

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036850.D
 Acq On : 27 Apr 2021 7:46
 Operator : SY/AP
 Sample : VL0427ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 28 05:22:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1542980	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3687182	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3173932	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2525835	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

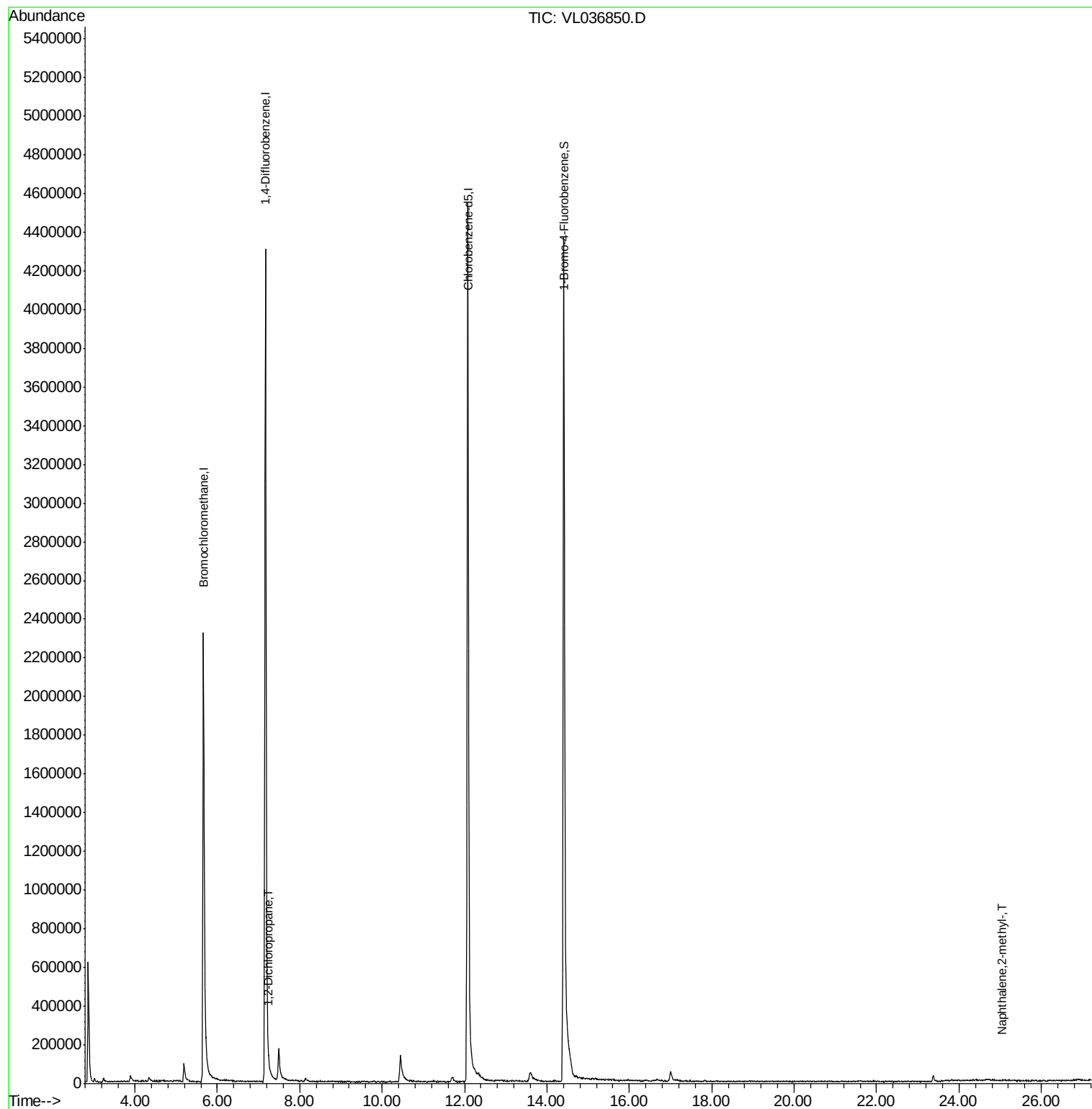
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
39) 1,2-Dichloropropane	7.25	63	11284	0.091	ppbv #	18
80) Naphthalene,2-methyl-	25.04	142	1286	0.054	ppbv #	62

