

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038938.D
 Acq On : 15 Apr 2022 8:00
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 15 09:06:09 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1168595	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3078833	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2772160	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2067090	9.83	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

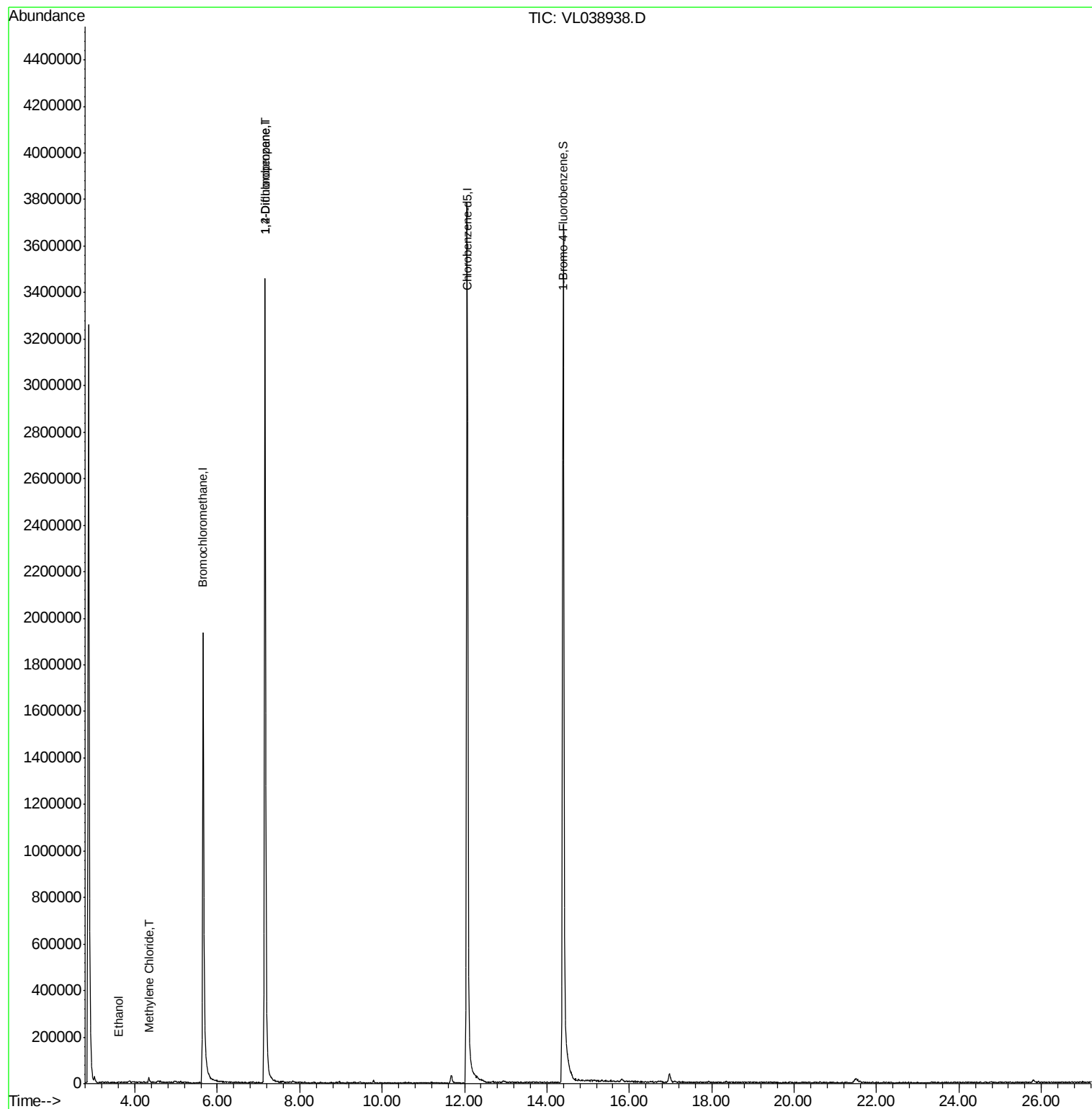
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	446	0.097	ppbv #	100
20) Methylene Chloride	4.34	84	3470	0.082	ppbv	96
39) 1,2-Dichloropropane	7.16	63	737358	6.883	ppbv #	26

