

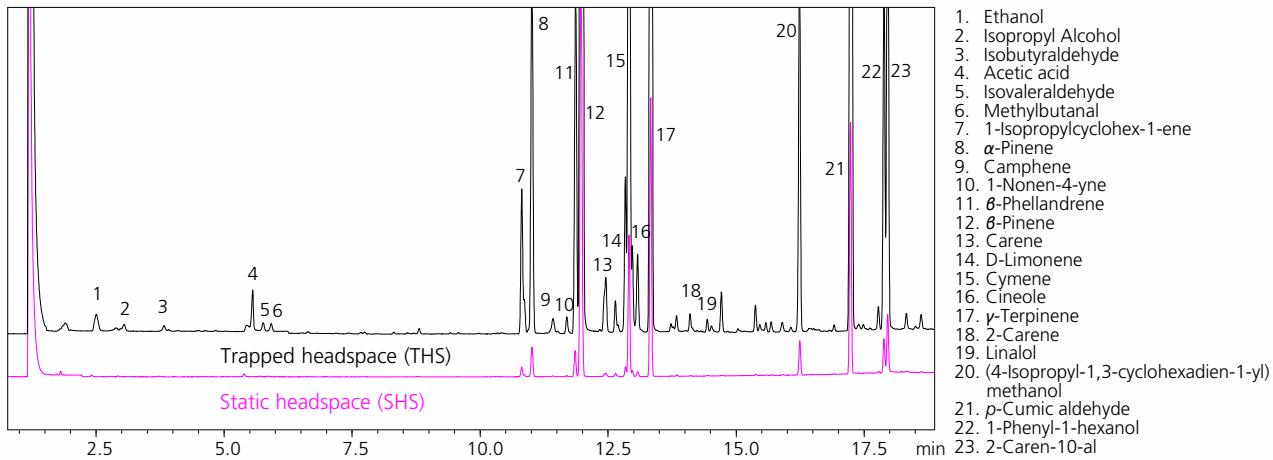
**CoreFocus**  
Report  
No.402

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 $\mu$ 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	:	<i>m/z</i> 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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