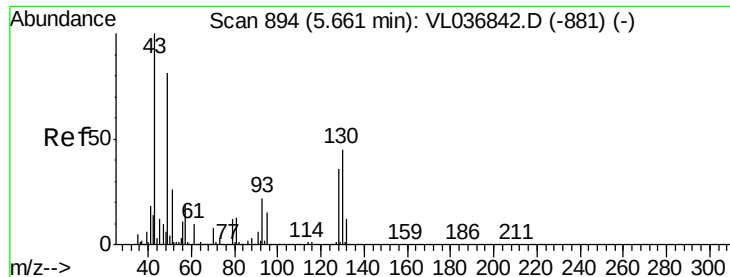
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 27 Apr 2021 7:46

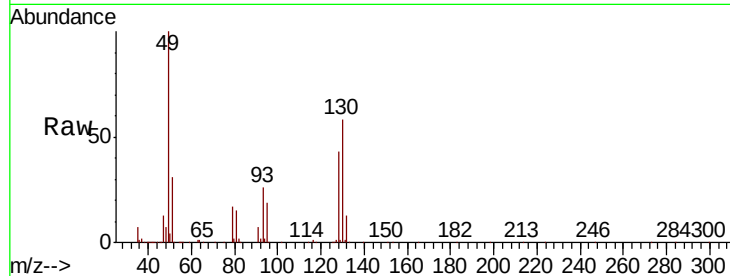
Tot Ion: 49 Resp: 1542980

Ion Ratio Lower Upper

49 100

128 46.5 24.4 73.2

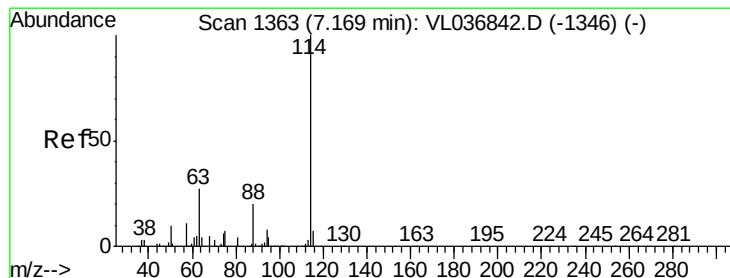
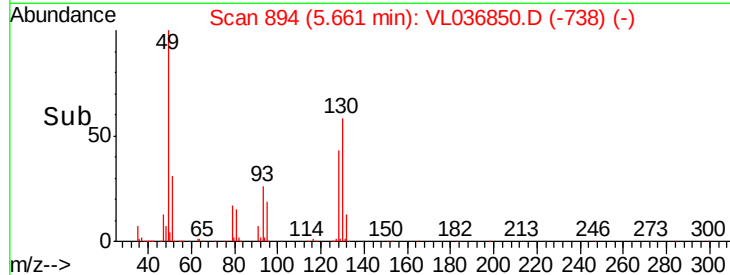
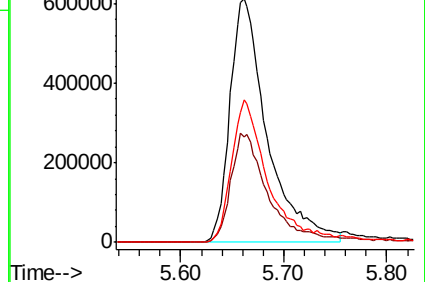
130 59.8 30.3 90.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VL036850.D

