

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
 Data File : VL037871.D
 Acq On : 19 Oct 2021 2:49
 Operator : SY/AP
 Sample : CAN 10602
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10602

Quant Time: Oct 19 08:36:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1078594	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3363937	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2761692	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2034395	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

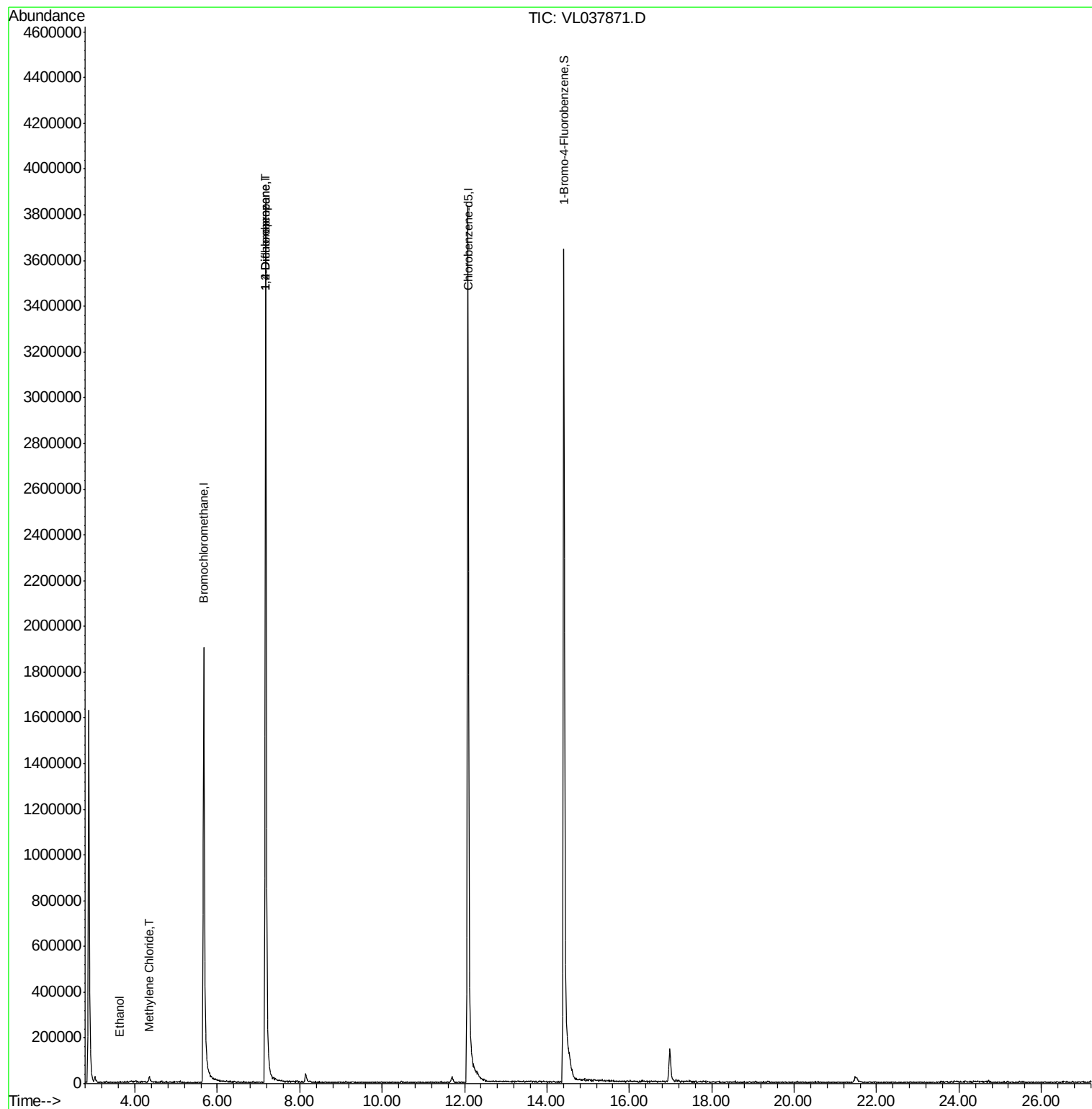
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.63	45	194	0.031	ppbv #	27
20) Methylene Chloride	4.35	84	5890	0.120	ppbv #	82
39) 1,2-Dichloropropane	7.17	63	794417	7.351	ppbv #	28

