

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035278.D
 Acq On : 30 Jul 2020 12:53
 Operator : SY/AP
 Sample : OC CAN 10320
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Jul 31 05:05:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1093882	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2660357	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2407611	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2001214	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

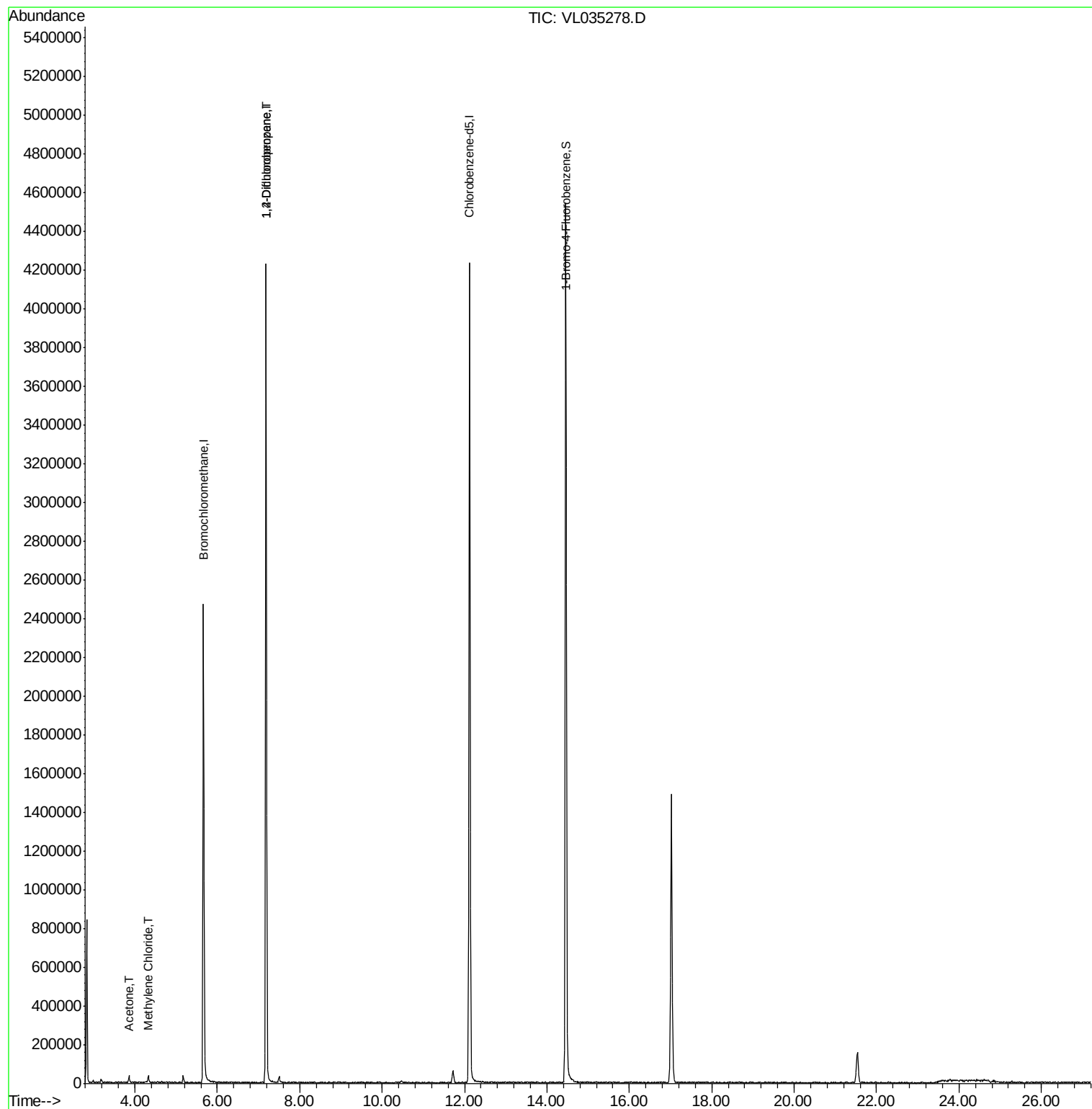
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	19736	0.135	ppbv #	13
20) Methylene Chloride	4.32	84	8560	0.129	ppbv #	73
39) 1,2-Dichloropropane	7.18	63	733564	9.944	ppbv #	23

