

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040424\  
 Data File : VV034971.D  
 Acq On : 04 Apr 2024 12:22  
 Operator : SY/MD  
 Sample : P1965-09  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E07S0

Quant Time: Apr 04 21:35:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 04 21:33:57 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/05/2024  
 Supervised By :Semsettin Yesilyurt 04/05/2024

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 400857     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 392771     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 169363     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 147935     | 38.213  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 76.420% |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 142855     | 42.485  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 84.980% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 70568      | 41.584  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.160% |        |          |
| 21) 2-Butanone-d5             | 3.793          | 46   | 196513     | 85.590  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 85.590% |        |          |
| 24) Chloroform-d              | 4.246          | 84   | 283113     | 43.496  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.000% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.941          | 65   | 180505     | 43.680  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.360% |        |          |
| 32) Benzene-d6                | 4.957          | 84   | 566066     | 42.905  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.820% |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 184354     | 44.003  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 88.000% |        |          |
| 41) Toluene-d8                | 7.243          | 98   | 485414     | 40.854  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 81.700% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79   | 74872      | 36.761  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 73.520% |        |          |
| 47) 2-Hexanone-d5             | 8.027          | 63   | 108401     | 68.435  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 68.440% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 233850     | 40.533  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.060% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558         | 152  | 175252     | 46.088  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 92.180% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 13) Acetone                   | 2.130          | 43   | 9485m      | 4.500   | ug/L   |          |
| 25) Chloroform                | 4.278          | 83   | 35674      | 6.049   | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.442          | 83   | 6357       | 1.392   | ug/L   | 99       |
| -----                         |                |      |            |         |        |          |

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

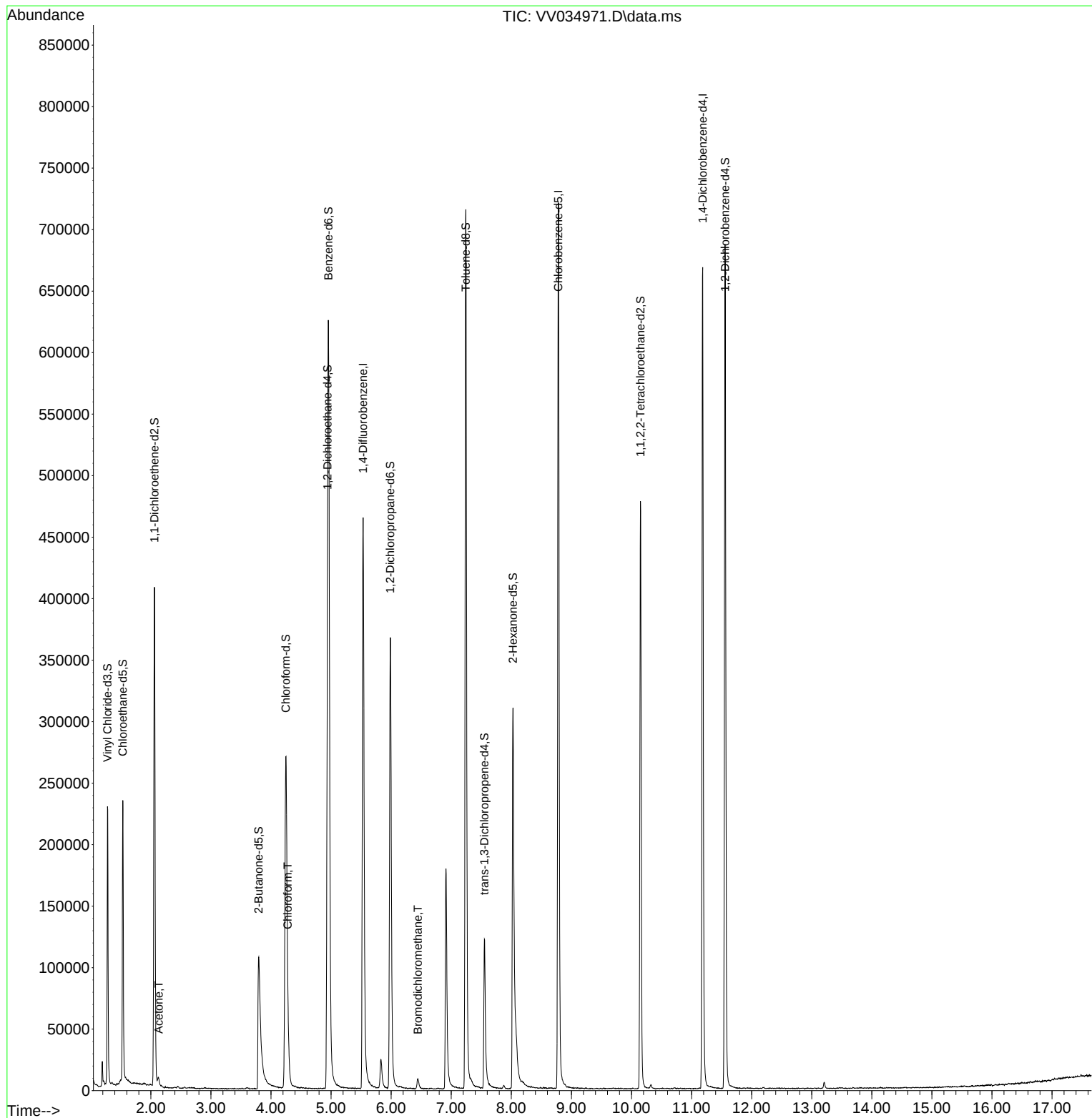
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040424\  
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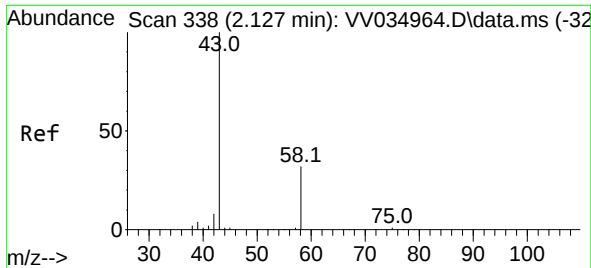
Instrument :  
MSVOA\_V  
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#13

