

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW040121\  
 Data File : VW020836.D  
 Acq On : 01 Apr 2021 13:52  
 Operator : SY/MD  
 Sample : M1880-03MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW1E2MSD

Quant Time: Apr 02 07:17:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 02 07:14:26 2021  
 Response via : Initial Calibration

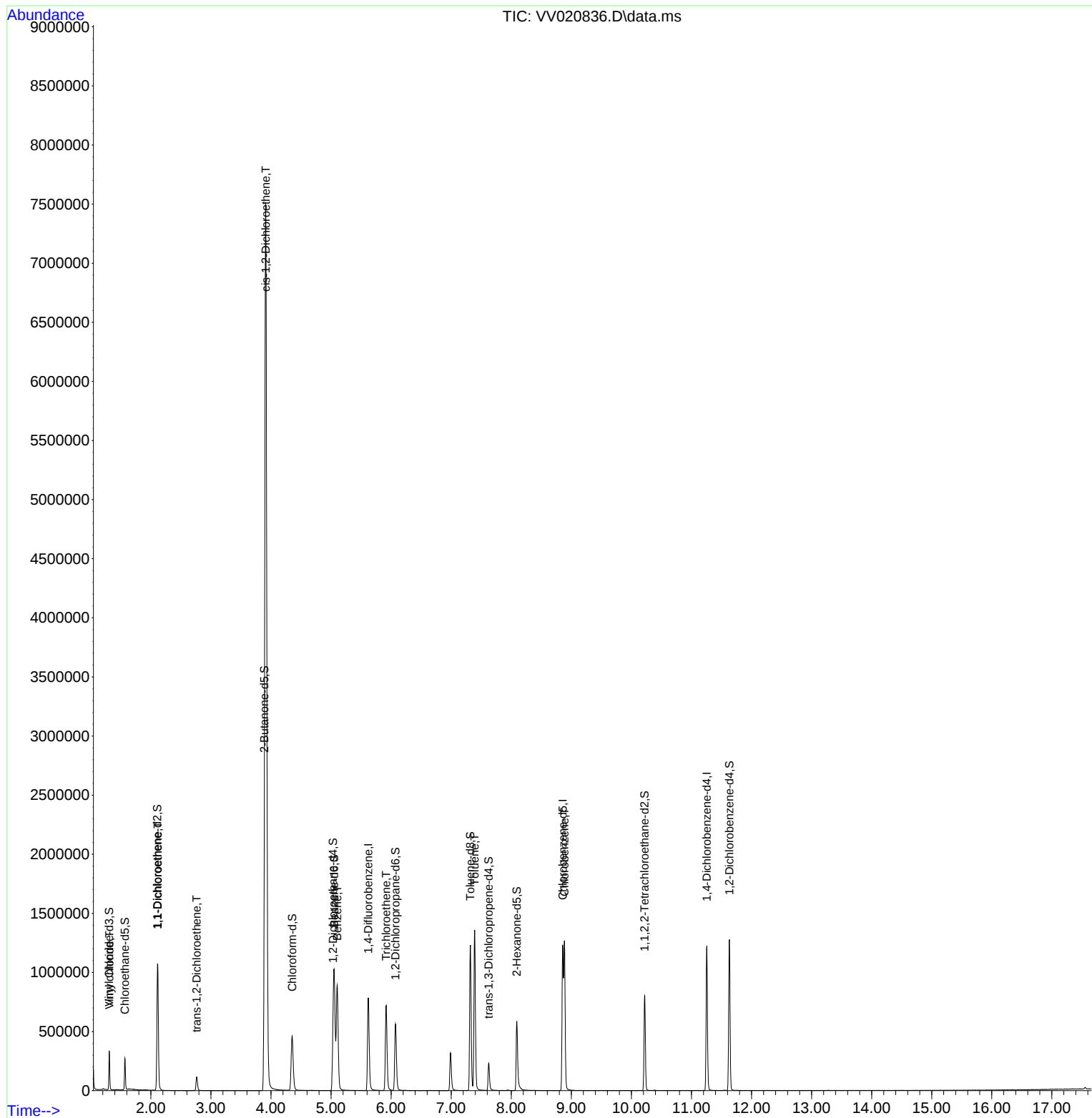
| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 679410     | 50.00   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.857          | 117  | 650013     | 50.00   | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255         | 152  | 325534     | 50.00   | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 184805     | 38.31   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 76.62%  |       |          |
| 7) Chloroethane-d5            | 1.568          | 69   | 157346     | 43.15   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 86.30%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.108          | 63   | 415647     | 45.67   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.34%  |       |          |
| 21) 2-Butanone-d5             | 3.889          | 46   | 293508     | 93.53   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 93.53%  |       |          |
| 24) Chloroform-d              | 4.352          | 84   | 470631     | 49.09   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.18%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 319633     | 50.61   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.22% |       |          |
| 32) Benzene-d6                | 5.053          | 84   | 861360     | 49.72   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.44%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 255528     | 48.04   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 96.08%  |       |          |
| 41) Toluene-d8                | 7.320          | 98   | 806196     | 49.99   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 99.98%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 134682     | 47.59   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 95.18%  |       |          |
| 47) 2-Hexanone-d5             | 8.092          | 63   | 205692     | 92.23   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 92.23%  |       |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220         | 84   | 352077     | 45.44   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 90.88%  |       |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.632         | 152  | 336861     | 53.32   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 106.64% |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 5) Vinyl chloride             | 1.311          | 62   | 14101      | 2.72    | ug/L  | # 72     |
| 12) 1,1-Dichloroethene        | 2.118          | 96   | 194452     | 49.04   | ug/L  | 93       |
| 17) trans-1,2-Dichloroethene  | 2.764          | 96   | 45050      | 9.91    | ug/L  | 91       |
| 20) cis-1,2-Dichloroethene    | 3.912          | 96   | 4116973    | 846.32  | ug/L  | 97       |
| 33) Benzene                   | 5.101          | 78   | 904104     | 50.43   | ug/L  | 100      |
| 34) Trichloroethene           | 5.918          | 95   | 245018     | 49.85   | ug/L  | 98       |
| 42) Toluene                   | 7.391          | 91   | 988339     | 50.72   | ug/L  | 98       |
| 51) Chlorobenzene             | 8.886          | 112  | 653703     | 49.97   | ug/L  | 99       |
| -----                         |                |      |            |         |       |          |

