

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100221\  
 Data File : VV022517.D  
 Acq On : 02 Oct 2021 17:42  
 Operator : SY/MD  
 Sample : M3997-02DL 4X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 04 02:01:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 04 01:01:56 2021  
 Response via : Initial Calibration

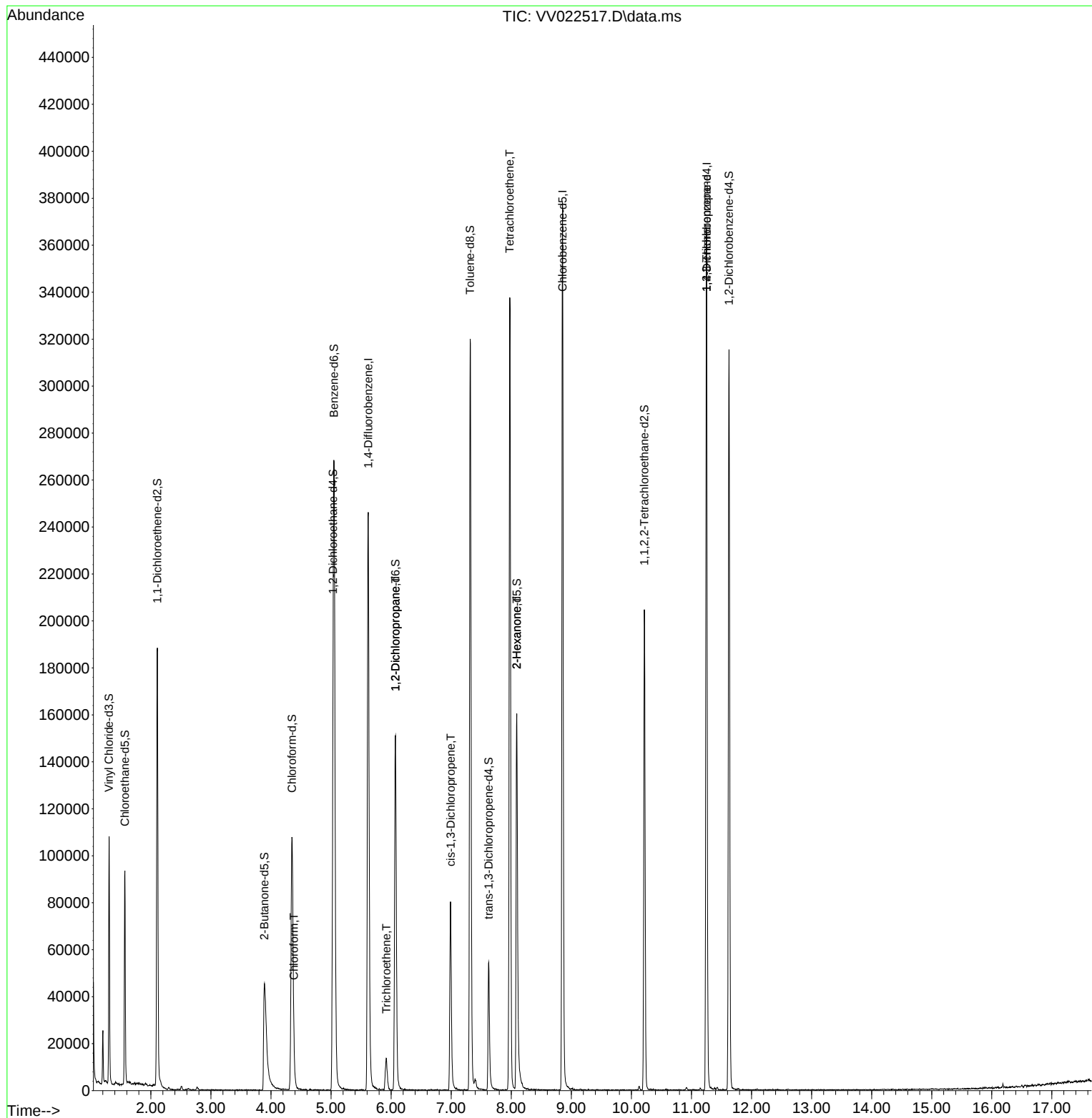
| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114            | 220817   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.854   | 117            | 210867   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152            | 99067    | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65             | 65006    | 47.600  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 95.200%  |          |
| 7) Chloroethane-d5            | 1.568   | 69             | 53577    | 49.909  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 99.820%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63             | 96290    | 35.759  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 71.520%  |          |
| 21) 2-Butanone-d5             | 3.889   | 46             | 85844    | 114.196 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 114.200% |          |
| 24) Chloroform-d              | 4.349   | 84             | 113083   | 45.322  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 90.640%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65             | 72735    | 50.252  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 100.500% |          |
| 32) Benzene-d6                | 5.050   | 84             | 238483   | 48.818  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 97.640%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67             | 72464    | 48.185  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 96.380%  |          |
| 41) Toluene-d8                | 7.317   | 98             | 214635   | 47.899  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 95.800%  |          |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79             | 31955    | 44.910  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 89.820%  |          |
| 47) 2-Hexanone-d5             | 8.091   | 63             | 55277    | 88.729  | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 88.730%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84             | 94940    | 45.400  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 90.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152            | 83543    | 51.712  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 103.420% |          |
| Target Compounds              |         |                |          |         |          |          |
| 25) Chloroform                | 4.381   | 83             | 5415     | 1.796   | ug/L     | 92       |
| 34) Trichloroethene           | 5.921   | 95             | 3049     | 1.794   | ug/L     | 92       |
| 37) 1,2-Dichloropropane       | 6.072   | 63             | 8377     | 5.025   | ug/L #   | 85       |
| 39) cis-1,3-Dichloropropene   | 6.992   | 75             | 2043     | 0.815   | ug/L #   | 60       |
| 46) Tetrachloroethene         | 7.976   | 164            | 77537    | 54.482  | ug/L     | 98       |
| 48) 2-Hexanone                | 8.091   | 43             | 6272     | 3.501   | ug/L #   | 63       |
| 61) 1,2,3-Trichloropropane    | 11.249  | 75             | 10816    | 5.741   | ug/L #   | 63       |

