

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
 Data File : VW020323.D  
 Acq On : 06 Oct 2021 19:23  
 Operator : SY/VA  
 Sample : M4001-07  
 Misc : 6.18g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 07 01:54:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 07 01:49:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 290010   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 183355   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 72892    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 43933    | 10.992   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 43.960%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 36753    | 21.221   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.880%   |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 59141    | 7.185    | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 28.760%#  |
| 21) 2-Butanone-d5             | 7.092  | 46    | 8360     | 8.234    | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 16.460%#  |
| 24) Chloroform-d              | 7.647  | 84    | 165499   | 19.874   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 79.480%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 102734   | 22.543   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 90.160%   |
| 32) Benzene-d6                | 8.274  | 84    | 256853   | 23.137   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.560%   |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 113917   | 32.351   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 129.400%# |
| 41) Toluene-d8                | 10.323 | 98    | 82099    | 8.165    | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 32.680%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 19384    | 13.529   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 54.120%   |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 795      | 1.633    | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 3.260%#   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 76161    | 30.990   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 123.960%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 44222    | 17.325   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 69.320%#  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 12) 1,1-Dichloroethene        | 4.037  | 96    | 1301     | 0.322    | ug/L # | 1         |
| 13) Acetone                   | 4.135  | 43    | 5916     | 5.668    | ug/L   | 99        |
| 15) Methyl Acetate            | 4.678  | 43    | 16090    | 8.434    | ug/L   | 98        |
| 16) Methylene chloride        | 4.915  | 84    | 9145     | 1.766    | ug/L   | 93        |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 3547     | 0.422    | ug/L   | 95        |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 1916     | 0.444    | ug/L   | 96        |
| 22) 2-Butanone                | 7.183  | 43    | 5483     | 4.272    | ug/L   | 79        |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97    | 14804    | 3.366    | ug/L   | 98        |
| 31) Carbon tetrachloride      | 7.878  | 117   | 1825     | 0.475    | ug/L   | 96        |
| 34) Trichloroethene           | 9.091  | 95    | 25916    | 8.262    | ug/L   | 97        |
| 35) Methylcyclohexane         | 9.274  | 83    | 27072    | 4.948    | ug/L # | 16        |
| 37) 1,2-Dichloropropane       | 9.274  | 63    | 12976    | 4.085    | ug/L # | 87        |
| 46) Tetrachloroethene         | 10.859 | 164   | 2141     | 0.927    | ug/L   | 90        |
| 48) 2-Hexanone                | 10.939 | 43    | 2156     | 1.703    | ug/L # | 34        |
| 49) Dibromochloromethane      | 10.859 | 129   | 2229     | 0.988    | ug/L # | 10        |
| 57) 1,1,2,2-Tetrachloroethane | 12.694 | 83    | 1273     | 0.533    | ug/L # | 59        |
| -----                         |        |       |          |          |        |           |

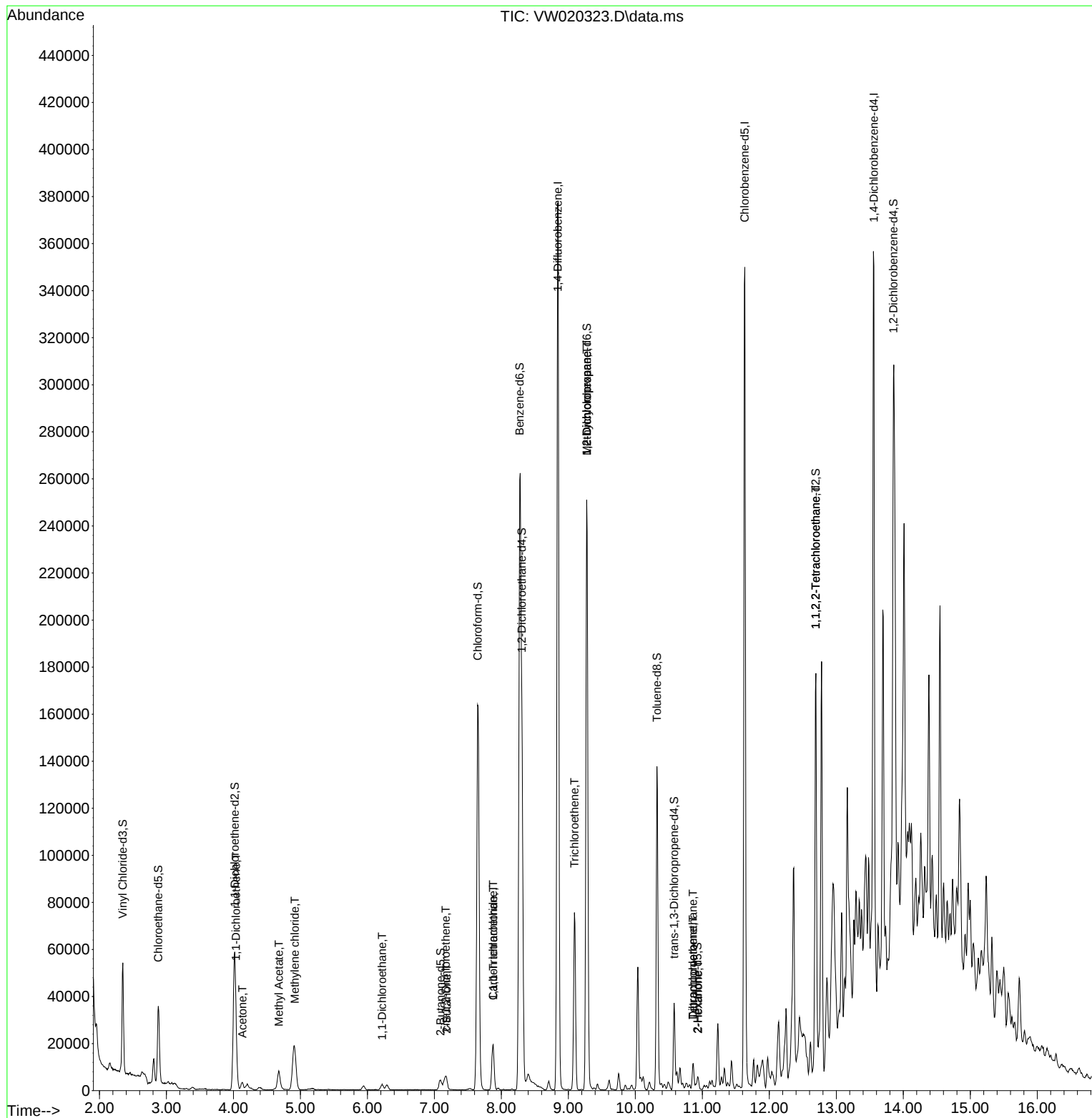
(#) = qualifier out of range (m) = manual integration (+) = signals summed

