

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092321\  
 Data File : VW020169.D  
 Acq On : 24 Sep 2021 01:47  
 Operator : SY/VA  
 Sample : M3877-14  
 Misc : 5.99g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 24 03:05:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 24 02:49:39 2021  
 Response via : Initial Calibration

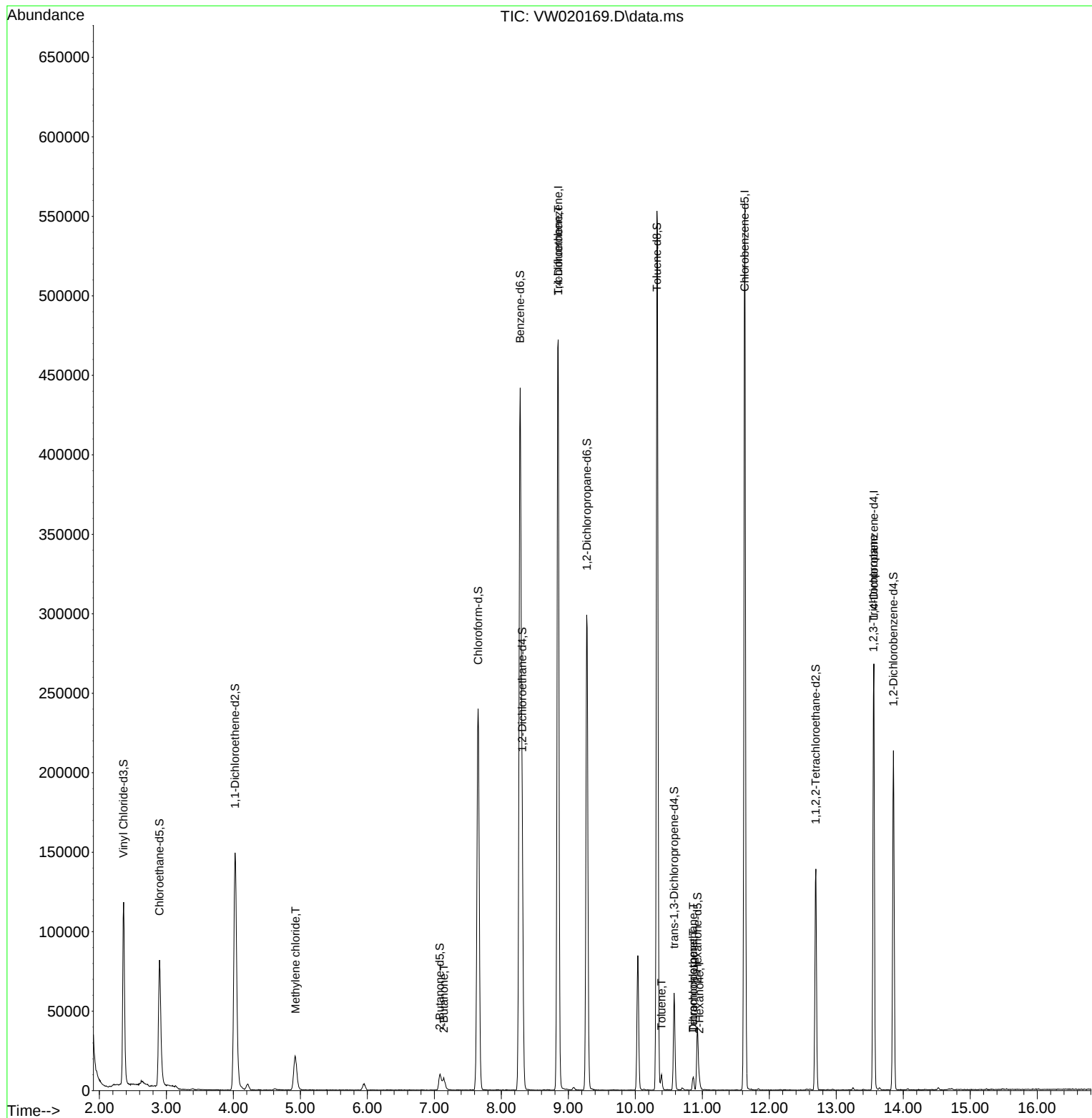
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 379237   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 290871   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 65869    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 133021   | 17.145   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 68.600%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 109205   | 18.685   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.720%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 163248   | 13.439   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 53.760%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 17175    | 14.346   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 28.700%  |
| 24) Chloroform-d              | 7.653  | 84    | 243657   | 20.429   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 81.720%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 122460   | 19.078   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 76.320%  |
| 32) Benzene-d6                | 8.281  | 84    | 438952   | 23.654   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 94.600%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 134006   | 24.952   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.800%  |
| 41) Toluene-d8                | 10.323 | 98    | 361917   | 21.434   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 85.720%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 32066    | 13.969   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 55.880%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 11203    | 15.074   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 30.140%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 67293    | 16.244   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 64.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 52705    | 21.339   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 85.360%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 16) Methylene chloride        | 4.928  | 84    | 17150    | 2.563    | ug/L   | 92       |
| 22) 2-Butanone                | 7.141  | 43    | 6468     | 4.862    | ug/L # | 47       |
| 34) Trichloroethene           | 8.848  | 95    | 12061    | 2.567    | ug/L # | 5        |
| 42) Toluene                   | 10.390 | 91    | 6073     | 0.326    | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.866 | 164   | 1893     | 0.521    | ug/L   | 88       |
| 48) 2-Hexanone                | 10.957 | 43    | 2516     | 1.649    | ug/L # | 38       |
| 49) Dibromochloromethane      | 10.866 | 129   | 1565     | 0.420    | ug/L # | 9        |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 8581     | 6.899    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

