

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092921\  
 Data File : VV022383.D  
 Acq On : 29 Sep 2021 17:19  
 Operator : SY/MD  
 Sample : M3978-03  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4A15

Quant Time: Sep 30 05:29:50 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

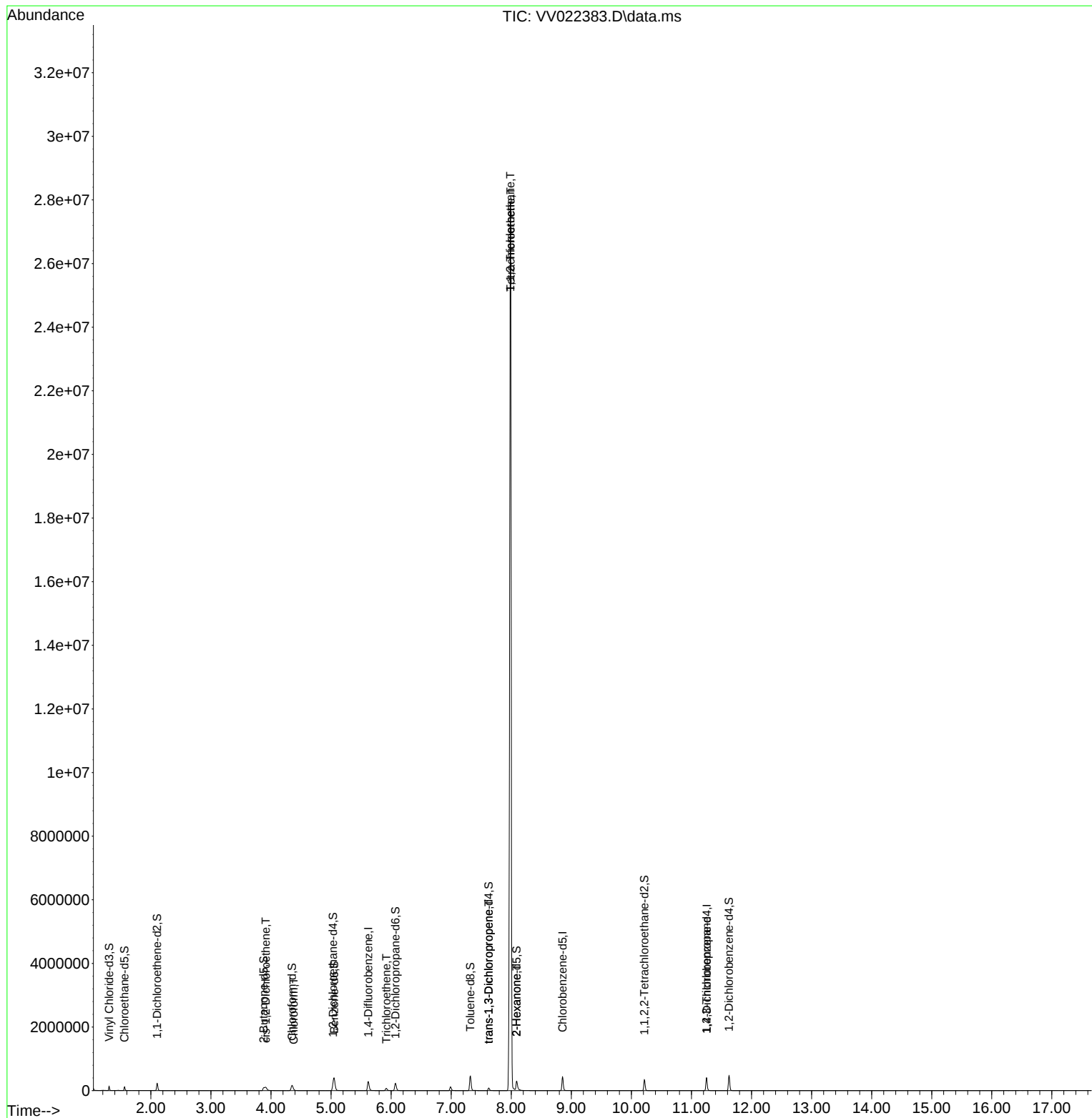
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 254378     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 246935     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252         | 152  | 110854     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 80452      | 37.267   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 74.540%  |        |          |
| 7) Chloroethane-d5            | 1.561          | 69   | 72729      | 42.594   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 85.180%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 117290     | 31.249   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 62.500%  |        |          |
| 21) 2-Butanone-d5             | 3.880          | 46   | 134814     | 88.487   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 88.490%  |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 172139     | 44.159   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.320%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 107383     | 44.921   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.840%  |        |          |
| 32) Benzene-d6                | 5.053          | 84   | 351496     | 45.247   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.500%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 115546     | 46.493   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 92.980%  |        |          |
| 41) Toluene-d8                | 7.320          | 98   | 313599     | 44.105   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.200%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 47396      | 41.764   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.520%  |        |          |
| 47) 2-Hexanone-d5             | 8.088          | 63   | 91469      | 90.577   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 90.580%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 166434     | 46.134   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.260%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 127737     | 51.821   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 103.640% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 20) cis-1,2-Dichloroethene    | 3.912          | 96   | 48574      | 23.635   | ug/L   | 100      |
| 25) Chloroform                | 4.378          | 83   | 3906       | 1.089    | ug/L   | 77       |
| 34) Trichloroethene           | 5.921          | 95   | 25125      | 12.965   | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 7.625          | 75   | 2312       | 0.851    | ug/L   | 86       |
| 45) 1,1,2-Trichloroethane     | 7.985          | 97   | 57217      | 29.069   | ug/L # | 1        |
| 46) Tetrachloroethene         | 7.989          | 164  | 6451632    | 4043.181 | ug/L   | 96       |
| 48) 2-Hexanone                | 8.088          | 43   | 12093      | 5.851    | ug/L # | 75       |
| 61) 1,2,3-Trichloropropane    | 11.249         | 75   | 12804      | 6.191    | ug/L # | 65       |
| -----                         |                |      |            |          |        |          |

