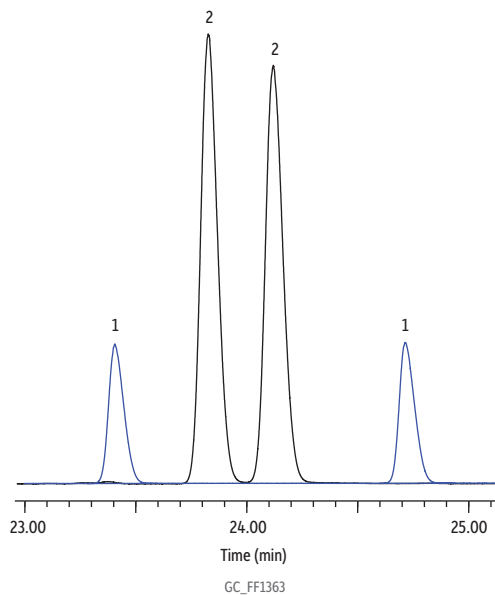


Camphor and Styrene Oxide on Rt-βDEXse



Peaks	tr 1	tr 2
1. Styrene oxide	23.408	24.715
2. Camphor	23.828	24.120

Column	Rt-βDEXse, 30 m, 0.32 mm ID, 0.25 μm (cat.# 13106)
Standard/Sample	Camphor Styrene oxide
Diluent:	Acetone
Conc.:	1000 μg/mL
Injection	
Inj. Vol.:	1 μL split (split ratio 100:1)
Liner:	Topaz 4.0 mm ID Precision inlet liner w/ wool (cat.# 23305)
Inj. Temp.:	210 °C
Oven	
Oven Temp.:	40 °C (hold 1 min) to 230 °C at 2 °C/min (hold 3 min)
Carrier Gas	H ₂ , constant flow
Linear Velocity:	80 cm/sec @ 40 °C
Detector	FID @ 230 °C
Constant Column	
+ Constant Make-up:	51.4 mL/min
Make-up Gas Type:	N ₂
Hydrogen flow:	40 mL/min
Air flow:	400 mL/min
Data Rate:	50 Hz
Instrument	Agilent 7890A GC
Sample Preparation	Camphor and styrene oxide (neat) were dissolved in acetone to a final concentration of 1000 ppm in 2 mL, screw-thread vials (cat.# 21143), and capped with short-cap, screw-vial closures (cat.# 24495).
Notes	Enantiomeric resolution of camphor was 2.1, and enantiomeric resolution of styrene oxide was 10.7.