

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060723\  
 Data File : VW031425.D  
 Acq On : 08 Jun 2023 02:18  
 Operator : SY/MD  
 Sample : 03077-02  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0FA6

Quant Time: Jun 08 05:47:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM060723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 08 05:16:53 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 06/08/2023  
 Supervised By : Mahesh Dadoda 06/08/2023

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.538          | 114  | 250153     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.789          | 117  | 257402     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191         | 152  | 123516     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 88045      | 40.003   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 80.000%  |       |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 76011      | 42.657   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 85.320%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 44422      | 42.586   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 85.180%  |       |          |
| 21) 2-Butanone-d5             | 3.793          | 46   | 141121     | 88.722   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 88.720%  |       |          |
| 24) Chloroform-d              | 4.256          | 84   | 186489     | 44.545   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.080%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.947          | 65   | 132237     | 47.084   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.160%  |       |          |
| 32) Benzene-d6                | 4.966          | 84   | 328263     | 43.195   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.400%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 117094     | 44.328   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 88.660%  |       |          |
| 41) Toluene-d8                | 7.249          | 98   | 289124     | 41.415   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 82.840%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 51987      | 39.070   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 78.140%  |       |          |
| 47) 2-Hexanone-d5             | 8.030          | 63   | 73336      | 73.712   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 73.710%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 138183     | 41.451   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 82.900%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567         | 152  | 114639     | 50.033   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 100.060% |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.069          | 96   | 10418      | 10.439   | ug/L  | # 1      |
| 20) cis-1,2-Dichloroethene    | 3.825          | 96   | 11169      | 7.261    | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.519          | 97   | 4635       | 1.525    | ug/L  | 96       |
| 34) Trichloroethene           | 5.844          | 95   | 4350m      | 2.431    | ug/L  |          |
| -----                         |                |      |            |          |       |          |

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

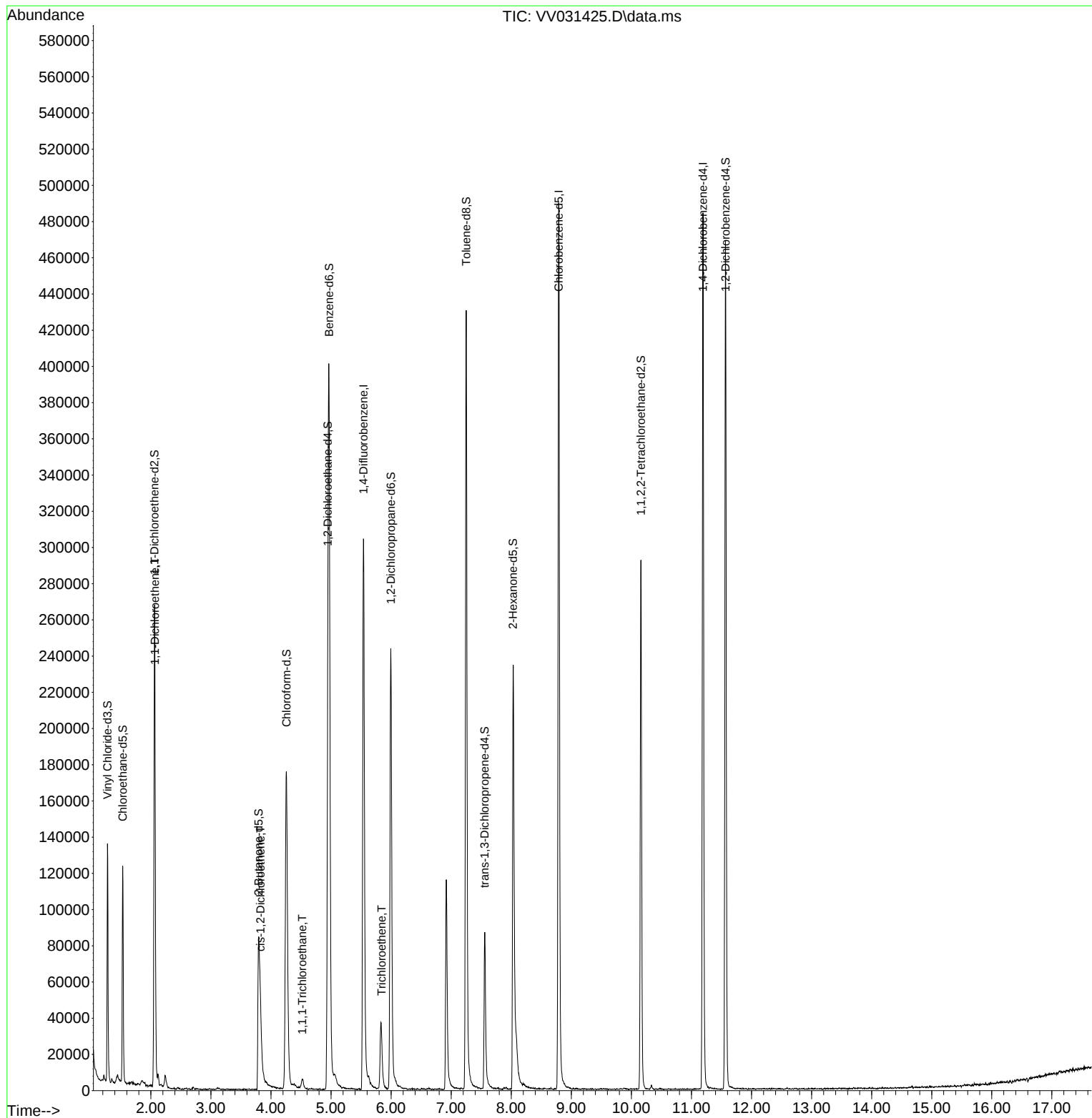
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060723\  
Data File : VV031425.D  
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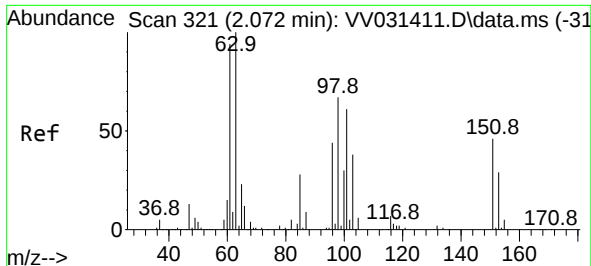
Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM060723WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 08 05:16:53 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 10.439 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031425.D

