

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100821\  
 Data File : VW020399.D  
 Acq On : 08 Oct 2021 10:20  
 Operator : SY/VA  
 Sample : VSTD2.576  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 08 11:44:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 08 11:43:52 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.841  | 114  | 219300   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117  | 206819   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152  | 102005   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65   | 8350     | 2.767  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.885  | 69   | 3683     | 2.735  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63   | 16455    | 2.633  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.086  | 46   | 4316     | 5.259  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.653  | 84   | 18791    | 2.932  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65   | 10675    | 2.990  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.275  | 84   | 34008    | 2.678  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.280  | 67   | 11592    | 2.862  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.323 | 98   | 28998    | 2.523  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 4226     | 2.553  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.926 | 63   | 2531     | 4.330  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84   | 8359     | 2.868  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 10507    | 2.868  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85   | 2151     | 1.734  | ug/L   | 97       |
| 3) Chloromethane              | 2.209  | 50   | 7159     | 2.430  | ug/L   | 99       |
| 5) Vinyl chloride             | 2.355  | 62   | 10029    | 2.475  | ug/L   | 100      |
| 6) Bromomethane               | 2.776  | 94   | 4310     | 2.663  | ug/L   | 89       |
| 8) Chloroethane               | 2.916  | 64   | 3374     | 2.713  | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.251  | 101  | 6148     | 2.874  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101  | 8314     | 2.531  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.031  | 96   | 7194     | 2.331  | ug/L # | 77       |
| 13) Acetone                   | 4.141  | 43   | 4078     | 4.917  | ug/L   | 70       |
| 14) Carbon disulfide          | 4.379  | 76   | 24054    | 2.381  | ug/L   | 100      |
| 15) Methyl Acetate            | 4.684  | 43   | 3522     | 2.298  | ug/L # | 83       |
| 17) trans-1,2-Dichloroethene  | 5.427  | 96   | 7470     | 2.306  | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73   | 9591     | 2.229  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.220  | 63   | 16161    | 2.491  | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96   | 7478     | 2.244  | ug/L   | 94       |
| 22) 2-Butanone                | 7.183  | 43   | 3927     | 3.796  | ug/L # | 73       |
| 23) Bromochloromethane        | 7.519  | 128  | 3645     | 2.556  | ug/L   | 89       |
| 25) Chloroform                | 7.677  | 83   | 16111    | 2.595  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 10767    | 2.559  | ug/L   | 97       |
| 29) Cyclohexane               | 7.957  | 56   | 11547    | 1.855  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 12268    | 2.441  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 11019    | 2.506  | ug/L   | 98       |
| 33) Benzene                   | 8.323  | 78   | 35624    | 2.448  | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 8874     | 2.475  | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.335  | 83   | 13248    | 2.111  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 9246     | 2.526  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 11032    | 2.484  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 10790    | 2.087  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 8334     | 3.987  | ug/L   | 96       |
| 42) Toluene                   | 10.390 | 91   | 32724    | 2.231  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 9206     | 2.038  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 5545     | 2.358  | ug/L   | 97       |

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 Operator : SY/VA  
 Sample : VSTD2.576  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

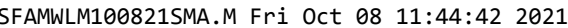
Instrument :  
 MSVOA\_W  
 ClientSampleId :

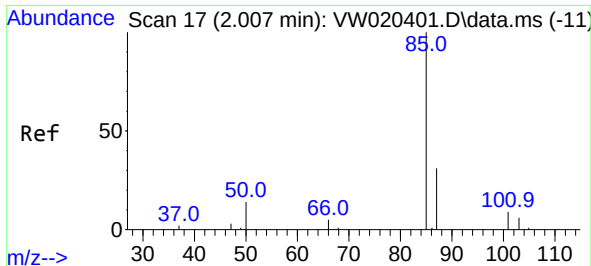
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 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 08 11:43:52 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) Tetrachloroethene         | 10.859 | 164  | 6160     | 2.338 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.969 | 43   | 5495     | 3.594 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 6014     | 2.295 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 4943     | 2.284 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 22131    | 2.478 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 34081    | 2.121 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 12689    | 2.142 | ug/L   | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 10854    | 1.955 | ug/L   | 98       |
| 55) Styrene                   | 12.182 | 104  | 18783    | 1.971 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 6908     | 2.446 | ug/L   | 93       |
| 59) Bromoform                 | 12.347 | 173  | 3151     | 2.244 | ug/L # | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 29974    | 1.946 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 5162     | 2.434 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 22894    | 1.839 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 22888    | 1.836 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 14795    | 2.281 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 16394    | 2.496 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 14070    | 2.420 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.487 | 75   | 1043     | 2.301 | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 10991    | 2.389 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 7917     | 2.184 | ug/L   | 97       |
| 71) Naphthalene               | 15.365 | 128  | 11857    | 1.853 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 7132     | 2.253 | ug/L   | 99       |

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

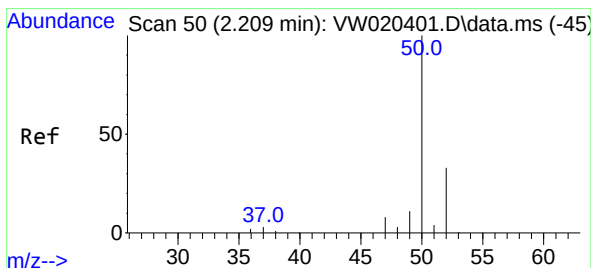
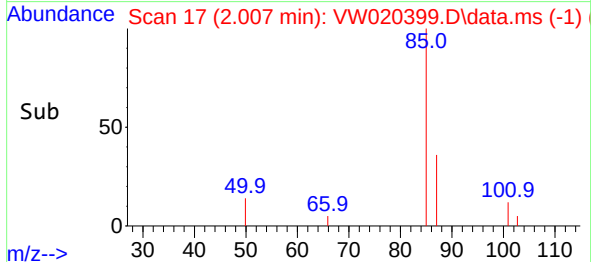
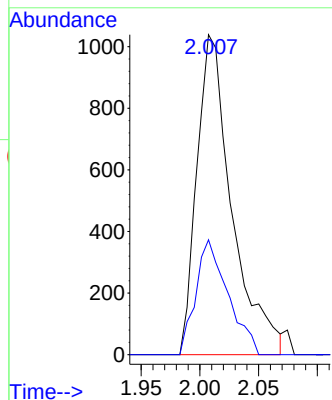
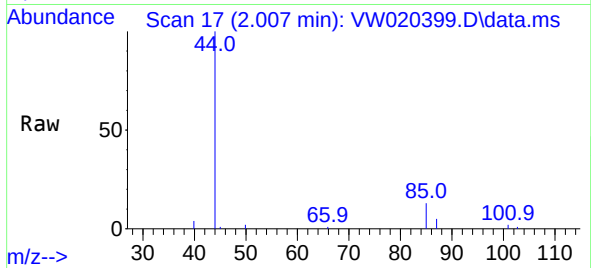
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Oct 08 11:43:52 2021  
Response via : Initial Calibration





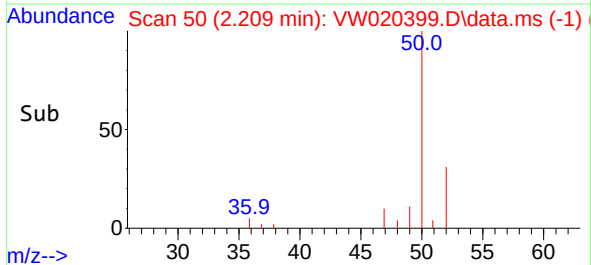
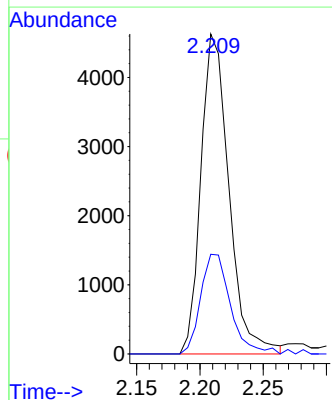
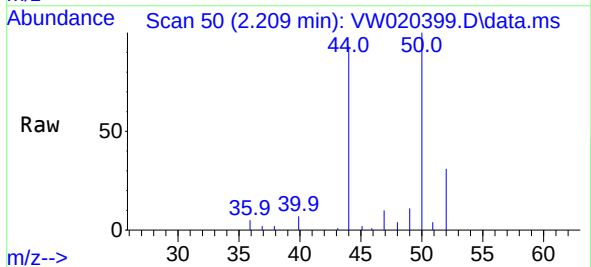
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Dichlorodifluoromethane  
Concen: 1.734 ug/L  
RT: 2.007 min Scan# 17  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

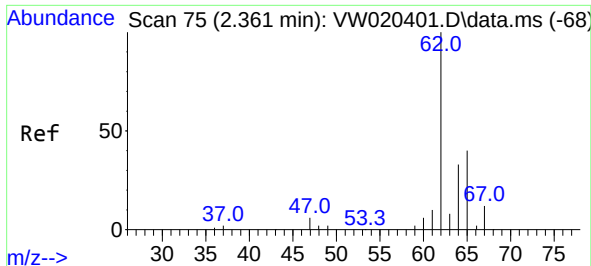
Tgt Ion: 85 Resp: 2151  
Ion Ratio Lower Upper  
85 100  
87 33.0 24.9 37.3



#3  
Chloromethane  
Concen: 2.430 ug/L  
RT: 2.209 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 50 Resp: 7159  
Ion Ratio Lower Upper  
50 100  
52 31.1 21.5 39.9

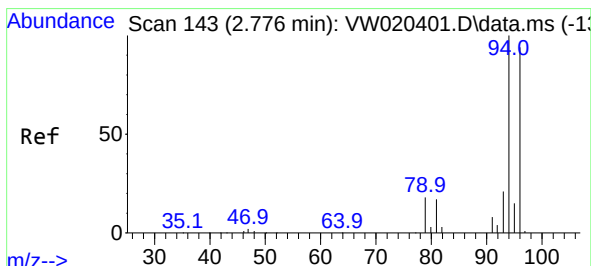
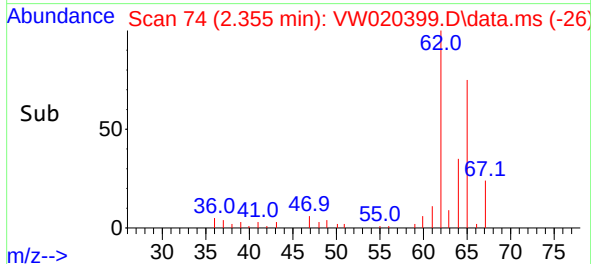
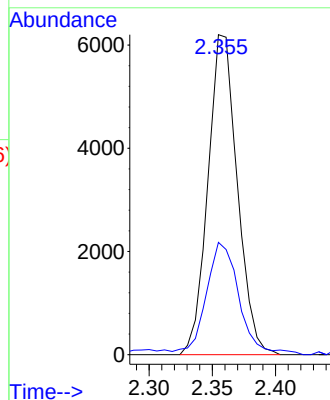
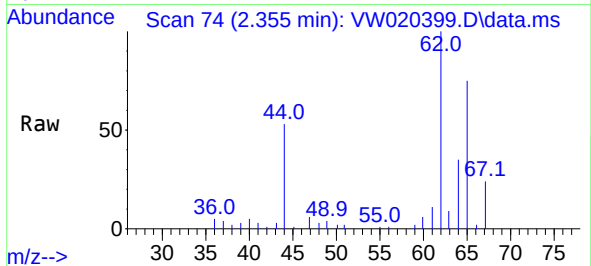




#5  
 Vinyl chloride  
 Concen: 2.475 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW020399.D  
 Acq: 08 Oct 2021 10:20

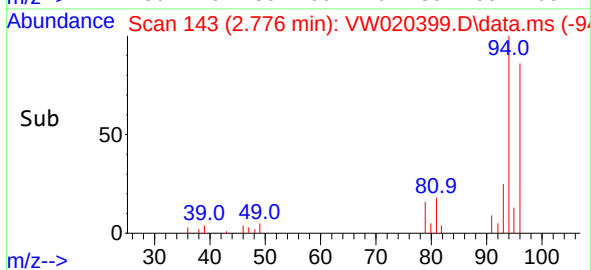
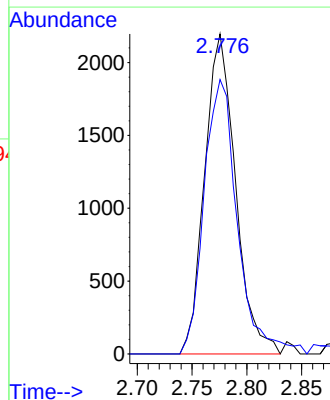
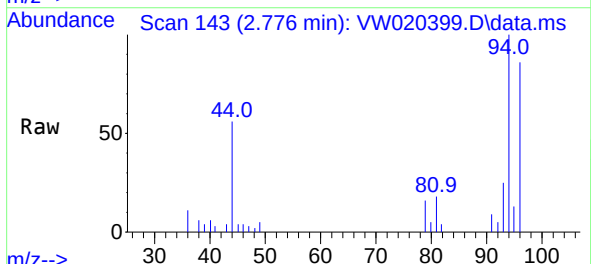
Instrument :  
 MSVOA\_W  
 ClientSampled :

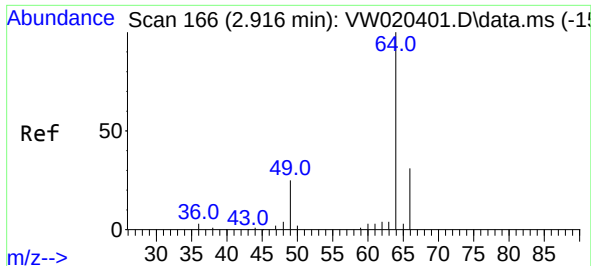
Tgt Ion: 62 Resp: 10029  
 Ion Ratio Lower Upper  
 62 100  
 64 35.1 24.6 45.6



#6  
 Bromomethane  
 Concen: 2.663 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. -0.000 min  
 Lab File: VW020399.D  
 Acq: 08 Oct 2021 10:20

Tgt Ion: 94 Resp: 4310  
 Ion Ratio Lower Upper  
 94 100  
 96 85.7 67.8 126.0

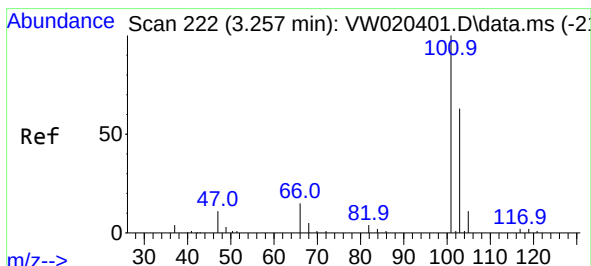
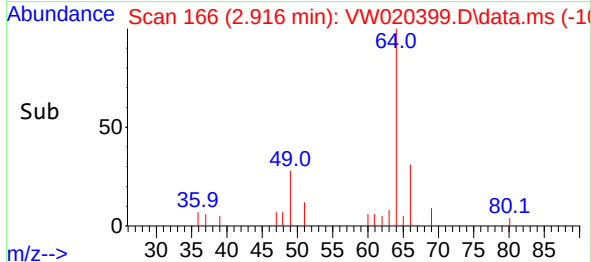
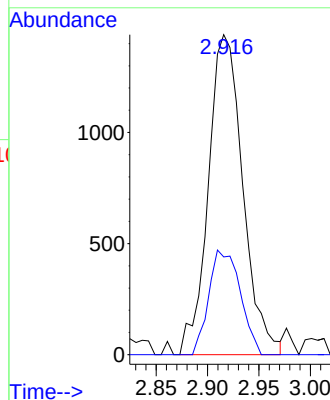
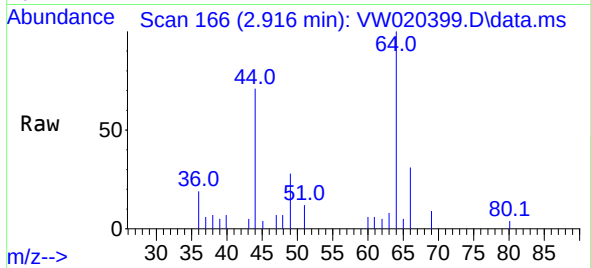




#8  
Chloroethane  
Concen: 2.713 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

