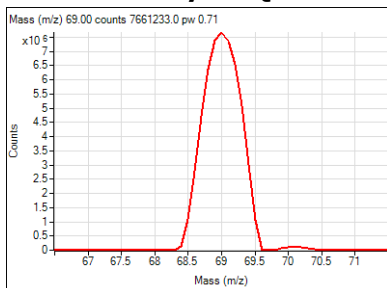


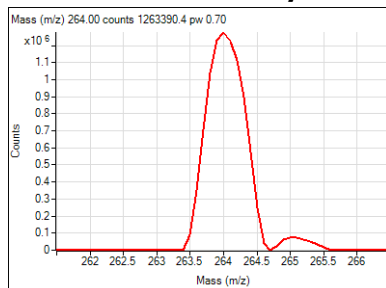
Triple Quadrupole GC/MS Autotune Report

Instrument Name	GCQQ / US1622V104	MS Model	7010
Tune Date & Time	5/11/2023 2:26:41 PM	Source	EI High Efficiency
Tune File	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

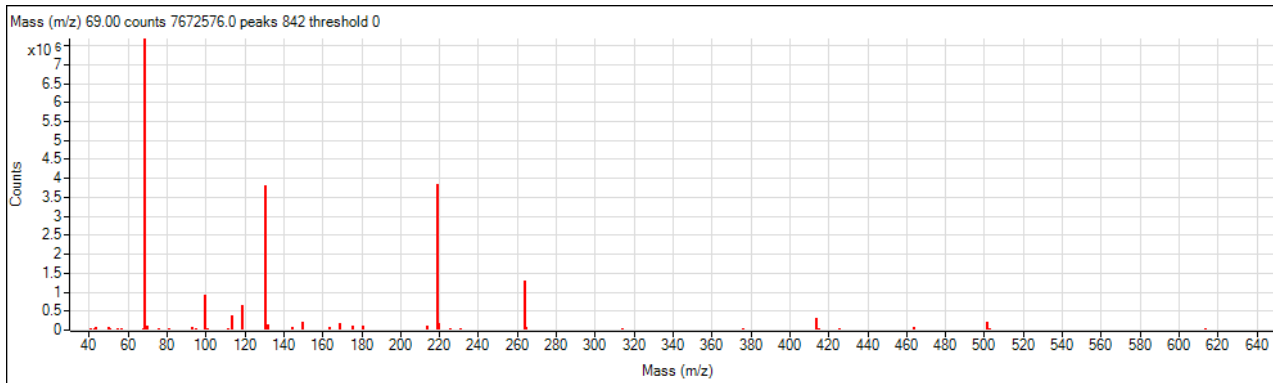
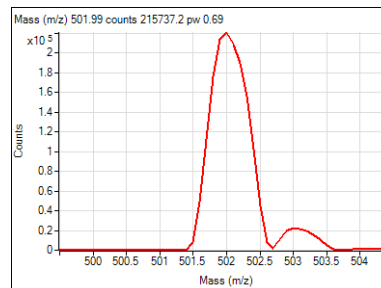
Analyzer: Q1



Ion Polarity: Positive

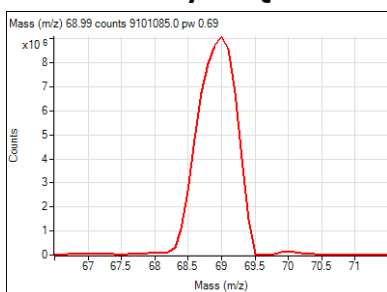


Width: Unit

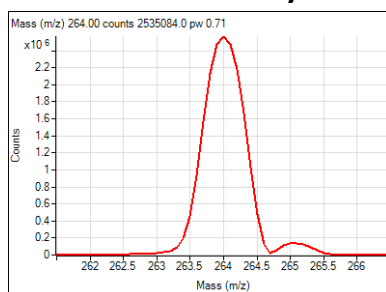


m/z	Abundance	Rel Abund	Isotope	Iso Abund	Iso Ratio
69.00	7672576.0	100.0%	70.10	94574.6	1.2%
219.00	3837365.3	50.0%	220.00	168003.3	4.4%
264.00	1295653.1	16.9%	265.00	74215.6	5.7%
414.00	298182.5	3.9%	415.00	26487.4	8.9%
502.00	204945.4	2.7%	503.00	19902.9	9.7%

