

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041222\
 Data File : VL038899.D
 Acq On : 12 Apr 2022 20:34
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 13 01:18:26 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.66	49	1065558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2516385	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2190942	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1702800	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

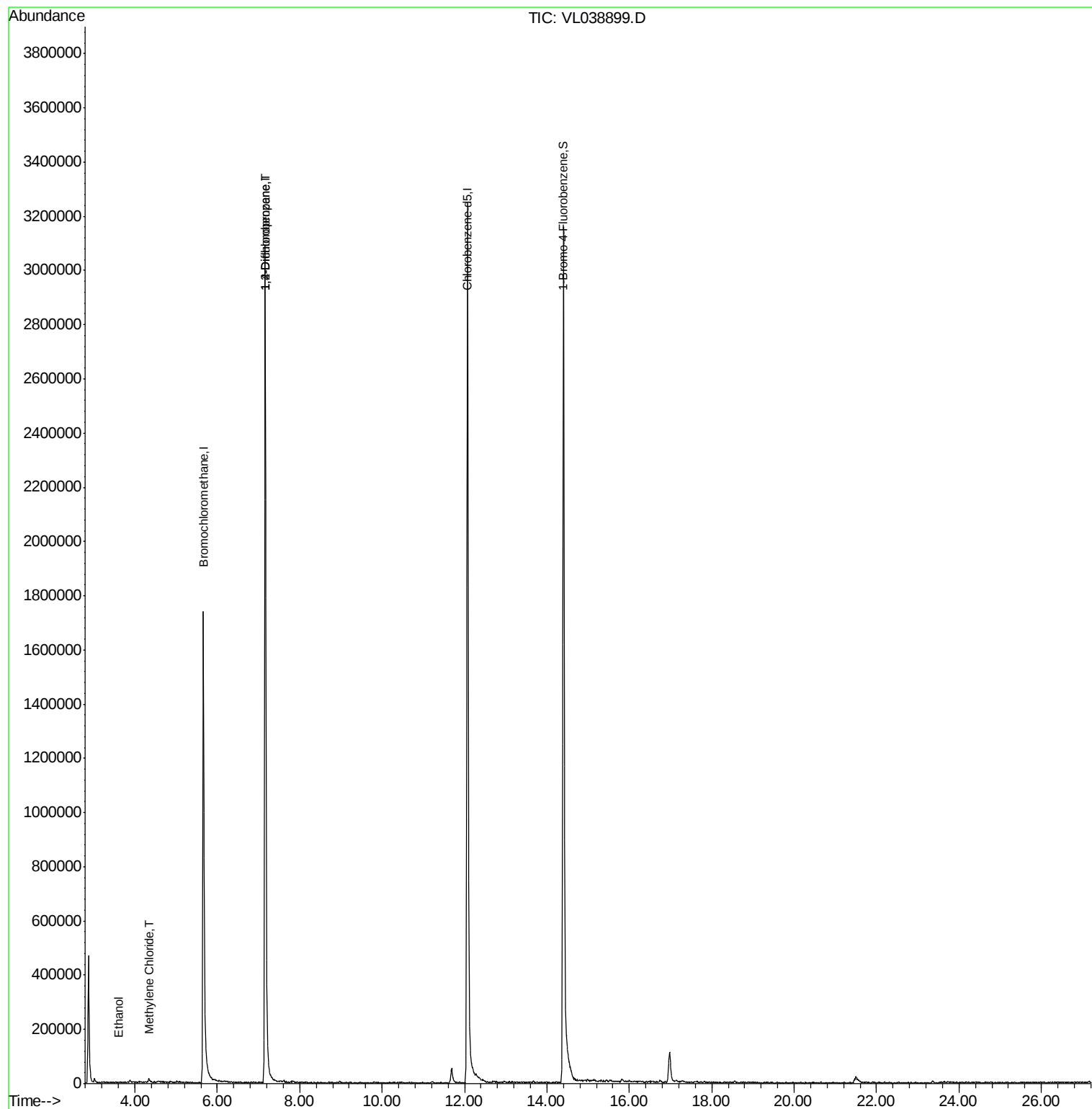
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	180	0.043	ppbv #	100
20) Methylene Chloride	4.33	84	1667	0.043	ppbv #	46
39) 1,2-Dichloropropane	7.16	63	686060	7.835	ppbv #	27

