

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092021\  
 Data File : VV022264.D  
 Acq On : 21 Sep 2021 04:14  
 Operator : SY/MD  
 Sample : M3778-02  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 21 06:25:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 21 06:08:34 2021  
 Response via : Initial Calibration

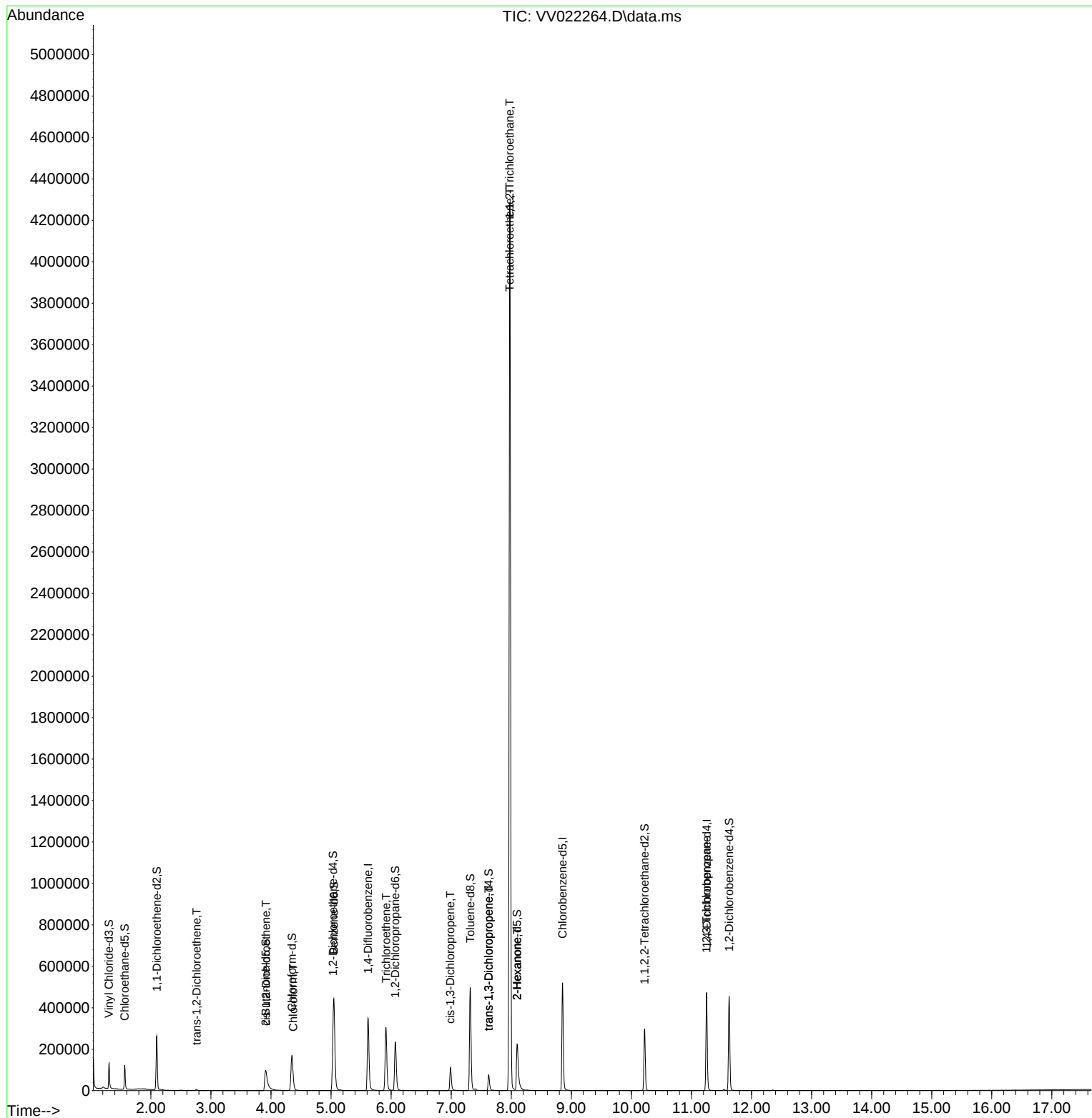
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.616          | 114  | 312892     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853          | 117  | 296471     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252         | 152  | 127199     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 91210      | 42.094  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 84.180% |        |          |
| 7) Chloroethane-d5            | 1.564          | 69   | 74856      | 44.238  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 88.480% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.098          | 63   | 134611     | 37.564  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 75.120% |        |          |
| 21) 2-Butanone-d5             | 3.912          | 46   | 141077     | 94.935  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 94.930% |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 178285     | 45.124  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.240% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 114813     | 49.335  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.680% |        |          |
| 32) Benzene-d6                | 5.047          | 84   | 382421     | 47.557  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.120% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67   | 119931     | 47.425  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 94.840% |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 332210     | 43.765  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 87.520% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 45015      | 37.399  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 74.800% |        |          |
| 47) 2-Hexanone-d5             | 8.098          | 63   | 95218      | 98.130  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 98.130% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220         | 84   | 145341     | 44.875  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 89.740% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.628         | 152  | 121619     | 48.636  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.280% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 17) trans-1,2-Dichloroethene  | 2.760          | 96   | 2117       | 0.970   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 3.915          | 96   | 24192      | 9.960   | ug/L   | 98       |
| 25) Chloroform                | 4.371          | 83   | 2559       | 0.622   | ug/L   | 76       |
| 34) Trichloroethene           | 5.915          | 95   | 102301     | 41.871  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 6.985          | 75   | 2689       | 0.779   | ug/L # | 75       |
| 44) trans-1,3-Dichloropropene | 7.625          | 75   | 1984       | 0.618   | ug/L   | 88       |
| 45) 1,1,2-Trichloroethane     | 7.972          | 97   | 7497       | 3.295   | ug/L # | 1        |
| 46) Tetrachloroethene         | 7.976          | 164  | 960999     | 505.841 | ug/L   | 97       |
| 48) 2-Hexanone                | 8.101          | 43   | 10324      | 4.390   | ug/L # | 60       |
| 61) 1,2,3-Trichloropropane    | 11.249         | 75   | 14457      | 6.558   | ug/L # | 64       |
| -----                         |                |      |            |         |        |          |

