

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV012021\  
 Data File : VV020098.D  
 Acq On : 21 Jan 2021 00:02  
 Operator : SY/MD  
 Sample : M1181-12  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F1E51

Manual Integrations  
 APPROVED

MMDadoda  
 1/22/2021 5:05:18 PM

Quant Time: Jan 21 01:08:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM012021WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 20 23:39:20 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.624          | 114  | 437701     | 50.00   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.859          | 117  | 427871     | 50.00   | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.257         | 152  | 212268     | 50.00   | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.309          | 65   | 142794     | 52.00   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 104.00% |       |          |
| 7) Chloroethane-d5            | 1.569          | 69   | 102866     | 48.60   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 97.20%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.110          | 63   | 200654     | 36.58   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 73.16%  |       |          |
| 21) 2-Butanone-d5             | 3.881          | 46   | 196505     | 102.69  | ug/L  | -0.01    |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 102.69% |       |          |
| 24) Chloroform-d              | 4.354          | 84   | 280583     | 45.76   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.52%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.039          | 65   | 195061     | 47.51   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.02%  |       |          |
| 32) Benzene-d6                | 5.055          | 84   | 572993     | 50.65   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.30% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.074          | 67   | 173002     | 52.33   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 104.66% |       |          |
| 41) Toluene-d8                | 7.322          | 98   | 510214     | 47.92   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.84%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.627          | 79   | 78919      | 42.64   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 85.28%  |       |          |
| 47) 2-Hexanone-d5             | 8.093          | 63   | 121917     | 89.30   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 89.30%  |       |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.222         | 84   | 221003     | 47.53   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 95.06%  |       |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.633         | 152  | 216759     | 52.17   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 104.34% |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 20) cis-1,2-Dichloroethene    | 3.913          | 96   | 8403m      | 2.68    | ug/L  |          |
| 34) Trichloroethene           | 5.926          | 95   | 3839       | 1.09    | ug/L  | 90       |
| 46) Tetrachloroethene         | 7.981          | 164  | 31944      | 11.47   | ug/L  | 95       |
| 48) 2-Hexanone                | 8.151          | 43   | 9939m      | 3.21    | ug/L  |          |
| -----                         |                |      |            |         |       |          |