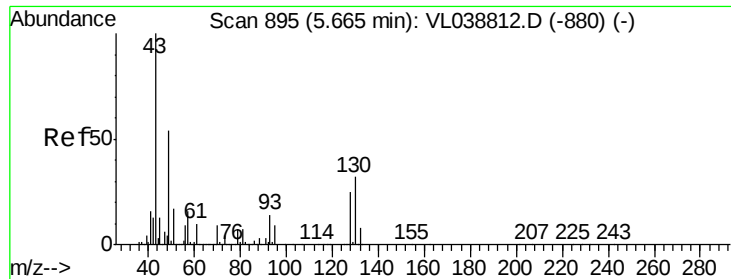
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 20:34

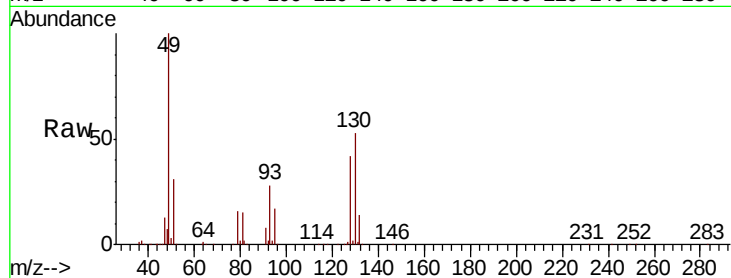
Tot Ion: 49 Resp: 1065558

Ion Ratio Lower Upper

49 100

128 46.0 24.1 72.3

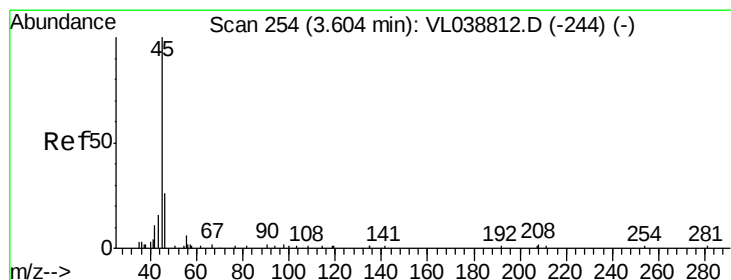
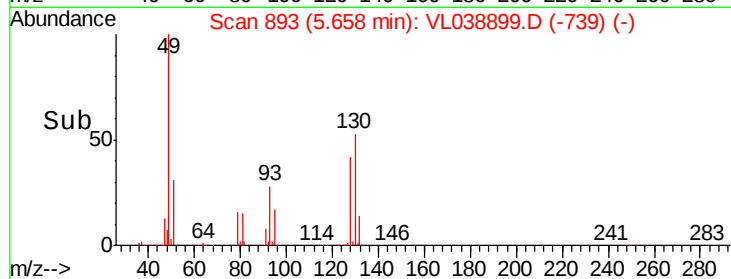
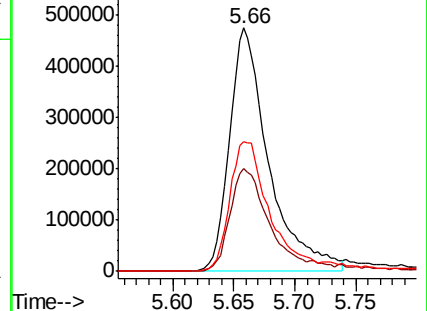
130 59.1 30.9 92.8



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: 0.043 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL038899.D

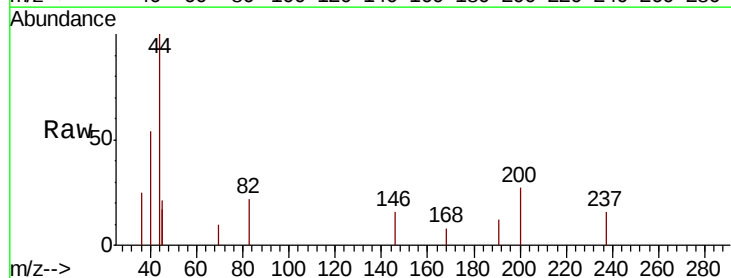
Acq: 12 Apr 2022 20:34

Tgt Ion: 45 Resp: 180

Ion Ratio Lower Upper

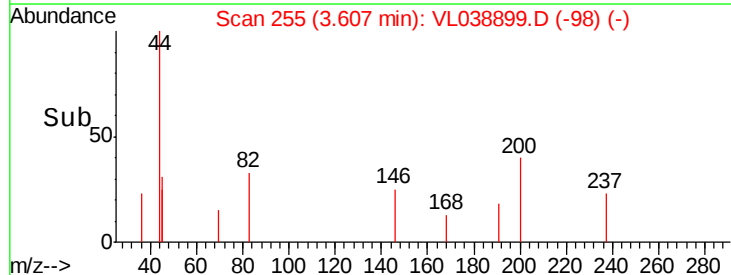
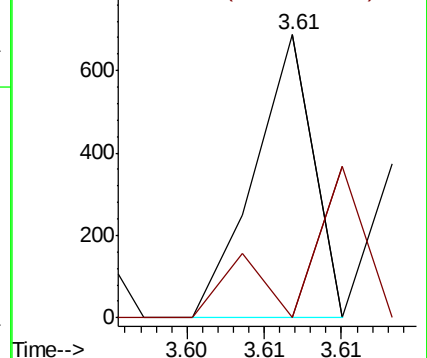
45 100

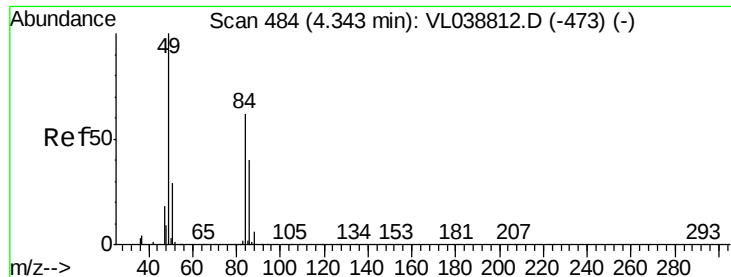
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

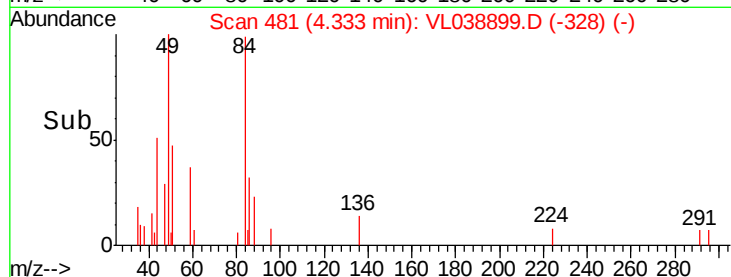
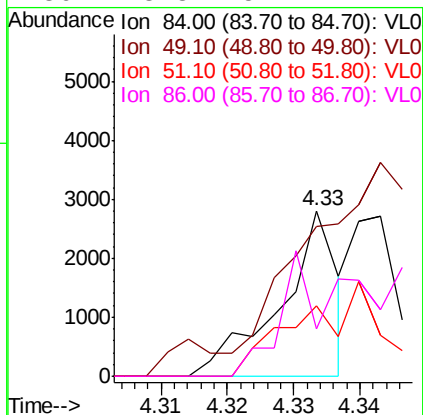
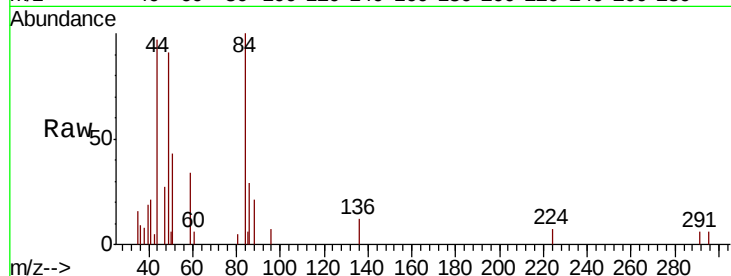
Ion 46.10 (45.80 to 46.80): VL0





