

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038921.D
 Acq On : 14 Apr 2022 16:52
 Operator : SY/AP
 Sample : OC041322 CAN 10413
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041322 CAN 10413

Quant Time: Apr 15 08:06:44 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	5.68	49	1189129	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2792166	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2309350	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1948642	11.12	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.20%

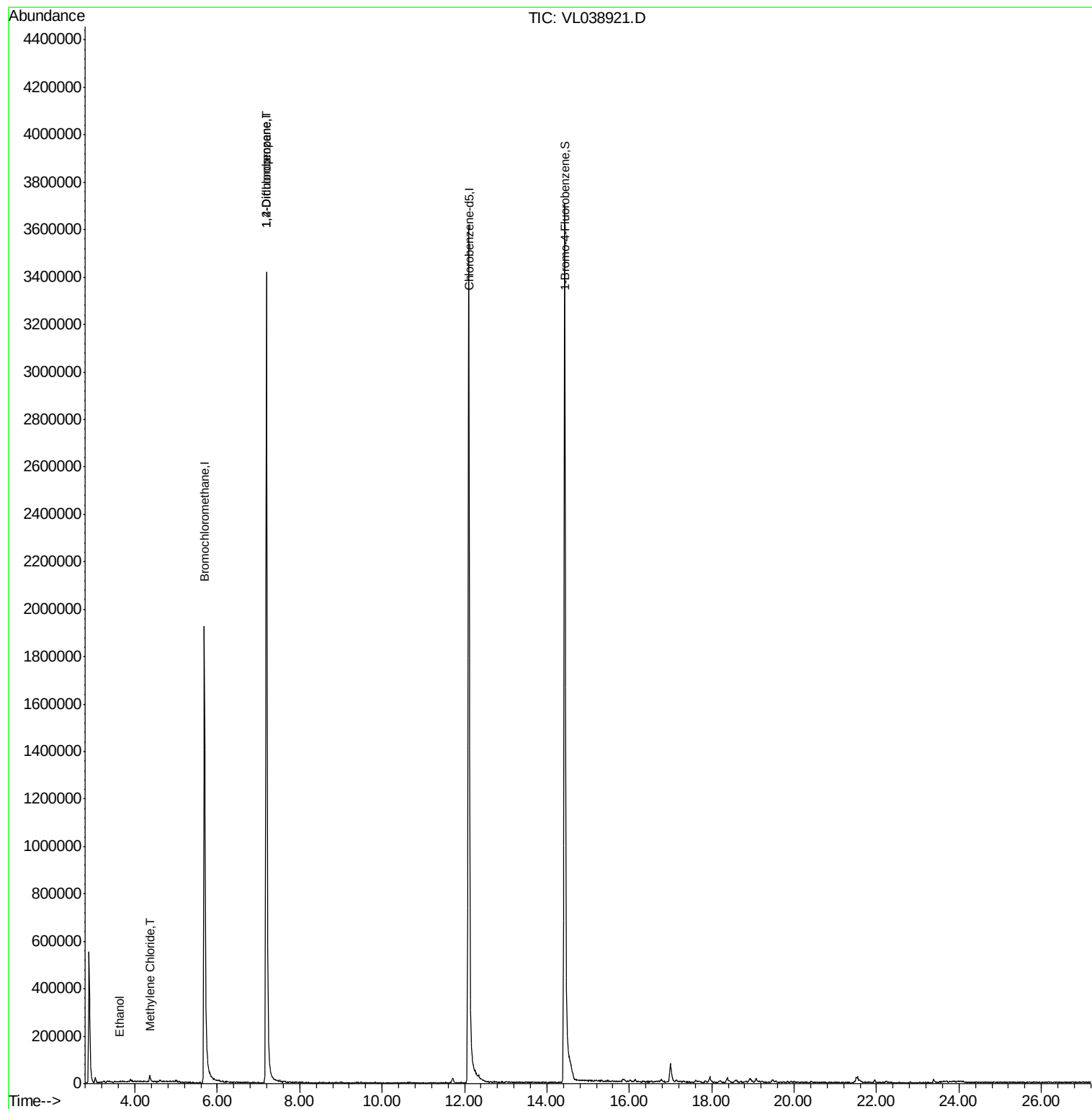
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	205	0.044	ppbv #	100
20) Methylene Chloride	4.36	84	3250	0.076	ppbv #	57
39) 1,2-Dichloropropane	7.19	63	761729	7.840	ppbv #	28

