

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011521\  
 Data File : VW020029.D  
 Acq On : 15 Jan 2021 17:20  
 Operator : SY/MD  
 Sample : M1147-10RE  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4Y4

Quant Time: Jan 16 04:47:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM011121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jan 16 04:43:48 2021  
 Response via : Initial Calibration

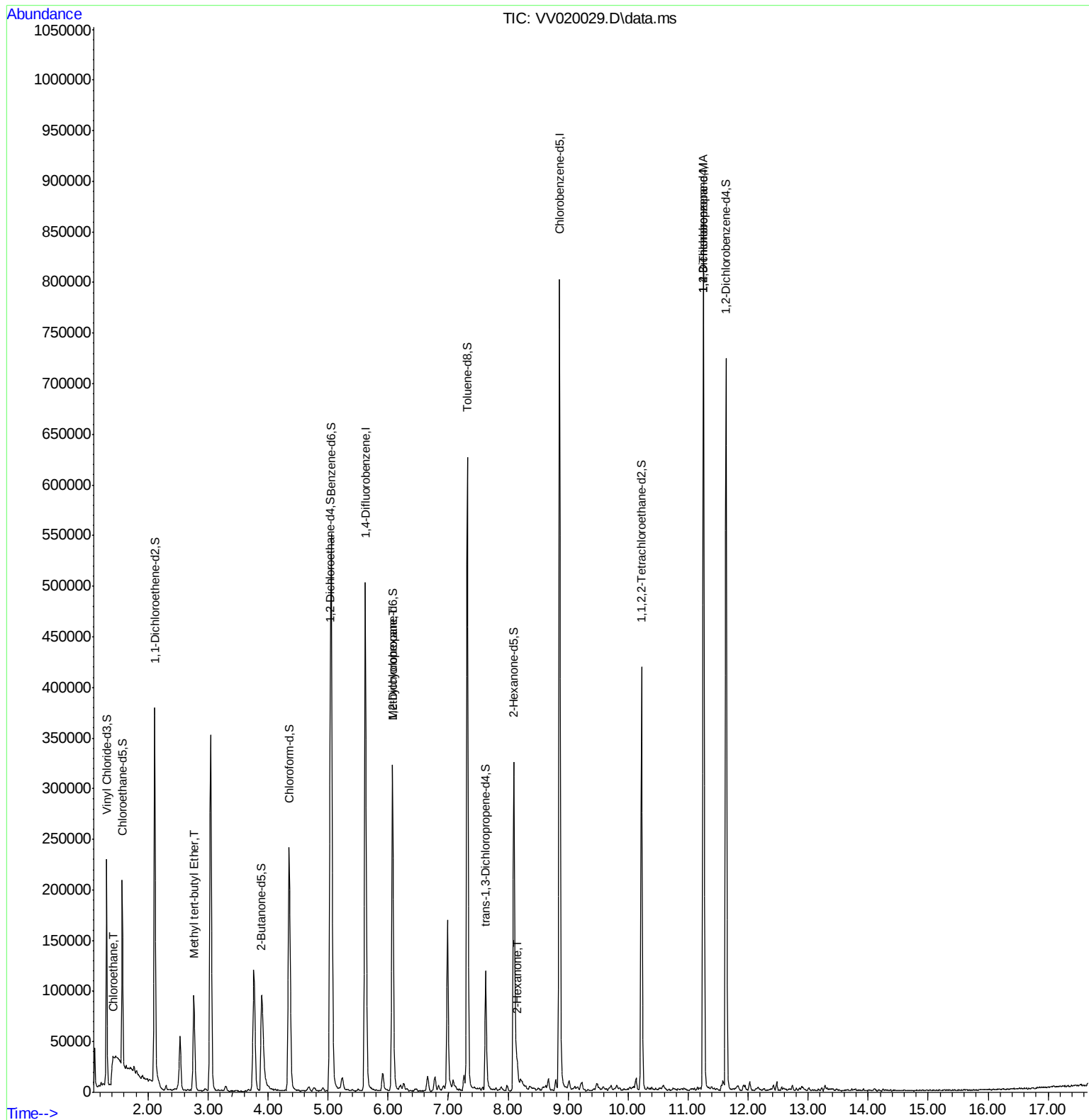
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.621          | 114  | 402575     | 50.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.855          | 117  | 390858     | 50.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.254         | 152  | 203569     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.309          | 65   | 121937     | 35.91   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 71.82%  |        |          |
| 7) Chloroethane-d5            | 1.569          | 69   | 111130     | 41.00   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 82.00%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.110          | 63   | 198395     | 29.66   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 59.32%# |        |          |
| 21) 2-Butanone-d5             | 3.891          | 46   | 177461     | 80.56   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 80.56%  |        |          |
| 24) Chloroform-d              | 4.351          | 84   | 239334     | 39.13   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 78.26%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.035          | 65   | 171458     | 41.23   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 82.46%  |        |          |
| 32) Benzene-d6                | 5.052          | 84   | 436095     | 39.53   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 79.06%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.071          | 67   | 140119     | 40.68   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 81.36%  |        |          |
| 41) Toluene-d8                | 7.318          | 98   | 386079     | 38.62   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 77.24%# |        |          |
| 43) trans-1,3-Dichloroprop... | 7.624          | 79   | 61806      | 34.58   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 69.16%  |        |          |
| 47) 2-Hexanone-d5             | 8.093          | 63   | 96374      | 69.80   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 69.80%  |        |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.222         | 84   | 182026     | 39.09   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 78.18%  |        |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.630         | 152  | 164364     | 41.80   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 83.60%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
| 8) Chloroethane               | 1.421          | 64   | 34711      | 14.95   | ug/L # | 52       |
| 18) Methyl tert-butyl Ether   | 2.769          | 73   | 8010       | 0.86    | ug/L # | 1        |
| 35) Methylcyclohexane         | 6.071          | 83   | 35133      | 7.56    | ug/L # | 17       |
| 48) 2-Hexanone                | 8.148          | 43   | 15312      | 4.30    | ug/L # | 86       |
| 59) 1,2,3-Trichloropropane    | 11.254         | 75   | 27689      | 6.92    | ug/L   | 95       |
| -----                         |                |      |            |         |        |          |