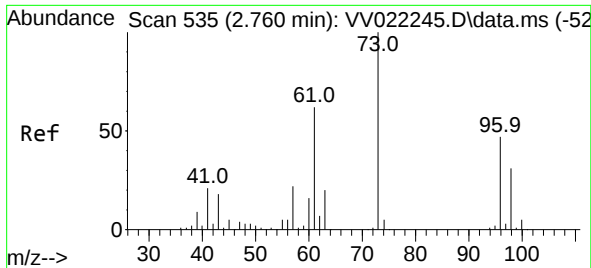
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3778-02  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Sep 21 06:25:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 21 06:08:34 2021  
Response via : Initial Calibration

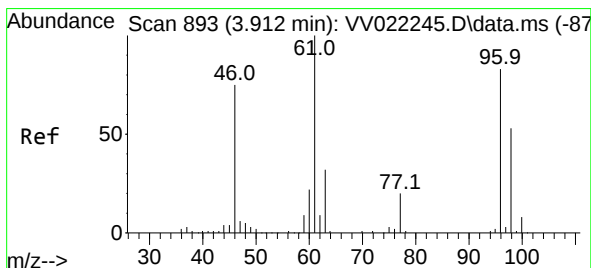
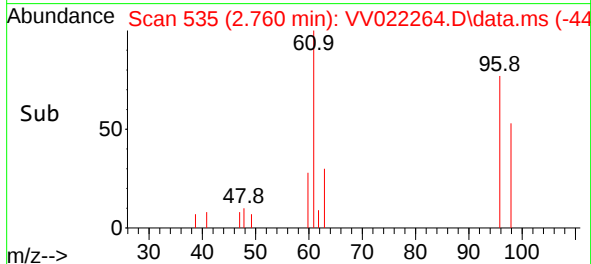
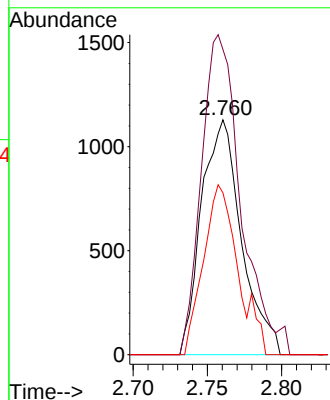
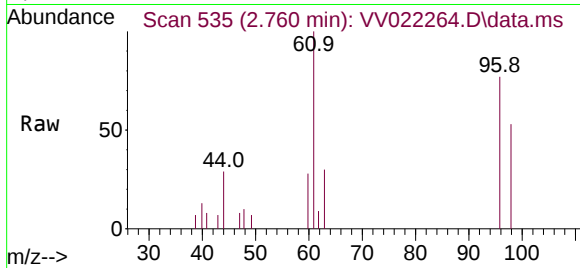




