

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

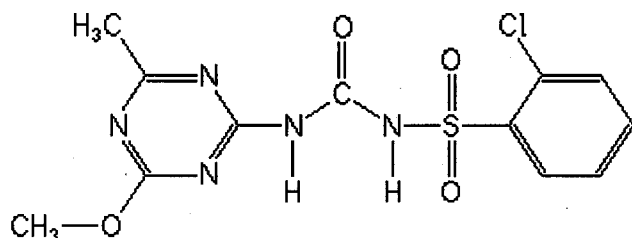
Analyte: Chlorsulfuron

CAS No.: 64902-72-3

Formula: C₁₂H₁₂ClN₅O₄S

Molecular mass (lowest isotopes): 357,03 amu

Structure:



Ionisation: ESI +

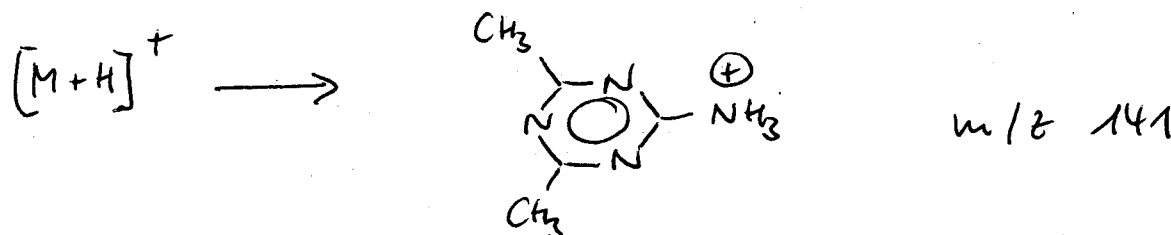
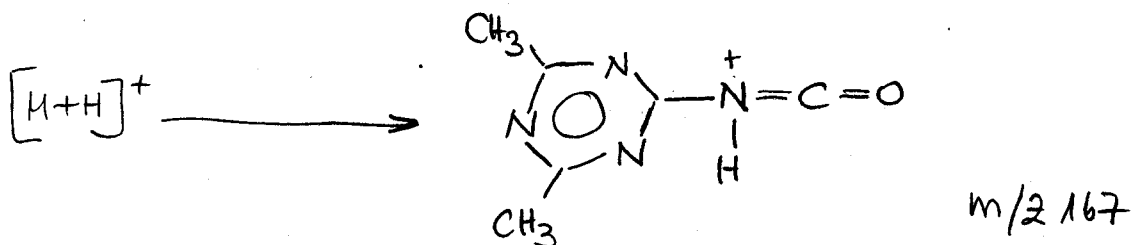
Quasimolecular ion: 358,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

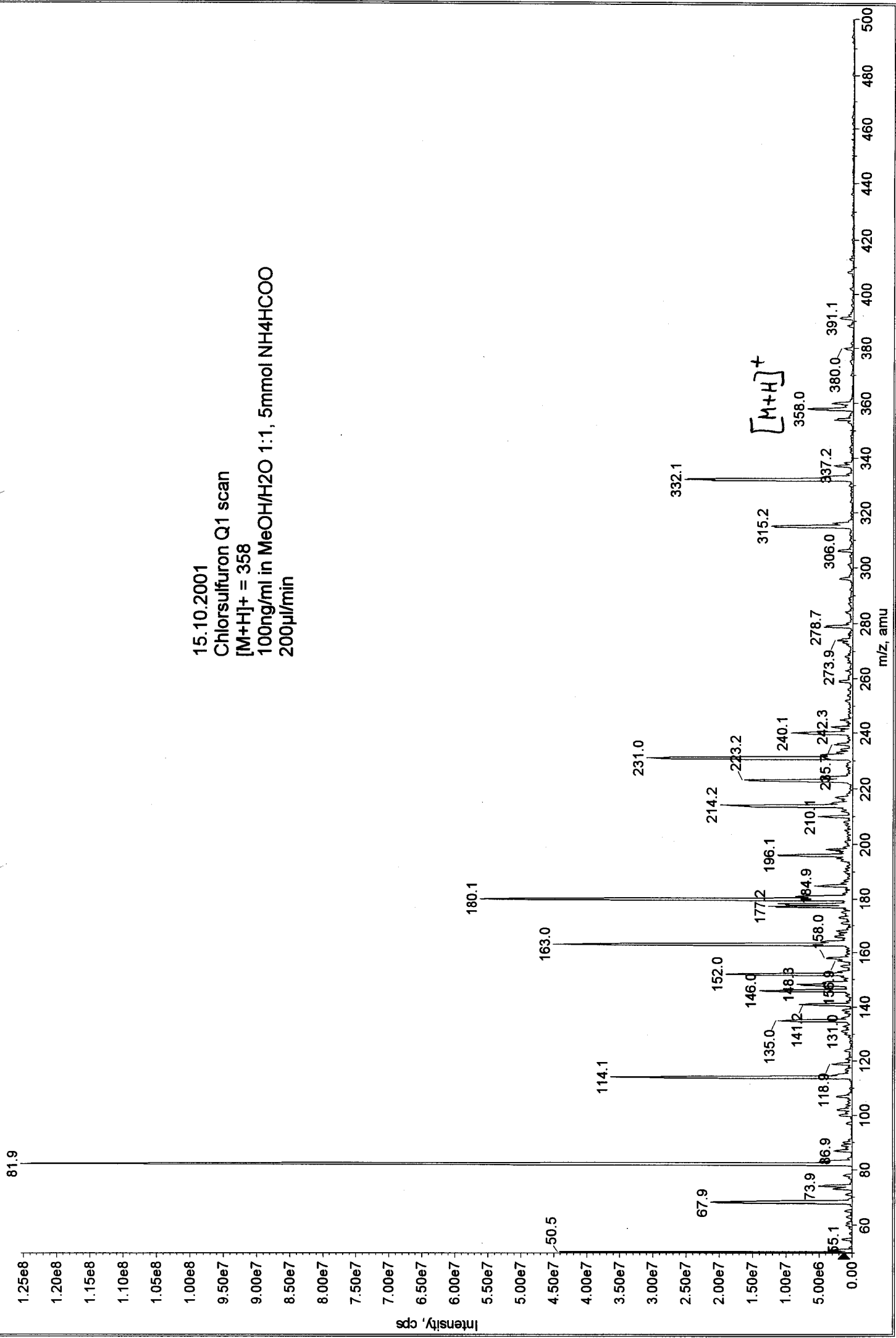
Transition	358,0 → 141,0	358,0 → 167,0
Declustering potential (DP) ^{*)}	51 V	51 V
Focusing potential (FP)	330 V	340 V
Entrance potential (EP)	10,0 V	9,5 V
Collision cell entrance potential (CEP)	22 V	24 V
Collision energy (CE)	23 V	25 V
Collision cell exit potential (CXP)	6 V	8 V