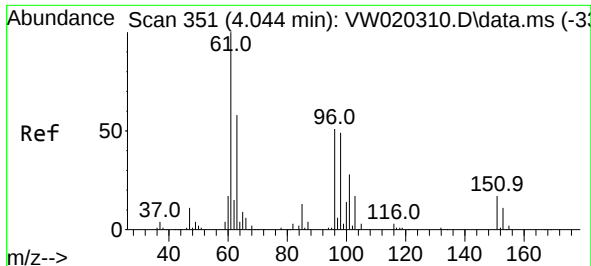
Instrument :  
MSVOA\_W  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
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ClientSampleId :

Quant Time: Oct 07 01:54:34 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Oct 07 01:49:38 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.322 ug/L

RT: 4.037 min Scan# 350

Delta R.T. -0.006 min

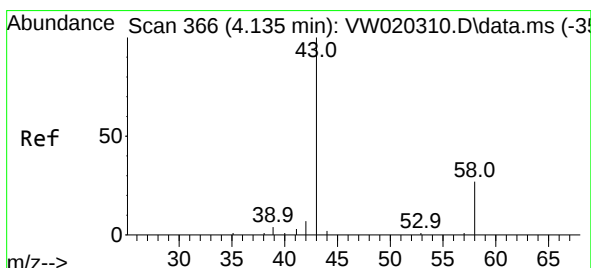
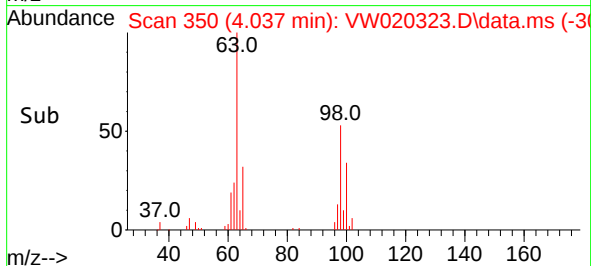
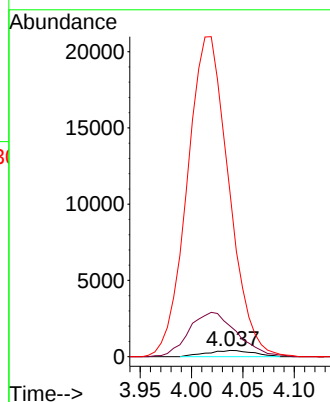
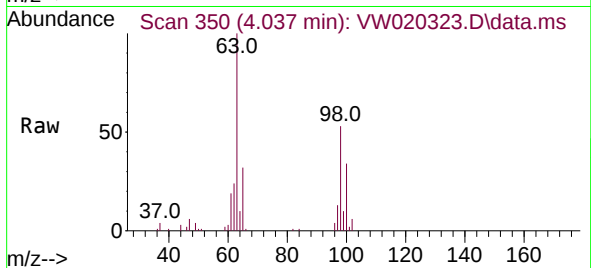
Lab File: VW020323.D

Acq: 06 Oct 2021 19:23

Tgt Ion: 96 Resp: 1301

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 493.1  | 133.9 | 248.7# |
| 63  | 2646.6 | 77.3  | 143.7# |

Instrument :  
MSVOA\_W  
ClientSampled :



#13

Acetone

Concen: 5.668 ug/L

RT: 4.135 min Scan# 366

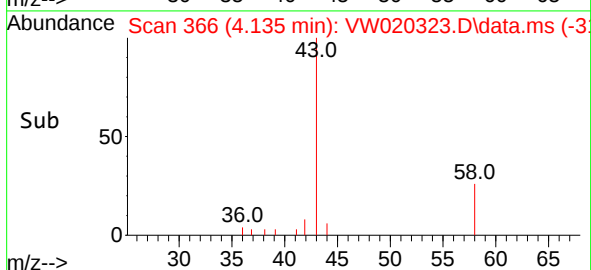
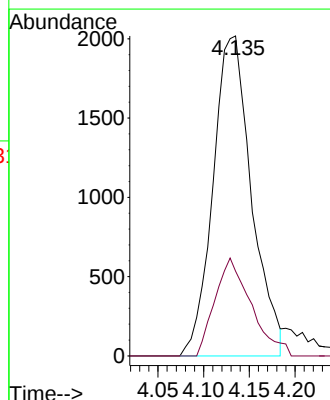
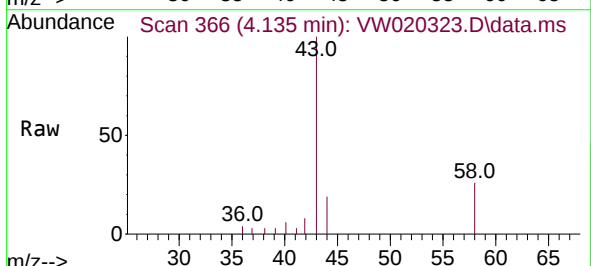
Delta R.T. -0.000 min

