

CoreFocus
Report
No.402

GCMS

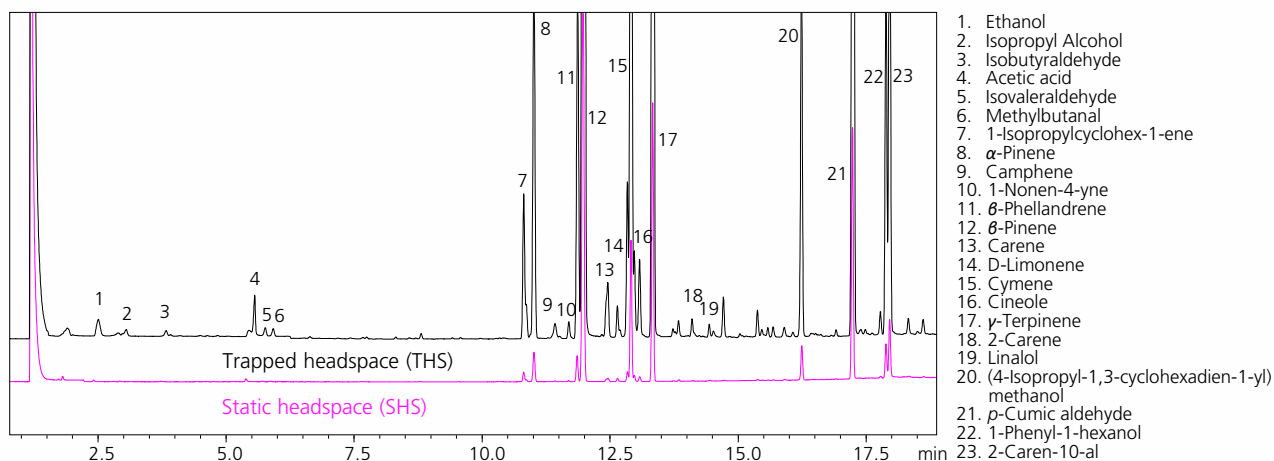
HS

SH Series

SH-I-624Sil MS

Aroma Components Analysis for Cumin

Keywords: Food, Spices



GC-MS Conditions

Model : GCMS-QP™2020 NX/HS-20 NX Trap
Column : SH-I-624Sil MS (30 m x 0.32 mm I.D., 1.8 μ m)
P/N : 227-36077-01
Column temp. : 40 °C (2 min) - 10 °C/min - 200 °C (6 min)
Total 24 min
Injection mode : Split 1 : 20
Carrier gas controller : Fixed linear velocity mode (He)
Linear velocity : 43.2 cm/s
Interface temp. : 250 °C
Ion source temp. : 200 °C
Scan : *m/z* 35 - 400

HS Sampling Conditions

Oven temp. : 70 °C
Equilibration time : 45 min
Sample line temp. : 150 °C
Transfer line temp. : 150 °C
Vial stirring : Off
Vial volume : 20 mL
Vial pressurization time : 0.5 min
Vial pressure equilibrating time : 0.1 min
Loading time : 0.5 min
Load equilibrating time : 0 min
Multi injection : 3
Vial pressure : 100.0 kPa (He)
Trap cooling temp. : -10 °C
Trap heating temp. : 250 °C
Trap adsorbent : Tenax® TA 60/80 mesh 37 mg
Injection time : 5.0 min
Needle flush time : 5.0 min

Source : Application News 01-00218 ([JP](#), [ENG](#))

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