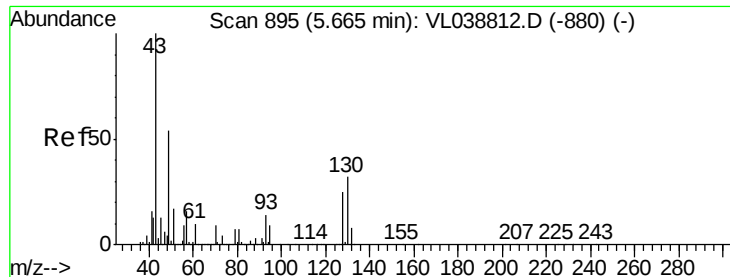
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 8:00

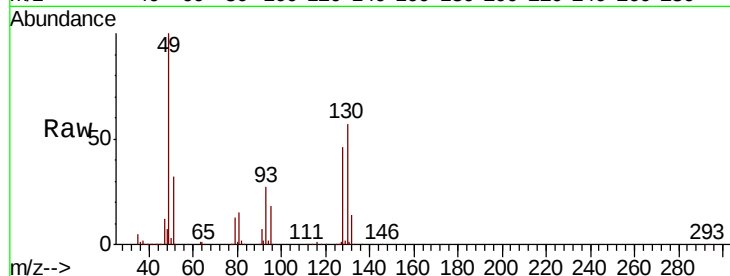
Tot Ion: 49 Resp: 1168595

Ion Ratio Lower Upper

49 100

128 49.5 24.1 72.3

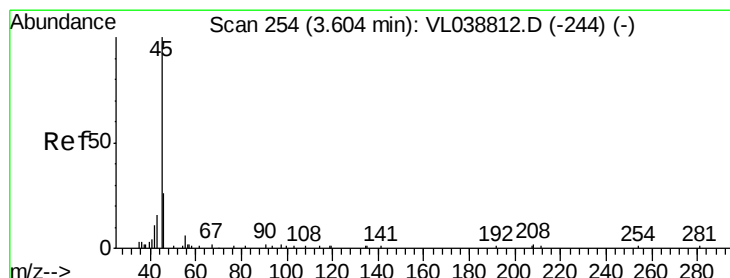
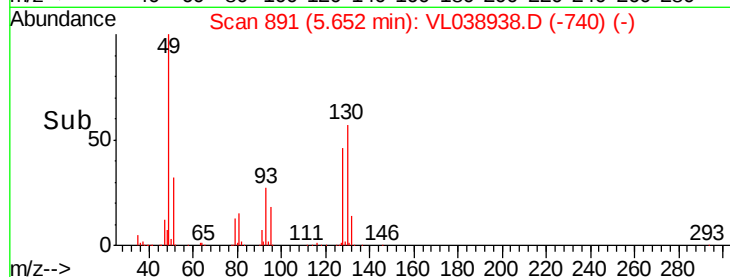
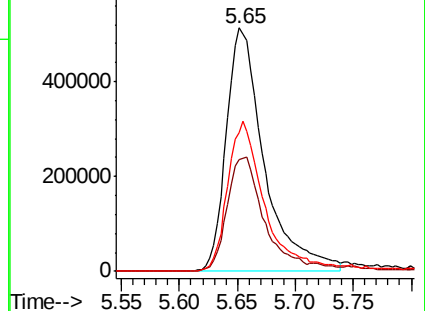
130 61.9 30.9 92.8



