

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036631.D
 Acq On : 1 Apr 2021 14:13
 Operator : SY/AP
 Sample : M1841-08DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-OA-1DL2

Manual Integrations
 APPROVED

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 4/2/2021 6:55:05 PM

Quant Time: Apr 02 08:59:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1454043	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3330113	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2859775	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2279898	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%
Target Compounds						
13) Ethanol	3.64	45	35557m	3.448	ppbv	Ovalue
15) Acetone	3.87	43	833849	5.827	ppbv	96

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

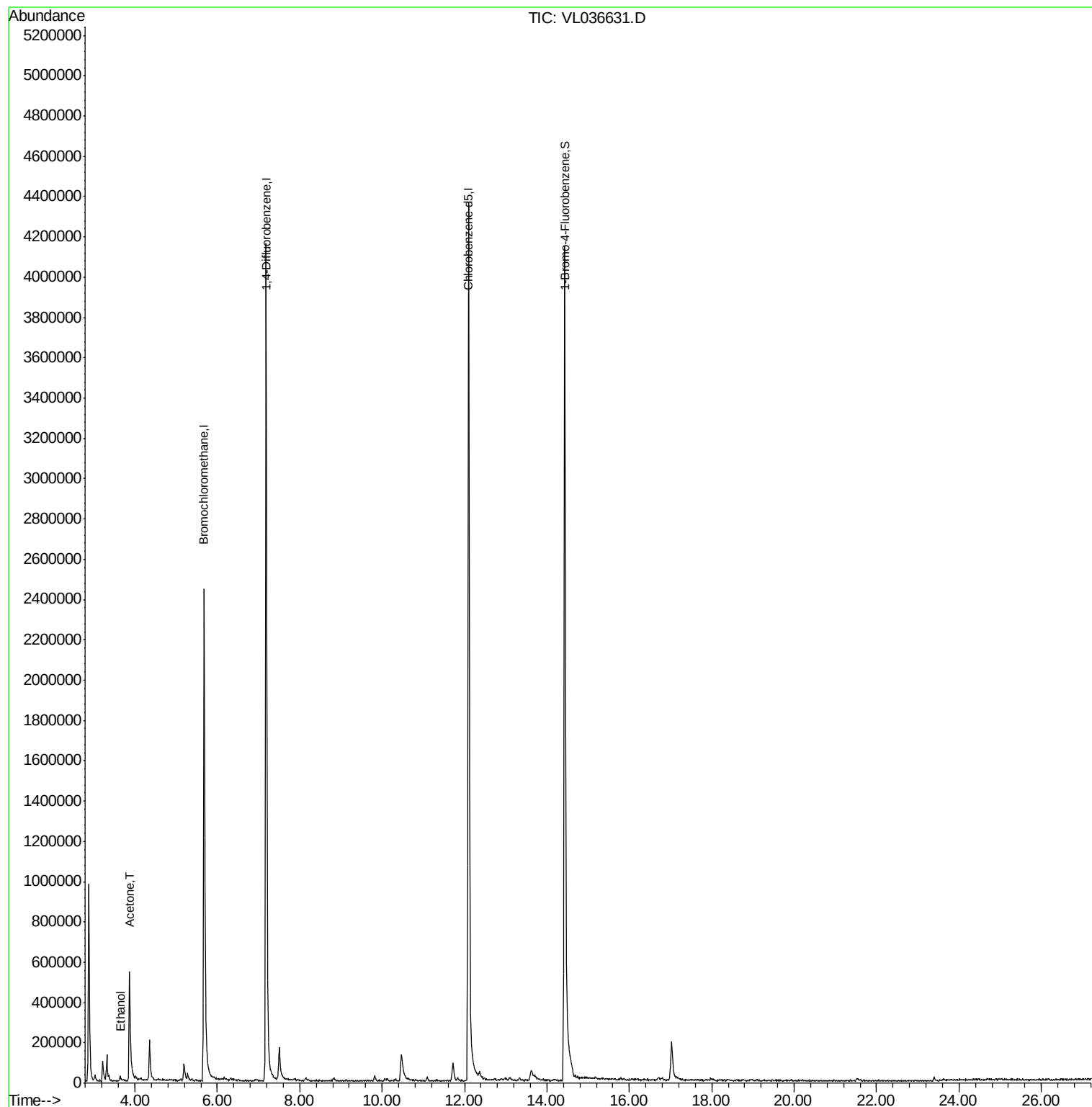
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040121\
Data File : VL036631.D
Acq On : 1 Apr 2021 14:13
Operator : SY/AP
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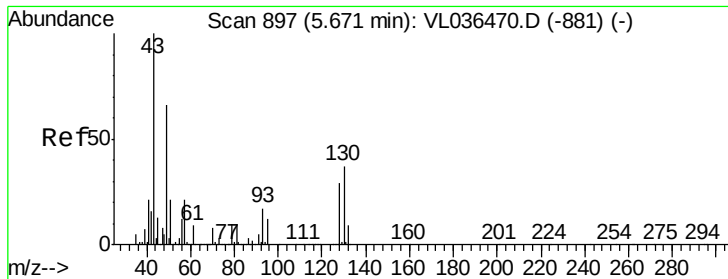
Instrument :
MSVOA_L
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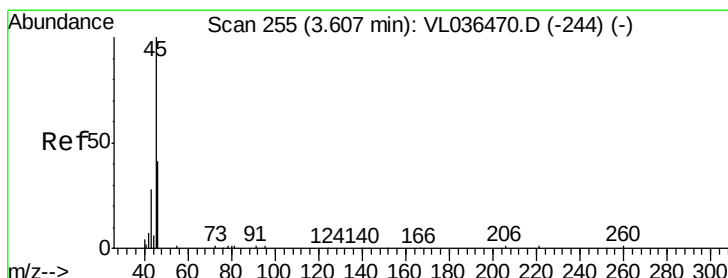
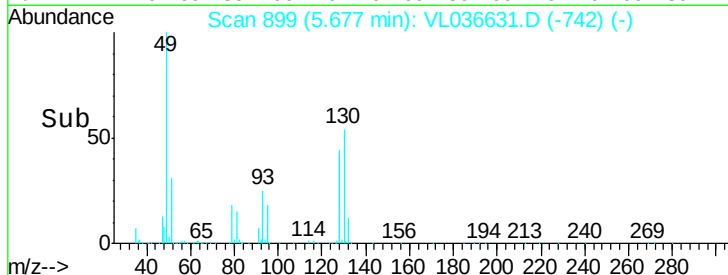
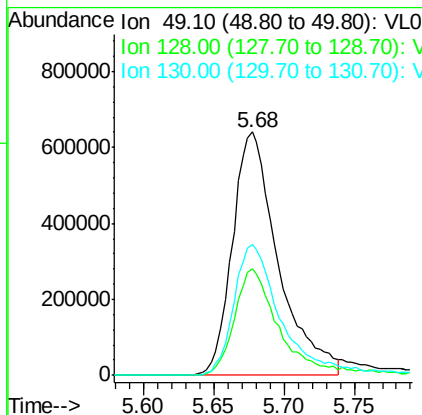
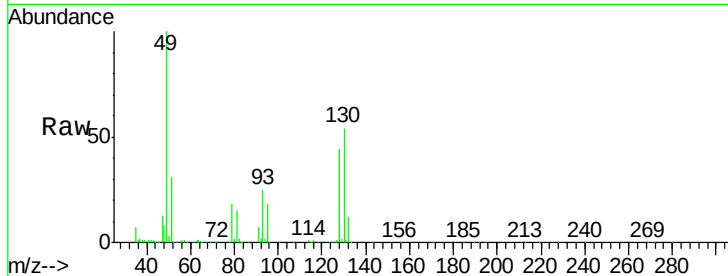
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL036631.D
Acq: 1 Apr 2021 14:13

