

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036646.D
 Acq On : 2 Apr 2021 15:47
 Operator : SY/AP
 Sample : OC040121 CAN 10800
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:56:48 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 09:42:40 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	5.66	49	1323823	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3664230	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3172342	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2408555	9.53	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

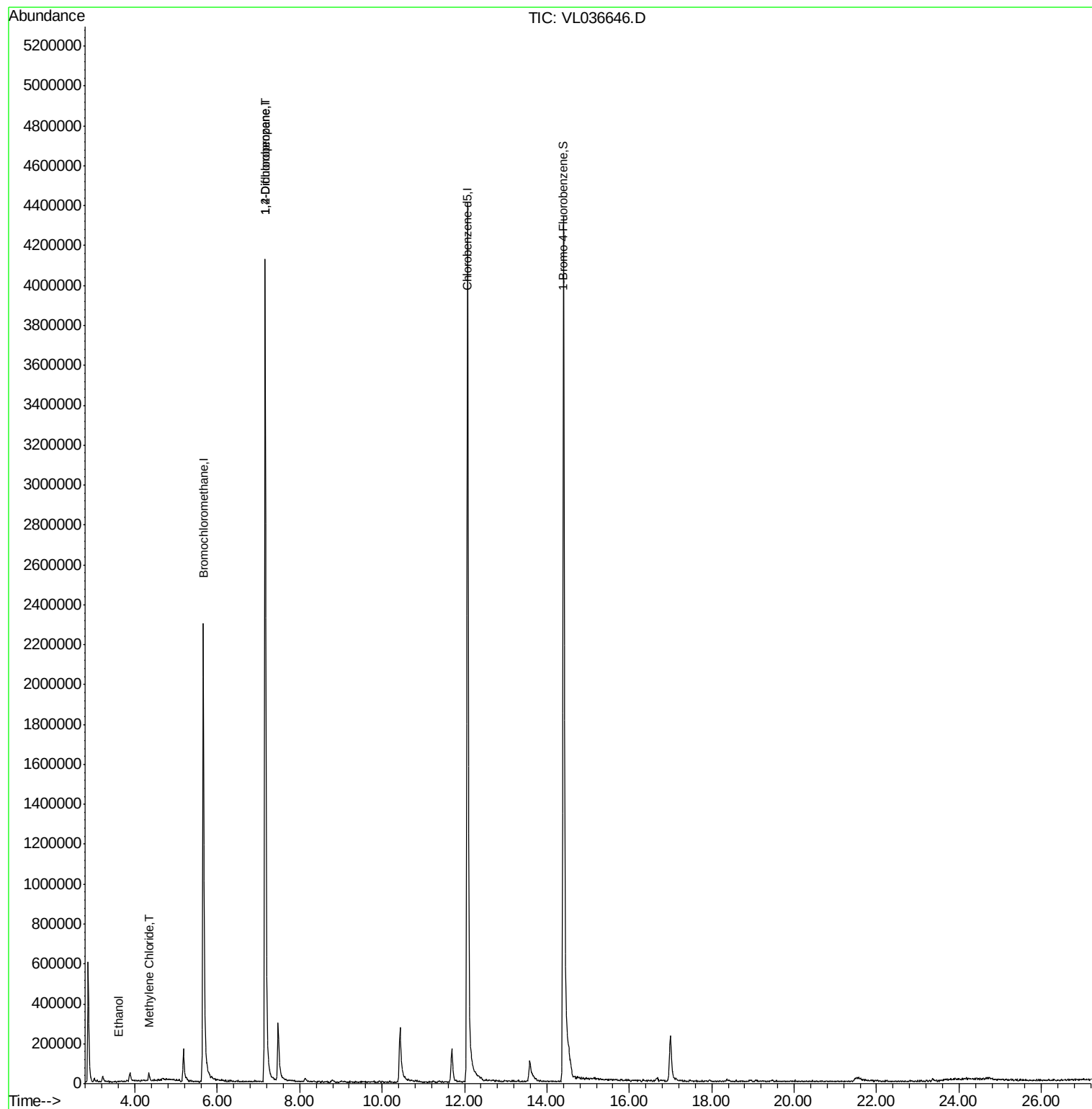
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	299	0.032	ppbv #	34
20) Methylene Chloride	4.34	84	13605	0.223	ppbv #	71
39) 1,2-Dichloropropane	7.16	63	944490	6.890	ppbv #	22

