

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW030922\  
 Data File : VW022258.D  
 Acq On : 09 Mar 2022 17:09  
 Operator : SY/VA  
 Sample : N1818-03  
 Misc : 6.08g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 10 04:16:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Mar 10 04:11:04 2022  
 Response via : Initial Calibration

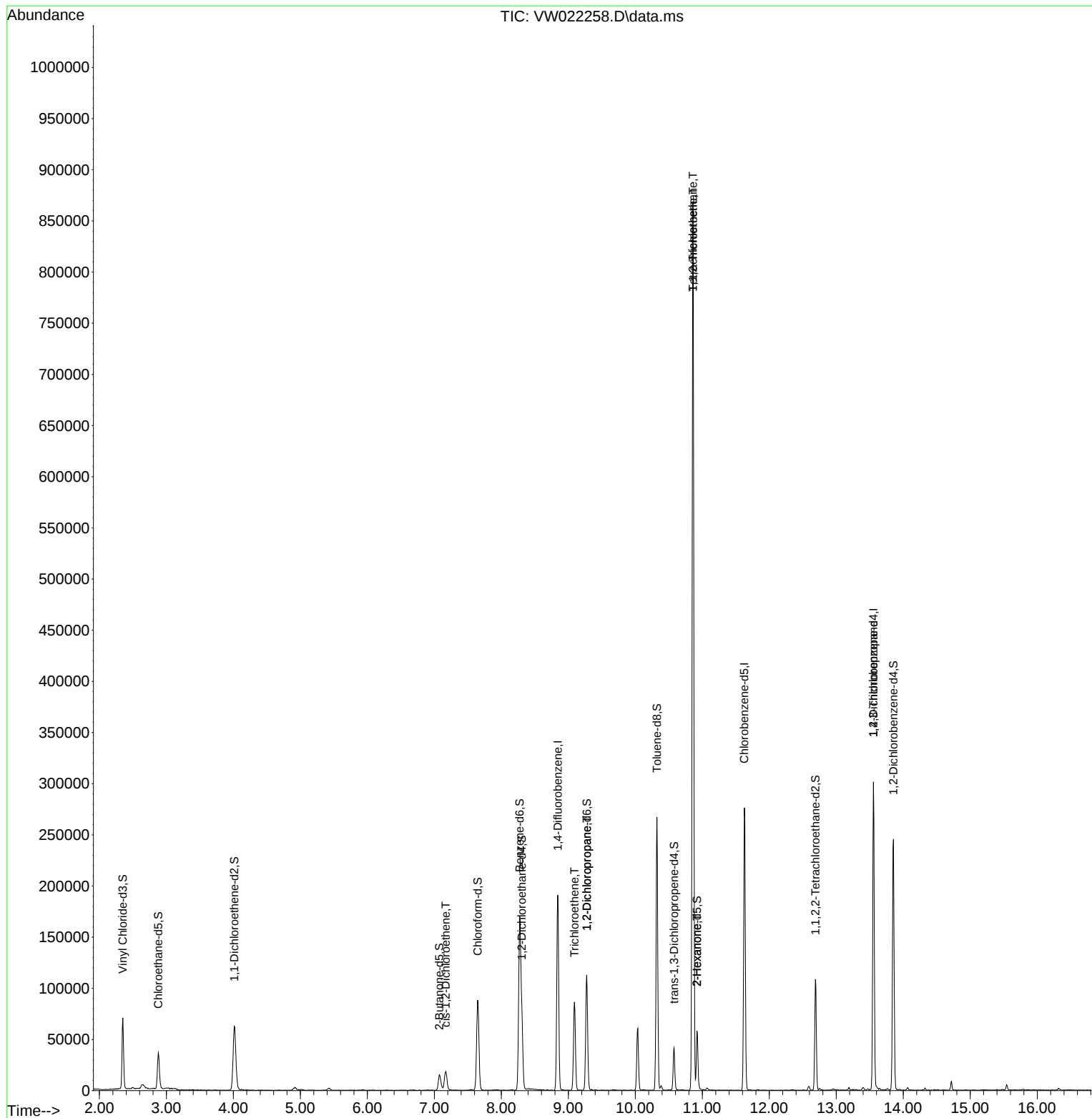
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 168406   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 164767   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 75597    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 63201    | 28.773   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 115.080% |
| 7) Chloroethane-d5            | 2.879  | 69    | 38784    | 22.441   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.760%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 58973    | 17.532   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 70.120%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 24606    | 66.626   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 133.260% |
| 24) Chloroform-d              | 7.647  | 84    | 89305    | 23.768   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 51033    | 26.129   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.520% |
| 32) Benzene-d6                | 8.275  | 84    | 179758   | 23.442   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 49652    | 23.316   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.280%  |
| 41) Toluene-d8                | 10.323 | 98    | 173694   | 22.784   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.120%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 22518    | 23.848   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 95.400%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 19740    | 56.360   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 49950    | 26.727   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.920% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 65958    | 27.164   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 108.640% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 11515    | 5.563    | ug/L   | 97       |
| 34) Trichloroethene           | 9.092  | 95    | 29465    | 12.918   | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 9.274  | 63    | 5904     | 3.177    | ug/L # | 85       |
| 45) 1,1,2-Trichloroethane     | 10.860 | 97    | 1859     | 1.128    | ug/L # | 3        |
| 46) Tetrachloroethene         | 10.860 | 164   | 188399   | 94.291   | ug/L   | 87       |
| 48) 2-Hexanone                | 10.921 | 43    | 2567     | 3.685    | ug/L # | 63       |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 8961     | 7.510    | ug/L # | 60       |
| -----                         |        |       |          |          |        |          |

