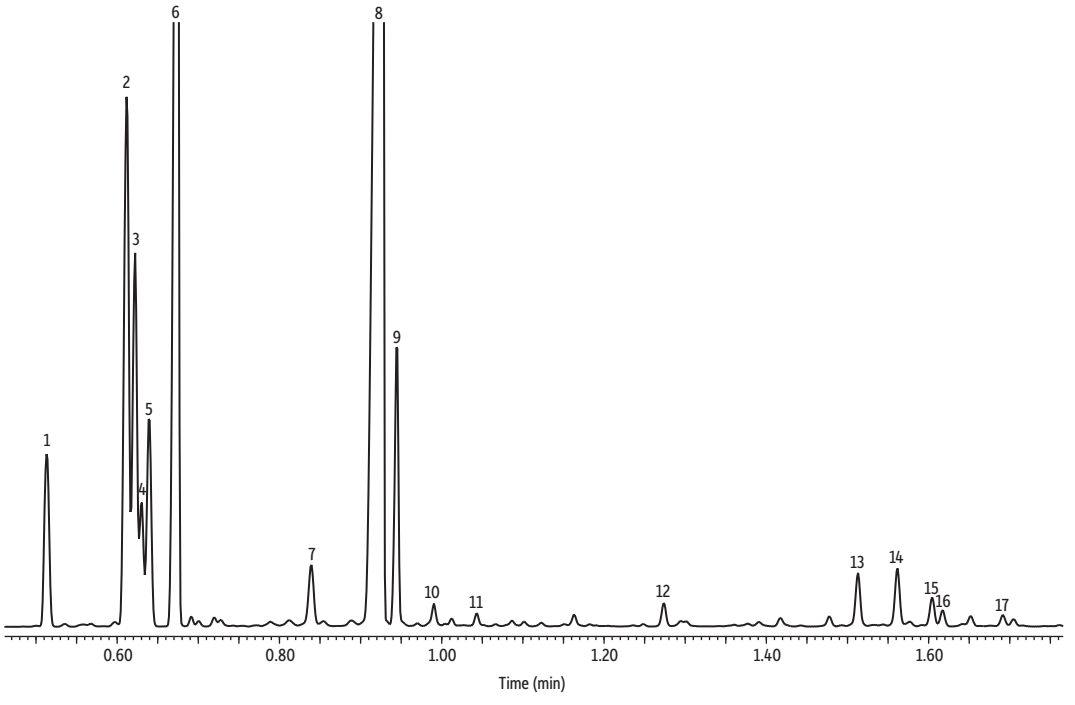
Tea Tree Oil on Rxi-5Sil MS (10 m, 0.15 mm ID, 0.15 µm)



GC_FF1339

Peaks	t_R (min)	Peaks	t_R (min)
1. α-Pinene	0.514	9. α-Terpineol	0.945
2. Terpinolene	0.612	10. Nerol	0.991
3. *p*-Cymene	0.622	11. Geraniol	1.043
4. D-Limonene	0.625	12. γ-Elemene	1.274
5. Eucalyptol	0.640	13. Caryophyllene	1.513
6. γ-Terpinene	0.674	14. Aromadendrene	1.562
7. Pinocarveol	0.840	15. α-Caryophyllene	1.604
8. Terpinen-4-ol	0.926	16. Alloaromadendrene	1.617
		17. Ledene	1.691

Column	Rxi-5Sil MS, 10 m, 0.15 mm ID, 0.15 µm (cat.# 43815)
Sample	Tea tree oil
Diluent:	Acetone
Conc.:	1%
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.:	250 °C
Oven	
Oven Temp.:	100 °C to 300 °C at 45 °C/min to 320 °C at 30 °C/min (hold 5 min)
Carrier Gas	He, constant flow
Flow Rate:	1.01 mL/min
Detector	MS
Mode:	Scan

Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	1.00	35-500	11

Transfer Line Temp.:	300 °C
Analyzer Type:	Quadrupole
Source Type:	Inert
Source Temp.:	230 °C
Quad Temp.:	150 °C
Instrument	Agilent 7890A GC & 5975C MSD
Notes	All peaks were identified using the NIST MS EI spectra library (2005).