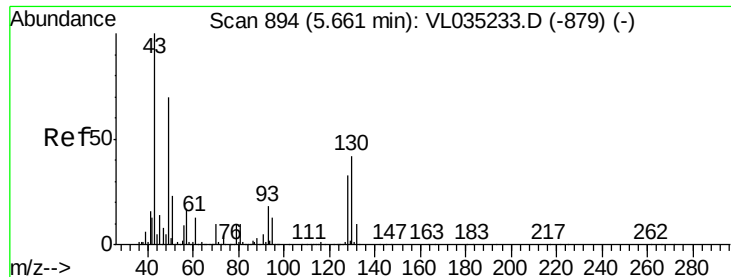
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL035278.D

Acq: 30 Jul 2020 12:53

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MSVOA_L

ClientSampleId :

BFB

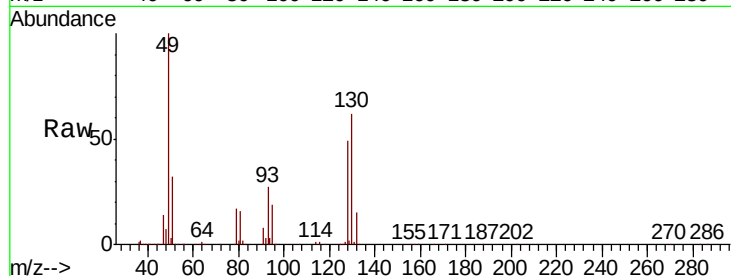
Tot Ion: 49 Resp: 1093882

Ion Ratio Lower Upper

49 100

128 48.7 24.0 72.0

130 63.2 30.7 92.1



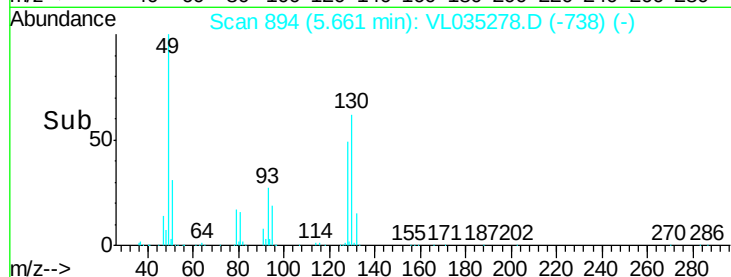
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

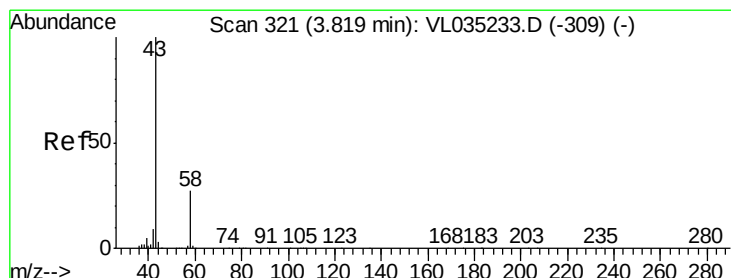
Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



