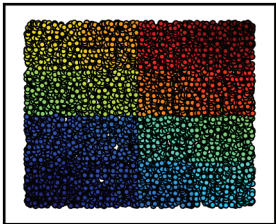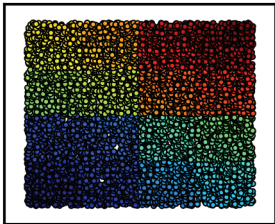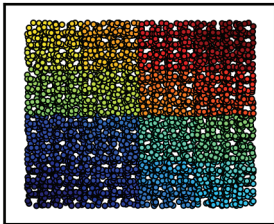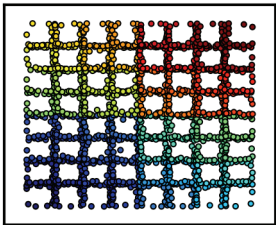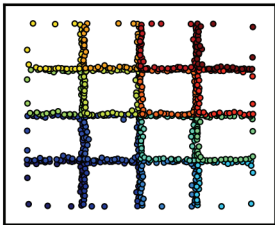$N_0 = 8192$    $N_1 = 7134$    $N_2 = 4138$    $N_3 = 1849$    $N_4 = 776$    $N_5 = 265$