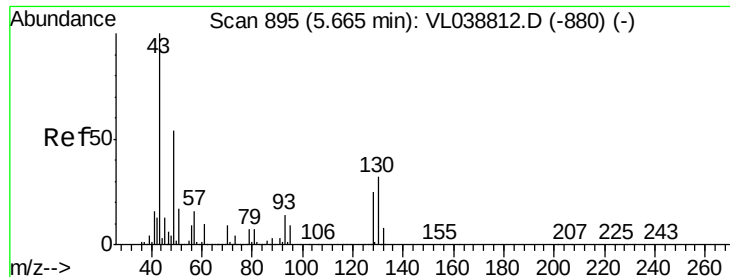
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Apr 2022 16:52

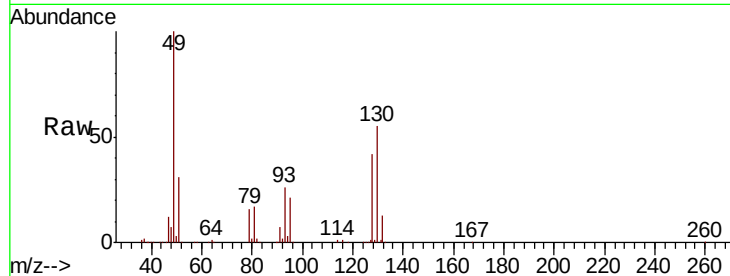
Tot Ion: 49 Resp: 1189129

Ion Ratio Lower Upper

49 100

128 45.1 24.1 72.3

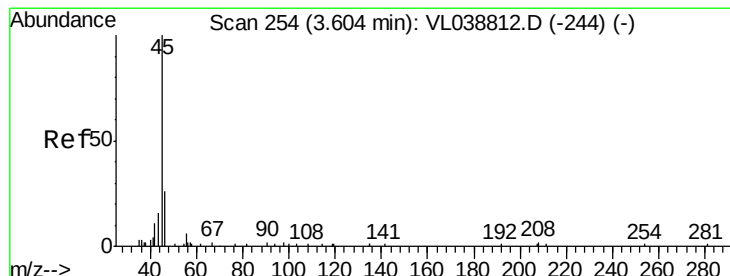
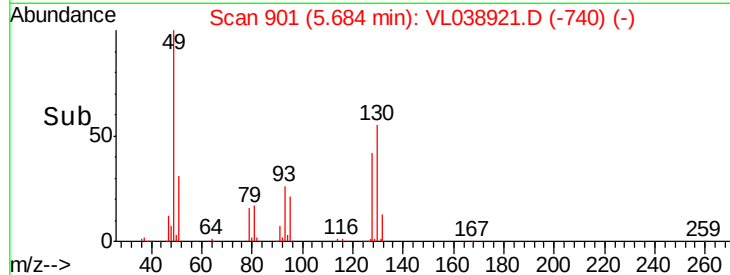
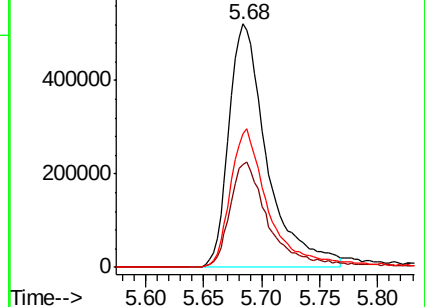
130 58.1 30.9 92.8



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: 0.044 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL038921.D