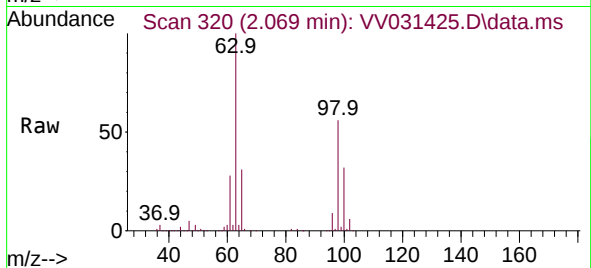
Acq: 08 Jun 2023 02:18

Instrument :

MSVOA\_V

ClientSampleId :

C0FA6



Tgt Ion: 96 Resp: 10418

Ion Ratio Lower Upper

96 100

61 292.7 143.9 267.3

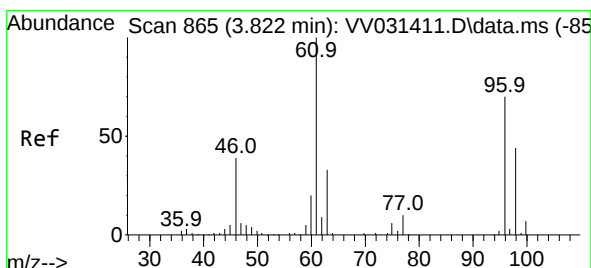
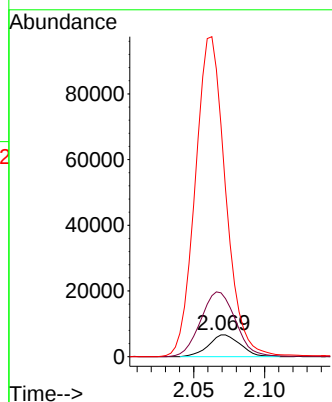
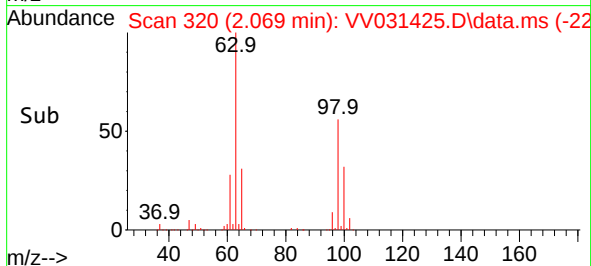
63 1061.5 158.3 293.9