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

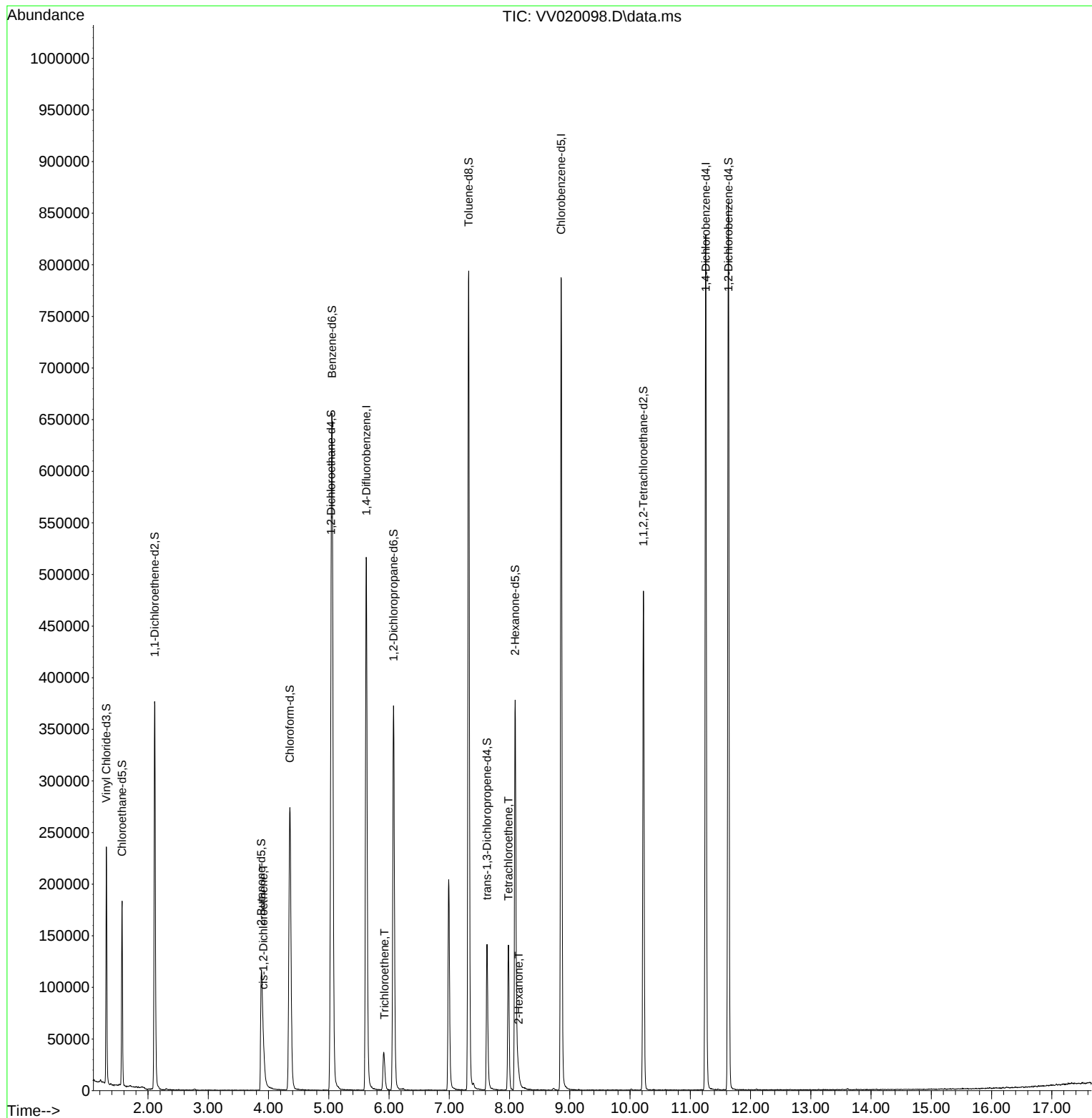
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV012021\  
Data File : VV020098.D  
Acq On : 21 Jan 2021 00:02  
Operator : SY/MD  
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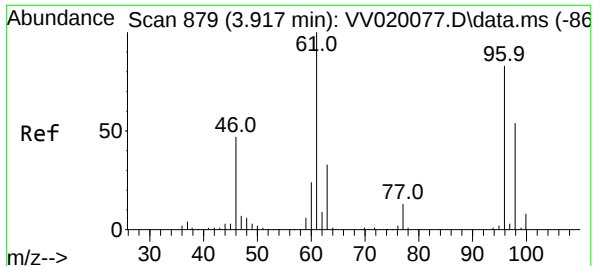
Instrument :  
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ClientSampleId :  
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Quant Time: Jan 21 01:08:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM012021WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jan 20 23:39:20 2021  
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 2.68 ug/L m

