

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121121\  
 Data File : VW021339.D  
 Acq On : 11 Dec 2021 20:32  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 12 08:09:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 10 23:12:45 2021  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 8.842     | 114   | 84361    | 25.000   | ug/L        | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628    | 117   | 83030    | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152   | 49252    | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.349     | 65    | 47271    | 30.767   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 123.080%  |          |
| 7) Chloroethane-d5            | 2.879     | 69    | 32225    | 31.727   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 126.920%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63    | 49819    | 24.321   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 97.280%   |          |
| 21) 2-Butanone-d5             | 7.074     | 46    | 15080    | 69.629   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 139.260%# |          |
| 24) Chloroform-d              | 7.647     | 84    | 63939    | 27.197   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 108.800%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 34242    | 27.382   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 109.520%  |          |
| 32) Benzene-d6                | 8.275     | 84    | 119628   | 26.285   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 105.160%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 33729    | 27.634   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 110.520%  |          |
| 41) Toluene-d8                | 10.323    | 98    | 117061   | 25.174   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 100.680%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79    | 16093    | 28.635   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 114.520%  |          |
| 47) 2-Hexanone-d5             | 10.921    | 63    | 12691    | 70.315   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 140.620%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688    | 84    | 33089    | 31.536   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 126.160%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 52545    | 27.528   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 110.120%  |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          | Qvalue      |          |
| 2) Dichlorodifluoromethane    | 2.007     | 85    | 12245    | 37.567   | ug/L        | 97       |
| 3) Chloromethane              | 2.215     | 50    | 24507    | 22.710   | ug/L        | 99       |
| 5) Vinyl chloride             | 2.355     | 62    | 42351    | 25.000   | ug/L        | 97       |
| 6) Bromomethane               | 2.776     | 94    | 30860    | 28.085   | ug/L        | 95       |
| 8) Chloroethane               | 2.916     | 64    | 21117    | 27.058   | ug/L        | 96       |
| 9) Trichlorofluoromethane     | 3.257     | 101   | 16599    | 18.570   | ug/L        | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056     | 101   | 27534    | 23.637   | ug/L        | 93       |
| 12) 1,1-Dichloroethene        | 4.038     | 96    | 23735    | 22.698   | ug/L        | 82       |
| 13) Acetone                   | 4.123     | 43    | 8825     | 45.454   | ug/L        | 88       |
| 14) Carbon disulfide          | 4.379     | 76    | 66716    | 24.706   | ug/L        | 99       |
| 15) Methyl Acetate            | 4.666     | 43    | 9652     | 28.812   | ug/L        | # 87     |
| 16) Methylene chloride        | 4.915     | 84    | 28540    | 20.475   | ug/L        | 83       |
| 17) trans-1,2-Dichloroethene  | 5.422     | 96    | 26267    | 23.200   | ug/L        | 83       |
| 18) Methyl tert-butyl Ether   | 5.422     | 73    | 38639    | 24.710   | ug/L        | 92       |
| 19) 1,1-Dichloroethane        | 6.214     | 63    | 41739    | 23.493   | ug/L        | 93       |
| 20) cis-1,2-Dichloroethene    | 7.165     | 96    | 28166    | 23.585   | ug/L        | 73       |
| 22) 2-Butanone                | 7.171     | 43    | 13116    | 51.729   | ug/L        | 86       |
| 23) Bromochloromethane        | 7.513     | 128   | 13906    | 24.904   | ug/L        | # 68     |
| 25) Chloroform                | 7.671     | 83    | 49324    | 23.915   | ug/L        | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Dec 12 08:09:42 2021  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 10 23:12:45 2021  
 Response via : Initial Calibration

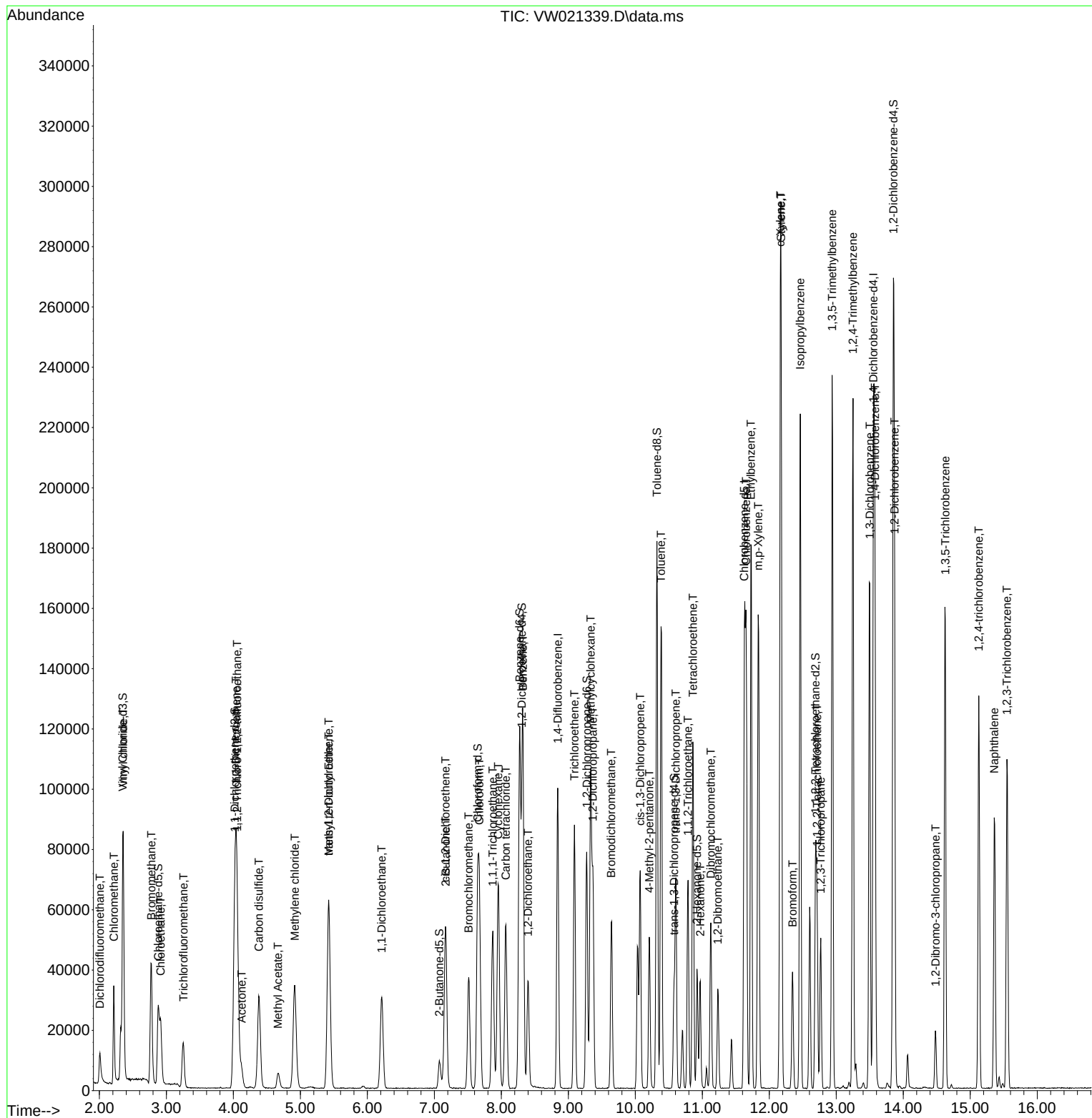
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 31300    | 23.965 | ug/L   | 96       |
| 29) Cyclohexane               | 7.952  | 56   | 34212    | 20.701 | ug/L # | 79       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 42188    | 22.646 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 40035    | 23.296 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 101227   | 22.380 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 27819    | 21.910 | ug/L   | 83       |
| 35) Methylcyclohexane         | 9.335  | 83   | 44081    | 21.047 | ug/L # | 84       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 23361    | 23.155 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.640  | 83   | 36443    | 26.271 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 39276    | 24.696 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 30673    | 55.797 | ug/L # | 91       |
| 42) Toluene                   | 10.384 | 91   | 114626   | 21.669 | ug/L   | 89       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 35726    | 25.647 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 21313    | 25.810 | ug/L   | 91       |
| 46) Tetrachloroethene         | 10.860 | 164  | 25847    | 21.429 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.969 | 43   | 21647    | 54.300 | ug/L # | 92       |
| 49) Dibromochloromethane      | 11.128 | 129  | 28387    | 27.885 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 20602    | 25.070 | ug/L   | 98       |
| 51) Chlorobenzene             | 11.652 | 112  | 77913    | 21.999 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.725 | 91   | 126521   | 20.930 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 51442    | 21.094 | ug/L   | 92       |
| 54) o-Xylene                  | 12.164 | 106  | 50549    | 21.841 | ug/L   | 92       |
| 55) Styrene                   | 12.176 | 104  | 88782    | 22.540 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 25375    | 26.806 | ug/L # | 92       |
| 59) Bromoform                 | 12.347 | 173  | 17361    | 29.625 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 138005   | 20.621 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 18523    | 25.841 | ug/L # | 92       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 119084   | 20.911 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 118739   | 21.136 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 71648    | 22.697 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 71581    | 22.824 | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 64705    | 23.283 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 4513     | 30.524 | ug/L # | 63       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 50396    | 21.360 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 42380    | 22.332 | ug/L   | 92       |
| 71) Naphthalene               | 15.359 | 128  | 79450    | 25.770 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 37692    | 24.033 | ug/L   | 96       |

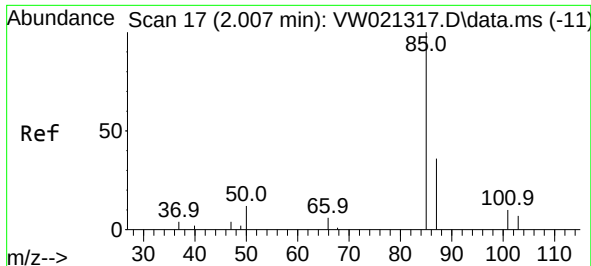
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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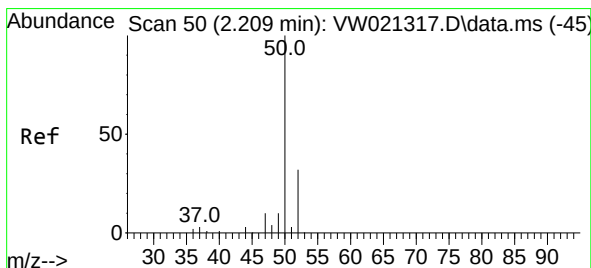
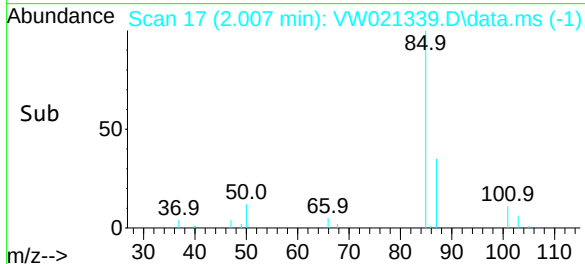
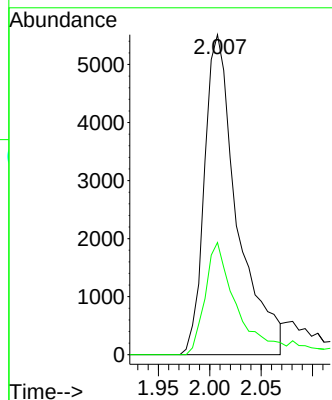
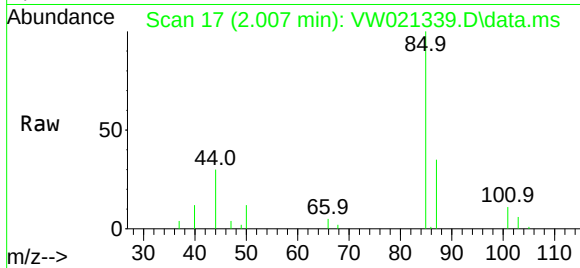




#2  
 Dichlorodifluoromethane  
 Concen: 37.567 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW021339.D  
 Acq: 11 Dec 2021 20:32

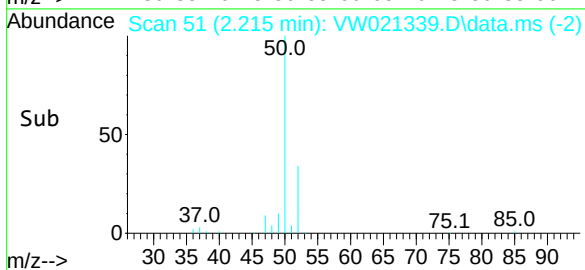
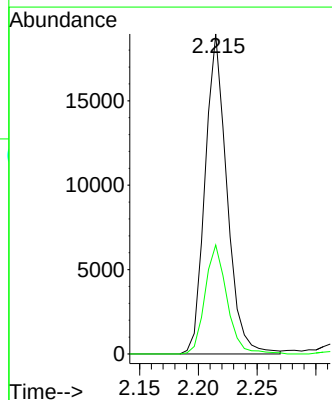
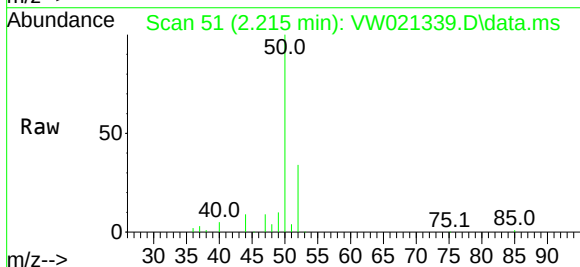
Instrument :  
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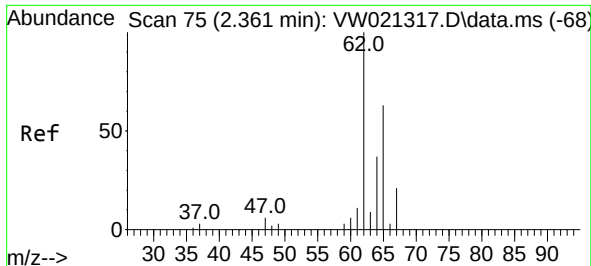
Tgt Ion: 85 Resp: 12245  
 Ion Ratio Lower Upper  
 85 100  
 87 33.6 25.8 38.6



#3  
 Chloromethane  
 Concen: 22.710 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VW021339.D  
 Acq: 11 Dec 2021 20:32

Tgt Ion: 50 Resp: 24507  
 Ion Ratio Lower Upper  
 50 100  
 52 34.1 23.4 43.6

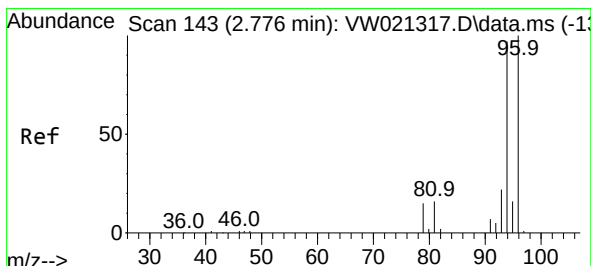
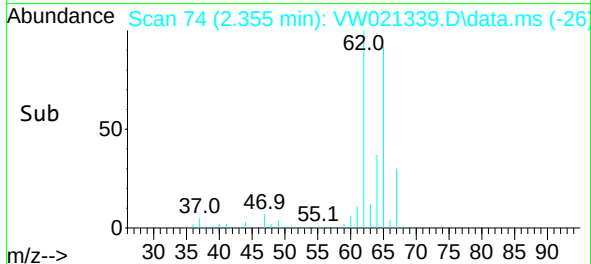
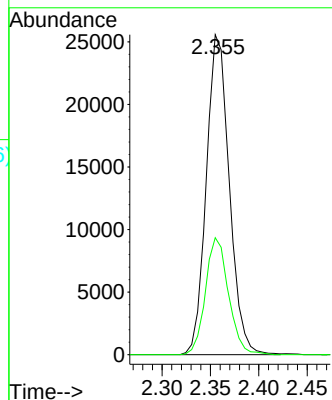
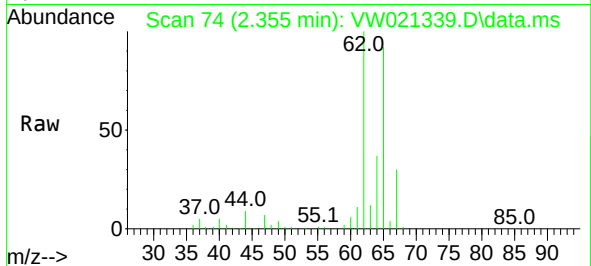




#5  
 Vinyl chloride  
 Concen: 25.000 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW021339.D  
 Acq: 11 Dec 2021 20:32