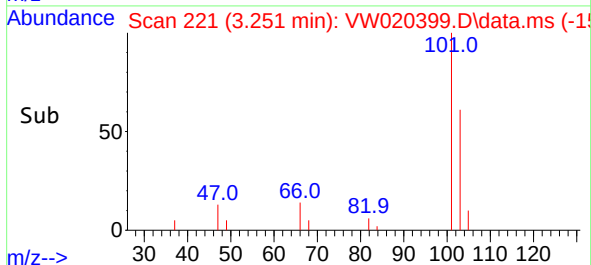
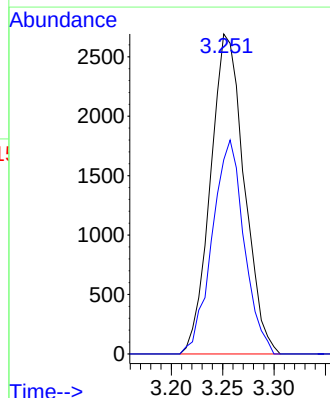
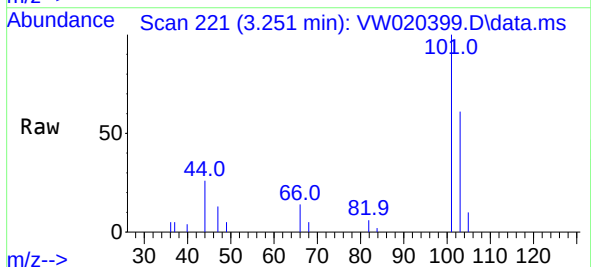
Instrument :  
MSVOA\_W  
ClientSampled :

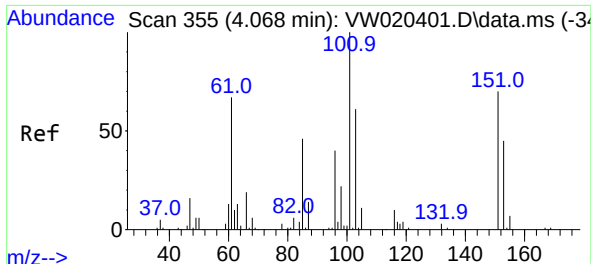
Tgt Ion: 64 Resp: 3374  
Ion Ratio Lower Upper  
64 100  
66 30.6 21.2 39.4



#9  
Trichlorofluoromethane  
Concen: 2.874 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 101 Resp: 6148  
Ion Ratio Lower Upper  
101 100  
103 63.3 52.2 78.4

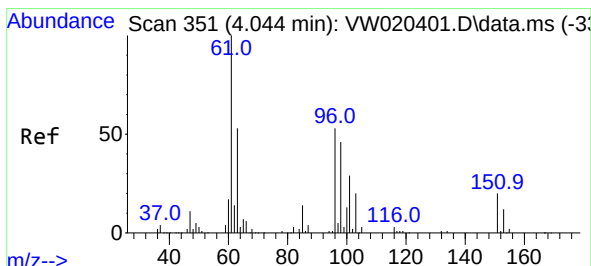
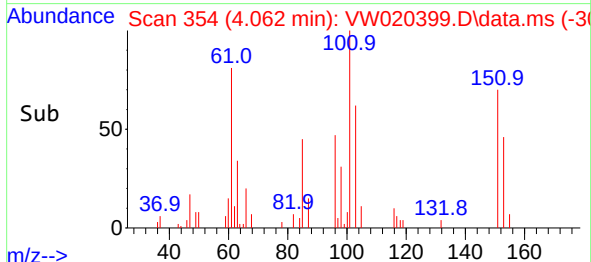
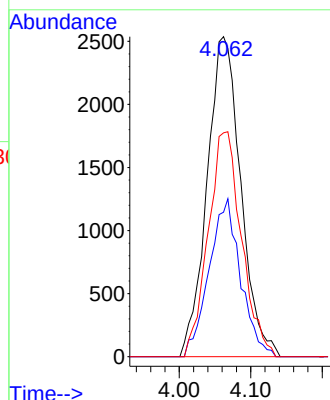
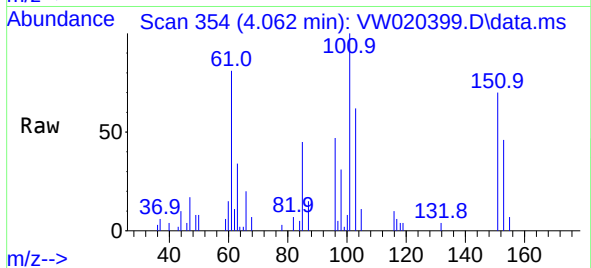




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 2.531 ug/L  
RT: 4.062 min Scan# 354  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

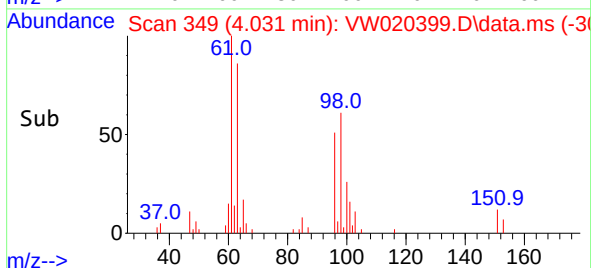
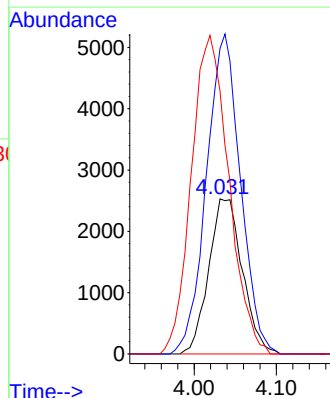
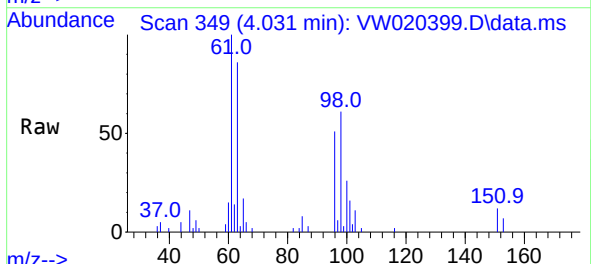
Instrument :  
MSVOA\_W  
ClientSampled :

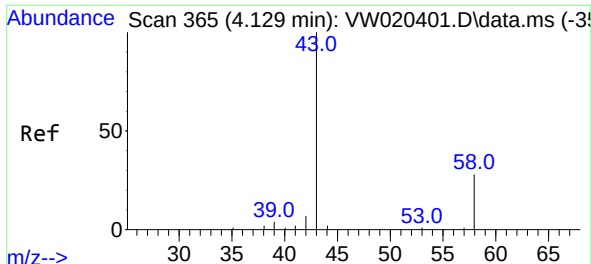
Tgt Ion:101 Resp: 8314  
Ion Ratio Lower Upper  
101 100  
85 46.0 36.3 54.5  
151 69.5 56.5 84.7



#12  
1,1-Dichloroethene  
Concen: 2.331 ug/L  
RT: 4.031 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 96 Resp: 7194  
Ion Ratio Lower Upper  
96 100  
61 197.2 133.9 248.7  
63 169.4 77.3 143.7#

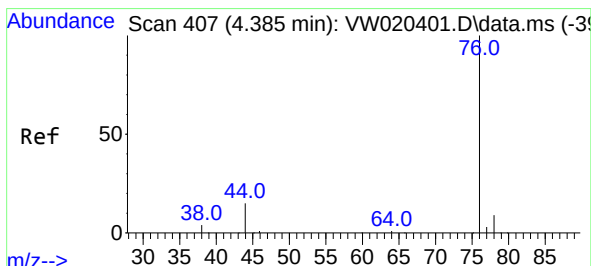
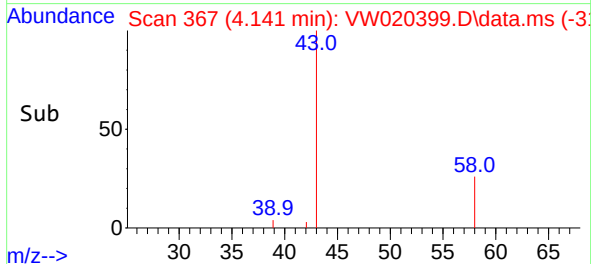
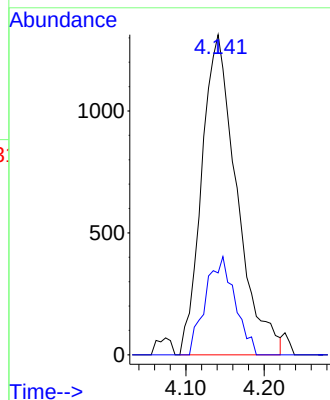
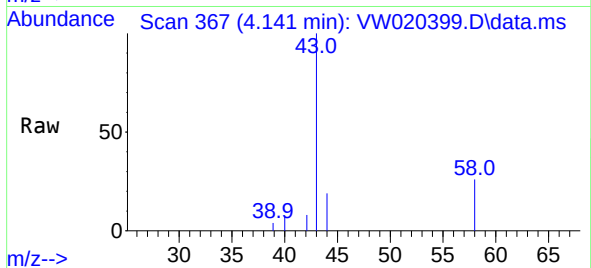




#13  
Acetone  
Concen: 4.917 ug/L  
RT: 4.141 min Scan# 367  
Delta R.T. 0.012 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

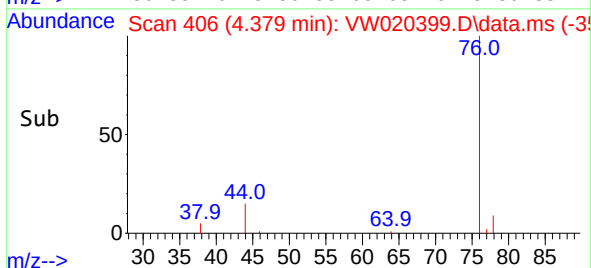
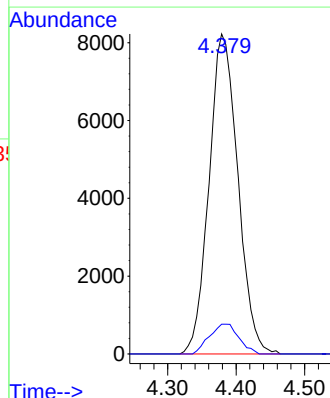
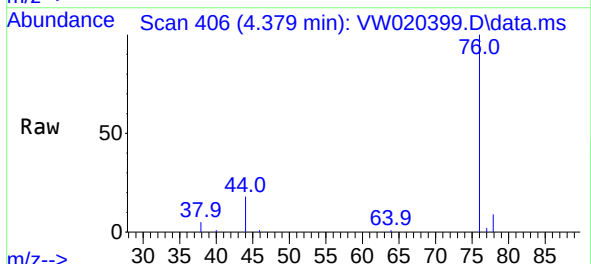
Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion: 43 Resp: 4078  
Ion Ratio Lower Upper  
43 100  
58 12.9 0.0 58.4

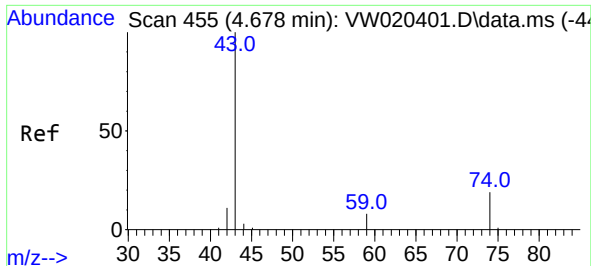


#14  
Carbon disulfide  
Concen: 2.381 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 76 Resp: 24054  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2



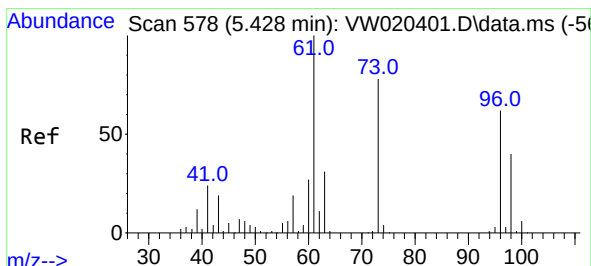
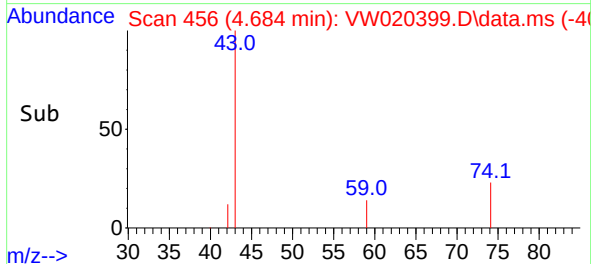
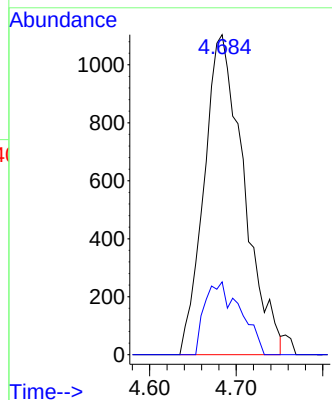
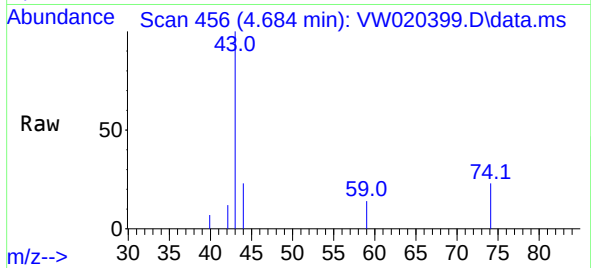




#15  
Methyl Acetate  
Concen: 2.298 ug/L  
RT: 4.684 min Scan# 456  
Delta R.T. 0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

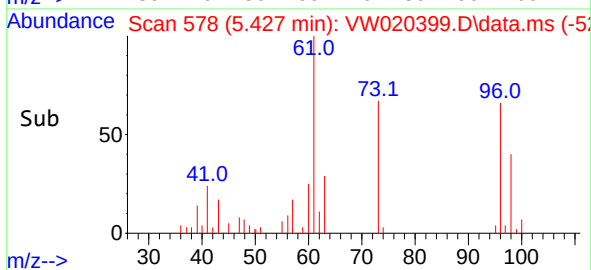
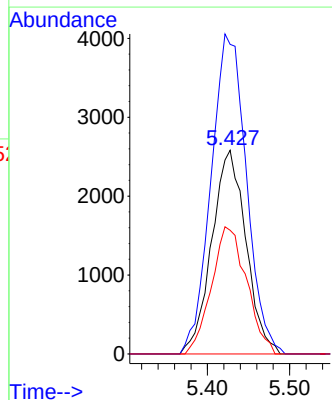
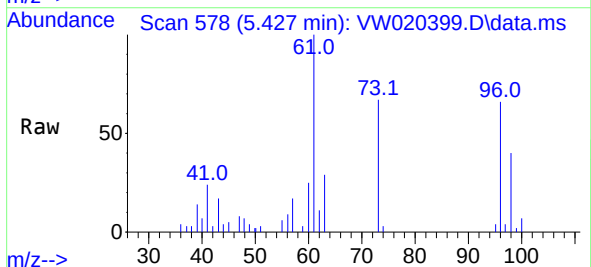
Instrument :  
MSVOA\_W  
ClientSampled :

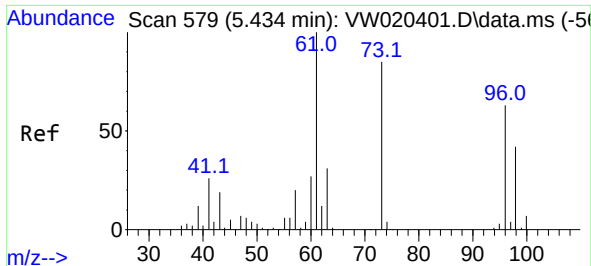
Tgt Ion: 43 Resp: 3522  
Ion Ratio Lower Upper  
43 100  
74 12.5 16.1 24.1#



#17  
trans-1,2-Dichloroethene  
Concen: 2.306 ug/L  
RT: 5.427 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 96 Resp: 7470  
Ion Ratio Lower Upper  
96 100  
61 152.0 110.7 205.5  
98 60.7 43.9 81.5