Time-->



#15

Acetone

Concen: 0.135 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.03 min

Lab File: VL035278.D

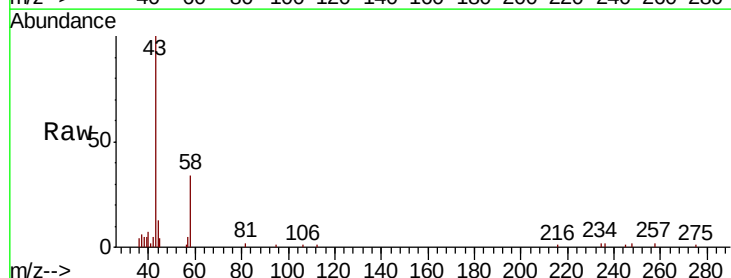
Acq: 30 Jul 2020 12:53

Tgt Ion: 43 Resp: 19736

Ion Ratio Lower Upper

43 100

58 72.7 21.8 32.6#

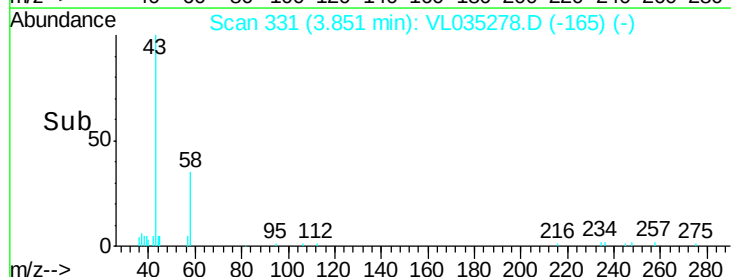


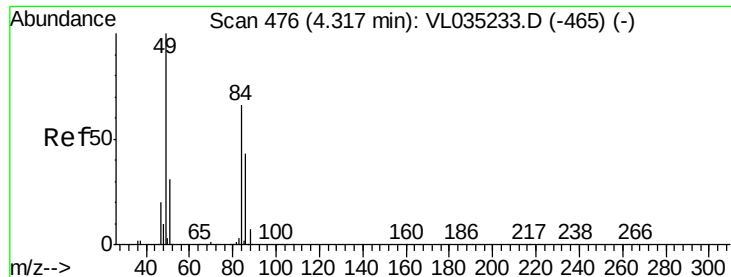
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

Time-->

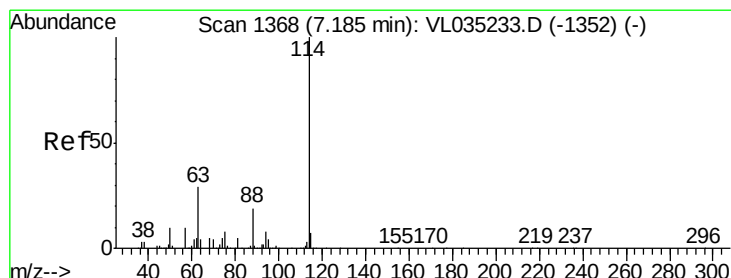
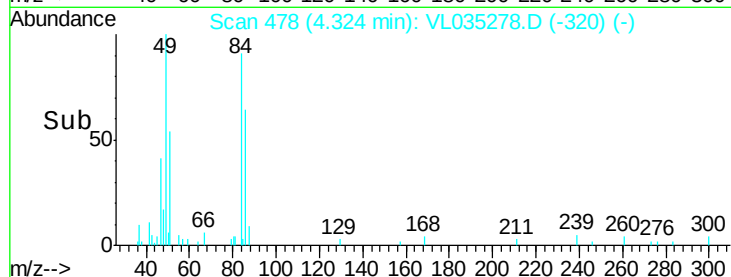
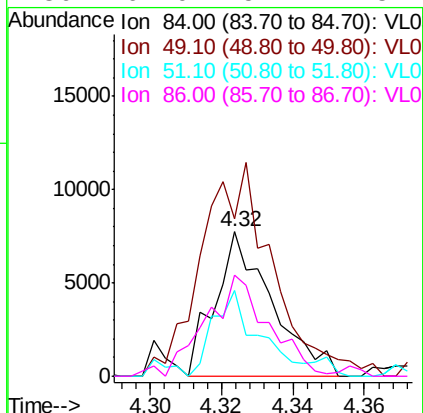
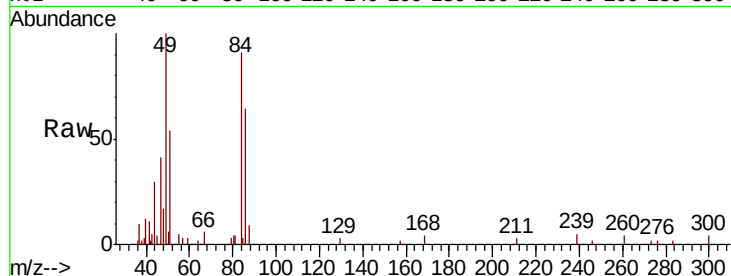




#20
Methylene Chloride
Concen: 0.129 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL035278.D
Acq: 30 Jul 2020 12:53

