

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040521\  
 Data File : VV020918.D  
 Acq On : 05 Apr 2021 16:32  
 Operator : SY/MD  
 Sample : M1879-09MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW1A5MSD

Quant Time: Apr 06 06:24:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 06 06:22:01 2021  
 Response via : Initial Calibration

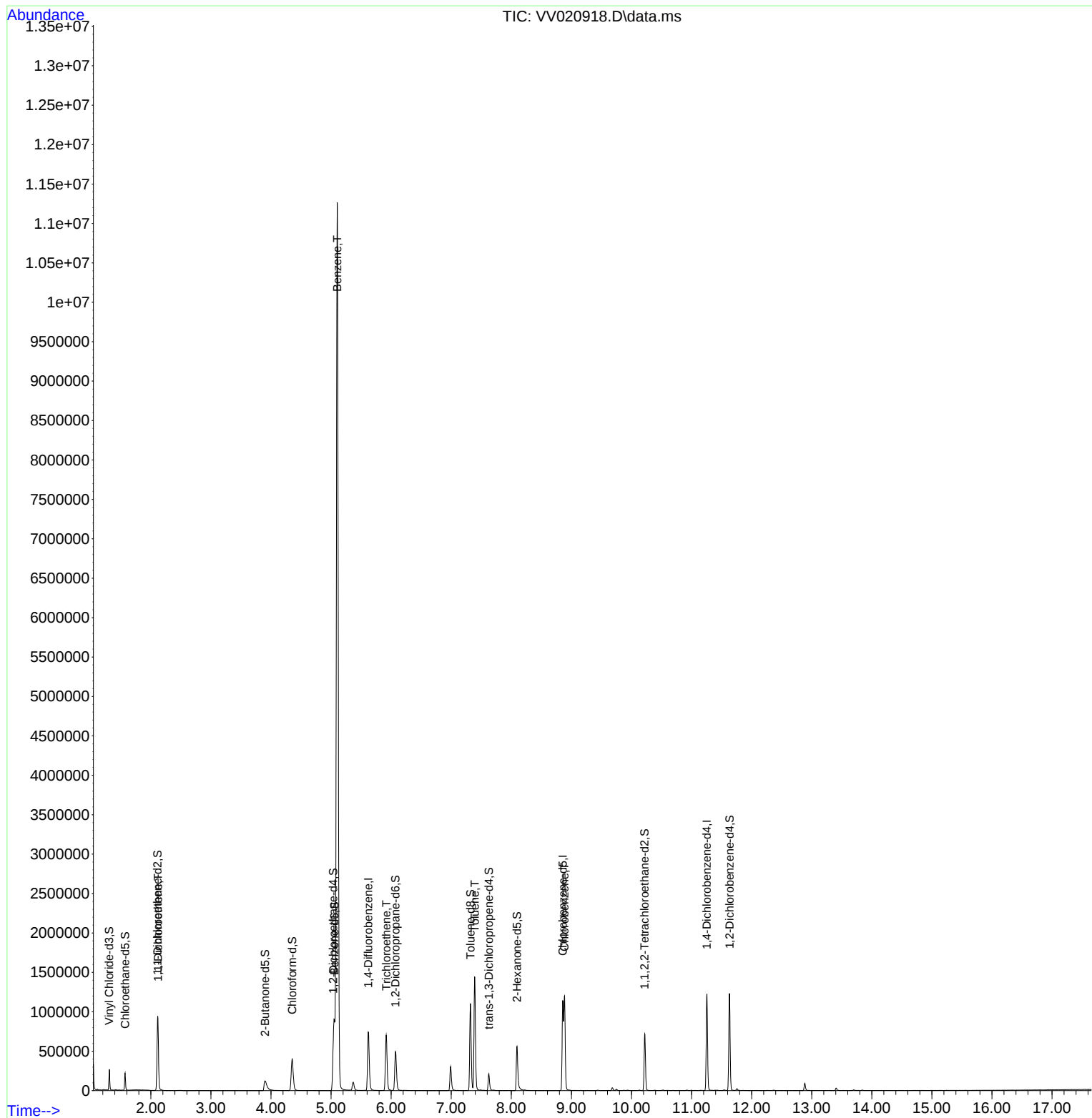
| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 647304     | 50.00   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.857          | 117  | 610499     | 50.00   | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255         | 152  | 328116     | 50.00   | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 159077     | 34.62   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 69.24%  |       |          |
| 7) Chloroethane-d5            | 1.571          | 69   | 130764     | 37.64   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 75.28%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.111          | 63   | 353175     | 40.73   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 81.46%  |       |          |
| 21) 2-Butanone-d5             | 3.899          | 46   | 251727     | 84.20   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 84.20%  |       |          |
| 24) Chloroform-d              | 4.352          | 84   | 410197     | 44.91   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.82%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.037          | 65   | 280916     | 46.69   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.38%  |       |          |
| 32) Benzene-d6                | 5.053          | 84   | 752978     | 46.27   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.54%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 221611     | 44.36   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 88.72%  |       |          |
| 41) Toluene-d8                | 7.320          | 98   | 730255     | 48.21   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.42%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 125384     | 47.17   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 94.34%  |       |          |
| 47) 2-Hexanone-d5             | 8.095          | 63   | 198260     | 94.65   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 94.65%  |       |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220         | 84   | 312372     | 42.92   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 85.84%  |       |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.631         | 152  | 320411     | 50.32   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 100.64% |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.121          | 96   | 188020     | 49.77   | ug/L  | 76       |
| 33) Benzene                   | 5.101          | 78   | 11213528   | 665.95  | ug/L  | 100      |
| 34) Trichloroethene           | 5.918          | 95   | 237069     | 51.36   | ug/L  | 96       |
| 42) Toluene                   | 7.390          | 91   | 1045629    | 57.13   | ug/L  | 99       |
| 51) Chlorobenzene             | 8.886          | 112  | 634718     | 51.66   | ug/L  | 97       |
| -----                         |                |      |            |         |       |          |