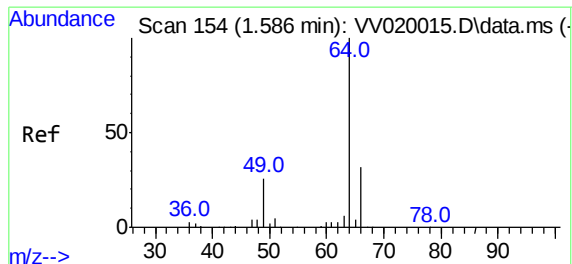
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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Quant Title : VOC Analysis  
QLast Update : Sat Jan 16 04:43:48 2021  
Response via : Initial Calibration

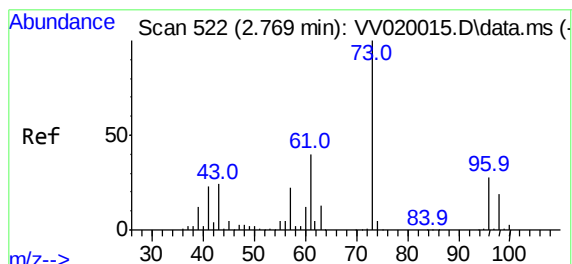
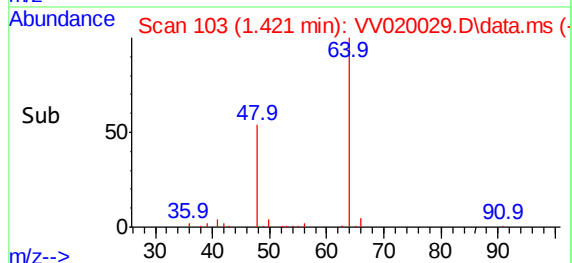
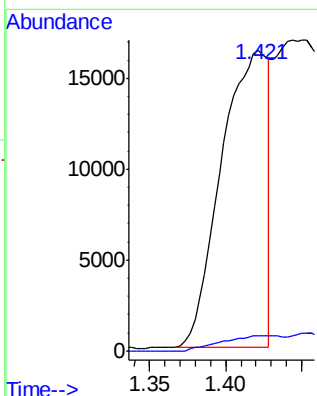
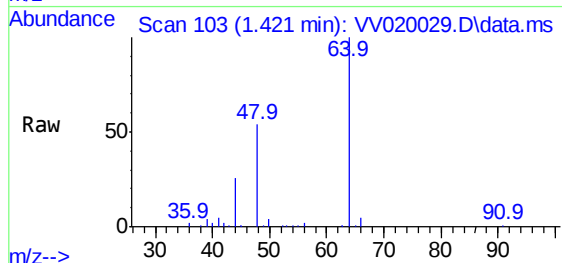