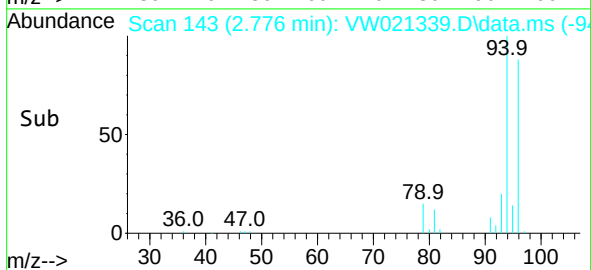
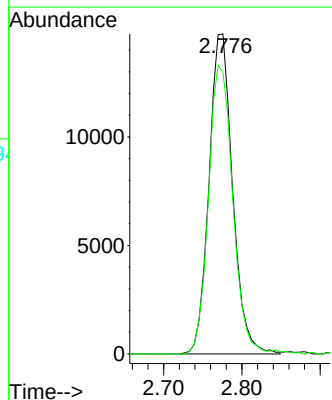
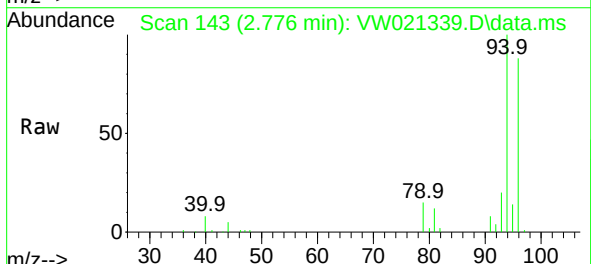
Instrument :  
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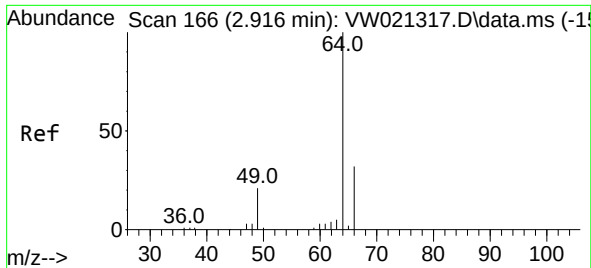
Tgt Ion: 62 Resp: 42351  
 Ion Ratio Lower Upper  
 62 100  
 64 36.6 24.4 45.2



#6  
 Bromomethane  
 Concen: 28.085 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. -0.000 min  
 Lab File: VW021339.D  
 Acq: 11 Dec 2021 20:32

Tgt Ion: 94 Resp: 30860  
 Ion Ratio Lower Upper  
 94 100  
 96 88.1 64.8 120.4

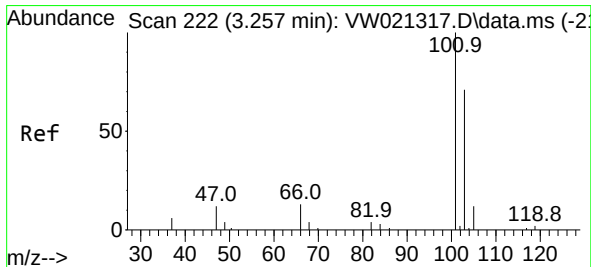
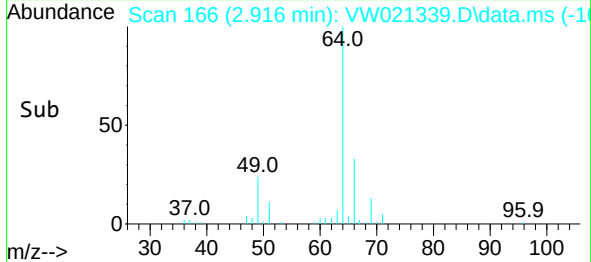
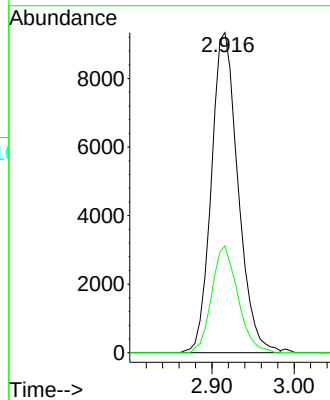
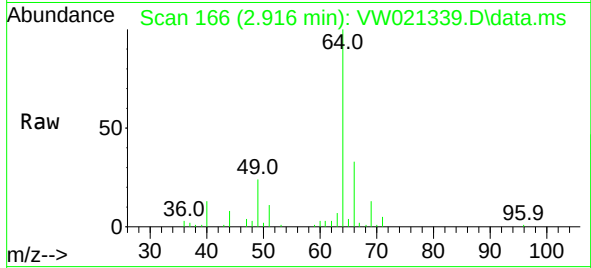




#8  
Chloroethane  
Concen: 27.058 ug/L  
RT: 2.916 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

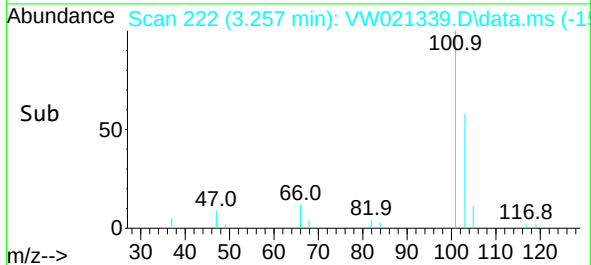
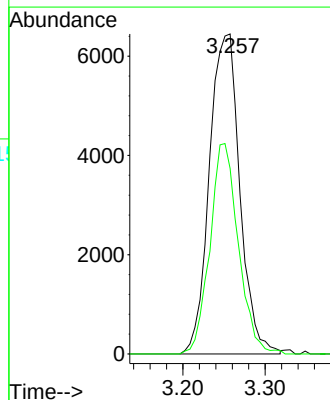
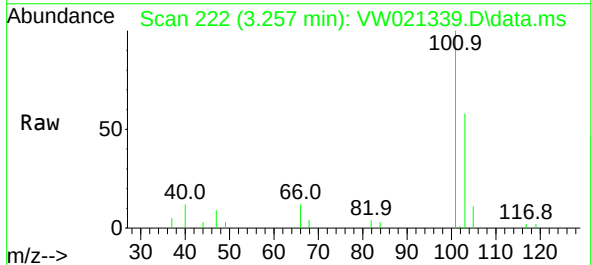
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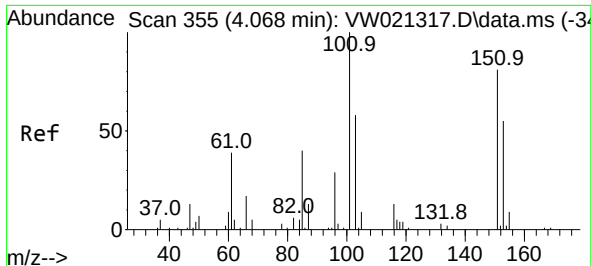
Tgt Ion: 64 Resp: 21117  
Ion Ratio Lower Upper  
64 100  
66 33.4 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 18.570 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. 0.006 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion:101 Resp: 16599  
Ion Ratio Lower Upper  
101 100  
103 61.2 51.4 77.2

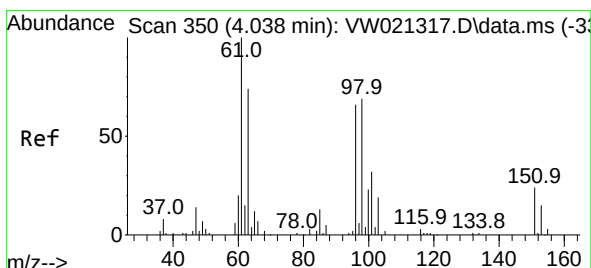
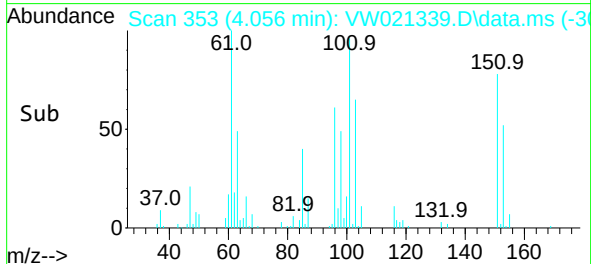
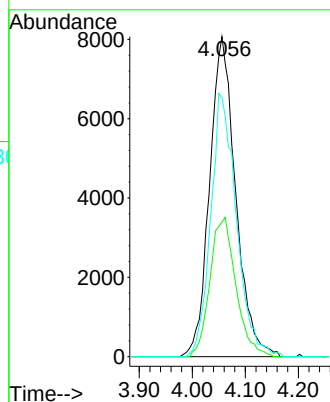
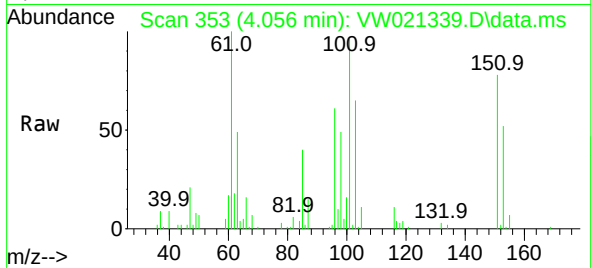




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.637 ug/L  
 RT: 4.056 min Scan# 31  
 Delta R.T. -0.012 min  
 Lab File: VW021339.D  
 Acq: 11 Dec 2021 20:32

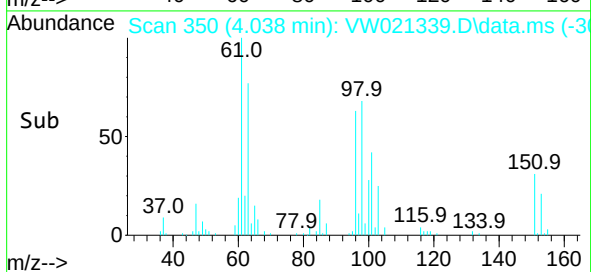
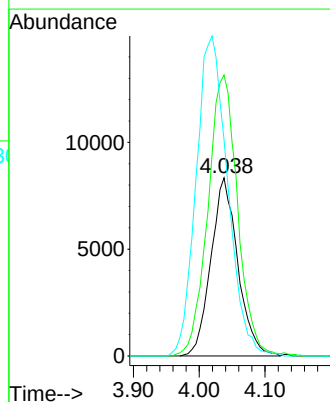
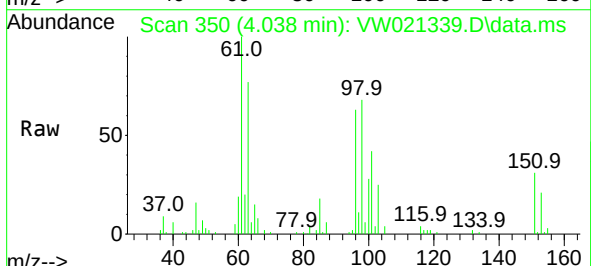
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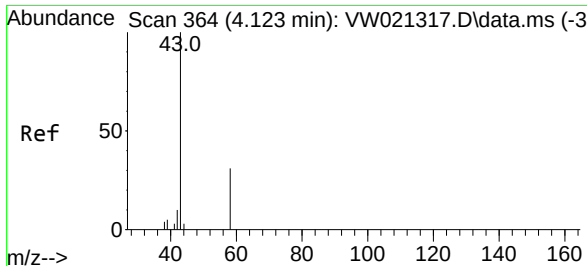
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 Ion Ratio Lower Upper  
 101 100  
 85 43.3 36.6 54.8  
 151 79.5 57.4 86.0



#12  
 1,1-Dichloroethene  
 Concen: 22.698 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. -0.006 min  
 Lab File: VW021339.D  
 Acq: 11 Dec 2021 20:32

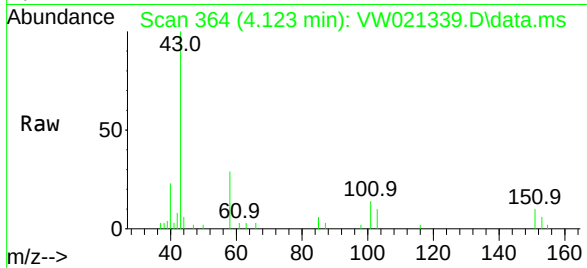
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 63 121.4 82.6 153.4



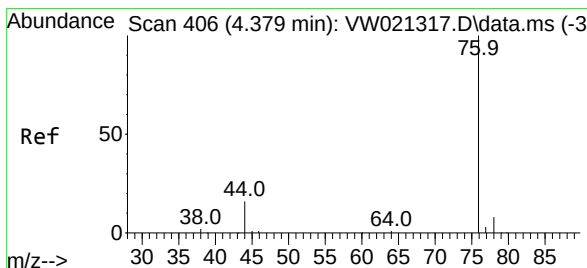
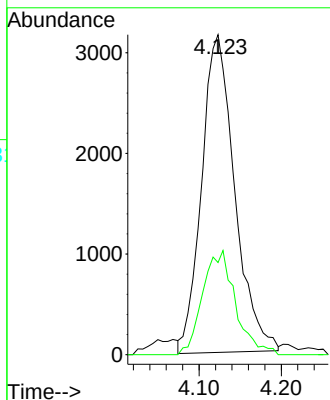
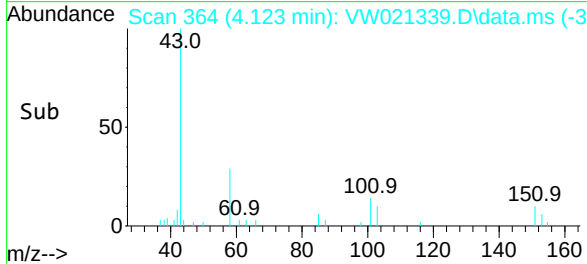


#13  
Acetone  
Concen: 45.454 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Instrument :  
MSVOA\_W  
ClientSampleId :

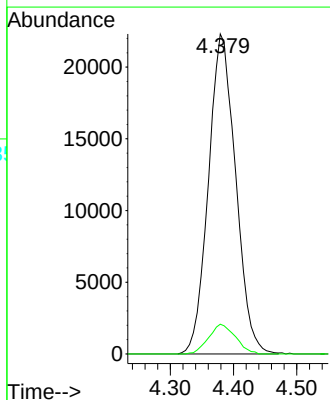
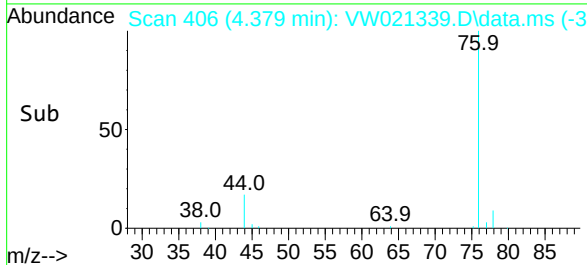
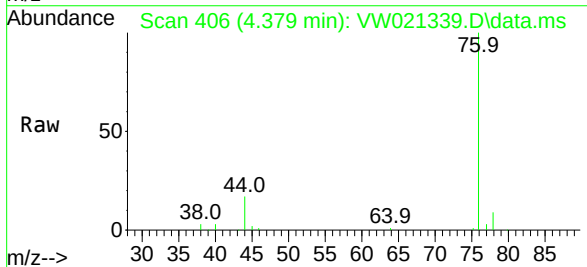


Tgt Ion: 43 Resp: 8825  
Ion Ratio Lower Upper  
43 100  
58 32.5 0.0 52.8

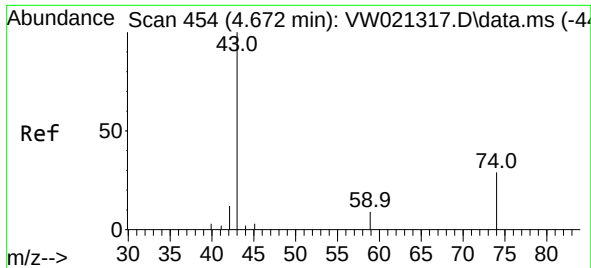


#14  
Carbon disulfide  
Concen: 24.706 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion: 76 Resp: 66716  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.1 10.7



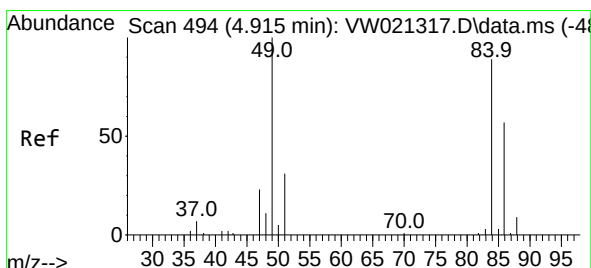
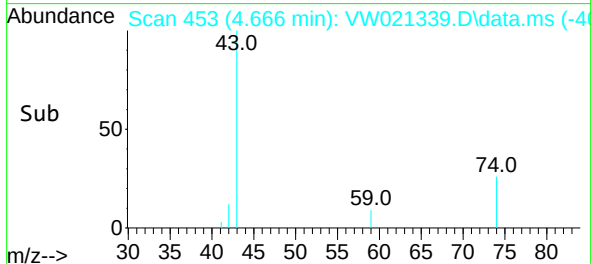
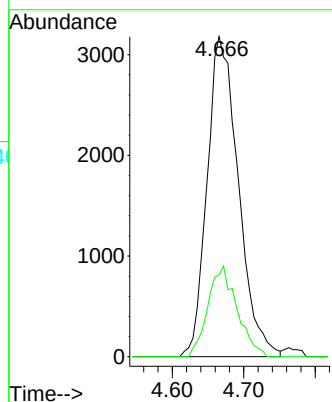
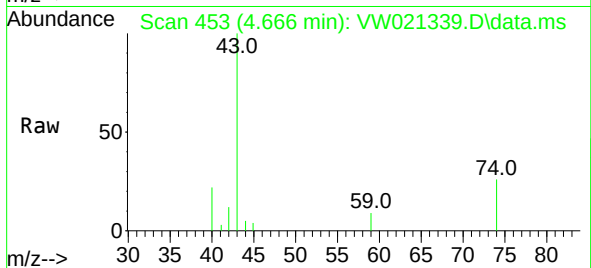