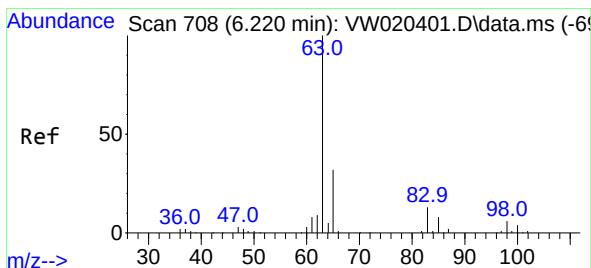
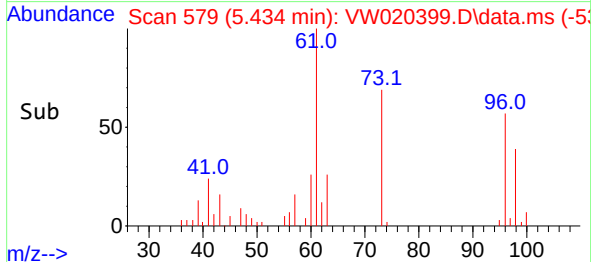
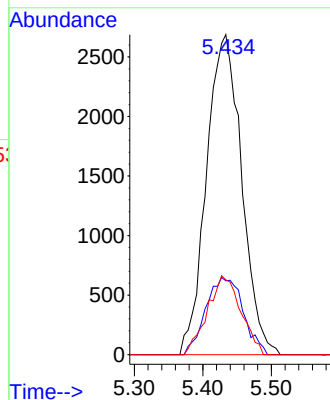
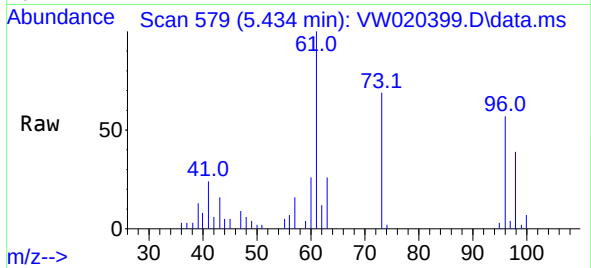




#18  
Methyl tert-butyl Ether  
Concen: 2.229 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

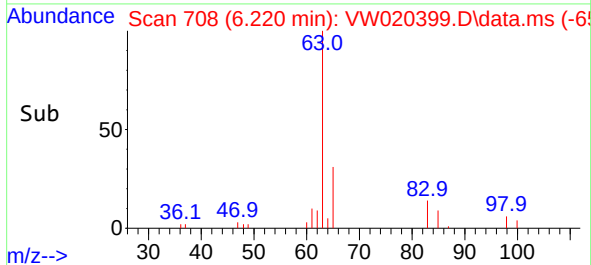
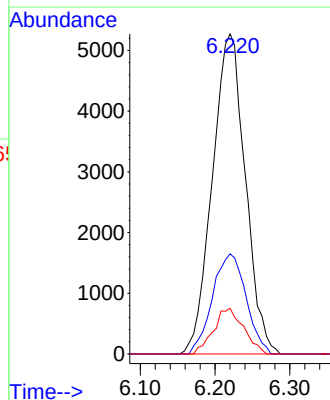
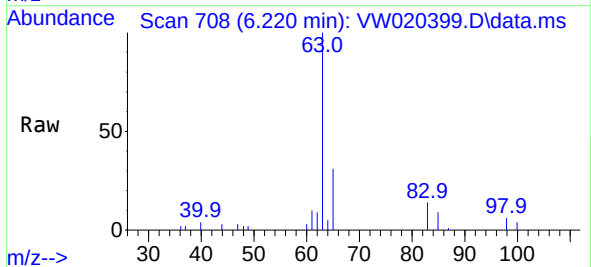
Instrument :  
MSVOA\_W  
ClientSampled :

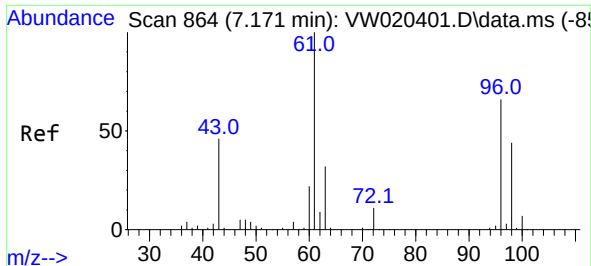
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 9591  |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 25.5     | 18.9 28.3   |
| 57 23.4     | 18.9 28.3   |



#19  
1,1-Dichloroethane  
Concen: 2.491 ug/L  
RT: 6.220 min Scan# 708  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 16161 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 31.3     | 21.9 40.7   |
| 83 14.2     | 9.0 16.6    |

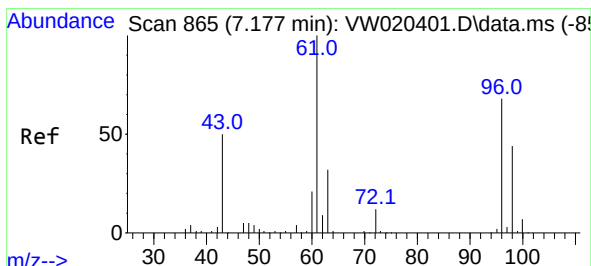
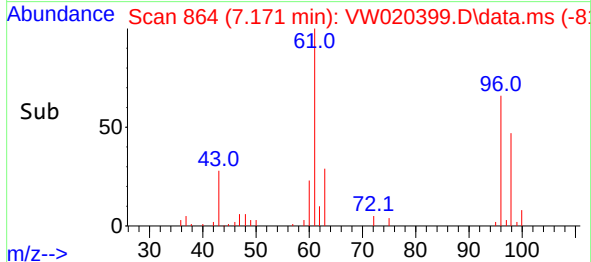
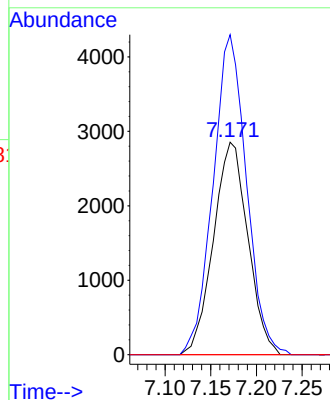
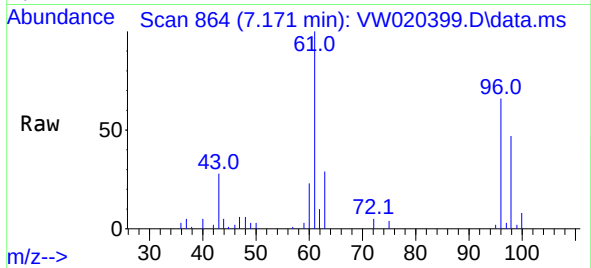




#20  
cis-1,2-Dichloroethene  
Concen: 2.244 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

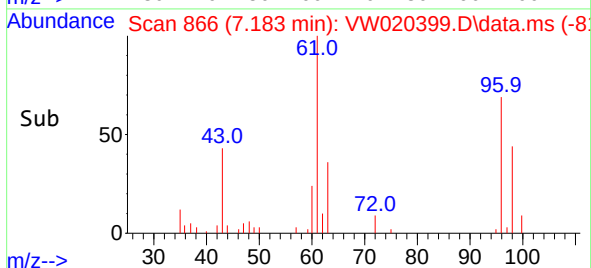
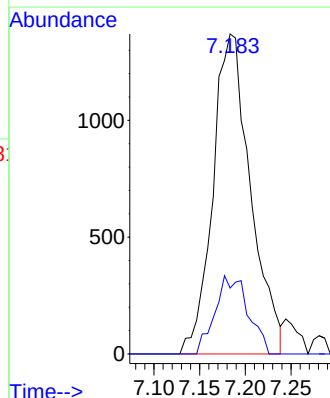
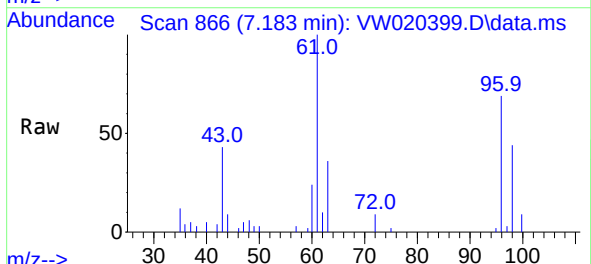
Instrument :  
MSVOA\_W  
ClientSampled :

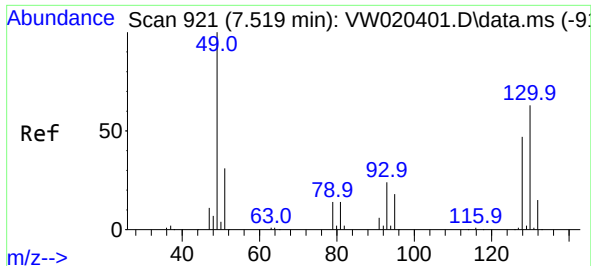
Tgt Ion: 96 Resp: 7478  
Ion Ratio Lower Upper  
96 100  
61 150.6 100.3 186.3  
68 0.0 0.0 0.0



#22  
2-Butanone  
Concen: 3.796 ug/L  
RT: 7.183 min Scan# 866  
Delta R.T. 0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

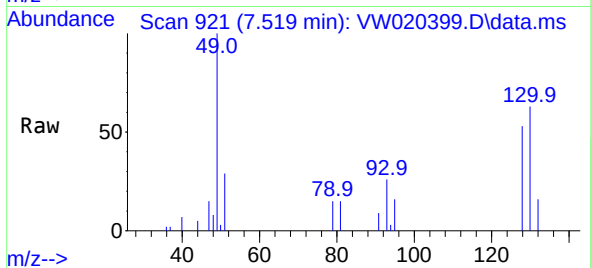
Tgt Ion: 43 Resp: 3927  
Ion Ratio Lower Upper  
43 100  
72 10.9 12.2 36.6#



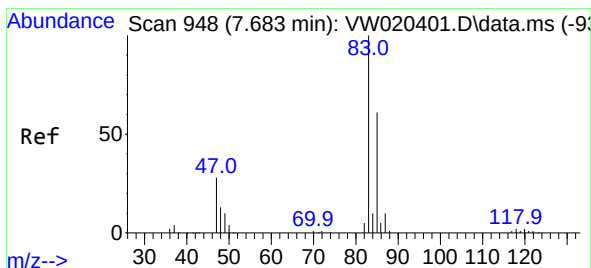
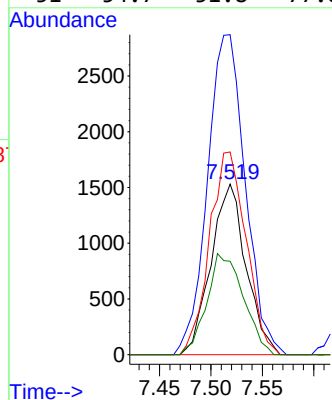
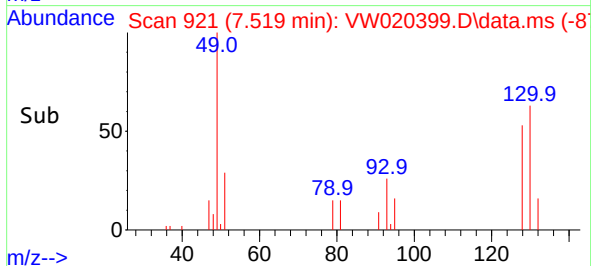


#23  
Bromochloromethane  
Concen: 2.556 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

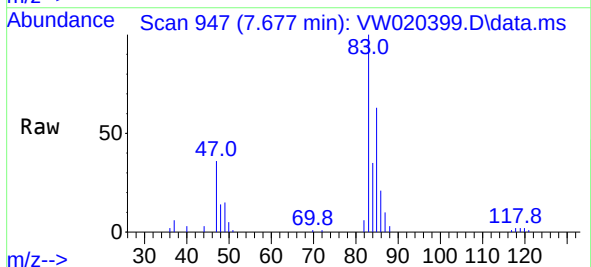
Instrument :  
MSVOA\_W  
ClientSampled :



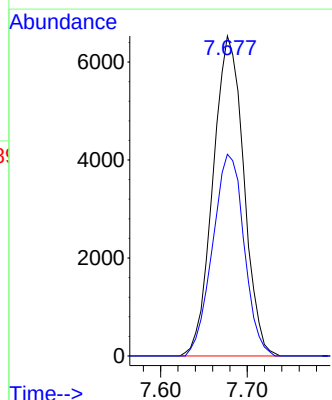
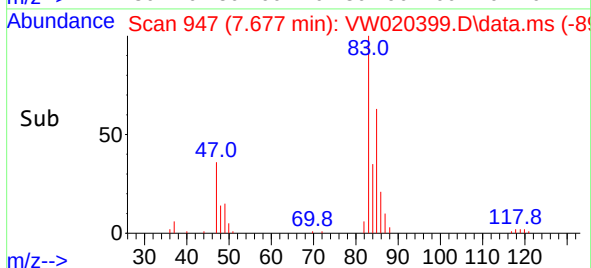
Tgt Ion:128 Resp: 3645  
Ion Ratio Lower Upper  
128 100  
49 187.5 144.1 267.7  
130 118.8 89.2 165.6  
51 54.7 51.8 77.8

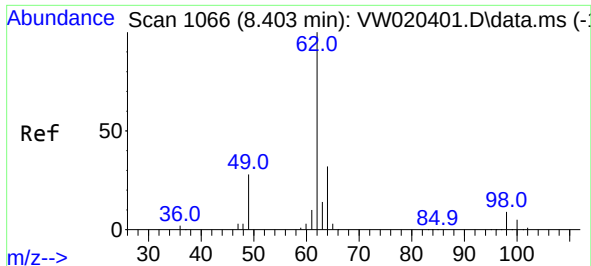


#25  
Chloroform  
Concen: 2.595 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20



Tgt Ion: 83 Resp: 16111  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.6 82.8





#27

1,2-Dichloroethane

Concen: 2.559 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW020399.D

Acq: 08 Oct 2021 10:20

Tgt Ion: 62 Resp: 10767

Ion Ratio Lower Upper

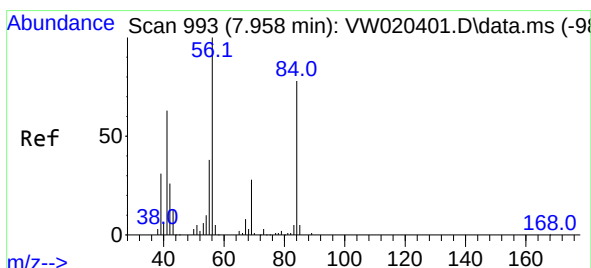
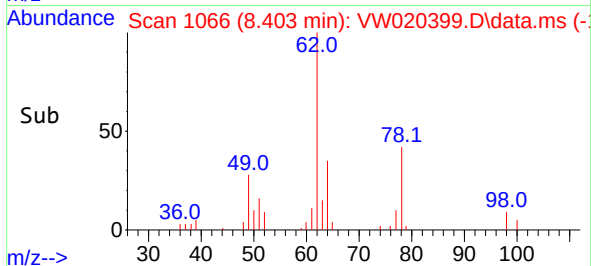
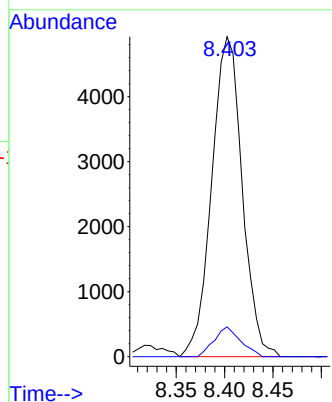
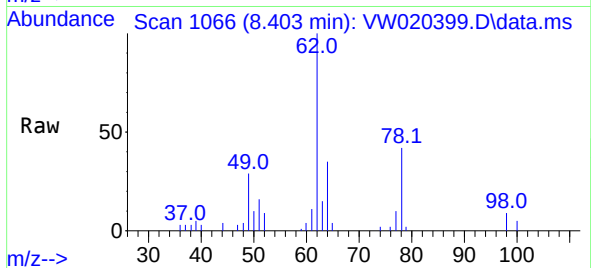
62 100

98 9.3 6.6 10.0

Instrument :

MSVOA\_W

ClientSampled :