#8  
Chloroethane  
Concen: 14.95 ug/L  
RT: 1.421 min Scan# 103  
Delta R.T. -0.164 min  
Lab File: VV020029.D  
Acq: 15 Jan 2021 17:20

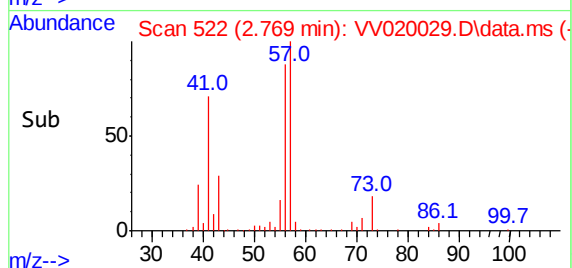
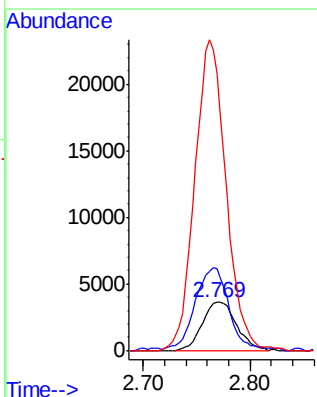
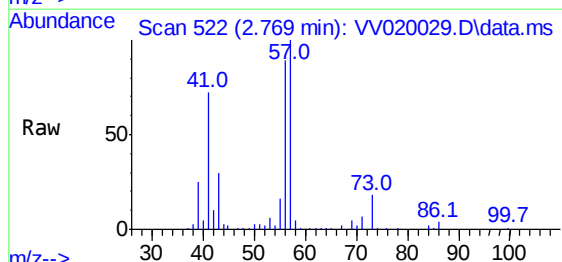
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4Y4

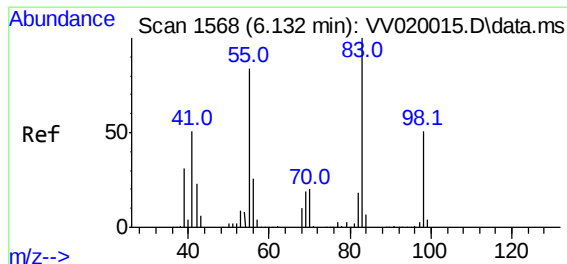
Tgt Ion: 64 Resp: 34711  
Ion Ratio Lower Upper  
64 100  
66 5.1 22.4 41.6#



#18  
Methyl tert-butyl Ether  
Concen: 0.86 ug/L  
RT: 2.769 min Scan# 522  
Delta R.T. -0.000 min  
Lab File: VV020029.D  
Acq: 15 Jan 2021 17:20

Tgt Ion: 73 Resp: 8010  
Ion Ratio Lower Upper  
73 100  
43 161.1 17.3 25.9#  
57 584.3 17.9 26.9#

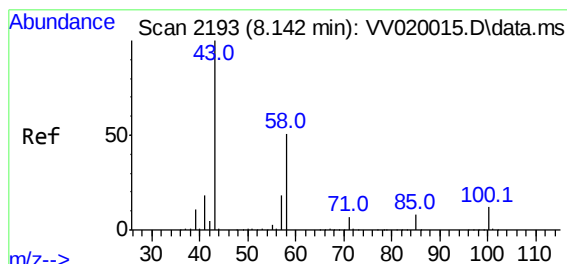
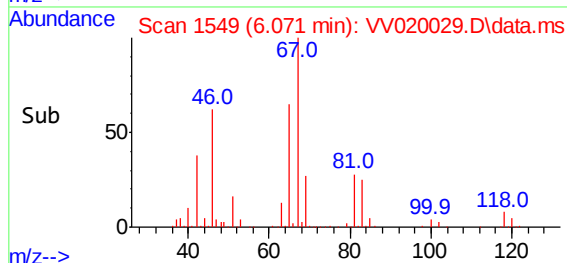
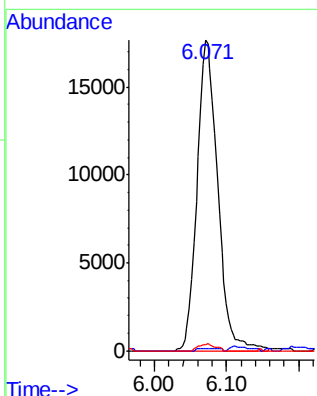
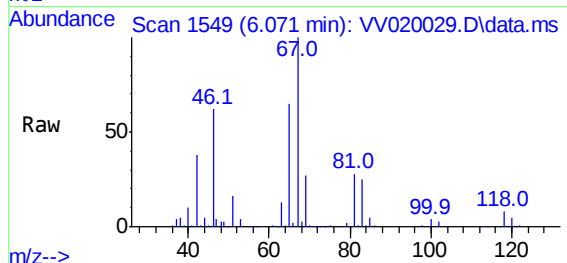