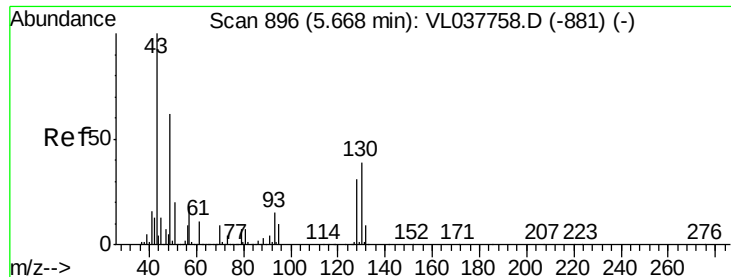
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Oct 2021 2:49

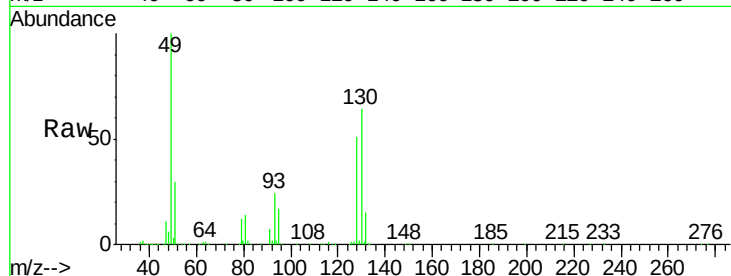
Tgt Ion: 49 Resp: 1078594

Ion Ratio Lower Upper

49 100

128 58.6 27.1 81.3

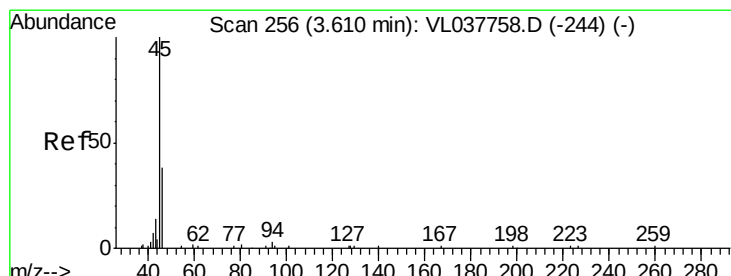
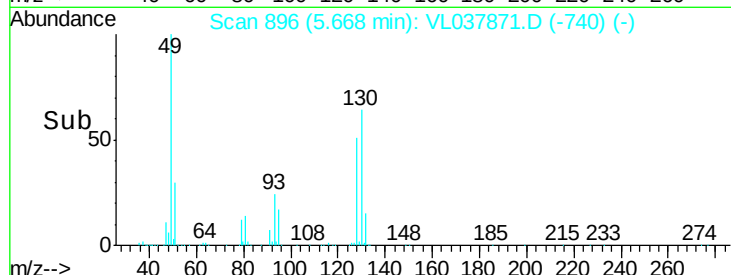
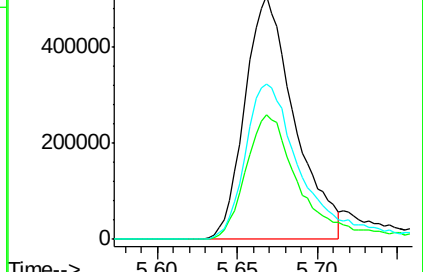
130 75.4 33.2 99.6



