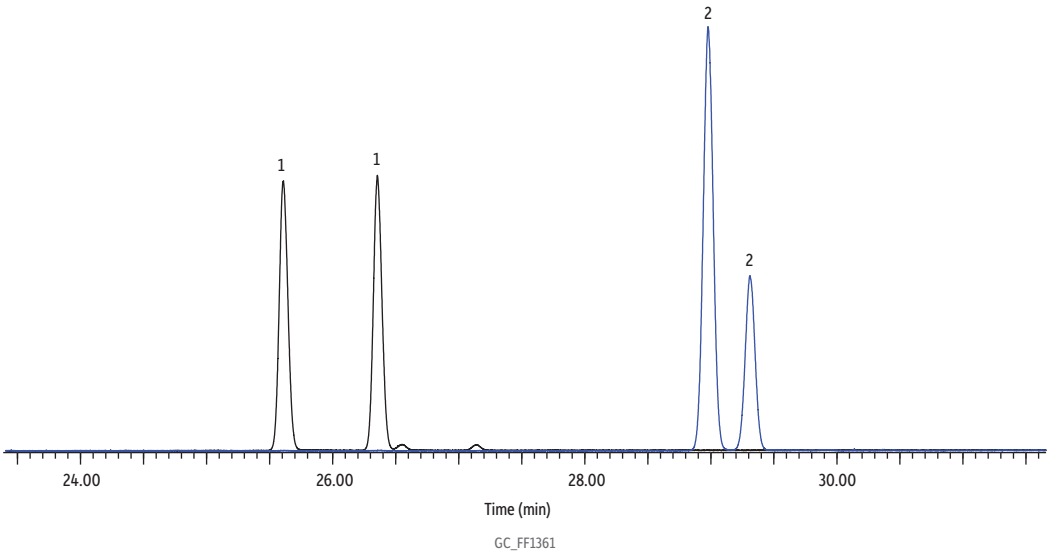
(±) Linalool and (±) Linalyl Acetate on Rt-βDEXse



Peaks	tR 1	tR 2
1. (±) Linalool	25.688	26.651
2. (±) Linalyl acetate	29.166	29.494

Column	Rt-βDEXse, 30 m, 0.32 mm ID, 0.25 µm (cat.# 13106)
Standard/Sample	(±) Linalool (±) Linalyl acetate
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	(±) Linalool and (±) linalyl acetate (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	This is a composite chromatogram of (±) linalool and (±) linalyl acetate. (±) Linalool enantiomeric resolution was 5.9, and (±) linalyl acetate enantiomeric resolution was 2.3.