Acq: 27 Apr 2021 7:46

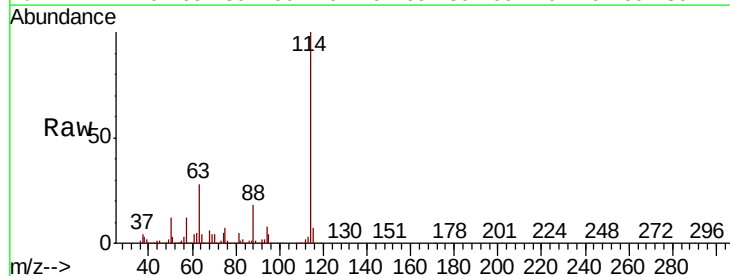
Tgt Ion: 114 Resp: 3687182

Ion Ratio Lower Upper

114 100

63 26.9 21.9 32.9

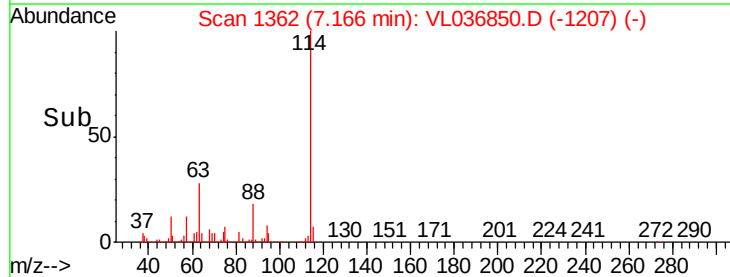
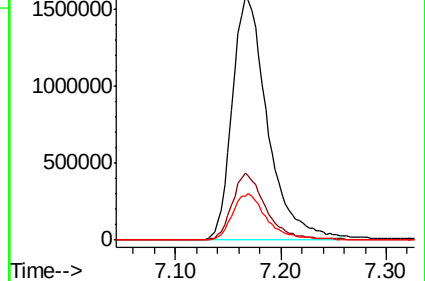
88 18.9 15.1 22.7

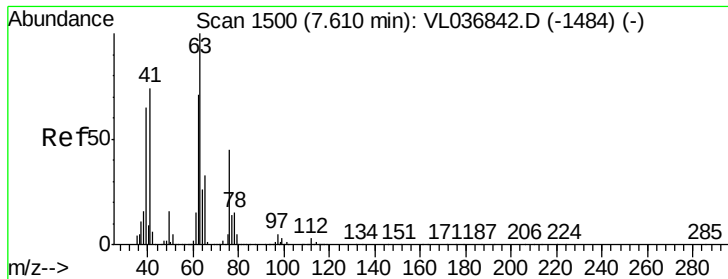


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 0.091 ppbv

RT: 7.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 7:46

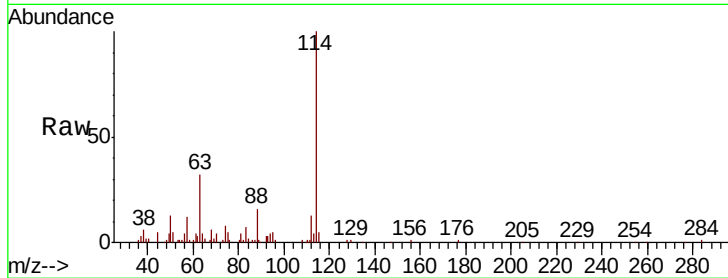
Tot Ion: 63 Resp: 11284

Ion Ratio Lower Upper

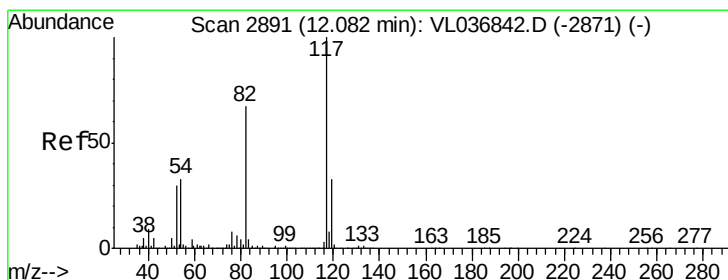
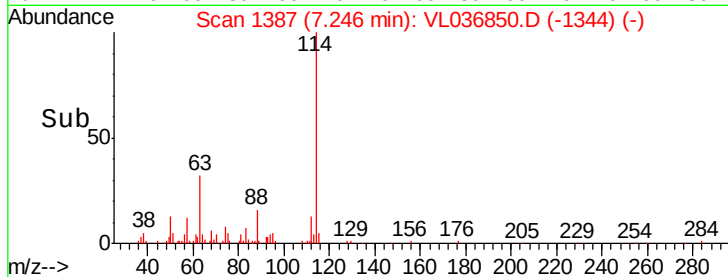
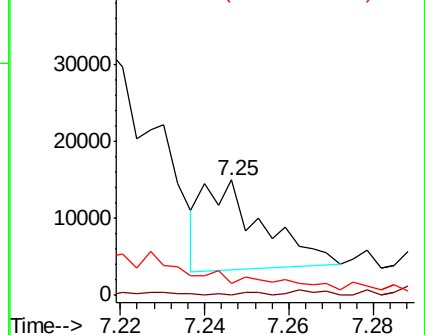
63 100

