

Analytical Report

Sample ID	750 - Analysis Service - A0021
Expected	Diclazafone Desglycyl HCl
Sample adulterated?	Yes (minor)
Sample Appearance	
Sample type	Research Chemical -
Date of sample receipt	Dec-04-2023
Date of analysis	Dec-04-2023
Date of Report	Dec-04-2023

Qualitative and Quantitative Results

Substances identified	Purity / Quantity	Harm Reduction information	Chemical Class	Pubchem ID	analytical techniques used	
					Identification	Quantification
Diclazafone-Desglycyl HCl	89 % * n.d.	https://psychonautwiki.org/wiki/Diclazafone-Desg	Benzodiazepine	N/A	NMR	NMR

Comment: Diclazafone-Desglycyl is a prodrug for **Delorazepam** which forms via a ring closure. This reaction normally happens in an organism after the intake but can also spontaneously occur in any aqueous (acidic) solution. In our LCMS analysis we use formic acid as a mobile phase modifier, which is why we only detected Delorazepam. In our 1H and 13C NMR analysis the sample has been dissolved in DMSO-d6 and its "open" form could be confirmed. The sample indeed is Diclazafone-Desglycyl-HCl

* uncertainty of measurement +/- 5 %

**The Analysis Report is not a warranty or advertisement for the quality of any supplier or product!
We do not claim nor make any guarantees or recommendations regarding the safety of the analysed samples for human consumption.**

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Detailed information regarding our workflow including a full description of the analytical methods applied

