

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092921\  
 Data File : VV022391.D  
 Acq On : 29 Sep 2021 20:32  
 Operator : SY/MD  
 Sample : M3978-11  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4A36

Quant Time: Sep 30 05:31:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 30 05:14:53 2021  
 Response via : Initial Calibration

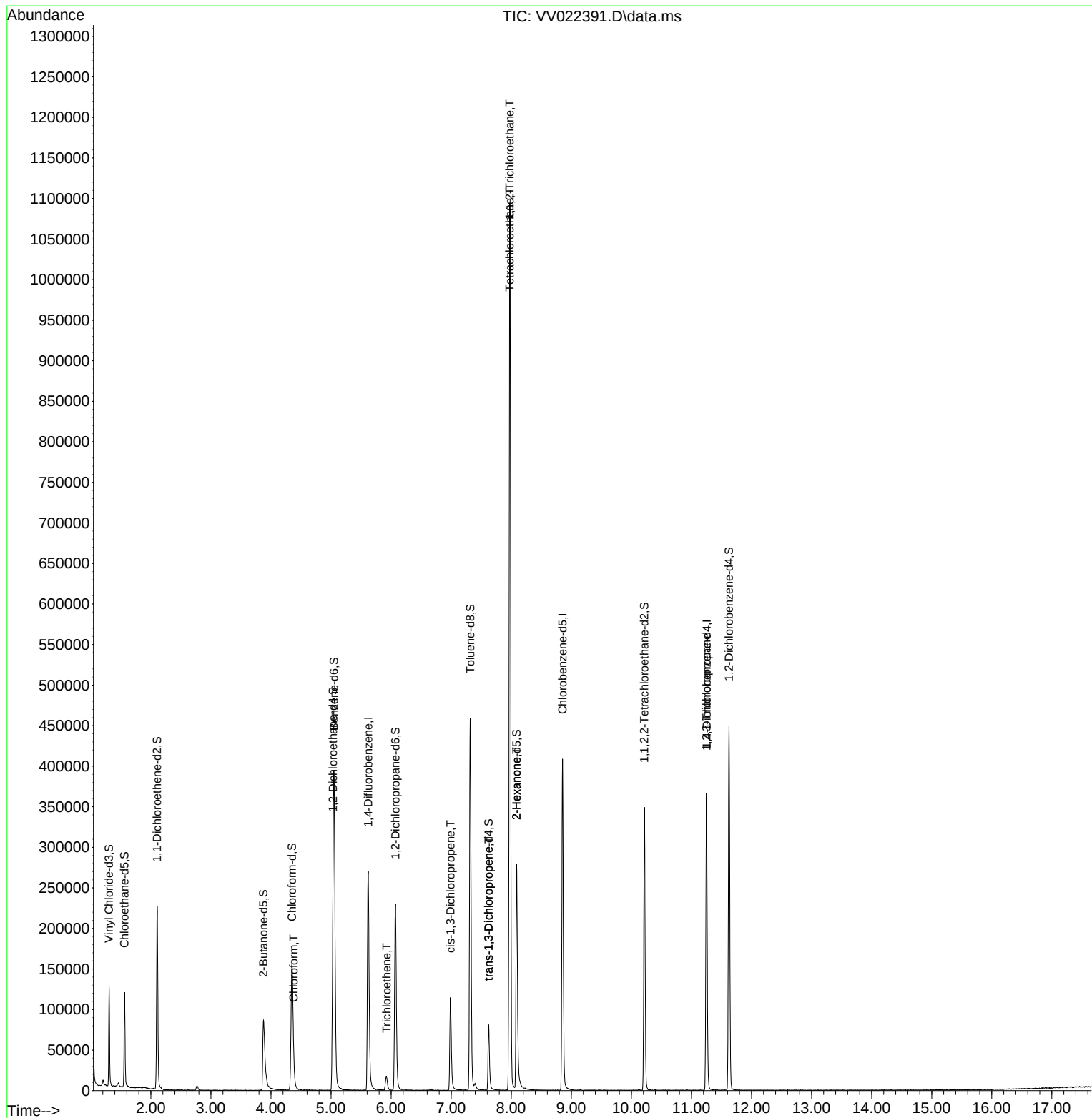
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 243760     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853          | 117  | 232886     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252         | 152  | 102738     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 78806      | 38.095   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 76.180%  |        |          |
| 7) Chloroethane-d5            | 1.561          | 69   | 73293      | 44.794   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 89.580%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.104          | 63   | 116012     | 32.255   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 64.520%  |        |          |
| 21) 2-Butanone-d5             | 3.873          | 46   | 135108     | 92.543   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 92.540%  |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 160805     | 43.049   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.100%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 107821     | 47.069   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.140%  |        |          |
| 32) Benzene-d6                | 5.050          | 84   | 349972     | 47.769   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.540%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 113087     | 48.248   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 96.500%  |        |          |
| 41) Toluene-d8                | 7.316          | 98   | 305149     | 45.505   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.020%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 45534      | 42.544   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 85.080%  |        |          |
| 47) 2-Hexanone-d5             | 8.088          | 63   | 96268      | 101.080  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 101.080% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 164328     | 48.298   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 96.600%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 121550     | 53.206   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 106.420% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 25) Chloroform                | 4.378          | 83   | 12618      | 3.670    | ug/L   | 99       |
| 34) Trichloroethene           | 5.927          | 95   | 5546       | 3.034    | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 6.989          | 75   | 2701       | 1.006    | ug/L # | 68       |
| 44) trans-1,3-Dichloropropene | 7.625          | 75   | 1954       | 0.762    | ug/L # | 79       |
| 45) 1,1,2-Trichloroethane     | 7.972          | 97   | 1971       | 1.062    | ug/L # | 1        |
| 46) Tetrachloroethene         | 7.976          | 164  | 250900     | 166.722  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.088          | 43   | 11029      | 5.658    | ug/L # | 72       |
| 61) 1,2,3-Trichloropropane    | 11.249         | 75   | 11462      | 5.980    | ug/L # | 66       |
| -----                         |                |      |            |          |        |          |