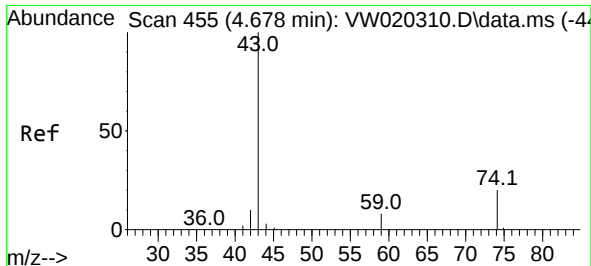
Lab File: VW020323.D

Acq: 06 Oct 2021 19:23

Tgt Ion: 43 Resp: 5916

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 28.7  | 0.0   | 58.4  |

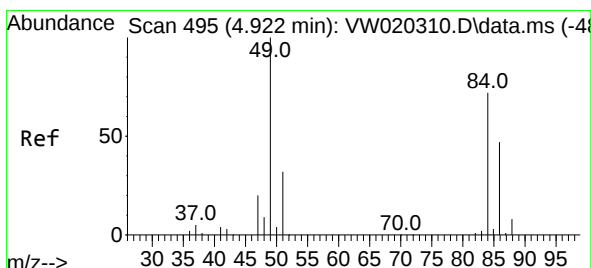
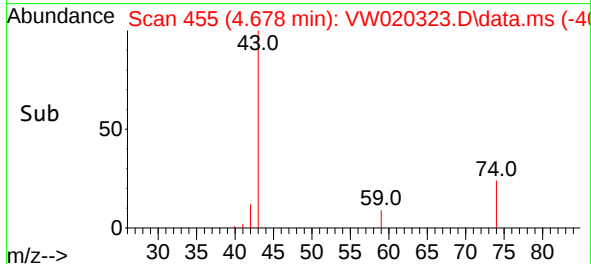
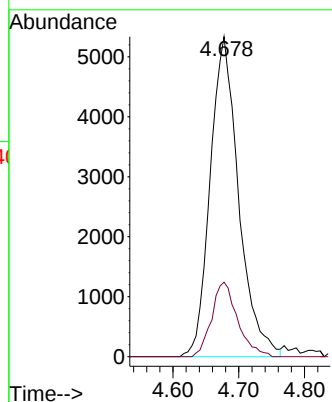
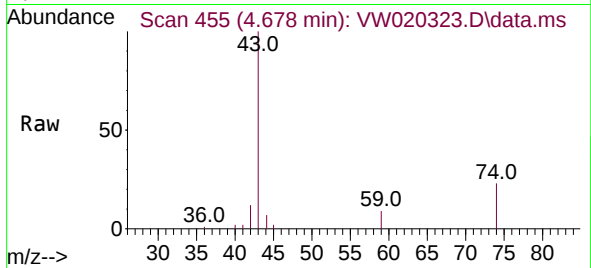




#15  
Methyl Acetate  
Concen: 8.434 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

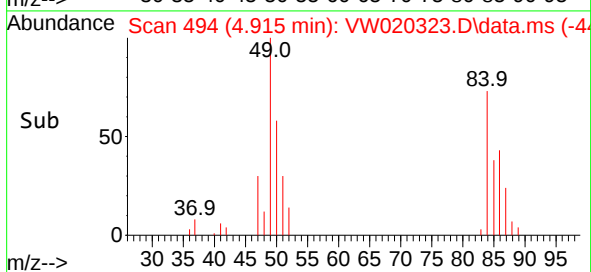
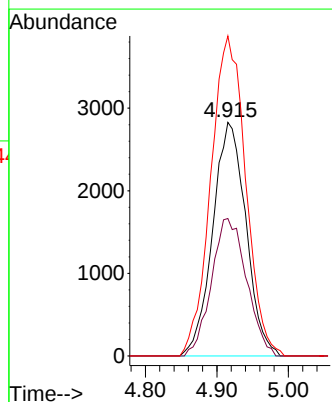
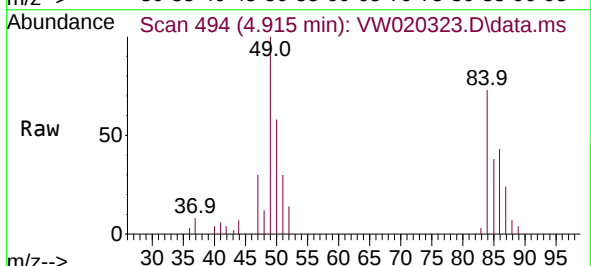
Instrument :  
MSVOA\_W  
ClientSampled :