Instrument :
MSVOA_L
ClientSampleId :
PBS-OA-1DL2

Tot Ion: 49 Resp: 1454043
Ion Ratio Lower Upper
49 100
128 45.2 23.5 70.6
130 57.7 29.1 87.4

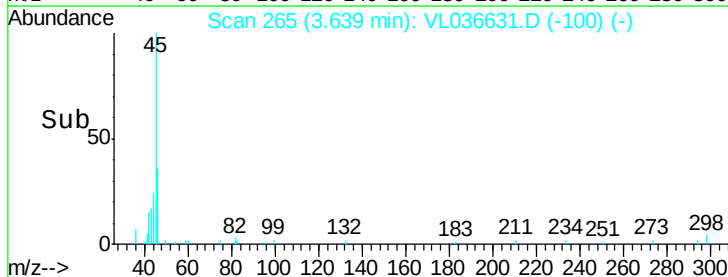
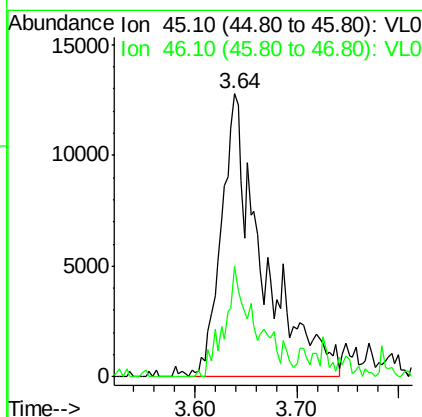
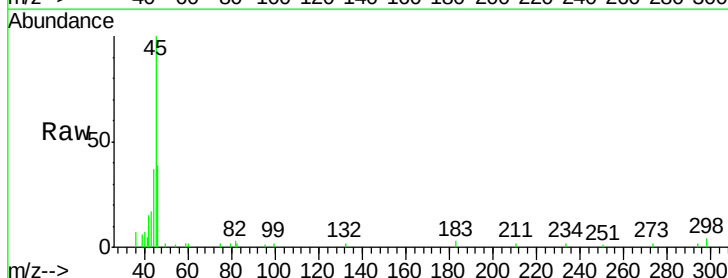
Manual Integrations
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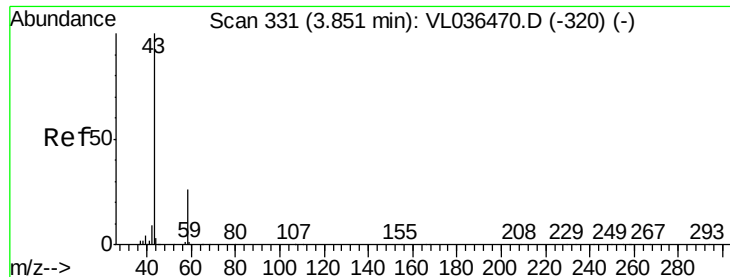
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#13
Ethanol
Concen: 3.448 ppbv m
RT: 3.64 min Scan# 265
Delta R.T. 0.03 min
Lab File: VL036631.D
Acq: 1 Apr 2021 14:13

Tgt Ion: 45 Resp: 35557
Ion Ratio Lower Upper
45 100
46 30.7 16.6 66.2





#15

Acetone

Concen: 5.827 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036631.D

Acq: 1 Apr 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

PBS-OA-1DL2

Tot Ion: 43 Resp: 833849

Ion Ratio Lower Upper

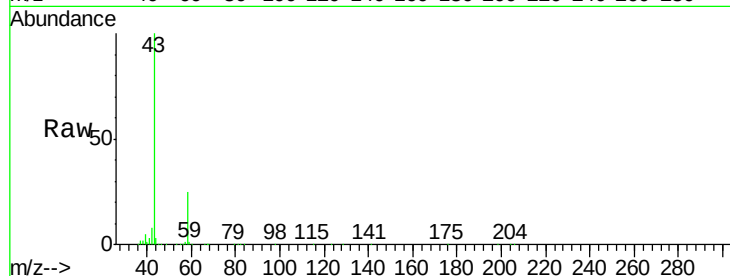
43 100

58 28.5 21.2 31.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

400000

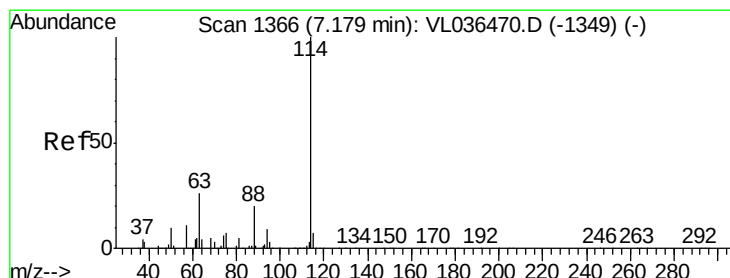
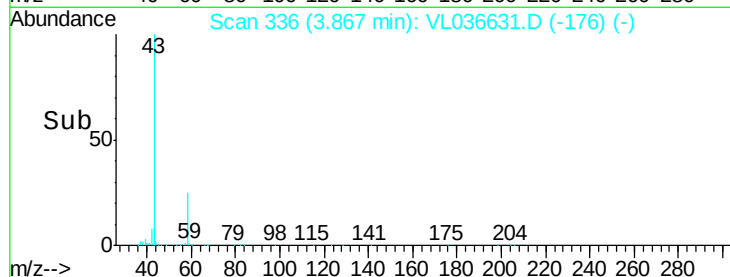
300000