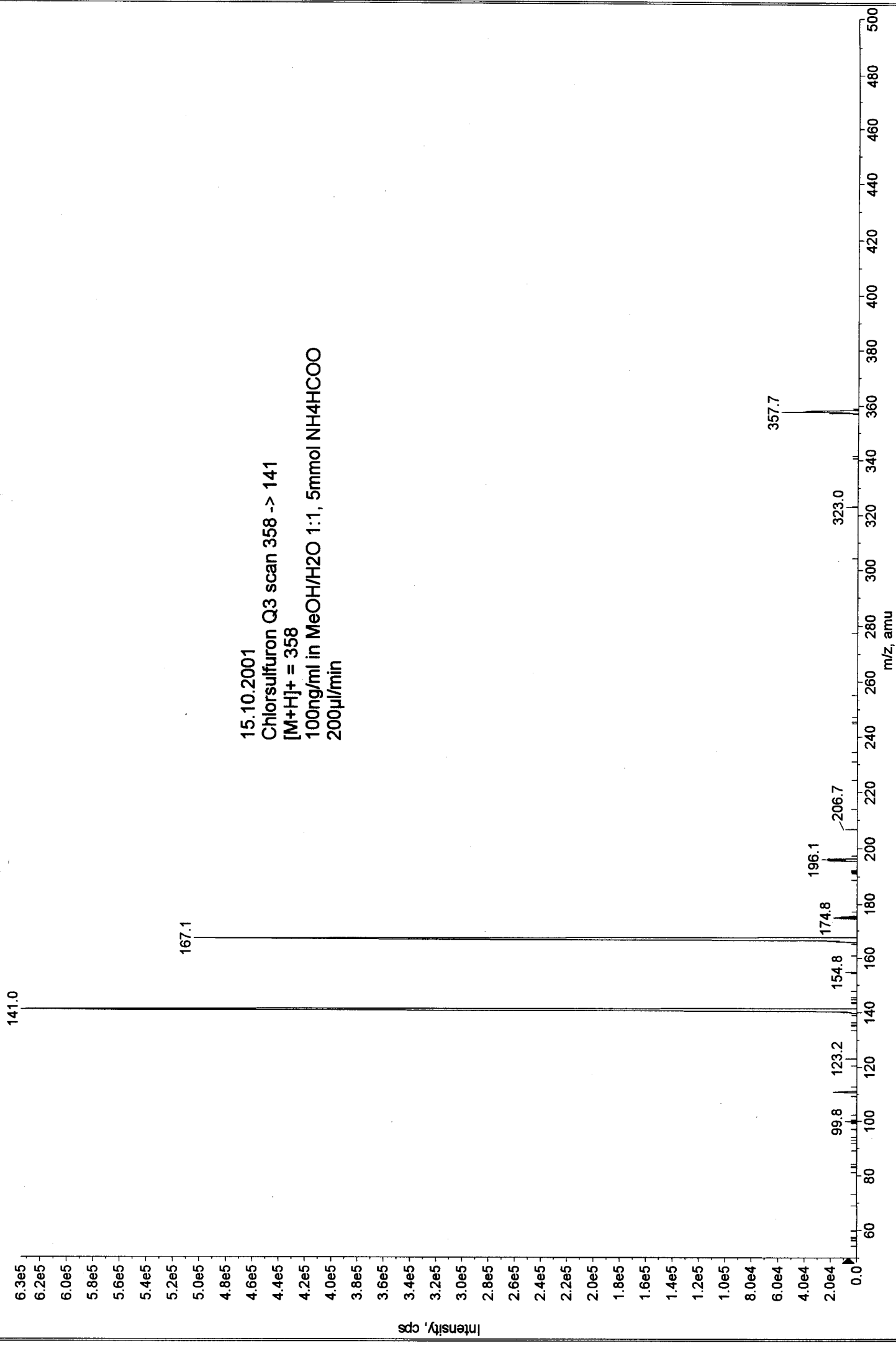
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