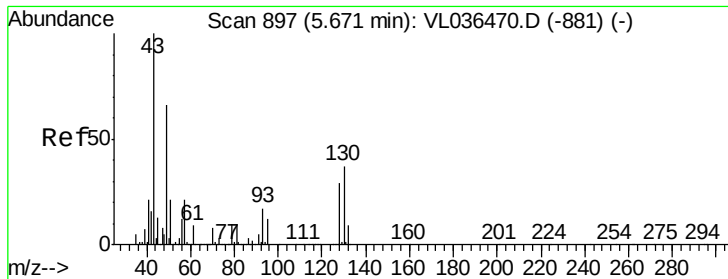
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036646.D

Acq: 2 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

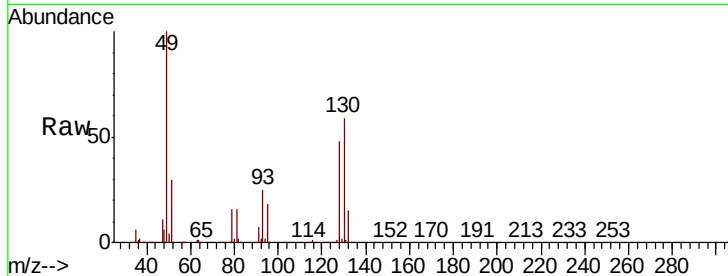
Tot Ion: 49 Resp: 1323823

Ion Ratio Lower Upper

49 100

128 52.4 23.5 70.6

130 67.4 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

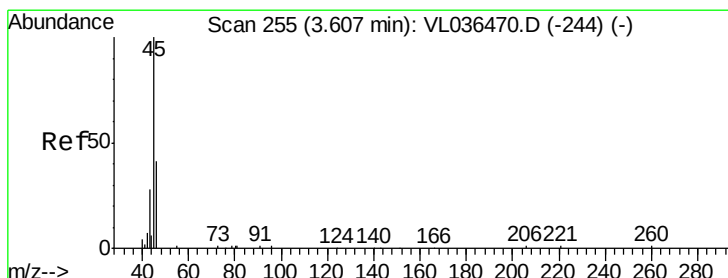
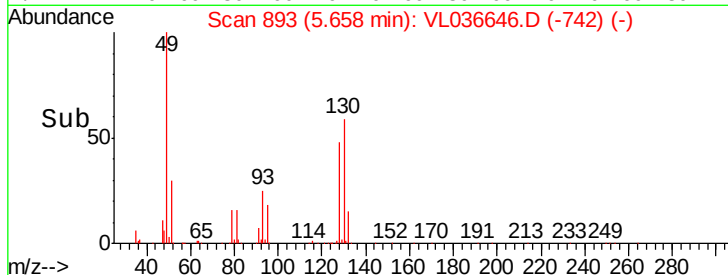
400000