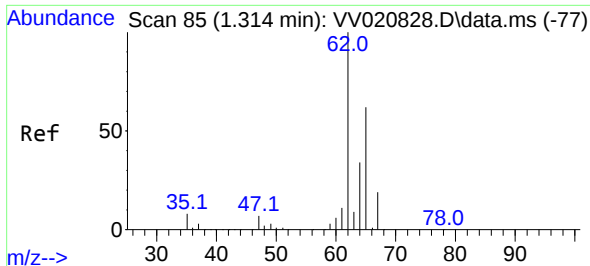
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 02 07:14:26 2021  
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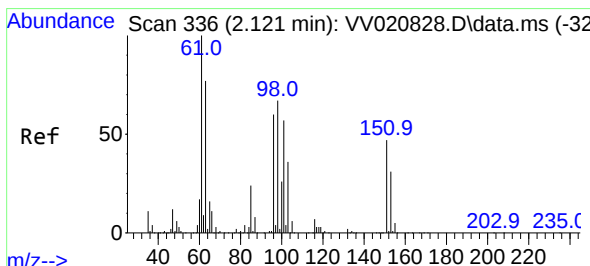
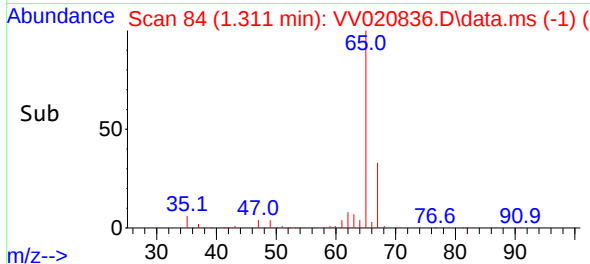
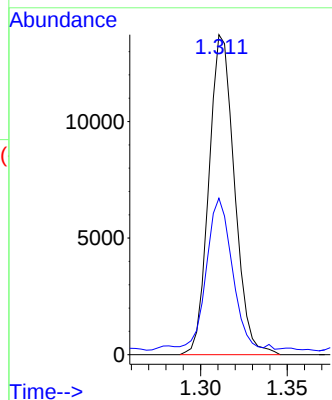
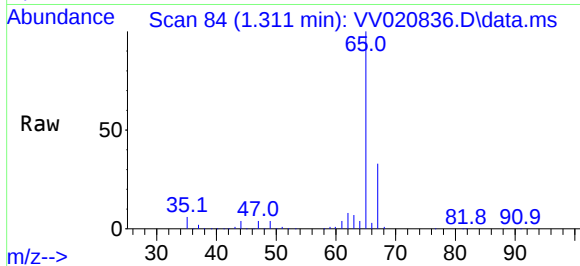