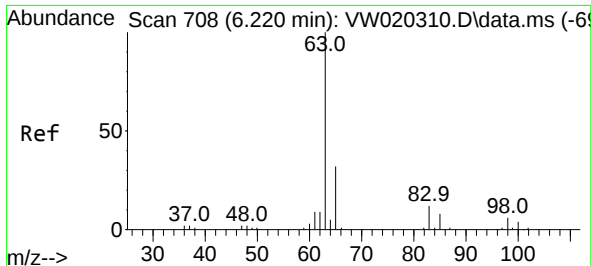
Tgt Ion: 43 Resp: 16090  
Ion Ratio Lower Upper  
43 100  
74 21.2 16.1 24.1



#16  
Methylene chloride  
Concen: 1.766 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

Tgt Ion: 84 Resp: 9145  
Ion Ratio Lower Upper  
84 100  
86 58.9 44.7 83.1  
49 136.9 101.7 188.9





#19

1,1-Dichloroethane

Concen: 0.422 ug/L

RT: 6.220 min Scan# 708

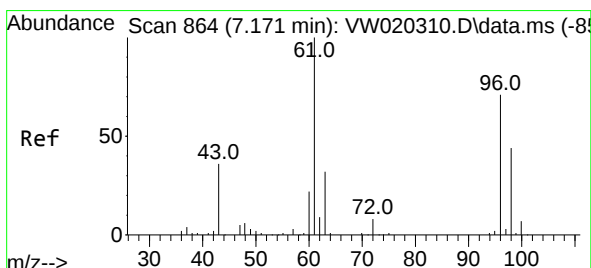
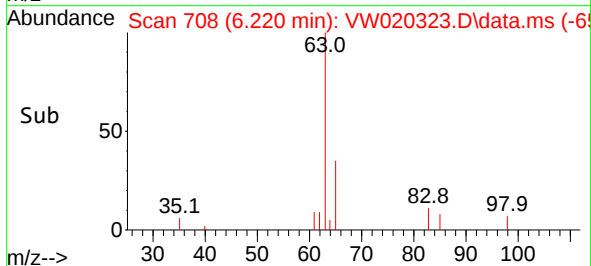
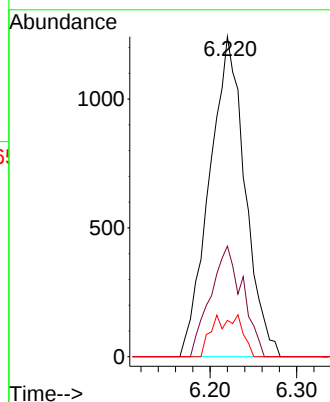
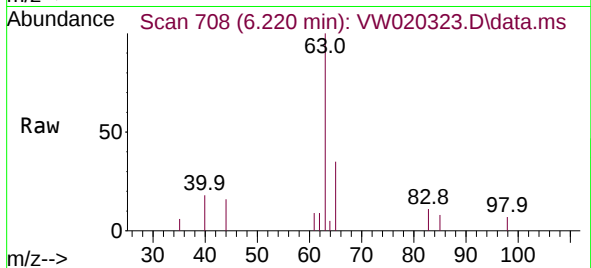
Delta R.T. -0.000 min

Lab File: VW020323.D

Acq: 06 Oct 2021 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 3547  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 34.5  | 21.9  | 40.7  |
| 83       | 11.4  | 9.0   | 16.6  |

Instrument :  
MSVOA\_W  
ClientSampled :



#20

cis-1,2-Dichloroethene

Concen: 0.444 ug/L

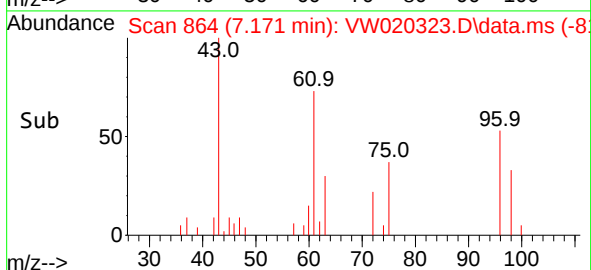
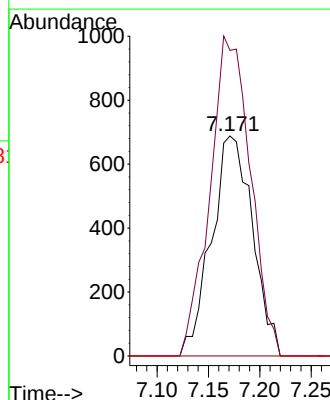
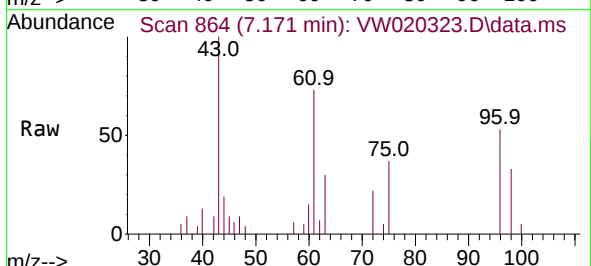
RT: 7.171 min Scan# 864

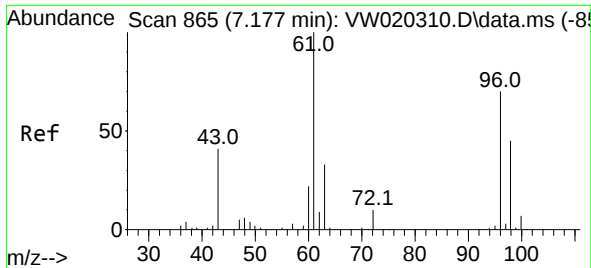
Delta R.T. -0.000 min

Lab File: VW020323.D

Acq: 06 Oct 2021 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 1916  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 139.0 | 100.3 | 186.3 |
| 68       | 0.0   | 0.0   | 0.0   |

