

Simple Concentration Analysis of Introduced Aromatic Components of Shaoxing Rice Wine - Use of Sorptive Media MonoTrap

MonoTrap RGC18TD, a simplified enrichment tool, was used to screen and analyze the flavor components in Shaoxing rice wine. MonoTrap RGC18TD is supplied individually packaged in ampoules, no pre-conditioning is required and there is no risk of contamination.

Pretreatment procedure

Shaoxing rice wine

Place 30 mL of sample in 40 mL vials

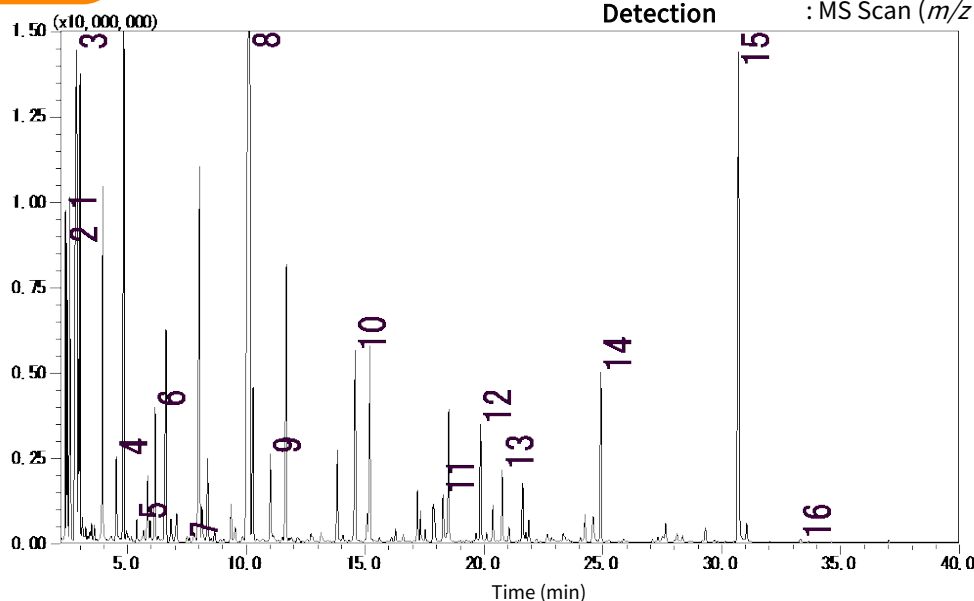
Collection (HS)
One MonoTrap RGC18TD

At room temperature for 3 h

TD-GC-MS

Conditions

System	: GC-MS-Thermal Desorption
Column	: InertCap Pure-WAX 0.25 mm I.D. x 30 m df = 0.25 μ m
Col.Temp.	: 40 °C (5 min) - 4 °C/min - 250 °C
Carrier Gas	: He 1 mL/min (constant flow)
Desorb Temp.	: 200 °C
Time	: 5 min
Flow	: 2 mL/min
Split	: Splitless
Cryo Trapping	: -160 °C
Injection Temp.	: 250 °C
Detection	: MS Scan (<i>m/z</i> : 40 - 600)



- | | |
|-----------------------------|-----------------------------------|
| 1. Ethyl Acetate | 9. Ethyl hexanoate |
| 2. Ethylidene diethyl ether | 10. Ethyllactate |
| 3. Ethyl alcohol | 11. Furfural |
| 4. Ethyl butanoate | 12. Benzaldehyde |
| 5. Ethyl 3-methylbutanoate | 13. 2,3-Butanediol |
| 6. Isobutyl alcohol | 14. Ethyl succinate |
| 7. Ethyl pentanoate | 15. Phenylethyl Alcohol |
| 8. Isopentyl alcohol | 16. <i>γ</i> -n-Amylbutyrolactone |

* Standard samples are not used for qualitative analysis. Results from a library search.

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