is freely available under <https://www.kykeonanalytics.com/services/users/>

Attachments: FTIR Spectrum
1H NMR Spectrum
LCMS Detailed report



KYKEON
ANALYTICS

#750_Diclazafone-Desglycyl HCl

Purity: 89 %

Internal STD: TMB

2023-11-30T16:46:06+0100

NMReady 100/nanalysis-oc162

DMSO-d6

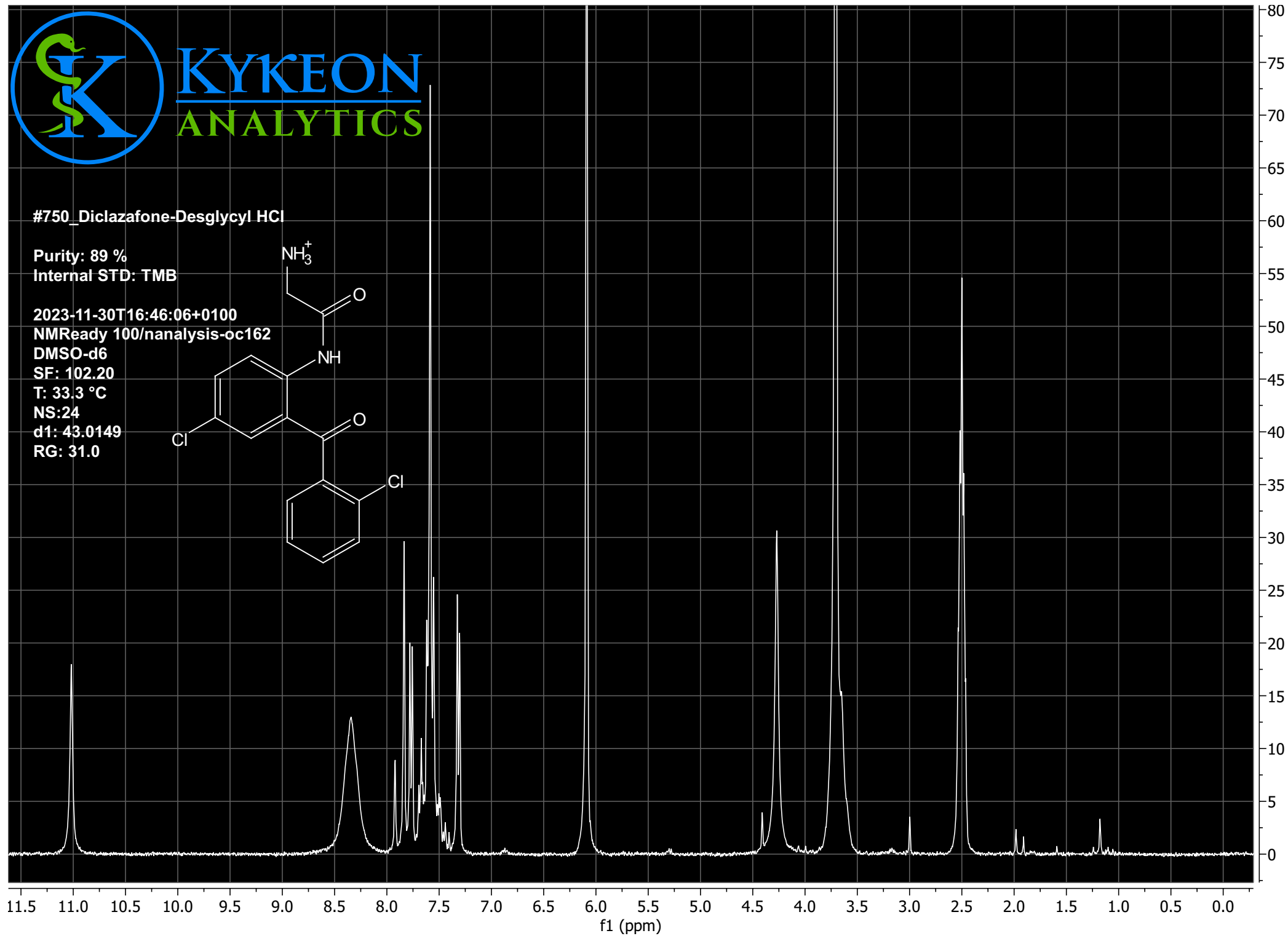
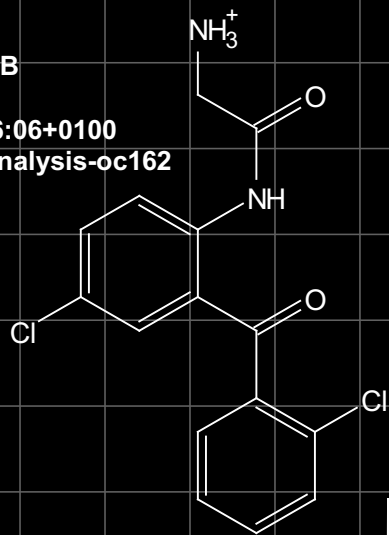
SF: 102.20