#5  
 Vinyl chloride  
 Concen: 2.72 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. -0.003 min  
 Lab File: VV020836.D  
 Acq: 01 Apr 2021 13:52

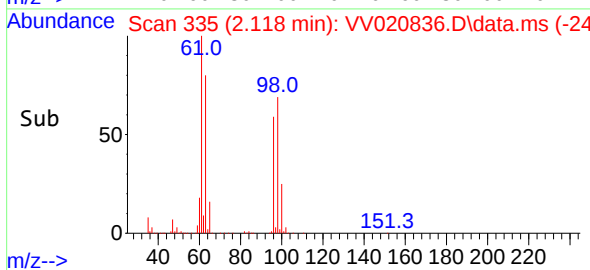
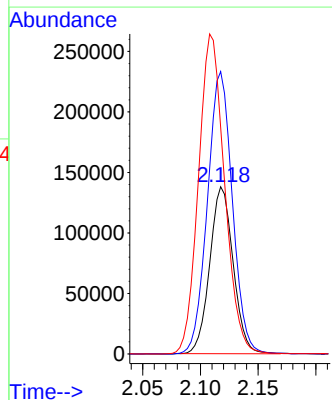
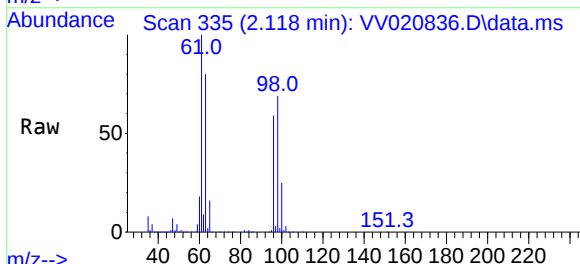
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW1E2MSD

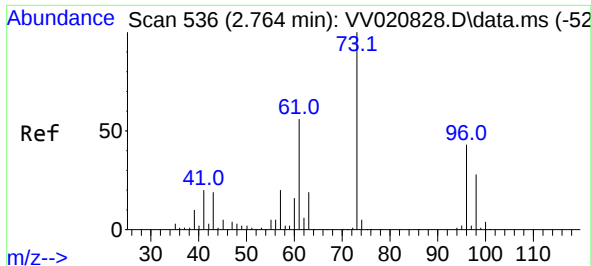
Tgt Ion: 62 Resp: 14101  
 Ion Ratio Lower Upper  
 62 100  
 64 48.9 23.3 43.3#



#12  
 1,1-Dichloroethene  
 Concen: 49.04 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. -0.003 min  
 Lab File: VV020836.D  
 Acq: 01 Apr 2021 13:52

Tgt Ion: 96 Resp: 194452  
 Ion Ratio Lower Upper  
 96 100  
 61 168.8 126.3 234.6  
 63 135.3 100.2 186.2