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



#13

Ethanol

Concen: 0.097 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL038938.D

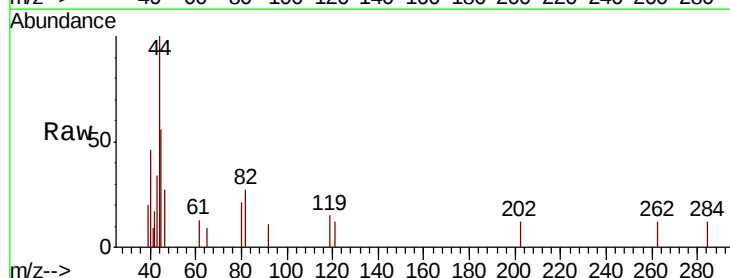
Acq: 15 Apr 2022 8:00

Tgt Ion: 45 Resp: 446

Ion Ratio Lower Upper

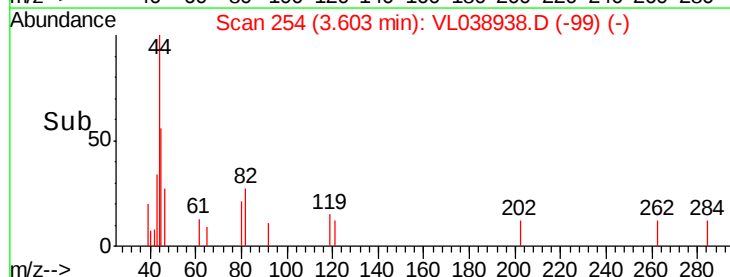
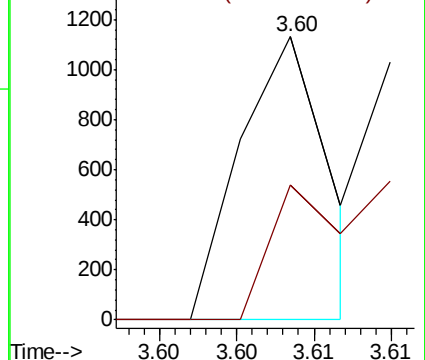
45 100

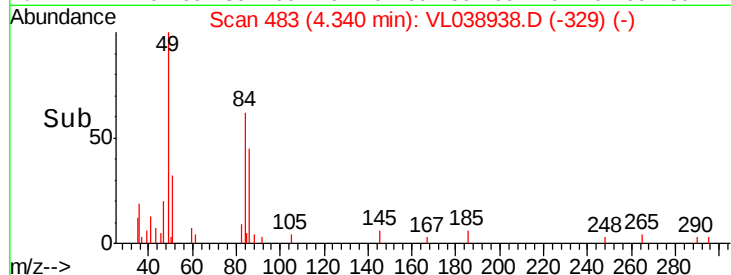
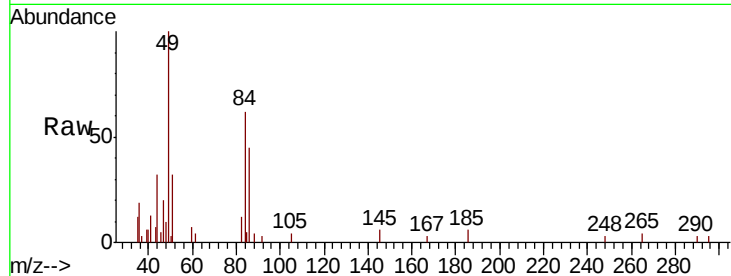
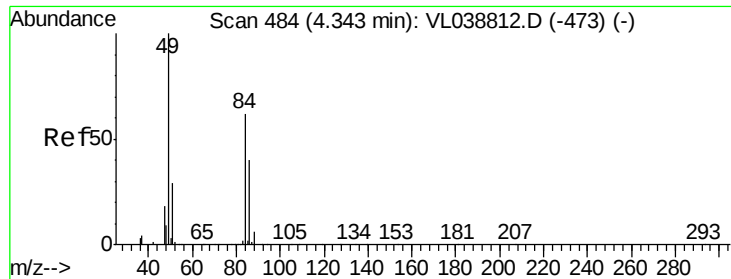
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

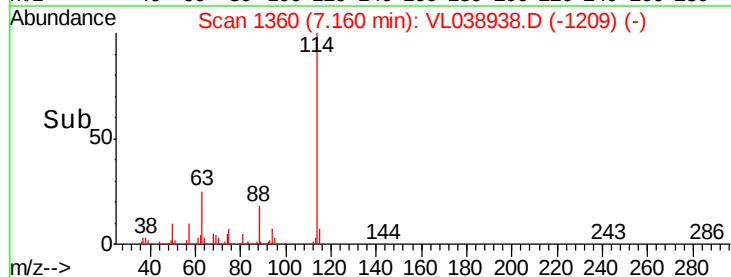
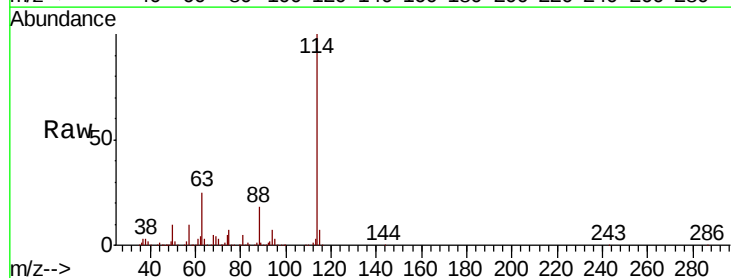
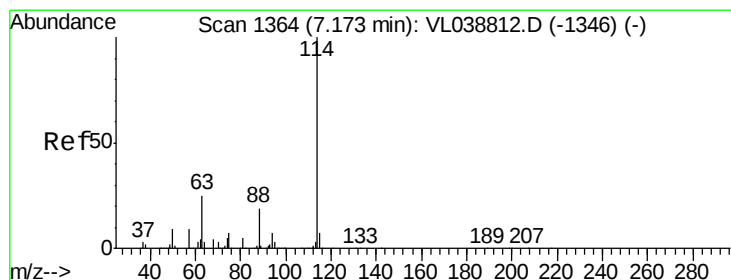
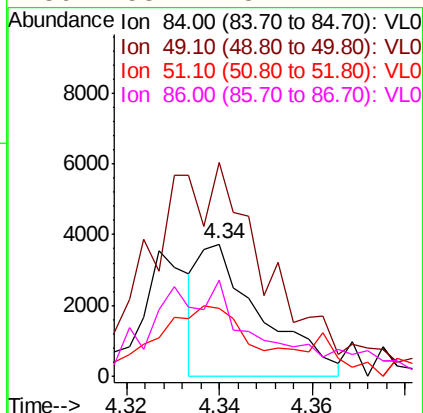
Ion 46.10 (45.80 to 46.80): VL0