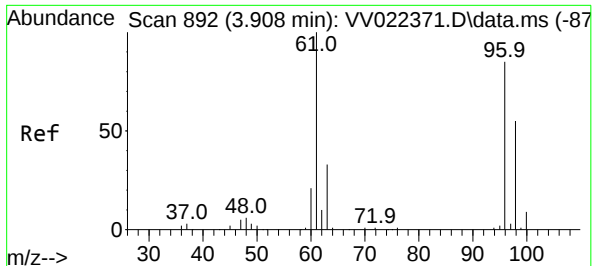
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092921\  
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Sample : M3978-03  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F4A15

Quant Time: Sep 30 05:29:50 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

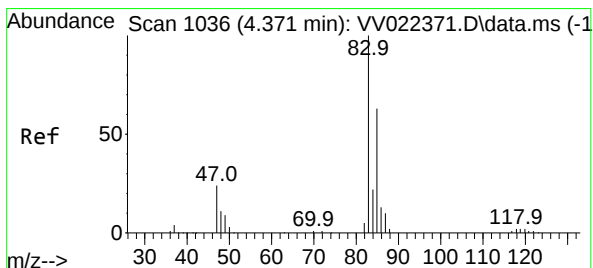
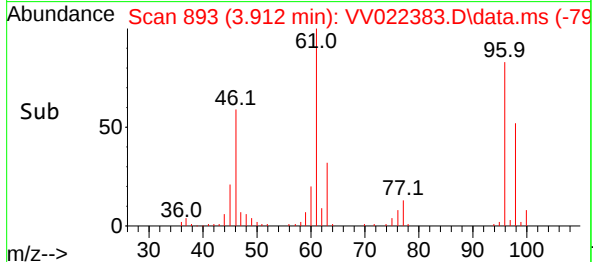
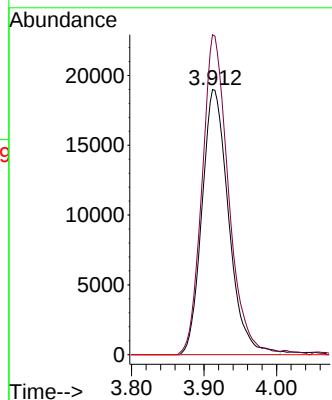
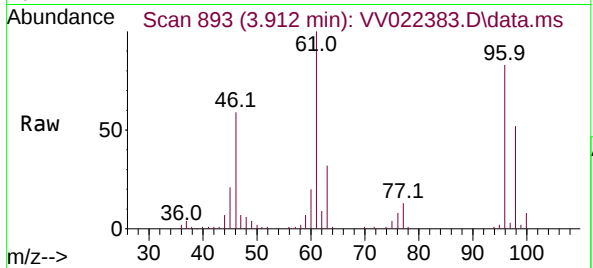