RT: 3.913 min Scan# 878

Delta R.T. -0.003 min

Lab File: VV020098.D

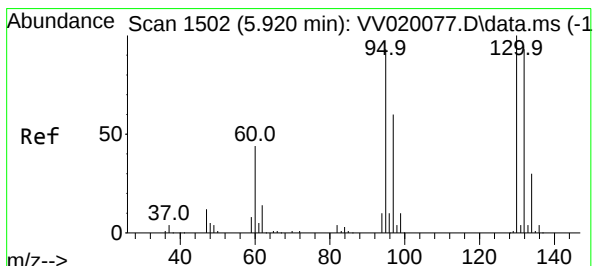
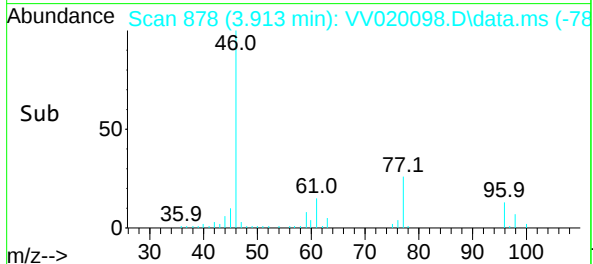
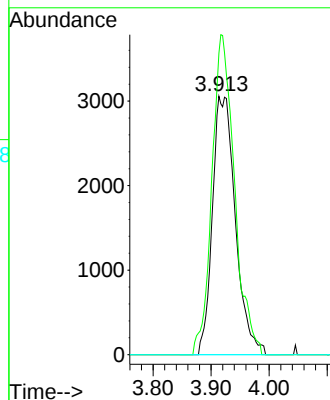
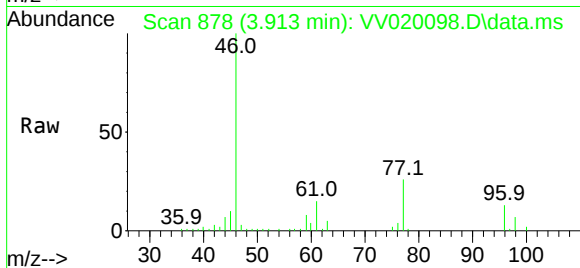
Acq: 21 Jan 2021 00:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 8403  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 116.7 | 96.9  | 179.9 |
| 68       | 0.0   | 0.0   | 0.0   |

Instrument :  
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ClientSampled :  
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#34

Trichloroethene

Concen: 1.09 ug/L

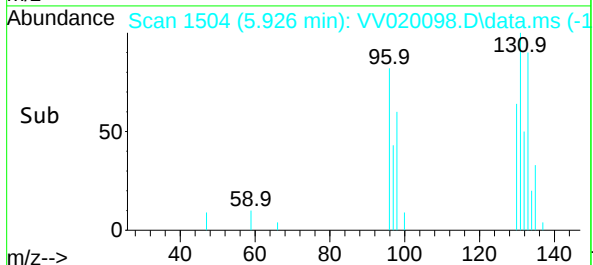
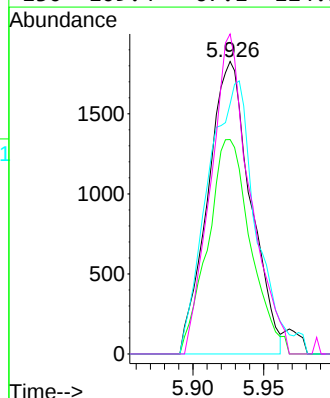
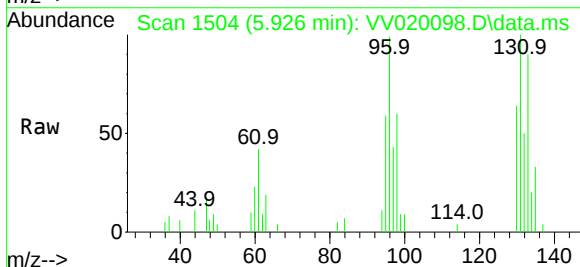
RT: 5.926 min Scan# 1504

