

```
In [1]: import matplotlib.pyplot as plt

# Example retention times and peak heights for cocaine and cannabis
retention_times_cocaine = [17.3, 16.8, 18.5, 17.9, 18.2] # Example retention times
peak_heights_cocaine = [100, 80, 120, 90, 110] # Example peak heights for cocaine

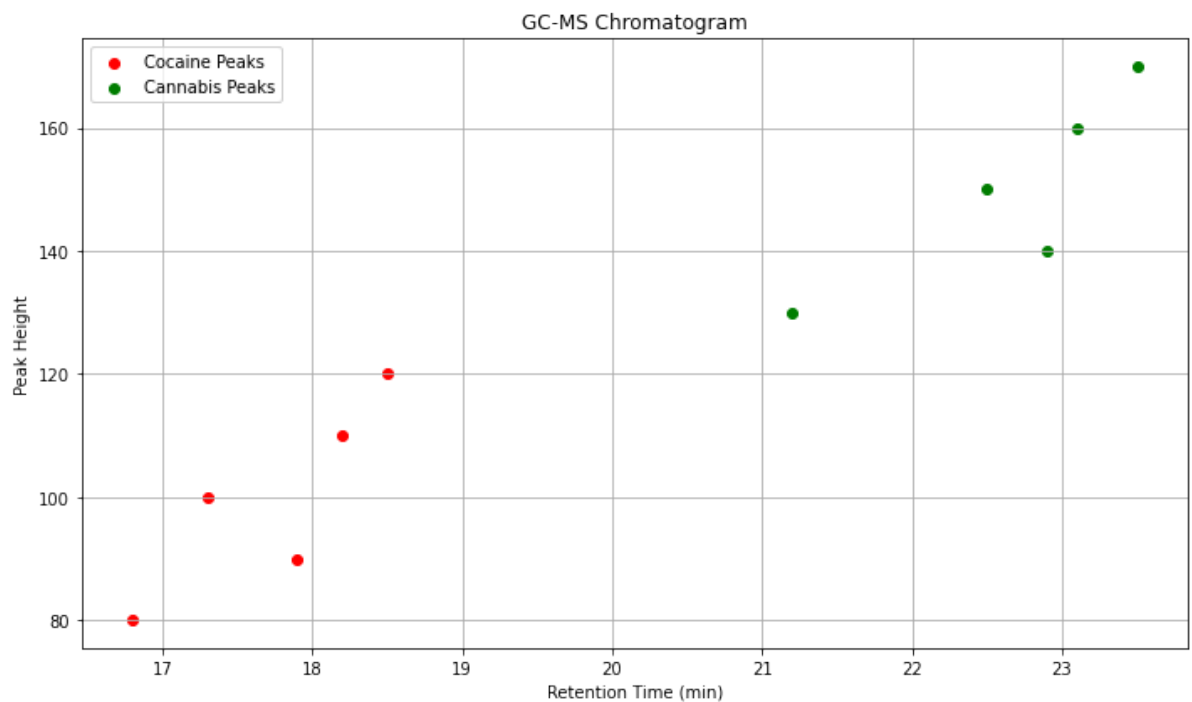
retention_times_cannabis = [22.5, 21.2, 23.1, 22.9, 23.5] # Example retention times
peak_heights_cannabis = [150, 130, 160, 140, 170] # Example peak heights for cannabis

# Plotting chromatogram
plt.figure(figsize=(10, 6))

# Plot cocaine peaks
plt.scatter(retention_times_cocaine, peak_heights_cocaine, color='r', marker='o', 1

# Plot cannabis peaks
plt.scatter(retention_times_cannabis, peak_heights_cannabis, color='g', marker='o',

plt.xlabel('Retention Time (min)')
plt.ylabel('Peak Height')
plt.title('GC-MS Chromatogram')
plt.legend()
plt.grid(True)
plt.tight_layout()
plt.show()
```



```
In [ ]:
```