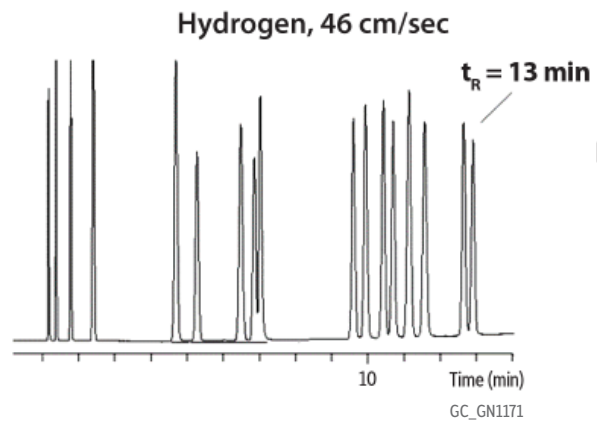
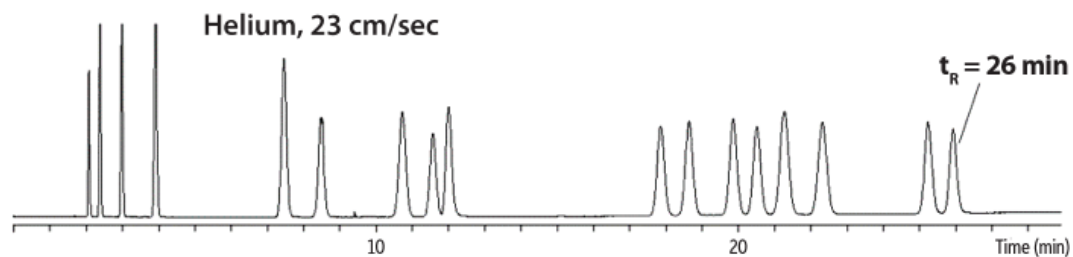


Comparison of Helium and Hydrogen Carrier Gases



Benefits of Hydrogen

- 2x faster elution
- 2x higher response

Column
Sample
Injection
Oven
Detector
Notes

Rt[®]-Alumina BOND/MAPD
Hydrocarbon mixture
split

FID
Using hydrogen as the carrier gas allows the linear velocity to be doubled so compounds elute in half the time.
Helium: 23 cm/sec
Hydrogen: 46 cm/sec