#17  
trans-1,2-Dichloroethene  
Concen: 0.970 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.000 min  
Lab File: VV022264.D  
Acq: 21 Sep 2021 04:14

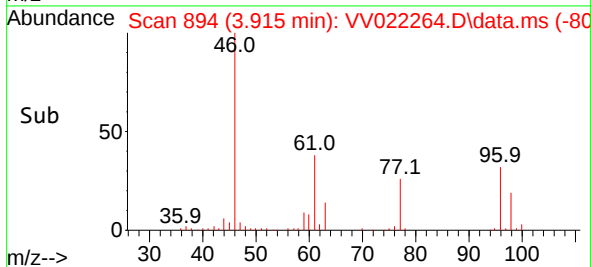
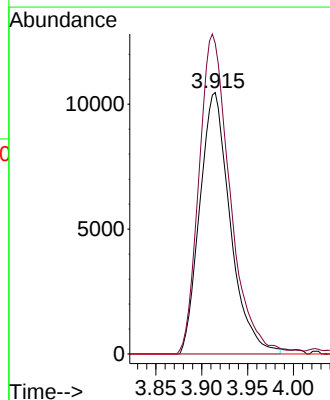
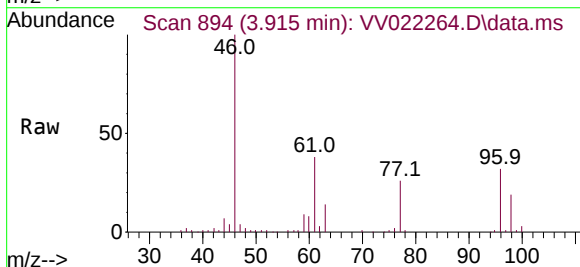
Instrument :  
MSVOA\_V  
ClientSampled :

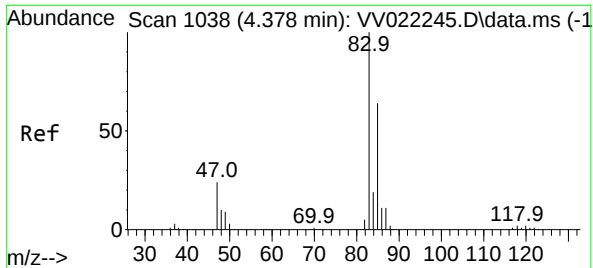
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 2117  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 129.9 | 89.1  | 165.5 |
| 98       | 68.9  | 43.8  | 81.3  |



#20  
cis-1,2-Dichloroethene  
Concen: 9.960 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.003 min  
Lab File: VV022264.D  
Acq: 21 Sep 2021 04:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 24192 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 118.7 | 81.8  | 152.0 |
| 68       | 0.0   | 0.0   | 0.0   |