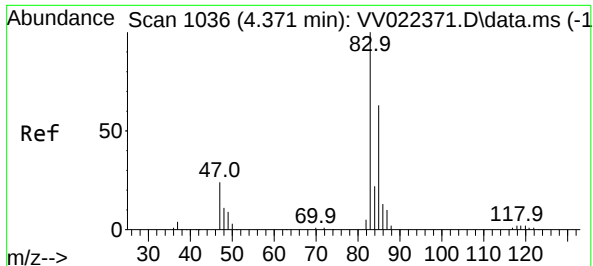
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092921\  
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ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :  
F4A36

Quant Time: Sep 30 05:31:22 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 30 05:14:53 2021  
Response via : Initial Calibration





#25

Chloroform

Concen: 3.670 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VV022391.D

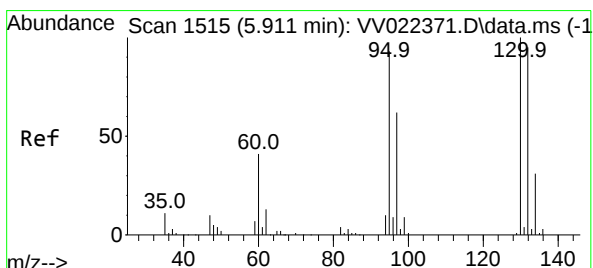
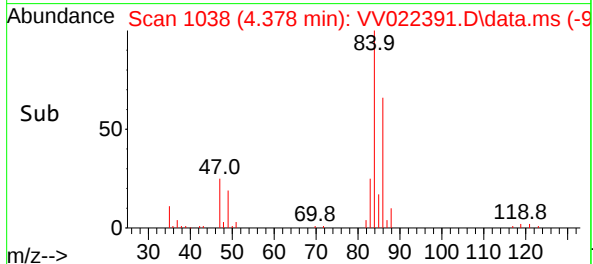
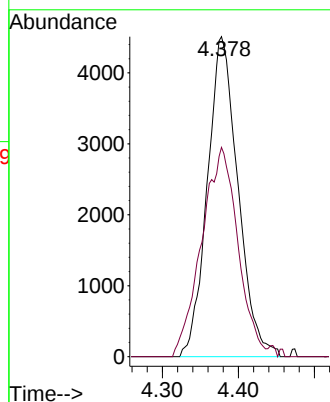
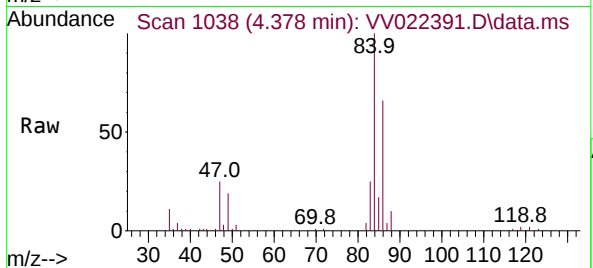
Acq: 29 Sep 2021 20:32