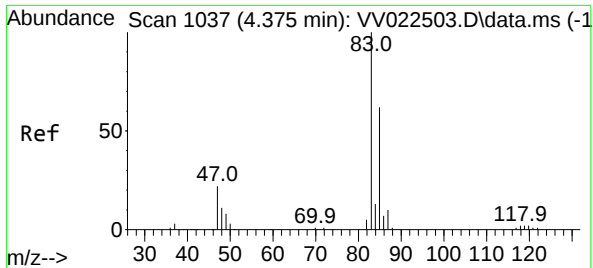
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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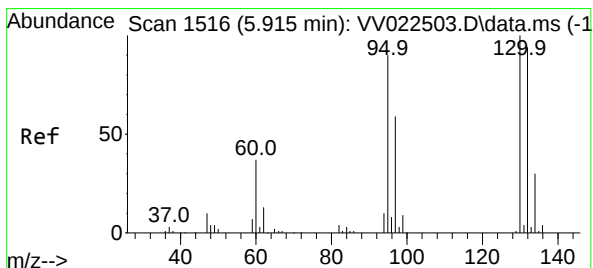
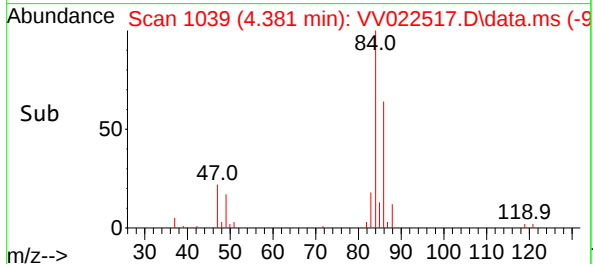
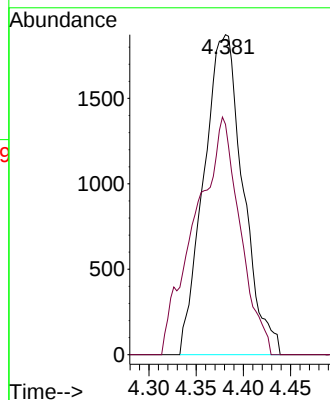
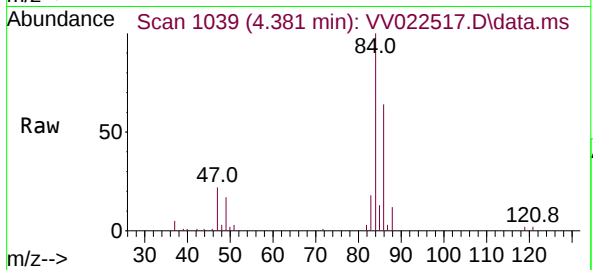