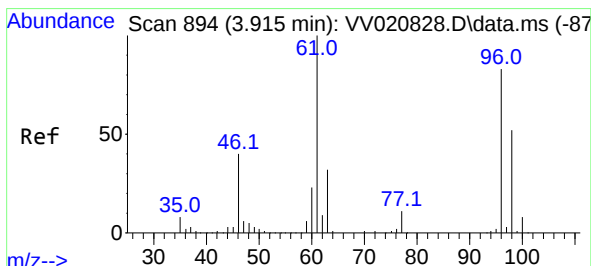
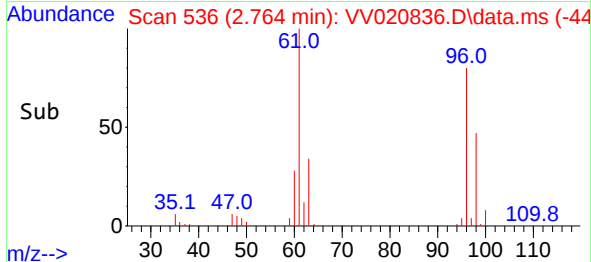
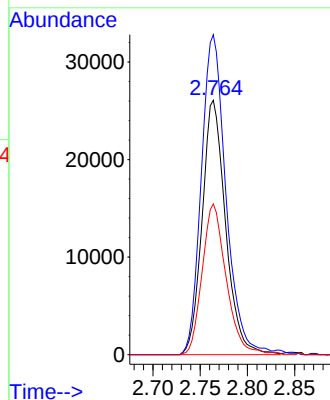
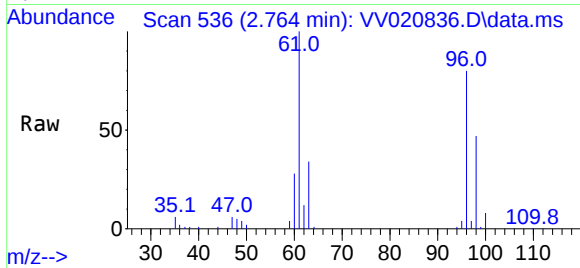




#17  
trans-1,2-Dichloroethene  
Concen: 9.91 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. 0.000 min  
Lab File: VV020836.D  
Acq: 01 Apr 2021 13:52

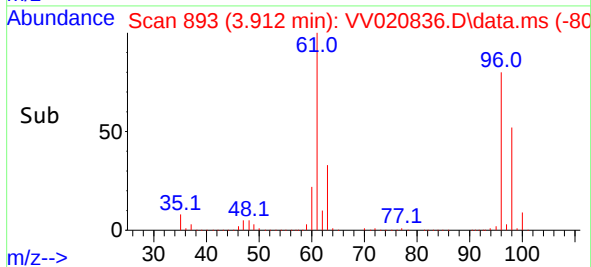
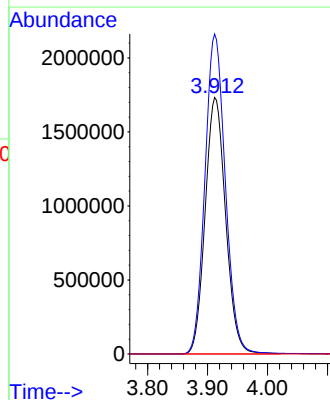
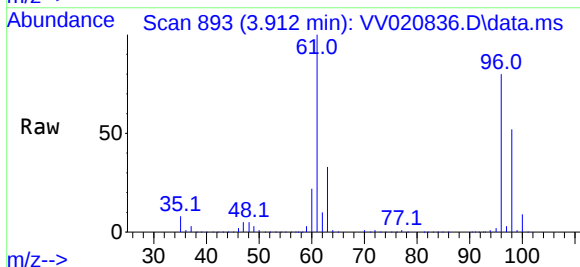
Instrument :  
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ClientSampleId :  
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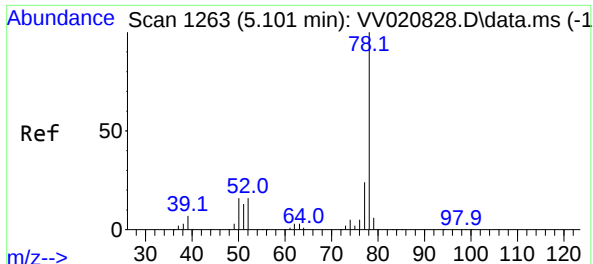
Tgt Ion: 96 Resp: 45050  
Ion Ratio Lower Upper  
96 100  
61 125.8 97.9 181.9  
98 59.2 43.9 81.5



