

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100622\  
 Data File : VU051168.D  
 Acq On : 06 Oct 2022 13:47  
 Operator : JC/MD  
 Sample : N4893-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F5J39

Quant Time: Oct 07 01:31:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 07 01:29:24 2022  
 Response via : Initial Calibration

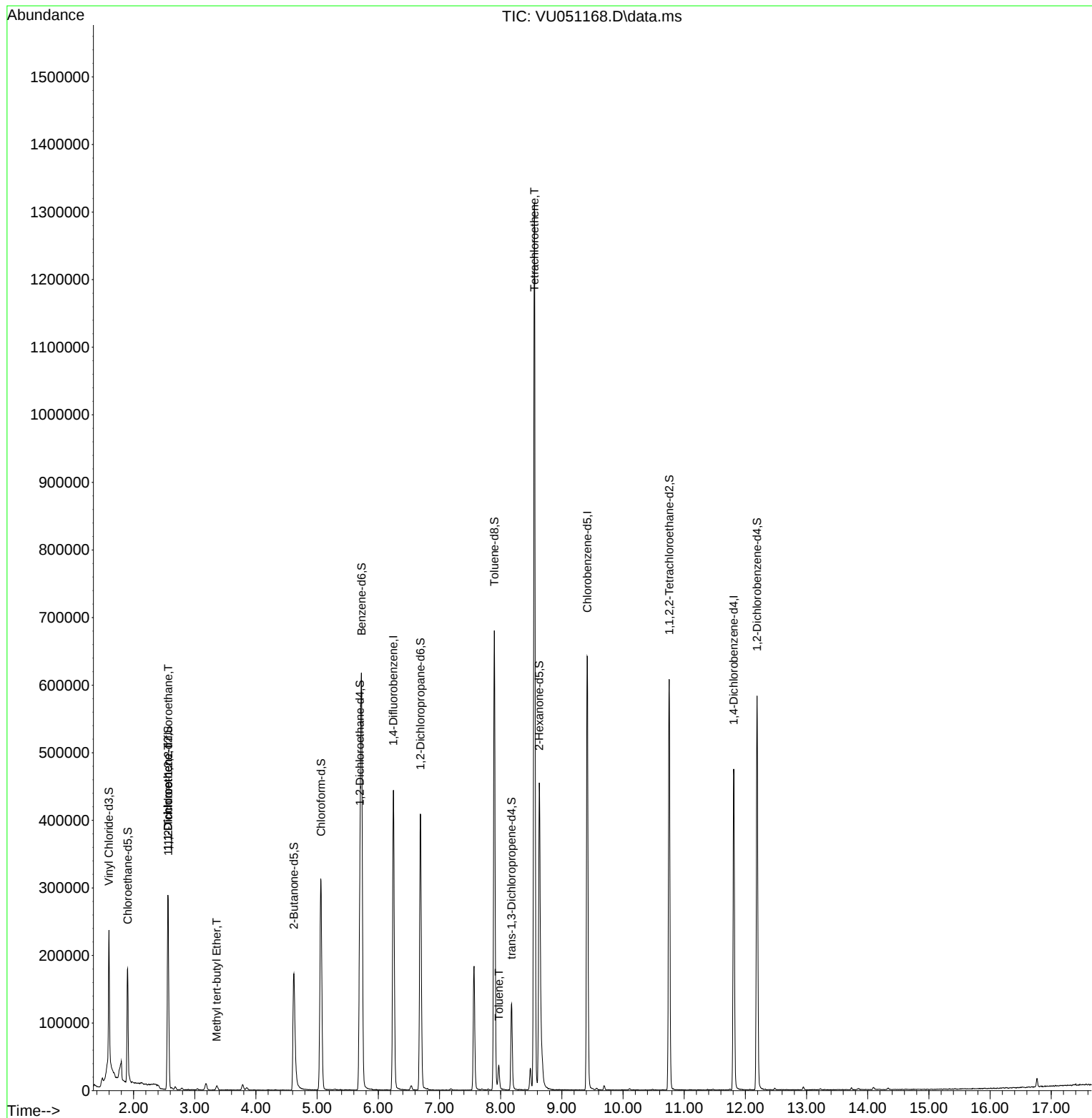
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247          | 114  | 355156     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 365082     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 124964     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 134590     | 37.393   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 74.780%  |        |          |
| 7) Chloroethane-d5            | 1.903          | 69   | 130884     | 39.146   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 78.300%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 174207     | 32.766   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 65.540%  |        |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 246536     | 105.607  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 105.610% |        |          |
| 24) Chloroform-d              | 5.063          | 84   | 297116     | 51.236   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 102.480% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 195132     | 54.364   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 108.720% |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 576068     | 53.884   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 107.760% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 202264     | 58.304   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 116.600% |        |          |
| 41) Toluene-d8                | 7.896          | 98   | 460386     | 46.609   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.220%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 71421      | 43.163   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 86.320%  |        |          |
| 47) 2-Hexanone-d5             | 8.629          | 63   | 134704     | 96.164   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 96.160%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754         | 84   | 313543     | 51.715   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 103.420% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 154947     | 58.042   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 116.080% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565          | 101  | 2027       | 0.748    | ug/L # | 31       |
| 12) 1,1-Dichloroethene        | 2.562          | 96   | 1503       | 0.593    | ug/L # | 1        |
| 18) Methyl tert-butyl Ether   | 3.359          | 73   | 5226       | 0.638    | ug/L   | 96       |
| 42) Toluene                   | 7.970          | 91   | 24017      | 2.029    | ug/L   | 98       |
| 46) Tetrachloroethene         | 8.552          | 164  | 289952     | 132.720  | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