T: 33.3 °C

NS:24

d1: 43.0149

RG: 31.0



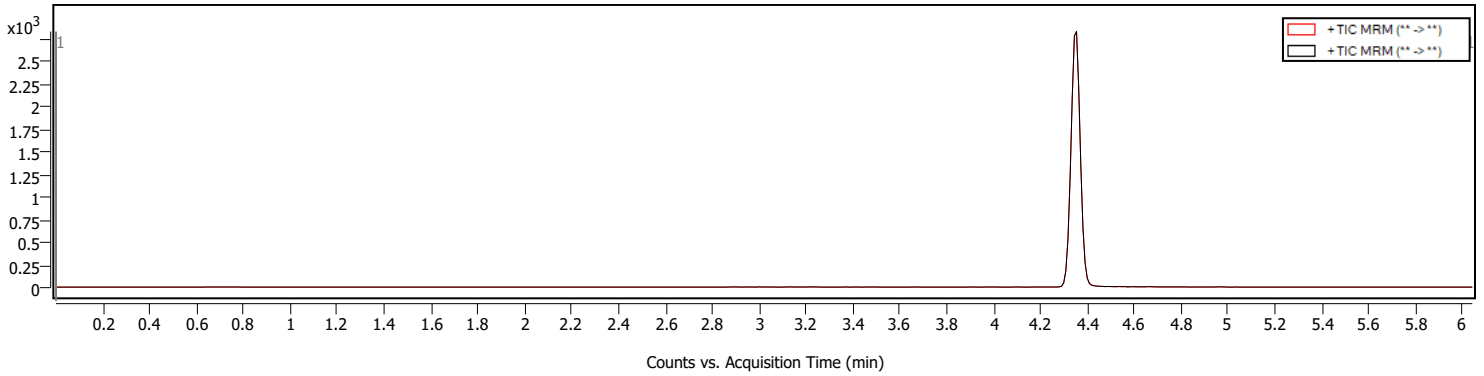
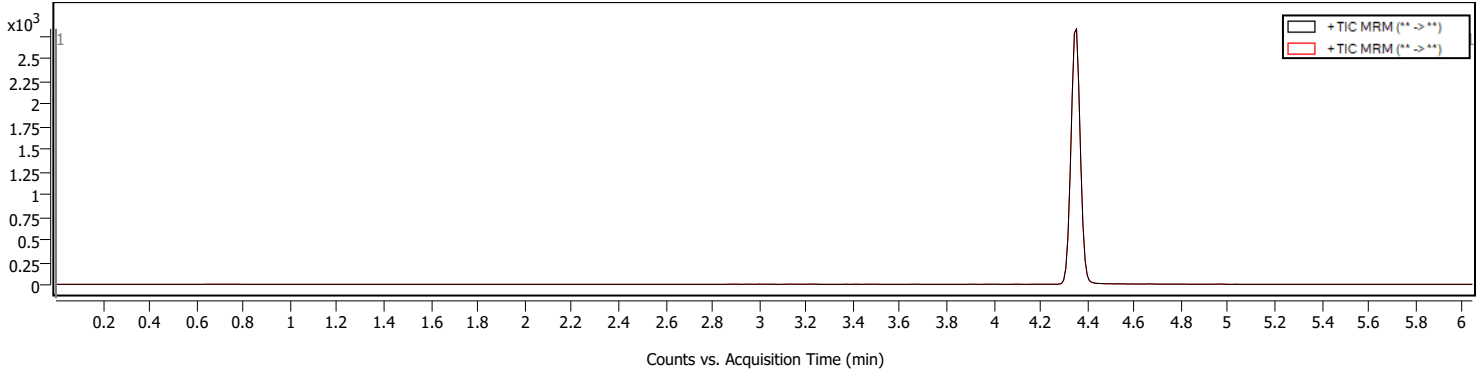
Qualitative Analysis Report



Sample Information

Name	750_Diclazafone_Desglycyl	Data File Path	D:\Kykeon\Data\2023\11-29\750_Diclazafone_Desglycyl-MRM4.d
Sample ID		Acq. Time (Local)	11/30/2023 3:22:19 PM (UTC+01:00)
Instrument	Instrument 1	Method Path (Acq)	D:\Kykeon\methods\MRM-6minNormalC18-diclazafonedesglycyl.m
MS Type	QQQ	Version (Acq SW)	Ultivo LC/TQ C.01.00 (B1677.1 SR1)
Inj. Vol. (ul)	1	IRM Status	
Position	P1-F7	Method Path (DA)	D:\Kykeon\methods\ReportWorkflowMethod-MRM.m
Operator		Result Summary	3 qualified (3 targets)

Sample Chromatograms



Compound Summary

Cpd	Name	Formula	Mass	RT	Area	m/z	Algorithm
1	Diclazafone Desglycyl			Not Detected	-	-	MRM
2	Diclazepam			Not Detected	-	-	MRM
3	Delorazepam			4.361	5005	305.0	MRM