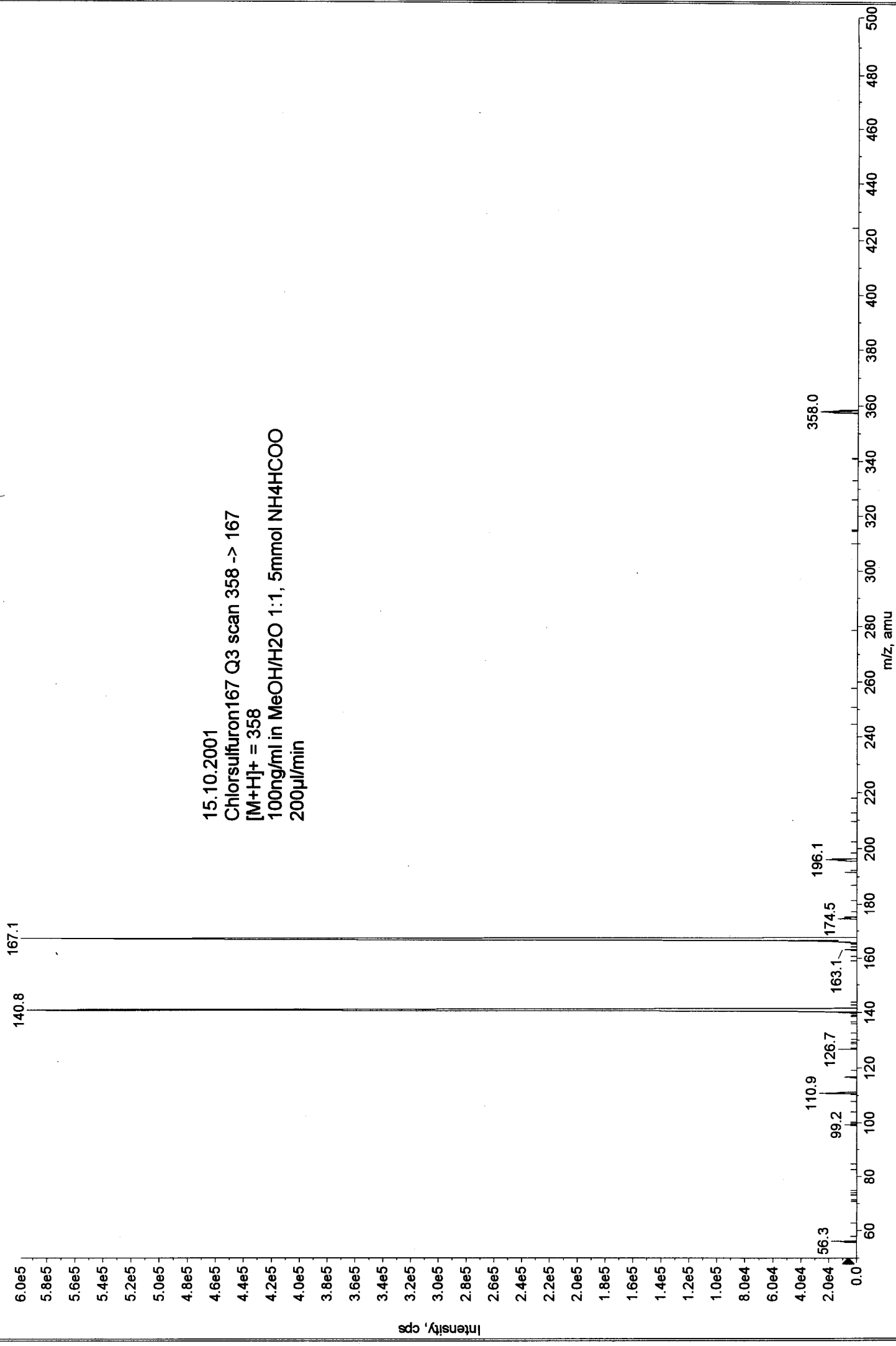


15.10.2001
Chlorsulfuron Q1 scan
[M+H]⁺ = 358
100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
200µl/min





15.10.2001
Chlorsulfuron Q3 scan 358 -> 141
[M+H]⁺ = 358
100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
200µl/min



15.10.2001
Chlorsulfuron167 Q3 scan 358 -> 167
[M+H]⁺ = 358
100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
200µl/min