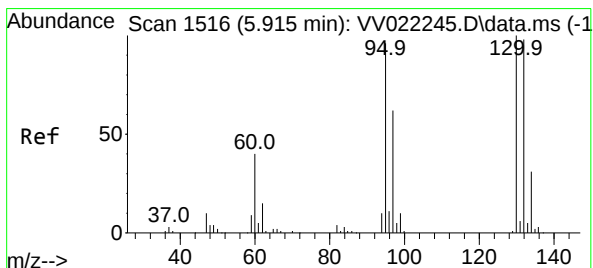
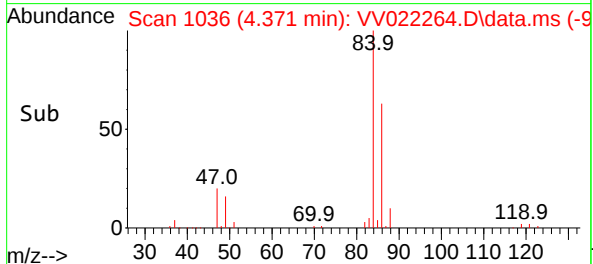
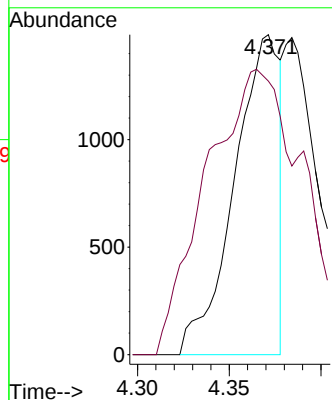
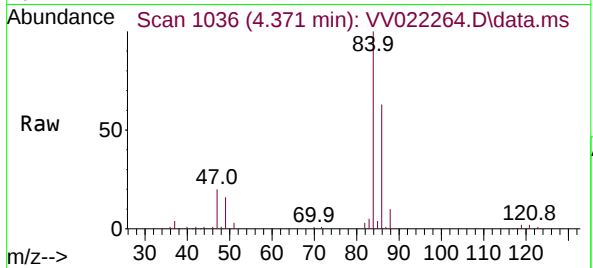




#25  
Chloroform  
Concen: 0.622 ug/L  
RT: 4.371 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VV022264.D  
Acq: 21 Sep 2021 04:14

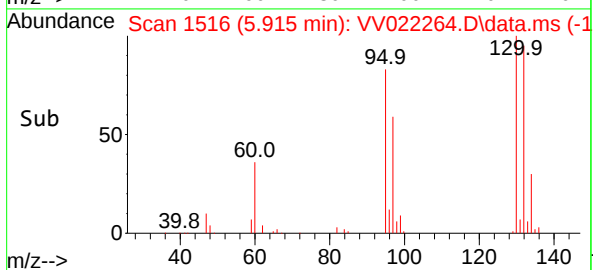
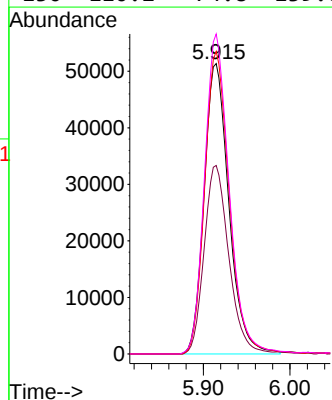
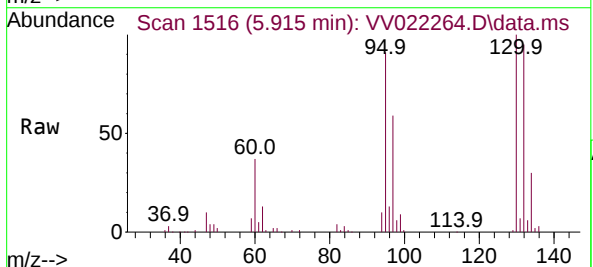
Instrument :  
MSVOA\_V  
ClientSampled :

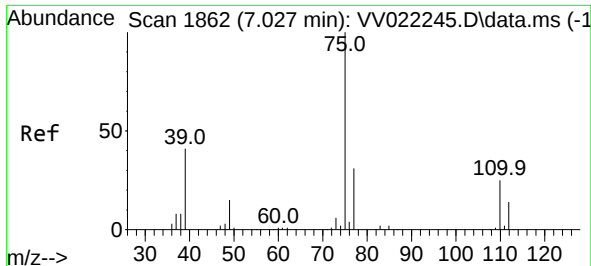
Tgt Ion: 83 Resp: 2559  
Ion Ratio Lower Upper  
83 100  
85 85.5 46.3 85.9



#34  
Trichloroethene  
Concen: 41.871 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VV022264.D  
Acq: 21 Sep 2021 04:14

Tgt Ion: 95 Resp: 102301  
Ion Ratio Lower Upper  
95 100  
97 64.9 44.1 81.9  
132 104.2 70.7 131.3  
130 110.2 74.8 139.0