#29

Cyclohexane

Concen: 1.855 ug/L

RT: 7.957 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW020399.D

Acq: 08 Oct 2021 10:20

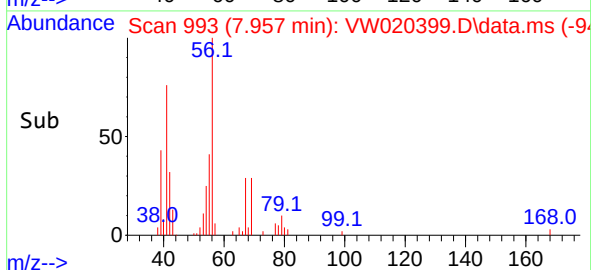
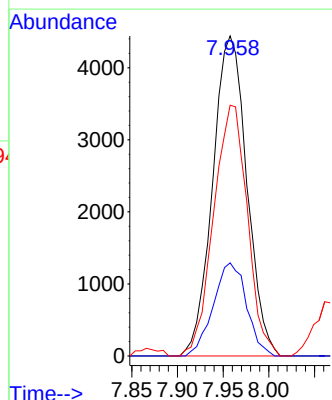
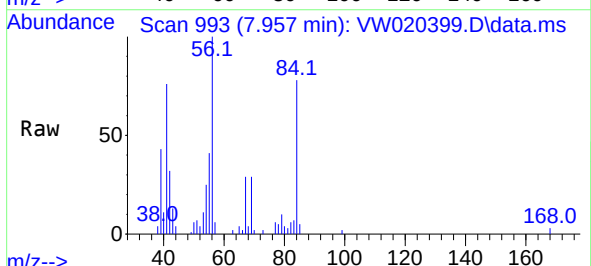
Tgt Ion: 56 Resp: 11547

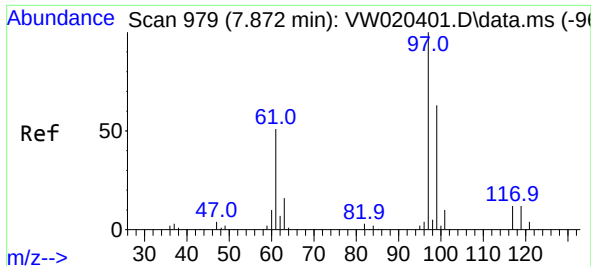
Ion Ratio Lower Upper

56 100

69 28.3 23.2 34.8

84 77.4 63.7 95.5

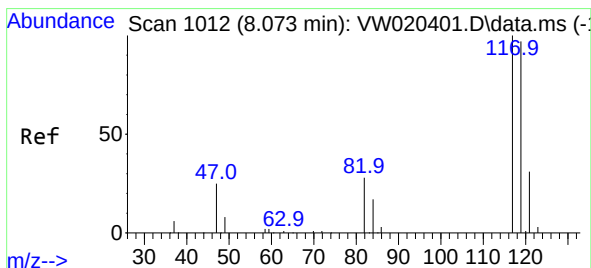
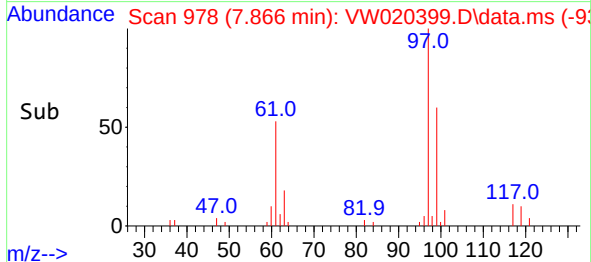
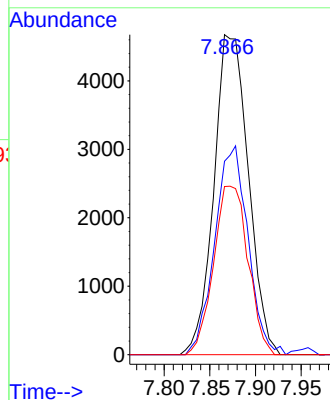
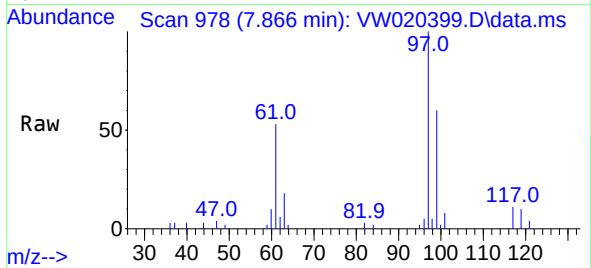




#30  
1,1,1-Trichloroethane  
Concen: 2.441 ug/L  
RT: 7.866 min Scan# 978  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

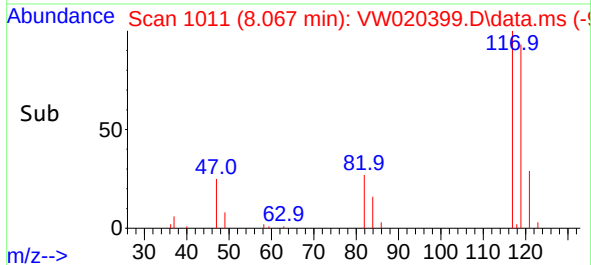
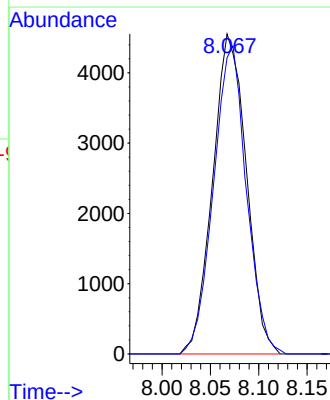
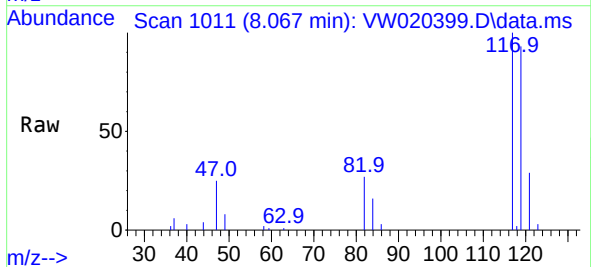
Instrument :  
MSVOA\_W  
ClientSampled :

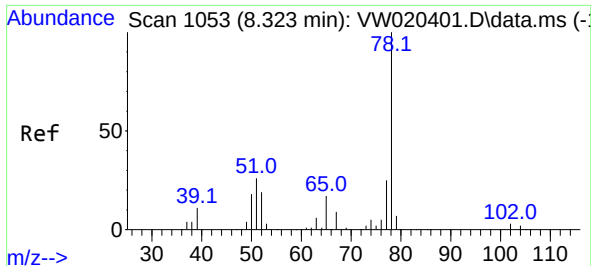
Tgt Ion: 97 Resp: 12268  
Ion Ratio Lower Upper  
97 100  
99 62.5 51.4 77.0  
61 52.6 41.0 61.6



#31  
Carbon tetrachloride  
Concen: 2.506 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

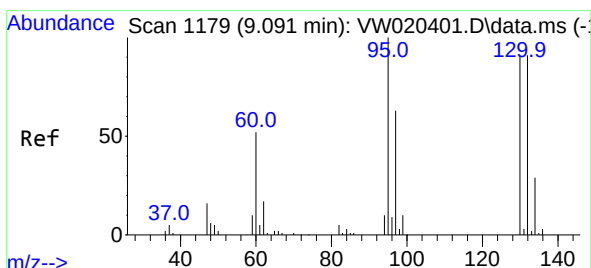
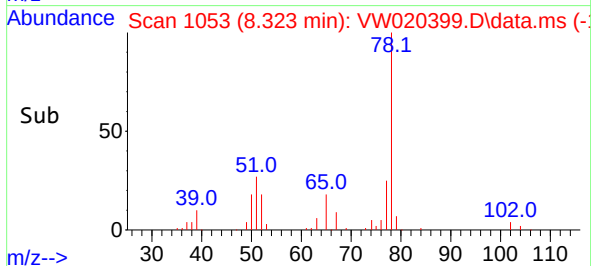
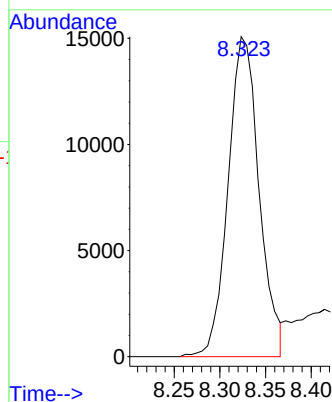
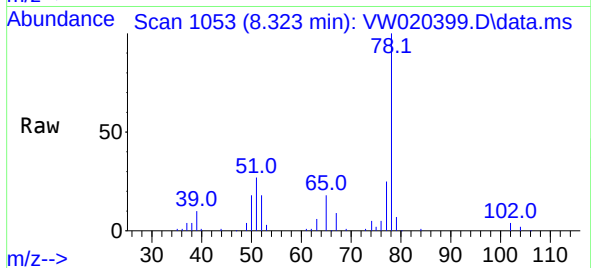
Tgt Ion: 117 Resp: 11019  
Ion Ratio Lower Upper  
117 100  
119 94.1 77.0 115.4





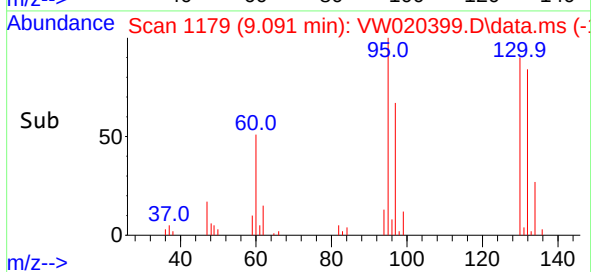
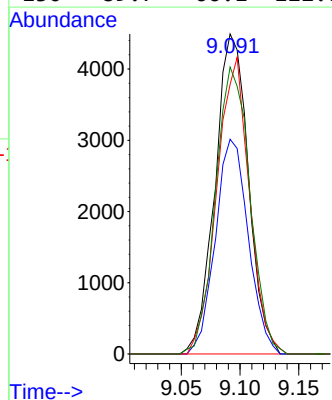
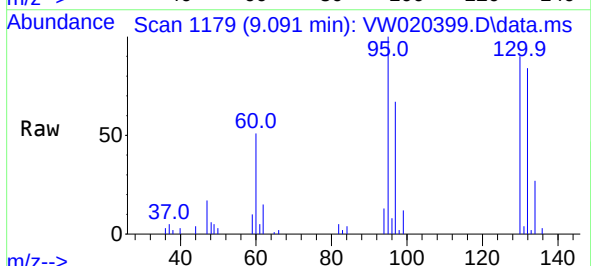
#33  
Benzene  
Concen: 2.448 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20  
Tgt Ion: 78 Resp: 35624

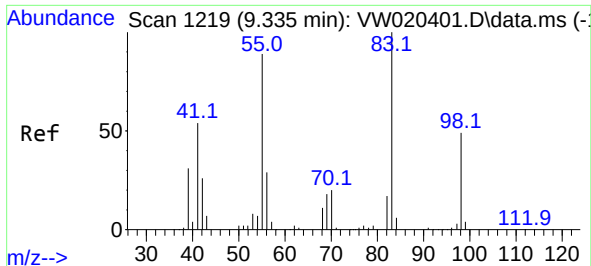
Instrument :  
MSVOA\_W  
ClientSampled :



#34  
Trichloroethene  
Concen: 2.475 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20  
Tgt Ion: 95 Resp: 8874

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.1  | 43.2  | 80.2  |
| 132 | 84.3  | 62.3  | 115.7 |
| 130 | 89.7  | 66.1  | 122.7 |

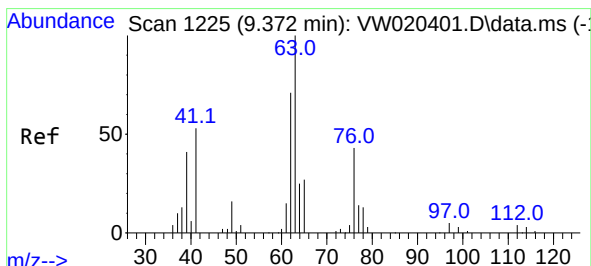
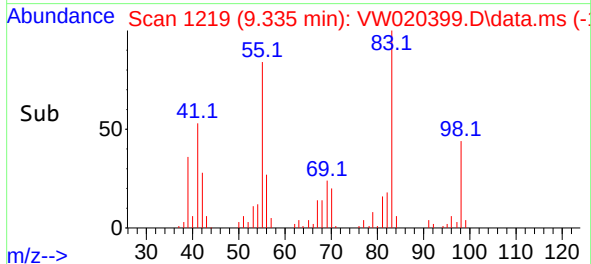
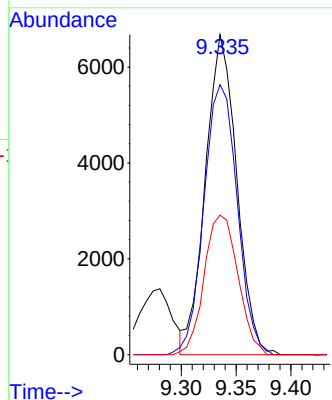
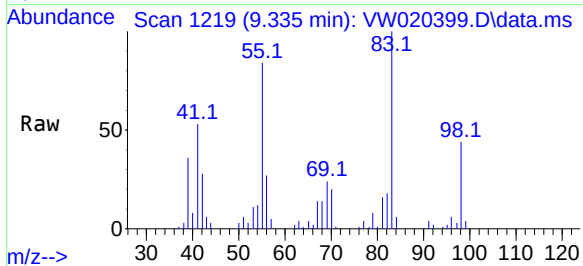




#35  
Methylcyclohexane  
Concen: 2.111 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

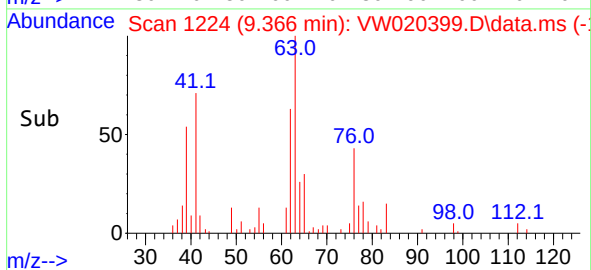
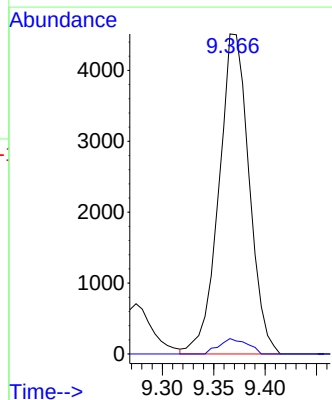
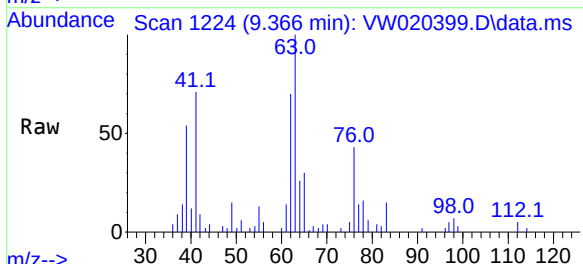
Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion: 83 Resp: 13248  
Ion Ratio Lower Upper  
83 100  
55 90.2 69.7 104.5  
98 47.2 38.2 57.2

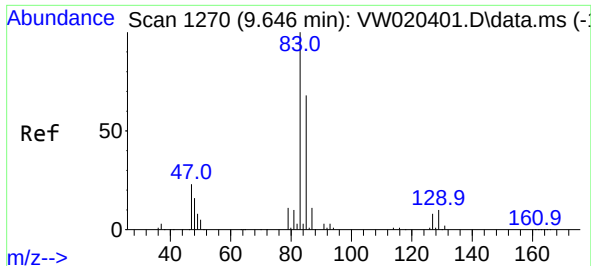


#37  
1,2-Dichloropropane  
Concen: 2.526 ug/L  
RT: 9.366 min Scan# 1224  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 63 Resp: 9246  
Ion Ratio Lower Upper  
63 100  
112 4.5 3.5 5.3



