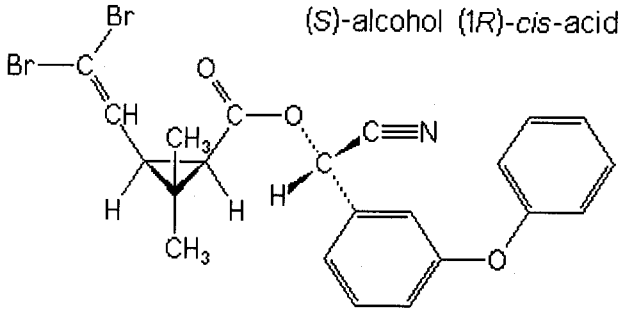
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Deltamethrin

CAS No.: 52918-63-5
Formula: C22H19Br2NO3
Molecular mass (lowest isotopes): 502,97 amu

Structure:



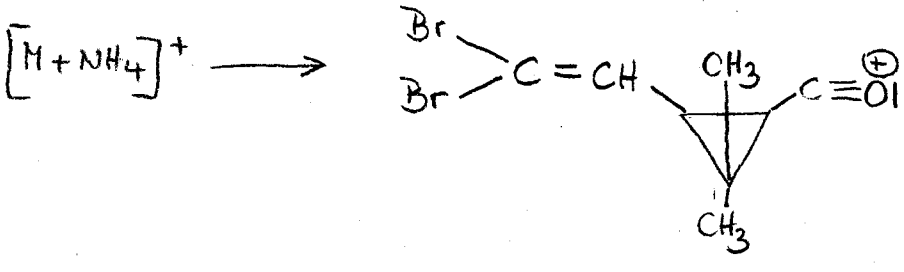
Ionisation: ESI + Quasimolecular ion: 522,9 amu = [M+NH4]+

Analyte sensitive parameter set (API 2000)

Transition	522,9 → 280,7	522,9 → 181,3
Declustering potential (DP)*)	16 V	16 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,5 V	9,5 V
Collision cell entrance potential (CEP)	24 V	24 V
Collision energy (CE)	23 V	51 V
Collision cell exit potential (CXP)	16 V	8 V

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

Fragmentation



m/z 281 / 283

[M+NH4]+ → m/z 181 ?

Printing Time: 10:32:48
Printing Date: Thursday, July 22, 2004

Acq. Time: 10:31
Acq. Date: Thursday, July 22, 2004
Acq. File: MT20040722103114.wiff

Sample Comment:
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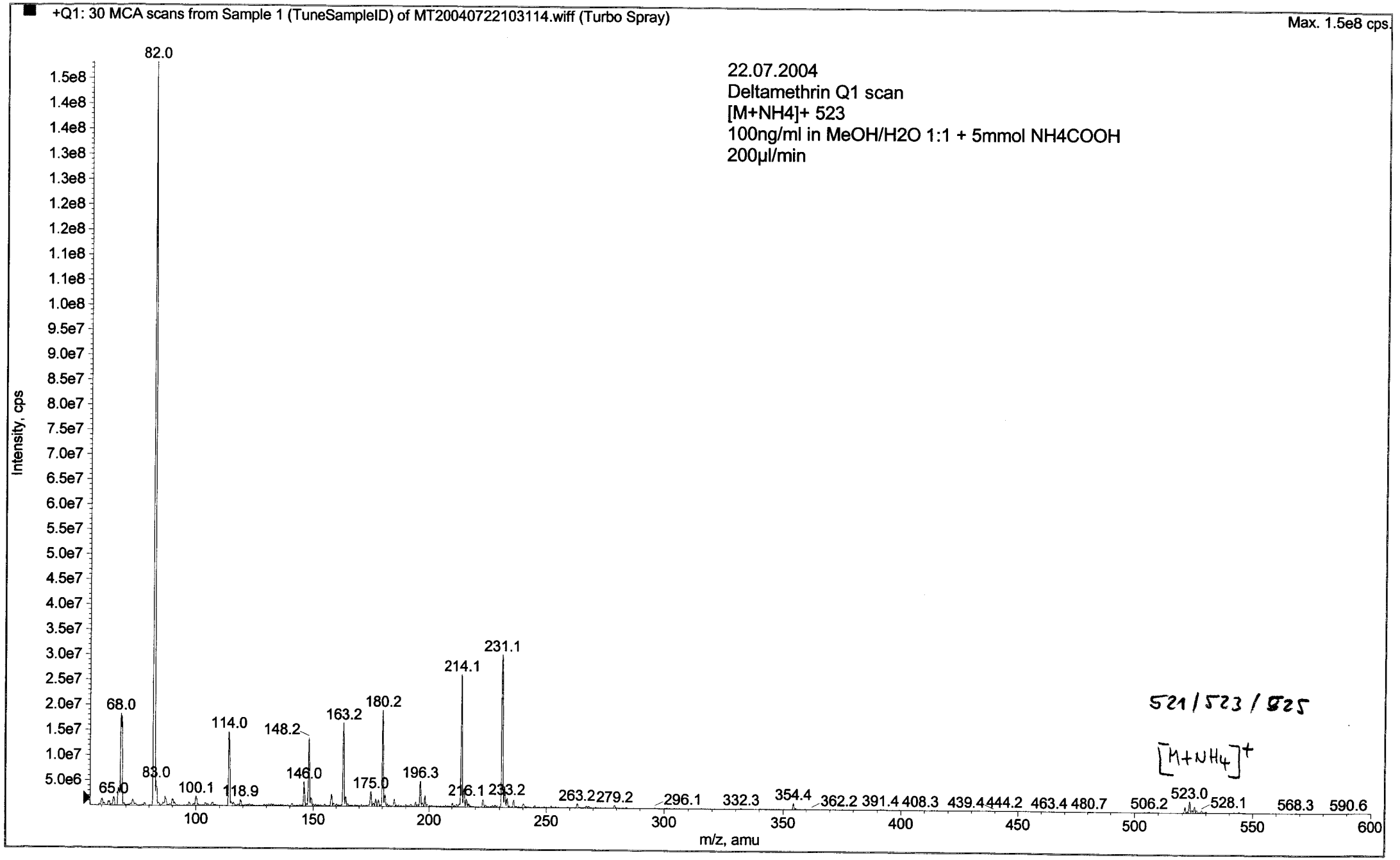
Batch Name: ManualTune.bat