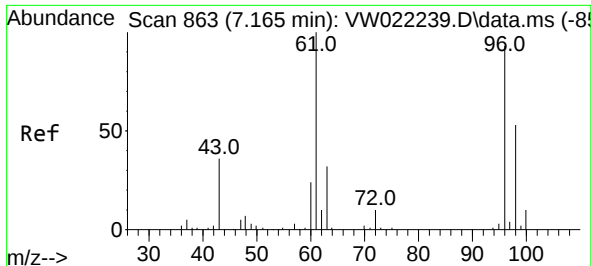
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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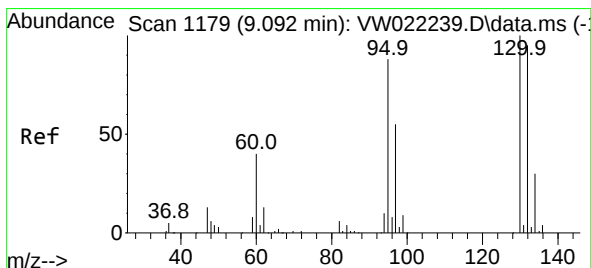
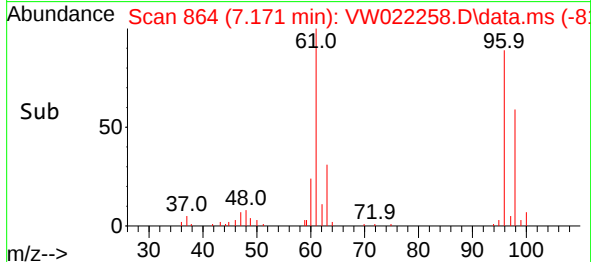
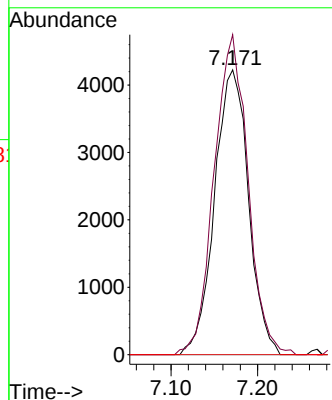
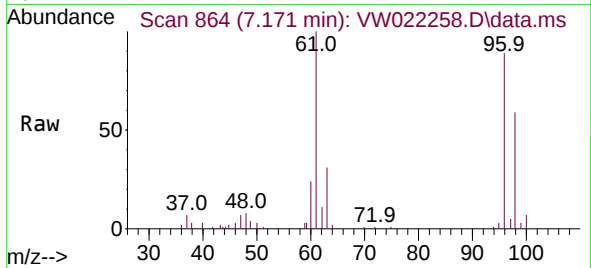




#20  
cis-1,2-Dichloroethene  
Concen: 5.563 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.006 min  
Lab File: VW022258.D  
Acq: 09 Mar 2022 17:09