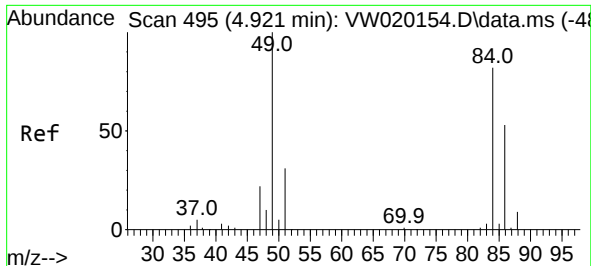
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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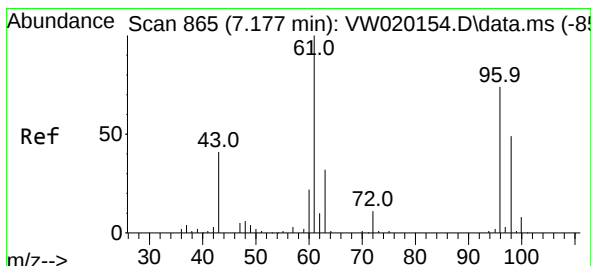
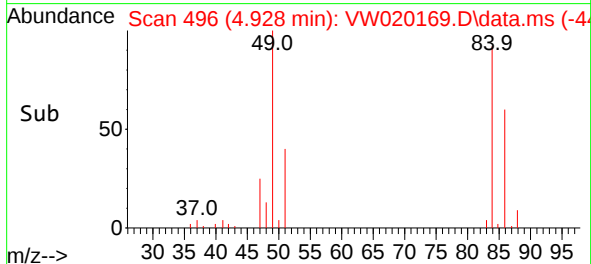
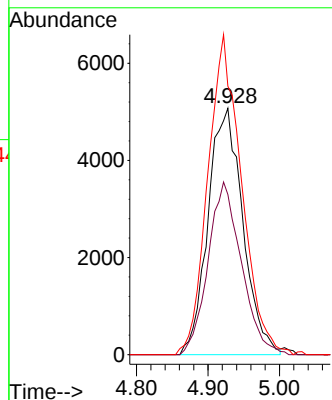
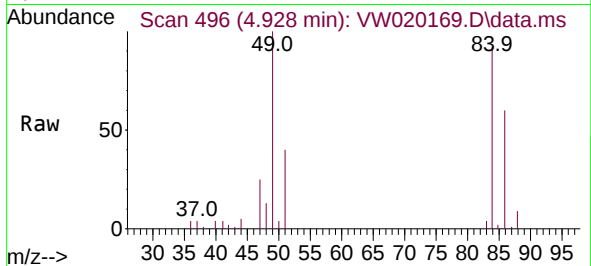




