

Simple Concentration and Analysis of Flavor Components in Blueberry Jam - Using Sorptive Media MonoTrap

MonoTrap RCC18 (with activated carbon) was used to collect fragrance components using a headspace method (HS). Headspace methods (HS) are effective for collection of compounds from highly viscous and high matrix samples such as jams.

Preliminary processing procedure

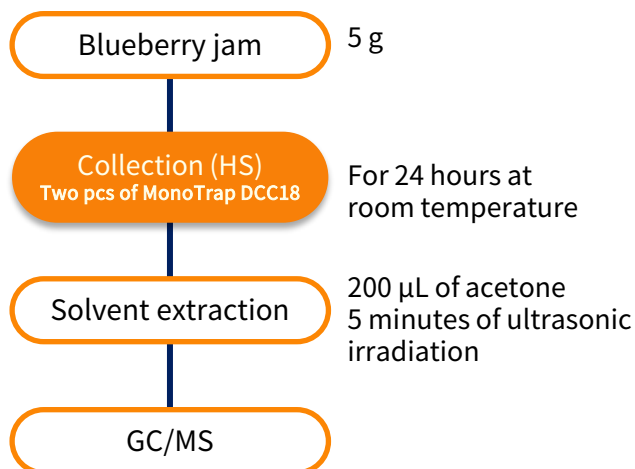


Image of collection vial

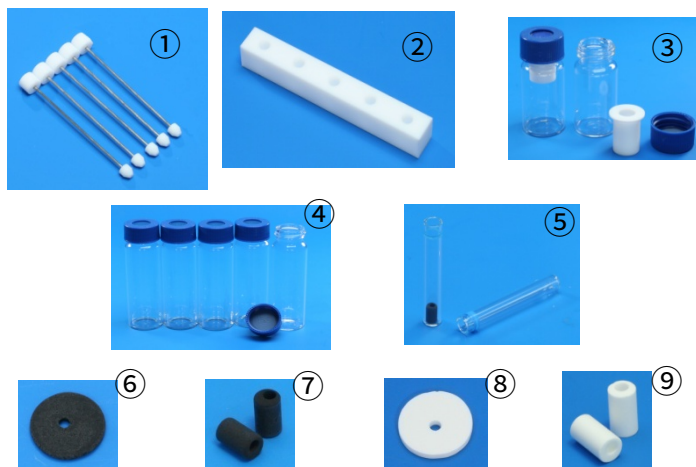
GC Conditions

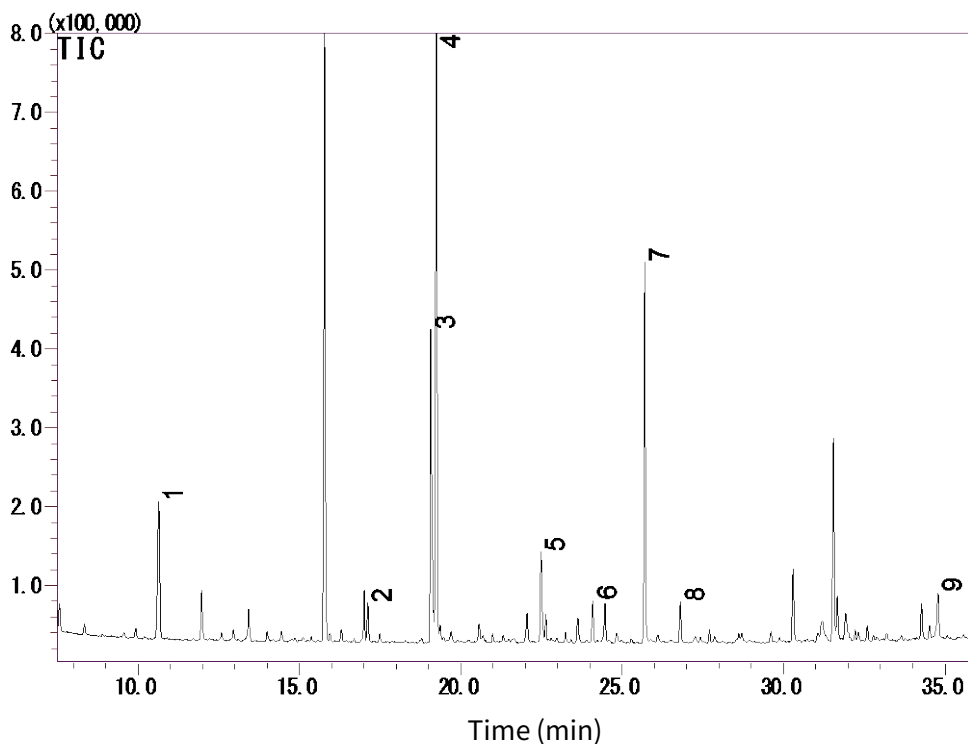
System : GC - MS
Column : InertCap Pure-WAX 0.25 mm I.D. x 30 m
 df = 0.25 µm
Col. Temp. : 40 °C (5 min) - 4 °C/min - 250 °C
Carrier Gas : He 120 kPa
Injection : Splitless
 250 °C
Detection : MS Scan (m/z : 40-350)
Sample Size: 1 µL

Initial use of MonoTrap...

Introduction to the convenient MonoTrap Start UP-KIT

	Description	Qty.
①	MT Holder	5
②	MT Stand	1
③	MT Extract Cup with Vial (20 mL)	5
④	Clean Pin Hole Septum with vial (40 mL)	5
⑤	200 µL glass insert (flat bottom)	40
⑥	MonoTrap DCC18	20
⑦	MonoTrap RCC18	20
⑧	MonoTrap DSC18	20
⑨	MonoTrap RSC18	20





- | | |
|----------------------|-------------------------|
| 1. Isoamyl formate | 6. Ethyl laevulinate |
| 2. Nonanal | 7. 2-Furanmethanol |
| 3. Acetic acid | 8. α -Terpineol |
| 4. Furfural | 9. Furfyl hydroxymethyl |
| 5. β -Linalool | |

* According to library search results

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