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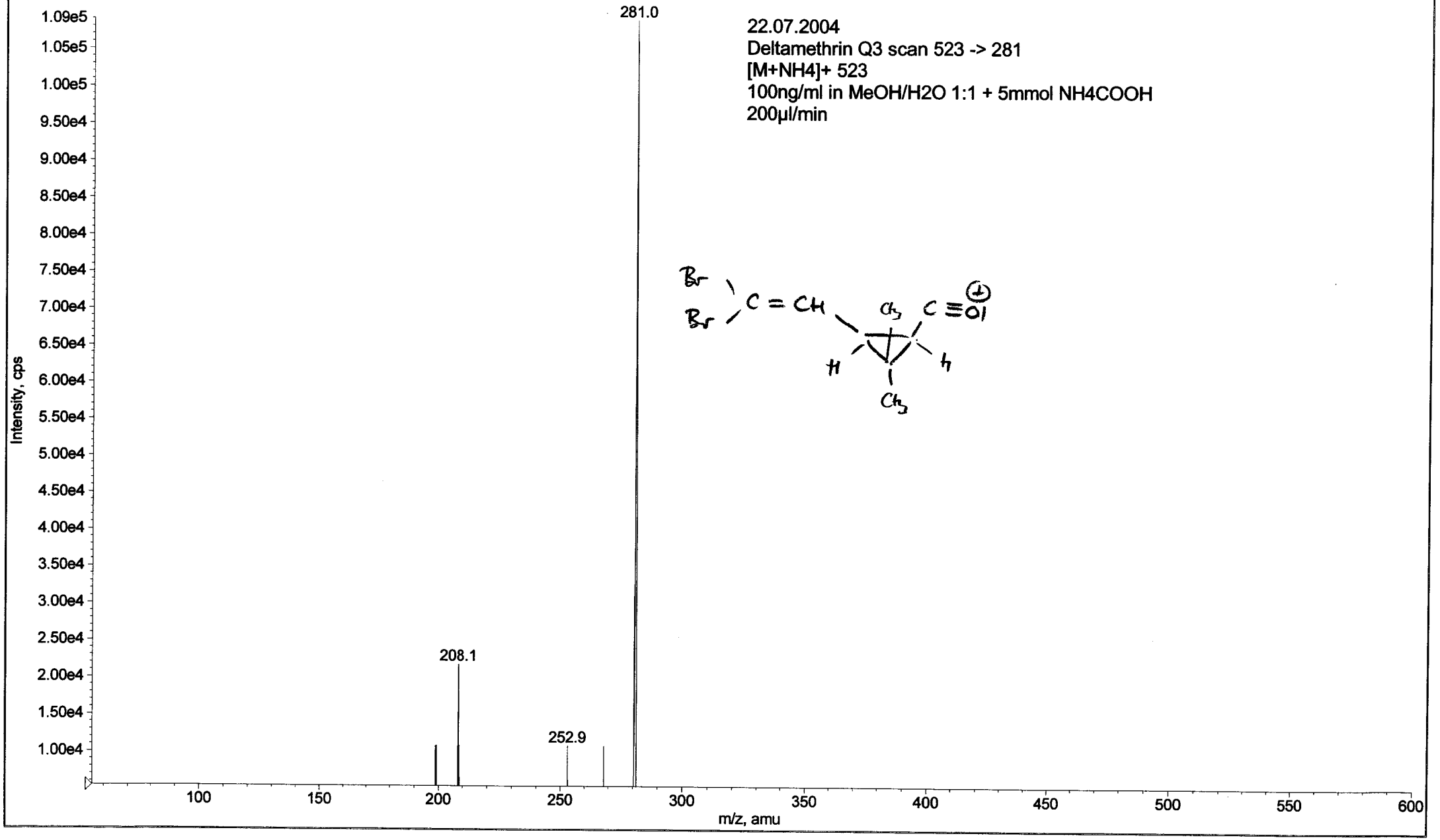
Printing Date: Thursday, July 22, 2004

Acq. Time: 10:33
Acq. Date: Thursday, July 22, 2004
Acq. File: MT20040722103347.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

+MS2 (523.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722103347.wiff (Turbo Spray)

Max. 1.1e5 cps.