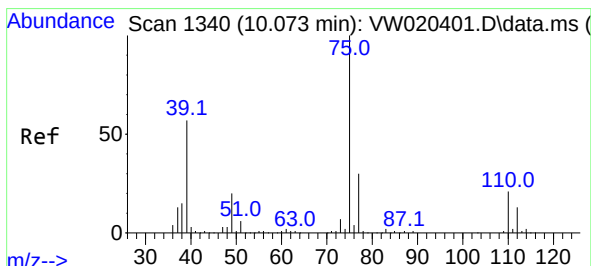
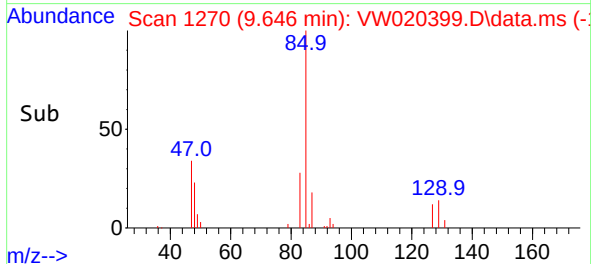
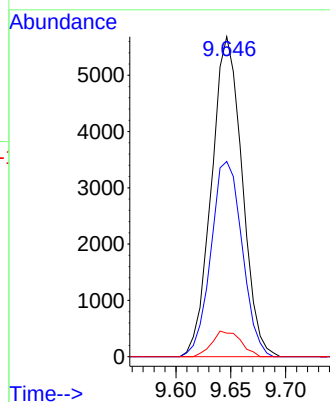
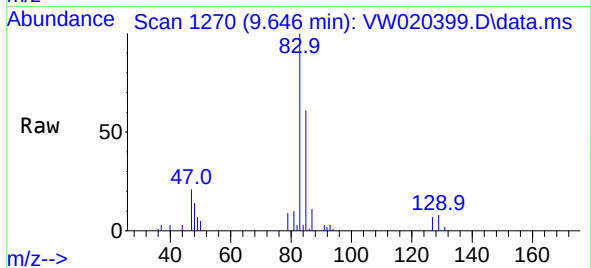




#38  
Bromodichloromethane  
Concen: 2.484 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

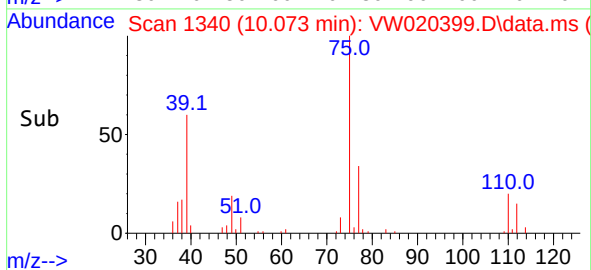
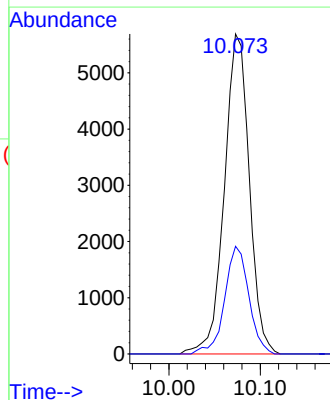
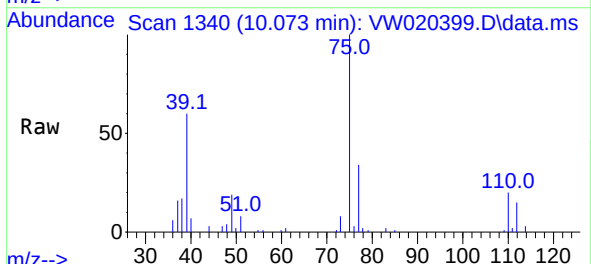
Instrument :  
MSVOA\_W  
ClientSampled :

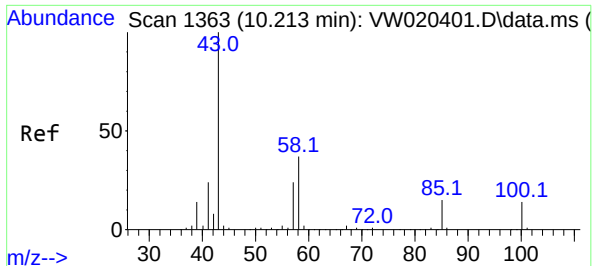
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 11032 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.0  | 43.4  | 80.6  |
| 127      | 7.3   | 6.2   | 9.2   |



#39  
cis-1,3-Dichloropropene  
Concen: 2.087 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10790 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 33.7  | 22.4  | 41.6  |

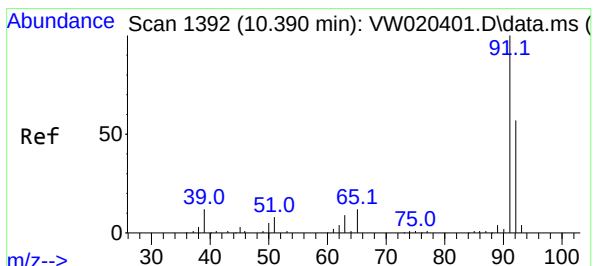
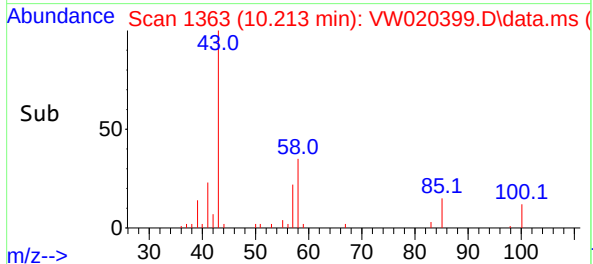
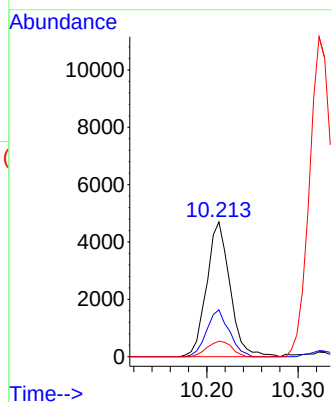
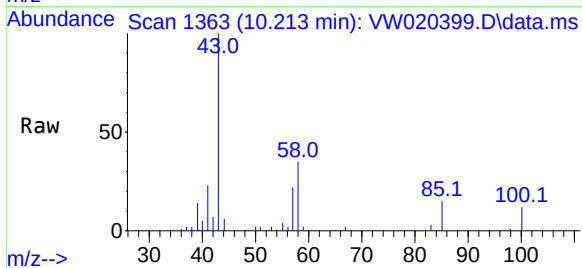




#40  
4-Methyl-2-pentanone  
Concen: 3.987 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

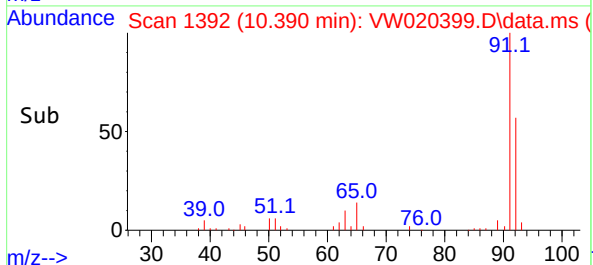
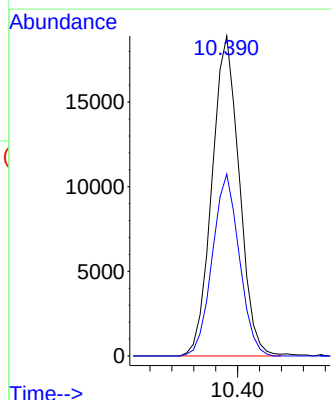
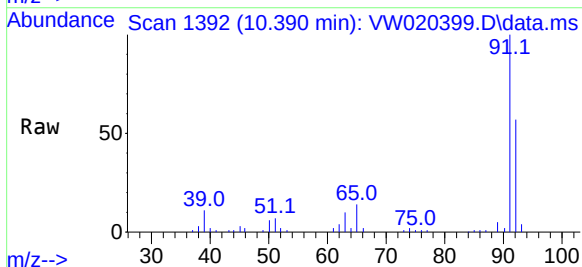
Instrument :  
MSVOA\_W  
ClientSampled :

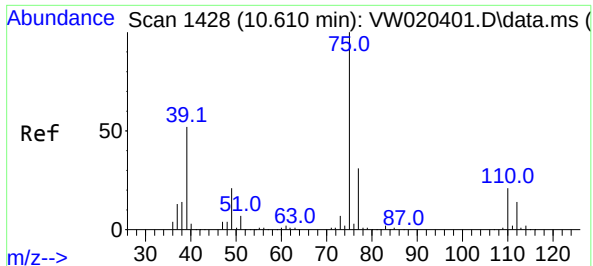
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8334  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.6  | 29.0  | 43.4  |
| 100      | 12.0  | 10.2  | 15.4  |



#42  
Toluene  
Concen: 2.231 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 32724 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 56.8  | 41.5  | 77.1  |

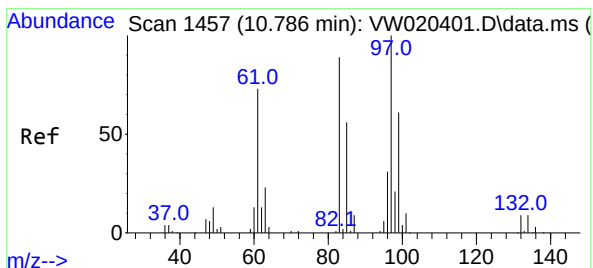
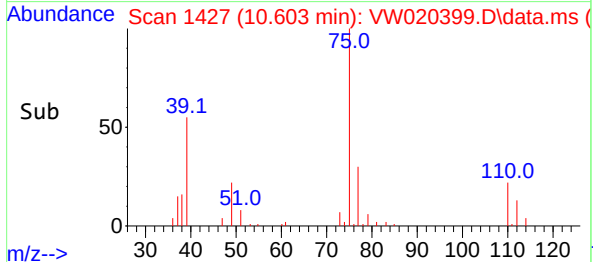
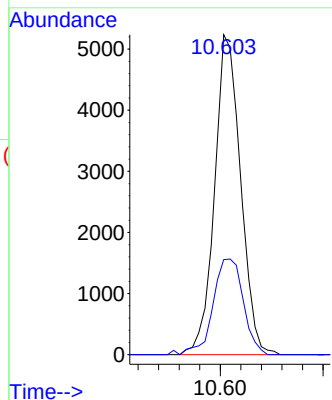
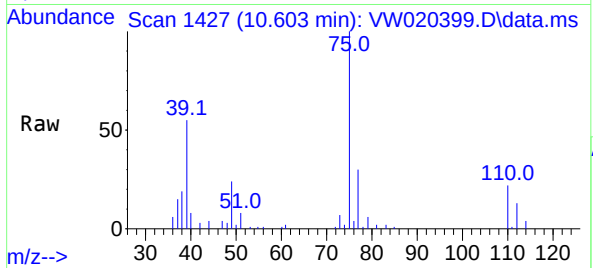




#44  
trans-1,3-Dichloropropene  
Concen: 2.038 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

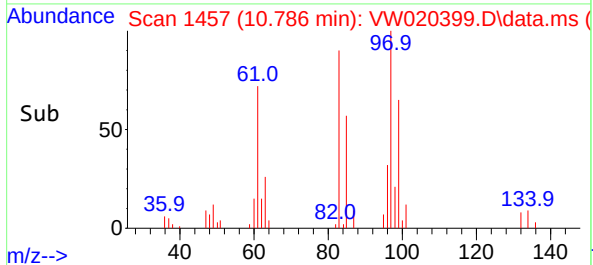
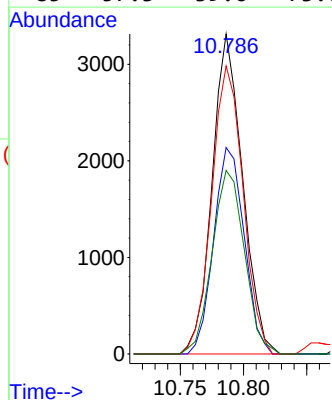
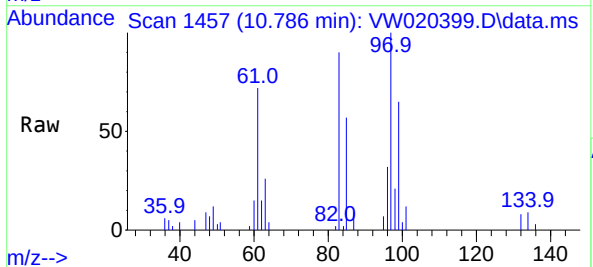
Instrument :  
MSVOA\_W  
ClientSampled :

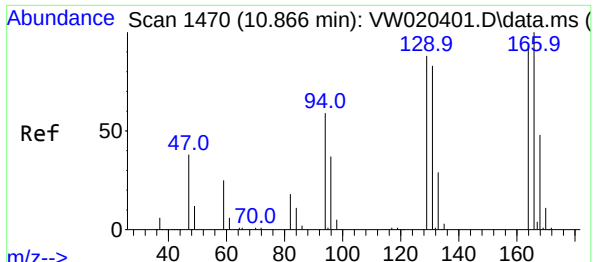
Tgt Ion: 75 Resp: 9206  
Ion Ratio Lower Upper  
75 100  
77 29.7 21.8 40.4



#45  
1,1,2-Trichloroethane  
Concen: 2.358 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

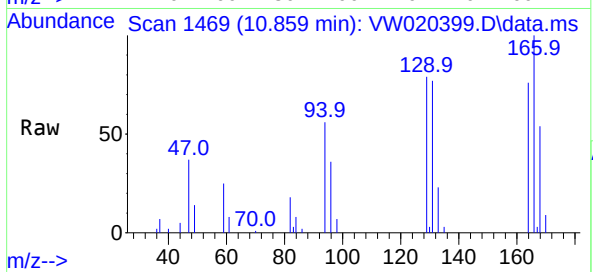
Tgt Ion: 97 Resp: 5545  
Ion Ratio Lower Upper  
97 100  
99 64.5 42.8 79.4  
83 90.0 60.9 113.1  
85 57.3 39.6 73.6





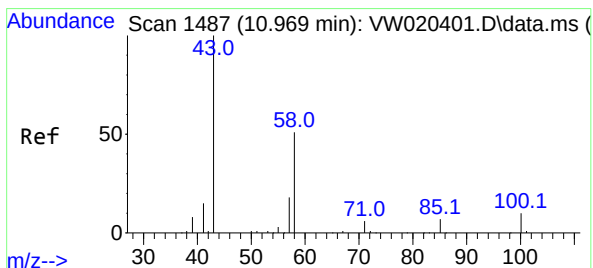
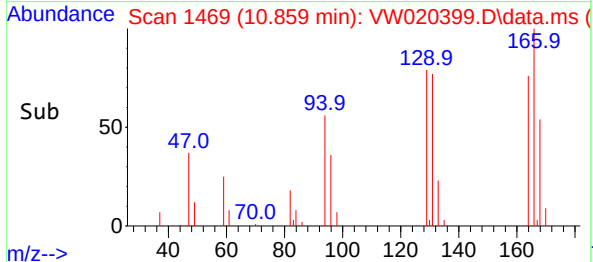
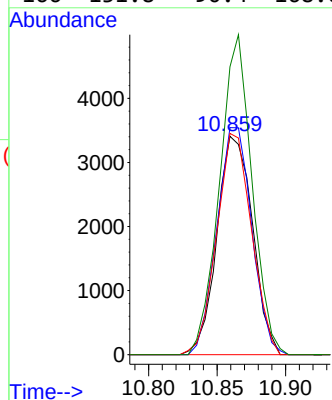
#46  
Tetrachloroethene  
Concen: 2.338 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Instrument :  
MSVOA\_W  
ClientSampled :

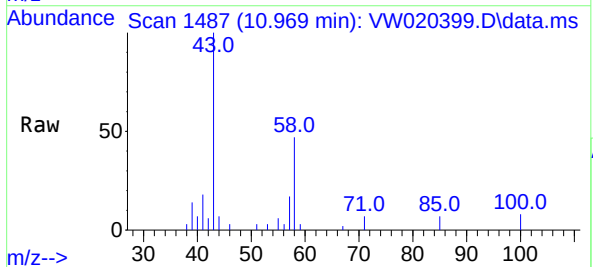


Tgt Ion:164 Resp: 6160

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 104.0 | 69.1  | 128.3 |
| 131 | 101.3 | 58.3  | 108.3 |
| 166 | 131.8 | 90.4  | 168.0 |