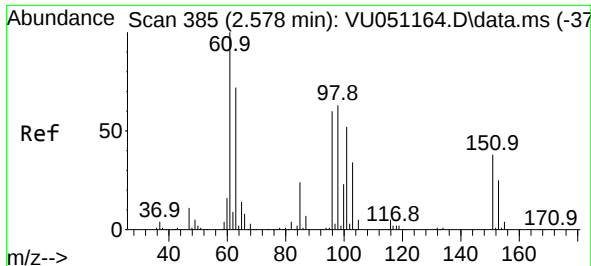
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Oct 07 01:29:24 2022  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.748 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU051168.D

Acq: 06 Oct 2022 13:47

Instrument :

MSVOA\_U

ClientSampleId :

F5J39

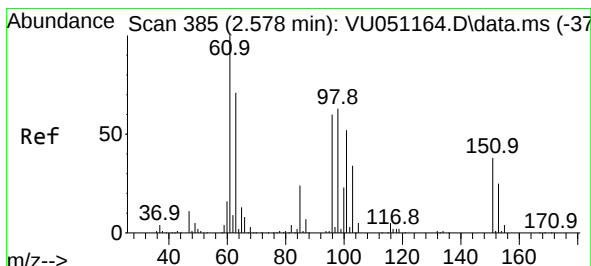
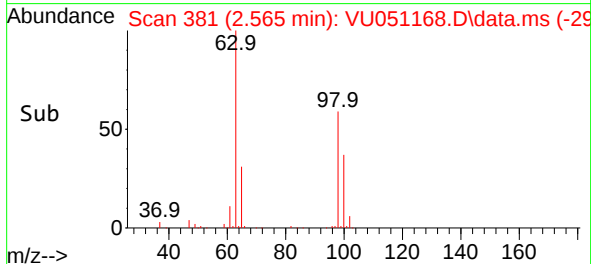
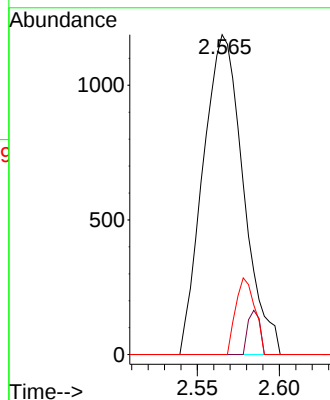
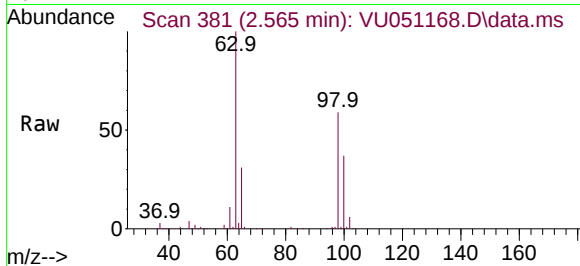
Tgt Ion:101 Resp: 2027