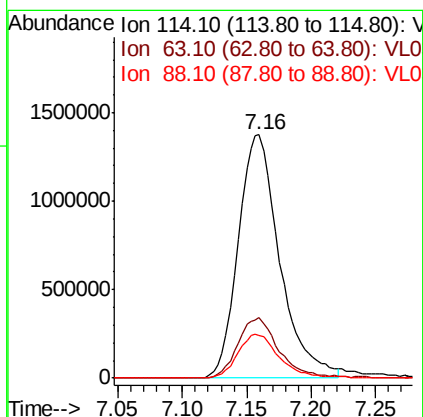
#20
Methvlene Chloride
Concen: 0.082 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Apr 2022 8:00

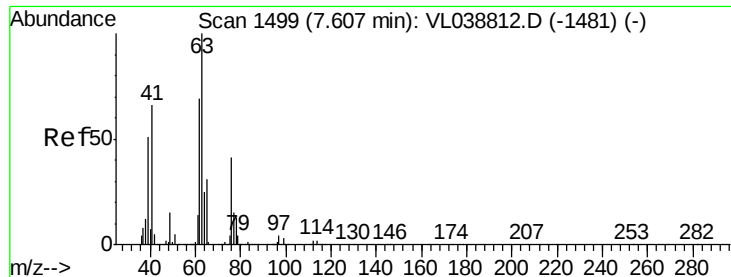
Tot Ion:	84	Resp:	3470
Ion	Ratio	Lower	Upper
84	100		
49	160.2	129.4	194.0
51	41.8	37.4	56.2
86	58.4	51.4	77.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL038938.D
Acq: 15 Apr 2022 8:00

Tgt Ion:	114	Resp:	3078833
Ion	Ratio	Lower	Upper
114	100		
63	25.3	19.8	29.8
88	18.7	14.2	21.4