Qualitative Analysis Report

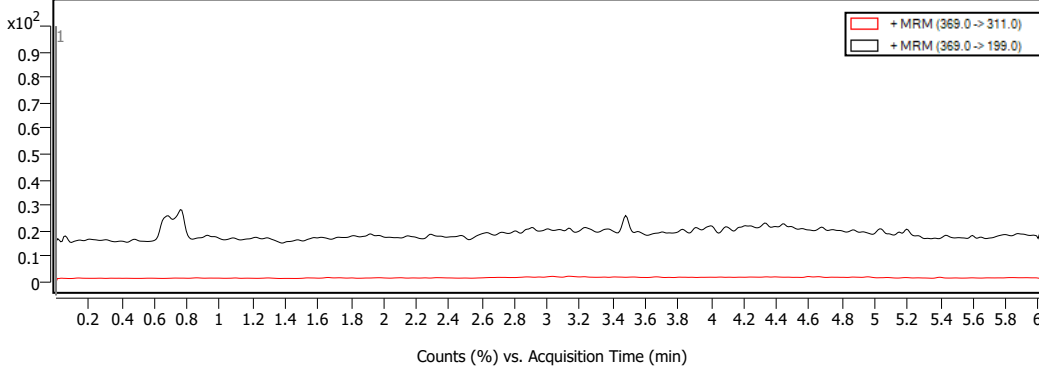


Compound Details

Cpd. 1: Diclazafone Desglycyl

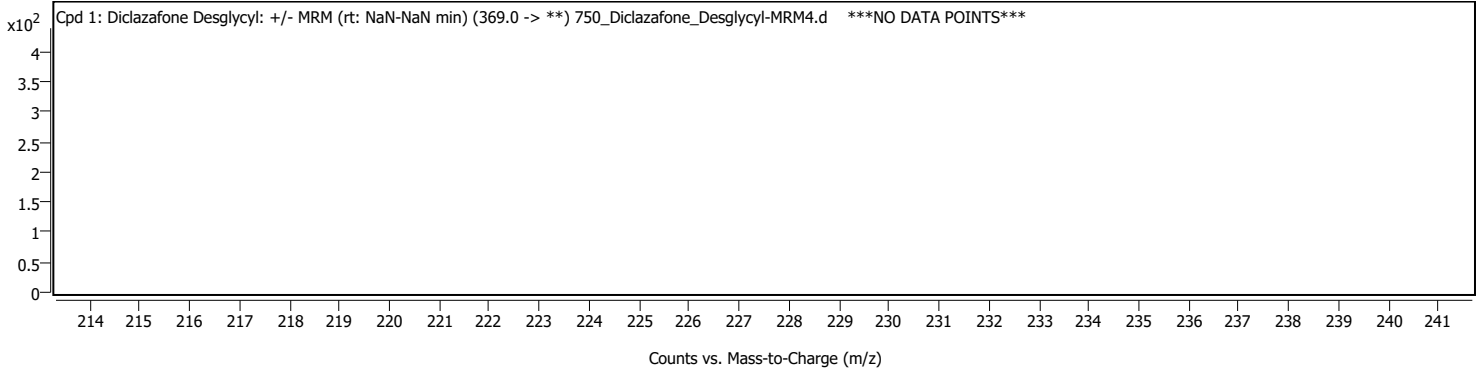
Name	Formula	Mass	RT	Area	m/z	m/z (primary prod.)	CE	FV	Algorithm
Diclazafone Desglycyl			Not Detected	-	369.0	311.0	20.00		MRM

Compound Chromatograms (overlaid)