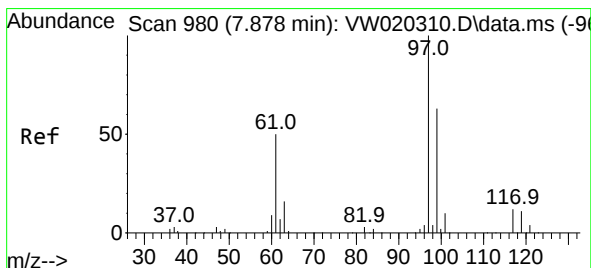
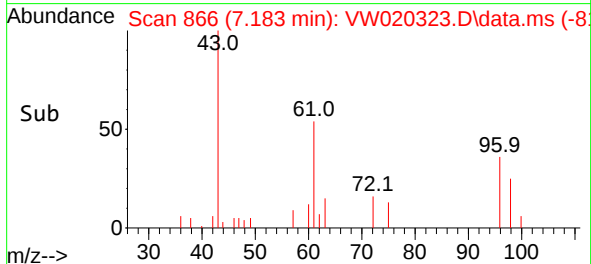
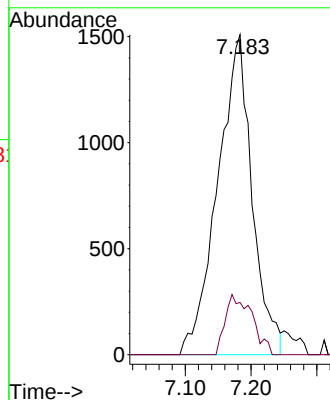
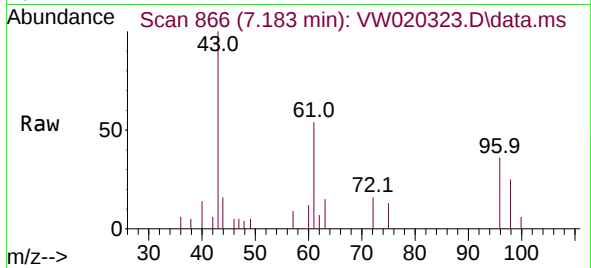




#22  
2-Butanone  
Concen: 4.272 ug/L  
RT: 7.183 min Scan# 866  
Delta R.T. 0.006 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

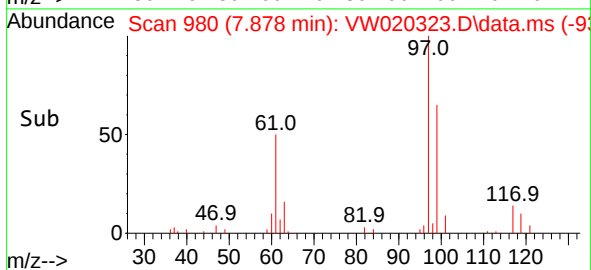
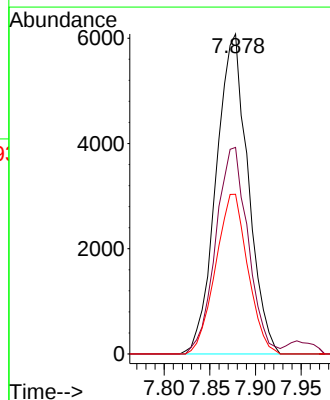
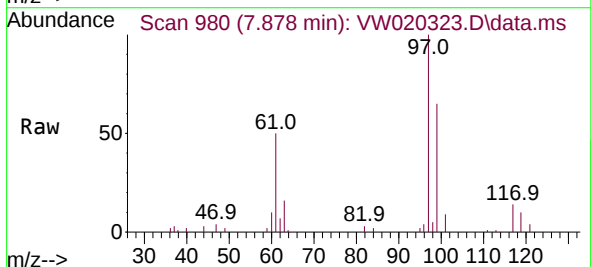
Instrument :  
MSVOA\_W  
ClientSampled :

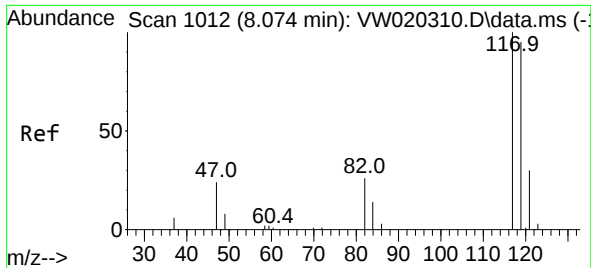
Tgt Ion: 43 Resp: 5483  
Ion Ratio Lower Upper  
43 100  
72 13.7 12.2 36.6



#30  
1,1,1-Trichloroethane  
Concen: 3.366 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

Tgt Ion: 97 Resp: 14804  
Ion Ratio Lower Upper  
97 100  
99 65.4 51.4 77.0  
61 50.3 41.0 61.6