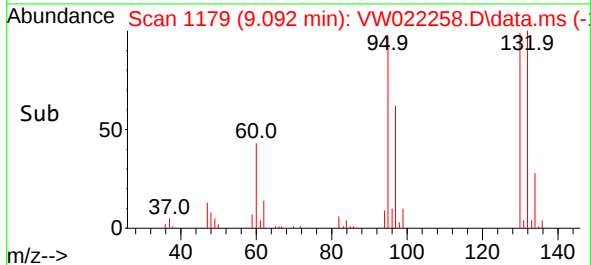
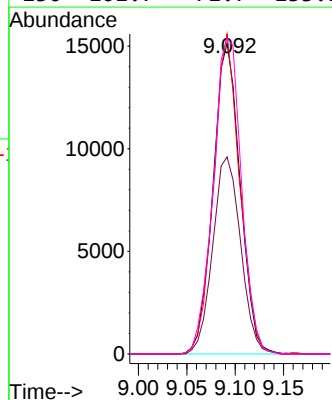
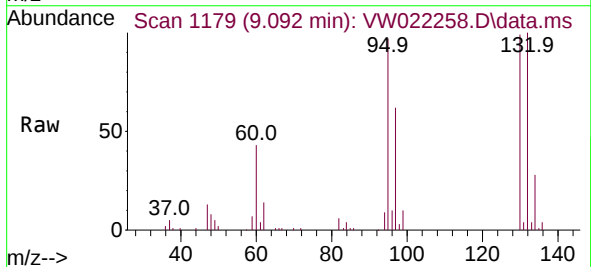
Instrument :  
MSVOA\_W  
ClientSampleId :

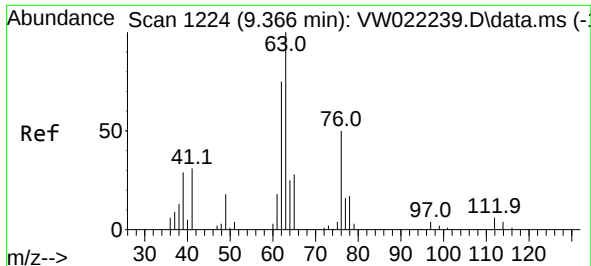
Tgt Ion: 96 Resp: 11515  
Ion Ratio Lower Upper  
96 100  
61 112.4 76.8 142.6  
68 0.0 0.0 0.0



#34  
Trichloroethene  
Concen: 12.918 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW022258.D  
Acq: 09 Mar 2022 17:09

Tgt Ion: 95 Resp: 29465  
Ion Ratio Lower Upper  
95 100  
97 63.4 44.4 82.4  
132 103.0 71.7 133.1  
130 101.7 71.7 133.1





#37

1,2-Dichloropropane

Concen: 3.177 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.091 min

Lab File: VW022258.D

Acq: 09 Mar 2022 17:09

Instrument :

MSVOA\_W

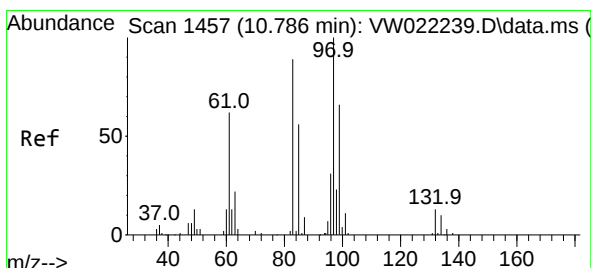
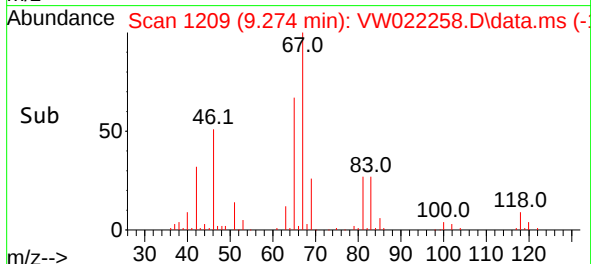
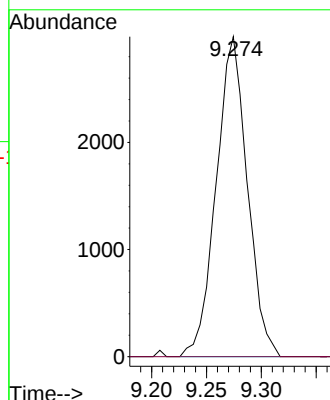
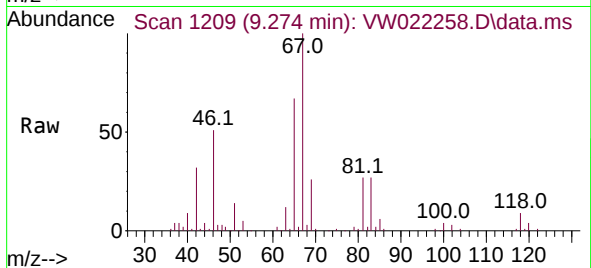
ClientSampleId :