Tgt Ion: 83 Resp: 12618

Ion Ratio Lower Upper

83 100

85 65.4 46.5 86.3



#34

Trichloroethene

Concen: 3.034 ug/L

RT: 5.927 min Scan# 1520

Delta R.T. 0.016 min

Lab File: VV022391.D

Acq: 29 Sep 2021 20:32

Tgt Ion: 95 Resp: 5546

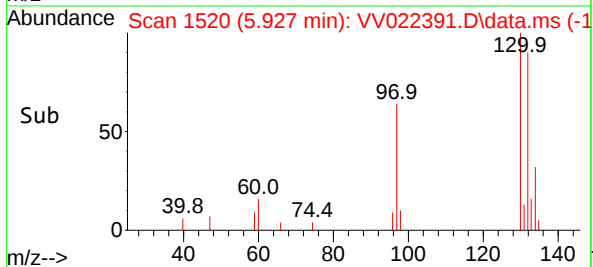
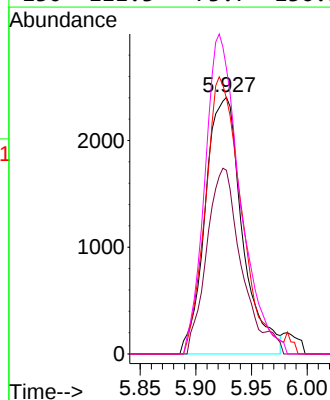
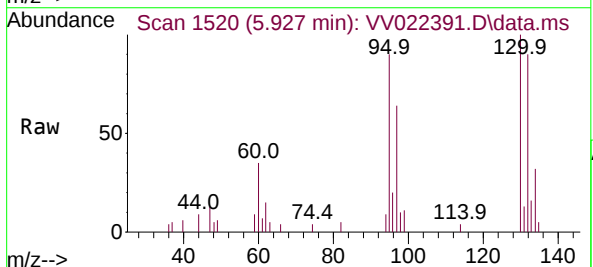
Ion Ratio Lower Upper