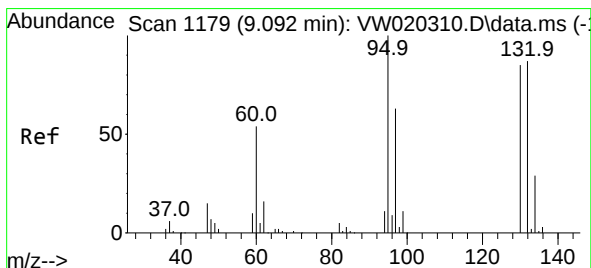
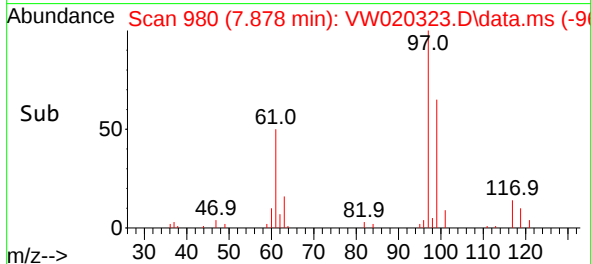
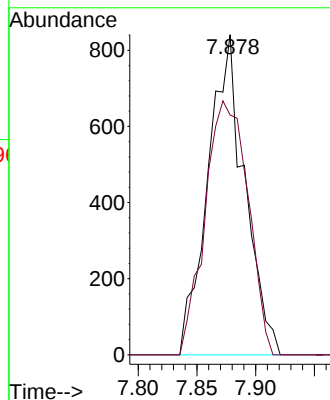
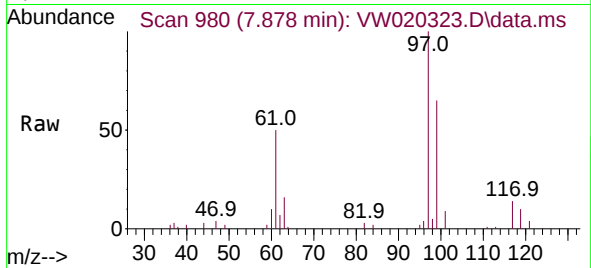




#31  
Carbon tetrachloride  
Concen: 0.475 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. -0.195 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

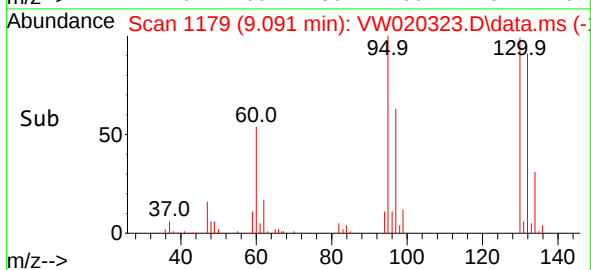
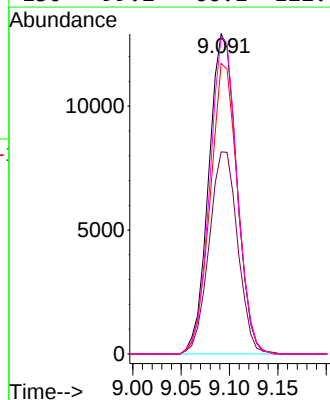
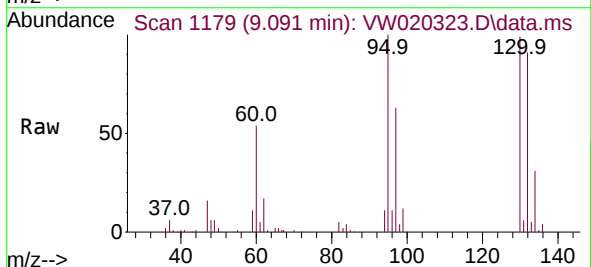
Instrument :  
MSVOA\_W  
ClientSampled :

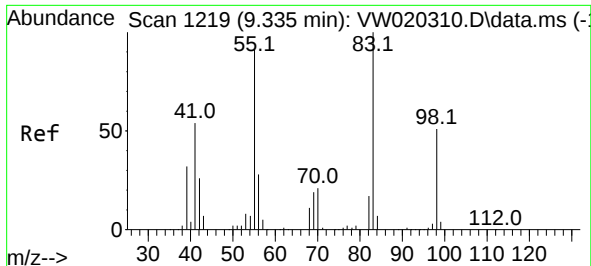
Tgt Ion: 117 Resp: 1825  
Ion Ratio Lower Upper  
117 100  
119 92.7 77.0 115.4



#34  
Trichloroethene  
Concen: 8.262 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

Tgt Ion: 95 Resp: 25916  
Ion Ratio Lower Upper  
95 100  
97 63.2 43.2 80.2  
132 90.8 62.3 115.7  
130 99.2 66.1 122.7

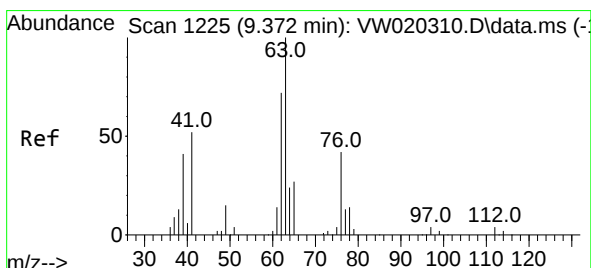
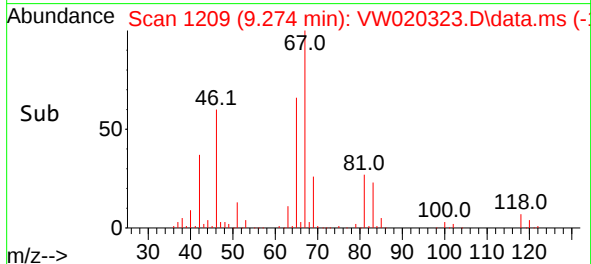
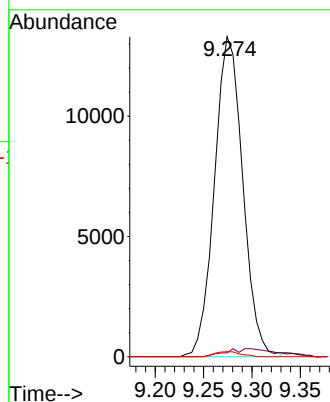
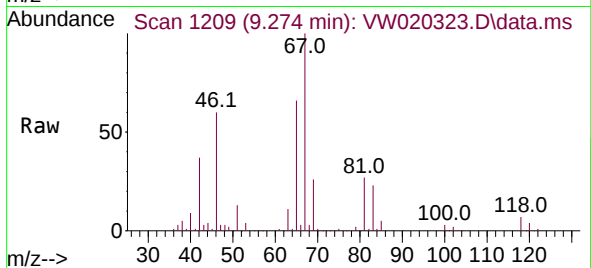