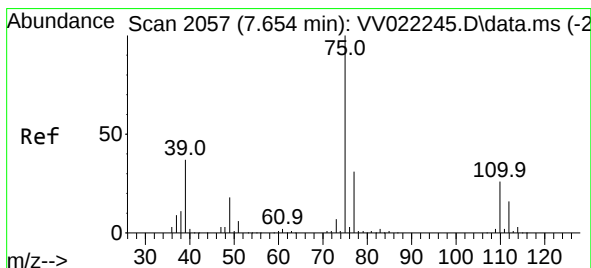
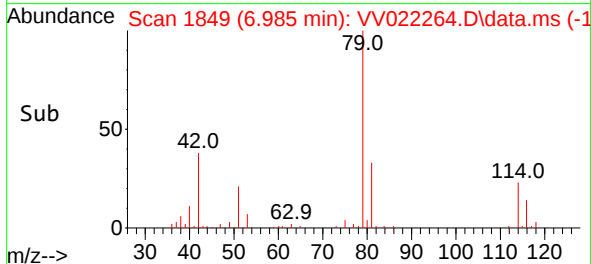
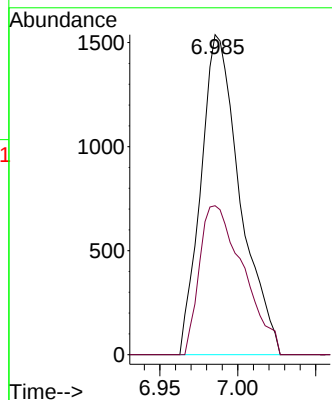
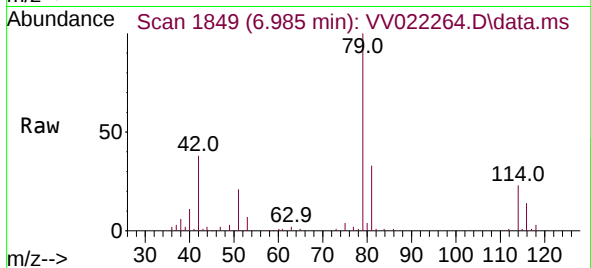


#39

cis-1,3-Dichloropropene  
Concen: 0.779 ug/L  
RT: 6.985 min Scan# 1849  
Delta R.T. -0.042 min  
Lab File: VV022264.D  
Acq: 21 Sep 2021 04:14

Instrument :  
MSVOA\_V  
ClientSampled :

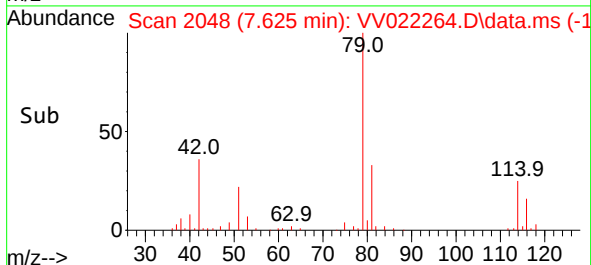
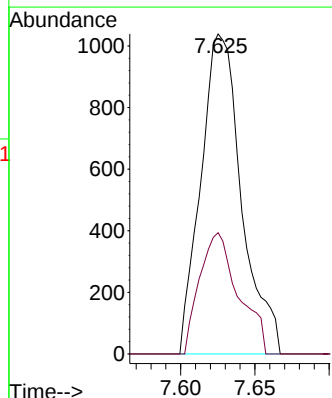
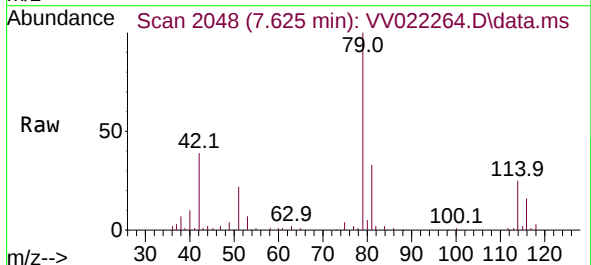
Tgt Ion: 75 Resp: 2689  
Ion Ratio Lower Upper  
75 100  
77 46.6 22.7 42.1#