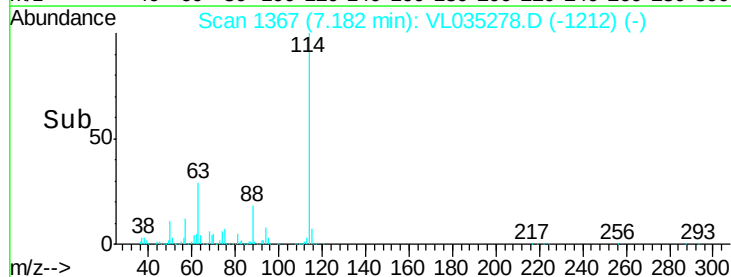
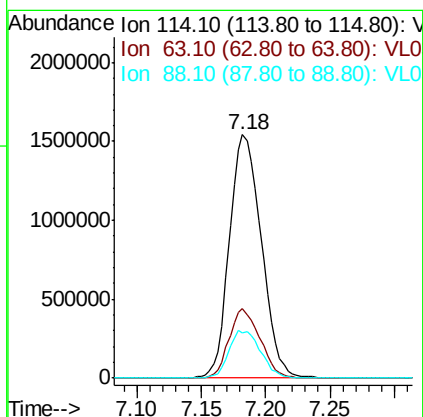
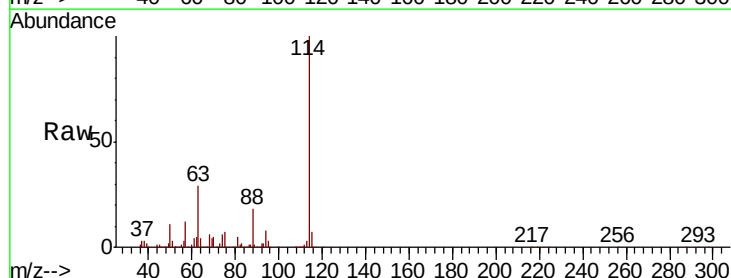
Instrument :
MSVOA_L
ClientSampleId :
BFB

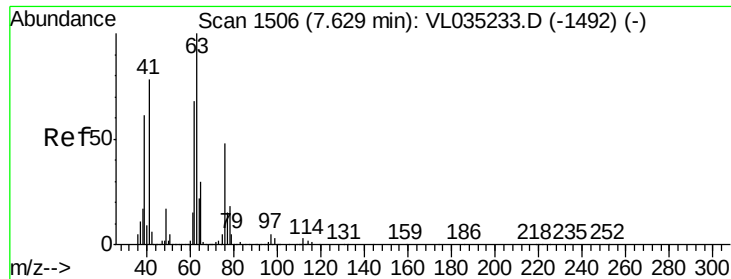
Tot Ion: 84 Resp: 8560
Ion Ratio Lower Upper
84 100
49 98.3 121.0 181.4#
51 56.6 37.7 56.5#
86 67.0 52.2 78.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL035278.D
Acq: 30 Jul 2020 12:53

Tgt Ion: 114 Resp: 2660357
Ion Ratio Lower Upper
114 100
63 27.7 22.2 33.2
88 19.4 15.4 23.0





#39

1,2-Dichloropropane

Concen: 9.944 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.45 min

Lab File: VL035278.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_L

ClientSampled :