200000

0

5.66

Time-->



#13

Ethanol

Concen: 0.032 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036646.D

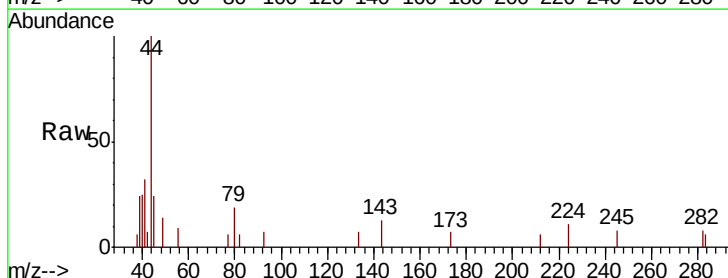
Acq: 2 Apr 2021 15:47

Tgt Ion: 45 Resp: 299

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

1000

800

600

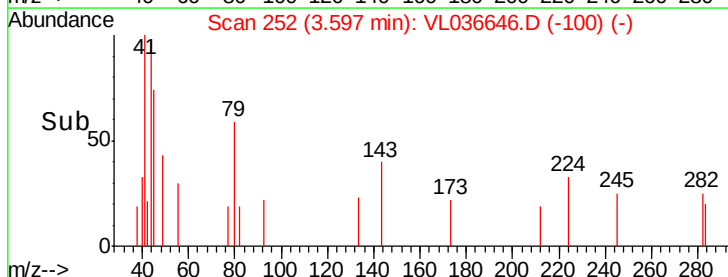
400

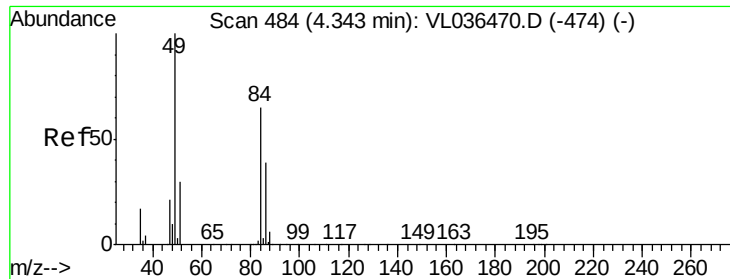
200

0

3.60

Time-->





#20

Methylene Chloride

Concen: 0.223 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036646.D

Acq: 2 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 84 Resp: 13605

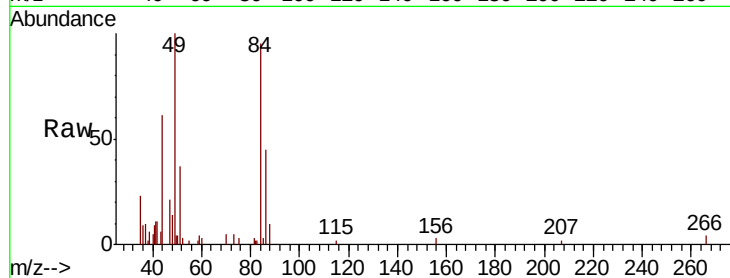
Ion Ratio Lower Upper

84 100

49 103.5 122.9 184.3#

51 39.0 36.9 55.3

86 47.0 48.2 72.4#

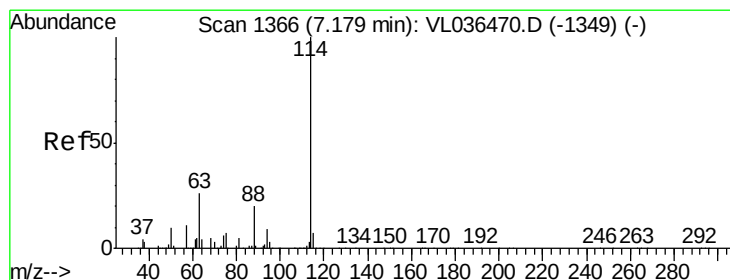
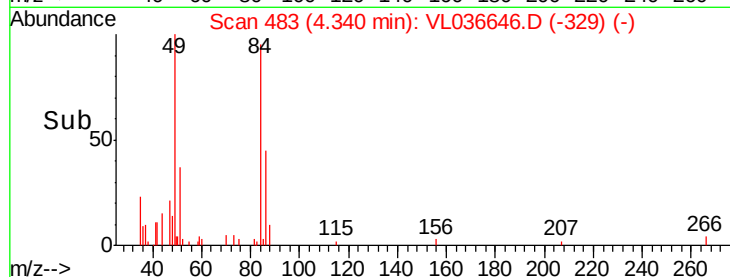
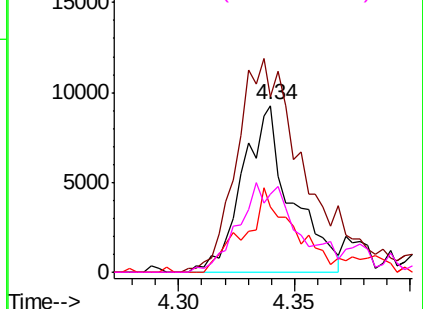


