



TEST REPORT

TR D-20260814S6666

Authentication Code:

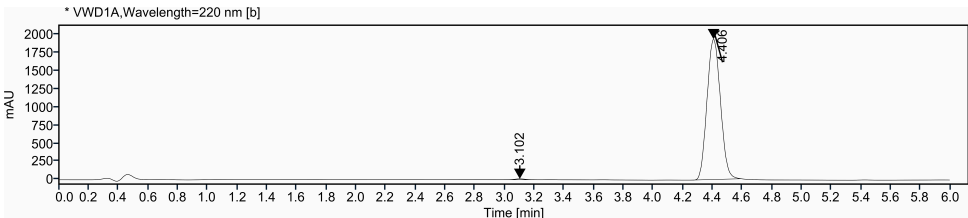
Sample Received: 2026-08-14

Analysis date: 2026-08-14

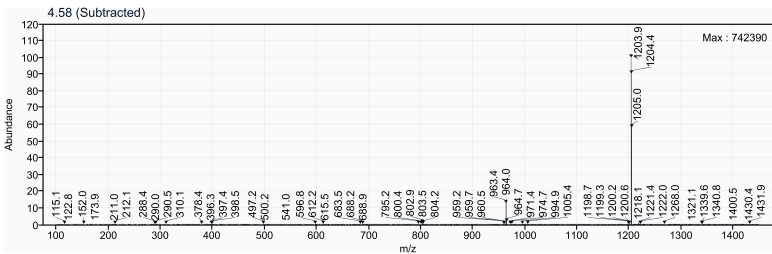


Compound	TR D/Tirzepatide	CAS Number	2023788-19-2
Formula	C ₂₂₅ H ₃₄₈ N ₄₈ O ₆₈	Molecular Weight	4813.45
Manufacturer	N/A		

HPLC-MS Details:



Signal: * VWD1A,Wavelength=220 nm [b]					
RT [min]	Type	Width [min]	Area	Height	Area%
3.102	MM m	0.2031	61.1310	12.4003	0.4985
4.406	MM m	0.3430	12202.7897	1940.6432	99.5015
Sum			12263.9207		



Result:

Test Items	Specification	Results
Appearance	White to off-white powder	White powder
Purity (LCMS/HPLC)	≥ 99.0%	99.50%
Mass Spectrum	Conforms to [M-4H] ⁴⁻	Detected
Peptide Weight	61.59 mg	

Peng Gao

Zhibo Li

Peng Gao, Data Compilation

Zhibo Li, Technical Review

重要声明 / Important Notice

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LCMS Sample Purity - Detailed Report