Tgt Ion: 63 Resp: 5904

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



#45

1,1,2-Trichloroethane

Concen: 1.128 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.073 min

Lab File: VW022258.D

Acq: 09 Mar 2022 17:09

Tgt Ion: 97 Resp: 1859

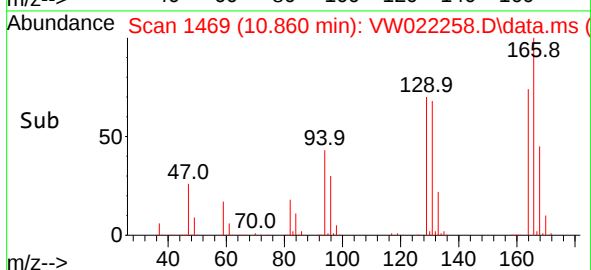
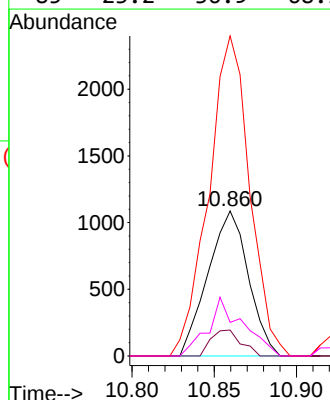
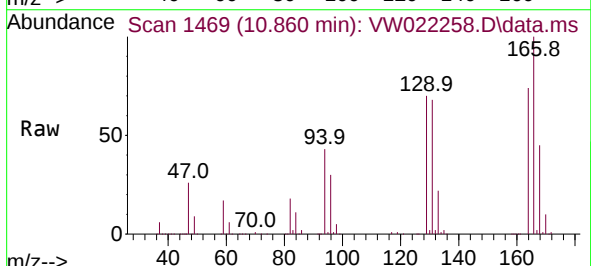
Ion Ratio Lower Upper

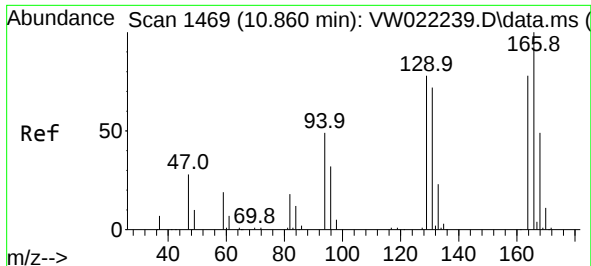
97 100

99 17.8 43.5 80.7#

83 220.7 53.5 99.3#

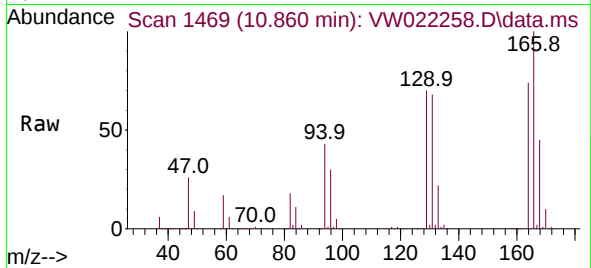
85 23.2 36.9 68.5#



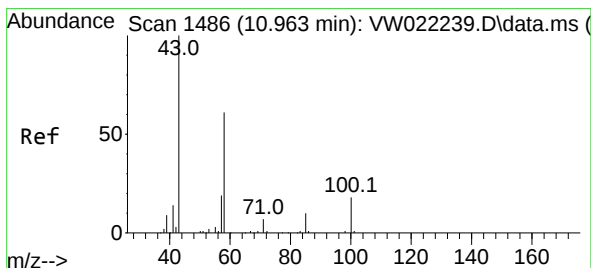
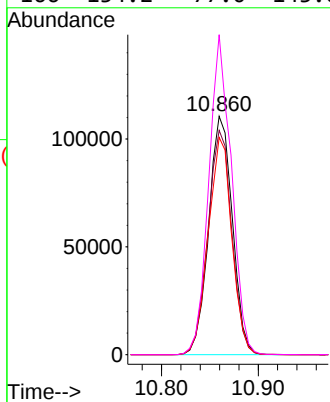
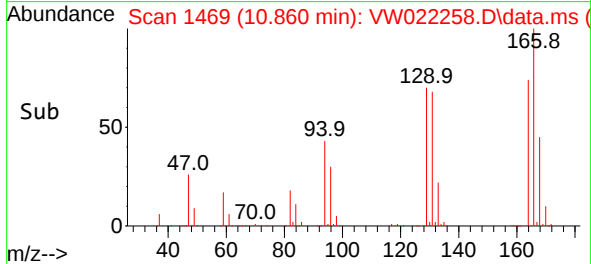