Acetone

Concen: 4.500 ug/L m

RT: 2.130 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV034971.D

Acq: 04 Apr 2024 12:22

Instrument :

MSVOA\_V

ClientSampleId :

E07S0

Tgt Ion: 43 Resp: 948

Ion Ratio Lower Upper

43 100

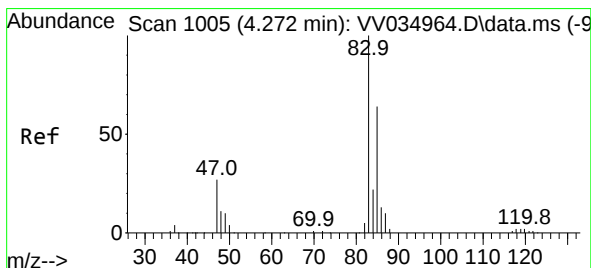
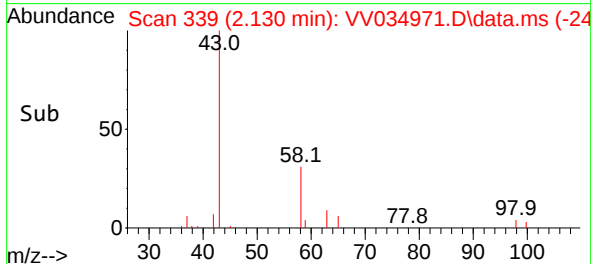
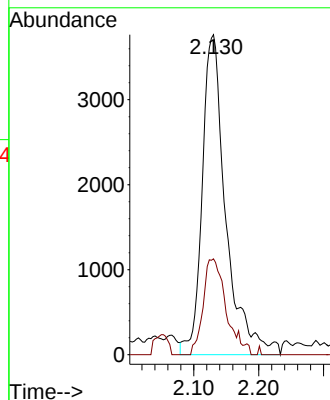
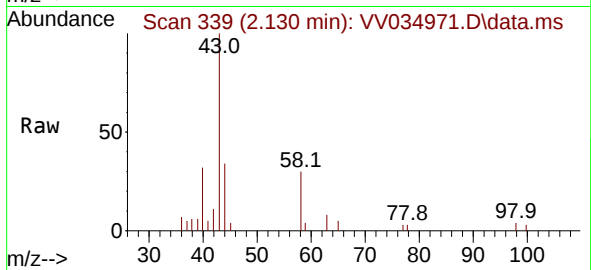
58 27.2 0.0 66.0