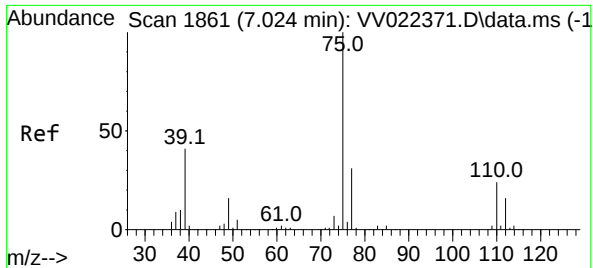
95 100

97 71.6 45.2 84.0

132 99.6 71.0 131.8

130 111.3 73.7 136.9



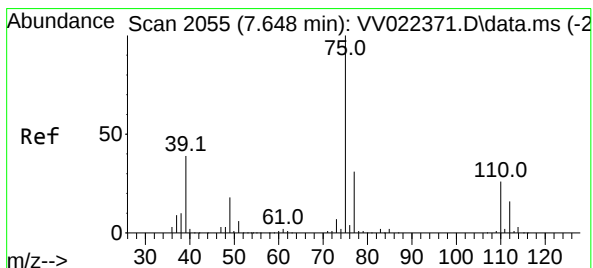
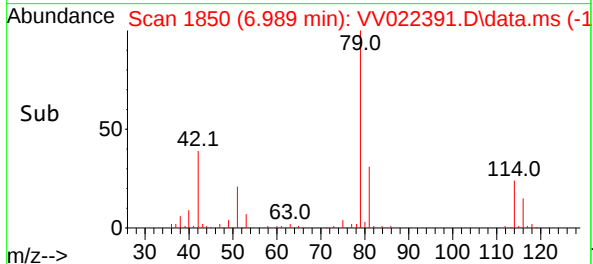
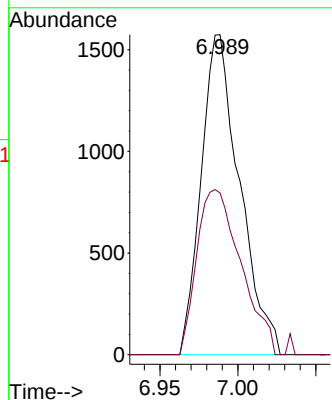
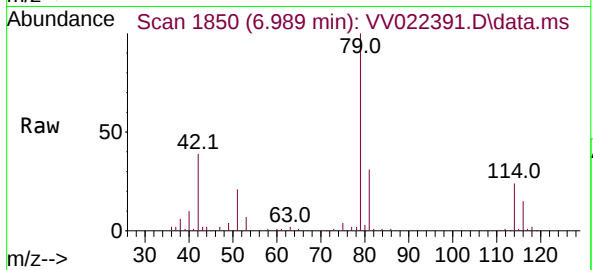


#39

cis-1,3-Dichloropropene  
Concen: 1.006 ug/L  
RT: 6.989 min Scan# 1850  
Delta R.T. -0.035 min  
Lab File: VV022391.D  
Acq: 29 Sep 2021 20:32

Instrument :  
MSVOA\_V  
ClientSampled :  
F4A36

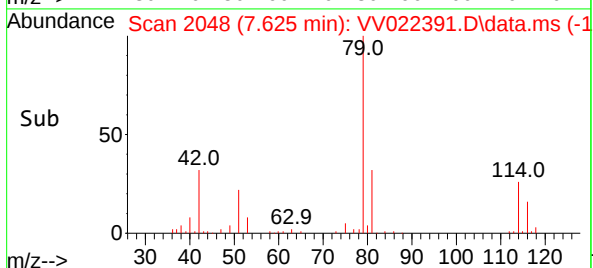
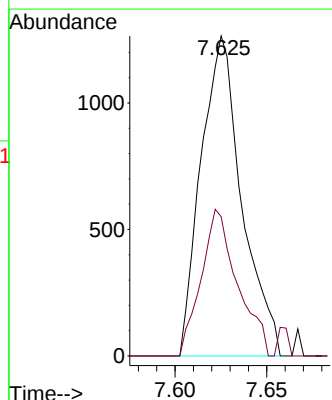
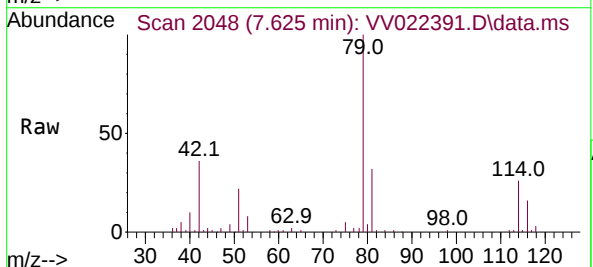
Tgt Ion: 75 Resp: 2701  
Ion Ratio Lower Upper  
75 100  
77 50.6 22.7 42.1#

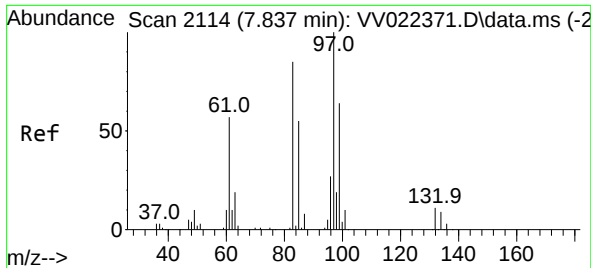


#44

trans-1,3-Dichloropropene  
Concen: 0.762 ug/L  
RT: 7.625 min Scan# 2048  
Delta R.T. -0.023 min  
Lab File: VV022391.D  
Acq: 29 Sep 2021 20:32

