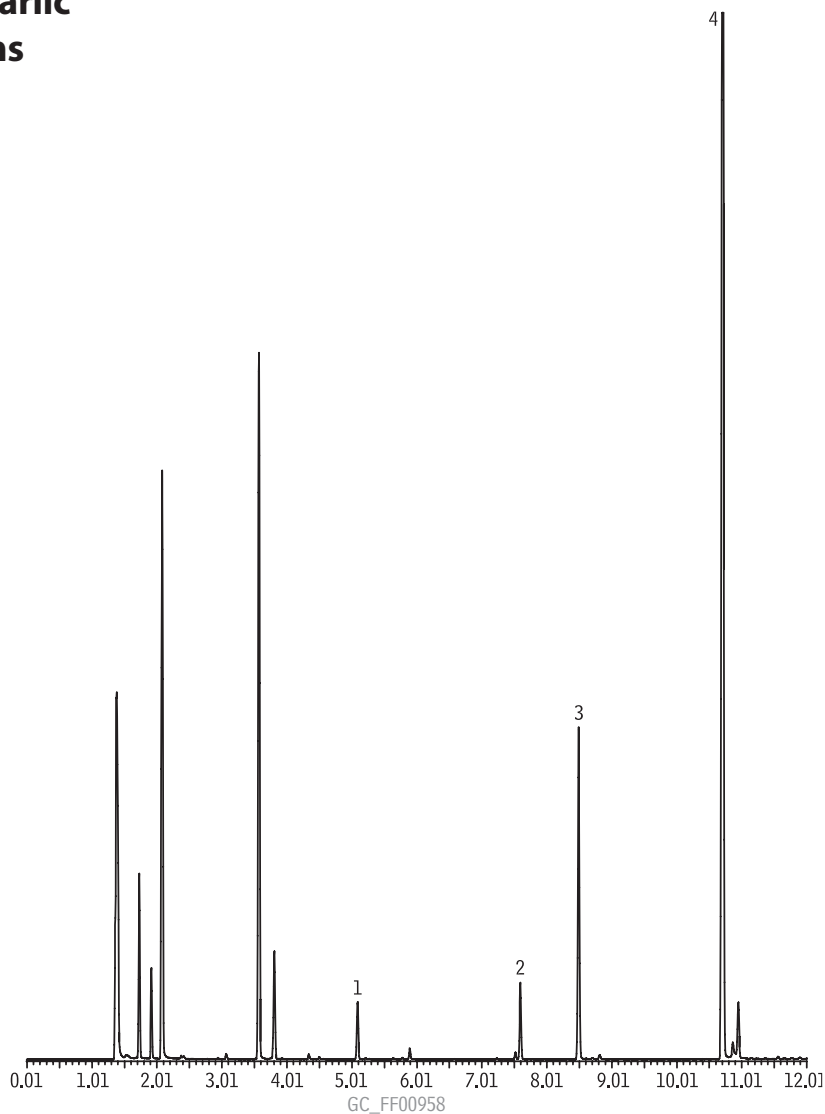


Fresh Garlic
Rxi®-5ms



1. allyl methylsulfide
2. 3,3'-thiobis-1-propene
3. allyl mercaptan
4. diallyl disulphide

Column: Rxi®-5ms, 30m, 0.25mm ID, 1.0 μ m (cat.# 13453)
with a 5m, 0.32mm ID IP deactivated guard column (cat.# 10044)
Sample: fresh garlic
Inj.: split (10:1)
Inj. temp.: 220°C
Flow rate: 1.5mL/min.
Oven temp.: 35°C (hold 1 min.) to 220°C @ 15°C/min. to 300°C @ 45°C/min.
Det: MS
Scan range: 35-350amu
Ionization: EI
Mode: scan

Headspace Conditions
Instrument: PerkinElmer TurboMatrix 40 Trap Headspace Sampler
Column pressure: 15psi (103kPa)
Inj. pressure: 30psi (207kPa)
Thermostat time: 15 min.
Vial pressurize time: 1 min.
Withdraw time: 0.2 min.
Injection time: 0.02 min.
Oven temp.: 80°C
Needle temp.: 90°C
Transfer temp.: 110°C