Manual Integrations

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#25

Chloroform

Concen: 6.049 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.006 min

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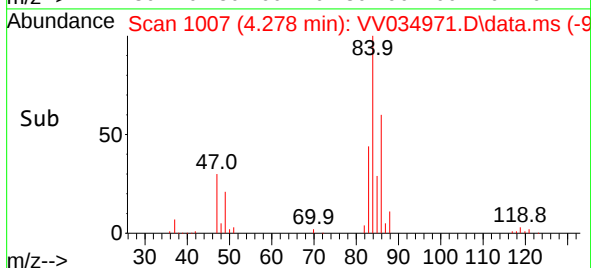
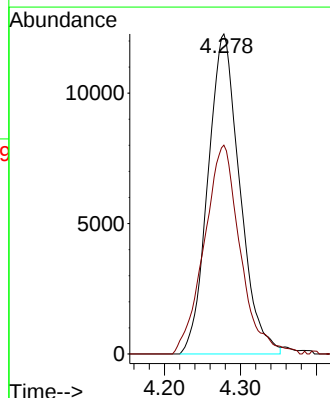
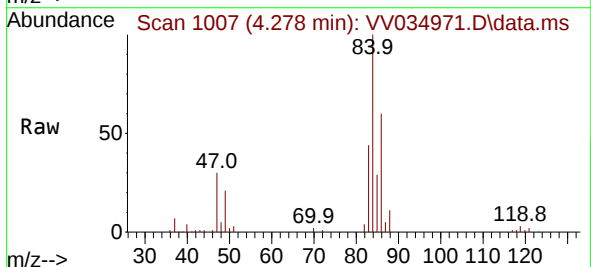
Acq: 04 Apr 2024 12:22

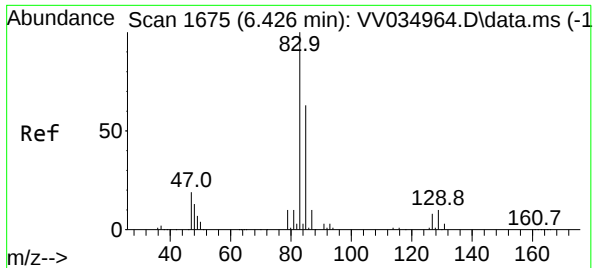
Tgt Ion: 83 Resp: 35674

Ion Ratio Lower Upper

83 100

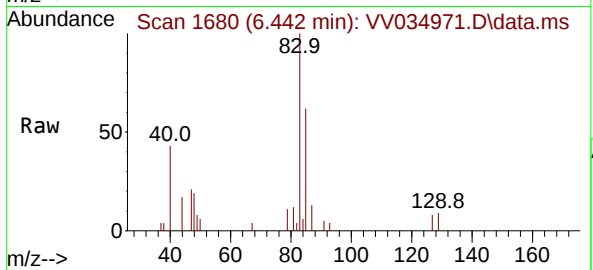
85 65.2 46.0 85.4





#38  
 Bromodichloromethane  
 Concen: 1.392 ug/L  
 RT: 6.442 min Scan# 1  
 Delta R.T. 0.016 min  
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 MSVOA\_V  
 ClientSampleId :  
 E07S0



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 635   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.0  | 43.7  | 81.1  |
| 127      | 8.1   | 6.4   | 9.6   |

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