#20  
cis-1,2-Dichloroethene  
Concen: 23.635 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.003 min  
Lab File: VV022383.D  
Acq: 29 Sep 2021 17:19

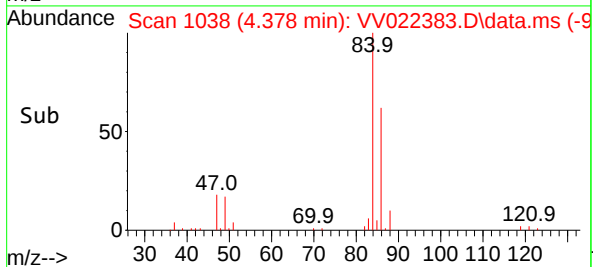
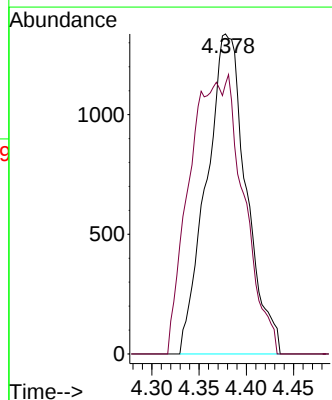
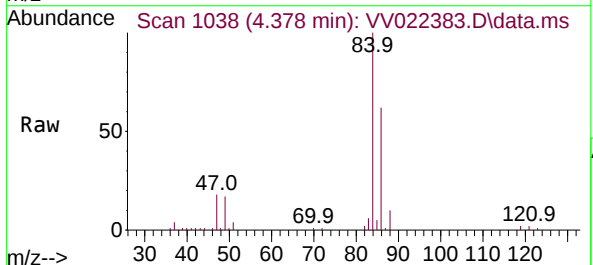
Instrument :  
MSVOA\_V  
ClientSampled :  
F4A15

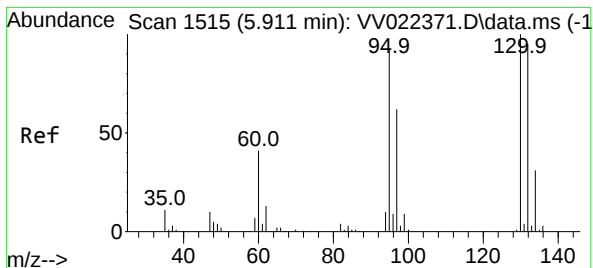
Tgt Ion: 96 Resp: 48574  
Ion Ratio Lower Upper  
96 100  
61 120.7 84.6 157.0  
68 0.0 0.0 0.0



#25  
Chloroform  
Concen: 1.089 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.007 min  
Lab File: VV022383.D  
Acq: 29 Sep 2021 17:19

