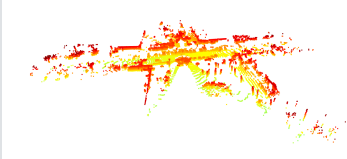
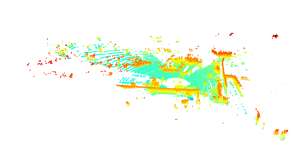
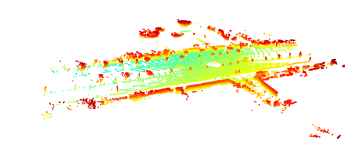

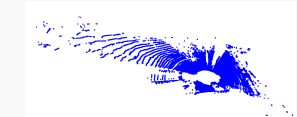
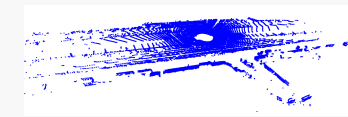


# 第四章作业

```
clustering pointcloud file: ./data\007480.bin
ground data points num: 52451
segmented data points num: 58285
total cluster numbers: 299
clustering pointcloud file: ./data\000000.bin
ground data points num: 53186
segmented data points num: 62198
total cluster numbers: 126
clustering pointcloud file: ./data\004088.bin
ground data points num: 81675
segmented data points num: 40830
total cluster numbers: 243
```

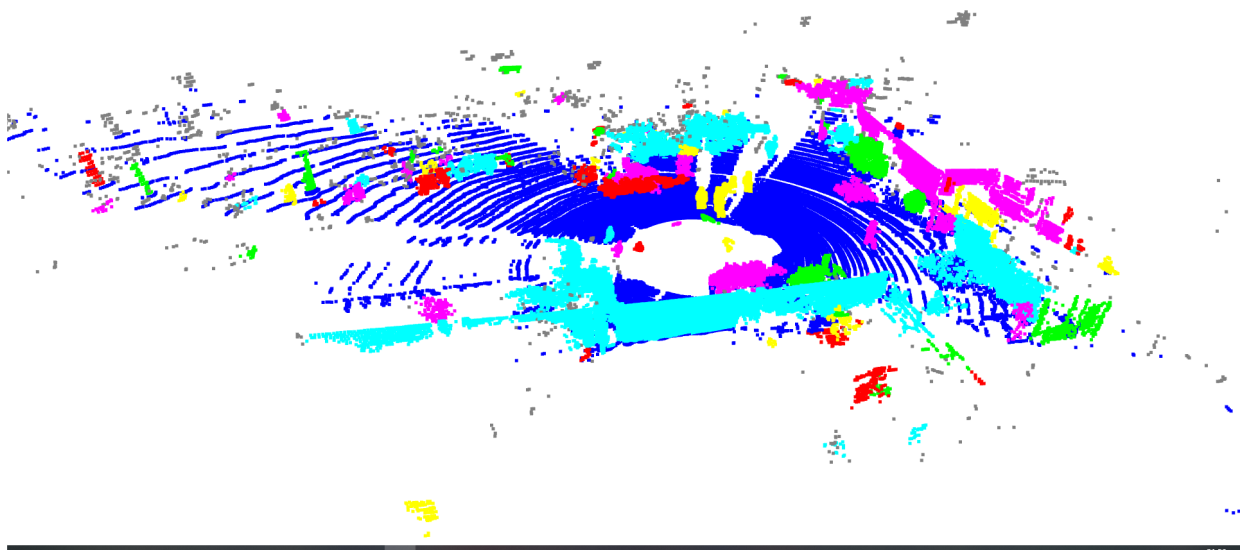
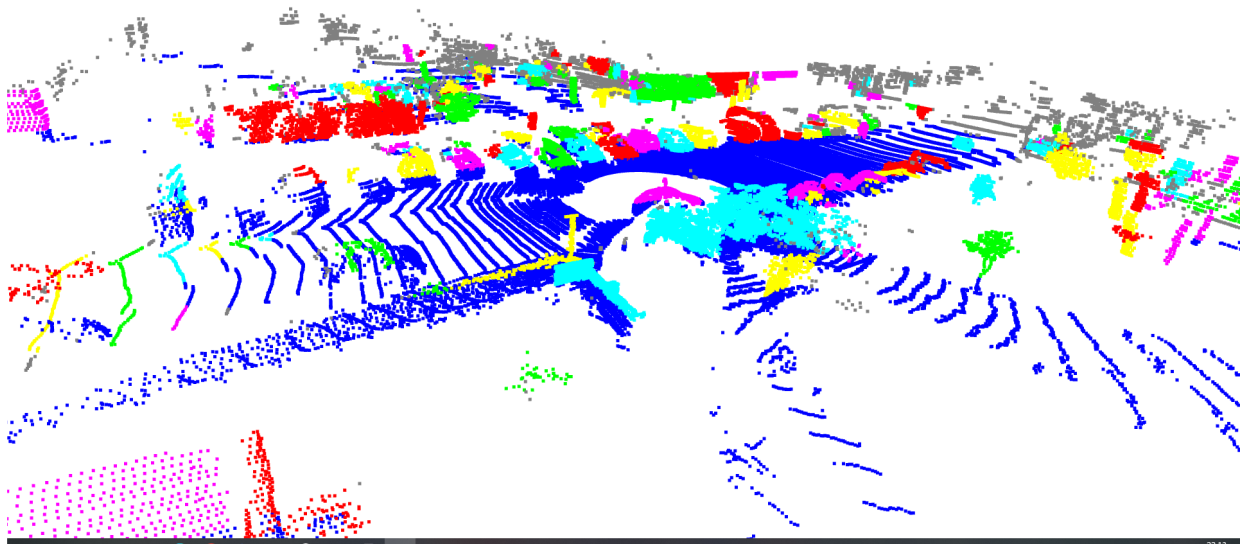
## 1. 地面拟合