Manual Integrations

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#20

cis-1,2-Dichloroethene

Concen: 7.261 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031425.D

Acq: 08 Jun 2023 02:18

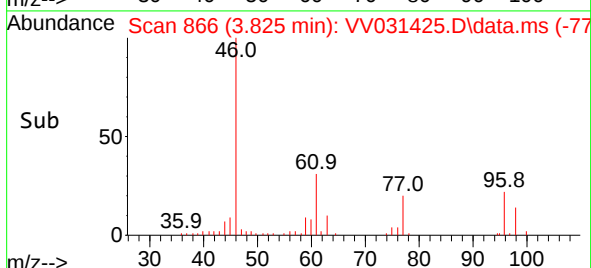
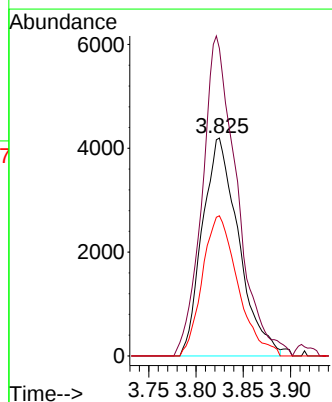
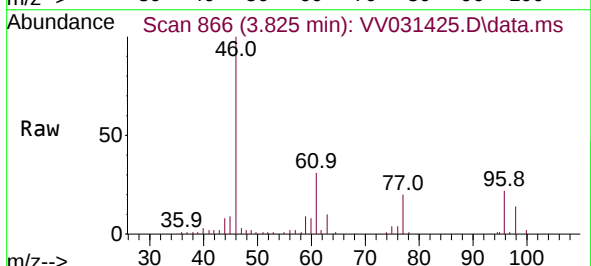
Tgt Ion: 96 Resp: 11169

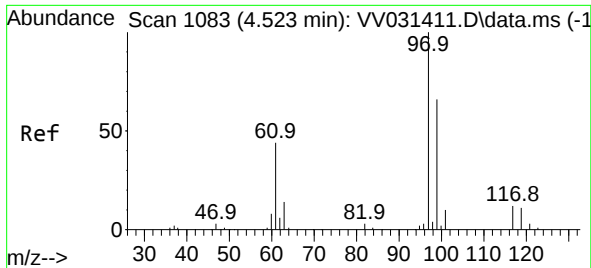
Ion Ratio Lower Upper

96 100

61 141.1 101.6 188.6

98 64.3 44.4 82.4





#30

1,1,1-Trichloroethane

Concen: 1.525 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV031425.D

Acq: 08 Jun 2023 02:18

Instrument :

MSVOA\_V

ClientSampleId :

C0FA6

Tgt Ion: 97 Resp: 463

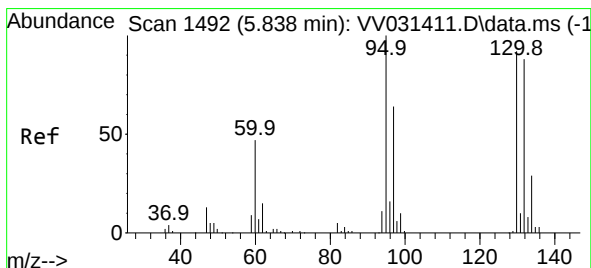
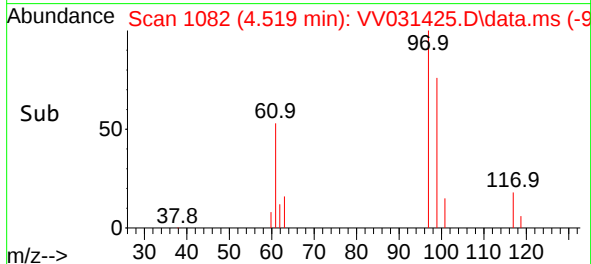
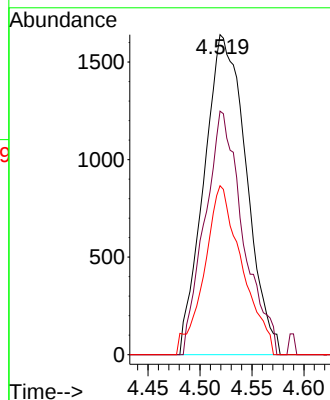
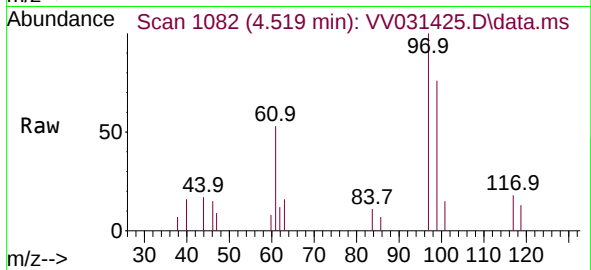
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 69.0  | 51.9  | 77.9  |
| 61  | 46.2  | 36.1  | 54.1  |

Manual Integrations

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#34

Trichloroethene

Concen: 2.431 ug/L m

RT: 5.844 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VV031425.D

Acq: 08 Jun 2023 02:18

Tgt Ion: 95 Resp: 4350

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.6  | 44.2  | 82.0  |
| 132 | 106.0 | 64.2  | 119.2 |
| 130 | 98.1  | 66.7  | 123.9 |