Ion Ratio Lower Upper

101 100

85 4.0 34.6 52.0#

151 11.3 58.6 87.8#



#12

1,1-Dichloroethene

Concen: 0.593 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU051168.D

Acq: 06 Oct 2022 13:47

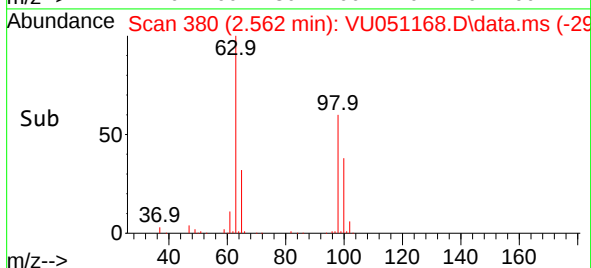
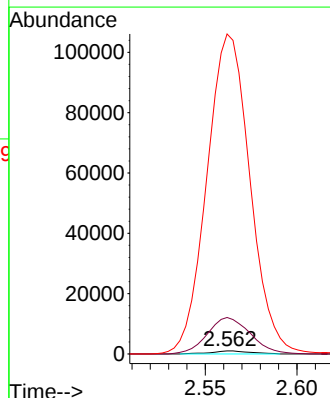
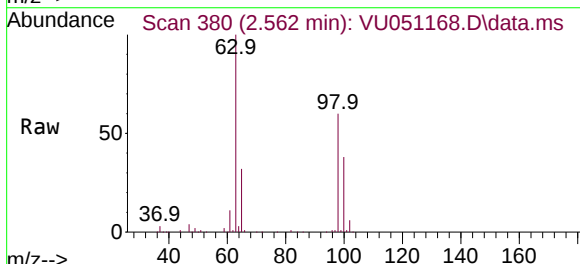
Tgt Ion: 96 Resp: 1503

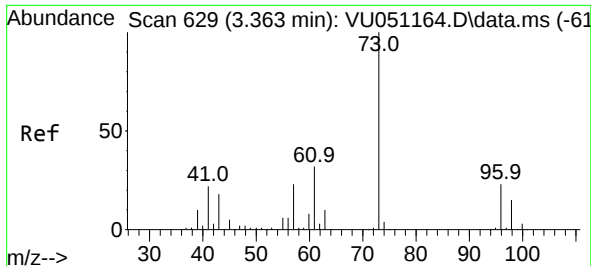
Ion Ratio Lower Upper

96 100

61 1206.5 113.0 209.9#

63 10588.4 91.7 170.3#

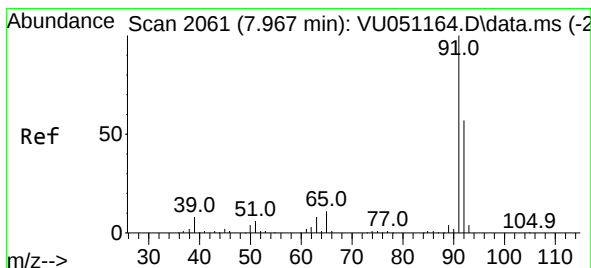
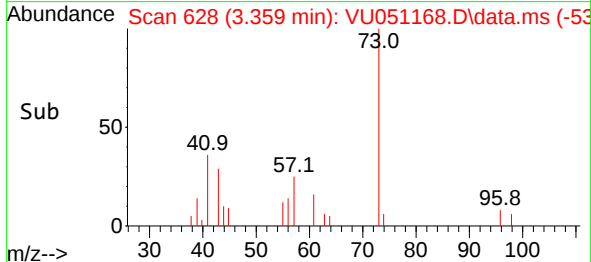
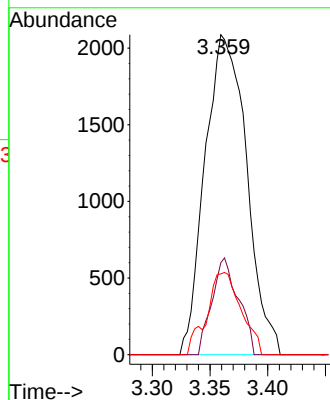
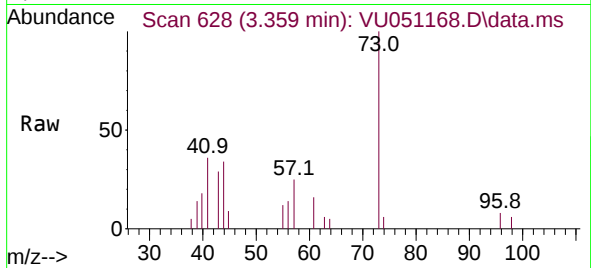




