

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

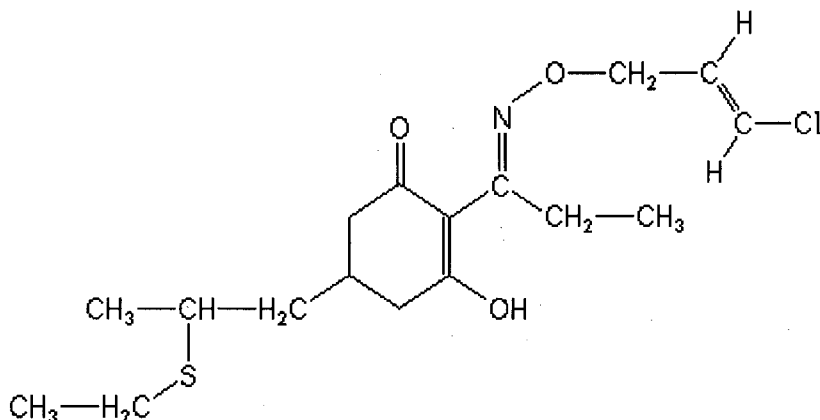
Analyte: Clethodim

CAS No.: 99129-21-2

Formula: C₁₇H₂₆ClNO₃S

Molecular mass (lowest isotopes): 359,13 amu

Structure:



Ionisation: ESI -

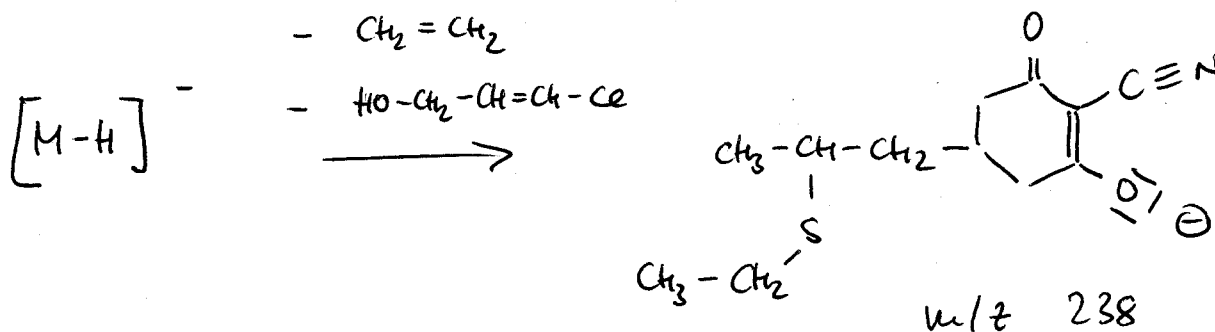
Quasimolecular ion: 358,1 amu = [M-H]⁻

Analyte sensitive parameter set (API 2000)

Transition	358,1 → 238,1	no → no
Declustering potential (DP) ^{*)}	-66V	-66 V
Focusing potential (FP)	-350 V	V
Entrance potential (EP)	-10,0 V	V
Collision cell entrance potential (CEP)	-30 V	V
Collision energy (CE)	-30 V	V
Collision cell exit potential (CXP)	-14 V	V

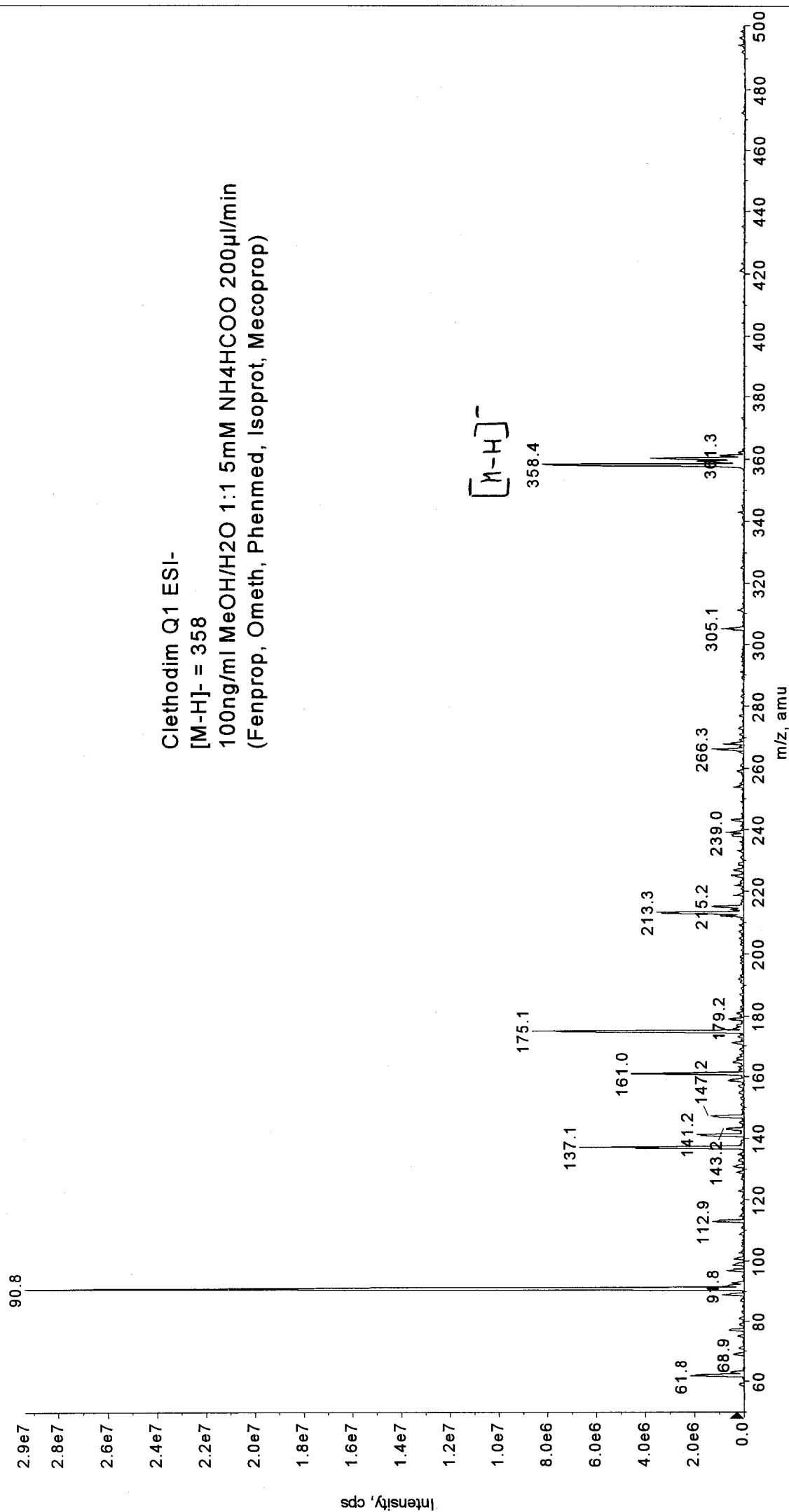
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



Q1: 30 MCA scans from Sample 1 of MT20020125130342.wiff

Max 2.9e7 cps



-Product (358.0): 30 MCA scans from Sample 1 of MT20020125130638.wiff

Max 3.6e5 cps