#46  
Tetrachloroethene  
Concen: 94.291 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW022258.D  
Acq: 09 Mar 2022 17:09

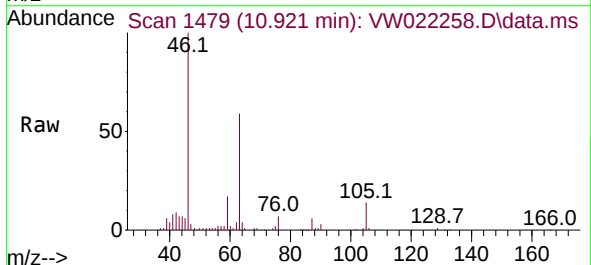
Instrument :  
MSVOA\_W  
ClientSampleId :



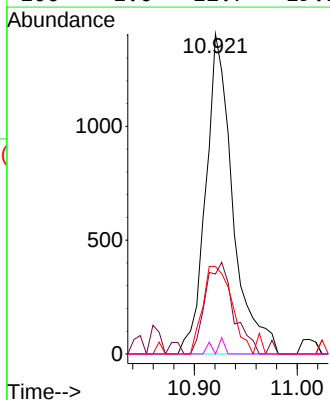
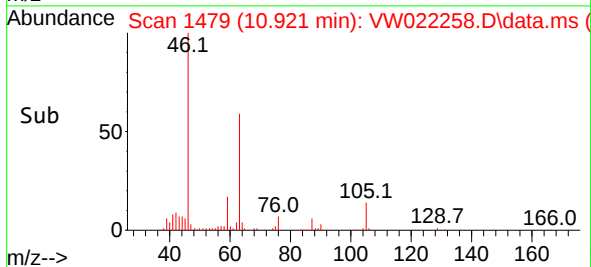
Tgt Ion:164 Resp: 188399  
Ion Ratio Lower Upper  
164 100  
129 94.1 60.3 111.9  
131 91.2 59.9 111.3  
166 134.2 77.0 143.0

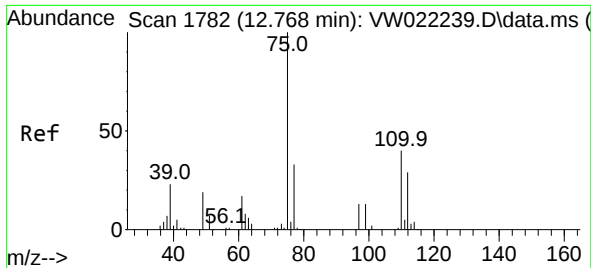


#48  
2-Hexanone  
Concen: 3.685 ug/L  
RT: 10.921 min Scan# 1479  
Delta R.T. -0.043 min  
Lab File: VW022258.D  
Acq: 09 Mar 2022 17:09



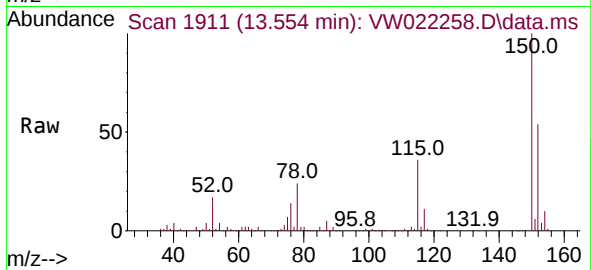
Tgt Ion: 43 Resp: 2567  
Ion Ratio Lower Upper  
43 100  
58 29.8 44.6 66.8#  
57 1.3 15.8 23.8#  
100 1.0 12.7 19.1#





#61  
 1,2,3-Trichloropropane  
 Concen: 7.510 ug/L  
 RT: 13.554 min Scan# 1911  
 Delta R.T. 0.786 min  
 Lab File: VW022258.D  
 Acq: 09 Mar 2022 17:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 8961       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 38.8  | 27.1 40.7  |
| 110         | 3.9   | 36.7 55.1# |