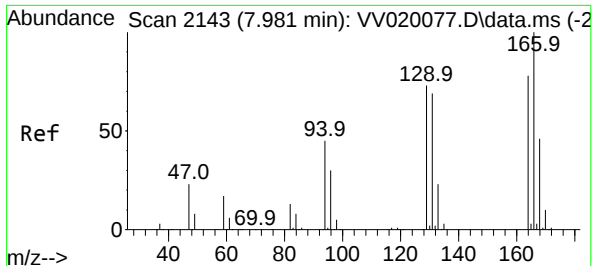
Delta R.T. 0.007 min

Lab File: VV020098.D

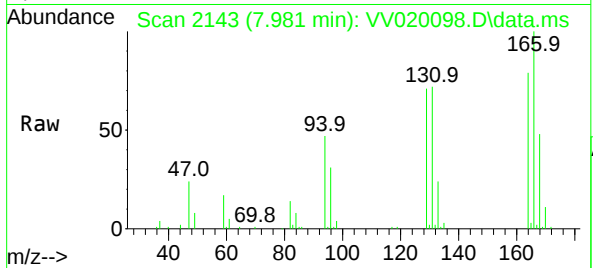
Acq: 21 Jan 2021 00:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 3839  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 73.3  | 44.5  | 82.7  |
| 132      | 85.5  | 63.4  | 117.8 |
| 130      | 109.4 | 67.1  | 124.5 |

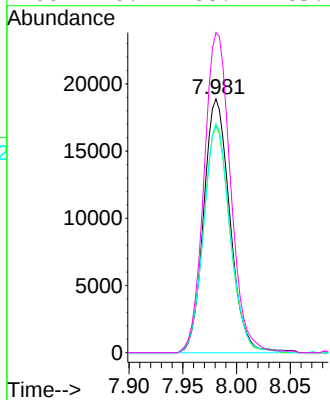
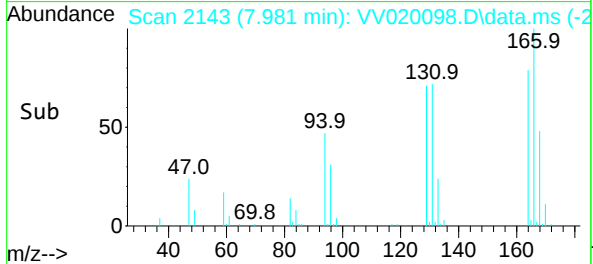




#46  
Tetrachloroethene  
Concen: 11.47 ug/L  
RT: 7.981 min Scan# 2143  
Delta R.T. 0.000 min  
Lab File: VV020098.D  
Acq: 21 Jan 2021 00:02



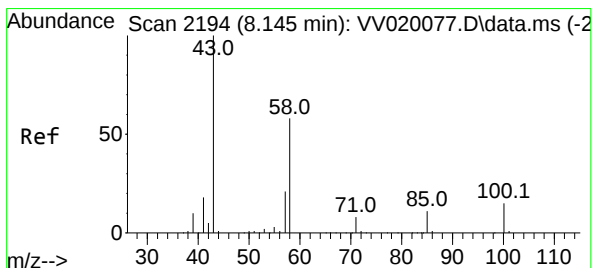
Tgt Ion:164 Resp: 31944  
Ion Ratio Lower Upper  
164 100  
129 89.2 70.6 131.0  
131 90.3 66.8 124.0  
166 126.2 88.2 163.8



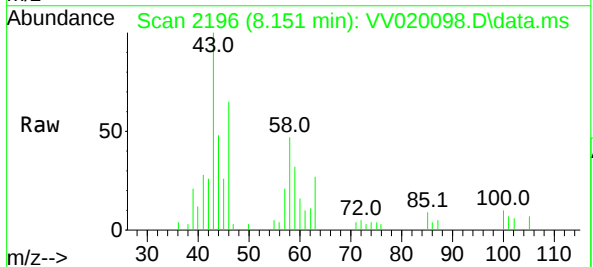
Instrument :  
MSVOA\_V  
ClientSampled :  
F1E51

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#48  
2-Hexanone  
Concen: 3.21 ug/L m  
RT: 8.151 min Scan# 2196  
Delta R.T. 0.007 min  
Lab File: VV020098.D  
Acq: 21 Jan 2021 00:02



Tgt Ion: 43 Resp: 9939  
Ion Ratio Lower Upper  
43 100  
58 60.2 41.8 62.6  
57 43.9 15.0 22.4#  
100 1.3 8.9 13.3#