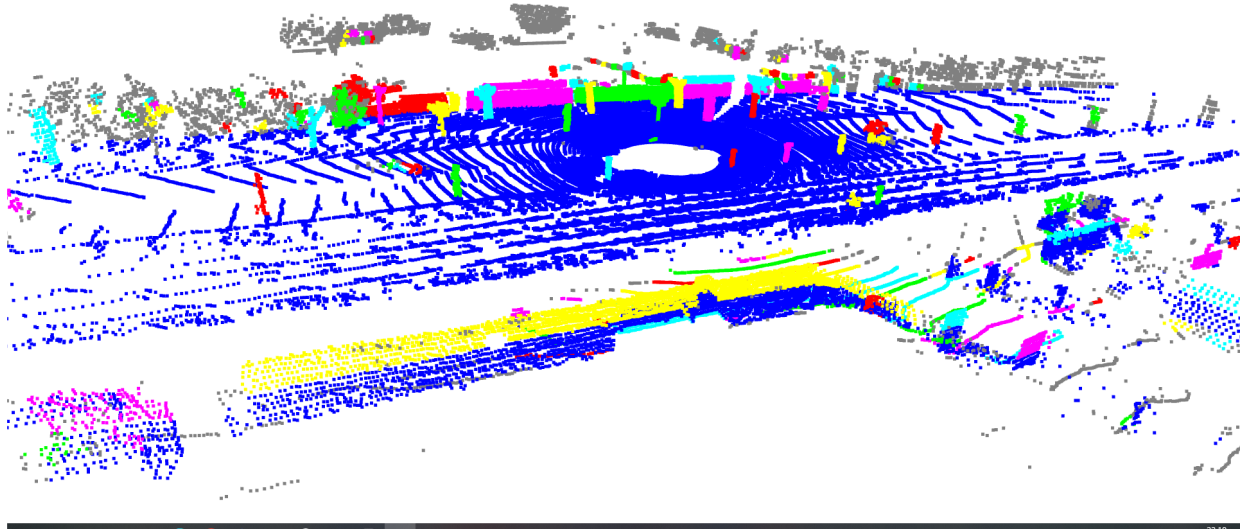
采用RANSAC，自己写了完整的RANSAC流程（ground\_segmentation\_using\_ransac()函数）

Num	007480	000000	004088
Origin			
Ground			

ransac参数好难调啊！

## 2. 聚类





可以看到主要的对象还是可以通过聚类清晰的区分的，例如图一中的车辆，图二中的行人，图三中的数目等