Structure

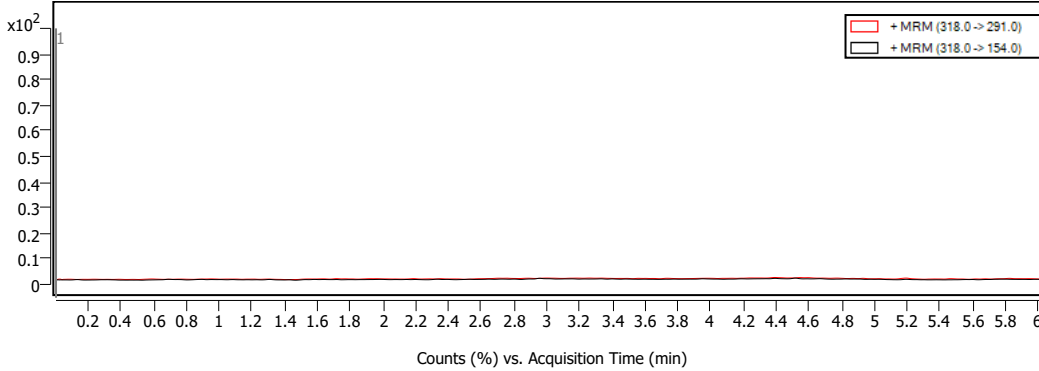
MS/MS Spectra



Cpd. 2: Diclazepam

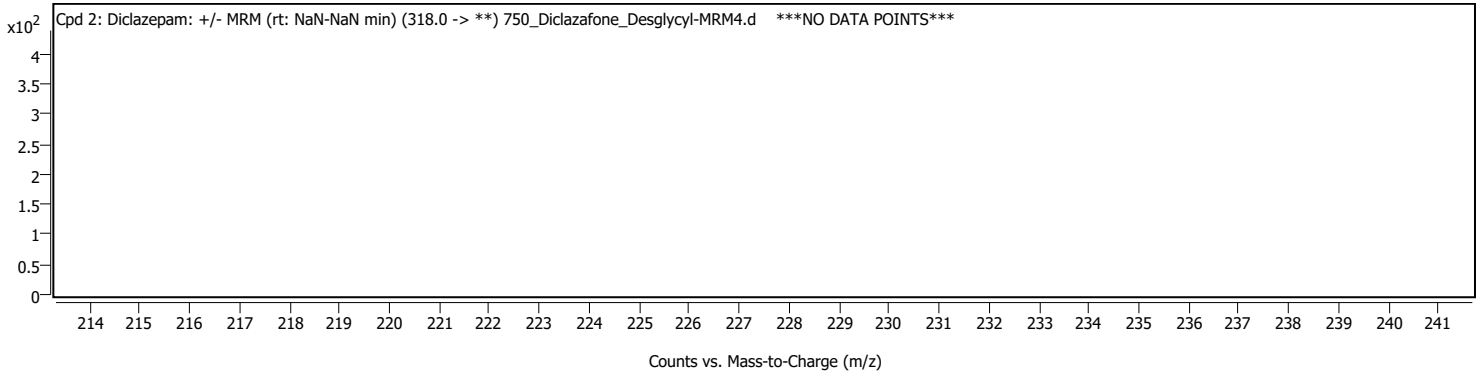
Name	Formula	Mass	RT	Area	m/z	m/z (primary prod.)	CE	FV	Algorithm
Diclazepam			Not Detected	-	318.0	291.0	10.00		MRM

Compound Chromatograms (overlaid)