#16  
Methylene chloride  
Concen: 2.563 ug/L  
RT: 4.928 min Scan# 496  
Delta R.T. 0.006 min  
Lab File: VW020169.D  
Acq: 24 Sep 2021 01:47

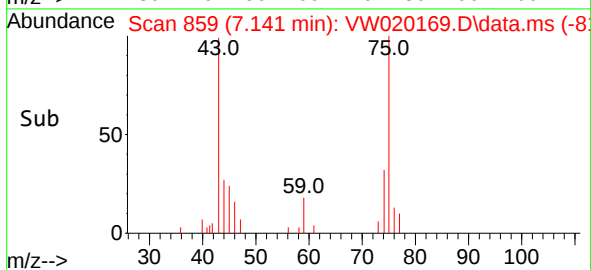
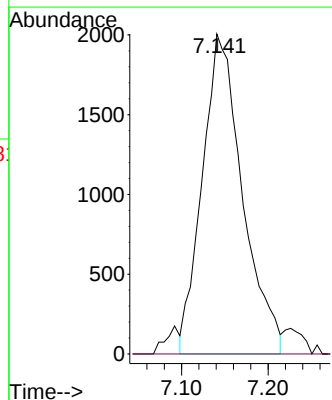
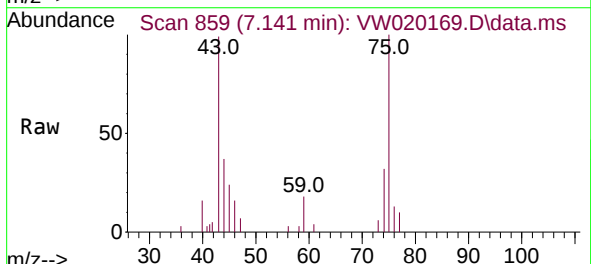
Instrument :  
MSVOA\_W  
ClientSampled :

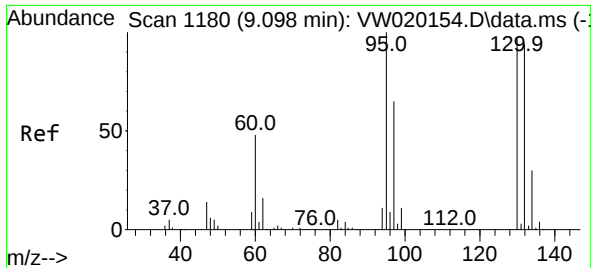
Tgt Ion: 84 Resp: 17150  
Ion Ratio Lower Upper  
84 100  
86 65.0 42.6 79.0  
49 109.0 83.4 154.8



#22  
2-Butanone  
Concen: 4.862 ug/L  
RT: 7.141 min Scan# 859  
Delta R.T. -0.036 min  
Lab File: VW020169.D  
Acq: 24 Sep 2021 01:47