#15  
Methyl Acetate  
Concen: 28.812 ug/L  
RT: 4.666 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

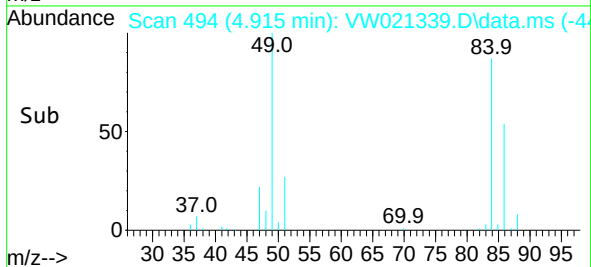
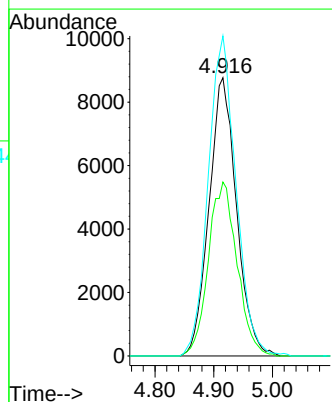
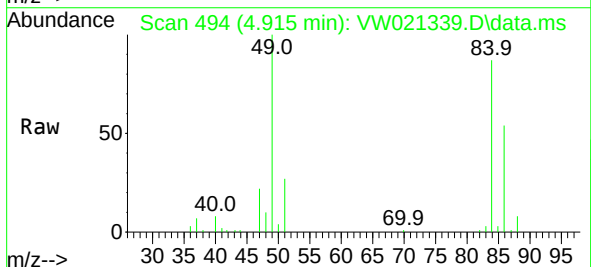
Instrument :  
MSVOA\_W  
ClientSampleId :

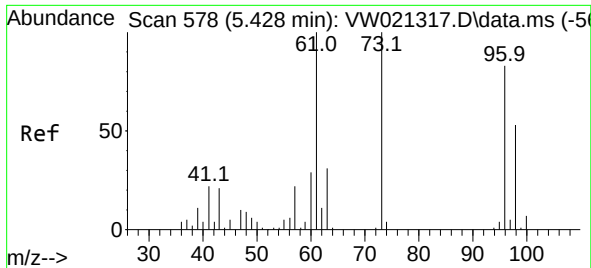
Tgt Ion: 43 Resp: 9652  
Ion Ratio Lower Upper  
43 100  
74 26.3 16.4 24.6#



#16  
Methylene chloride  
Concen: 20.475 ug/L  
RT: 4.915 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

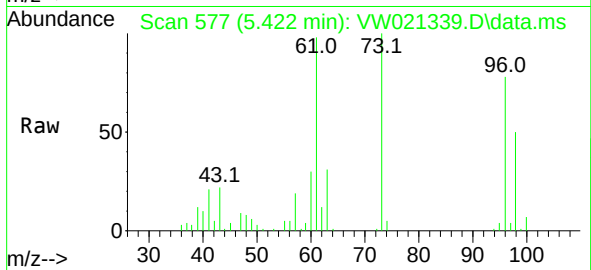
Tgt Ion: 84 Resp: 28540  
Ion Ratio Lower Upper  
84 100  
86 62.5 45.5 84.5  
49 115.0 100.5 186.7





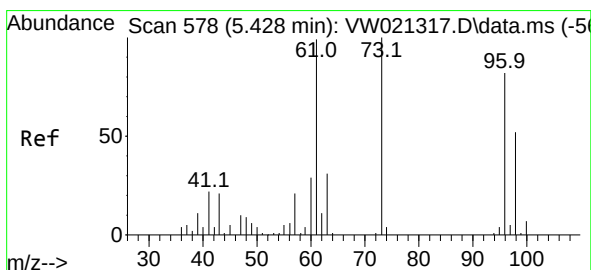
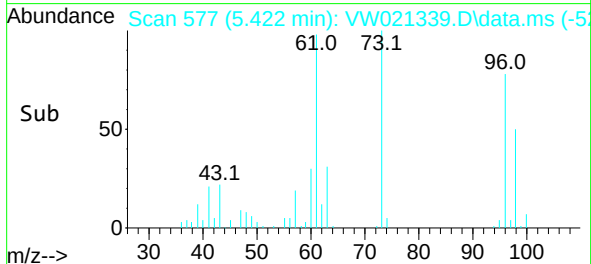
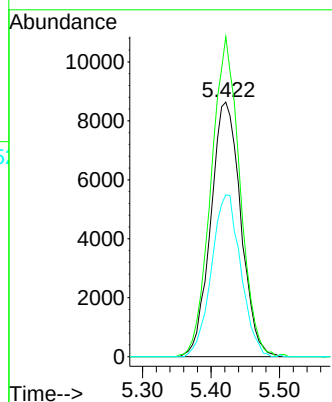
#17  
trans-1,2-Dichloroethene  
Concen: 23.200 ug/L  
RT: 5.422 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 96 Resp: 26267

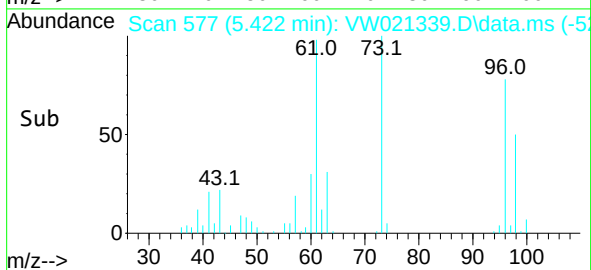
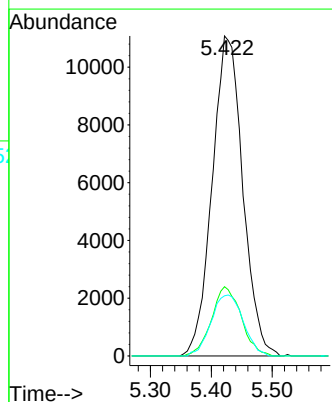
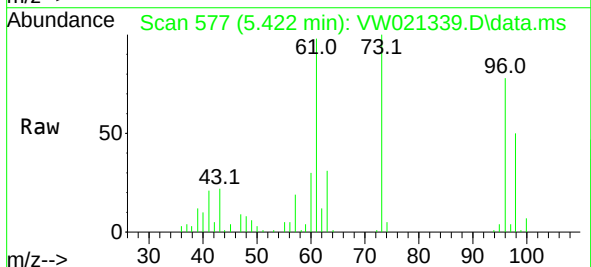
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 125.7 | 107.4 | 199.4 |
| 98  | 63.6  | 41.2  | 76.6  |

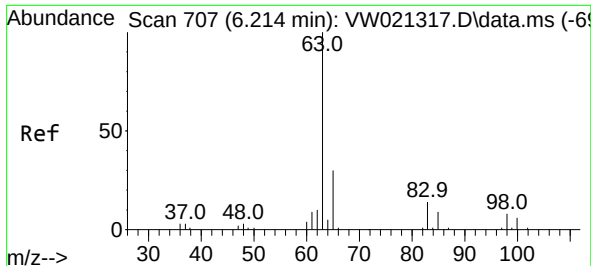


#18  
Methyl tert-butyl Ether  
Concen: 24.710 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion: 73 Resp: 38639

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 21.0  | 19.5  | 29.3  |
| 57  | 20.1  | 19.3  | 28.9  |





#19

1,1-Dichloroethane

Concen: 23.493 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

ClientSampleId :

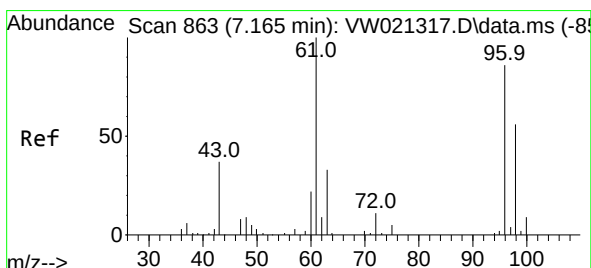
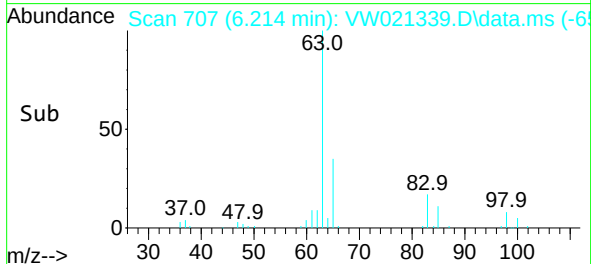
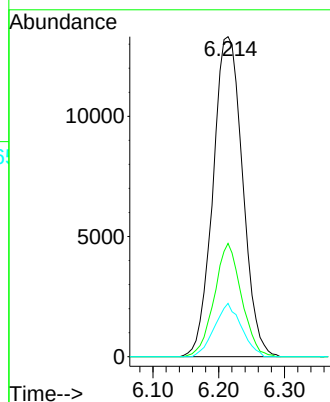
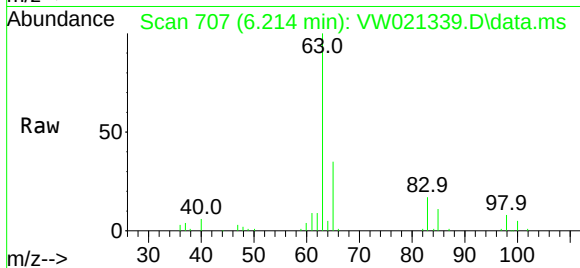
Tgt Ion: 63 Resp: 41739

Ion Ratio Lower Upper

63 100

65 35.4 22.1 41.1

83 16.7 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 23.585 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

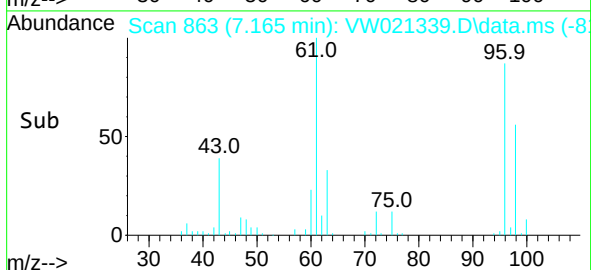
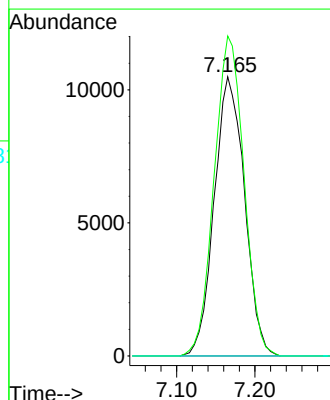
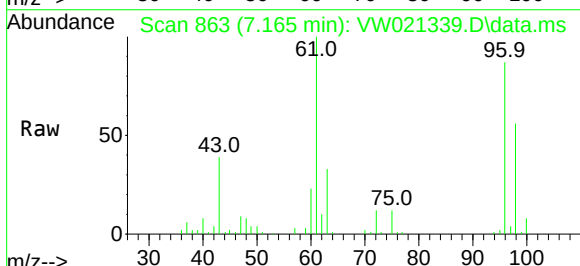
Tgt Ion: 96 Resp: 28166

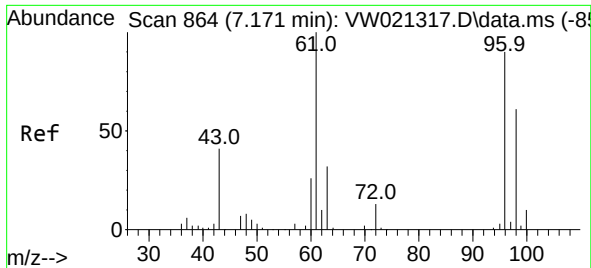
Ion Ratio Lower Upper

96 100

61 114.6 103.7 192.7

68 0.0 0.0 0.0

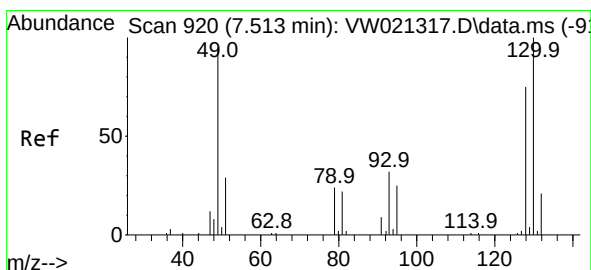
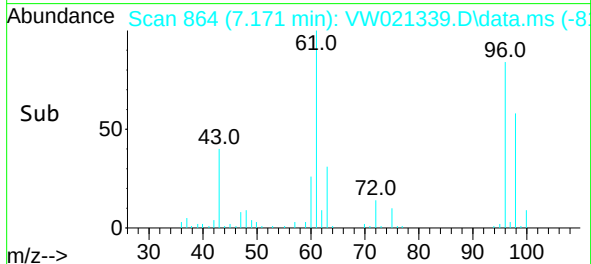
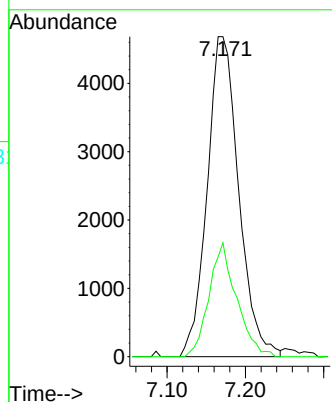
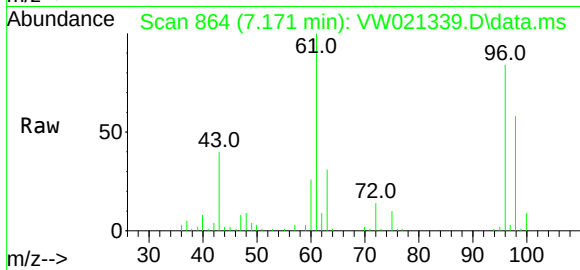




#22  
2-Butanone  
Concen: 51.729 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

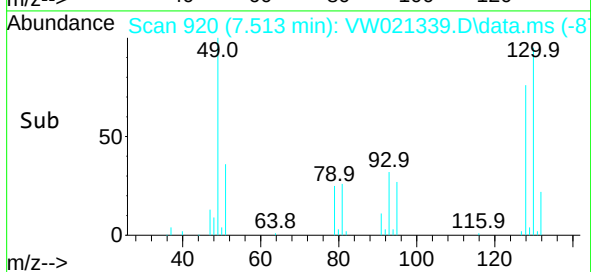
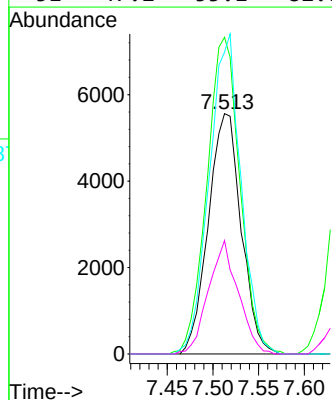
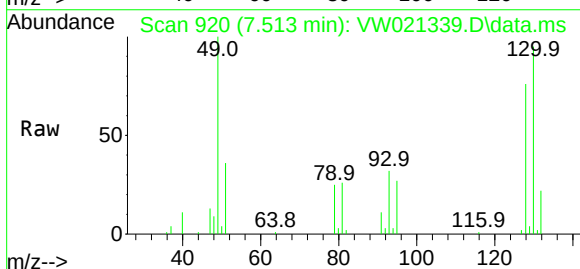
Instrument :  
MSVOA\_W  
ClientSampleId :

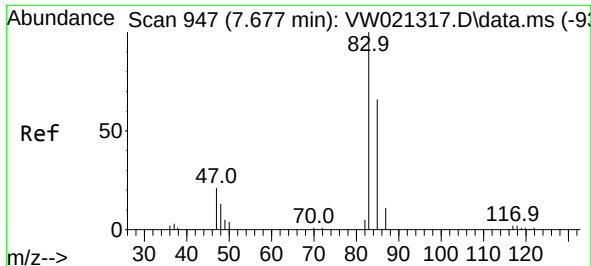
Tgt Ion: 43 Resp: 13116  
Ion Ratio Lower Upper  
43 100  
72 30.6 11.8 35.4