Tgt Ion: 83 Resp: 3906  
Ion Ratio Lower Upper  
83 100  
85 84.4 46.5 86.3





#34

Trichloroethene

Concen: 12.965 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.010 min

Lab File: VV022383.D

Acq: 29 Sep 2021 17:19

Tgt Ion: 95 Resp: 25125

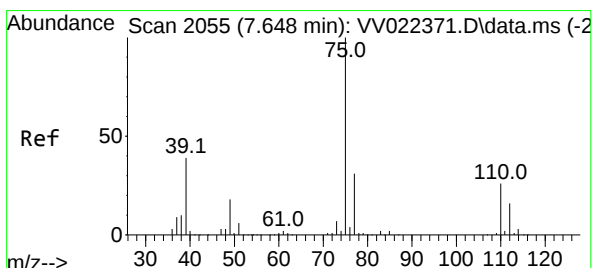
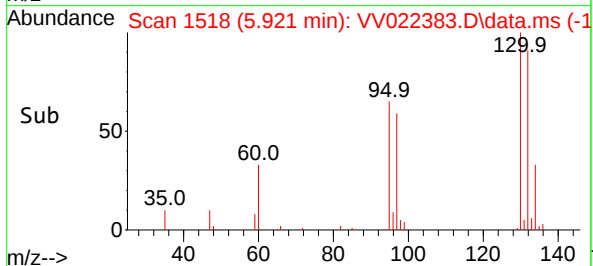
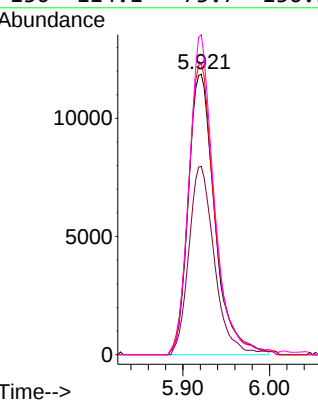
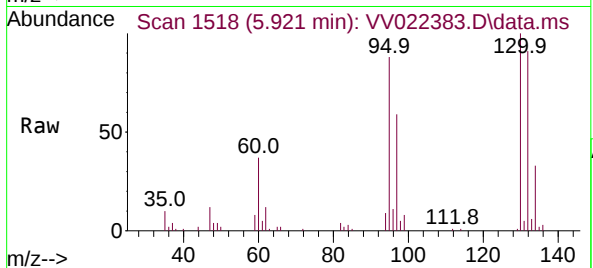
Ion Ratio Lower Upper

95 100

97 67.1 45.2 84.0

132 103.7 71.0 131.8

130 114.1 73.7 136.9



#44

trans-1,3-Dichloropropene

Concen: 0.851 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.022 min

Lab File: VV022383.D

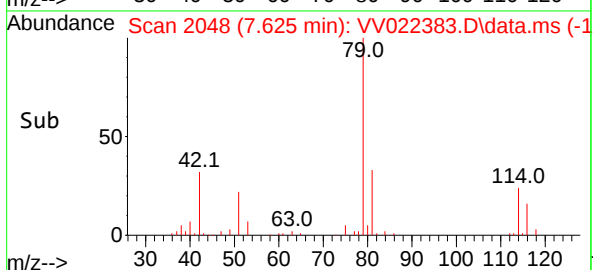
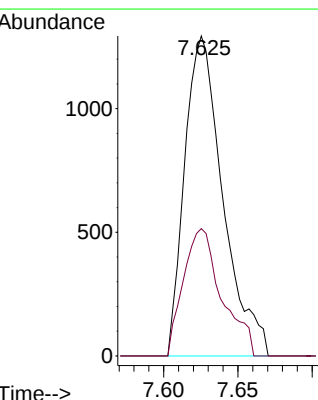
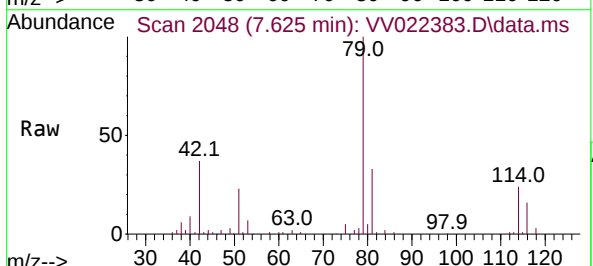
Acq: 29 Sep 2021 17:19