Tgt Ion: 43 Resp: 6468  
Ion Ratio Lower Upper  
43 100  
72 0.0 14.1 42.2#

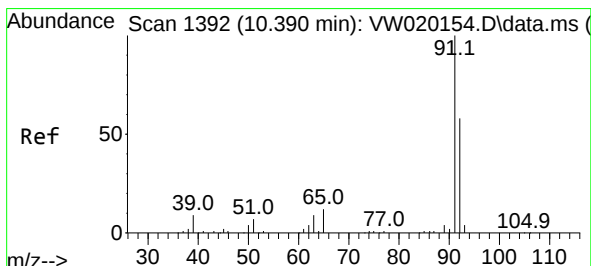
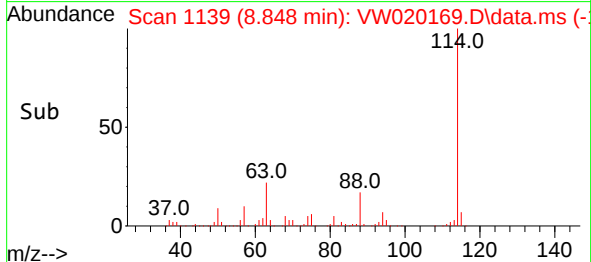
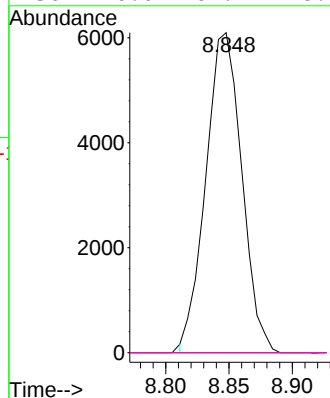
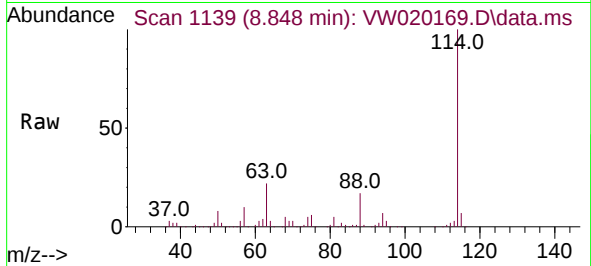




#34  
 Trichloroethene  
 Concen: 2.567 ug/L  
 RT: 8.848 min Scan# 1139  
 Delta R.T. -0.250 min  
 Lab File: VW020169.D  
 Acq: 24 Sep 2021 01:47

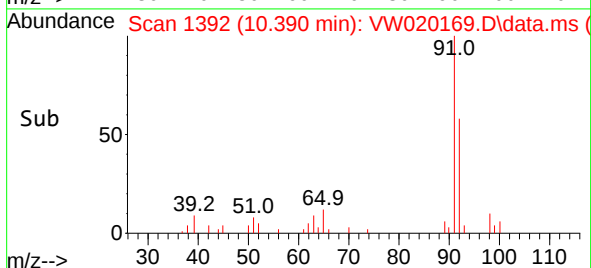
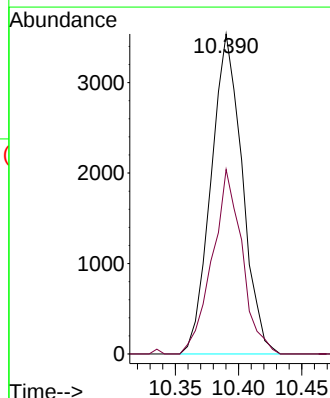
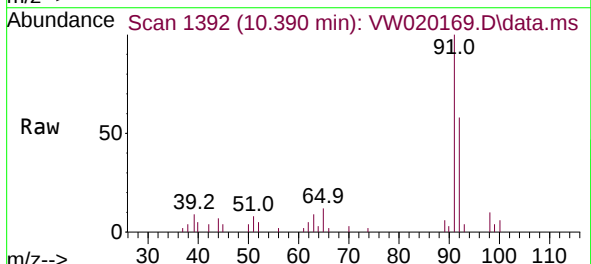
Instrument :  
 MSVOA\_W  
 ClientSampled :

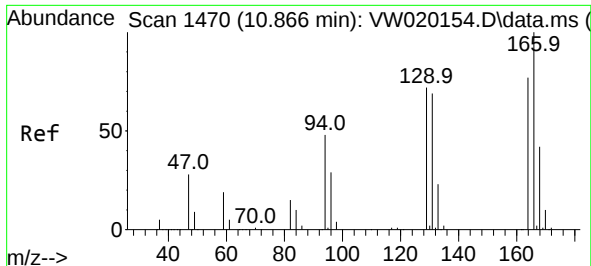
|             |                 |
|-------------|-----------------|
| Tgt Ion: 95 | Resp: 12061     |
| Ion Ratio   | Lower Upper     |
| 95          | 100             |
| 97          | 0.0 45.1 83.7#  |
| 132         | 0.0 67.9 126.1# |
| 130         | 0.0 69.1 128.3# |