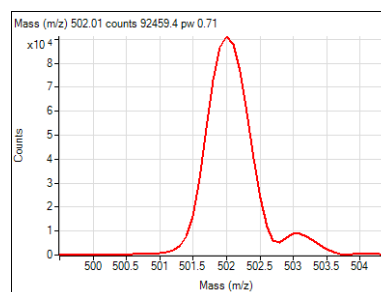
Analyzer: Q2



Ion Polarity: Positive



Width: Unit



Triple Quadrupole GC/MS Autotune Report

Instrument Name	GCQQQ / US1622V104	MS Model	7010
Tune Date & Time	5/11/2023 2:26:41 PM	Source	EI High Efficiency
Tune File	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

Instrument Actuals

Source Temp.	270 °C	Rough Vac	1.34E+2 mTorr
MS1 Quad Temp.	150 °C	High Vac	5.55E-5 Torr
MS2 Quad Temp.	150 °C	Turbo 1 Speed	100.0 %
Filament Current	100.5 µA	Turbo 1 Power	21.2 W

Ion Source

Type/mode	EI+	Repeller	4.8 V
Source Temp.	270 °C	Ion Body	6.4 V
Emission	100.0 µA	Extractor	Dynamic V
Energy	70 eV	Post Extractor 1 Offset	-20.8 V
Filament	1	Post Extractor 2	-38.5 V
		Ion Focus	-214.0 V
		Entrance Lens	Dynamic V

Quadrupoles

		Q1	Q2
DC		4.2 V	-6.8 V
Post/Pre Filter		4.2 V	-16.8 V
Temperature		150 °C	150 °C
Polarity		Positive	Negative
DIP Mass	100.00	1000.00 m/z	100.00 1000.00 m/z
DIP Value	4.8	64.1 %	5.5 65.5 %

Resolution	Unit	Wide	Widest	Unit	Wide	Widest
Mass Gain	-0.83	-1.20	-1.28	0.29	0.09	0.10
Mass Offset	Dynamic	-1.660	-1.195	Dynamic	-1.697	-1.285
Width Gain	17.9	17.9	17.9	23.0	23.0	23.0
Width Offset	Dynamic	-0.229	-0.749	Dynamic	-0.184	-0.704

Collision Cell

		Detector
Cell Entrance	5.2 V	Detector Type Triple Axis Series 2
Hex DC	4.2 V	Iris Dynamic V
Hex RF	400 V	HED -10.0 kV
Hex Accel	-5.0 V	EMV (Gain=1.0E+004) 1072 V
Cell Exit	-1.8 V	Gain Parameter a 11.7638
Collision Energy	0 eV	Gain Parameter b -72.87046
		Max Gain Factor 18069

Fast Scan

Fast Scan Offset	-4.0 V	
Q1 Mass Gain	15.65	Q2 Mass Gain 5.45
Q1 Mass Offset	0.805	Q2 Mass Offset -1.464
Q1 Width Gain	17.9	Q2 Width Gain 24.2
Q1 Width Offset	-0.749	Q2 Width Offset -0.635

Triple Quadrupole GC/MS Autotune Report

Instrument Name	GCQQQ / US1622V104	MS Model	7010
Tune Date & Time	5/11/2023 2:26:41 PM	Source	EI High Efficiency
Tune File	D:\MassHunter\GCMS\1\7010\atunes.eihs.tune.xml		

Dynamic Ramp Tables

MS1 Mass Axis Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-1.837	-1.799	-1.795	-1.835	-1.864

MS1 Width Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-0.029	-0.025	-0.027	-0.025	-0.021

MS2 Mass Axis Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	-1.921	-1.809	-1.840	-1.850	-1.903

MS2 Width Offset

m/z	69.00	219.00	264.00	414.00	502.00
Setting	0.016	0.020	0.019	0.021	0.020

Iris

m/z	69.00	219.00	264.00	414.00	502.00	1050.00
Setting	-3.000	-7.500	-12.000	-22.500	-26.000	-47.800

Entrance Lens

m/z	69.00	264.00	414.00	502.00
Setting	-26.200	-26.200	-29.200	-29.200

Extractor

m/z	69.00	264.00	502.00
Setting	15.500	16.200	16.400

Scan Speed Correction Factor

	Q1	Q2
a0	-0.004243	0.000950
a1	1.024280	0.461355
a2	-0.014622	-0.067217
b0	-0.024207	-0.017403
b1	5.645179	1.198941
b2	-0.299325	0.111511

Diagnostic Information

Air/Water Check: H2O 5.90% (<=20.00%), O2 0.52% (<=2.50%), N2 1.94% (<=10.00%)

Detector Dark Current Check: Baseline 458, Threshold 644, HED On Pulse Count 0, HED Off Pulse Count 0