41 0.0 59.1 88.7#

62 8.4 56.9 85.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VL036850.D

Acq: 27 Apr 2021 7:46

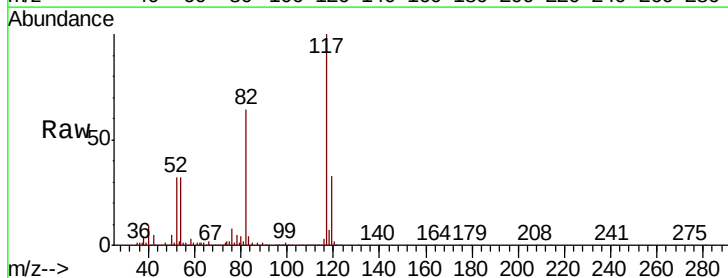
Tgt Ion: 117 Resp: 3173932

Ion Ratio Lower Upper

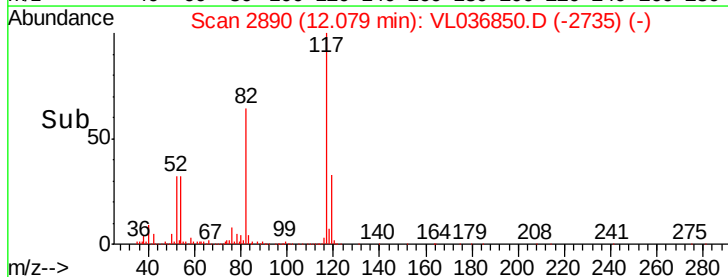
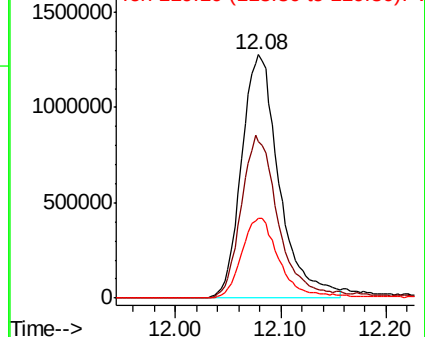
117 100