#42  
 Toluene  
 Concen: 0.326 ug/L  
 RT: 10.390 min Scan# 1392  
 Delta R.T. 0.000 min  
 Lab File: VW020169.D  
 Acq: 24 Sep 2021 01:47

|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 6073     |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 57.6 42.2 78.4 |

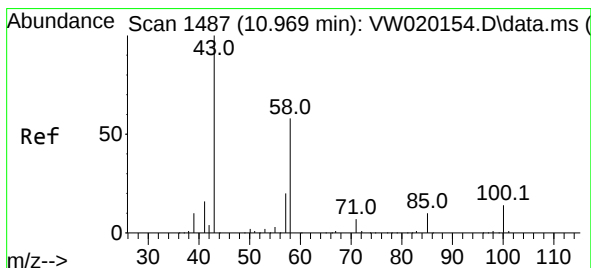
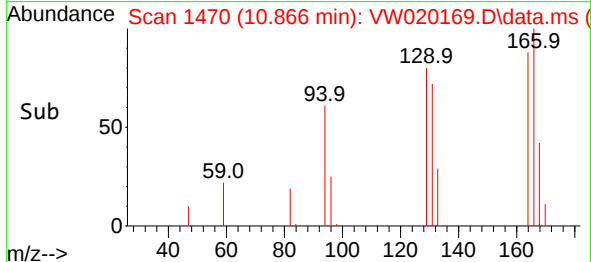
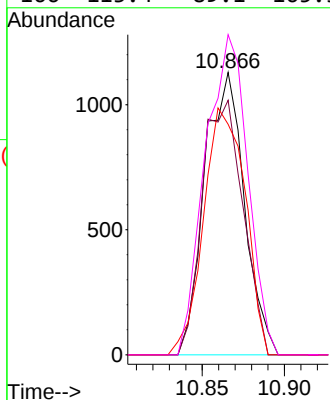
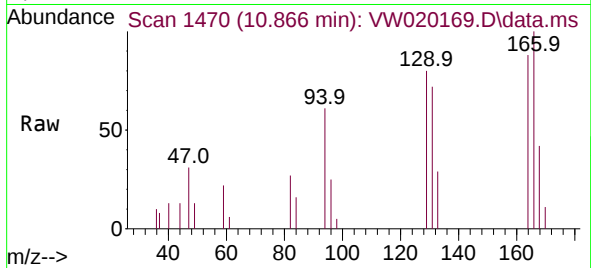




#46  
Tetrachloroethene  
Concen: 0.521 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW020169.D  
Acq: 24 Sep 2021 01:47

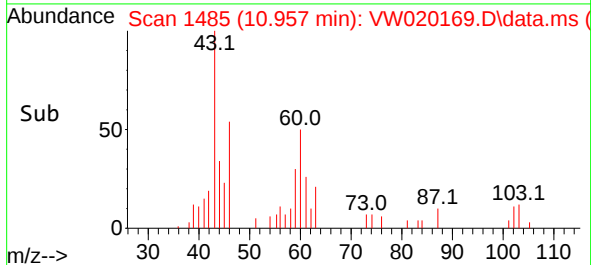
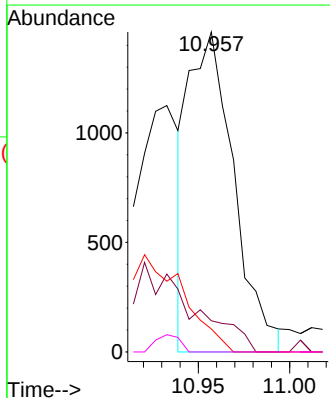
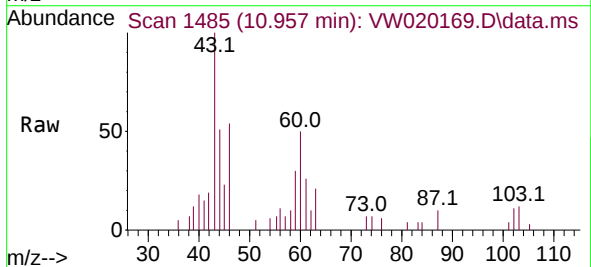
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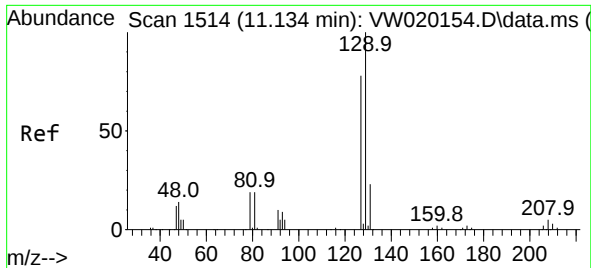
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 1893  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.2  | 69.5  | 129.1 |
| 131      | 81.7  | 66.5  | 123.5 |
| 166      | 113.4 | 89.1  | 165.5 |