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



#13

Ethanol

Concen: 0.031 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.02 min

Lab File: VL037871.D

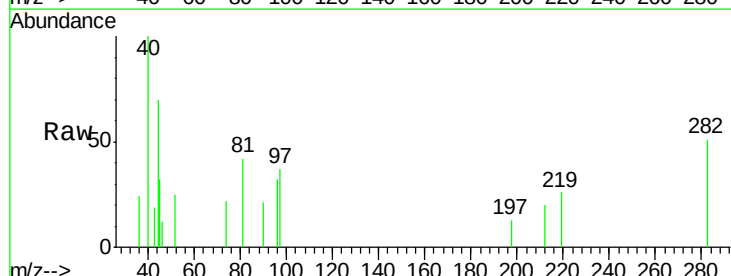
Acq: 19 Oct 2021 2:49

Tgt Ion: 45 Resp: 194

Ion Ratio Lower Upper

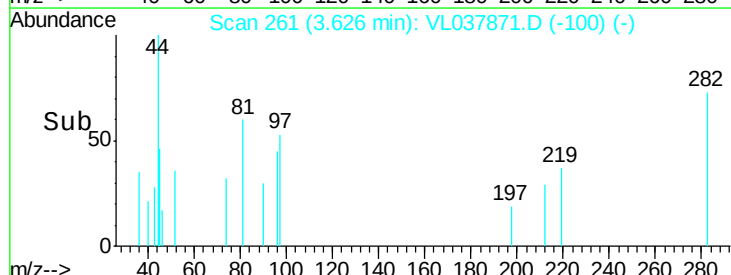
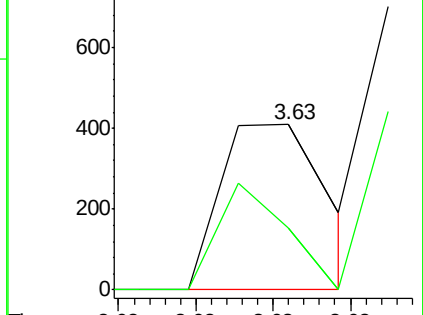
45 100

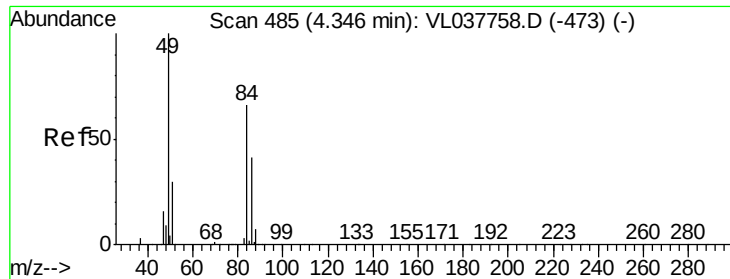
46 0.0 20.2 81.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

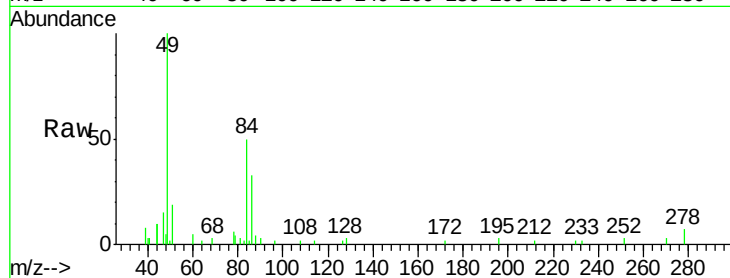
Ion 46.10 (45.80 to 46.80): VL0



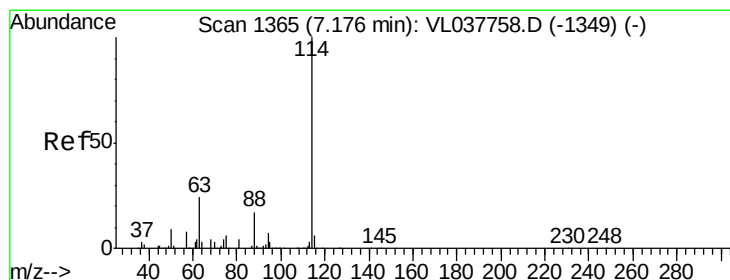
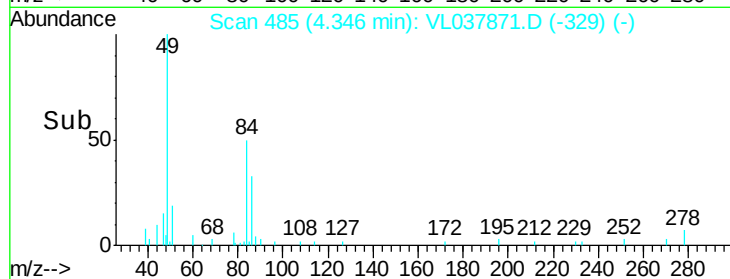
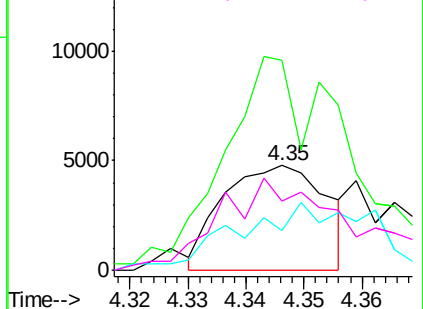


#20
Methylene Chloride
Concen: 0.120 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
CAN 10602
Acq: 19 Oct 2021 2:49