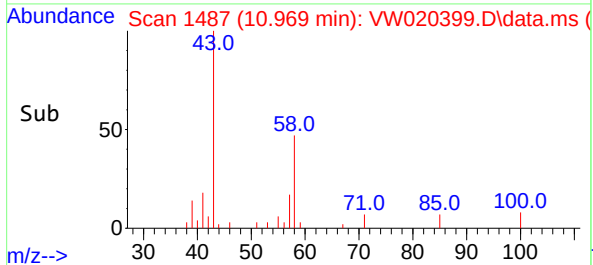
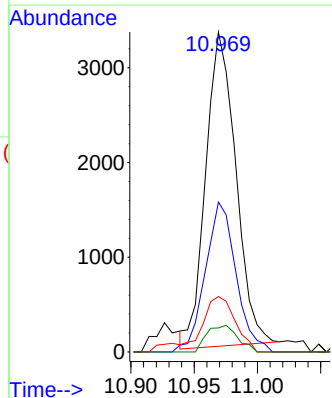


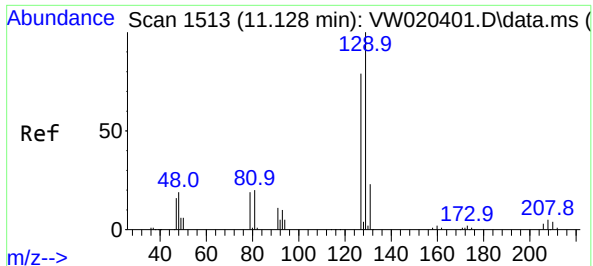
#48  
2-Hexanone  
Concen: 3.594 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20



Tgt Ion: 43 Resp: 5495

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 48.6  | 39.5  | 59.3  |
| 57  | 18.8  | 14.2  | 21.4  |
| 100 | 8.7   | 8.2   | 12.4  |





#49

Dibromochloromethane

Concen: 2.295 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VW020399.D

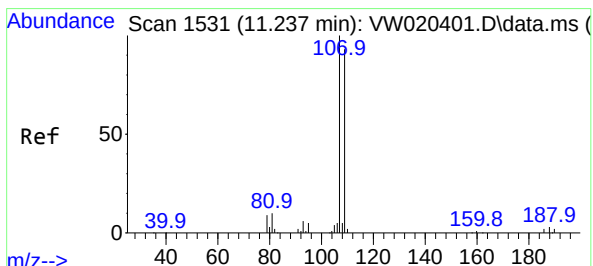
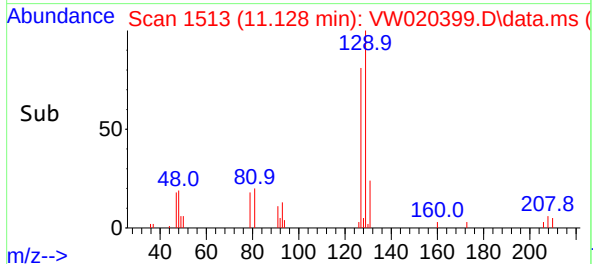
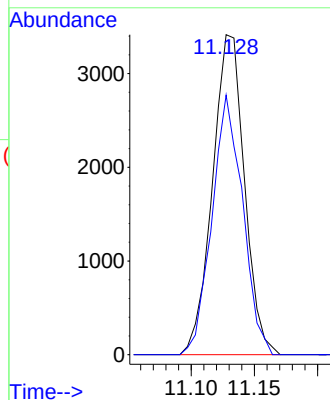
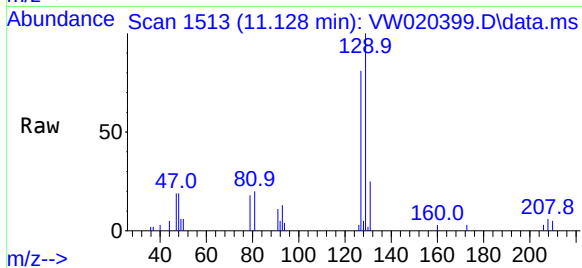
Acq: 08 Oct 2021 10:20

Tgt Ion:129 Resp: 6014

Ion Ratio Lower Upper

129 100

127 81.1 55.1 102.3



#50

1,2-Dibromoethane

Concen: 2.284 ug/L

RT: 11.231 min Scan# 1530

Delta R.T. -0.006 min

Lab File: VW020399.D

Acq: 08 Oct 2021 10:20

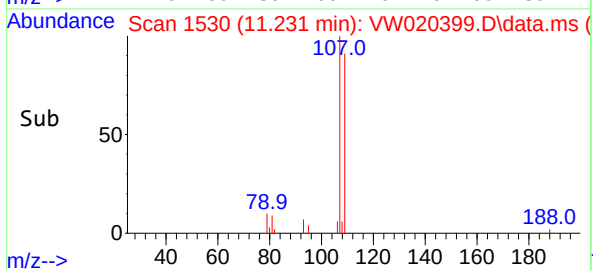
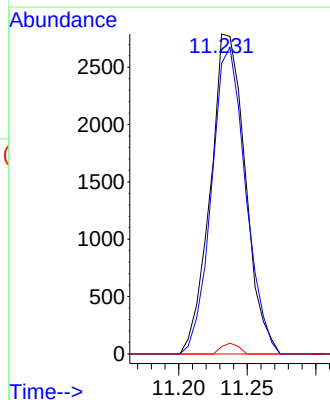
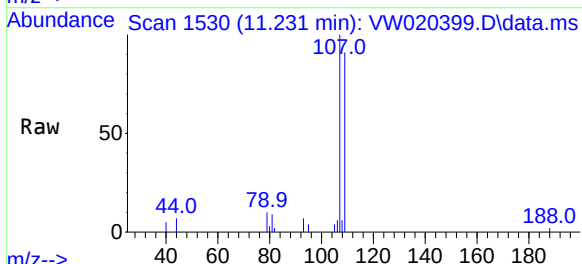
Tgt Ion:107 Resp: 4943

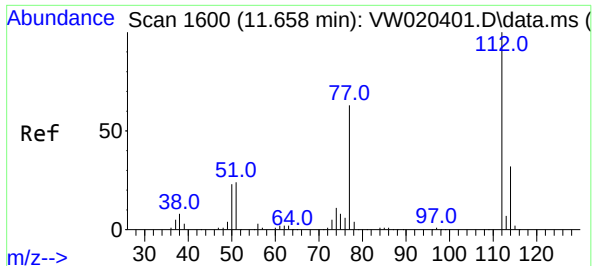
Ion Ratio Lower Upper

107 100

109 90.9 64.5 119.9

188 2.3 3.2 4.8#

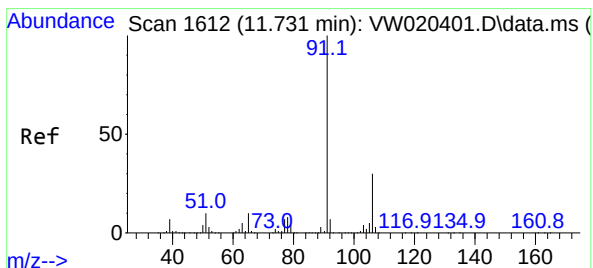
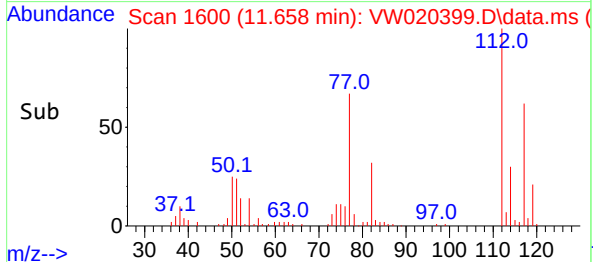
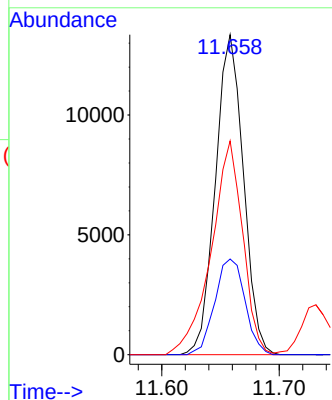
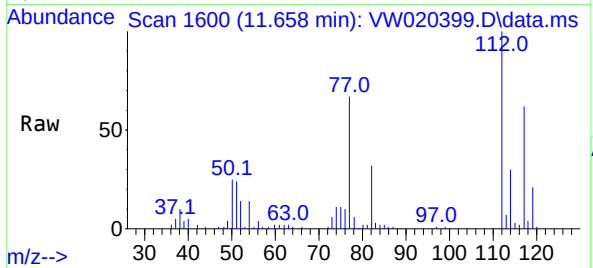




#51  
Chlorobenzene  
Concen: 2.478 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

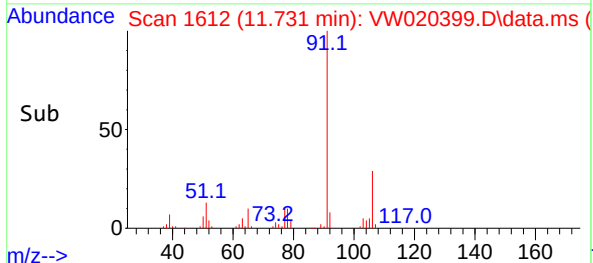
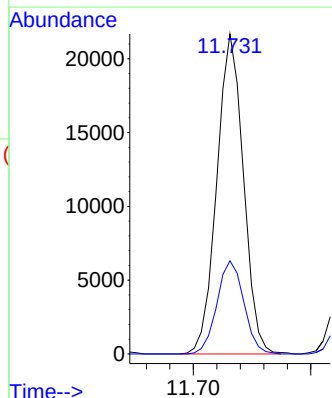
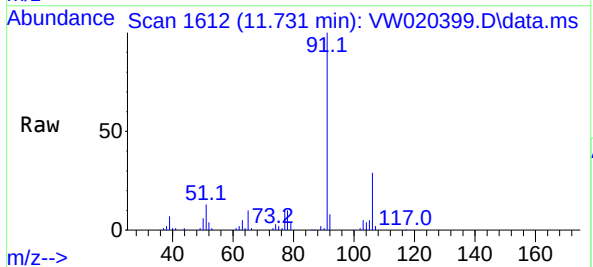
Instrument :  
MSVOA\_W  
ClientSampled :

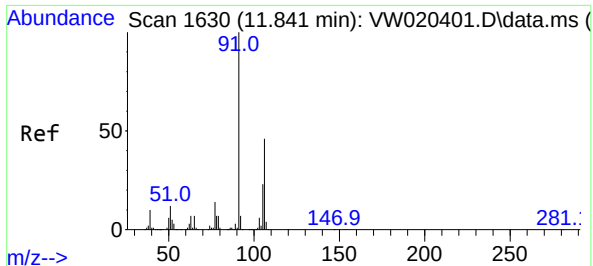
Tgt Ion:112 Resp: 22131  
Ion Ratio Lower Upper  
112 100  
114 29.9 22.3 41.5  
77 66.8 50.7 76.1



#52  
Ethylbenzene  
Concen: 2.121 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 91 Resp: 34081  
Ion Ratio Lower Upper  
91 100  
106 29.1 21.3 39.5

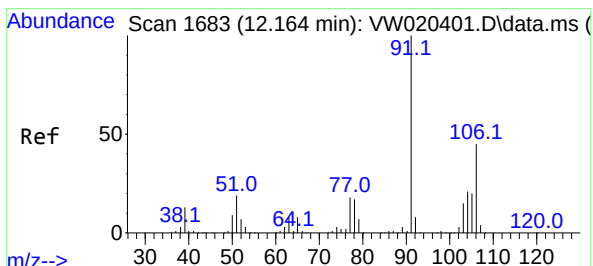
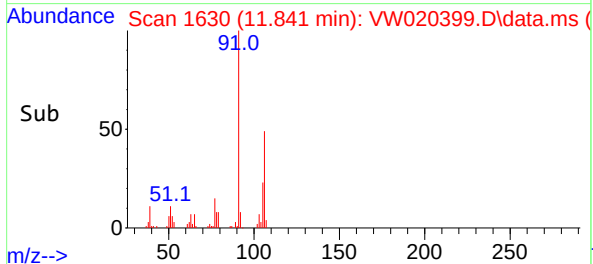
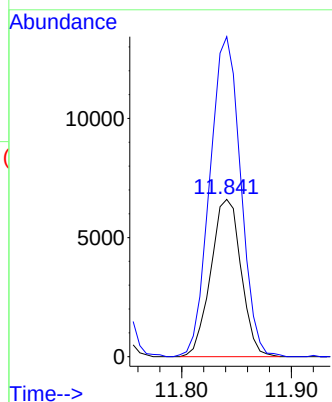
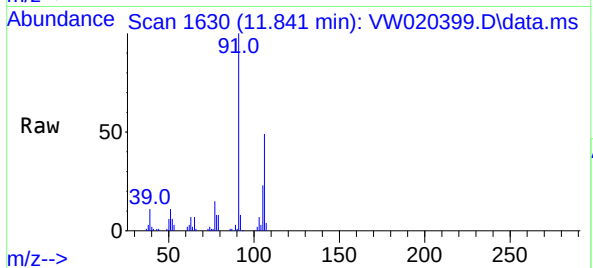




#53  
m,p-Xylene  
Concen: 2.142 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

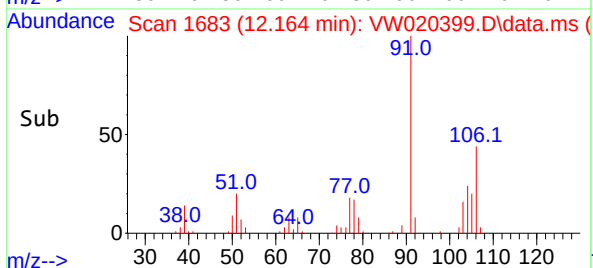
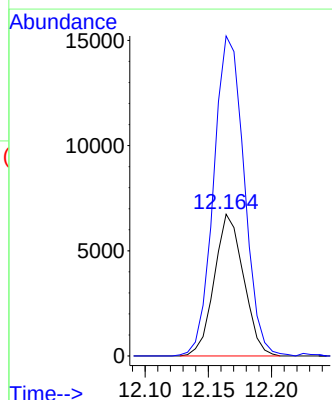
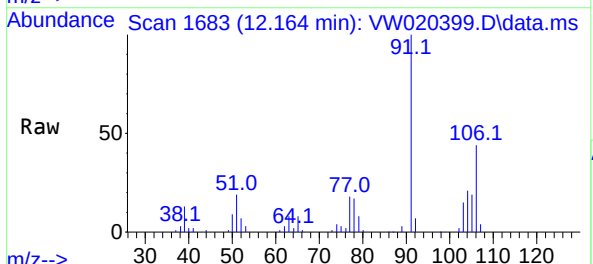
Instrument :  
MSVOA\_W  
ClientSampled :

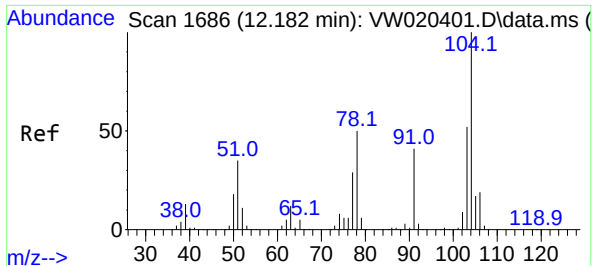
Tgt Ion:106 Resp: 12689  
Ion Ratio Lower Upper  
106 100  
91 203.4 148.2 275.2



#54  
o-Xylene  
Concen: 1.955 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion:106 Resp: 10854  
Ion Ratio Lower Upper  
106 100  
91 225.7 156.1 289.9