#23  
Bromochloromethane  
Concen: 24.904 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion: 128 Resp: 13906  
Ion Ratio Lower Upper  
128 100  
49 131.7 150.3 279.1#  
130 125.5 88.3 163.9  
51 47.2 55.1 82.7#

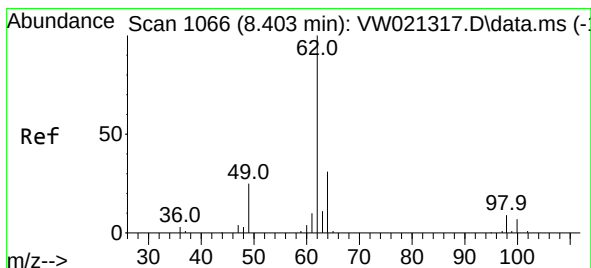
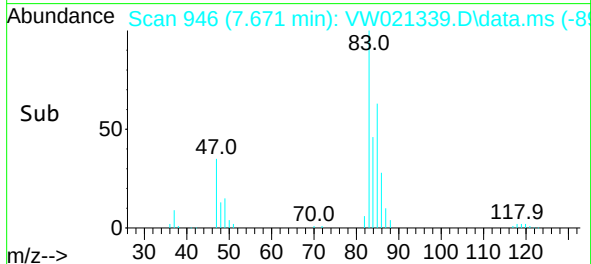
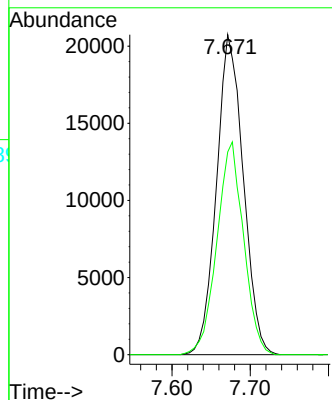
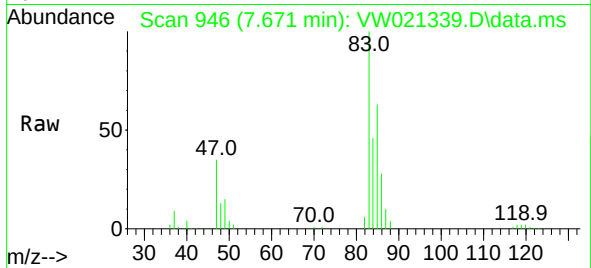




#25  
Chloroform  
Concen: 23.915 ug/L  
RT: 7.671 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

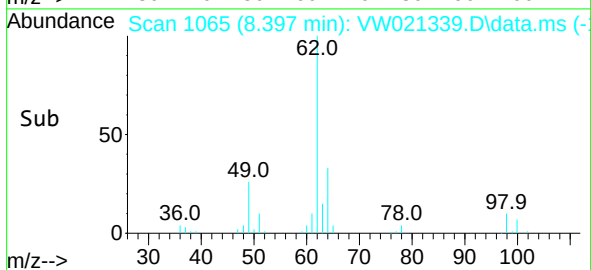
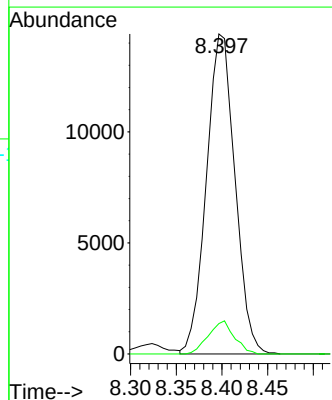
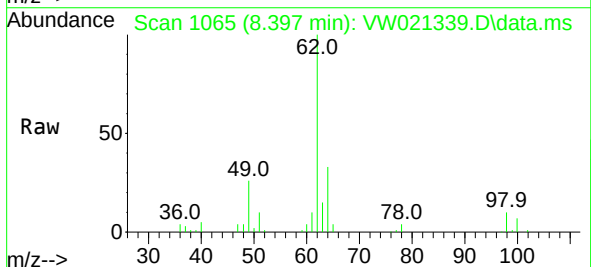
Instrument :  
MSVOA\_W  
ClientSampleId :

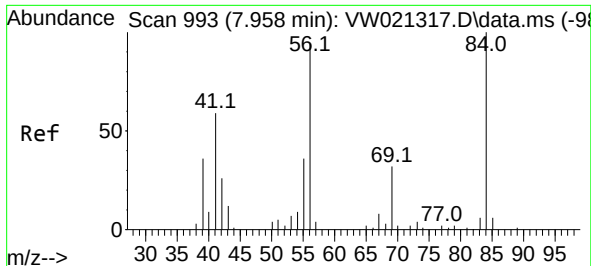
Tgt Ion: 83 Resp: 49324  
Ion Ratio Lower Upper  
83 100  
85 63.3 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 23.965 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion: 62 Resp: 31300  
Ion Ratio Lower Upper  
62 100  
98 9.5 6.5 9.7





#29

Cyclohexane

Concen: 20.701 ug/L

RT: 7.952 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW021339.D

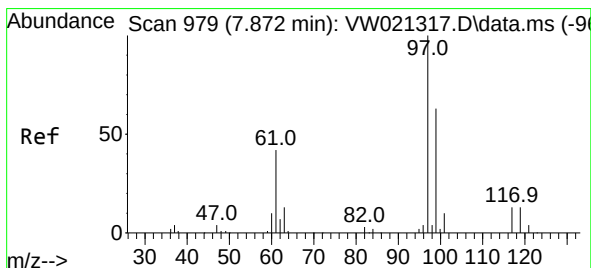
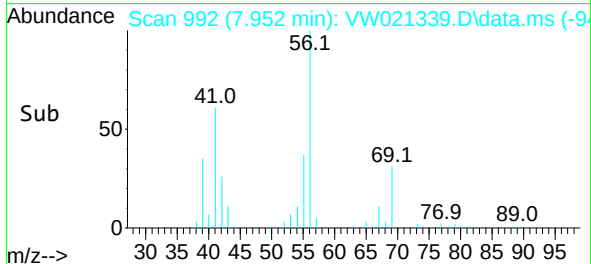
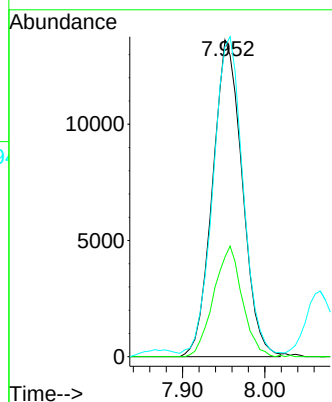
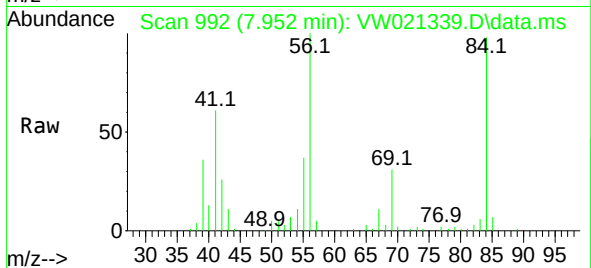
Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 34212 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 33.4  | 23.5  | 35.3  |
| 84        | 102.5 | 63.4  | 95.2# |



#30

1,1,1-Trichloroethane

Concen: 22.646 ug/L

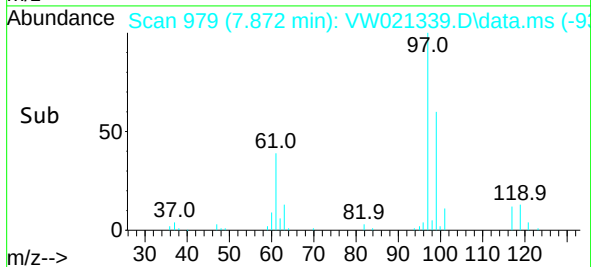
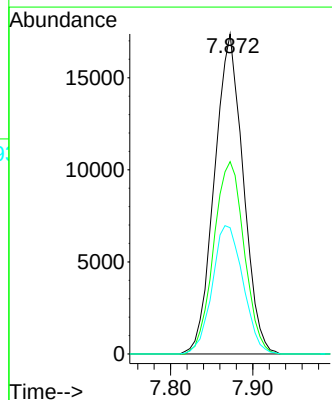
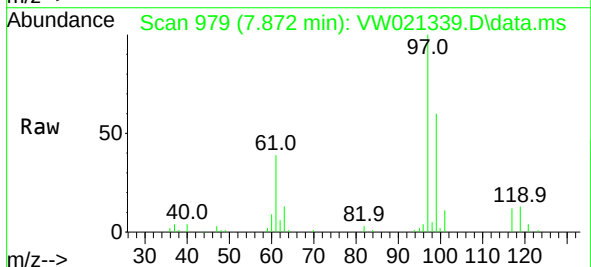
RT: 7.872 min Scan# 979

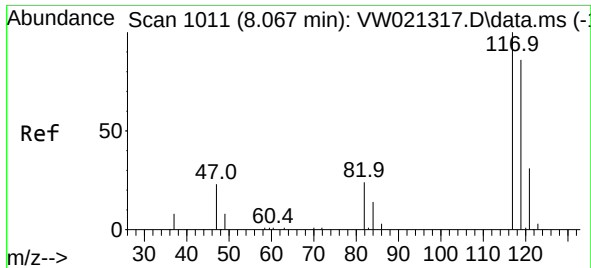
Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 42188 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 63.6  | 51.6  | 77.4  |
| 61        | 43.0  | 40.9  | 61.3  |

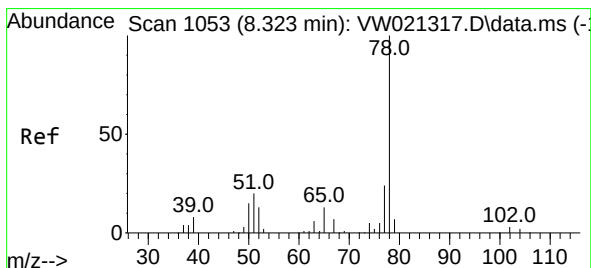
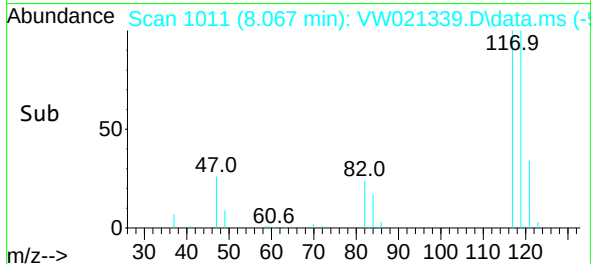
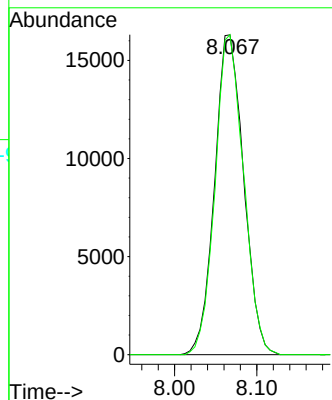
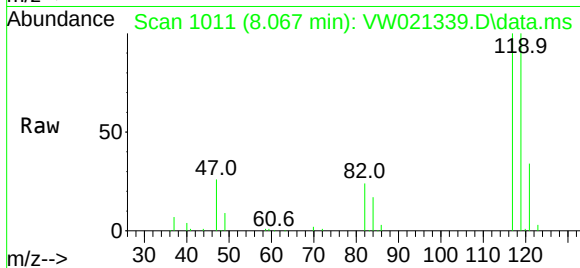




#31  
Carbon tetrachloride  
Concen: 23.296 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

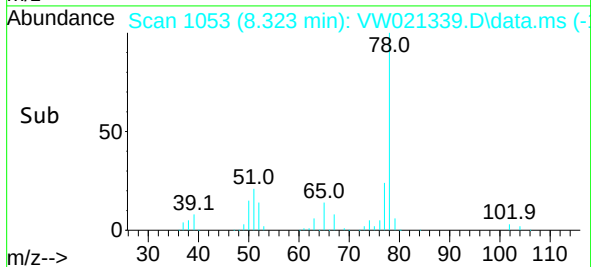
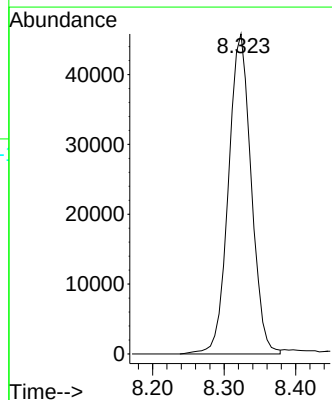
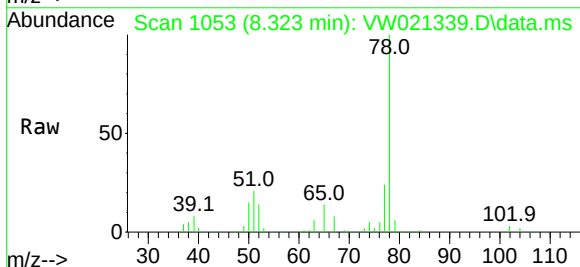
Instrument :  
MSVOA\_W  
ClientSampleId :

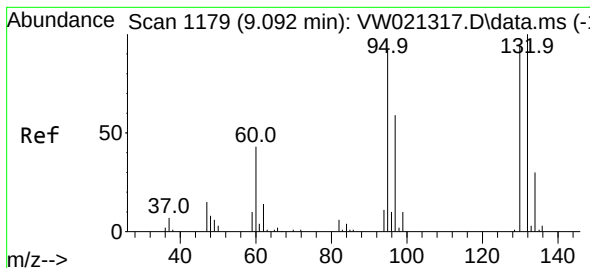
Tgt Ion:117 Resp: 40035  
Ion Ratio Lower Upper  
117 100  
119 97.9 75.7 113.5



#33  
Benzene  
Concen: 22.380 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion: 78 Resp: 101227





#34

Trichloroethene

Concen: 21.910 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

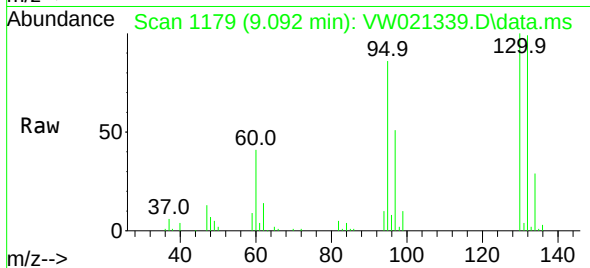
Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 27819

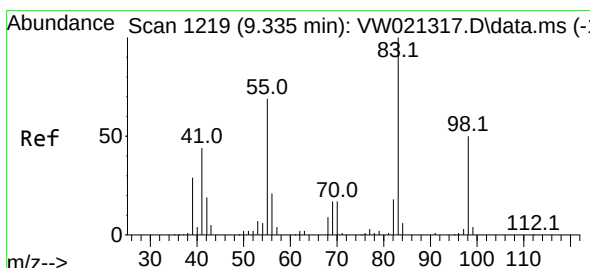
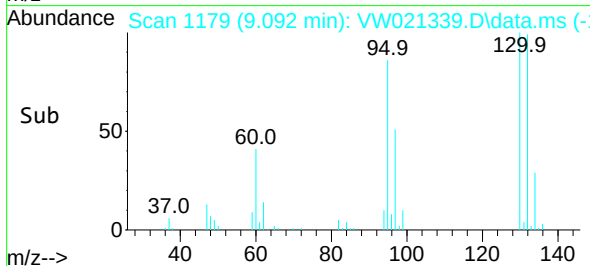
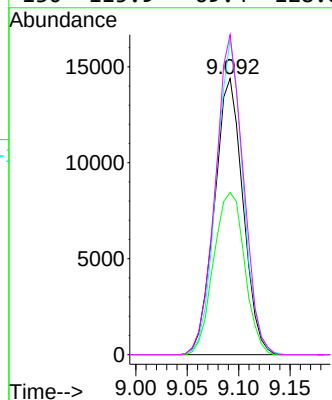
Ion Ratio Lower Upper

95 100

97 58.7 47.0 87.2

132 114.2 65.5 121.6

130 115.9 69.4 128.8



#35

Methylcyclohexane

Concen: 21.047 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

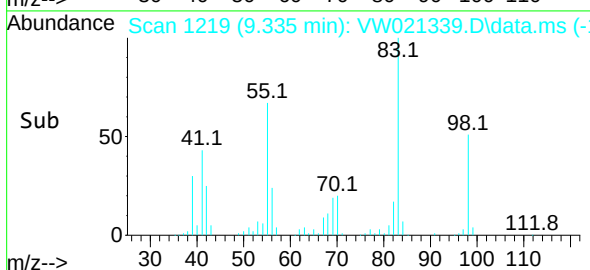
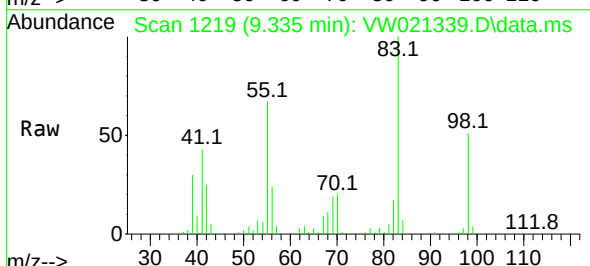
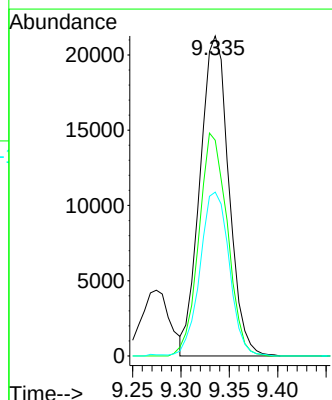
Tgt Ion: 83 Resp: 44081