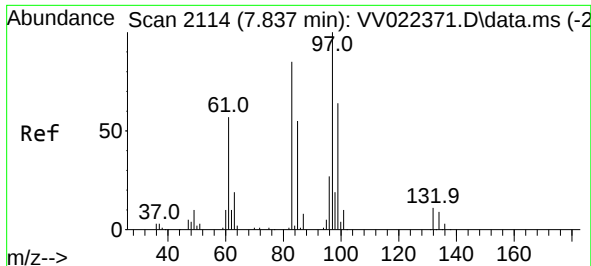
Tgt Ion: 75 Resp: 2312

Ion Ratio Lower Upper

75 100

77 39.8 22.3 41.3



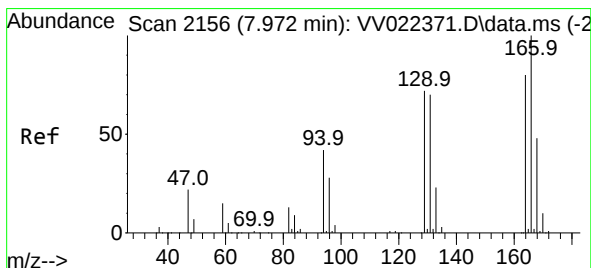
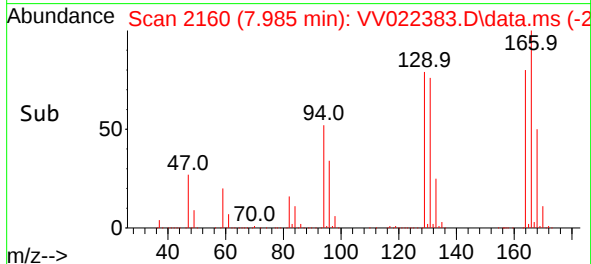
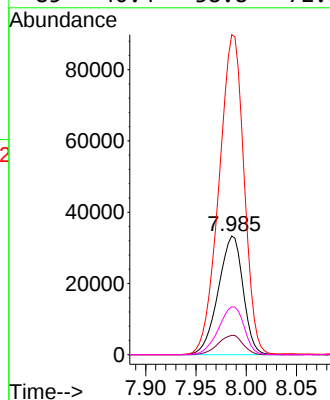
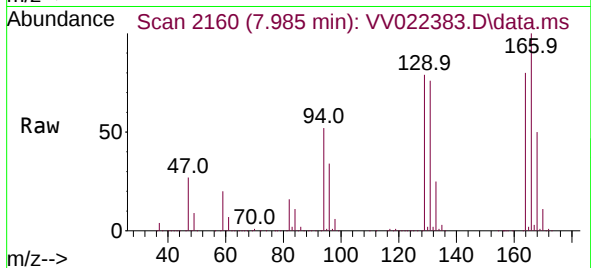


#45

1,1,2-Trichloroethane  
Concen: 29.069 ug/L  
RT: 7.985 min Scan# 2160  
Delta R.T. 0.148 min  
Lab File: VV022383.D  
Acq: 29 Sep 2021 17:19

Instrument :  
MSVOA\_V  
ClientSampled :  
F4A15

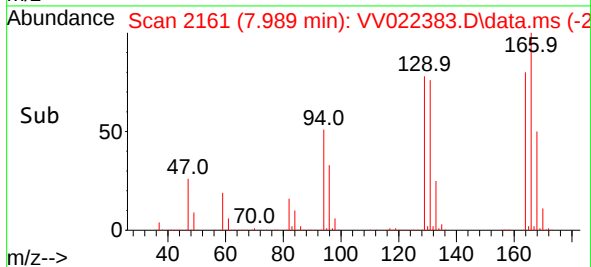
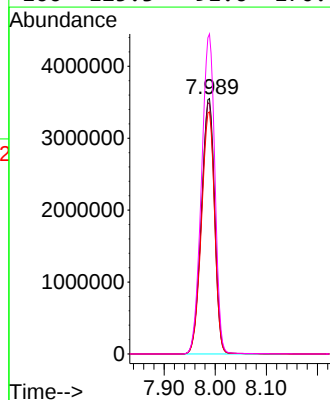
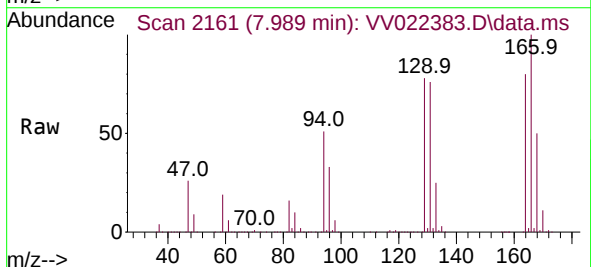
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 57217 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 16.3     | 44.6 82.8#  |
| 83 269.7    | 59.8 111.1# |
| 85 40.4     | 38.8 72.0   |