Printing Time: 11:08:24
Printing Date: Thursday, July 22, 2004

Acq. Time: 11:06
Acq. Date: Thursday, July 22, 2004
Acq. File: MT20040722110656.wiff

Sample Comment:
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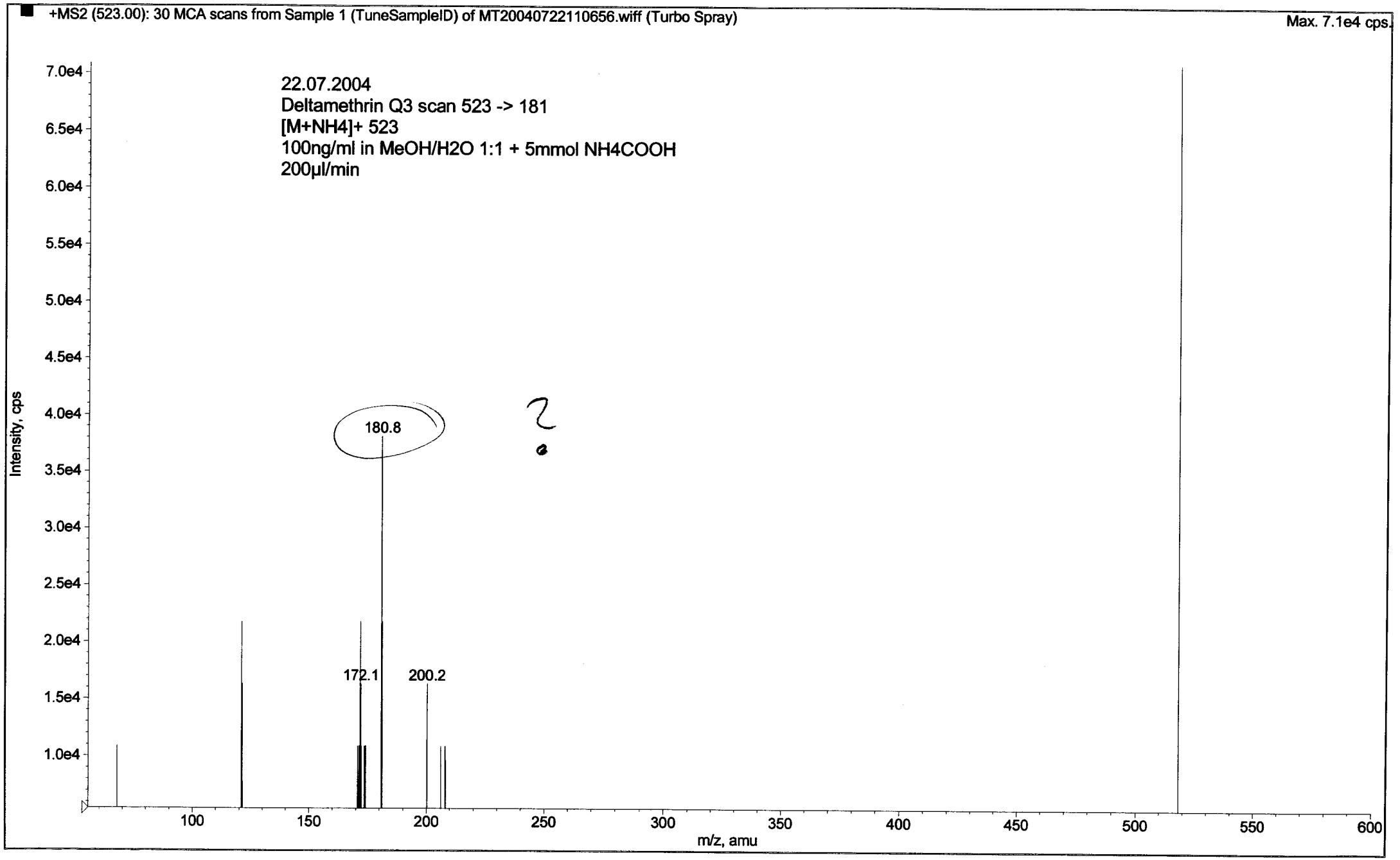
Batch Name: ManualTune.bat



Printing Time: 10:37:41
Printing Date: Thursday, July 22, 2004

Acq. Time: 10:36
Acq. te: Thursday, July 22, 2004
Acq. ..le: MT20040722103648.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat