

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038823.D
 Acq On : 5 Apr 2022 23:43
 Operator : SY/AP
 Sample : OC040422 CAN10326
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 06:26:40 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	5.67	49	1425083	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3747376	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3354065	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2542153	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

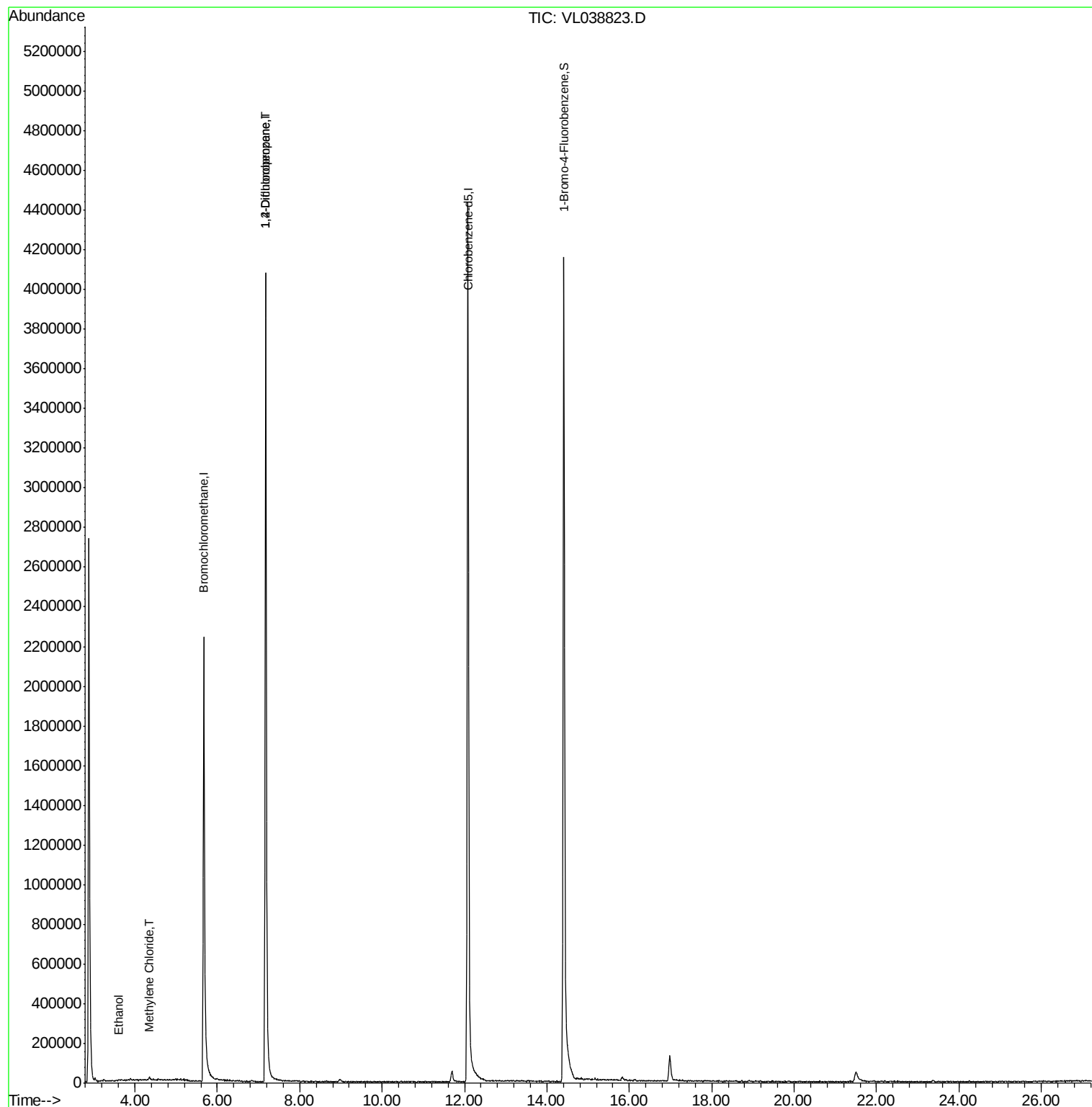
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	509	0.091	ppbv #	100
20) Methylene Chloride	4.34	84	2131	0.041	ppbv #	71
39) 1,2-Dichloropropane	7.17	63	894544	6.860	ppbv #	26

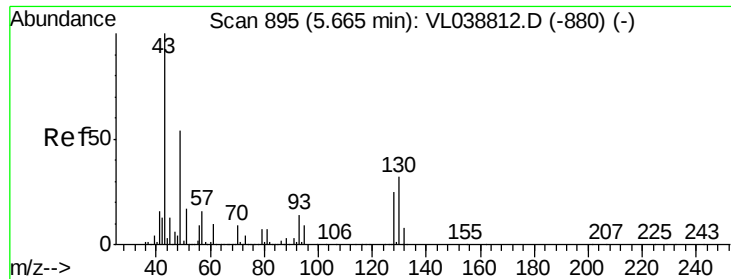
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 23:43

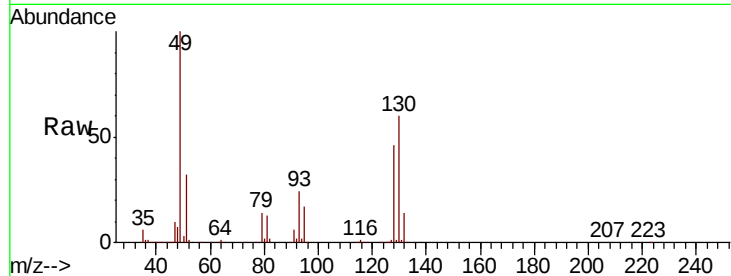
Tot Ion: 49 Resp: 1425083

Ion Ratio Lower Upper

49 100

128 49.2 24.1 72.3

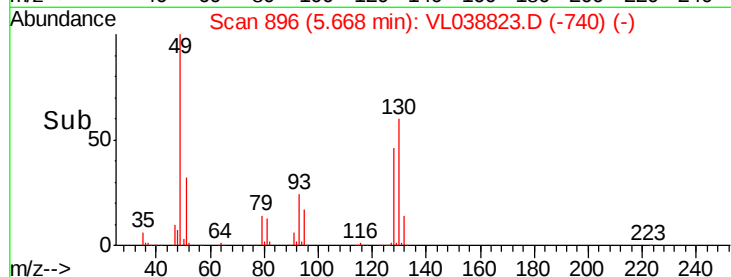
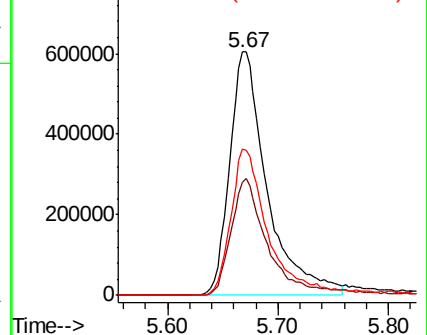
130 62.2 30.9 92.8



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: 0.091 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL038823.D

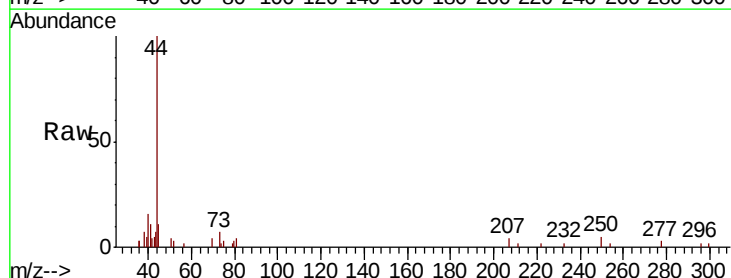
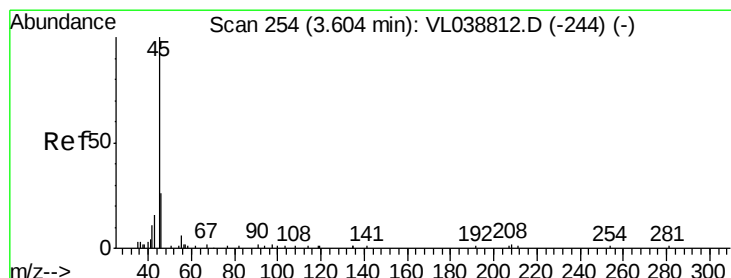
Acq: 5 Apr 2022 23:43

Tgt Ion: 45 Resp: 509

Ion Ratio Lower Upper

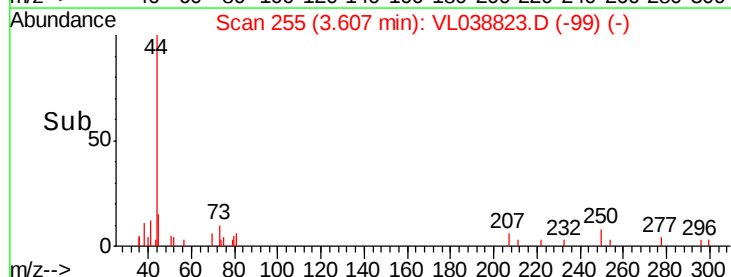
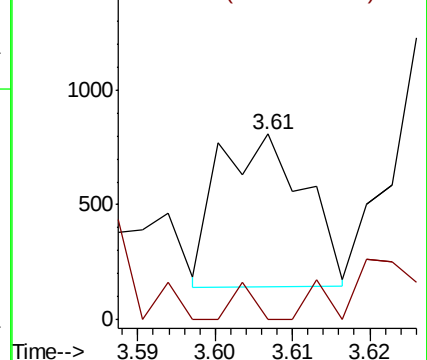
45 100

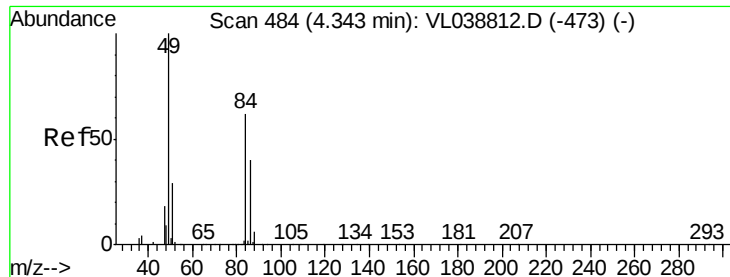
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

