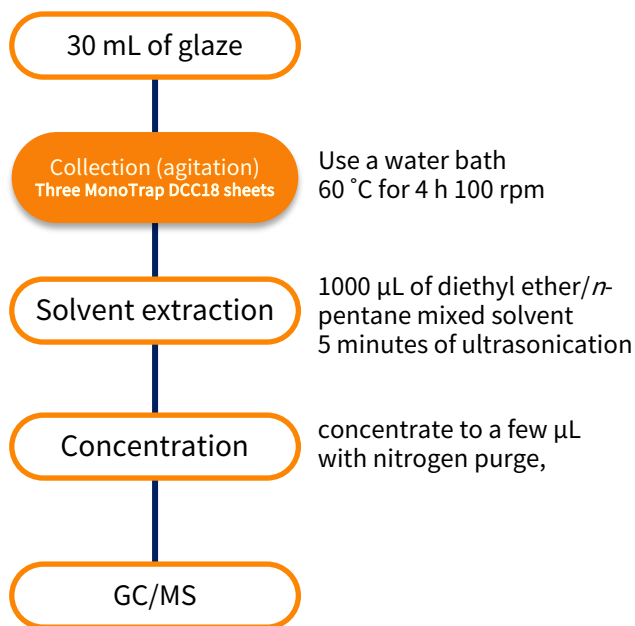


Simple Concentration and Analysis of Flavor Components - Using Sorptive Media MonoTrap

Simple concentration and analysis of flavor components in noodles was made using MonoTrap DCC18 (with activated carbon). Due to the large surface area and large sample loadings, together with solvent extraction MonoTrap DCC18 provides considerable information with high sensitivity.

Preliminary processing procedure

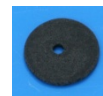


GC Conditions

System : GC - MS
Column : InertCap Pure-WAX 0.25 mm I.D. x 30 m
 df = 0.25 µm
Col. Temp. : 50 °C (5 min) - 6 °C/min - 250 °C
Carrier Gas : He 90 kPa
Injection : Splitless 250 °C
Detection : MS Scan (*m/z* 35-400)
Sample Size : 1 µL

MonoTrap Series

Cat.No	Description	Configuration	Size	Activated Carbon	Functional Group
1050-72101	MonoTrap DCC18	Disk	O.D.10mmx thick 1mm	Yes	C18
1050-72201	MonoTrap RCC18	Rod	O.D.2.9 mmxI.D.1mm x Hight 5mm	Yes	C18
1050-71101	MonoTrap DSC18	Disk	O.D.10mmx thick 1mm	No	C18
1050-71201	MonoTrap RSC18	Rod	O.D.2.9 mmxI.D.1mm x Hight 5mm	No	C18



DCC18



RCC18



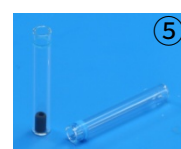
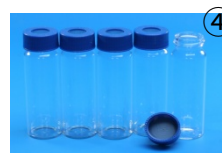
DSC18

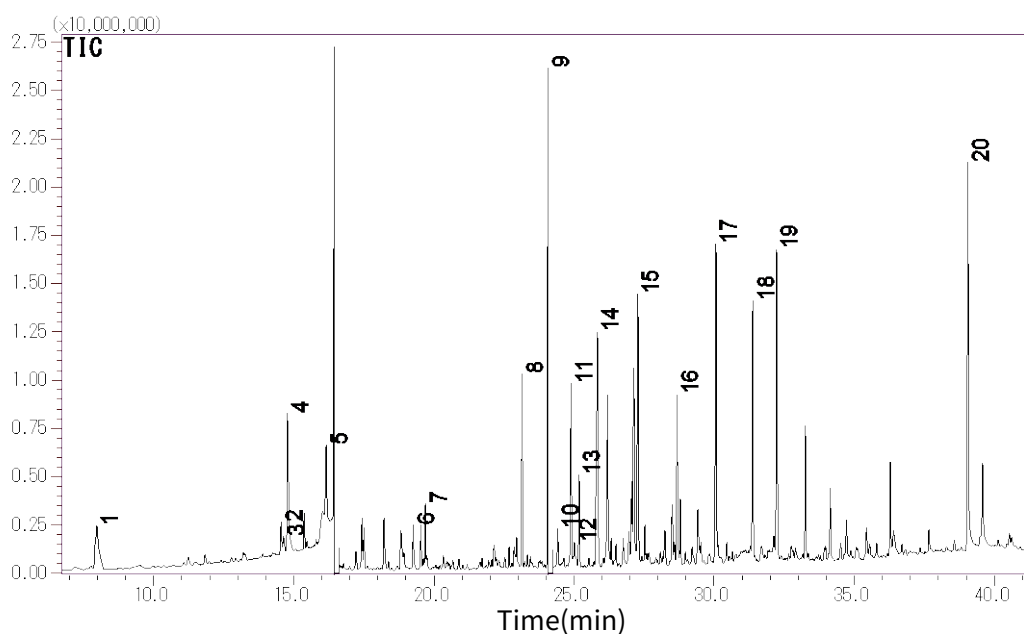


RSC18

Initial use of the convenient MonoTrap and overview of the 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. Isopentyl alcohol | 11. <i>p</i> -Creosol |
| 2. 1-Octen-3-ol | 12. Maltol |
| 3. 1-Heptanethiol | 13. Methyl pyrrol-2-yl ketone |
| 4. Acetic acid | 14. Phenol |
| 5. Benzaldehyde | 15. <i>m</i> -Cresol |
| 6. 2-Furanmethanol | 16. 3,4-Xylenol |
| 7. 3-Cyclohexene-1-ethanol | 17. Pyrogallol 1,3-dimethyl ether |
| 8. <i>o</i> -Methoxyphenol | 18. 1,2,4-Trimethoxybenzene |
| 9. Phenylethyl Alcohol | 19. 1,2,3-Trimethoxy-5-methylbenzene |
| 10. 2-Phenyl-2-butenal | 20. <i>n</i> -Hexadecanoic acid |

*According to library search results

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