#25

Chloroform  
Concen: 1.796 ug/L  
RT: 4.381 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VV022517.D  
Acq: 02 Oct 2021 17:42

Instrument :  
MSVOA\_V  
ClientSampleId :

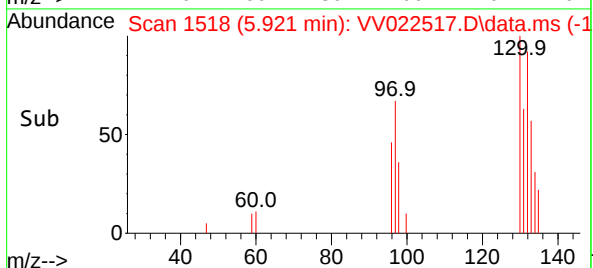
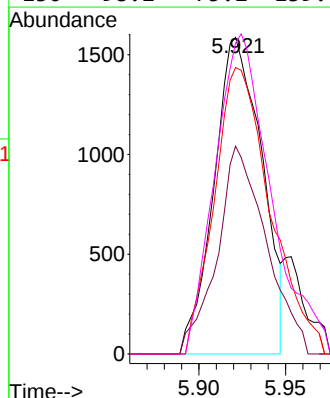
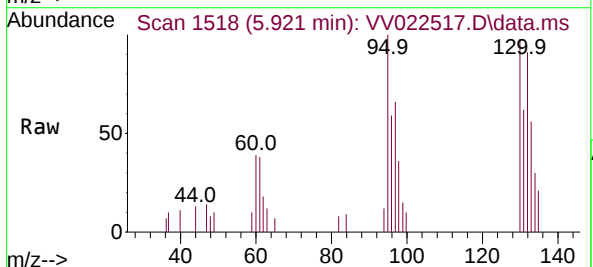
Tgt Ion: 83 Resp: 5415  
Ion Ratio Lower Upper  
83 100  
85 72.0 45.8 85.0

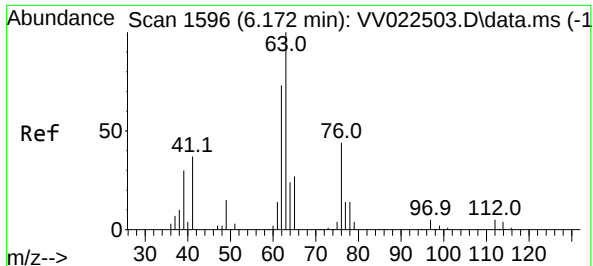


#34

Trichloroethene  
Concen: 1.794 ug/L  
RT: 5.921 min Scan# 1518  
Delta R.T. 0.006 min  
Lab File: VV022517.D  
Acq: 02 Oct 2021 17:42

Tgt Ion: 95 Resp: 3049  
Ion Ratio Lower Upper  
95 100  
97 65.7 45.4 84.4  
132 90.5 71.5 132.9  
130 98.2 75.2 139.6





#37

1,2-Dichloropropane

Concen: 5.025 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV022517.D

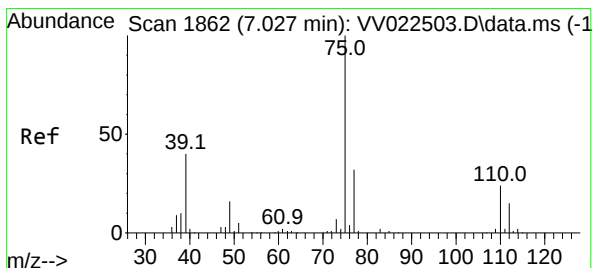
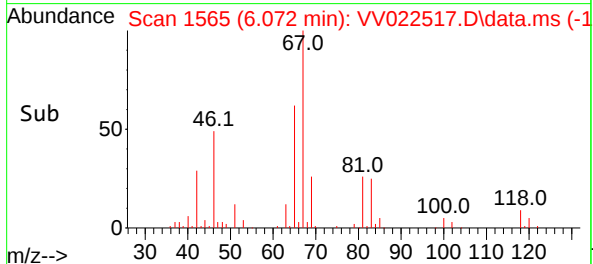
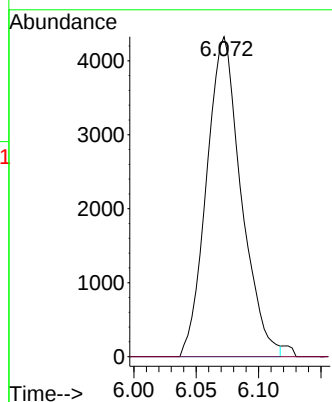
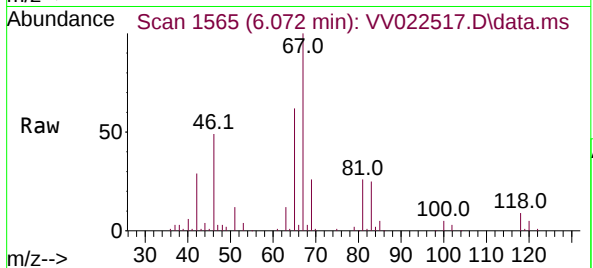
Acq: 02 Oct 2021 17:42