Ion Ratio Lower Upper

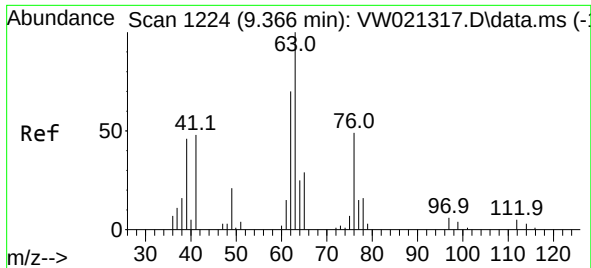
83 100

55 68.7 70.8 106.2#

98 52.1 37.7 56.5







#37

1,2-Dichloropropane

Concen: 23.155 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

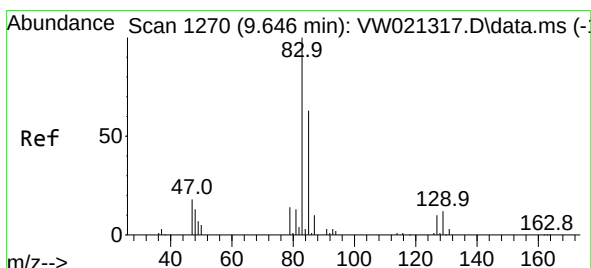
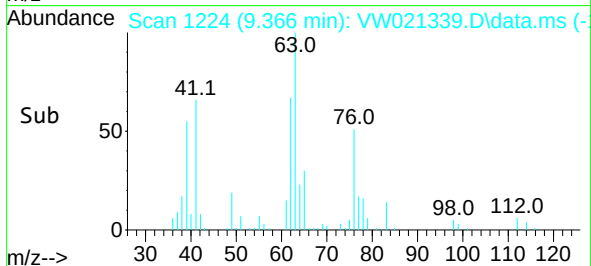
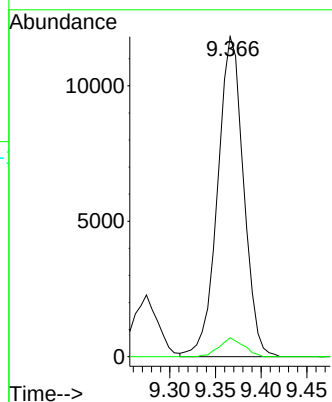
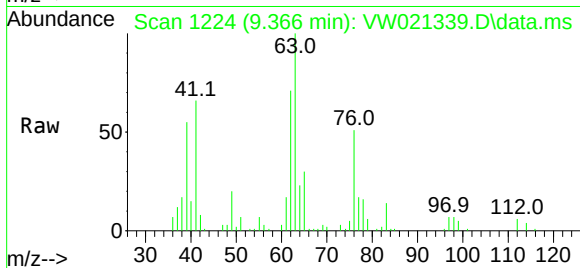
ClientSampleId :

Tgt Ion: 63 Resp: 23361

Ion Ratio Lower Upper

63 100

112 5.6 3.2 4.8#



#38

Bromodichloromethane

Concen: 26.271 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.006 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

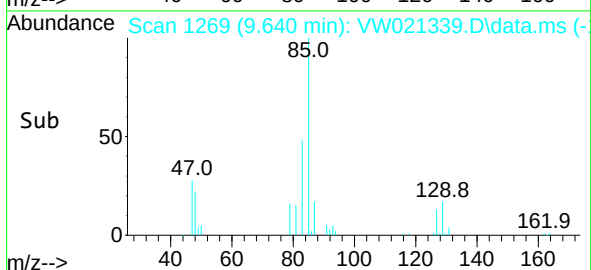
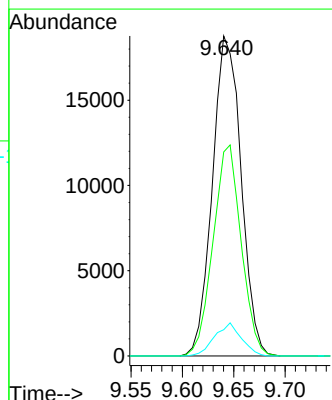
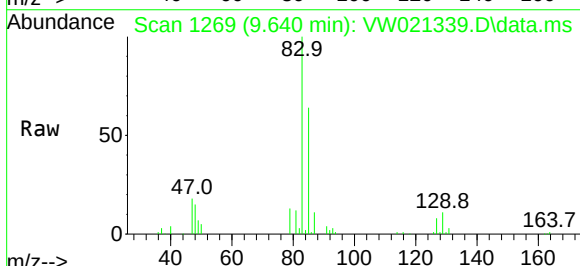
Tgt Ion: 83 Resp: 36443

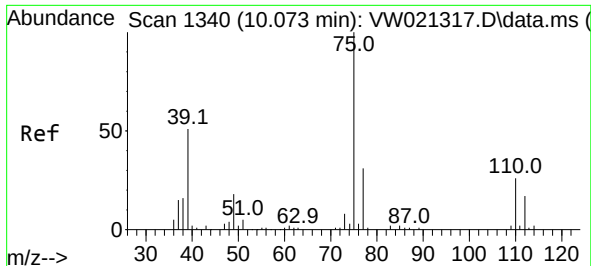
Ion Ratio Lower Upper

83 100

85 63.8 44.1 81.9

127 8.2 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 24.696 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

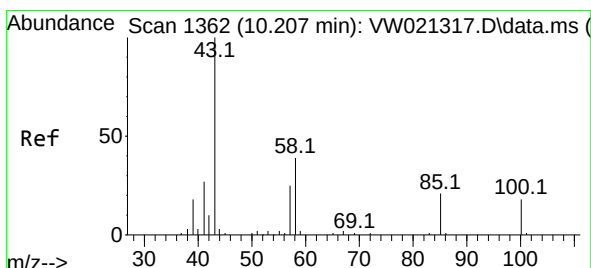
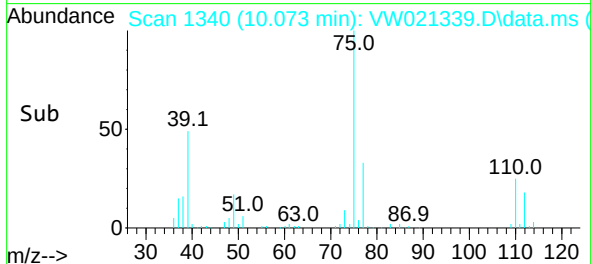
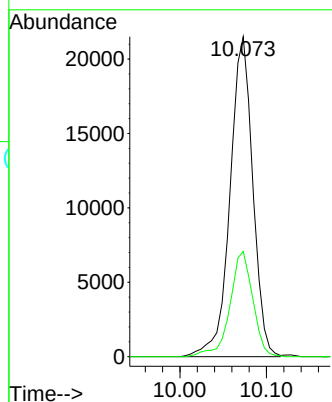
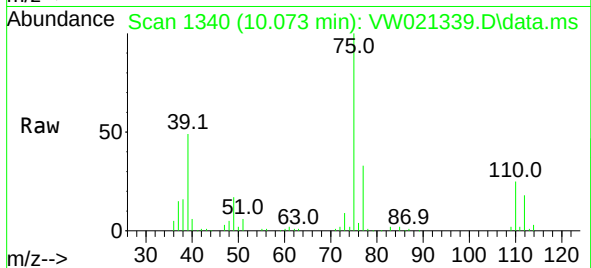
ClientSampleId :

Tgt Ion: 75 Resp: 39276

Ion Ratio Lower Upper

75 100

77 32.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 55.797 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

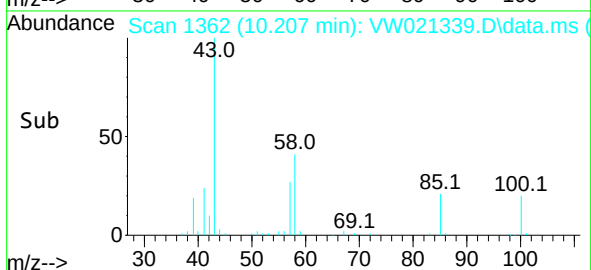
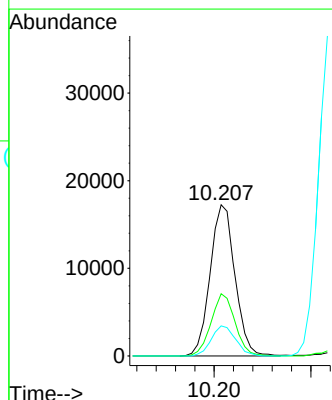
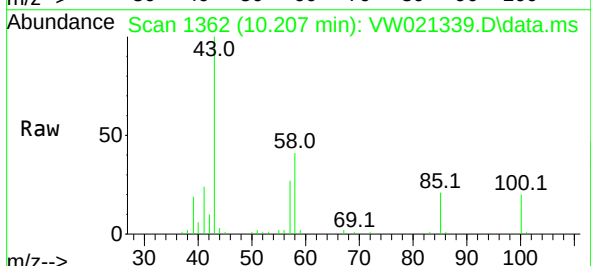
Tgt Ion: 43 Resp: 30673

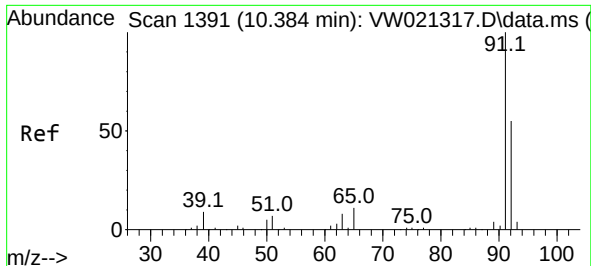
Ion Ratio Lower Upper

43 100

58 39.7 28.8 43.2

100 19.5 10.0 15.0

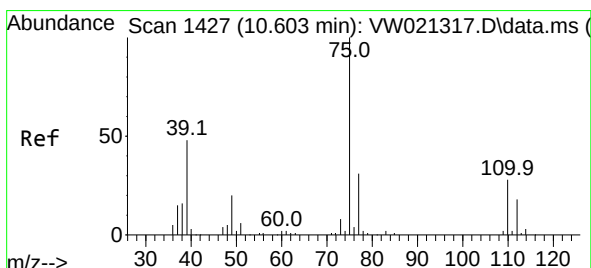
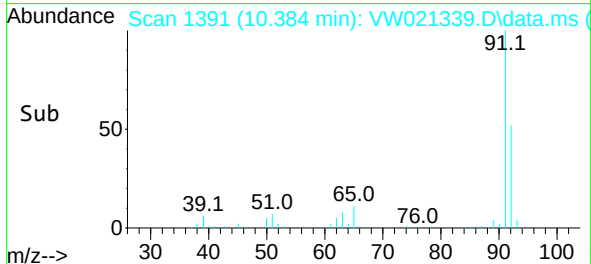
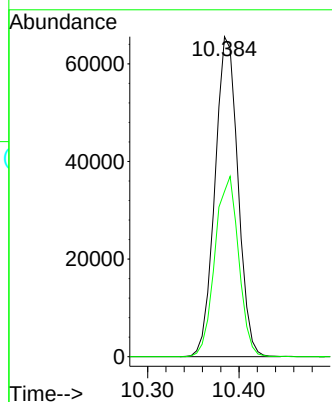
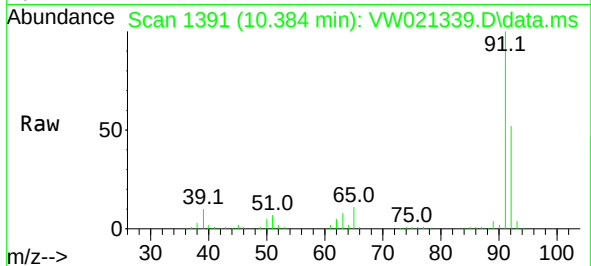




#42  
Toluene  
Concen: 21.669 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

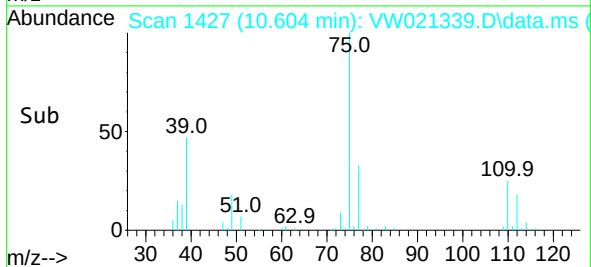
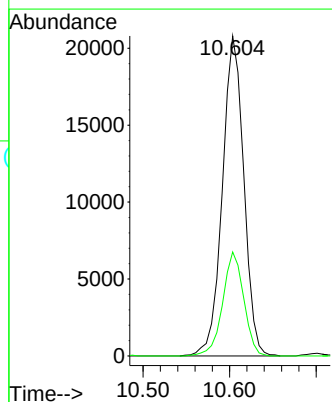
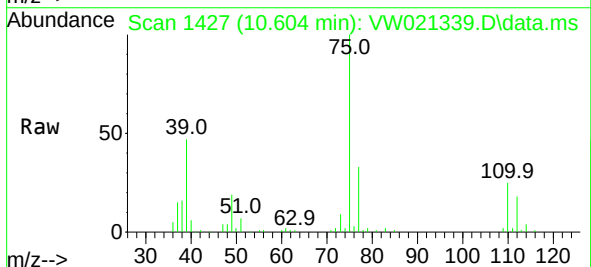
Instrument :  
MSVOA\_W  
ClientSampleId :

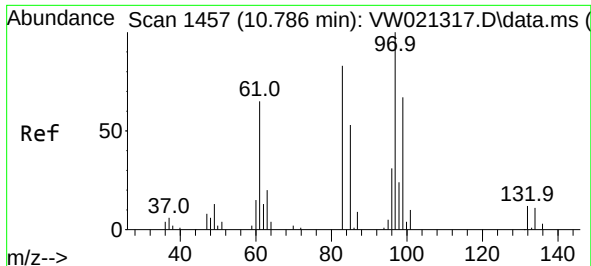
Tgt Ion: 91 Resp: 114626  
Ion Ratio Lower Upper  
91 100  
92 51.7 41.7 77.5



#44  
trans-1,3-Dichloropropene  
Concen: 25.647 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

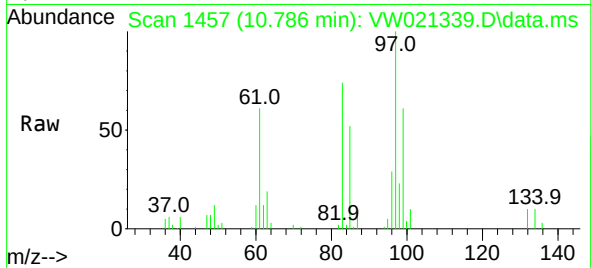
Tgt Ion: 75 Resp: 35726  
Ion Ratio Lower Upper  
75 100  
77 32.5 22.2 41.2



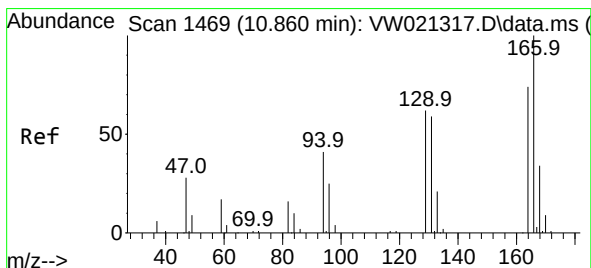
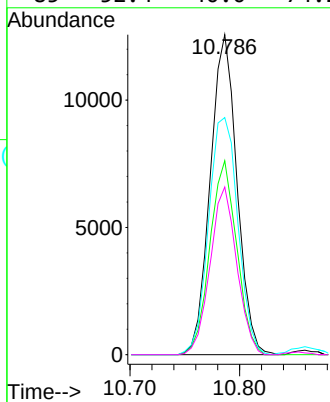
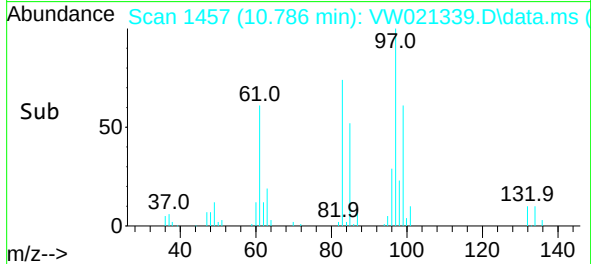