Tgt Ion: 84 Resp: 5890
Ion Ratio Lower Upper
84 100
49 171.6 120.7 181.1
51 32.5 36.2 54.4#
86 45.8 49.6 74.4#

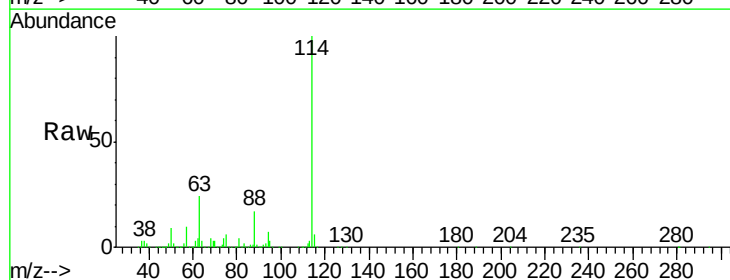


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

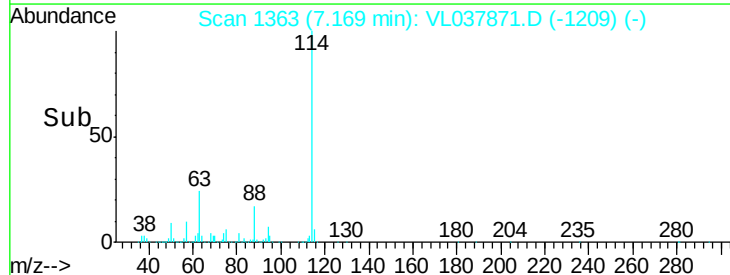
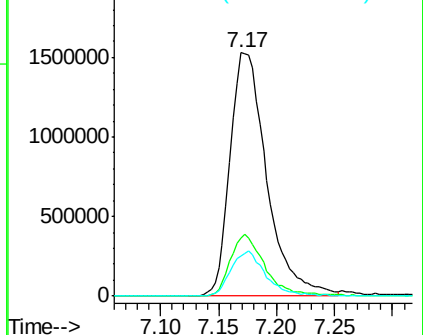


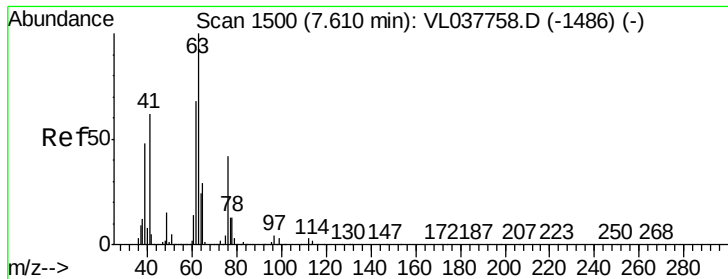
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL037871.D
Acq: 19 Oct 2021 2:49

Tgt Ion: 114 Resp: 3363937
Ion Ratio Lower Upper
114 100
63 24.4 19.4 29.2
88 18.0 14.4 21.6



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: 7.351 ppbv

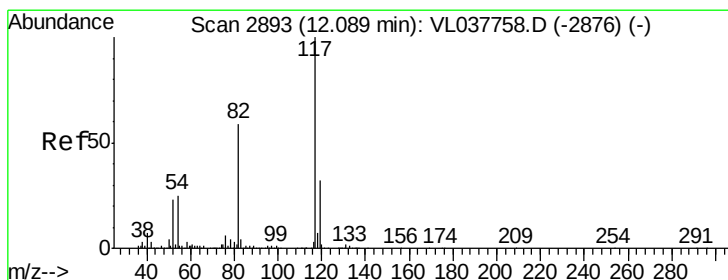
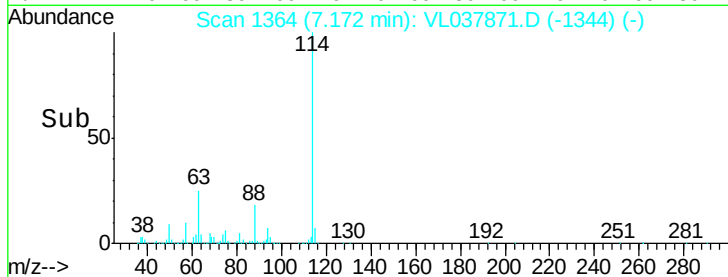
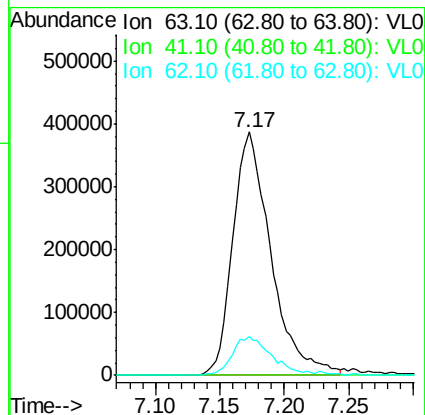
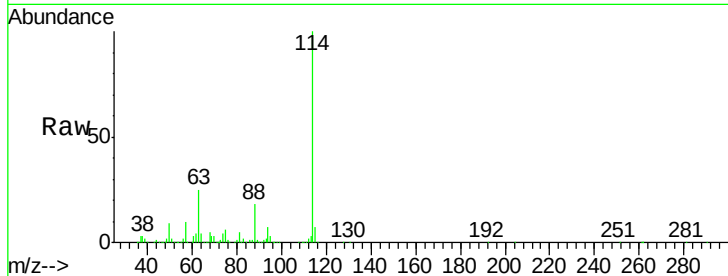
RT: 7.17 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Oct 2021 2:49

