

MS/MS Parameters of Pesticides

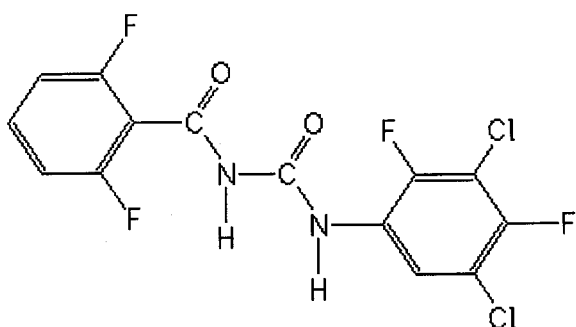
Analyte: Teflubenzuron

CAS No.: 83121-18-0

Formula: C₁₄H₆Cl₂F₄N₂O₂

Molecular mass (lowest isotopes): 379,97 amu

Structure:



Ionisation: ESI -

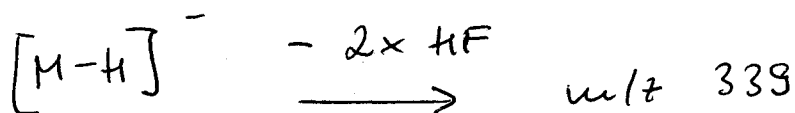
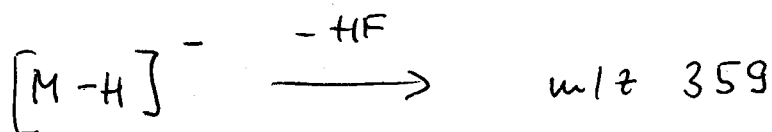
Quasimolecular ion: 379,0 amu = [M-H]⁻

Analyte sensitive parameter set (API 2000)

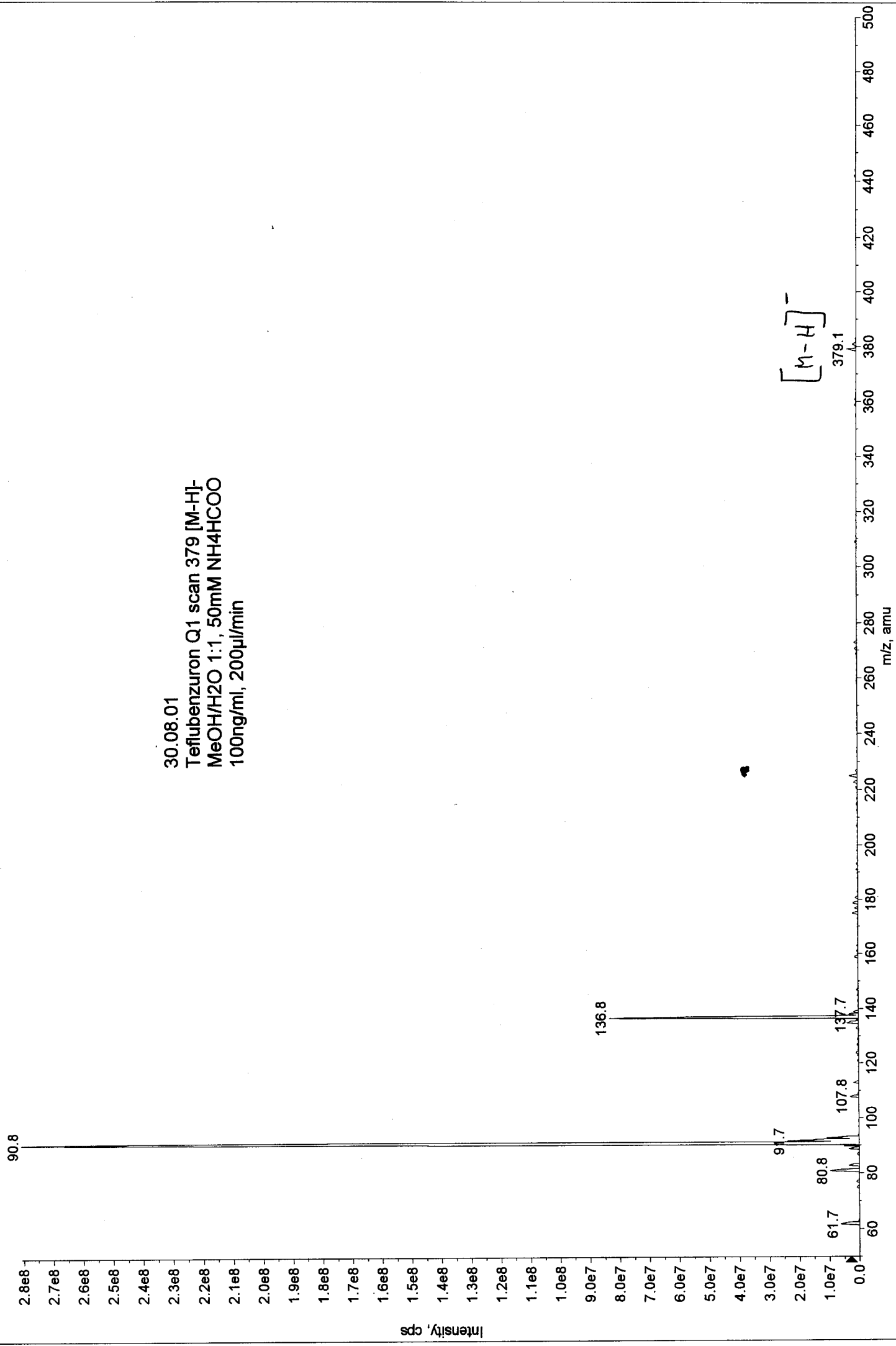
Transition	379,0 → 338,9	379,0 → 358,8
Declustering potential (DP) ^{*)}	-9V	-9 V
Focusing potential (FP)	-350 V	-350 V
Entrance potential (EP)	- 5,0 V	- 5,0 V
Collision cell entrance potential (CEP)	-32 V	-30 V
Collision energy (CE)	-12 V	-8 V
Collision cell exit potential (CXP)	-22 V	-22 V

