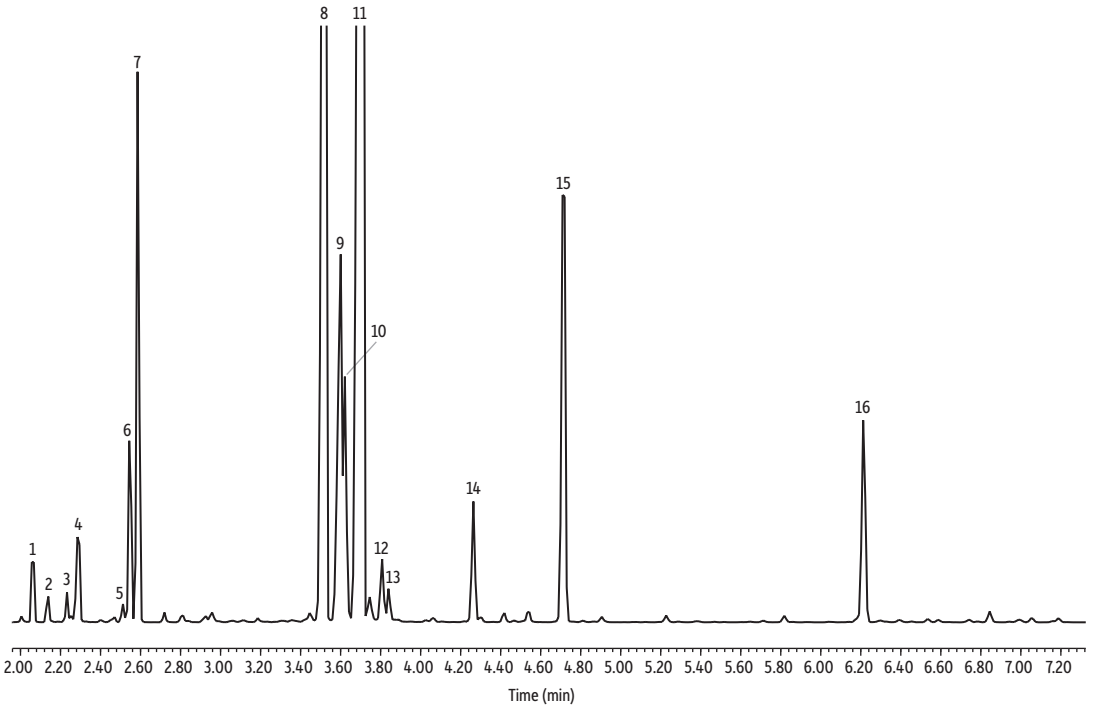
Peppermint Oil on Rxi-5Sil MS



GC_FF1315

Peaks	t_R (min)	Peaks	t_R (min)
1. α-Pinene	2.066	9. Methone 2	3.599
2. 3-Methylcyclohexanone	2.138	10. Neoisomenthol	3.621
3. β-Phellandrene	2.233	11. Menthol	3.706
4. β-Pinene	2.293	12. Isomenthol	3.811
5. *p*-Cymene	2.513	13. α-Terpineol	3.839
6. D-Limonene	2.551	14. Pulegone	4.268
7. Eucalyptol	2.591	15. Menthyl acetate	4.719
8. Methone 1	3.522	16. Caryophyllene	6.219

Column	Rxi-5Sil MS, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13623)
Sample	Peppermint oil
Diluent:	Acetone
Conc.:	5%
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 11 °C/min (hold 10 min)
Carrier Gas	He, constant flow
Flow Rate:	1.31 mL/min
Detector	MS
Mode:	Scan

Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	1.00	35-500	5

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).