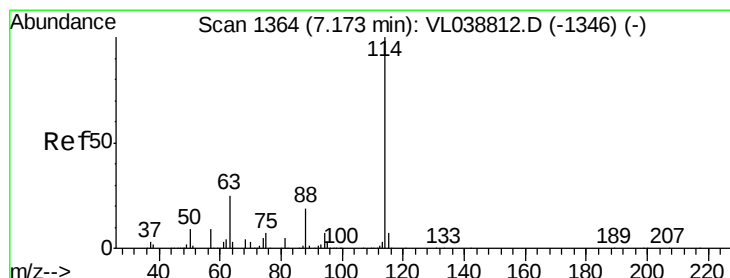
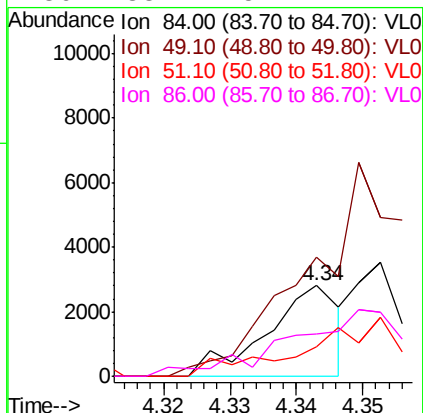
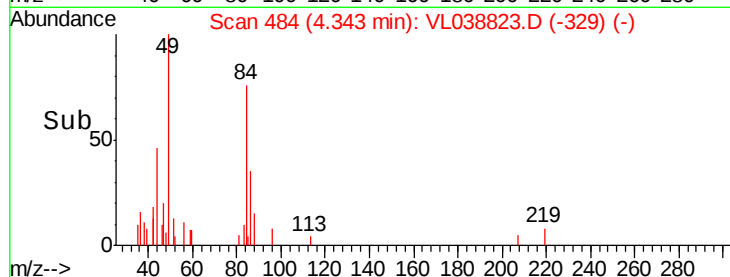
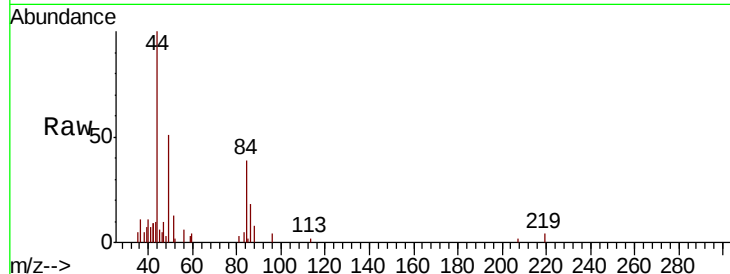
Ion 46.10 (45.80 to 46.80): VL0





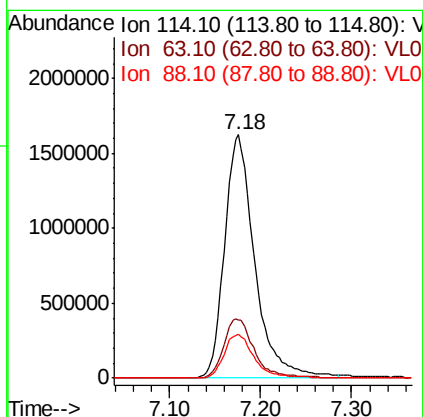
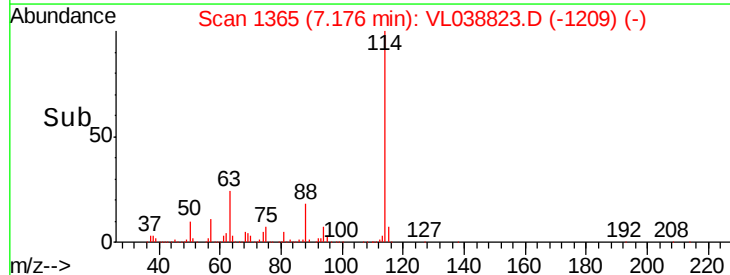
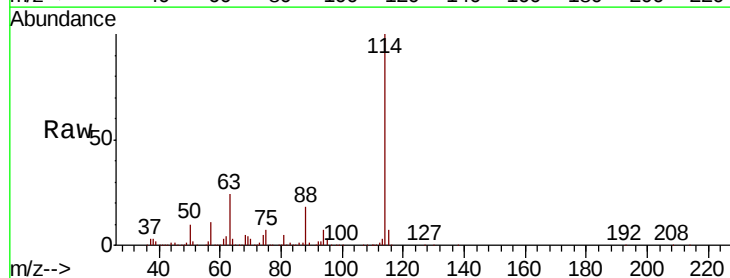
#20
Methylene Chloride
Concen: 0.041 ppbv
RT: 4.34 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 Apr 2022 23:43

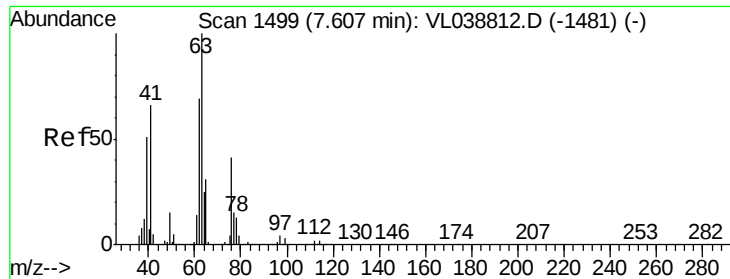
Tot Ion:	84	Resp:	2131
Ion	Ratio	Lower	Upper
84	100		
49	122.4	129.4	194.0#
51	32.4	37.4	56.2#
86	38.2	51.4	77.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T.: 0.00 min
Lab File: VL038823.D
Acq: 5 Apr 2022 23:43

Tgt Ion:	114	Resp:	3747376
Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.8	29.8
88	18.3	14.2	21.4





#39

1,2-Dichloropropane

Concen: 6.860 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 23:43

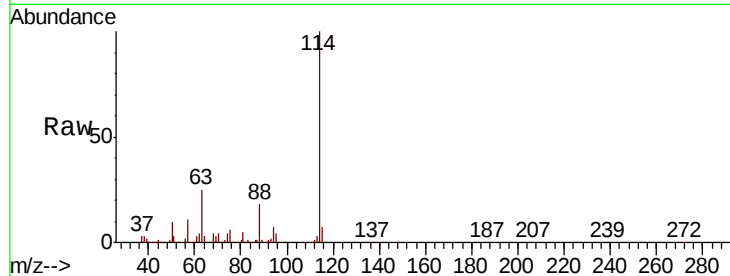
Tot Ion: 63 Resp: 894544

Ion Ratio Lower Upper

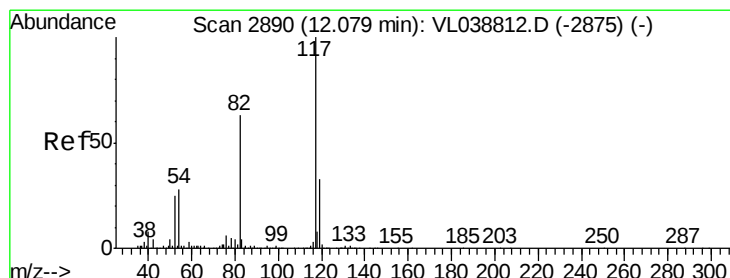
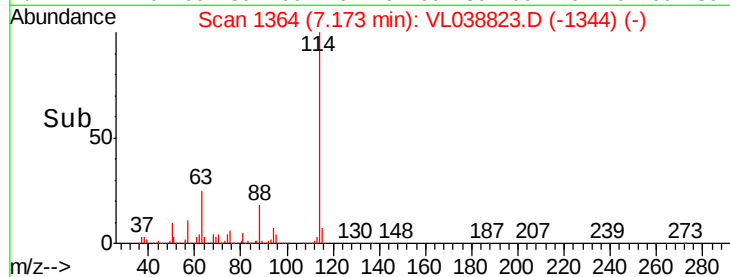
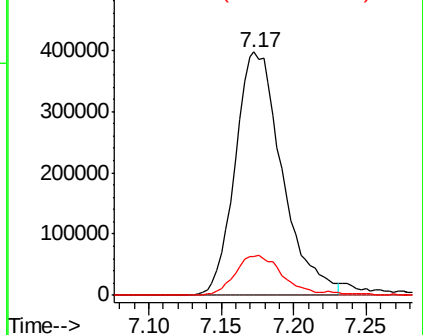
63 100

41 0.0 53.0 79.6#

62 15.7 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: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL038823.D