Tgt Ion: 75 Resp: 1954  
Ion Ratio Lower Upper  
75 100  
77 43.5 22.3 41.3#



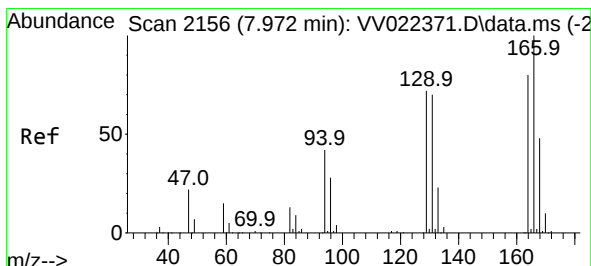
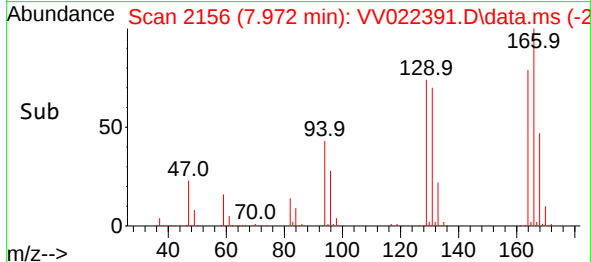
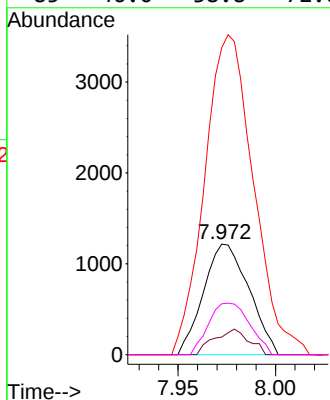
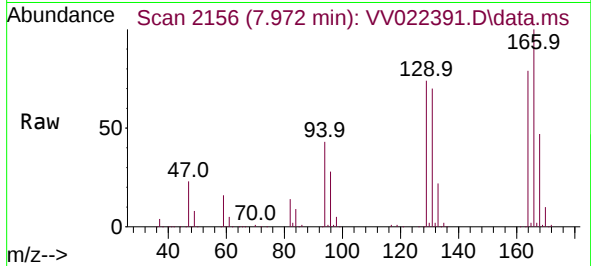


#45  
1,1,2-Trichloroethane  
Concen: 1.062 ug/L  
RT: 7.972 min Scan# 2156  
Delta R.T. 0.135 min  
Lab File: VV022391.D  
Acq: 29 Sep 2021 20:32

Instrument :  
MSVOA\_V  
ClientSampled :  
F4A36

Tgt Ion: 97 Resp: 1971

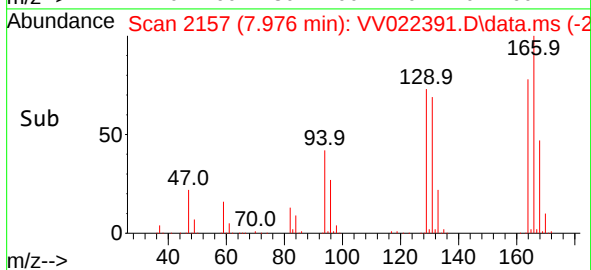
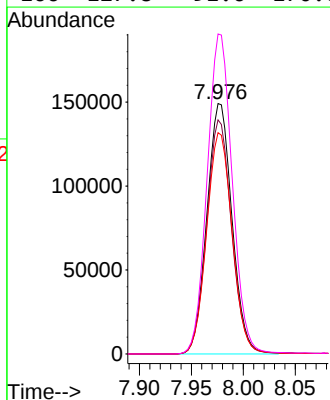
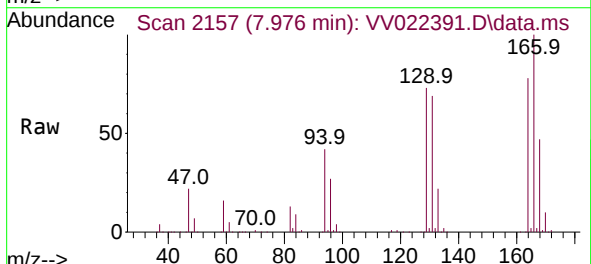
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 97  | 100   |       |        |
| 99  | 15.9  | 44.6  | 82.8#  |
| 83  | 277.8 | 59.8  | 111.1# |
| 85  | 46.0  | 38.8  | 72.0   |