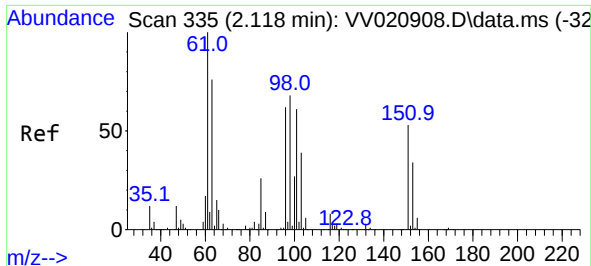
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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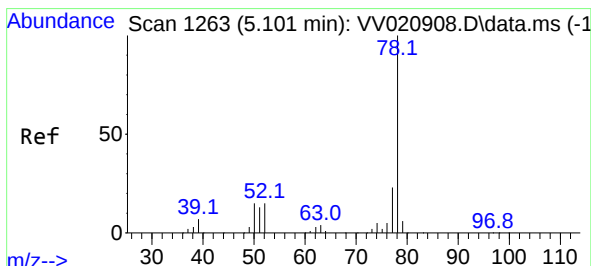
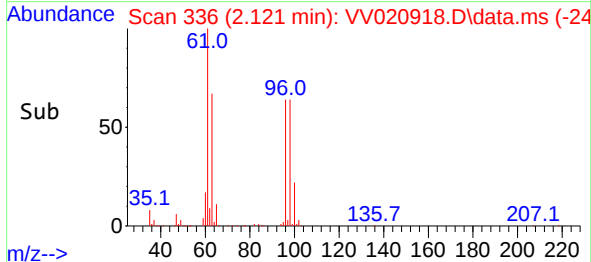
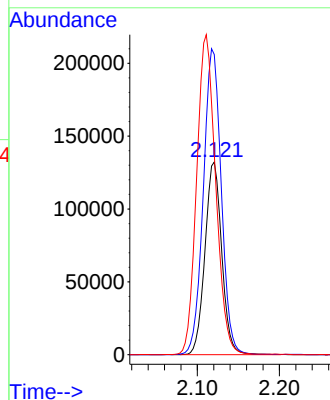
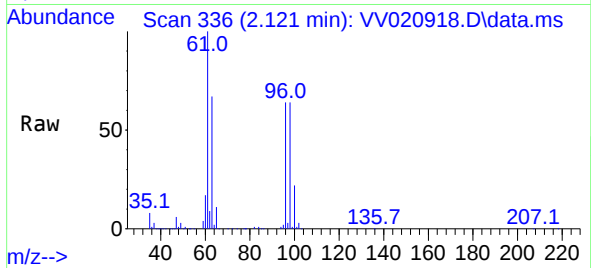