Result set name: SingleSample

Data file: TR D.dx

Sample name: TR D

Instrument: LCMS

Inj. volume: 5.000 µL

Acq. method: LCMS-02AB.amx

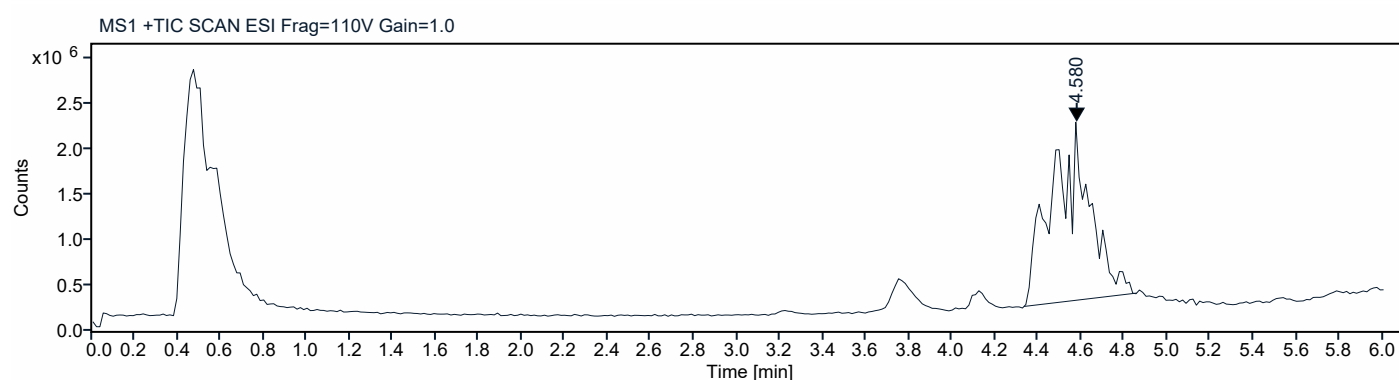
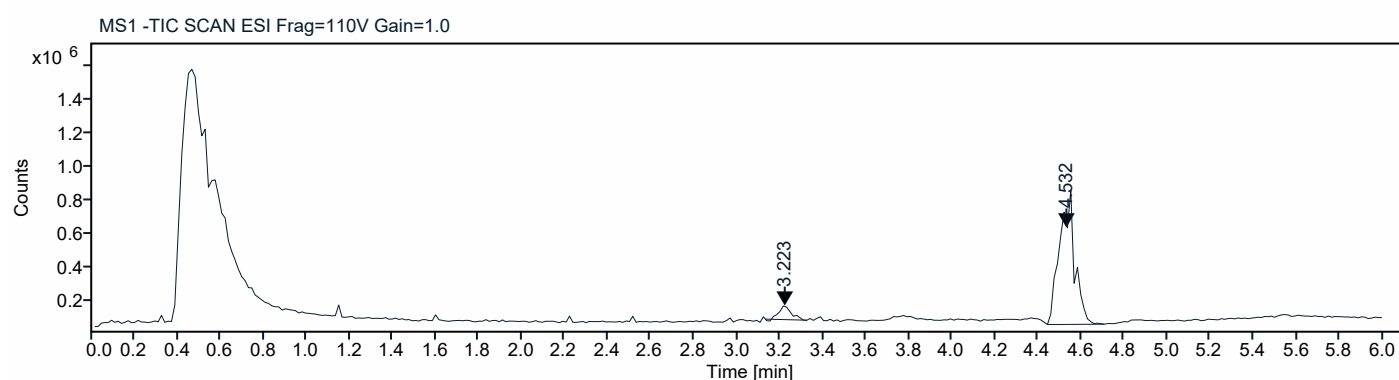
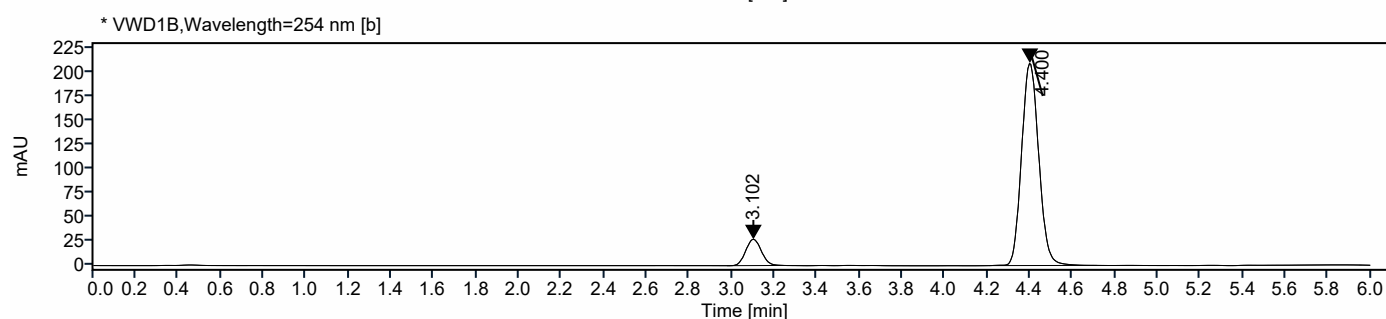
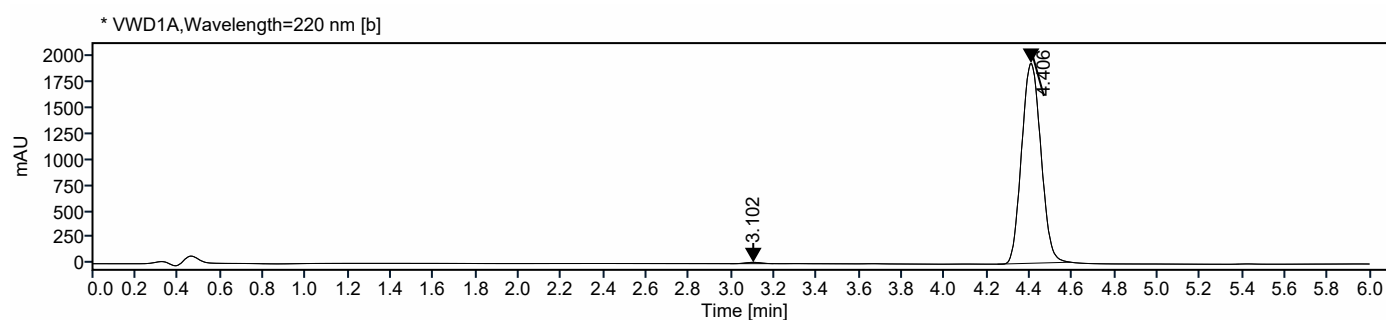
Processing method: *LCMS-LJJ.pmx

Project name: 2026

Operator: admin

Acquired on: 2026-08-14 15:29:47+08:00

Location: P2-D3



Signal: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

RT [min]	Type	Width [min]	Area	Height	Area%
4.580	MM m	0.5238	24302033.84 95	1956526.93 31	100.0000
Sum			24302033.84 95		