#35  
Methylcyclohexane  
Concen: 4.948 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.061 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

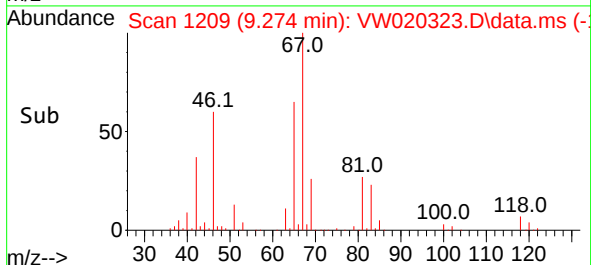
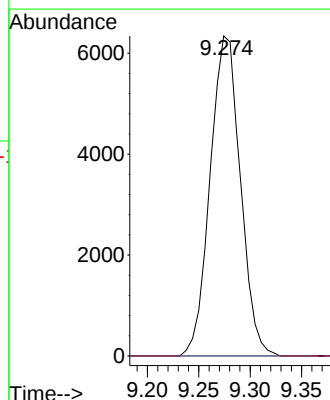
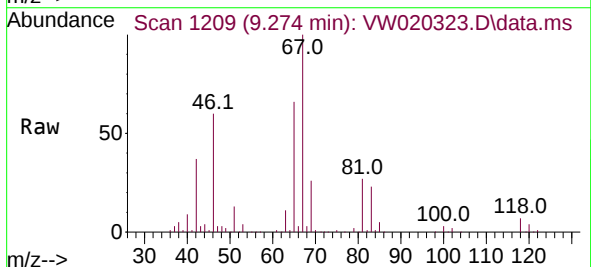
Instrument :  
MSVOA\_W  
ClientSampled :

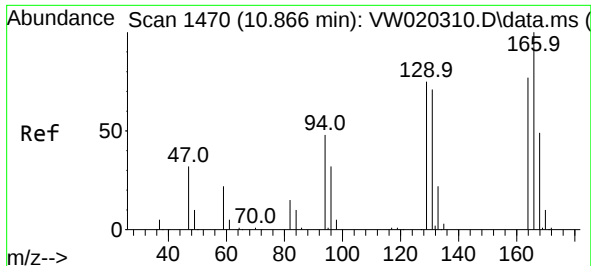
Tgt Ion: 83 Resp: 27072  
Ion Ratio Lower Upper  
83 100  
55 1.4 69.7 104.5#  
98 1.4 38.2 57.2#



#37  
1,2-Dichloropropane  
Concen: 4.085 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.098 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

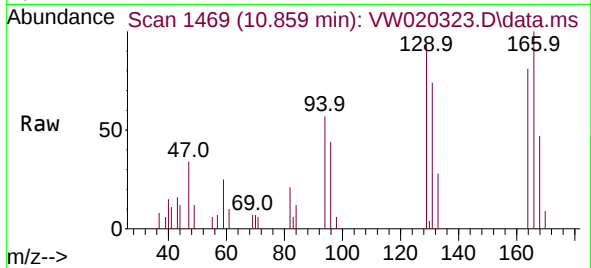
Tgt Ion: 63 Resp: 12976  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



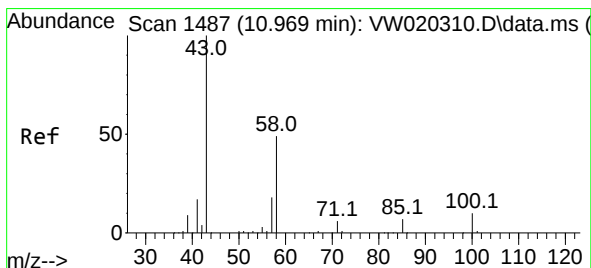
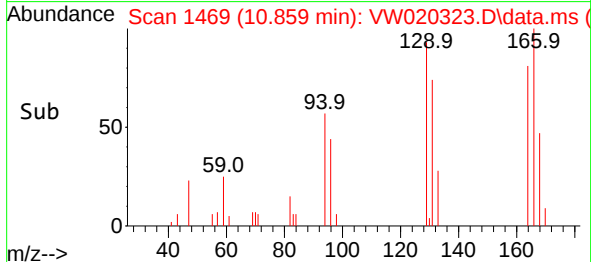
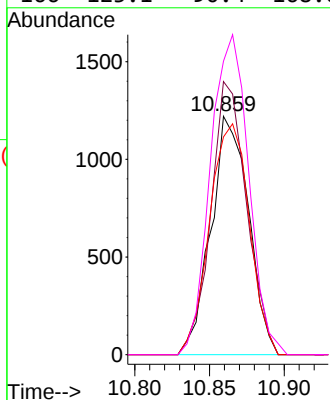