BFB

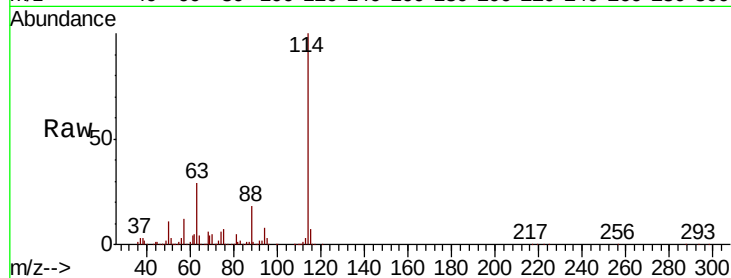
Tot Ion: 63 Resp: 733564

Ion Ratio Lower Upper

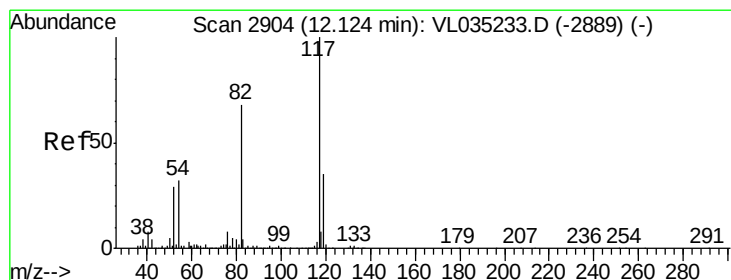
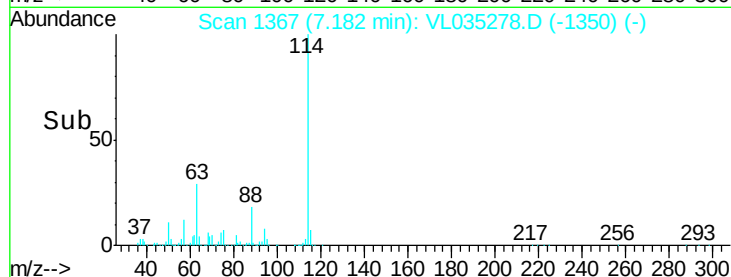
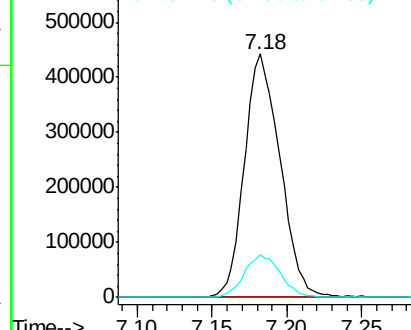
63 100

41 0.0 62.2 93.4#

62 17.4 54.2 81.2#



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: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL035278.D

Acq: 30 Jul 2020 12:53

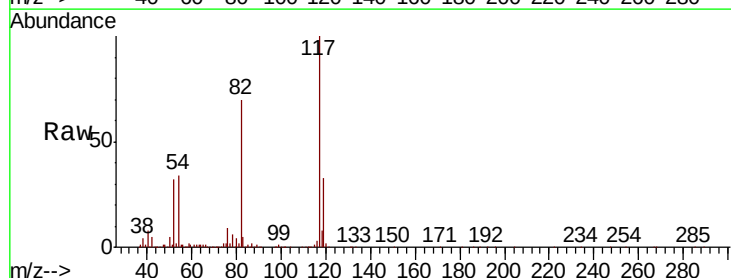
Tgt Ion: 117 Resp: 2407611

Ion Ratio Lower Upper

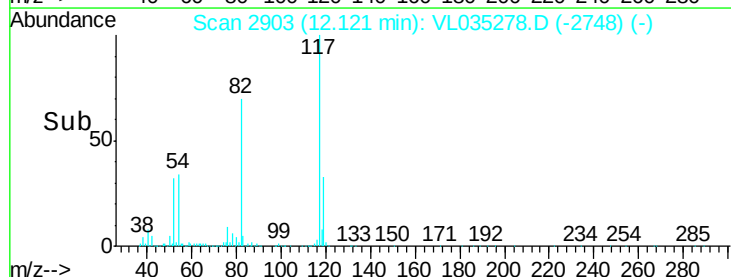
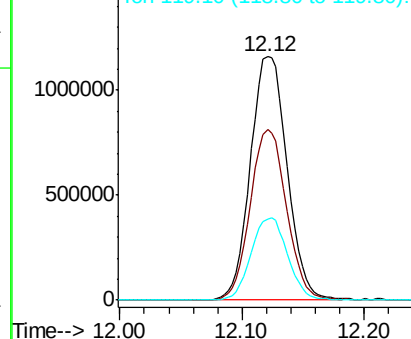
117 100

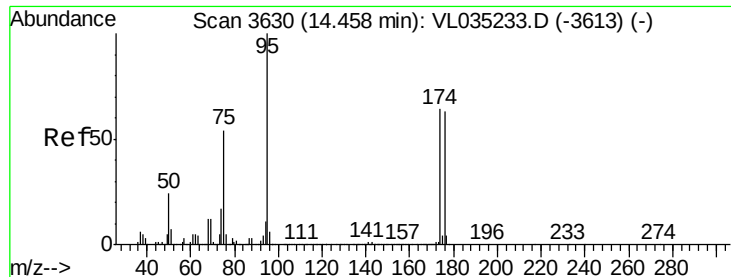
82 69.6 52.4 78.6

119 33.7 24.6 36.8



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: 10.402 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL035278.D

Acq: 30 Jul 2020 12:53

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tot Ion: 95 Resp: 2001214

Ion Ratio Lower Upper

95 100

174 66.2 52.7 79.1

175 4.6 3.9 5.9