#20  
cis-1,2-Dichloroethene  
Concen: 846.32 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. -0.003 min  
Lab File: VV020836.D  
Acq: 01 Apr 2021 13:52

Tgt Ion: 96 Resp: 4116973  
Ion Ratio Lower Upper  
96 100  
61 124.8 89.9 167.0  
68 0.0 0.0 0.0





#33

Benzene

Concen: 50.43 ug/L

RT: 5.101 min Scan# 1263

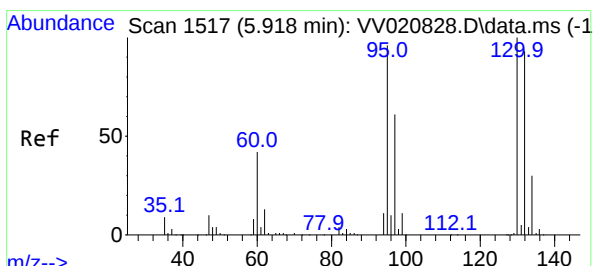
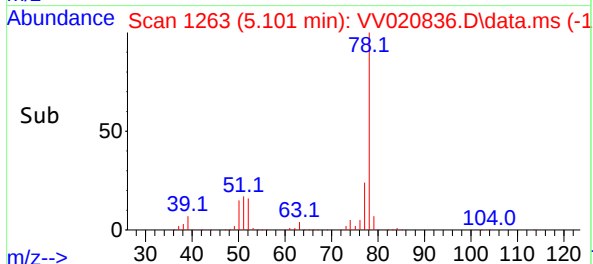
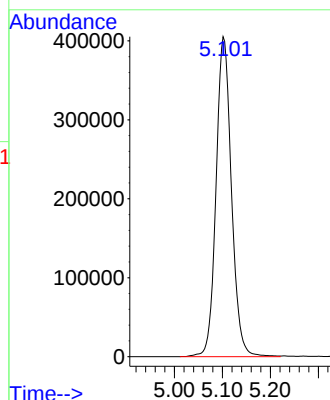
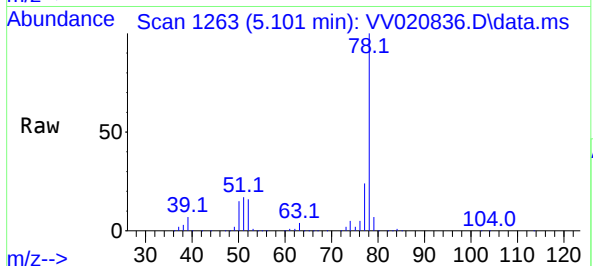
Delta R.T. 0.000 min

Lab File: VV020836.D

Acq: 01 Apr 2021 13:52

Tgt Ion: 78 Resp: 904104

Instrument :  
MSVOA\_V  
ClientSampleId :  
EW1E2MSD



#34

Trichloroethene

Concen: 49.85 ug/L

RT: 5.918 min Scan# 1517

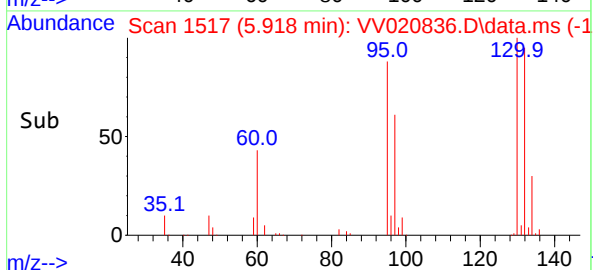
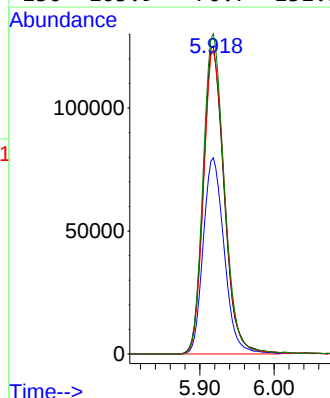
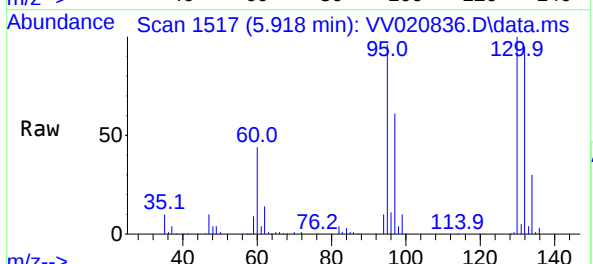
Delta R.T. 0.000 min