Structure

MS/MS Spectra



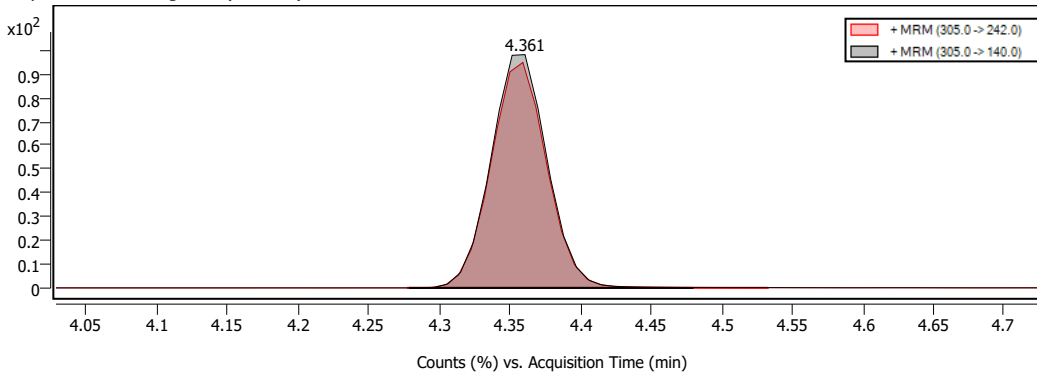
Cpd. 3: Delorazepam

Name	Formula	Mass	RT	Area	m/z	m/z (primary prod.)	CE	FV	Algorithm
Delorazepam			4.361	5005	305.0	140.0	10.00		MRM

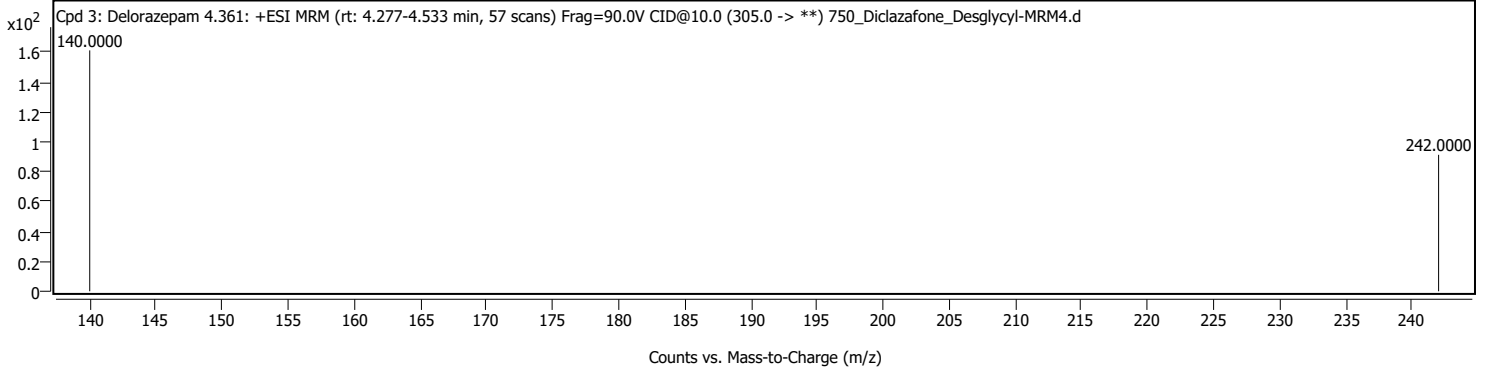
Qualitative Analysis Report

Compound Chromatograms (overlaid)