200000

100000

0

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VL036631.D

Acq: 1 Apr 2021 14:13

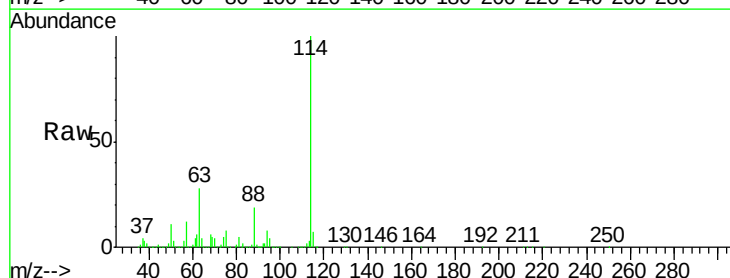
Tgt Ion: 114 Resp: 3330113

Ion Ratio Lower Upper

114 100

63 28.3 22.4 33.6

88 19.0 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

2000000

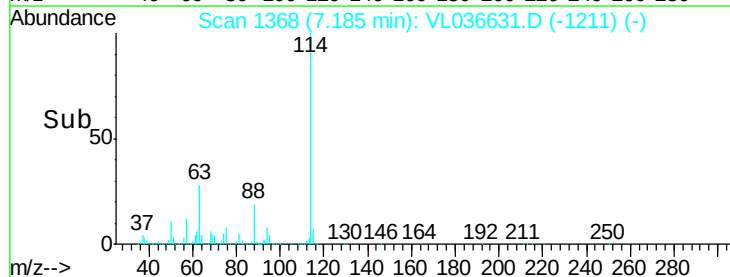
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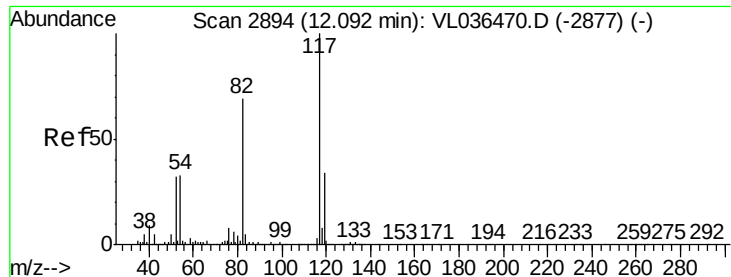
1000000

500000

0

Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL036631.D

Acq: 1 Apr 2021 14:13

Instrument :

MSVOA_L

ClientSampleId :

PBS-OA-1DL2

Tot Ion:117 Resp: 2859775

Ion Ratio Lower Upper

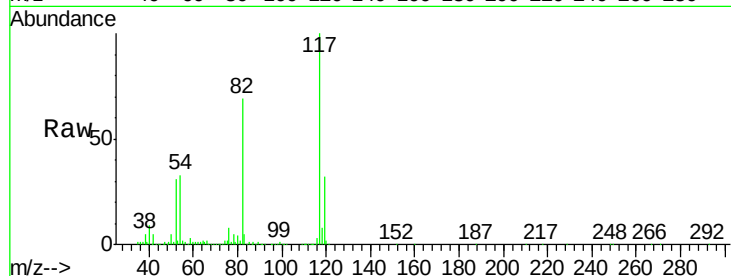
117 100

82 73.2 57.4 86.0

119 34.7 47.4 71.0#

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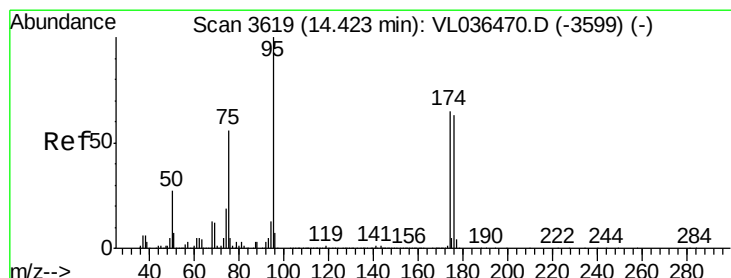
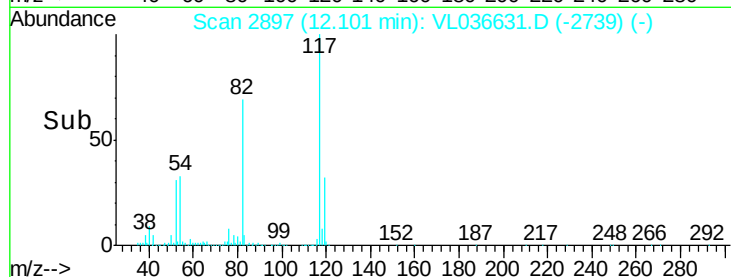
Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

12.10

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.003 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.01 min

Lab File: VL036631.D

Acq: 1 Apr 2021 14:13

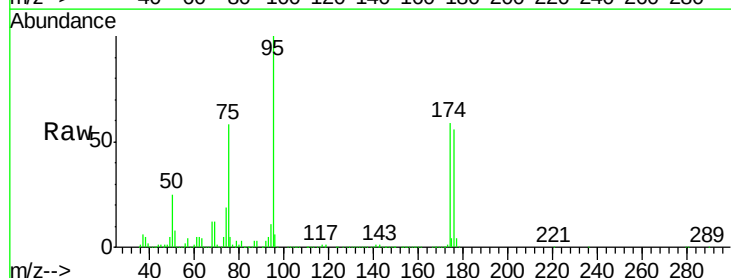
Tgt Ion: 95 Resp: 2279898

Ion Ratio Lower Upper

95 100

174 64.9 51.0 76.6

175 4.5 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.43

Time-->