#45  
1,1,2-Trichloroethane  
Concen: 25.810 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

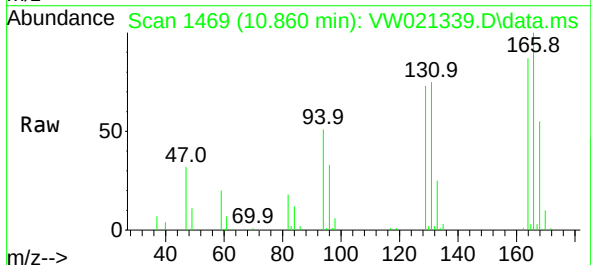
Instrument :  
MSVOA\_W  
ClientSampleId :



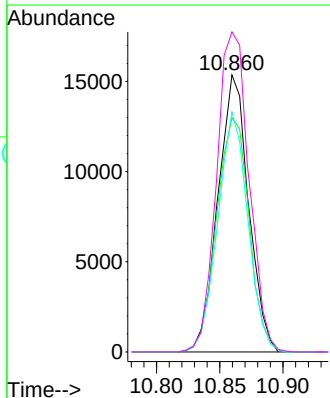
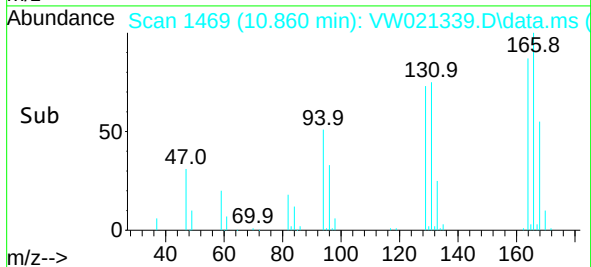
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 21313 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.6  | 43.0  | 79.8  |
| 83       | 74.1  | 62.6  | 116.3 |
| 85       | 52.4  | 40.0  | 74.2  |

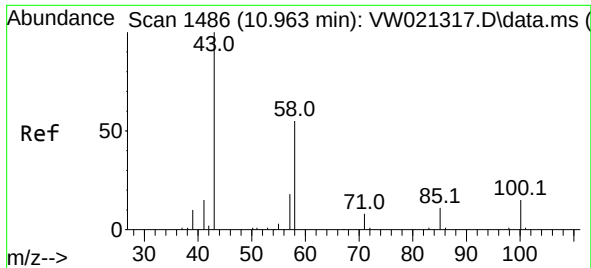


#46  
Tetrachloroethene  
Concen: 21.429 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32



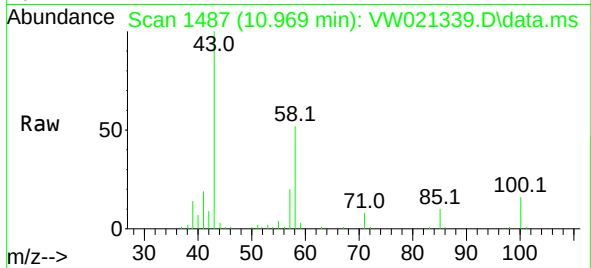
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 25847 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 84.6  | 65.5  | 121.7 |
| 131      | 86.6  | 59.7  | 110.9 |
| 166      | 115.6 | 88.7  | 164.7 |



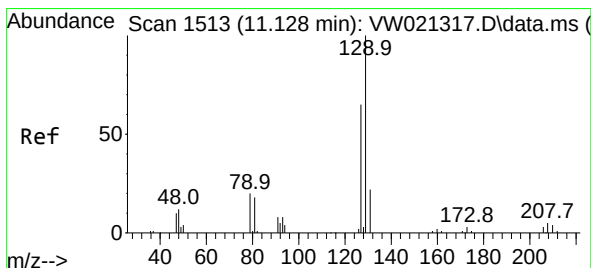
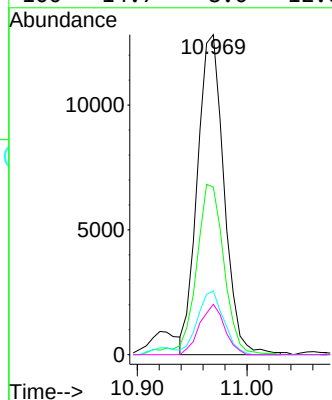
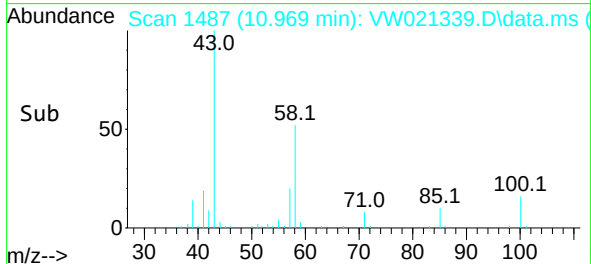


#48  
2-Hexanone  
Concen: 54.300 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Instrument :  
MSVOA\_W  
ClientSampleId :

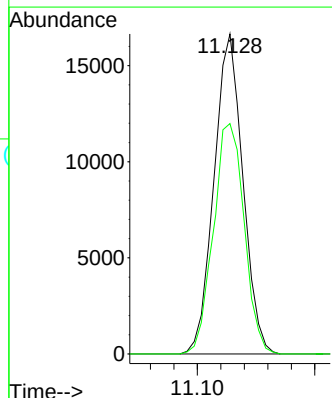
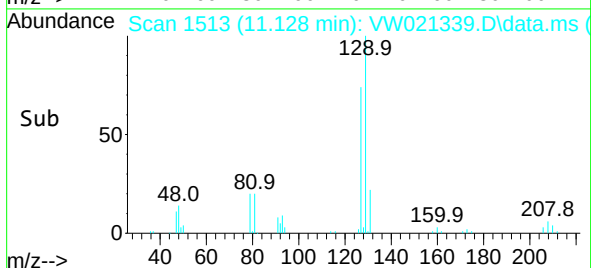
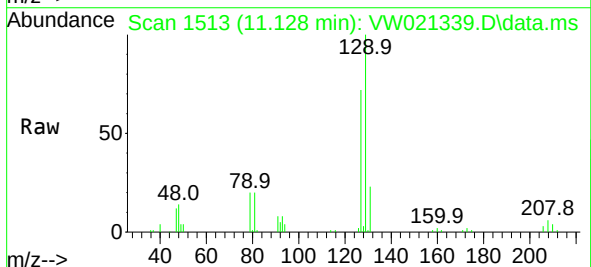


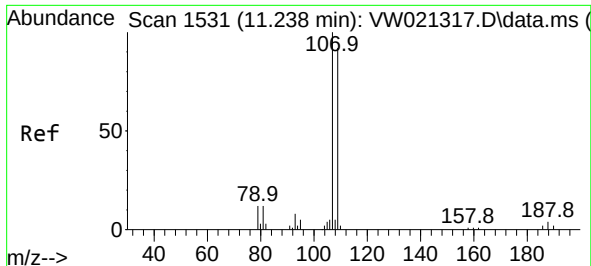
Tgt Ion: 43 Resp: 21647  
Ion Ratio Lower Upper  
43 100  
58 55.7 40.2 60.2  
57 19.5 14.3 21.5  
100 14.7 8.0 12.0#



#49  
Dibromochloromethane  
Concen: 27.885 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion: 129 Resp: 28387  
Ion Ratio Lower Upper  
129 100  
127 72.0 55.7 103.5





#50

1,2-Dibromoethane

Concen: 25.070 ug/L

RT: 11.231 min Scan# 11

Delta R.T. -0.000 min

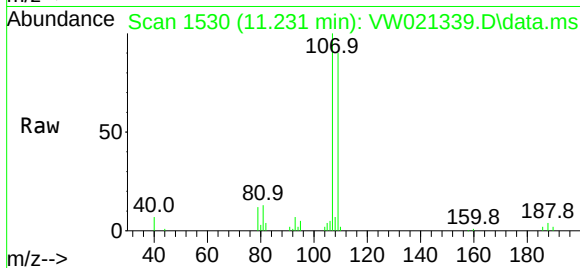
Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

ClientSampleId :



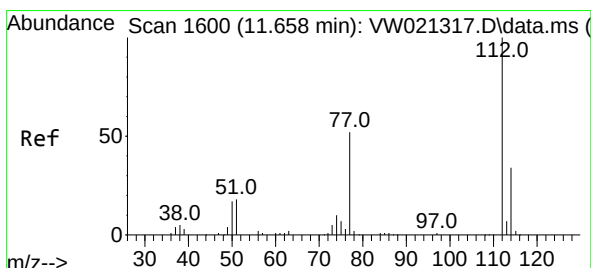
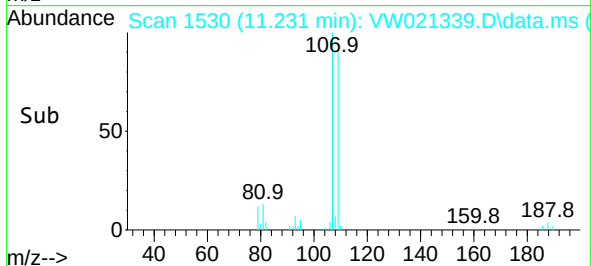
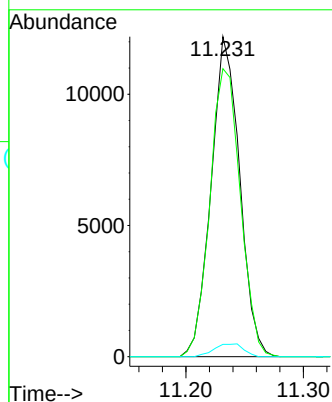
Tgt Ion:107 Resp: 20602

Ion Ratio Lower Upper

107 100

109 90.0 64.1 119.1

188 3.8 2.6 3.8



#51

Chlorobenzene

Concen: 21.999 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

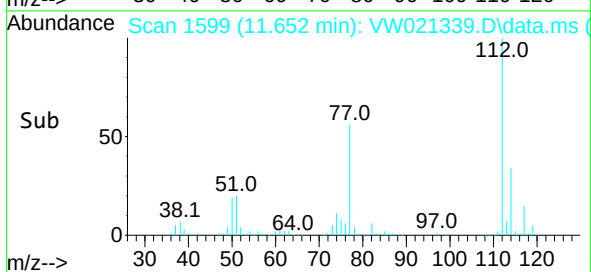
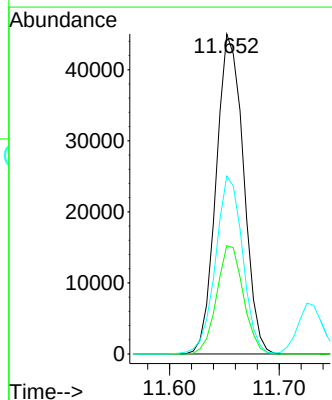
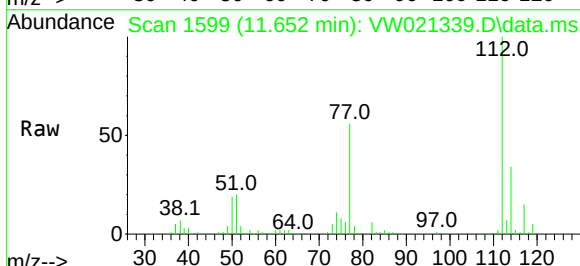
Tgt Ion:112 Resp: 77913

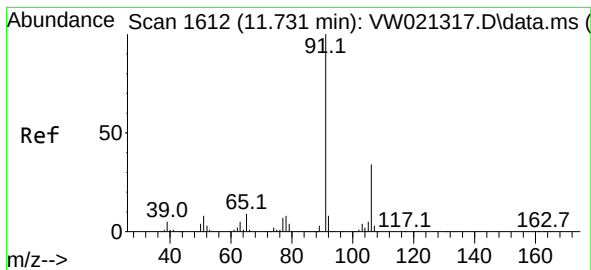
Ion Ratio Lower Upper

112 100

114 33.9 22.4 41.6

77 55.6 50.2 75.4





#52

Ethylbenzene

Concen: 20.930 ug/L

RT: 11.725 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

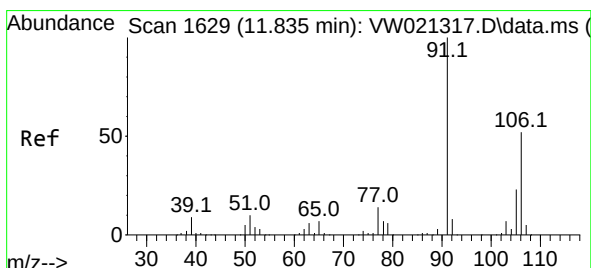
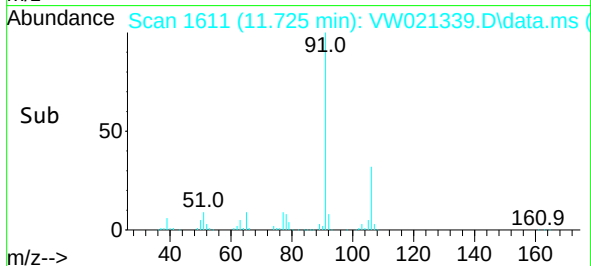
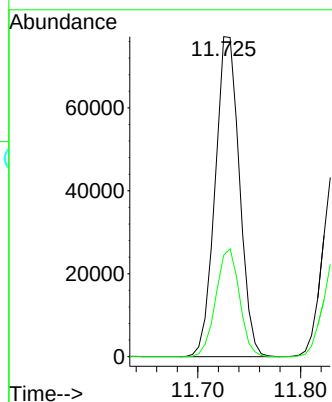
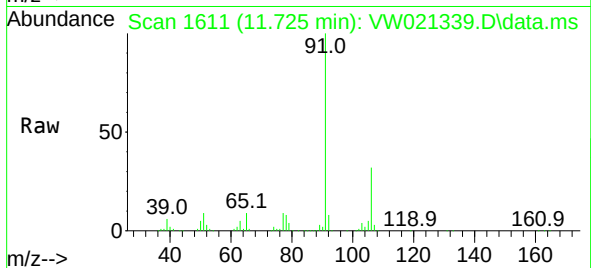
ClientSampleId :

Tgt Ion: 91 Resp: 126521

Ion Ratio Lower Upper

91 100

106 31.8 21.5 39.9



#53

m,p-Xylene

Concen: 21.094 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW021339.D

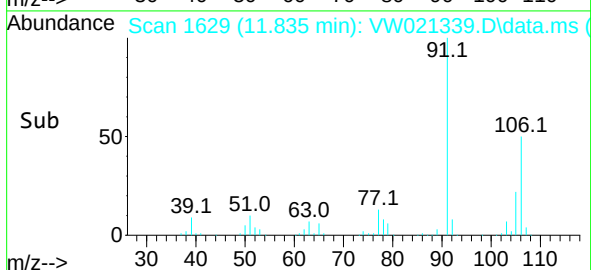
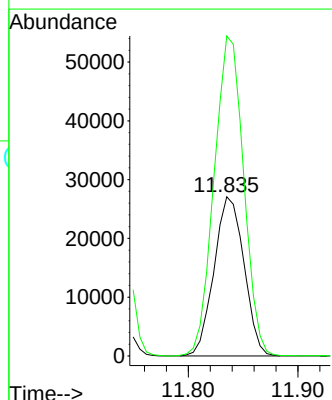
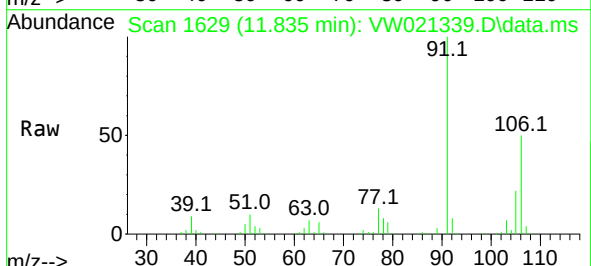
Acq: 11 Dec 2021 20:32