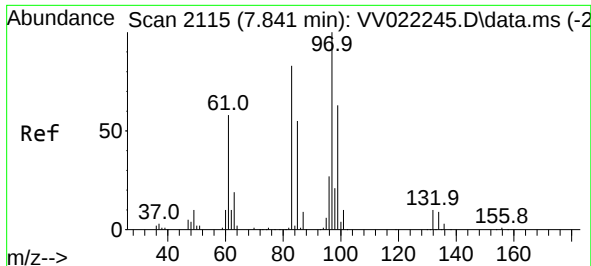


#44

trans-1,3-Dichloropropene  
Concen: 0.618 ug/L  
RT: 7.625 min Scan# 2048  
Delta R.T. -0.029 min  
Lab File: VV022264.D  
Acq: 21 Sep 2021 04:14

Tgt Ion: 75 Resp: 1984  
Ion Ratio Lower Upper  
75 100  
77 37.9 21.8 40.6

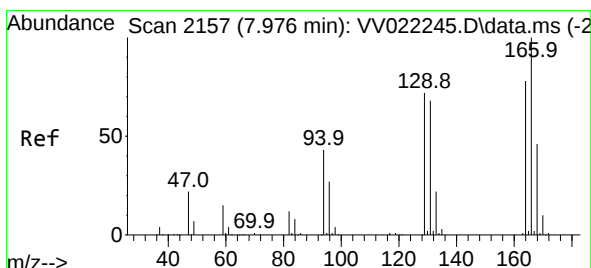
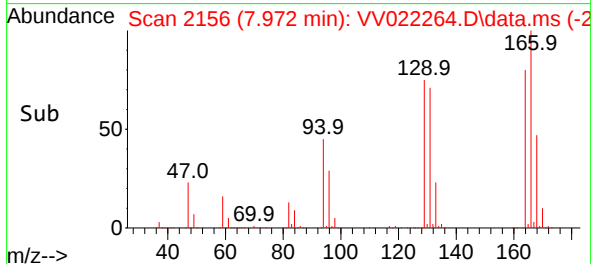
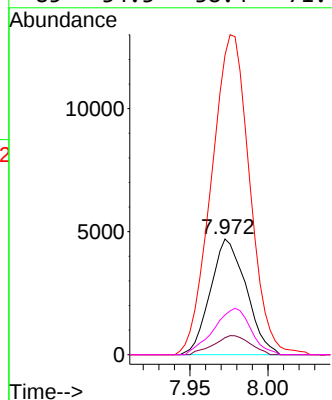
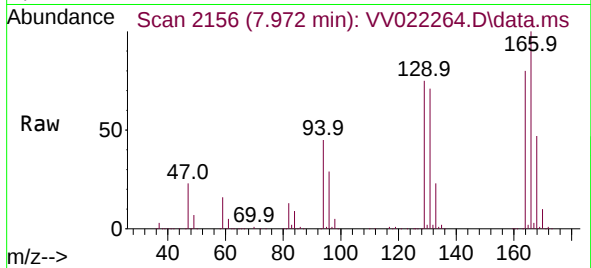




#45  
1,1,2-Trichloroethane  
Concen: 3.295 ug/L  
RT: 7.972 min Scan# 2156  
Delta R.T. 0.132 min  
Lab File: VV022264.D  
Acq: 21 Sep 2021 04:14

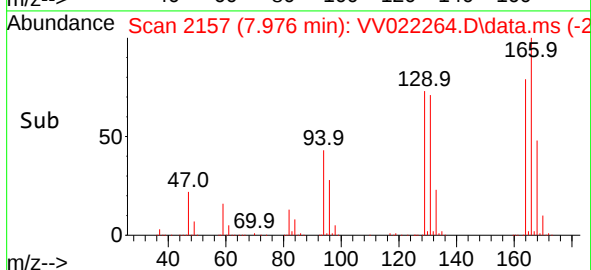
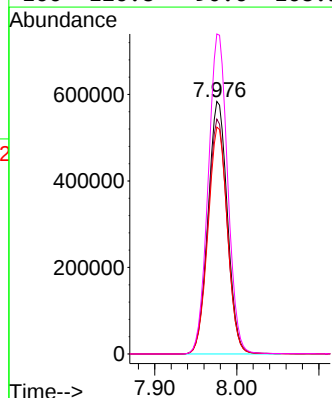
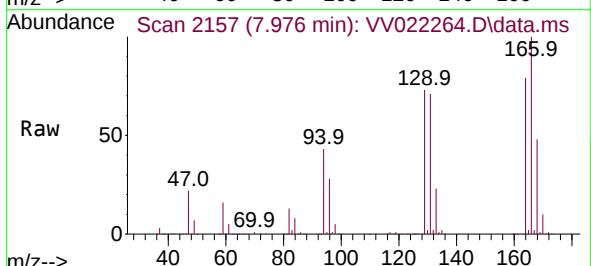
Instrument :  
MSVOA\_V  
ClientSampled :