^{*)} For API 3000 and 4000 enhance DP by 20V

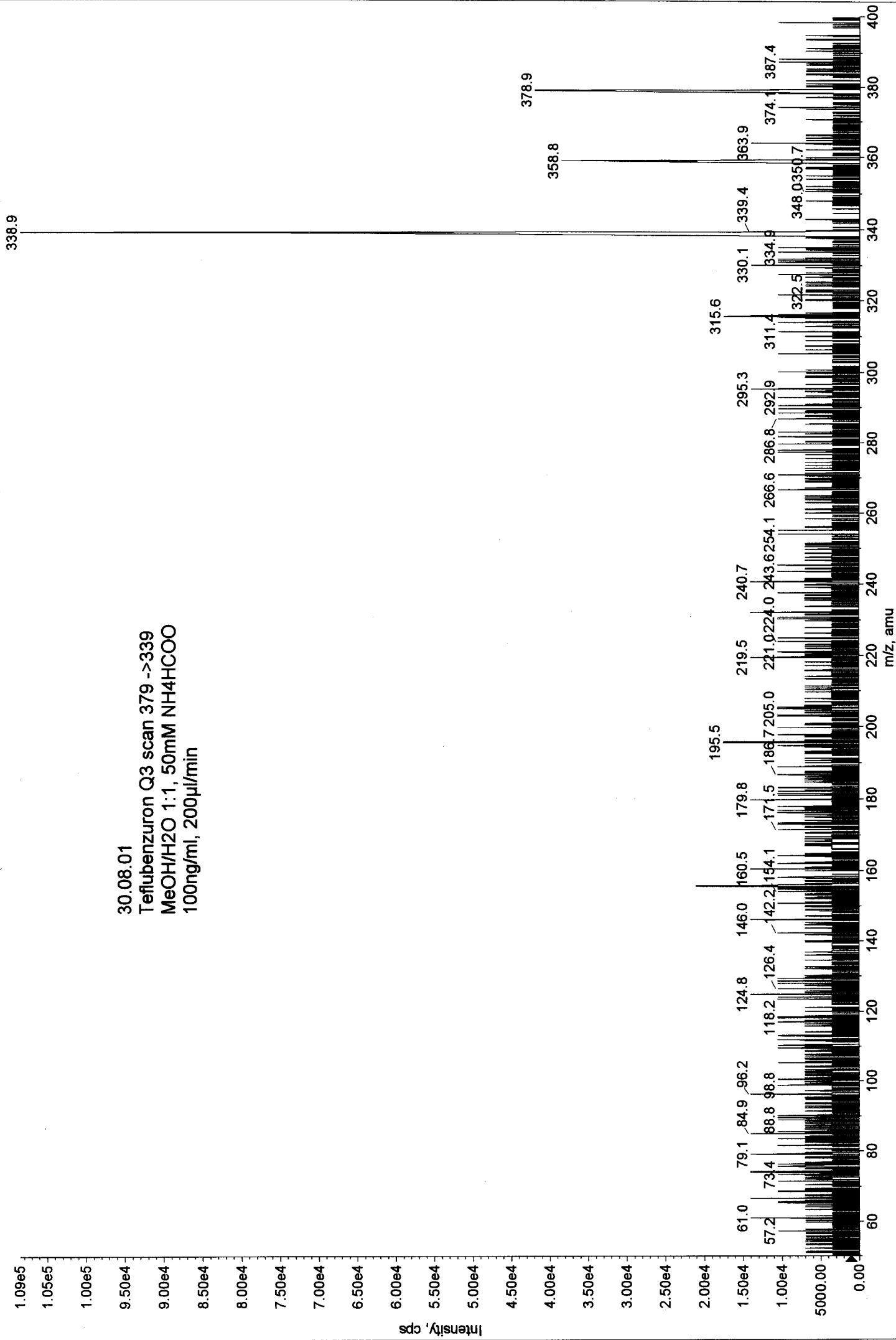
Fragmentation

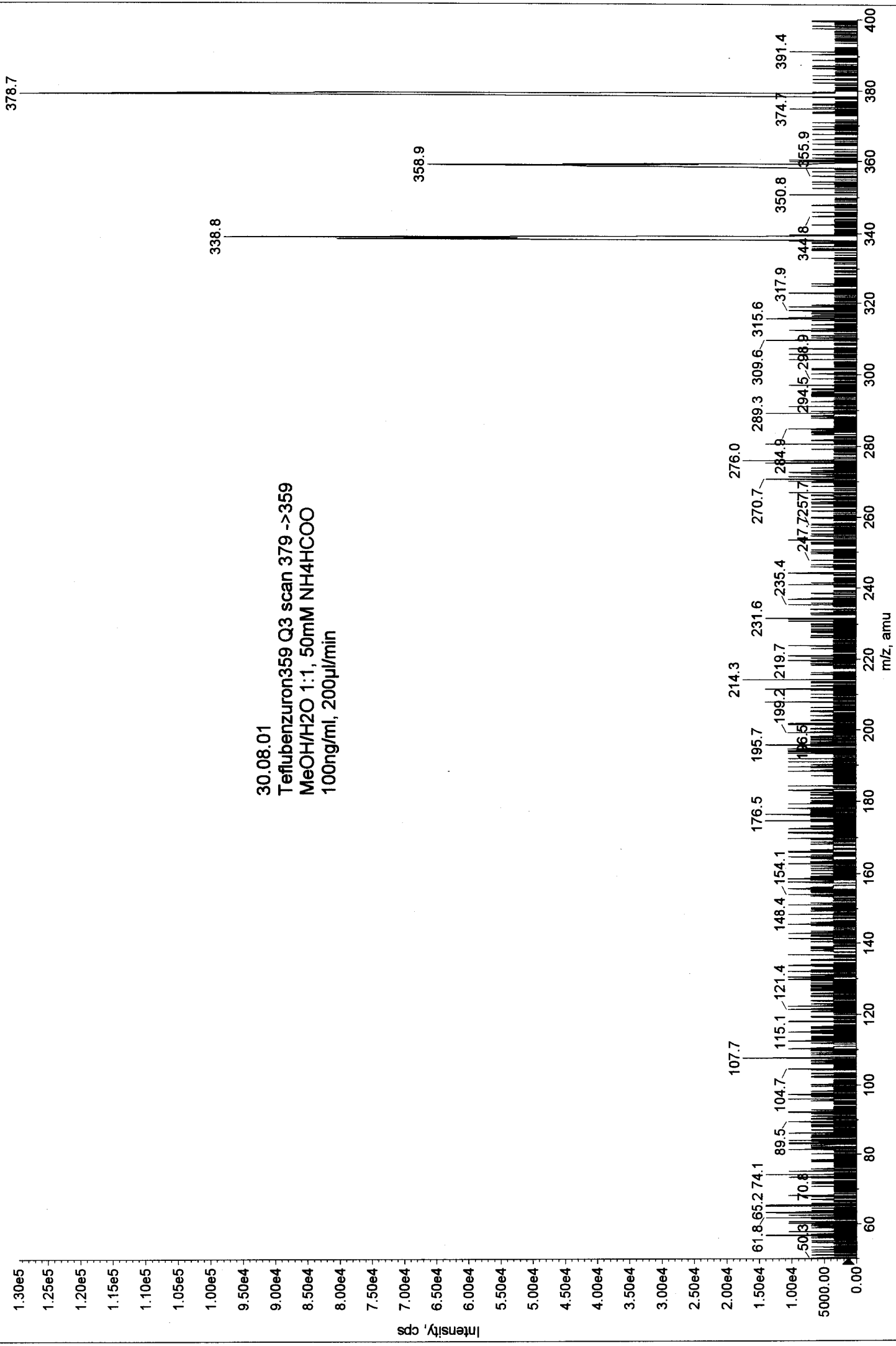


30.08.01
Teflubenzuron Q1 scan 379 [M-H]⁻
MeOH/H₂O 1:1, 50mM NH₄HCOO
100ng/ml, 200µl/min



30.08.01
Teflubenzuron Q3 scan 379 ->339
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min





30.08.01
Teflubenzuron359 Q3 scan 379 ->359
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min