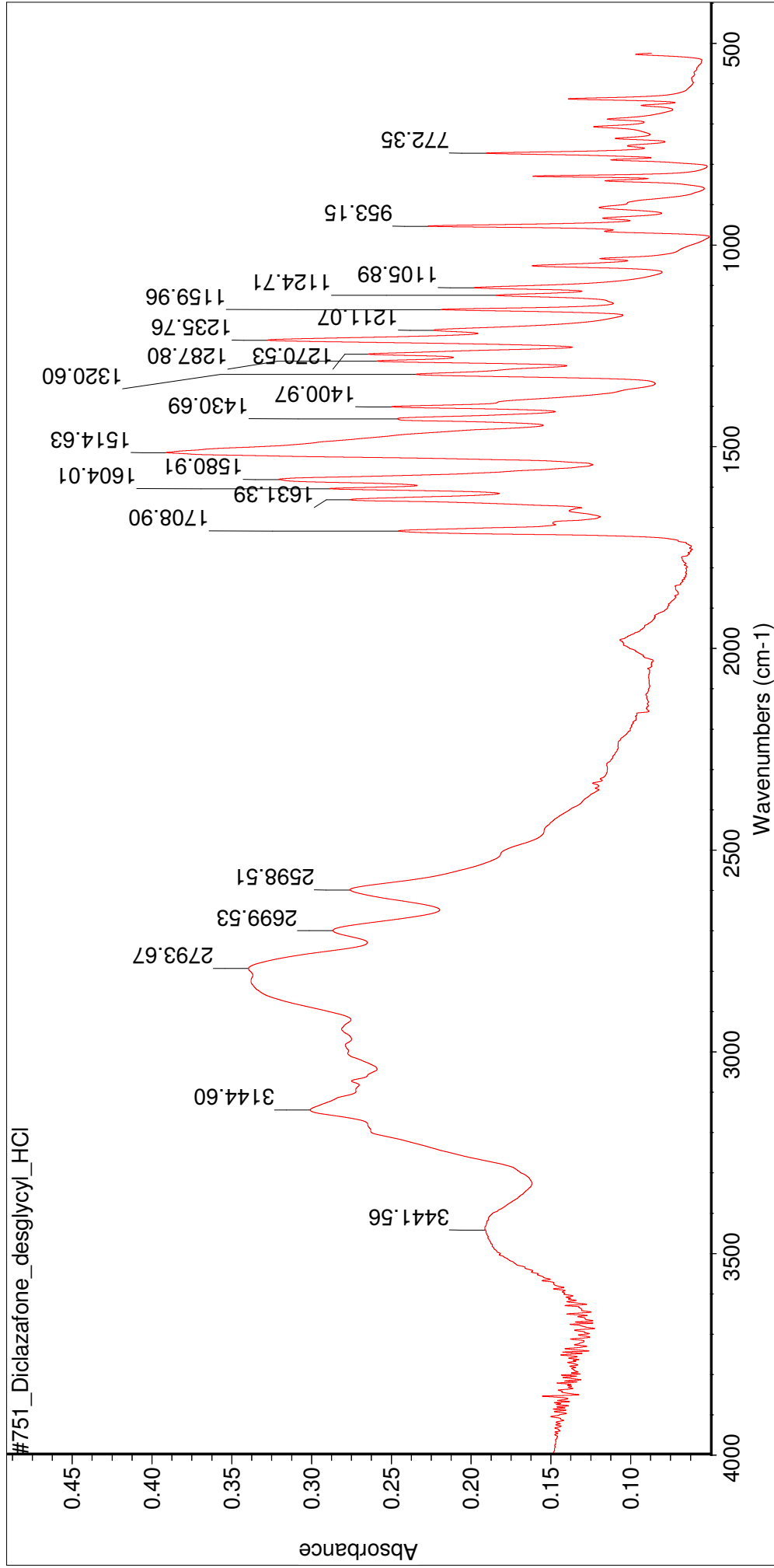
Structure



MS/MS Spectra



MassHunter Qual 10.0
(End of Report)



Wed Nov 29 15:16:38 2023 (GMT+01:00)

FIND PEAKS:

Spectrum: #751_Diclazafone_desglycylic_HCl

Region: 4000.00 400.00

Absolute threshold: 0.167

Sensitivity: 50

Peak list:

Position:	Intensity:
772.35	0.191
953.15	0.228
1105.89	0.198
1124.71	0.184
1159.96	0.219
1211.07	0.223
1235.76	0.328

Position:	1270.53	Intensity:	0.265
Position:	1287.80	Intensity:	0.260
Position:	1320.60	Intensity:	0.235
Position:	1400.97	Intensity:	0.250
Position:	1430.69	Intensity:	0.246
Position:	1514.63	Intensity:	0.391
Position:	1580.91	Intensity:	0.321
Position:	1604.01	Intensity:	0.289
Position:	1631.39	Intensity:	0.276
Position:	1708.90	Intensity:	0.246
Position:	2598.51	Intensity:	0.276
Position:	2699.53	Intensity:	0.286
Position:	2793.67	Intensity:	0.339
Position:	3144.60	Intensity:	0.301
Position:	3441.56	Intensity:	0.191