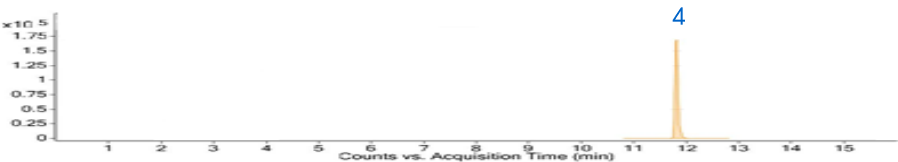
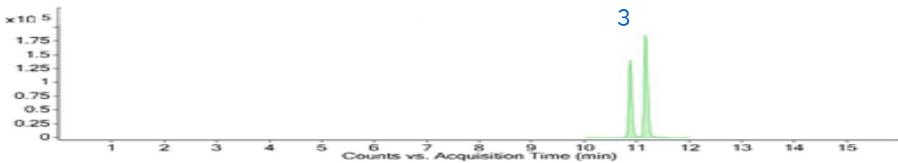
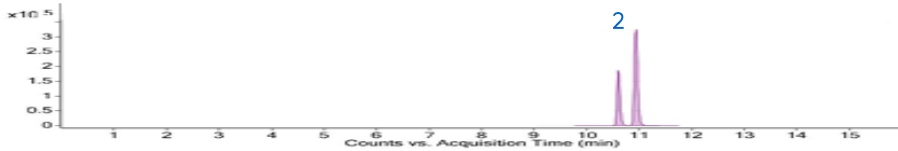
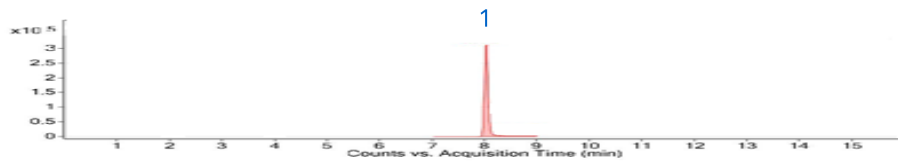


Pesticides by LC-MS/MS



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)

Method Details

CONDITIONS

Column: Avantor® ACE® UltraCore 2.5 SuperC18
 Particle Size: 2.5 µm
 Dimensions: 50 x 2.1 mm
 Mobile Phase: A: 0.1% formic acid + 5 mM ammonium formate in H₂O/MeOH (90:10 v/v)
 B: 0.1% formic acid + 5 mM ammonium formate in H₂O/MeOH (10:90 v/v)

Gradient:

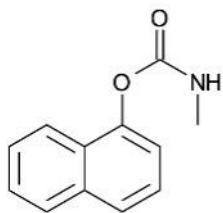
| Time (mins) | % B |
|-------------|-----|
| 0.00 | 0 |
| 1.00 | 0 |
| 15.00 | 100 |
| 18.00 | 100 |
| 18.05 | 0 |
| 20.00 | 0 |

Flow Rate: 0.4 mL/min
 Injection: 20 µL
 Temperature: 40 °C
 Detection: Agilent 6420 Triple Quadrupole MS
 +ve mode ESI
 Dynamic MRM

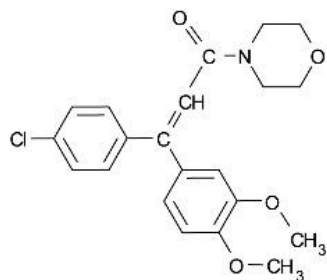
ORDERING TABLE

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

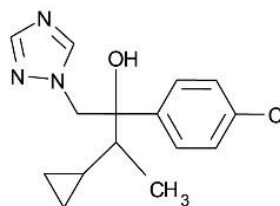
Reproduced with permission of Kent Scientific Services



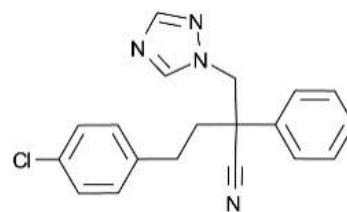
Carbaryl



Dimethomorph



Cyproconazole



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.