Tgt Ion: 63 Resp: 8377

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



#39

cis-1,3-Dichloropropene

Concen: 0.815 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV022517.D

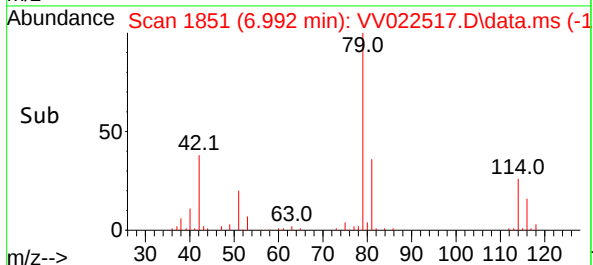
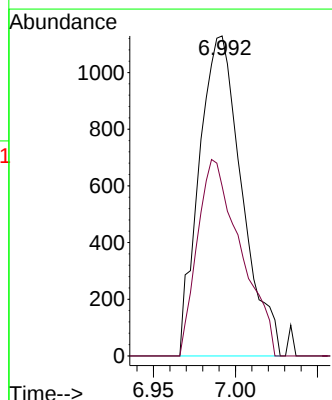
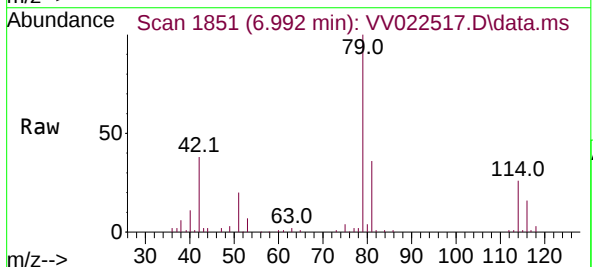
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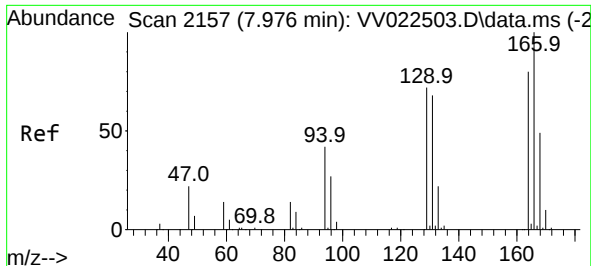
Tgt Ion: 75 Resp: 2043

Ion Ratio Lower Upper

75 100

77 53.1 21.6 40.2#



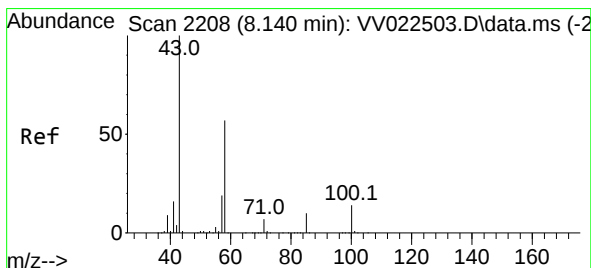
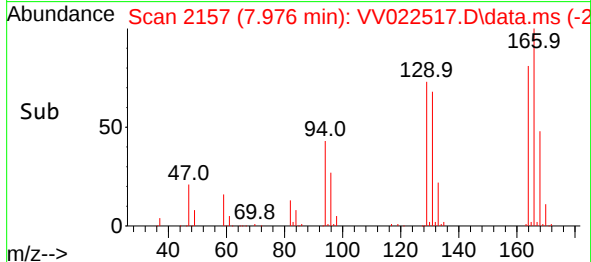
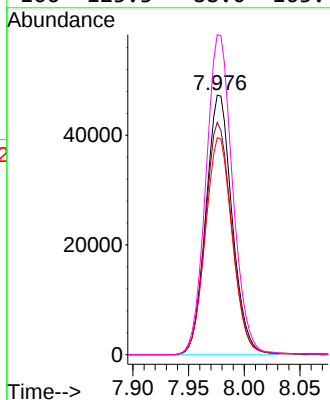
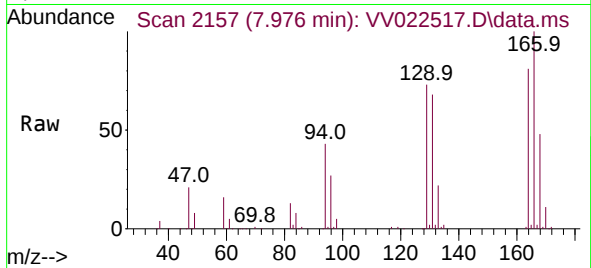