#35  
Methylcyclohexane  
Concen: 7.56 ug/L  
RT: 6.071 min Scan# 1549  
Delta R.T. -0.061 min  
Lab File: VV020029.D  
Acq: 15 Jan 2021 17:20

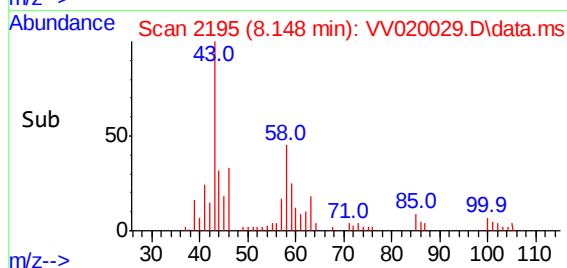
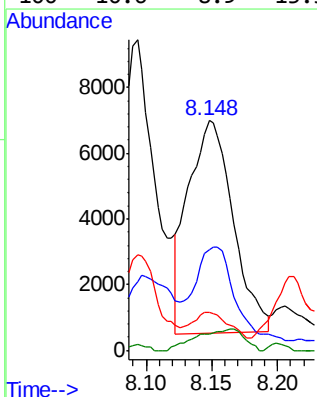
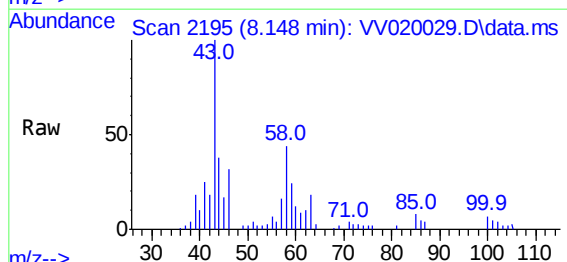
Instrument :  
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ClientSampleId :  
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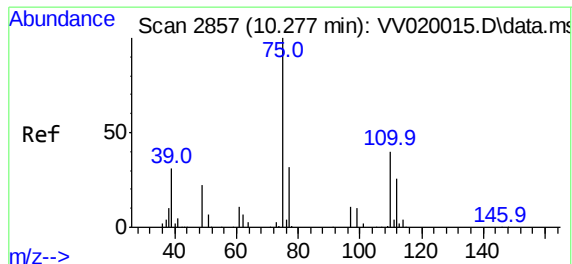
Tgt Ion: 83 Resp: 35133  
Ion Ratio Lower Upper  
83 100  
55 0.4 65.1 97.7#  
98 1.8 38.2 57.2#



#48  
2-Hexanone  
Concen: 4.30 ug/L  
RT: 8.148 min Scan# 2195  
Delta R.T. 0.006 min  
Lab File: VV020029.D  
Acq: 15 Jan 2021 17:20

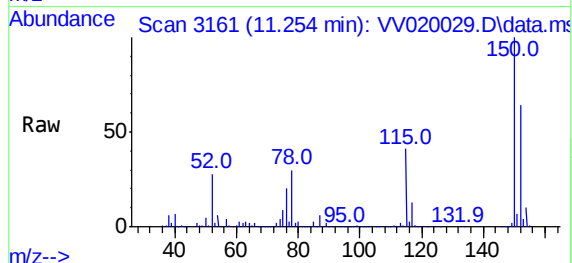
Tgt Ion: 43 Resp: 15312  
Ion Ratio Lower Upper  
43 100  
58 39.6 41.8 62.6#  
57 14.7 15.0 22.4#  
100 10.6 8.9 13.3





#59  
1,2,3-Trichloropropane  
Concen: 6.92 ug/L  
RT: 11.254 min Scan# 3161  
Delta R.T. 0.977 min  
Lab File: VV020029.D  
Acq: 15 Jan 2021 17:20

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4Y4



Tgt Ion: 75 Resp: 27689  
Ion Ratio Lower Upper  
75 100  
77 34.5 25.4 38.0