Signal: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

RT [min]	Type	Width [min]	Area	Height	Area%
3.223	MM m	0.1937	319286.5177	82989.8632	7.5393
4.532	BB	0.2641	3915683.74 99	578040.8278	92.4607
Sum			4234970.26 76		

Signal: * VWD1A,Wavelength=220 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
3.102	MM m	0.2031	61.1310	12.4003	0.4985
4.406	MM m	0.3430	12202.7897	1940.6432	99.5015
Sum			12263.9207		

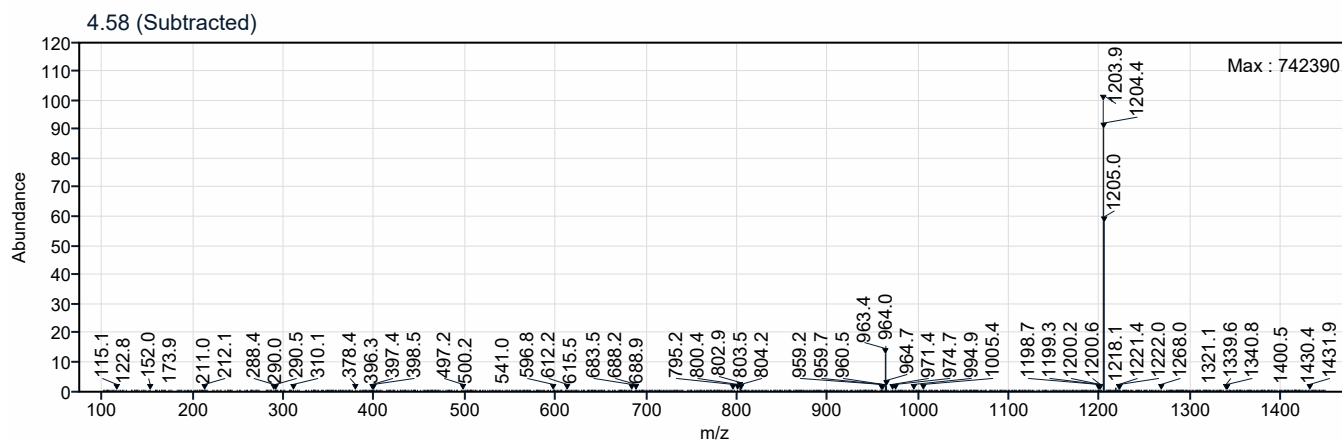
Signal: * VWD1B,Wavelength=254 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
3.102	BM m	0.2670	138.9722	27.2625	10.5569
4.400	MM m	0.5055	1177.4384	210.3936	89.4431
Sum			1316.4106		

Peak Details (Area Percent at least 1%)

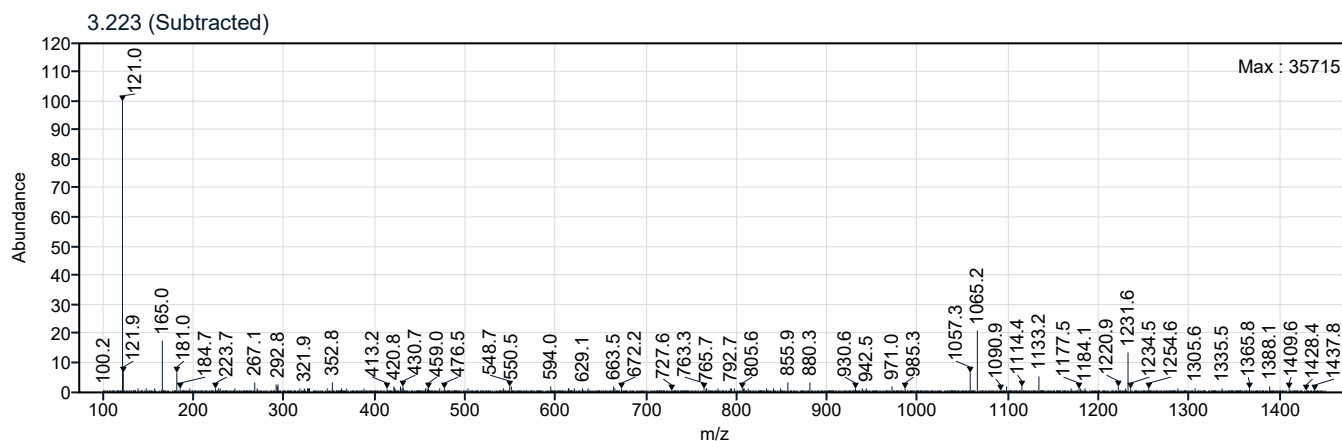
Signal Description: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

Peak RT: 4.580 min **Area %:** 100.00%



Signal Description: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

Peak RT: 3.223 min **Area %:** 7.54%



LCMS Sample Purity - Detailed Report



Peak RT: 4.532 min

Area %: 92.46%