Tgt Ion:	63	Resp:	794417
Ion Ratio	Lower	Upper	
63	100		
41	0.0	49.8	74.6#
62	15.9	54.6	82.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

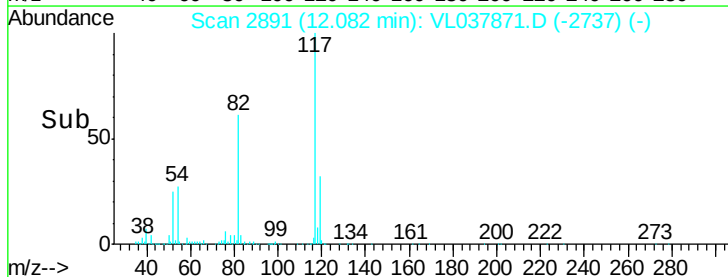
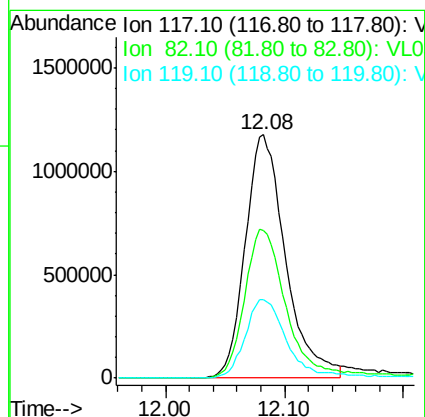
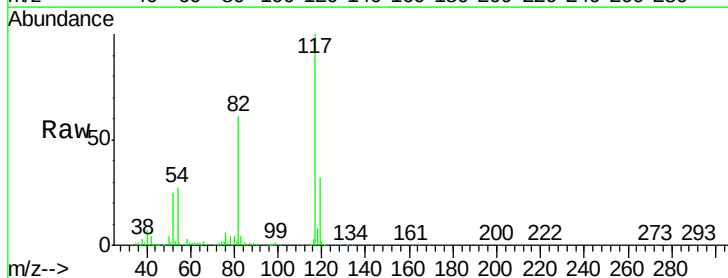
RT: 12.08 min Scan# 2891

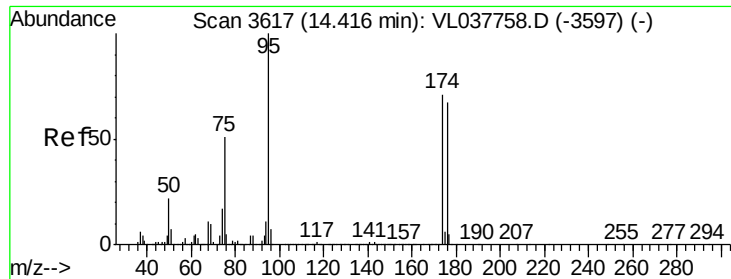
Delta R.T. -0.01 min

Lab File: VL037871.D

Acq: 19 Oct 2021 2:49

Tgt Ion:	117	Resp:	2761692
Ion Ratio	Lower	Upper	
117	100		
82	66.5	52.2	78.2
119	35.1	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.534 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Oct 2021 2.49

Tgt Ion: 95 Resp: 2034395

Ion Ratio Lower Upper

95 100

174 72.5 57.8 86.6

175 5.1 4.7 7.1