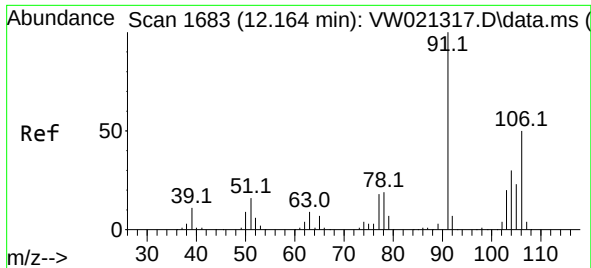
Tgt Ion:106 Resp: 51442

Ion Ratio Lower Upper

106 100

91 200.9 149.9 278.3

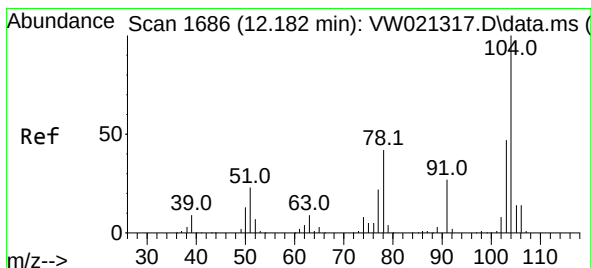
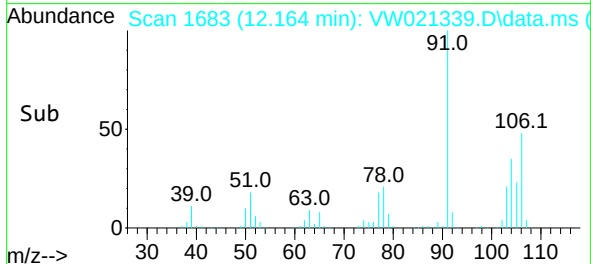
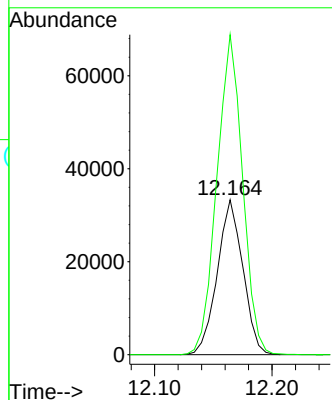
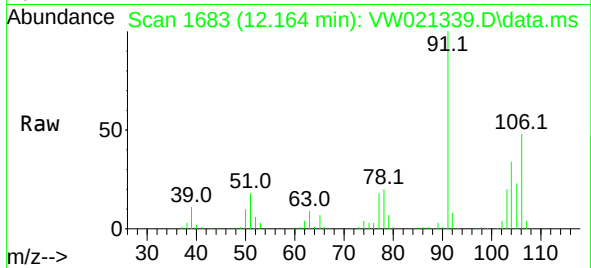




#54  
o-Xylene  
Concen: 21.841 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

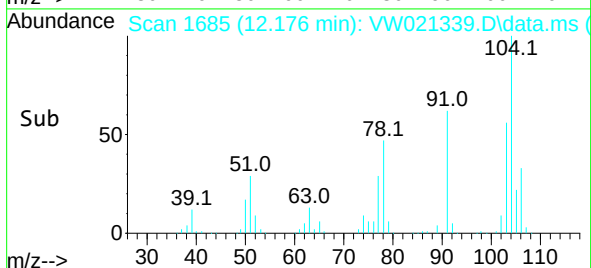
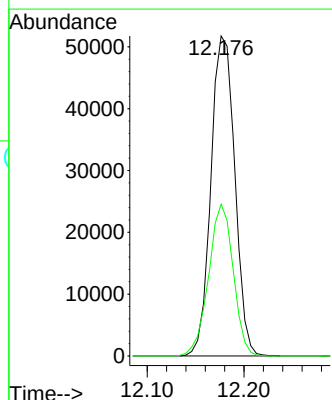
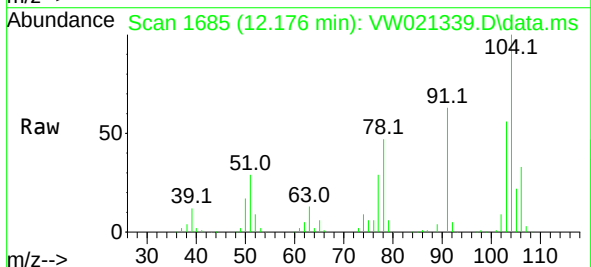
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 50549  
Ion Ratio Lower Upper  
106 100  
91 206.6 153.6 285.3

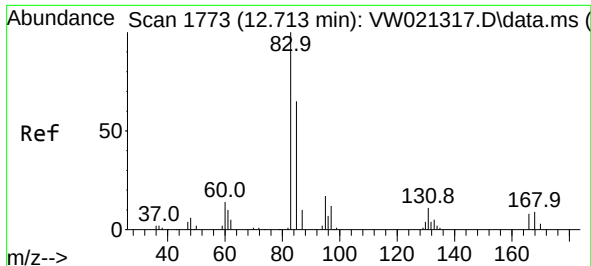


#55  
Styrene  
Concen: 22.540 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion:104 Resp: 88782  
Ion Ratio Lower Upper  
104 100  
78 47.4 34.4 64.0







#57

1,1,2-Tetrachloroethane

Concen: 26.806 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021339.D

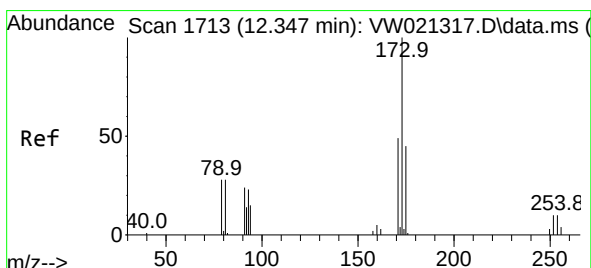
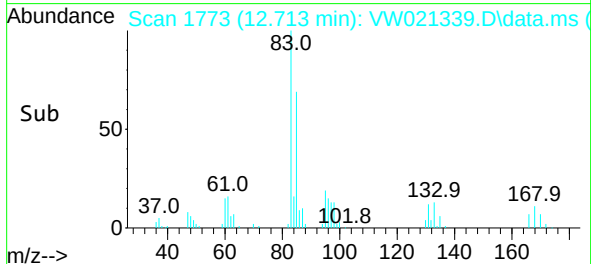
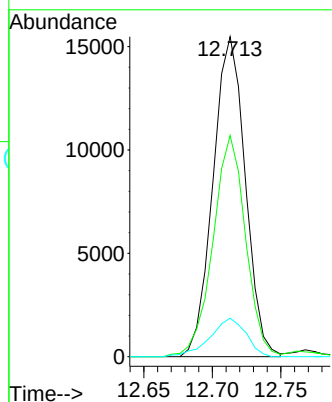
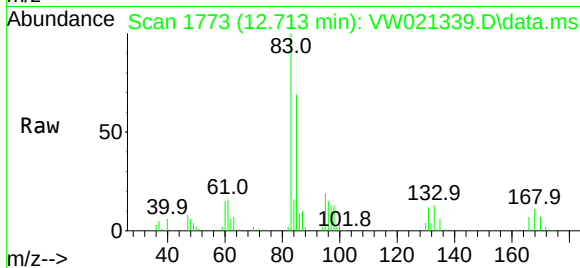
Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 25375 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 69.1  | 44.0  | 81.6  |
| 131       | 12.0  | 6.9   | 10.3# |



#59

Bromoform

Concen: 29.625 ug/L

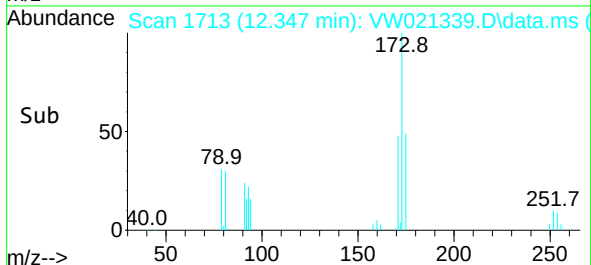
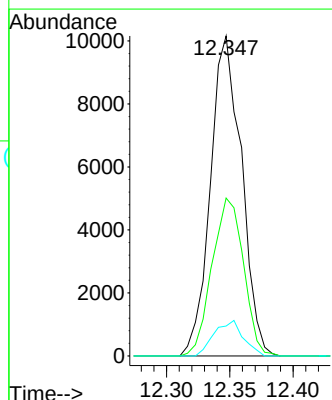
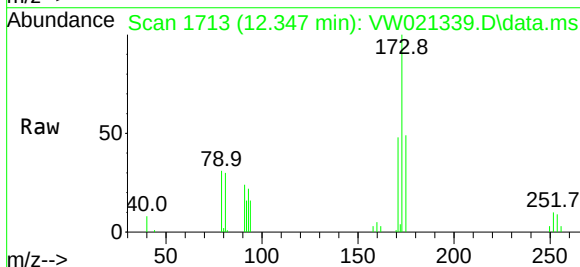
RT: 12.347 min Scan# 1713

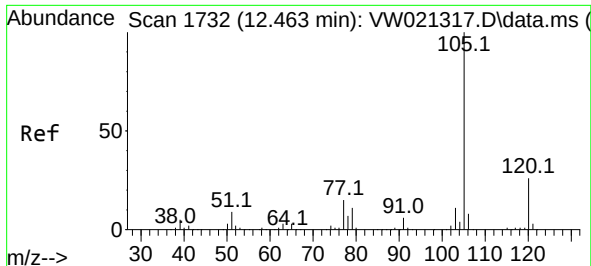
Delta R.T. -0.006 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

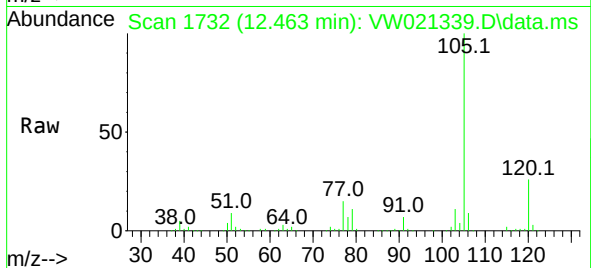
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 17361 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.9  | 39.6  | 59.4  |
| 254       | 10.4  | 7.4   | 11.0  |



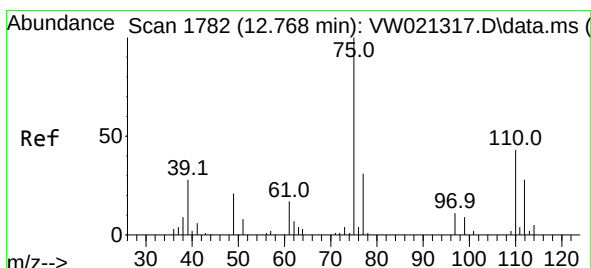
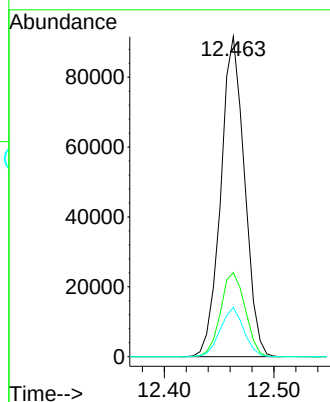
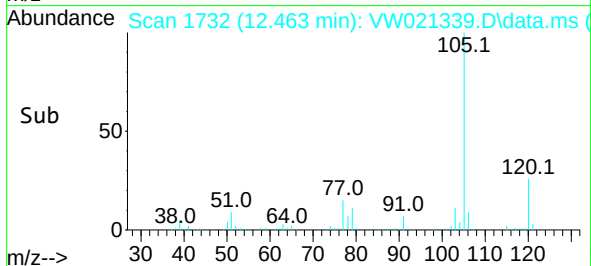


#60  
Isopropylbenzene  
Concen: 20.621 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

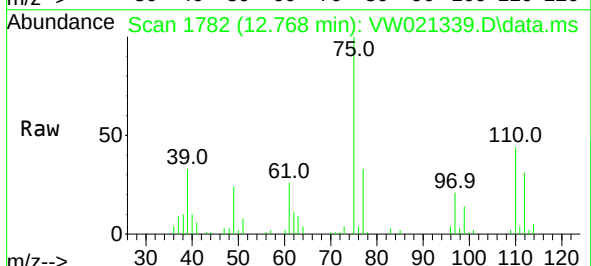
Instrument :  
MSVOA\_W  
ClientSampleId :



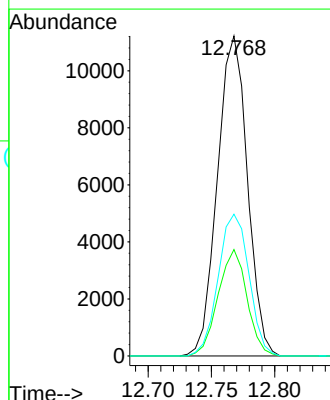
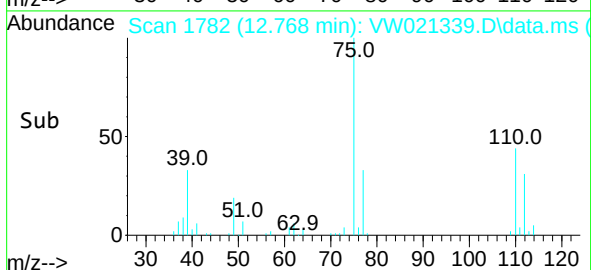
Tgt Ion:105 Resp: 138005  
Ion Ratio Lower Upper  
105 100  
120 27.2 20.1 30.1  
77 15.2 13.8 20.8

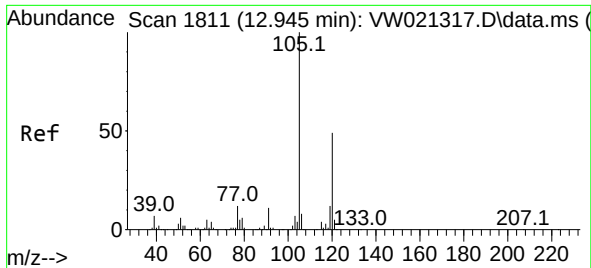


#61  
1,2,3-Trichloropropane  
Concen: 25.841 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32



Tgt Ion: 75 Resp: 18523  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.8 38.8  
110 45.4 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 20.911 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

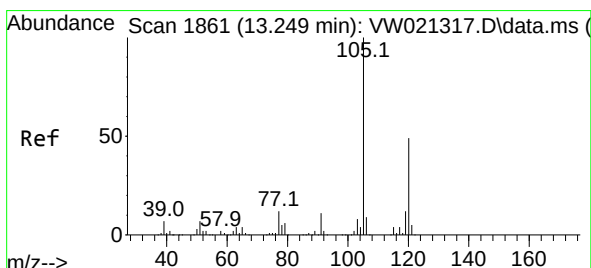
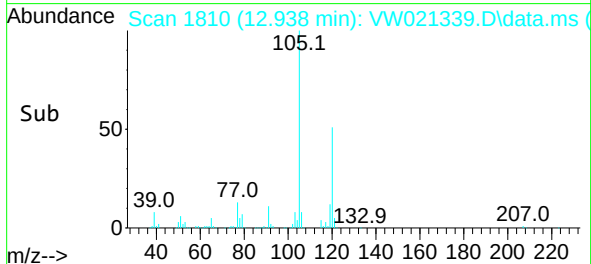
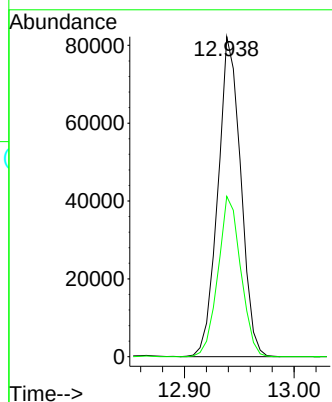
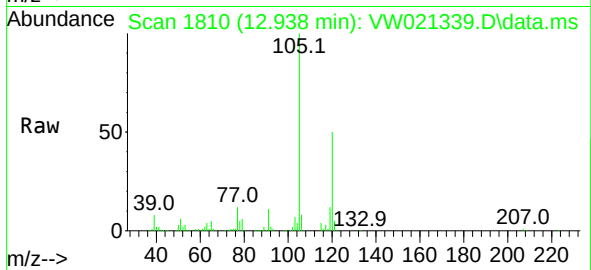
ClientSampleId :

Tgt Ion:105 Resp: 119084

Ion Ratio Lower Upper

105 100

120 49.9 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 21.136 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021339.D

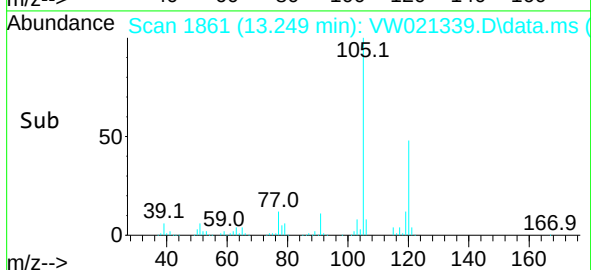
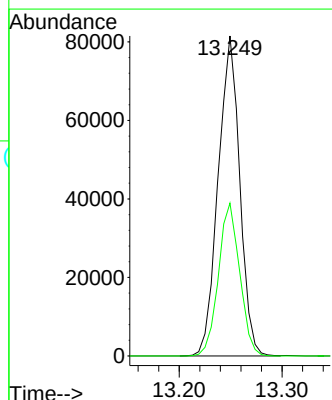
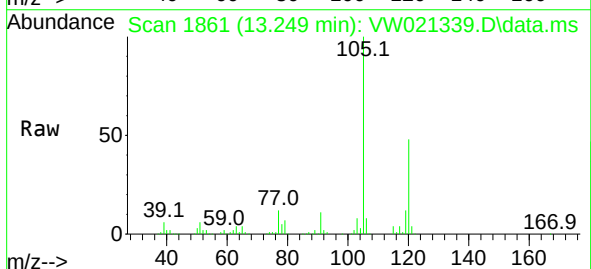
Acq: 11 Dec 2021 20:32