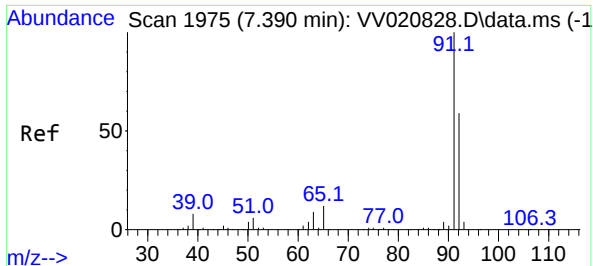
Lab File: VV020836.D

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Tgt Ion: 95 Resp: 245018

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.7  | 43.5  | 80.9  |
| 132 | 98.8  | 69.5  | 129.1 |
| 130 | 103.9 | 70.7  | 131.3 |

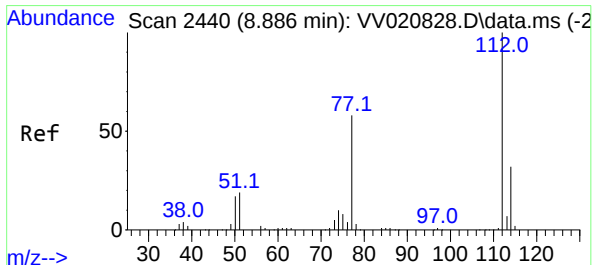
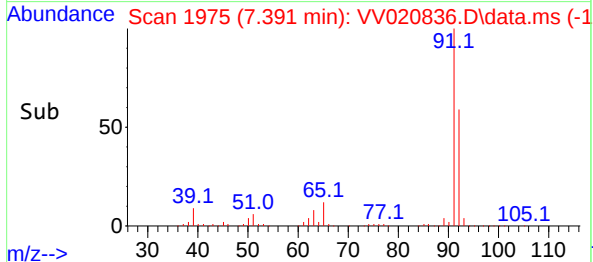
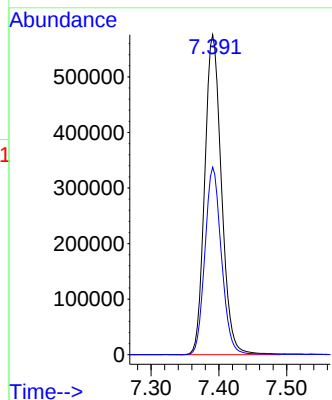
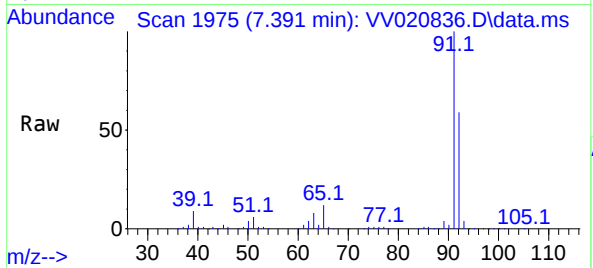




#42  
Toluene  
Concen: 50.72 ug/L  
RT: 7.391 min Scan# 1975  
Delta R.T. 0.000 min  
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Tgt Ion: 91 Resp: 988339  
Ion Ratio Lower Upper  
91 100  
92 58.6 39.9 74.1



#51  
Chlorobenzene  
Concen: 49.97 ug/L  
RT: 8.886 min Scan# 2440  
Delta R.T. 0.000 min  
Lab File: VV020836.D  
Acq: 01 Apr 2021 13:52

Tgt Ion: 112 Resp: 653703  
Ion Ratio Lower Upper  
112 100  
114 32.2 22.4 41.6  
77 57.7 46.7 70.1