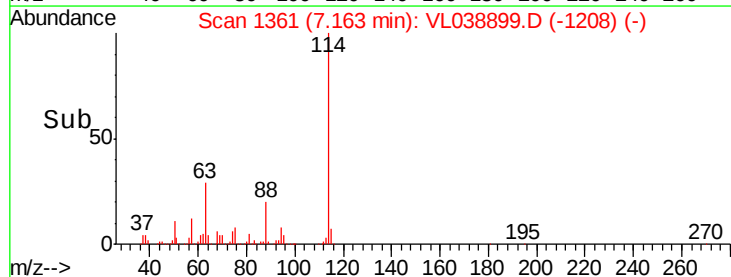
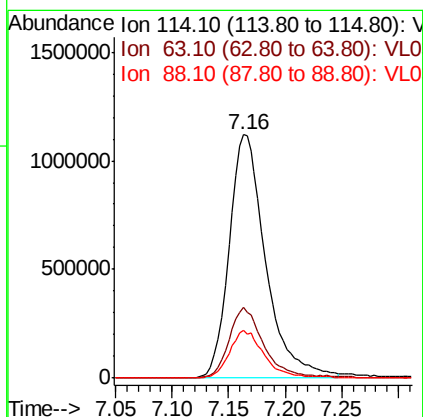
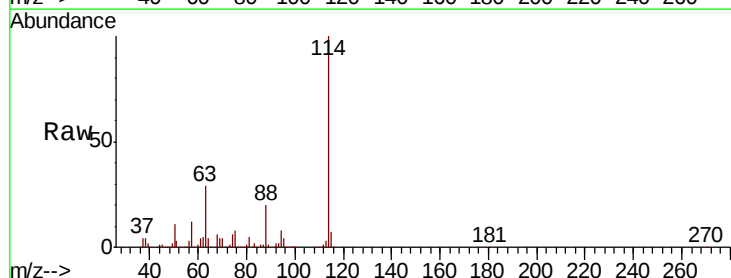
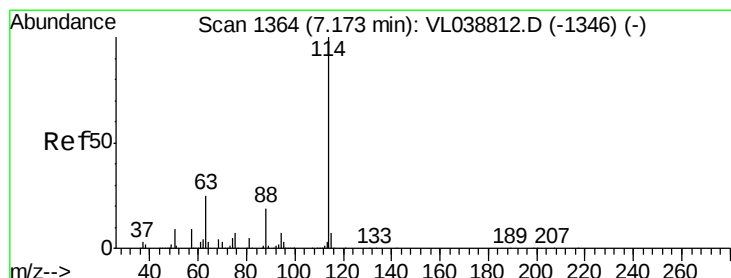
#20
Methvlene Chloride
Concen: 0.043 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 12 Apr 2022 20:34

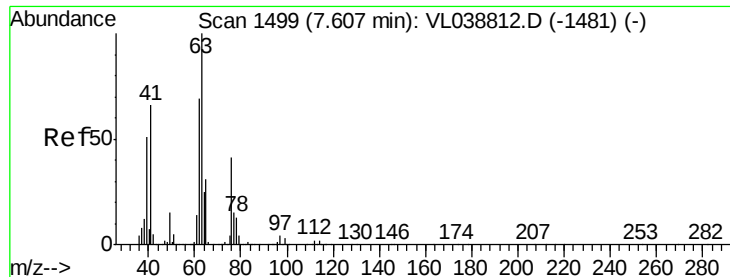
Tot Ion:	84	Resp:	1667
Ion	Ratio	Lower	Upper
84	100		
49	68.1	129.4	194.0#
51	42.5	37.4	56.2
86	28.8	51.4	77.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL038899.D
Acq: 12 Apr 2022 20:34

Tgt Ion:	114	Resp:	2516385
Ion	Ratio	Lower	Upper
114	100		
63	28.2	19.8	29.8
88	19.2	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.835 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 20:34

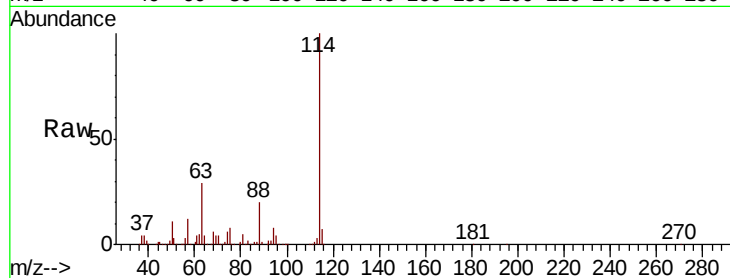
Tot Ion: 63 Resp: 686060

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

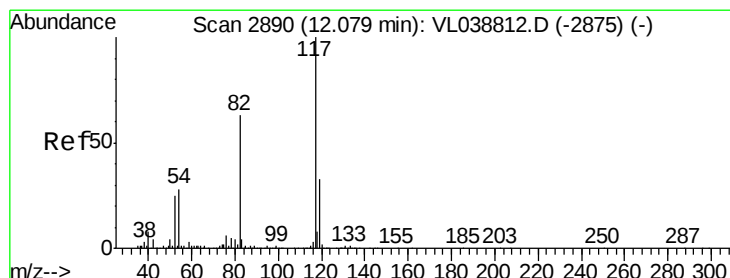
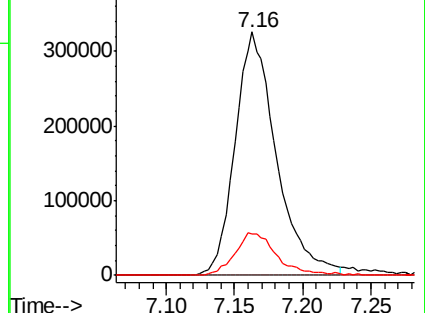
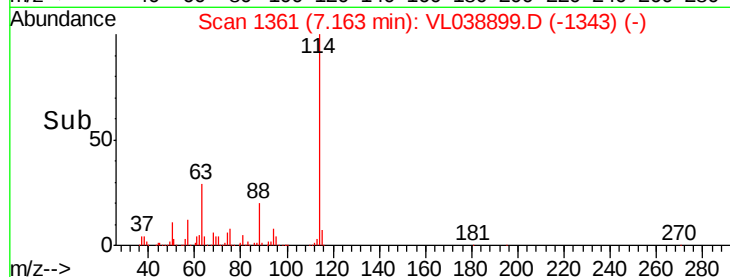
62 16.9 55.0 82.4#