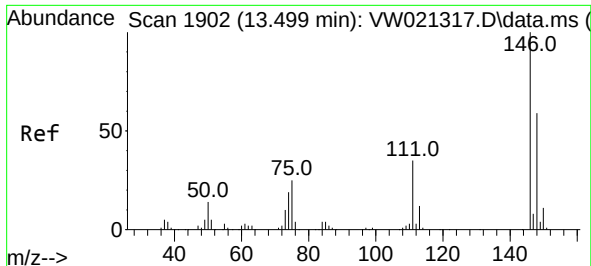
Tgt Ion:105 Resp: 118739

Ion Ratio Lower Upper

105 100

120 46.9 35.0 52.6

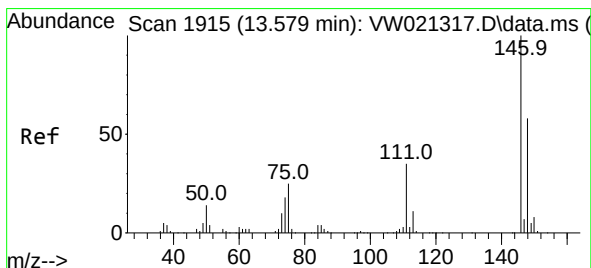
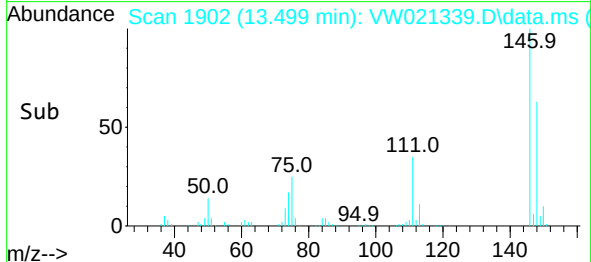
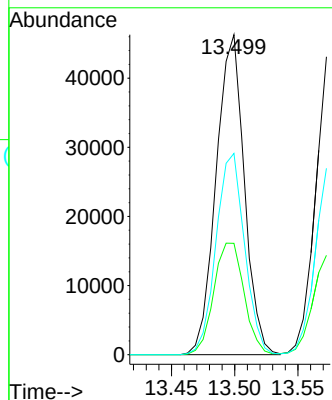
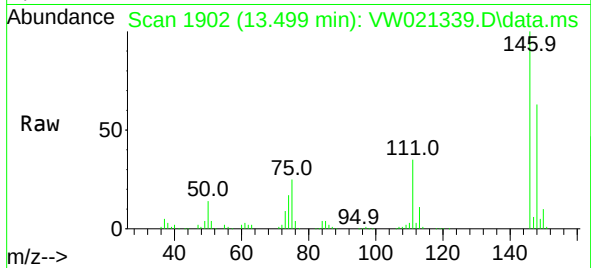




#64  
1,3-Dichlorobenzene  
Concen: 22.697 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

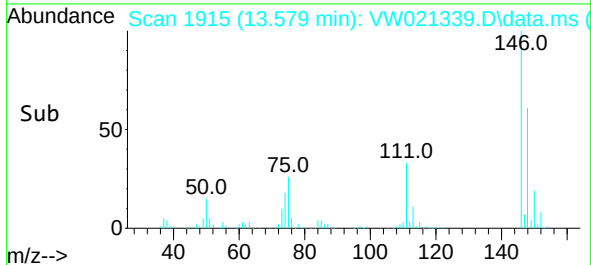
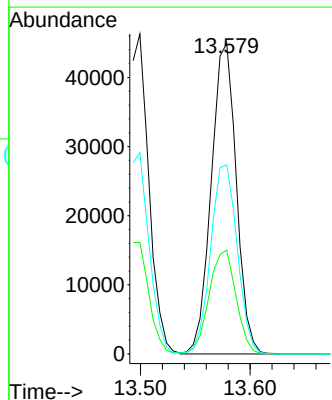
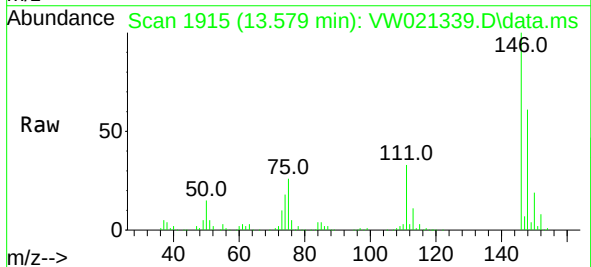
Instrument :  
MSVOA\_W  
ClientSampleId :

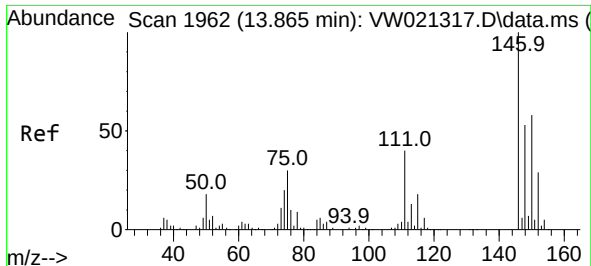
Tgt Ion:146 Resp: 71648  
Ion Ratio Lower Upper  
146 100  
111 34.8 29.8 55.3  
148 62.9 46.2 85.8



#65  
1,4-Dichlorobenzene  
Concen: 22.824 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion:146 Resp: 71581  
Ion Ratio Lower Upper  
146 100  
111 33.5 29.0 53.9  
148 60.9 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 23.283 ug/L

RT: 13.871 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

ClientSampleId :

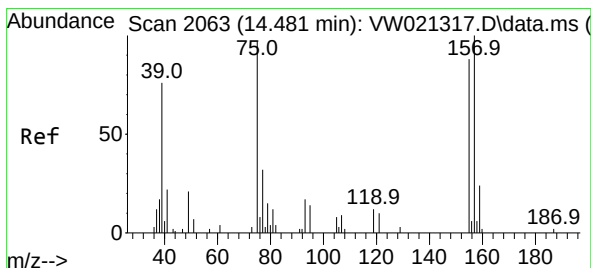
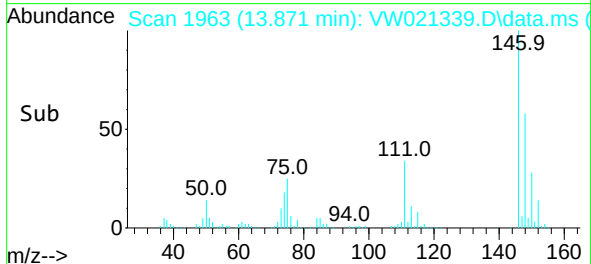
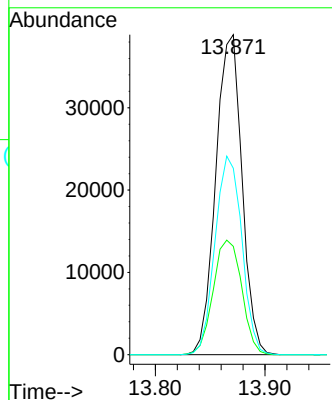
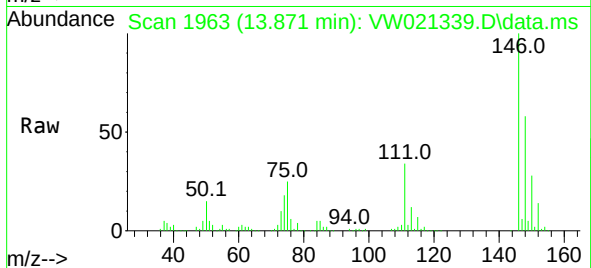
Tgt Ion:146 Resp: 64705

Ion Ratio Lower Upper

146 100

111 33.9 33.1 49.7

148 58.3 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 30.524 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

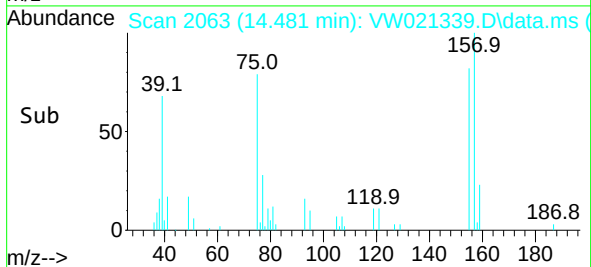
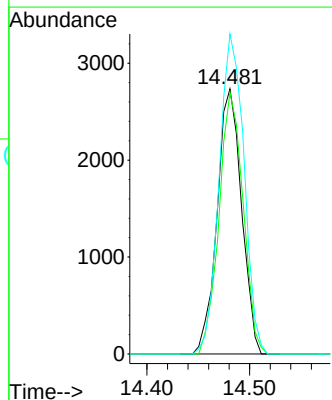
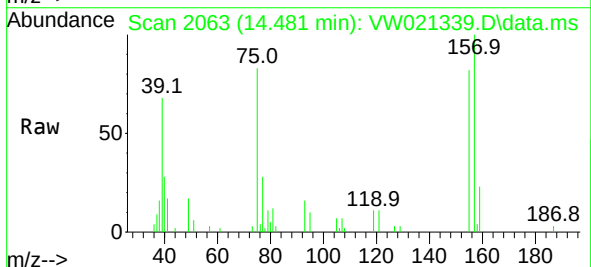
Tgt Ion: 75 Resp: 4513

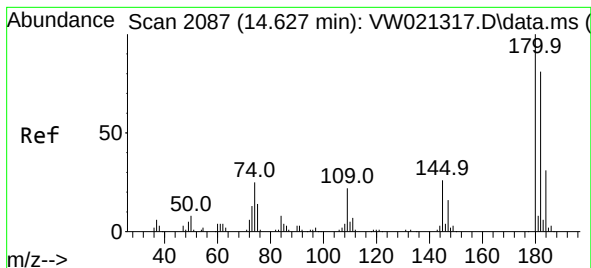
Ion Ratio Lower Upper

75 100

155 98.6 54.2 81.2#

157 120.7 69.4 104.2#





#69

1,3,5-Trichlorobenzene

Concen: 21.360 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. -0.000 min

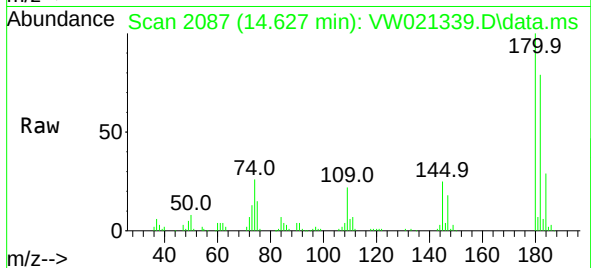
Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 50396

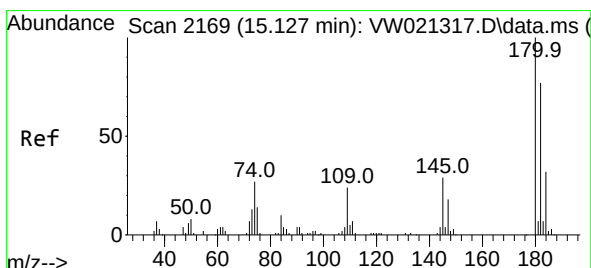
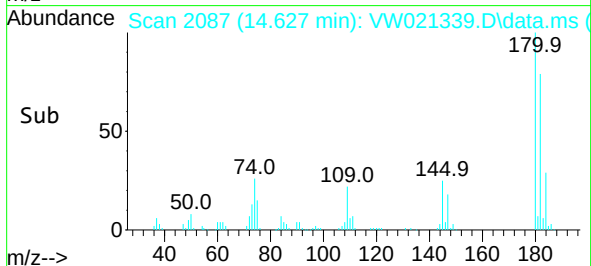
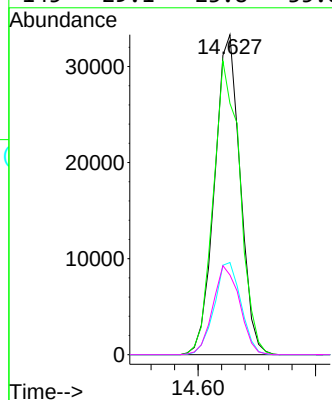
Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.0

184 30.1 23.8 35.8

145 29.1 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 22.332 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW021339.D

Acq: 11 Dec 2021 20:32

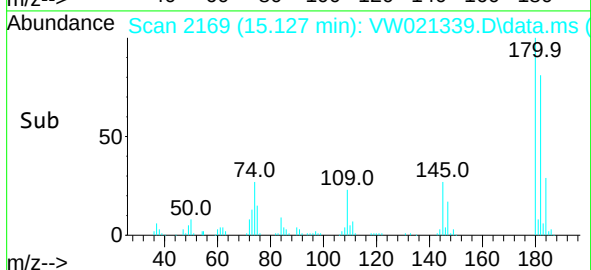
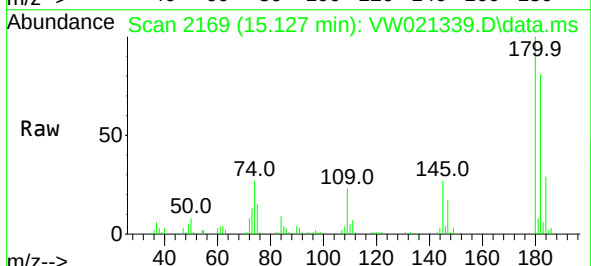
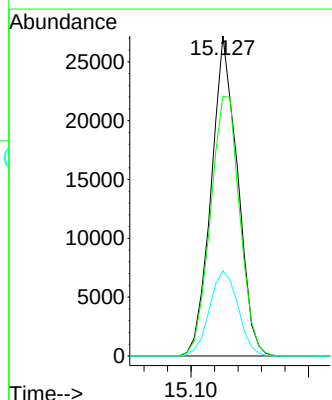
Tgt Ion:180 Resp: 42380

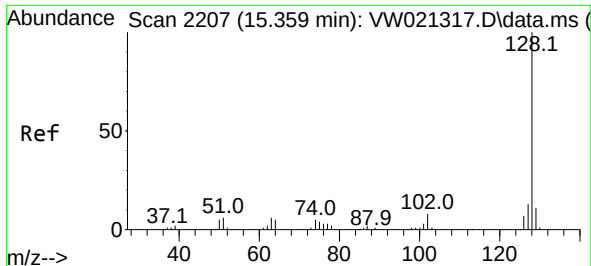
Ion Ratio Lower Upper

180 100

182 90.2 79.0 118.6

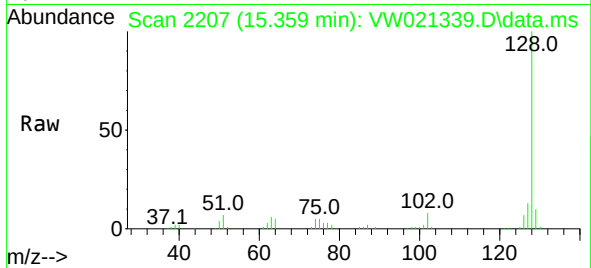
145 28.8 26.0 39.0



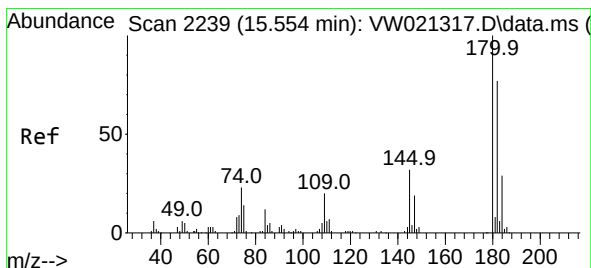
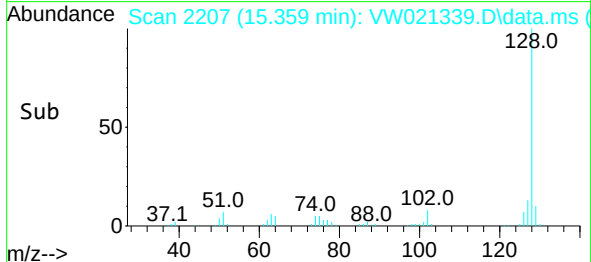
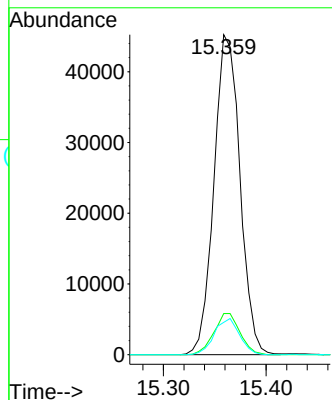


#71  
Naphthalene  
Concen: 25.770 ug/L  
RT: 15.359 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion:128 Resp: 79450  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.7 16.1  
129 11.0 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 24.033 ug/L  
RT: 15.548 min Scan# 2238  
Delta R.T. -0.000 min  
Lab File: VW021339.D  
Acq: 11 Dec 2021 20:32

Tgt Ion:180 Resp: 37692  
Ion Ratio Lower Upper  
180 100  
182 92.3 76.6 114.8  
145 30.4 27.4 41.0

