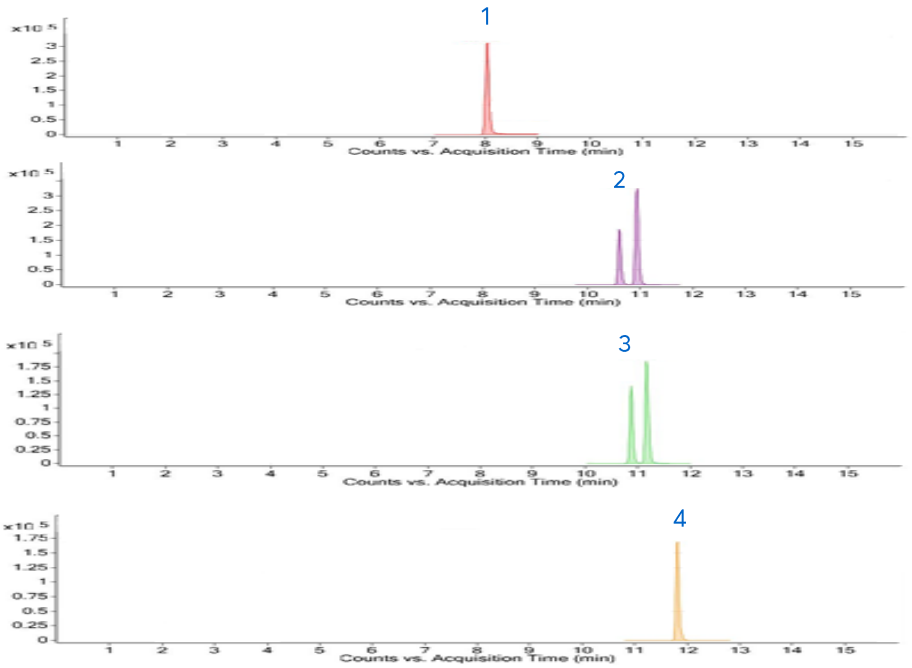
Chromatography Solutions

Application note #1290

Pesticides by LC-MS/MS



1. Carbaryl (m/z 202.10 → 145.10)
2. Dimethomorphs (m/z 388.10 → 301.10)
3. Cyproconazoles (m/z 292.10 → 70.00)
4. Fenbuconazole (m/z 337.10 → 70.00)

Avantor® ACE®

Method Details

CONDITIONS

Column: Avantor® ACE® UltraCore 2.5 SuperC18

Dimensions: 50 x 2.1 mm

Mobile Phase: A: 0.1% formic acid + 5 mM ammonium formate in H_2O/MeOH (90:10 v/v)

B: 0.1% formic acid + 5 mM ammonium formate in H_2O/MeOH (10:90 v/v)

Time (mins)	% B
0.00	0
1.00	0
15.00	100
18.00	100
18.05	0
20.00	0

Flow Rate: 0.4 mL/min

Injection: 20 µL

Temperature: 40 °C

Detection: Agilent 6420 Triple Quadrupole MS

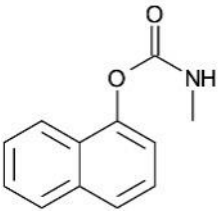
+ve mode ESI

Dynamic MRM

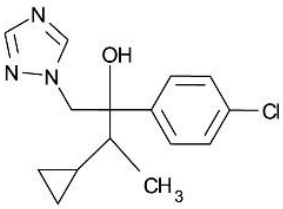
ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® UltraCore 2.5 SuperC18	HPLC column	50 x 2.1 mm	CORE-25A-0502U

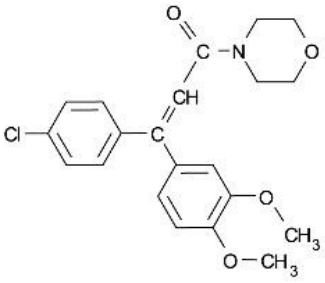
Reproduced with permission of Kent Scientific Services



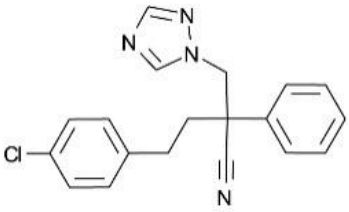
Carbaryl



Cyproconazole



Dimethomorph



Fenbuconazole

ALSO ANALYSED UNDER THE SAME CONDITIONS:

Acephate, Acetamiprid, Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide, Benomyl, Carbendazim, Carbofuran, Clofentezine, Clothianidin, Cyfluthrin, Demeton S-methylsulfone, Demeton S-methylsulfoxide, Dicrotophos, Dimethoate, Dinotefuran, DMA, DMPF, Flubendiamide, Folpet, Formetanate, Hexaconazole, Hexaflumuron, Imidacloprid, Indoxacarb, Mandipropamid, Methamidophos, Methomyl, Monocrotophos, Nicotine, Omethoate, Oxamyl, Pencycuron, Prochloraz, Propargite, Thiabendazole, Thiacloprid, Thiamethoxam, Thiodicarb, Thiophanate methyl and Triforine.