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.02 min

Lab File: VL036646.D

Acq: 2 Apr 2021 15:47

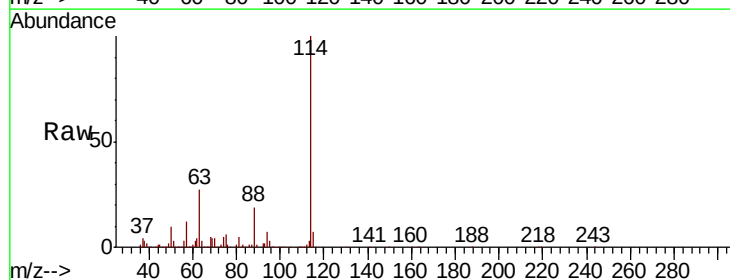
Tgt Ion: 114 Resp: 3664230

Ion Ratio Lower Upper

114 100

63 26.6 22.4 33.6

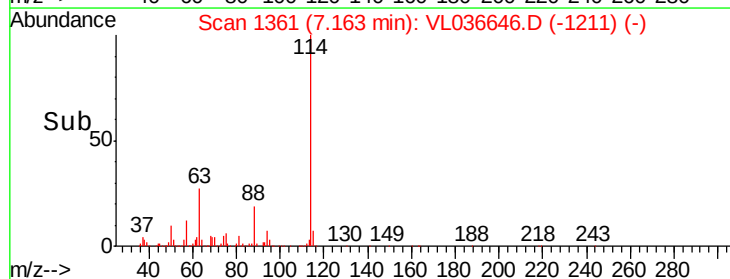
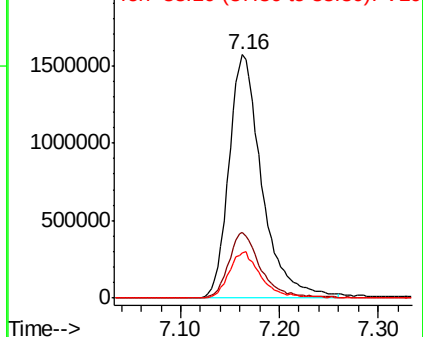
88 18.9 15.4 23.0

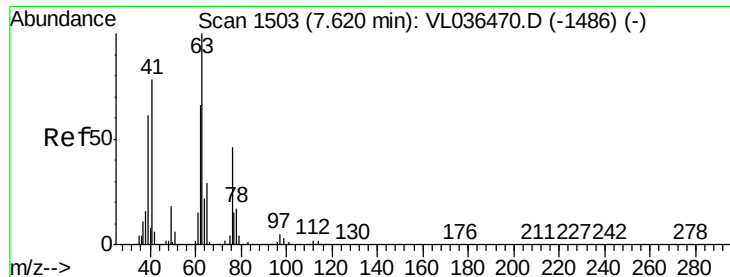


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.890 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.46 min