#46  
Tetrachloroethene  
Concen: 0.927 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

Instrument :  
MSVOA\_W  
ClientSampled :

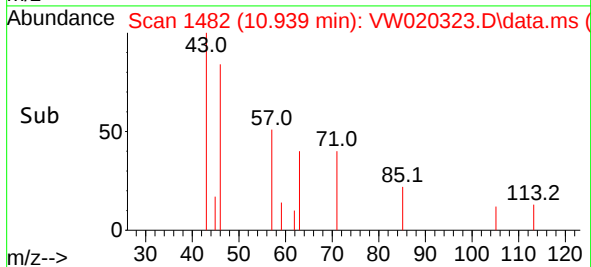
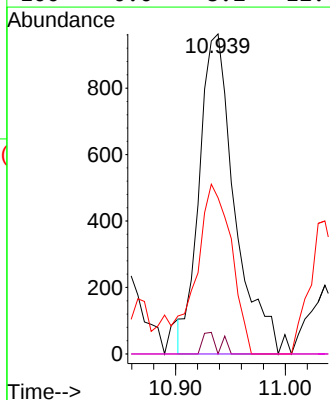
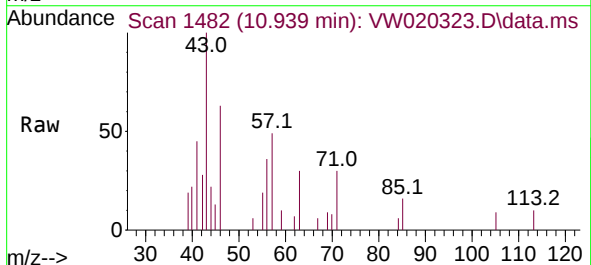


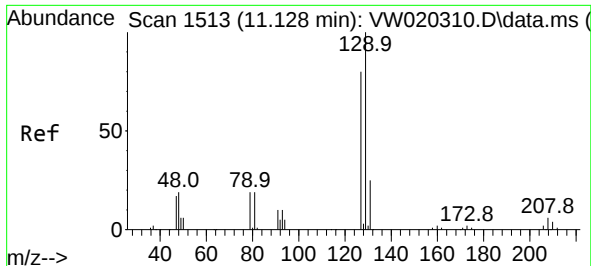
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 2141  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 114.6 | 69.1  | 128.3 |
| 131      | 91.4  | 58.3  | 108.3 |
| 166      | 123.1 | 90.4  | 168.0 |



#48  
2-Hexanone  
Concen: 1.703 ug/L  
RT: 10.939 min Scan# 1482  
Delta R.T. -0.031 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2156  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 2.1   | 39.5  | 59.3# |
| 57       | 52.6  | 14.2  | 21.4# |
| 100      | 0.0   | 8.2   | 12.4# |

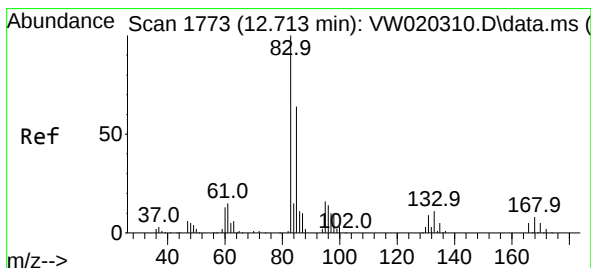
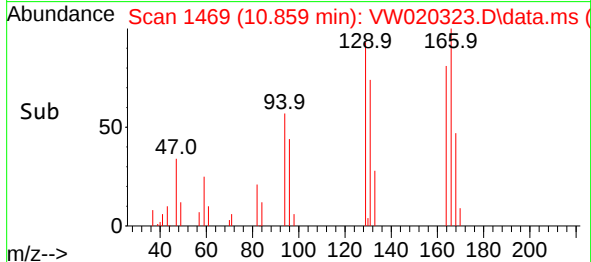
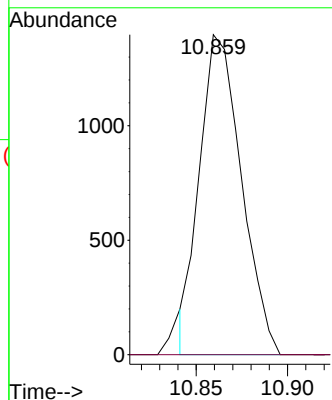
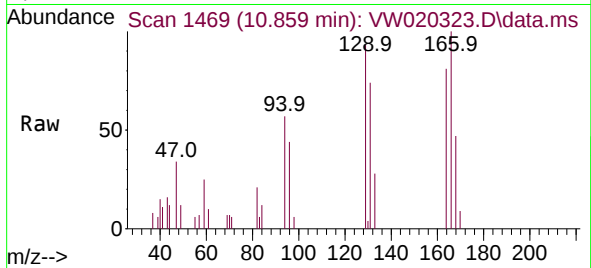




#49  
Dibromochloromethane  
Concen: 0.988 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.269 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion:129 Resp: 2229  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.1 102.3#



#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.533 ug/L  
RT: 12.694 min Scan# 1770  
Delta R.T. -0.019 min  
Lab File: VW020323.D  
Acq: 06 Oct 2021 19:23

Tgt Ion: 83 Resp: 1273  
Ion Ratio Lower Upper  
83 100  
85 85.8 45.9 85.3#  
131 63.1 7.4 11.2#