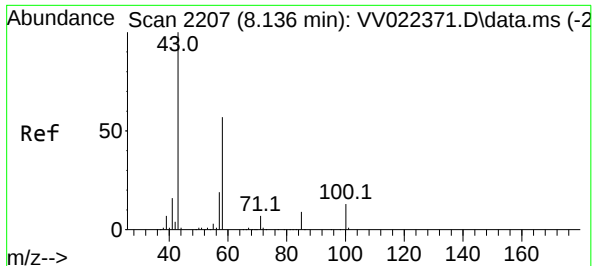


#46

Tetrachloroethene  
Concen: 4043.181 ug/L  
RT: 7.989 min Scan# 2161  
Delta R.T. 0.016 min  
Lab File: VV022383.D  
Acq: 29 Sep 2021 17:19

|              |               |
|--------------|---------------|
| Tgt Ion: 164 | Resp: 6451632 |
| Ion Ratio    | Lower Upper   |
| 164 100      |               |
| 129 98.1     | 66.4 123.4    |
| 131 94.9     | 63.6 118.0    |
| 166 125.3    | 91.6 170.0    |

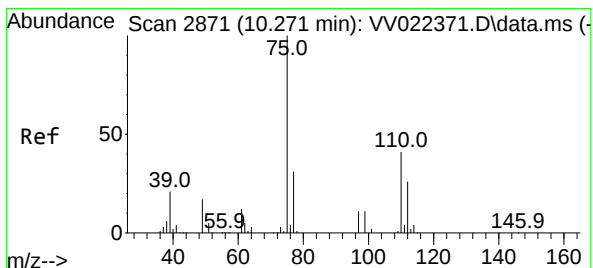
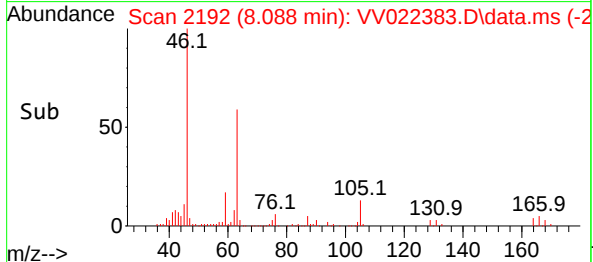
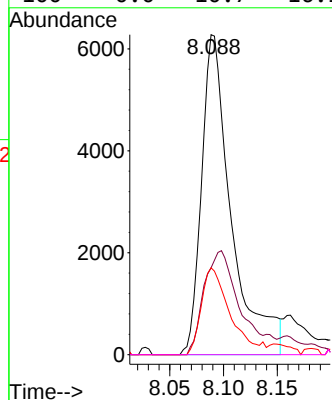
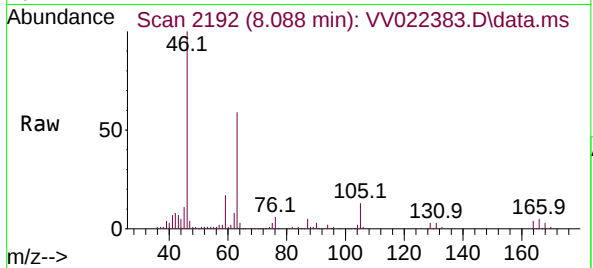




#48  
2-Hexanone  
Concen: 5.851 ug/L  
RT: 8.088 min Scan# 2192  
Delta R.T. -0.048 min  
Lab File: VV022383.D  
Acq: 29 Sep 2021 17:19

Instrument :  
MSVOA\_V  
ClientSampled :  
F4A15

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 12093 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 37.6     | 45.4 68.2#  |
| 57 25.8     | 15.0 22.4#  |
| 100 0.0     | 10.7 16.1#  |



#61  
1,2,3-Trichloropropane  
Concen: 6.191 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.978 min  
Lab File: VV022383.D  
Acq: 29 Sep 2021 17:19

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 12804 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 31.1     | 25.4 38.0   |
| 110 2.8     | 32.6 48.8#  |