#46  
Tetrachloroethene  
Concen: 54.482 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: VV022517.D  
Acq: 02 Oct 2021 17:42

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:164 Resp: 77537

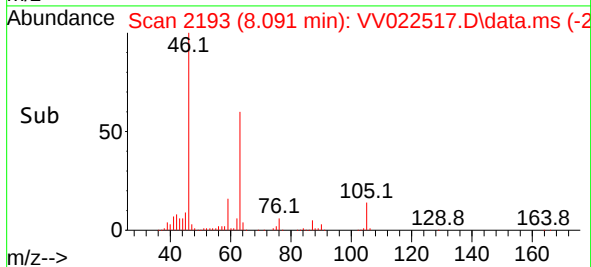
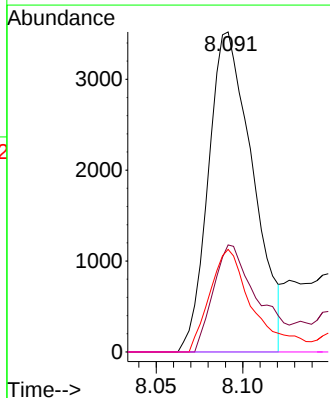
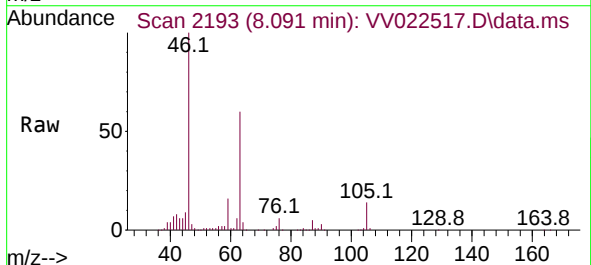
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.5  | 64.6  | 120.0 |
| 131 | 83.6  | 59.9  | 111.3 |
| 166 | 123.3 | 88.0  | 163.4 |

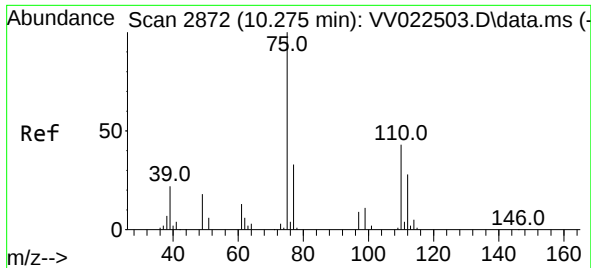


#48  
2-Hexanone  
Concen: 3.501 ug/L  
RT: 8.091 min Scan# 2193  
Delta R.T. -0.048 min  
Lab File: VV022517.D  
Acq: 02 Oct 2021 17:42

Tgt Ion: 43 Resp: 6272

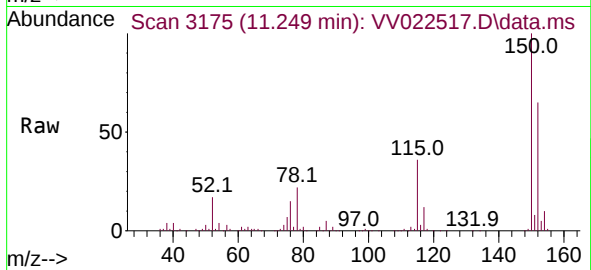
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.8  | 47.0  | 70.4# |
| 57  | 31.6  | 15.8  | 23.6# |
| 100 | 0.0   | 11.8  | 17.6# |





#61  
 1,2,3-Trichloropropane  
 Concen: 5.741 ug/L  
 RT: 11.249 min Scan# 3175  
 Delta R.T. 0.974 min  
 Lab File: VV022517.D  
 Acq: 02 Oct 2021 17:42

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 75 Resp: 10816  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 26.0 39.0  
 110 2.6 34.3 51.5#

