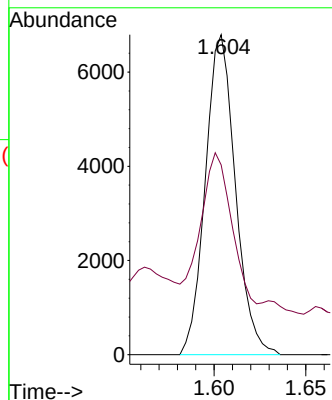
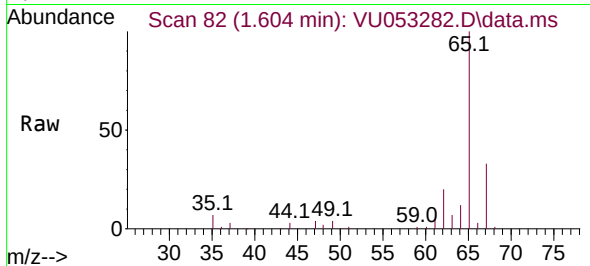




#5  
 Vinyl chloride  
 Concen: 5.215 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU053282.D  
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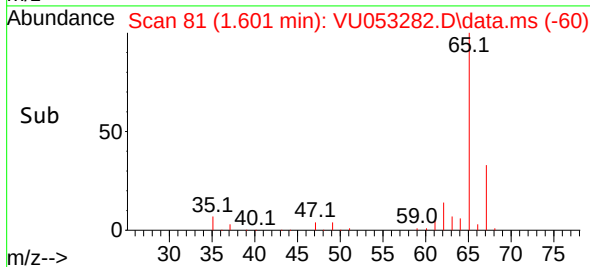
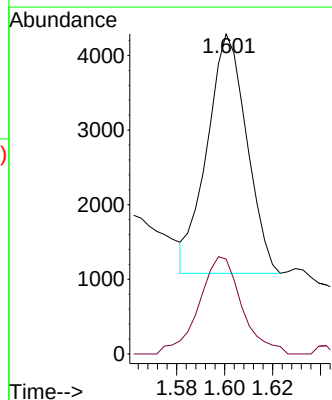
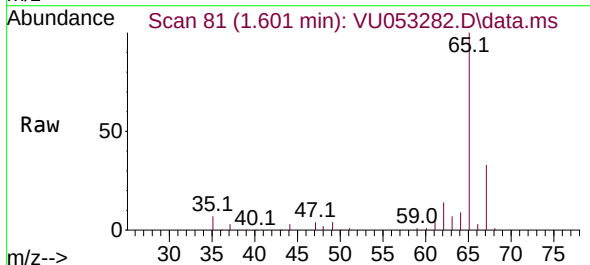
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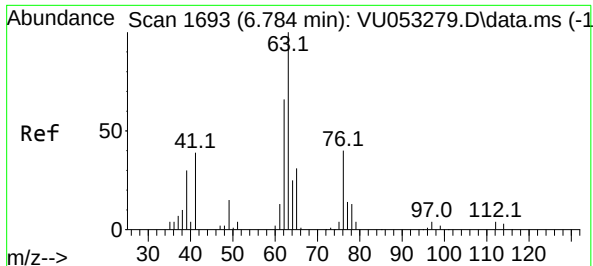
Tgt Ion: 62 Resp: 7744  
 Ion Ratio Lower Upper  
 62 100  
 64 59.3 23.2 43.0#



#8  
 Chloroethane  
 Concen: 4.194 ug/L  
 RT: 1.601 min Scan# 81  
 Delta R.T. -0.331 min  
 Lab File: VU053282.D  
 Acq: 17 Mar 2023 21:34