#48  
2-Hexanone  
Concen: 1.649 ug/L  
RT: 10.957 min Scan# 1485  
Delta R.T. -0.012 min  
Lab File: VW020169.D  
Acq: 24 Sep 2021 01:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2516  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.0   | 43.8  | 65.6# |
| 57       | 0.0   | 15.6  | 23.4# |
| 100      | 0.0   | 10.5  | 15.7# |

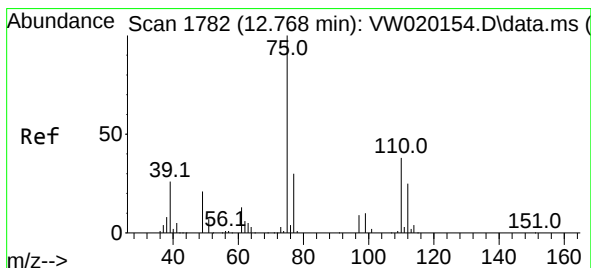
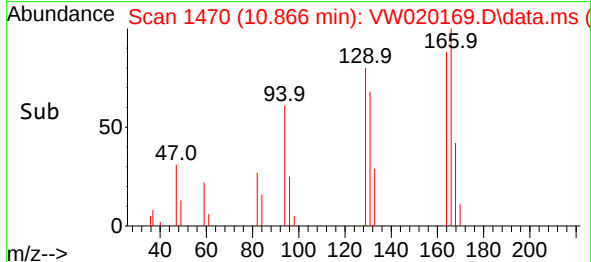
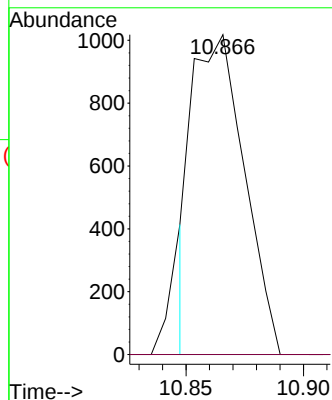
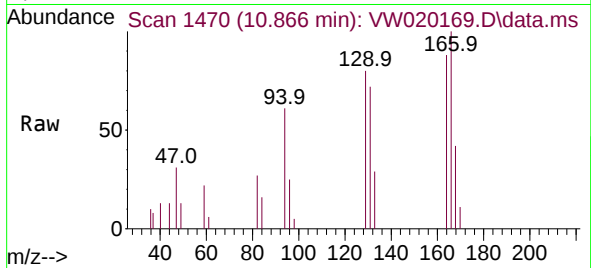




#49  
Dibromochloromethane  
Concen: 0.420 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. -0.268 min  
Lab File: VW020169.D  
Acq: 24 Sep 2021 01:47

Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion:129 Resp: 1565  
Ion Ratio Lower Upper  
129 100  
127 0.0 57.0 105.8#



#61  
1,2,3-Trichloropropane  
Concen: 6.899 ug/L  
RT: 13.554 min Scan# 1911  
Delta R.T. 0.787 min  
Lab File: VW020169.D  
Acq: 24 Sep 2021 01:47

Tgt Ion: 75 Resp: 8581  
Ion Ratio Lower Upper  
75 100  
77 35.8 26.3 39.5  
110 1.2 30.2 45.2#