#39

1,2-Dichloropropane

Concen: 6.883 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 8:00

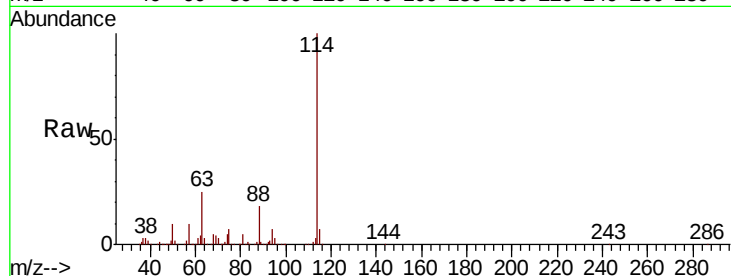
Tot Ion: 63 Resp: 737358

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

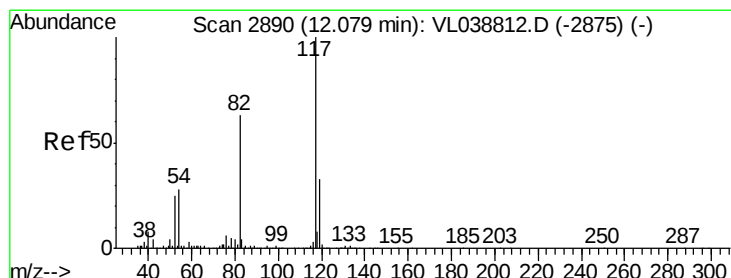
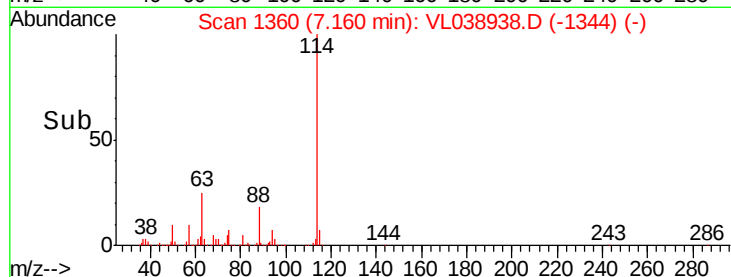
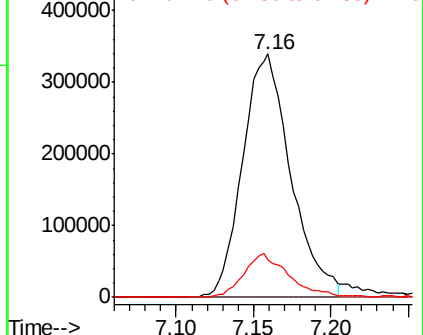
62 15.6 55.0 82.4#



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: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038938.D

Acq: 15 Apr 2022 8:00

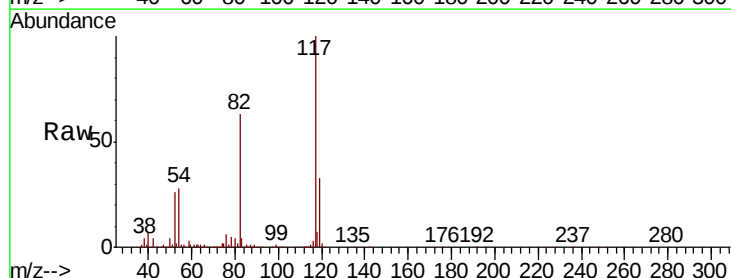
Tgt Ion: 117 Resp: 2772160

Ion Ratio Lower Upper

117 100

82 68.0 53.0 79.6

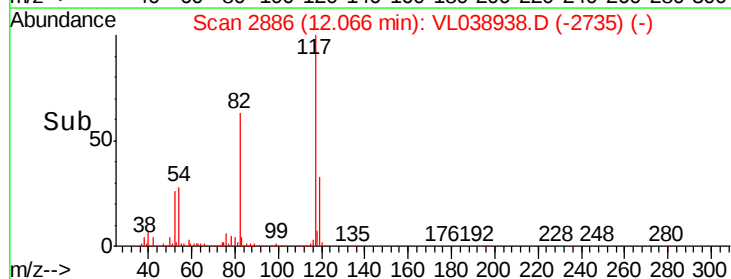
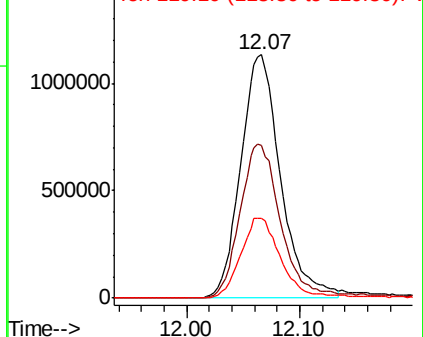
119 34.2 24.9 37.3

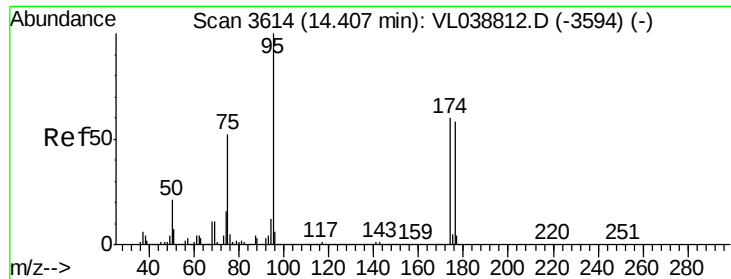


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.830 ppbv

RT: 14.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 8:00

Tot Ion: 95 Resp: 2067090

Ion Ratio Lower Upper

95 100

174 67.7 52.0 78.0

175 4.9 4.0 6.0