Tgt Ion: 64 Resp: 3679  
 Ion Ratio Lower Upper  
 64 100  
 66 29.6 22.6 42.0

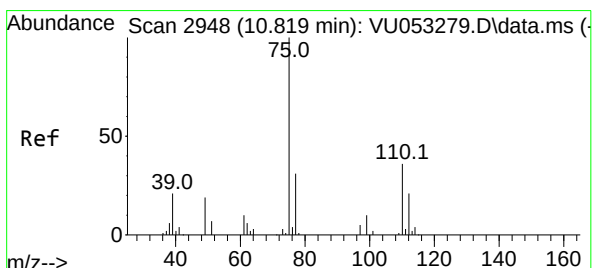
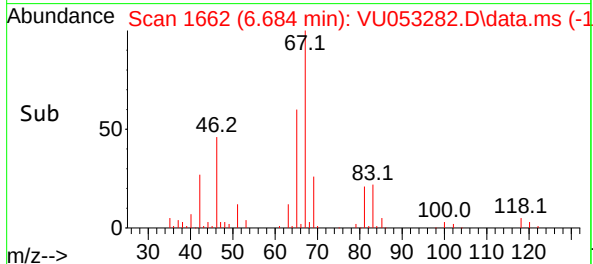
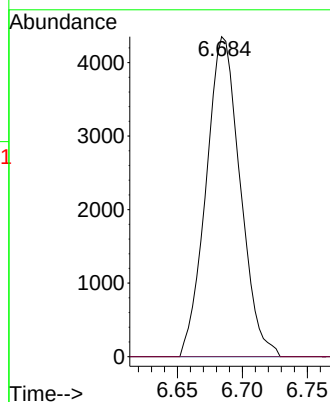
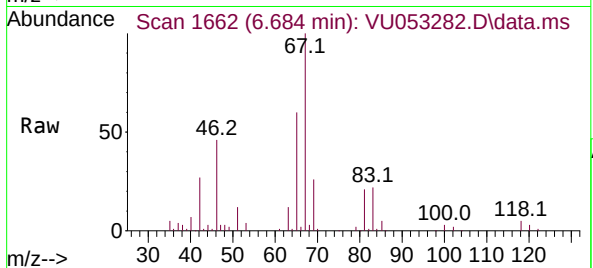




#37  
1,2-Dichloropropane  
Concen: 6.316 ug/L  
RT: 6.684 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU053282.D  
Acq: 17 Mar 2023 21:34

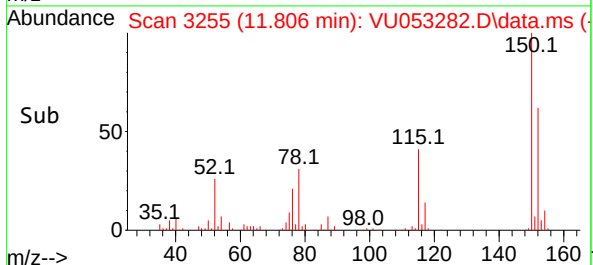
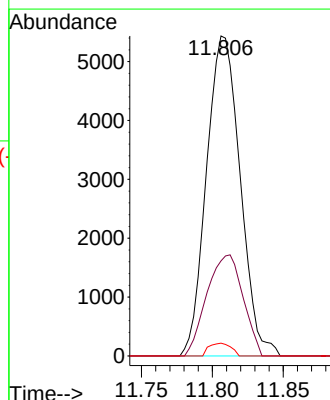
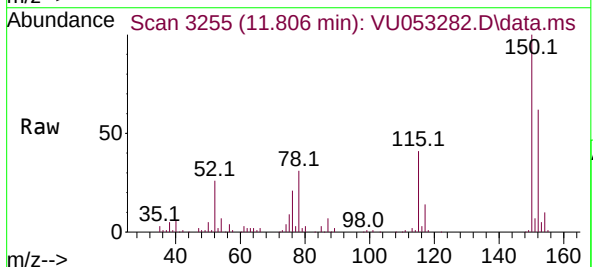
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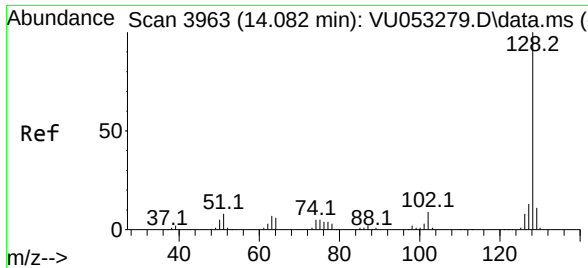
Tgt Ion: 63 Resp: 7947  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.6 3.8#



#60  
1,2,3-Trichloropropane  
Concen: 7.740 ug/L  
RT: 11.806 min Scan# 3255  
Delta R.T. 0.987 min  
Lab File: VU053282.D  
Acq: 17 Mar 2023 21:34

Tgt Ion: 75 Resp: 8995  
Ion Ratio Lower Upper  
75 100  
77 33.8 26.6 40.0  
110 2.6 28.6 42.8#





#71

Naphthalene

Concen: 1.833 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.006 min

Lab File: VU053282.D

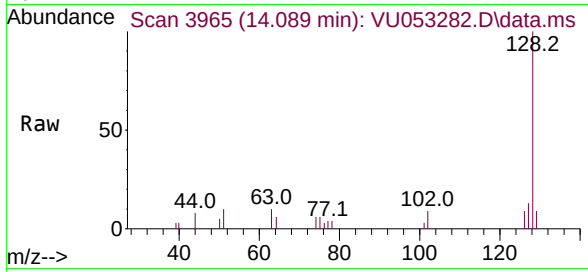
Acq: 17 Mar 2023 21:34

Instrument :

MSVOA\_U

ClientSampleId :

EYFG9



Tgt Ion:128 Resp: 6820

Ion Ratio Lower Upper

128 100

127 11.3 10.0 15.0

129 9.4 8.6 13.0