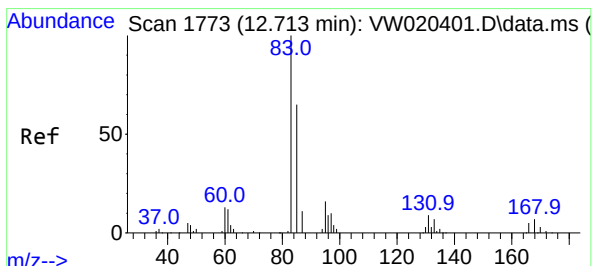
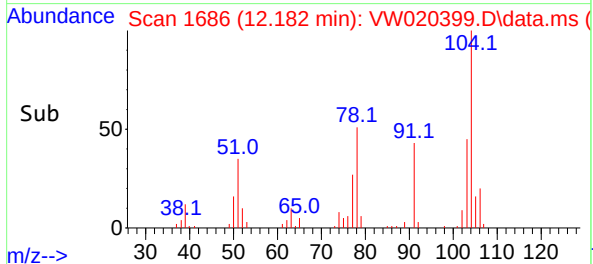
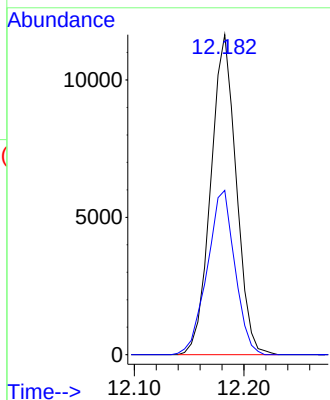
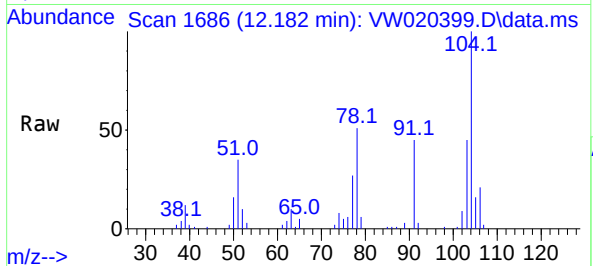




#55  
Styrene  
Concen: 1.971 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

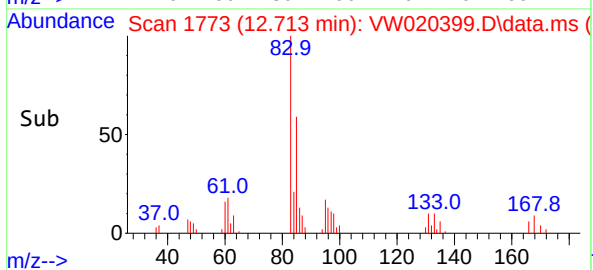
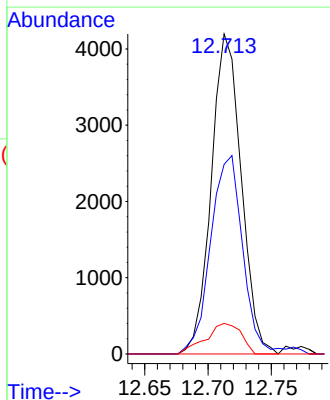
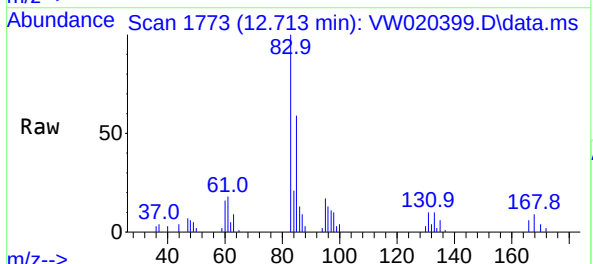
Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion:104 Resp: 18783  
Ion Ratio Lower Upper  
104 100  
78 51.4 33.2 61.7

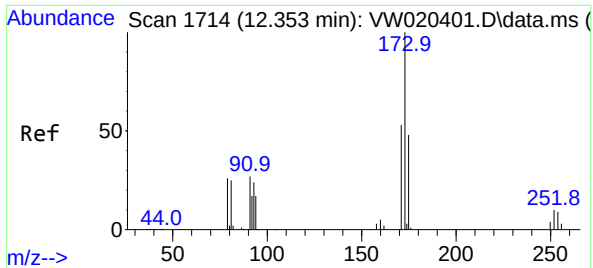


#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.446 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 83 Resp: 6908  
Ion Ratio Lower Upper  
83 100  
85 59.2 45.9 85.3  
131 9.5 7.4 11.2



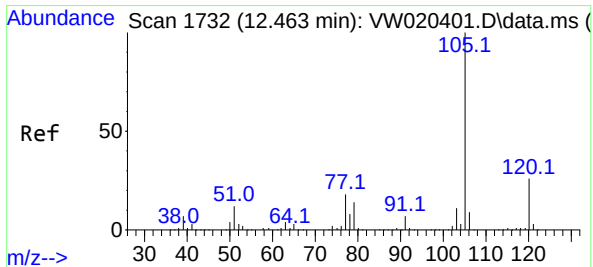
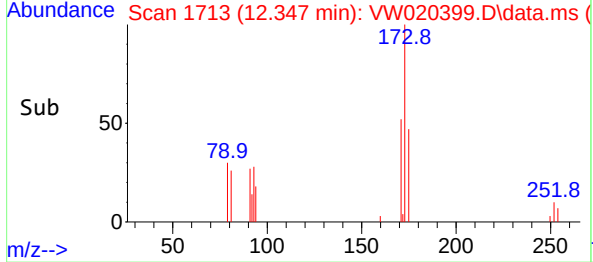
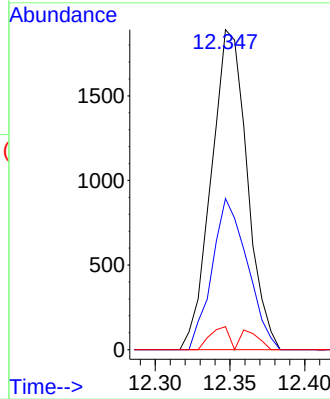
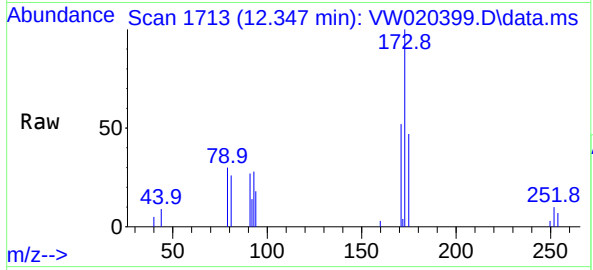




#59  
Bromoform  
Concen: 2.244 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

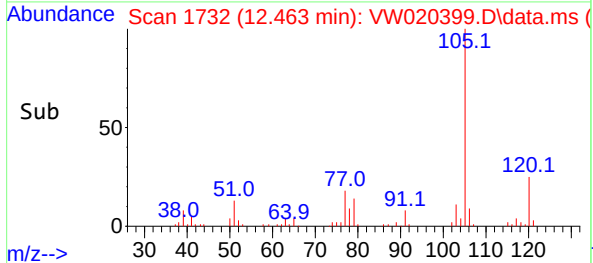
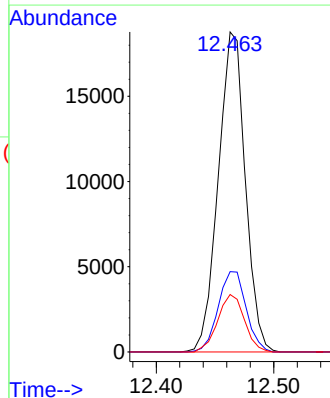
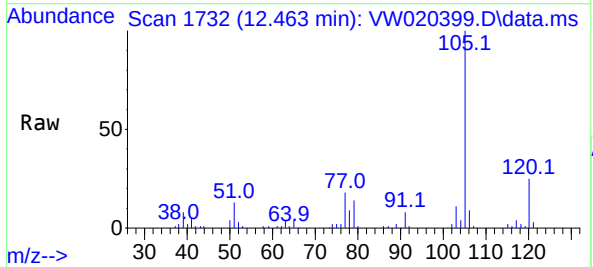
Instrument :  
MSVOA\_W  
ClientSampled :

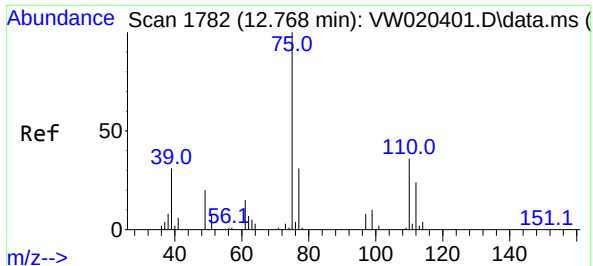
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 3151      |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 46.5  | 38.6 57.8 |
| 254         | 3.8   | 7.3 10.9# |



#60  
Isopropylbenzene  
Concen: 1.946 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 29974     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 26.0  | 20.3 30.5 |
| 77          | 17.8  | 13.8 20.6 |

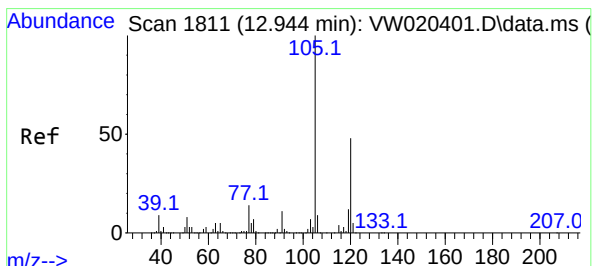
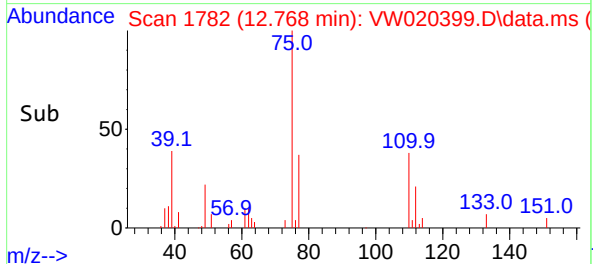
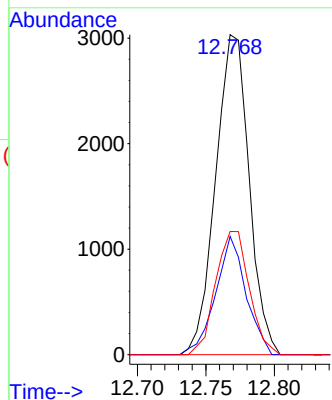
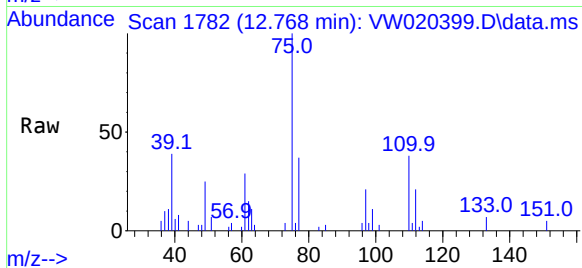




#61  
1,2,3-Trichloropropane  
Concen: 2.434 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

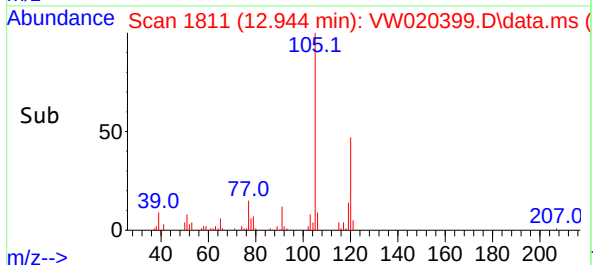
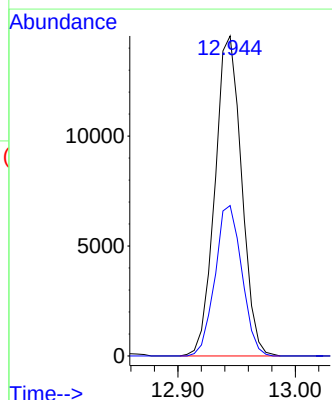
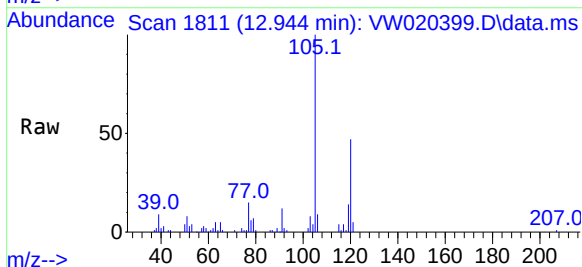
Instrument :  
MSVOA\_W  
ClientSampled :

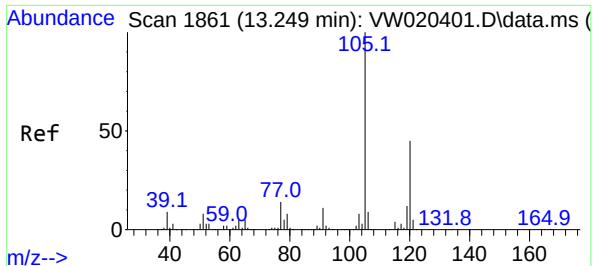
Tgt Ion: 75 Resp: 5162  
Ion Ratio Lower Upper  
75 100  
77 33.6 25.1 37.7  
110 38.6 29.4 44.0



#62  
1,3,5-Trimethylbenzene  
Concen: 1.839 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion: 105 Resp: 22894  
Ion Ratio Lower Upper  
105 100  
120 47.4 37.9 56.9

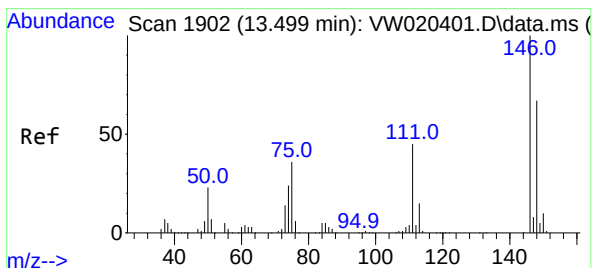
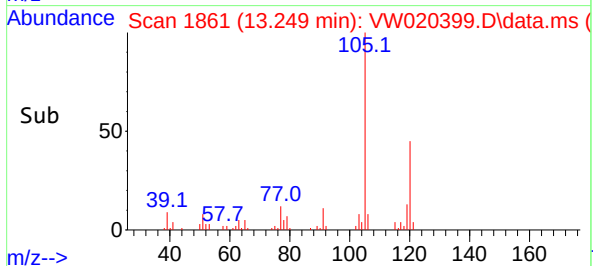
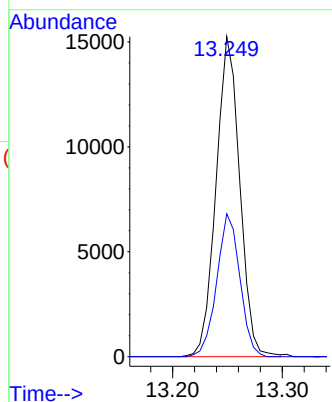
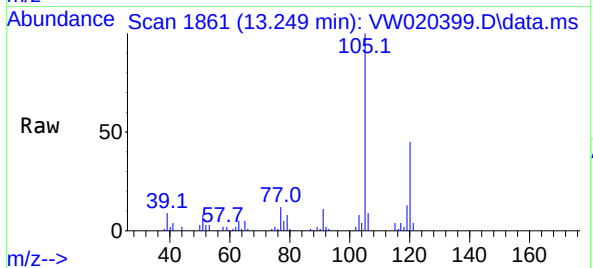




#63  
1,2,4-Trimethylbenzene  
Concen: 1.836 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

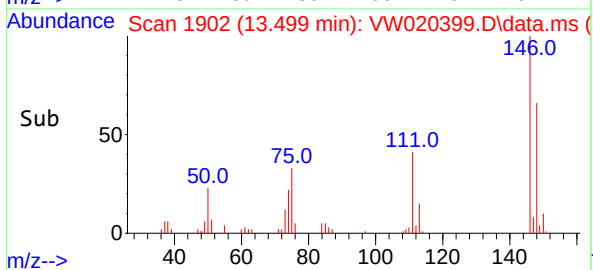
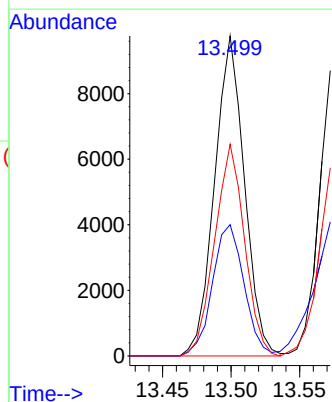
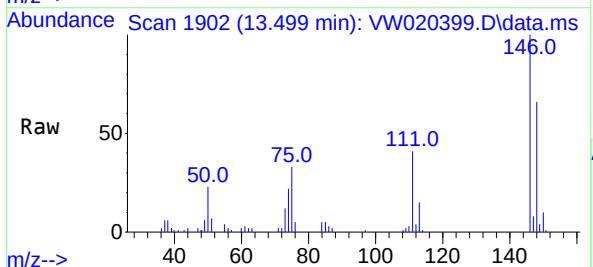
Instrument :  
MSVOA\_W  
ClientSampled :