#18  
Methyl tert-butyl Ether  
Concen: 0.638 ug/L  
RT: 3.359 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU051168.D  
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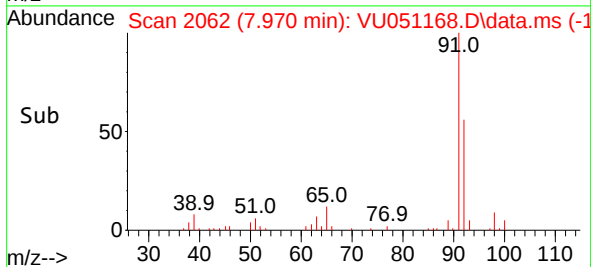
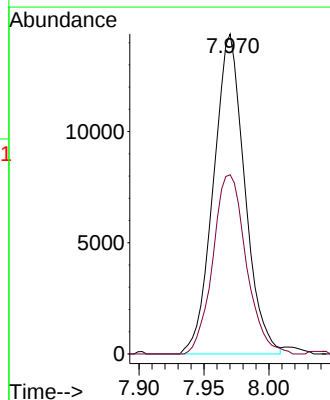
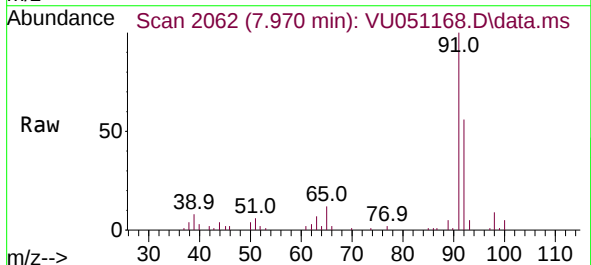
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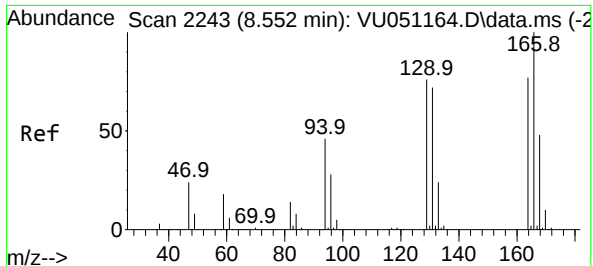
Tgt Ion: 73 Resp: 5226  
Ion Ratio Lower Upper  
73 100  
43 19.3 14.7 22.1  
57 18.9 17.5 26.3



#42  
Toluene  
Concen: 2.029 ug/L  
RT: 7.970 min Scan# 2062  
Delta R.T. 0.003 min  
Lab File: VU051168.D  
Acq: 06 Oct 2022 13:47

Tgt Ion: 91 Resp: 24017  
Ion Ratio Lower Upper  
91 100  
92 56.0 40.1 74.5





#46  
Tetrachloroethene  
Concen: 132.720 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU051168.D  
Acq: 06 Oct 2022 13:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
F5J39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 289952 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 98.1  | 68.1  | 126.5  |
| 131      | 94.9  | 67.8  | 126.0  |
| 166      | 126.6 | 90.5  | 168.1  |