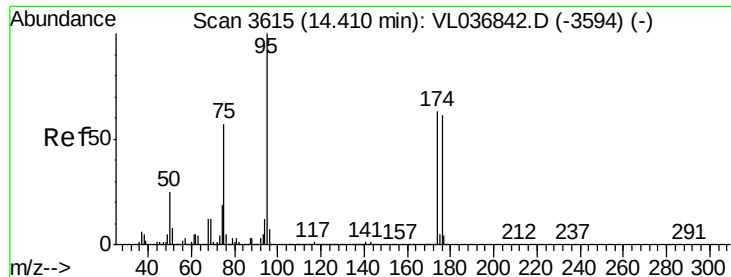
82 69.3 53.5 80.3

119 34.6 25.6 38.4



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.914 ppbv

RT: 14.41 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 7:40

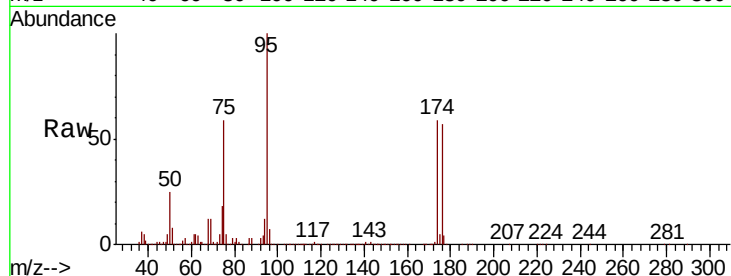
Tot Ion: 95 Resp: 2525835

Ion Ratio Lower Upper

95 100

174 66.8 52.2 78.2

175 4.7 4.0 6.0

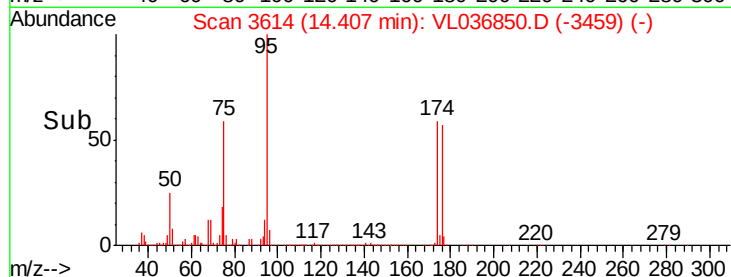


Abundance Ion 95.10 (94.80 to 95.80): VL036842.D (-3594) (-)

Ion 174.00 (173.70 to 174.70): VL036842.D (-3594) (-)

Ion 175.00 (174.70 to 175.70): VL036842.D (-3594) (-)

Time-->

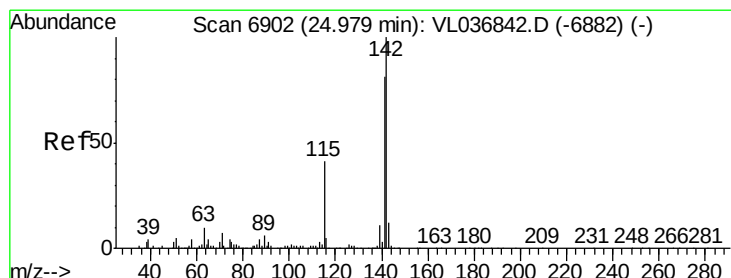


Abundance Ion 95.10 (94.80 to 95.80): VL036850.D (-3459) (-)

Ion 174.00 (173.70 to 174.70): VL036850.D (-3459) (-)

Ion 175.00 (174.70 to 175.70): VL036850.D (-3459) (-)

Time-->



#80

Naphthalene, 2-methyl-

Concen: 0.054 ppbv

RT: 25.04 min Scan# 6921

Delta R.T. 0.06 min

Lab File: VL036850.D

Acq: 27 Apr 2021 7:46

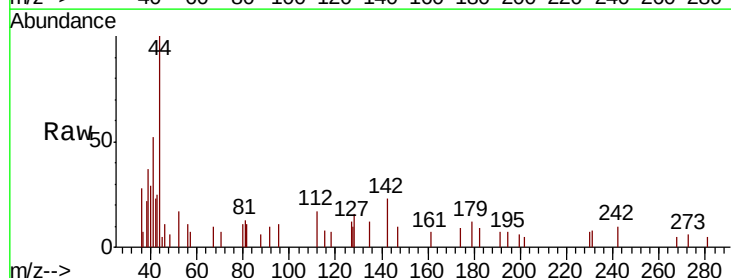
Tgt Ion: 142 Resp: 1286

Ion Ratio Lower Upper

142 100

141 33.0 62.6 93.8#

115 32.3 32.0 48.0

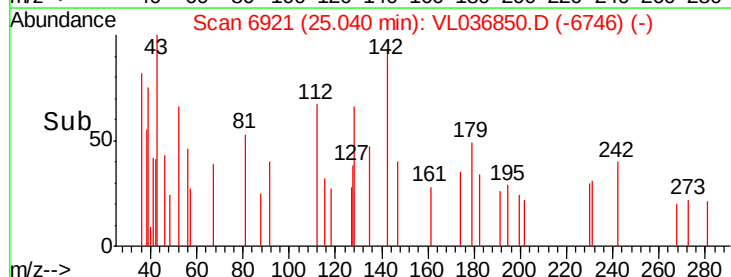


Abundance Ion 142.00 (141.70 to 142.70): VL036842.D (-6882) (-)

Ion 141.00 (140.70 to 141.70): VL036842.D (-6882) (-)

Ion 115.00 (114.70 to 115.70): VL036842.D (-6882) (-)

Time-->



Abundance Ion 142.00 (141.70 to 142.70): VL036850.D (-6746) (-)

Ion 141.00 (140.70 to 141.70): VL036850.D (-6746) (-)

Ion 115.00 (114.70 to 115.70): VL036850.D (-6746) (-)

Time-->