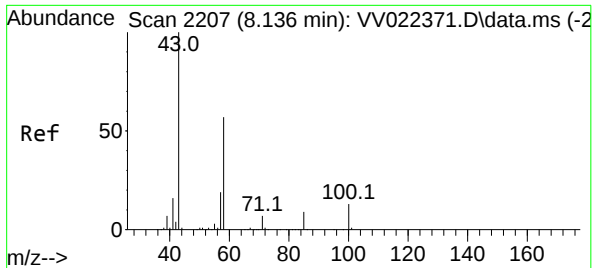


#46  
Tetrachloroethene  
Concen: 166.722 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.003 min  
Lab File: VV022391.D  
Acq: 29 Sep 2021 20:32

Tgt Ion: 164 Resp: 250900

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 93.5  | 66.4  | 123.4 |
| 131 | 88.4  | 63.6  | 118.0 |
| 166 | 127.8 | 91.6  | 170.0 |

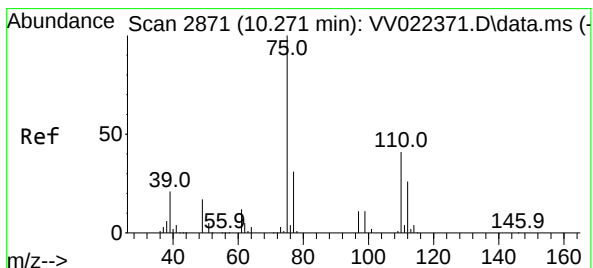
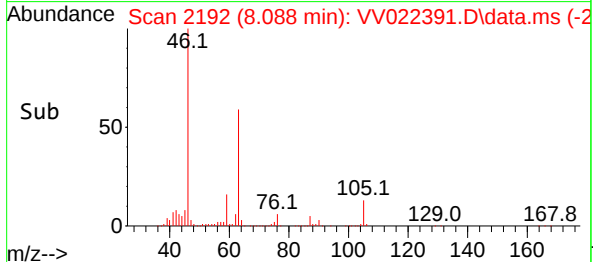
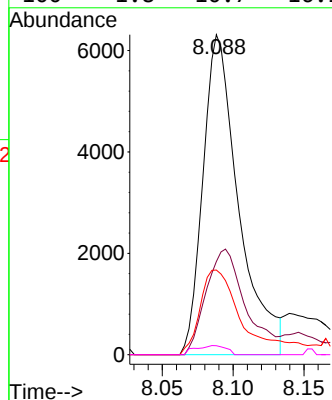
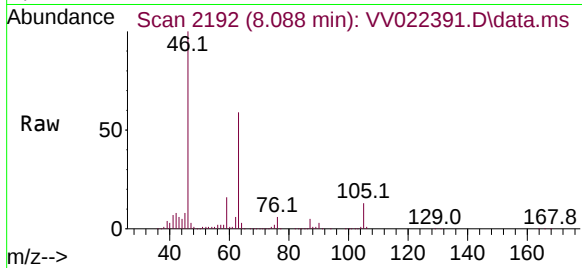




#48  
2-Hexanone  
Concen: 5.658 ug/L  
RT: 8.088 min Scan# 2192  
Delta R.T. -0.048 min  
Lab File: VV022391.D  
Acq: 29 Sep 2021 20:32

Instrument :  
MSVOA\_V  
ClientSampled :  
F4A36

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 11029 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 36.3     | 45.4 68.2#  |
| 57 30.2     | 15.0 22.4#  |
| 100 1.8     | 10.7 16.1#  |



#61  
1,2,3-Trichloropropane  
Concen: 5.980 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.977 min  
Lab File: VV022391.D  
Acq: 29 Sep 2021 20:32

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 11462 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 33.0     | 25.4 38.0   |
| 110 3.6     | 32.6 48.8#  |