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# 2888

Delta R.T. -0.01 min

Lab File: VL038899.D

Acq: 12 Apr 2022 20:34

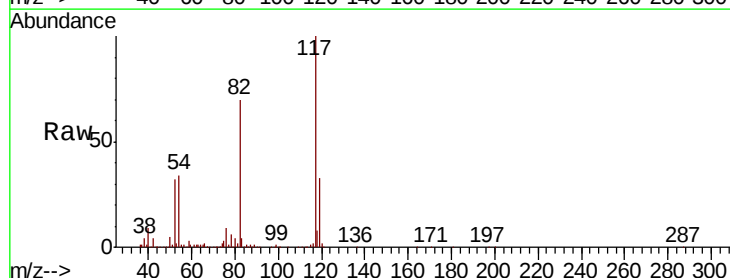
Tgt Ion: 117 Resp: 2190942

Ion Ratio Lower Upper

117 100

82 73.4 53.0 79.6

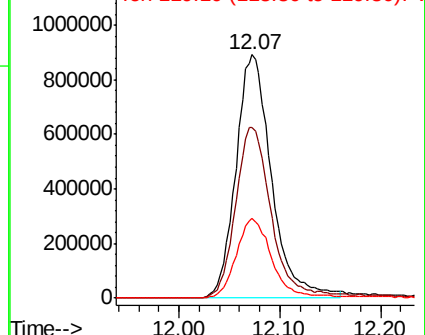
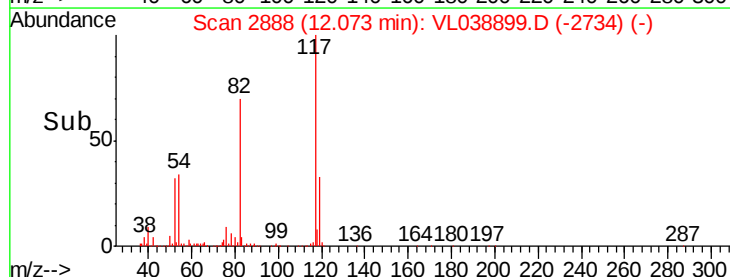
119 33.8 24.9 37.3

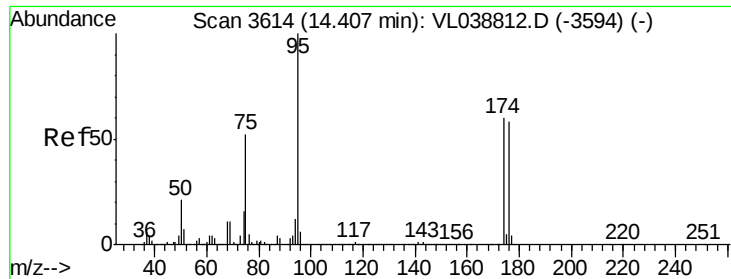


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.246 ppbv

RT: 14.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Apr 2022 20:34

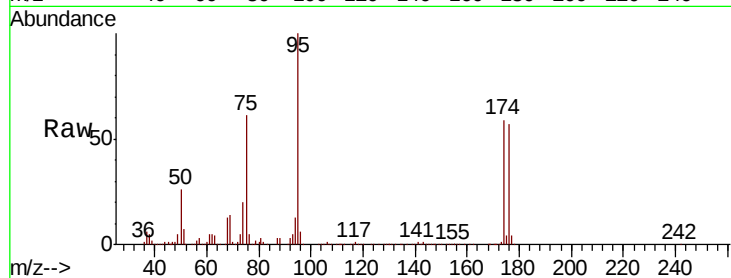
Tot Ion: 95 Resp: 1702800

Ion Ratio Lower Upper

95 100

174 64.0 52.0 78.0

175 4.7 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