#12  
1,1-Dichloroethene  
Concen: 49.77 ug/L  
RT: 2.121 min Scan# 336  
Delta R.T. 0.003 min  
Lab File: VV020918.D  
Acq: 05 Apr 2021 16:32

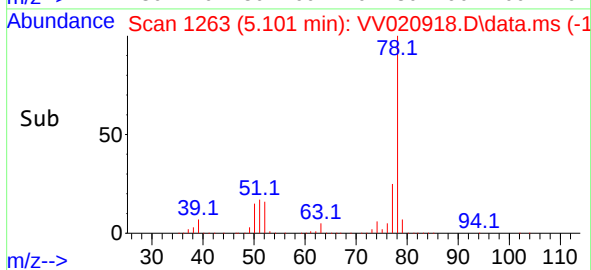
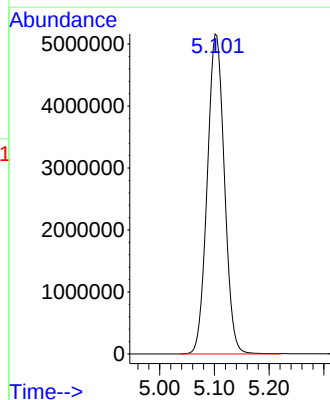
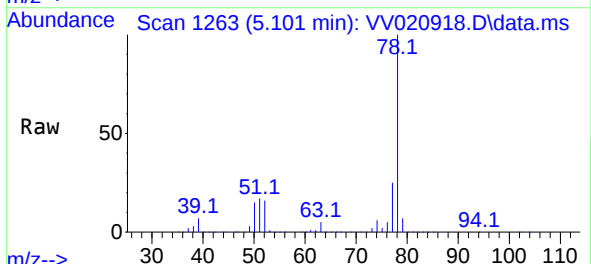
Instrument :  
MSVOA\_V  
ClientSampleId :  
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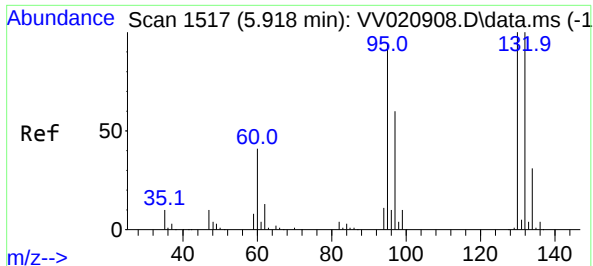
Tgt Ion: 96 Resp: 188020  
Ion Ratio Lower Upper  
96 100  
61 155.7 126.3 234.6  
63 104.3 100.2 186.2



#33  
Benzene  
Concen: 665.95 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. -0.000 min  
Lab File: VV020918.D  
Acq: 05 Apr 2021 16:32

Tgt Ion: 78 Resp:11213528

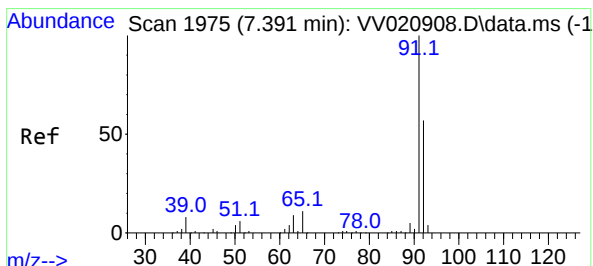
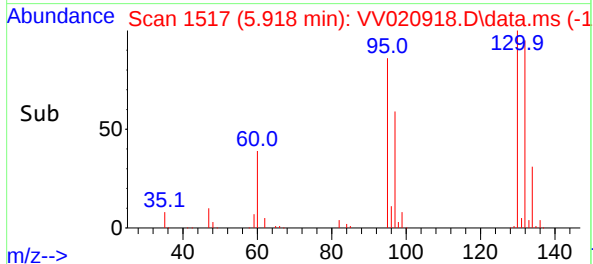
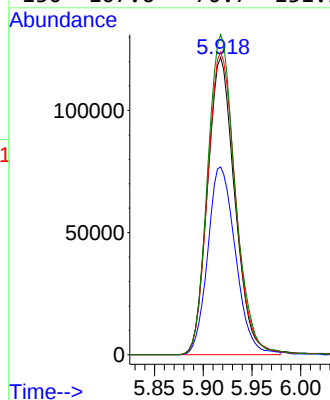
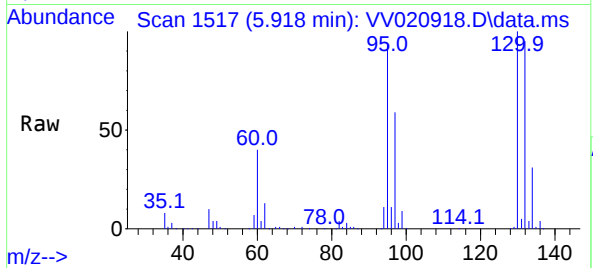