Lab File: VL036646.D

Acq: 2 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

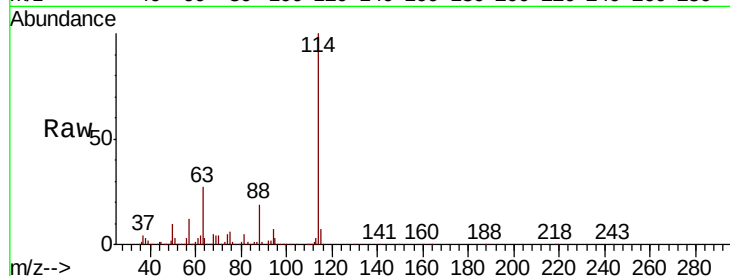
Tot Ion: 63 Resp: 944490

Ion Ratio Lower Upper

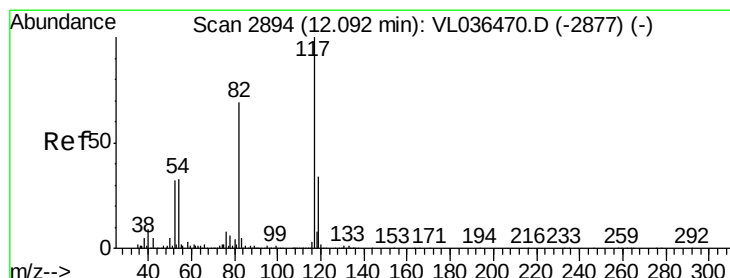
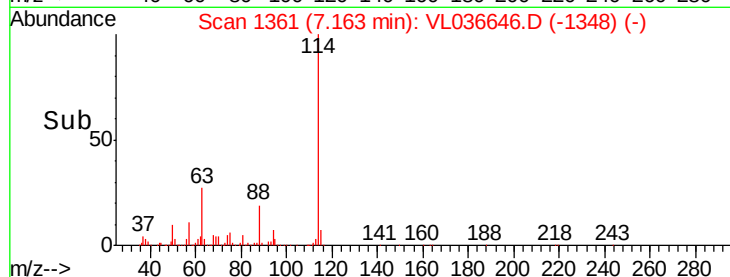
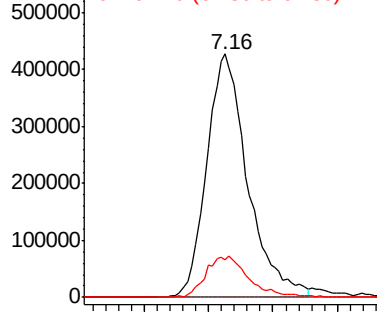
63 100

41 0.0 62.4 93.6#

62 15.3 52.8 79.2#



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# 2889

Delta R.T. -0.02 min

Lab File: VL036646.D

Acq: 2 Apr 2021 15:47

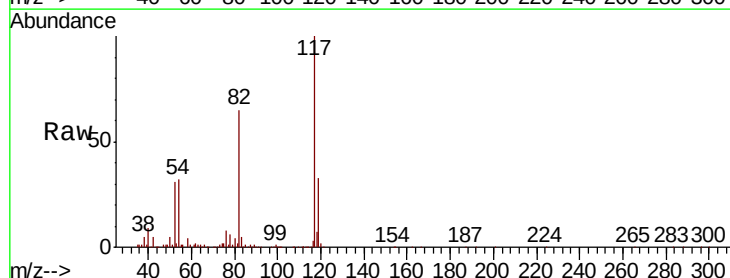
Tgt Ion: 117 Resp: 3172342

Ion Ratio Lower Upper

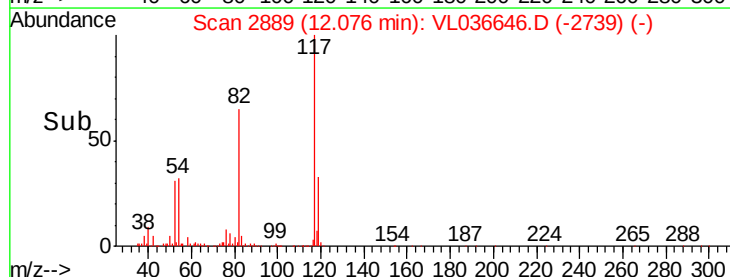
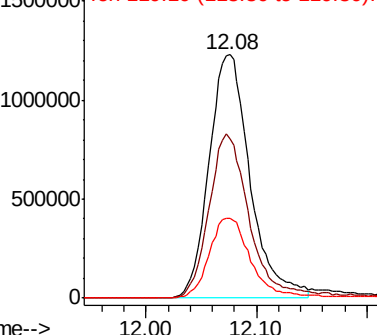
117 100

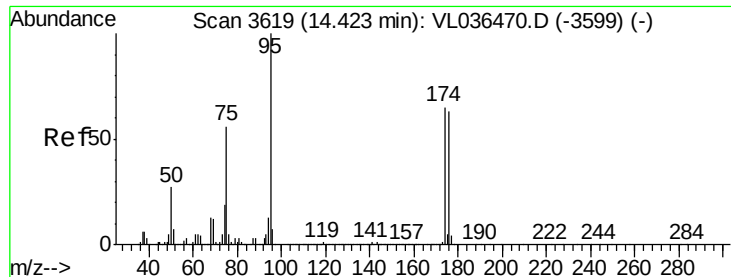
82 69.9 57.4 86.0

119 34.8 47.4 71.0#



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: 9.526 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.02 min

Lab File: VL036646.D

Acq: 2 Apr 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2408555

Ion Ratio Lower Upper

95 100

174 77.1 51.0 76.6#

175 5.8 3.9 5.9