Acq: 5 Apr 2022 23:43

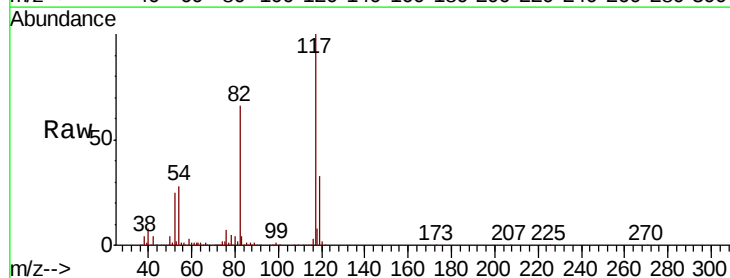
Tgt Ion: 117 Resp: 3354065

Ion Ratio Lower Upper

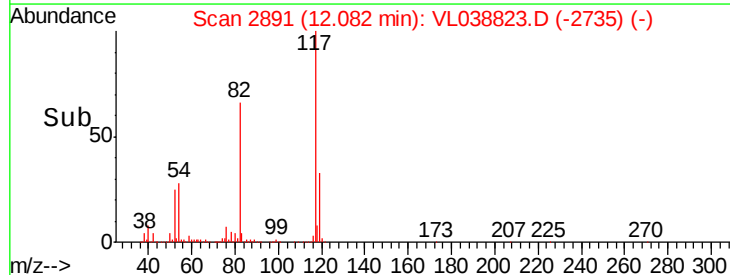
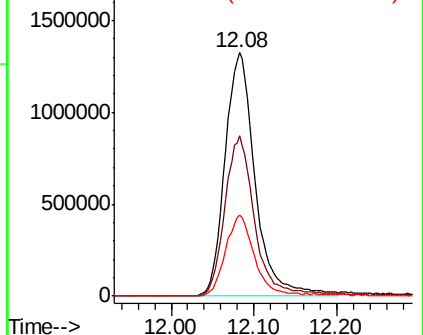
117 100

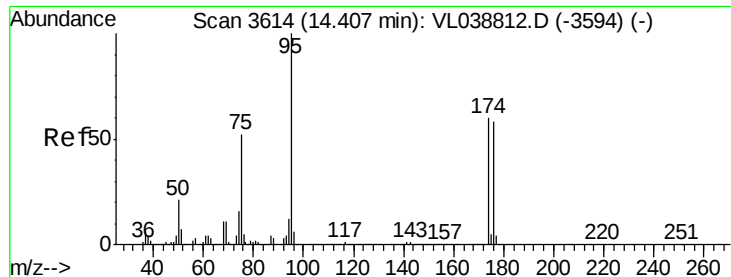
82 65.4 53.0 79.6

119 33.1 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: 9.992 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Apr 2022 23:43

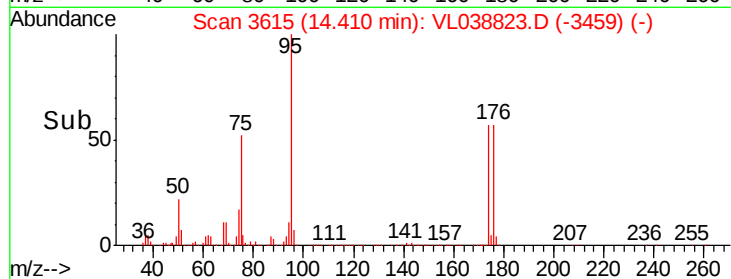
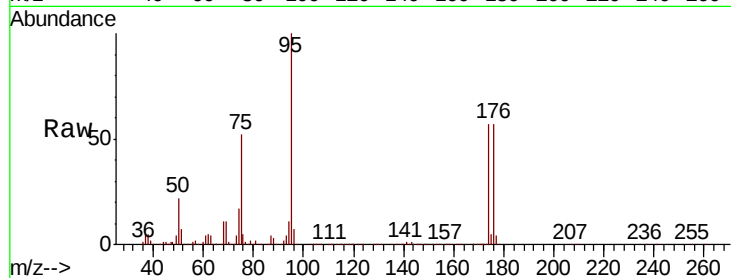
Tot Ion: 95 Resp: 2542153

Ion Ratio Lower Upper

95 100

174 62.5 52.0 78.0

175 4.4 4.0 6.0



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