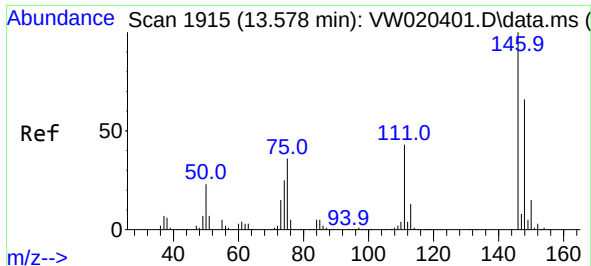
Tgt Ion:105 Resp: 22888  
Ion Ratio Lower Upper  
105 100  
120 43.5 35.4 53.2



#64  
1,3-Dichlorobenzene  
Concen: 2.281 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

Tgt Ion:146 Resp: 14795  
Ion Ratio Lower Upper  
146 100  
111 41.1 29.0 53.8  
148 66.2 42.4 78.6

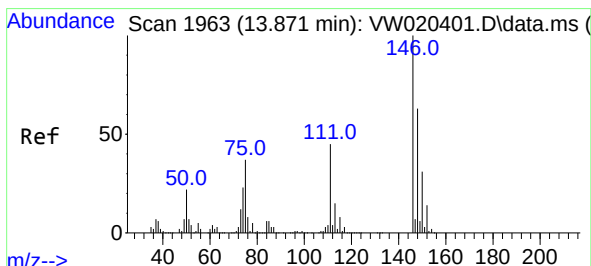
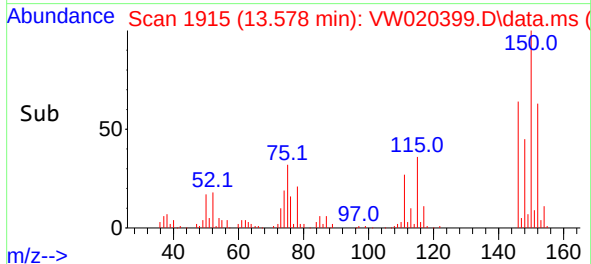
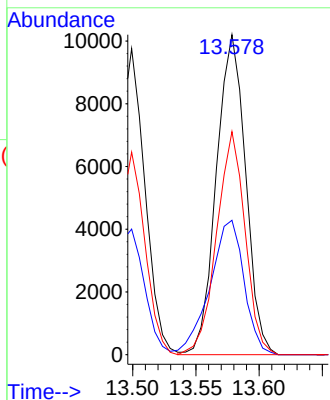
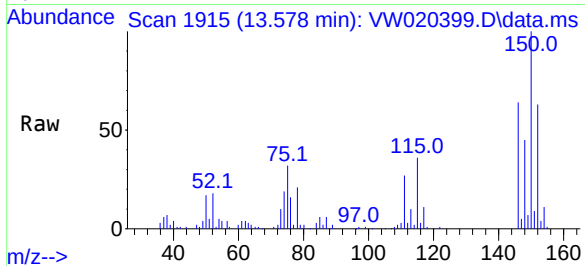




#65  
1,4-Dichlorobenzene  
Concen: 2.496 ug/L  
RT: 13.578 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

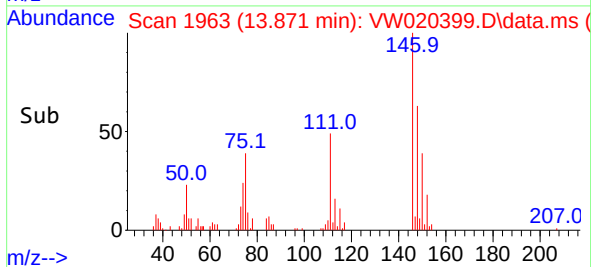
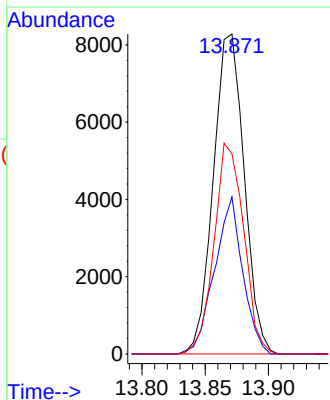
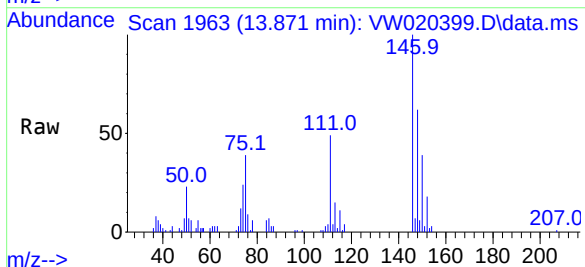
Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion:146 Resp: 16394  
Ion Ratio Lower Upper  
146 100  
111 42.0 30.9 57.5  
148 69.7 46.1 85.7

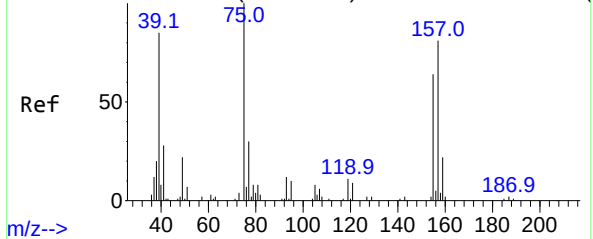


#67  
1,2-Dichlorobenzene  
Concen: 2.420 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

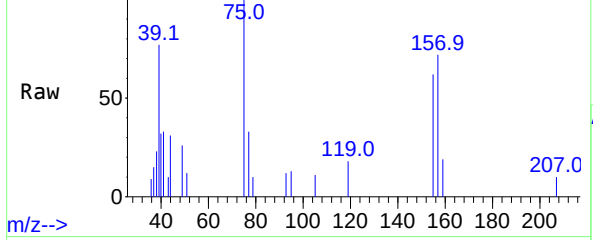
Tgt Ion:146 Resp: 14070  
Ion Ratio Lower Upper  
146 100  
111 49.1 33.9 50.9  
148 62.5 51.0 76.4



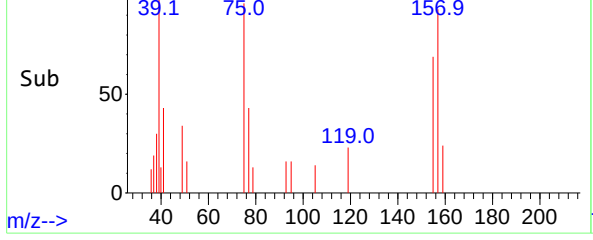
Abundance Scan 2063 (14.481 min): VW020401.D\data.ms (



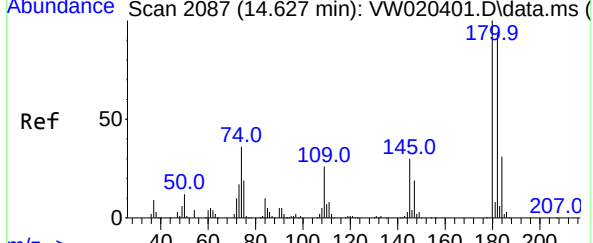
m/z--> Abundance Scan 2064 (14.487 min): VW020399.D\data.ms



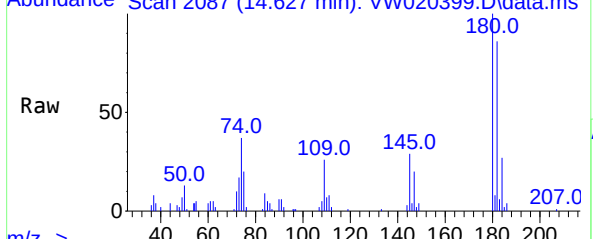
m/z--> Abundance Scan 2064 (14.487 min): VW020399.D\data.ms (



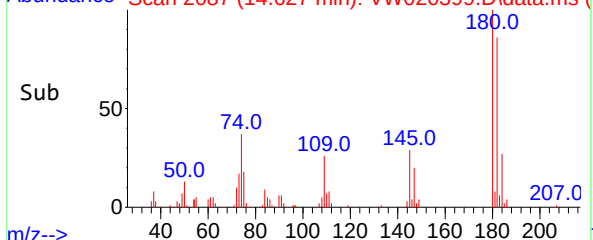
m/z--> Abundance Scan 2087 (14.627 min): VW020401.D\data.ms (



m/z--> Abundance Scan 2087 (14.627 min): VW020399.D\data.ms



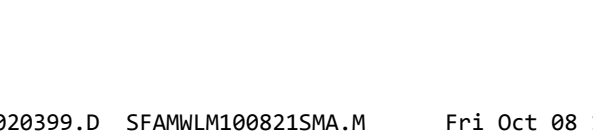
m/z--> Abundance Scan 2087 (14.627 min): VW020399.D\data.ms (



m/z--> Abundance Scan 2087 (14.627 min): VW020399.D\data.ms (

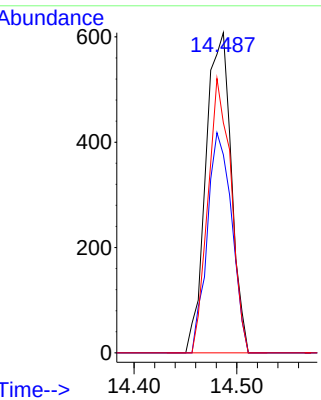


m/z--> Abundance Scan 2087 (14.627 min): VW020399.D\data.ms (



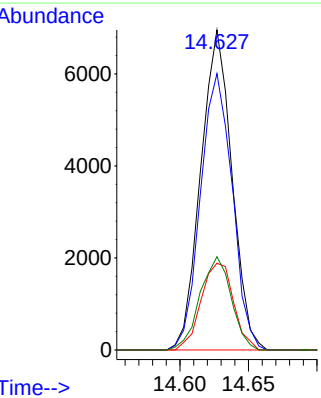
#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.301 ug/L  
RT: 14.487 min Scan# 2064  
Delta R.T. 0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

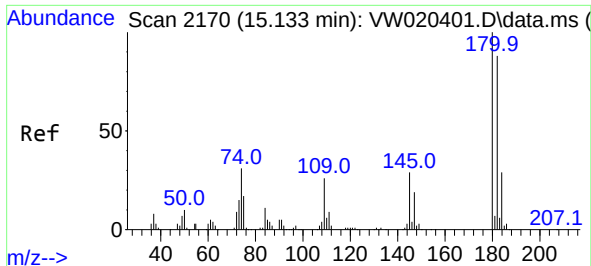
|             |                 |
|-------------|-----------------|
| Tgt Ion: 75 | Resp: 1043      |
| Ion Ratio   | Lower Upper     |
| 75          | 100             |
| 155         | 61.8 51.4 77.0  |
| 157         | 71.9 70.8 106.2 |



#69  
1,3,5-Trichlorobenzene  
Concen: 2.389 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

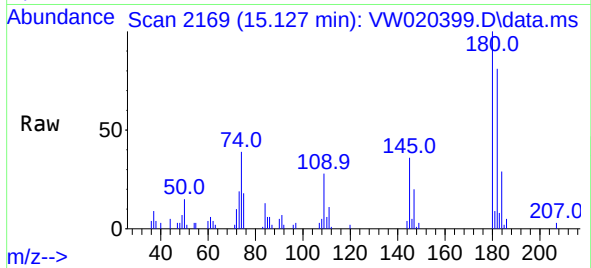
|              |                 |
|--------------|-----------------|
| Tgt Ion: 180 | Resp: 10991     |
| Ion Ratio    | Lower Upper     |
| 180          | 100             |
| 182          | 88.0 73.4 110.0 |
| 184          | 28.3 24.2 36.4  |
| 145          | 29.3 23.7 35.5  |



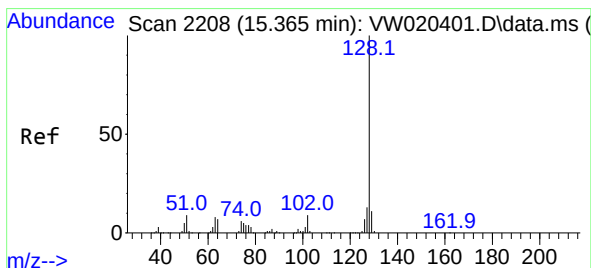
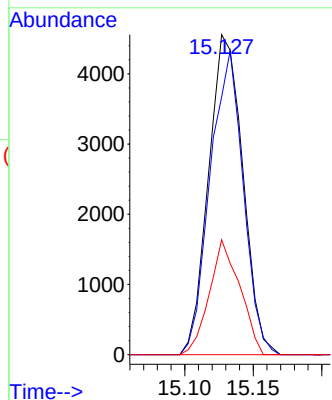
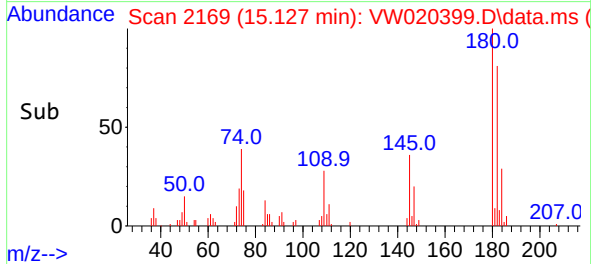


#70  
1,2,4-trichlorobenzene  
Concen: 2.184 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.006 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20

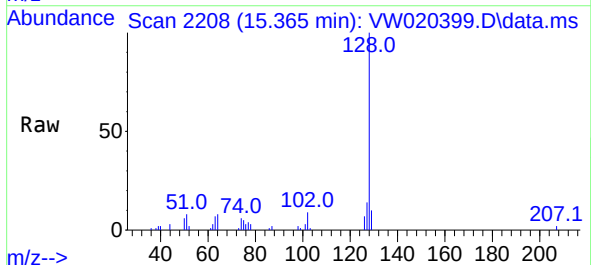
Instrument :  
MSVOA\_W  
ClientSampled :



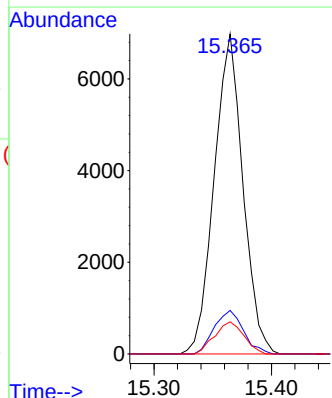
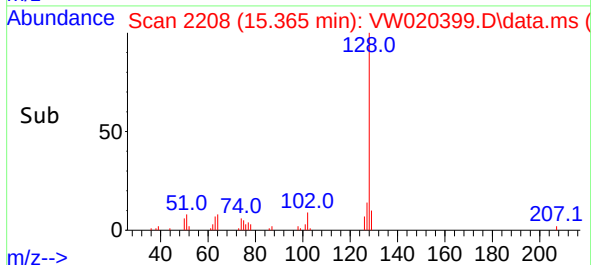
Tgt Ion:180 Resp: 7917  
Ion Ratio Lower Upper  
180 100  
182 91.5 75.8 113.8  
145 32.1 24.8 37.2

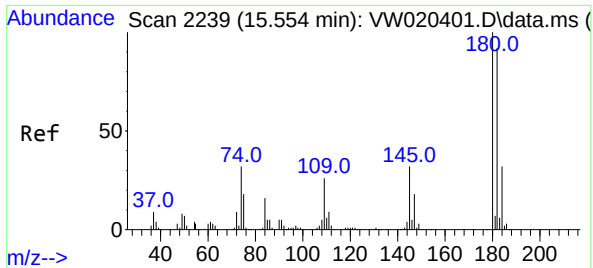


#71  
Naphthalene  
Concen: 1.853 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW020399.D  
Acq: 08 Oct 2021 10:20



Tgt Ion:128 Resp: 11857  
Ion Ratio Lower Upper  
128 100  
127 13.9 10.5 15.7  
129 10.2 8.7 13.1





#72  
 1,2,3-Trichlorobenzene  
 Concen: 2.253 ug/L  
 RT: 15.554 min Scan# 2239  
 Delta R.T. -0.000 min  
 Lab File: VW020399.D  
 Acq: 08 Oct 2021 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 7132  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.7  | 74.8  | 112.2 |
| 145      | 32.9  | 26.2  | 39.4  |