#34  
Trichloroethene  
Concen: 51.36 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: VV020918.D  
Acq: 05 Apr 2021 16:32

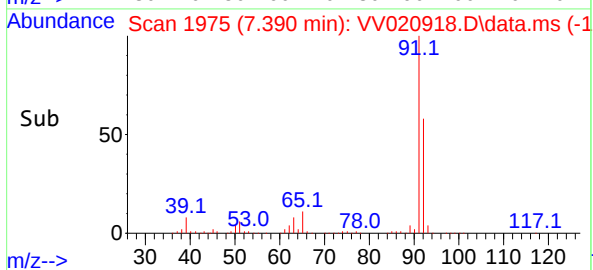
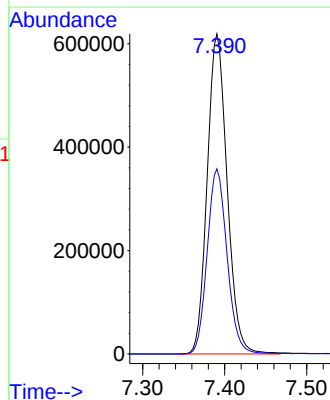
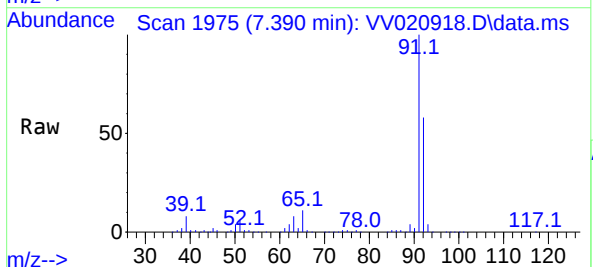
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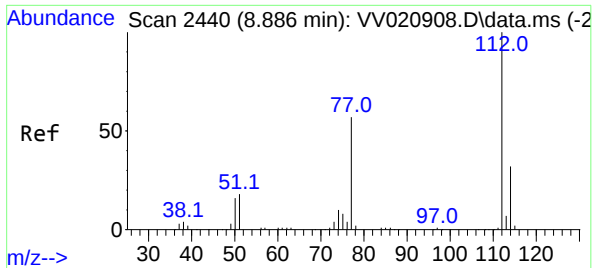
Tgt Ion: 95 Resp: 237069  
Ion Ratio Lower Upper  
95 100  
97 63.1 43.5 80.9  
132 101.8 69.5 129.1  
130 107.6 70.7 131.3



#42  
Toluene  
Concen: 57.13 ug/L  
RT: 7.390 min Scan# 1975  
Delta R.T. -0.000 min  
Lab File: VV020918.D  
Acq: 05 Apr 2021 16:32

Tgt Ion: 91 Resp: 1045629  
Ion Ratio Lower Upper  
91 100  
92 57.9 39.9 74.1





#51  
Chlorobenzene  
Concen: 51.66 ug/L  
RT: 8.886 min Scan# 2440  
Delta R.T. -0.000 min  
Lab File: VV020918.D  
Acq: 05 Apr 2021 16:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
EW1A5MSD

Tgt Ion:112 Resp: 634718  
Ion Ratio Lower Upper  
112 100  
114 31.5 22.4 41.6  
77 55.7 46.7 70.1