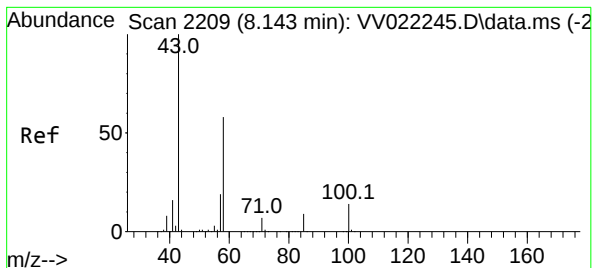
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Ion Ratio Lower Upper  
97 100  
99 14.7 43.8 81.4#  
83 258.7 58.8 109.2#  
85 34.3 38.4 71.4#



#46  
Tetrachloroethene  
Concen: 505.841 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV022264.D  
Acq: 21 Sep 2021 04:14

Tgt Ion:164 Resp: 960999  
Ion Ratio Lower Upper  
164 100  
129 93.0 62.9 116.9  
131 89.9 61.0 113.4  
166 126.8 90.6 168.3





#48

2-Hexanone

Concen: 4.390 ug/L

RT: 8.101 min Scan# 2196

Delta R.T. -0.042 min

Lab File: VV022264.D

Acq: 21 Sep 2021 04:14

Tgt Ion: 43 Resp: 10324

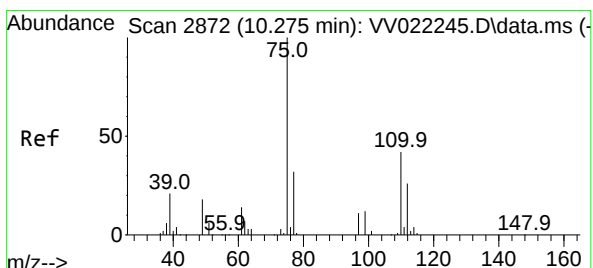
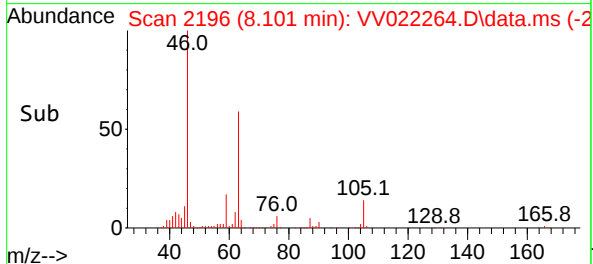
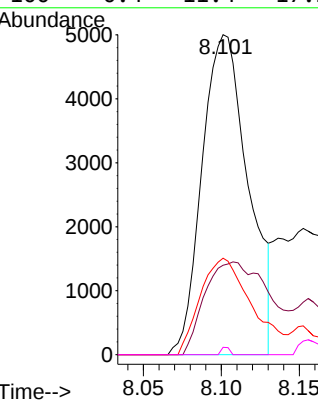
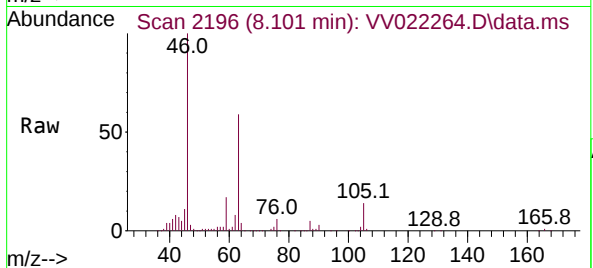
Ion Ratio Lower Upper

43 100

58 26.1 47.5 71.3#

57 33.9 15.9 23.9#

100 0.4 11.4 17.2#



#61

1,2,3-Trichloropropane

Concen: 6.558 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV022264.D

Acq: 21 Sep 2021 04:14

Tgt Ion: 75 Resp: 14457

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2

110 3.4 33.8 50.6#