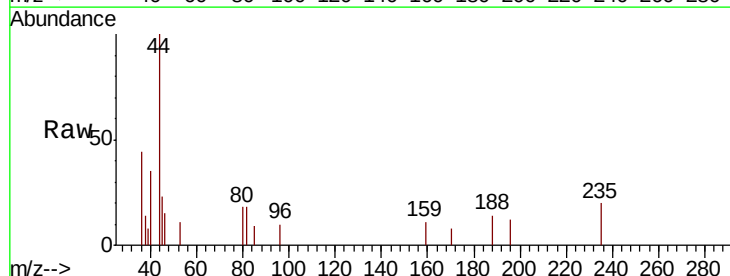
Acq: 14 Apr 2022 16:52

Tgt Ion: 45 Resp: 205

Ion Ratio Lower Upper

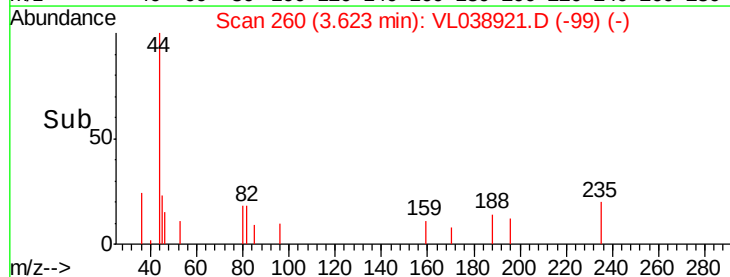
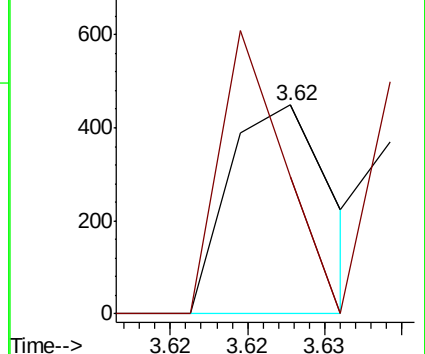
45 100

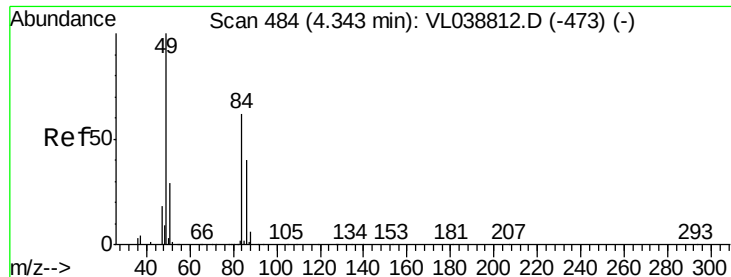
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

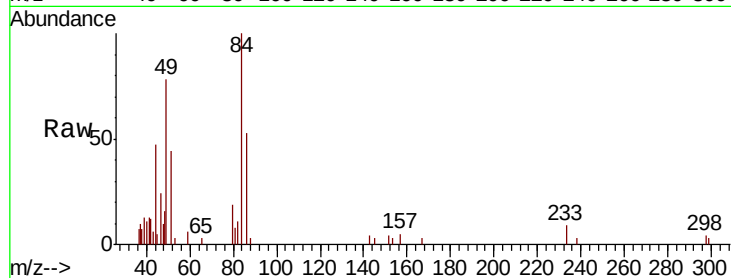
Ion 46.10 (45.80 to 46.80): VL0





#20
Methylene Chloride
Concen: 0.076 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 16:52

Tot Ion:	84	Resp:	3250
Ion	Ratio	Lower	Upper
84	100		
49	77.9	129.4	194.0#
51	39.5	37.4	56.2
86	52.9	51.4	77.2



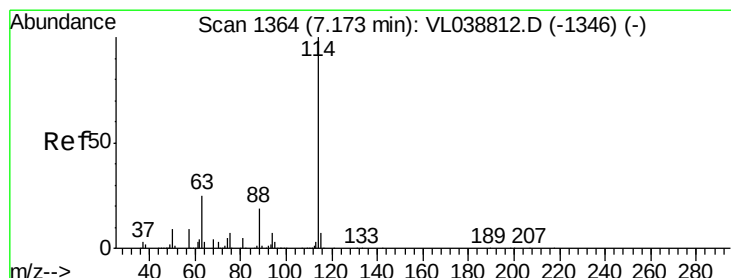
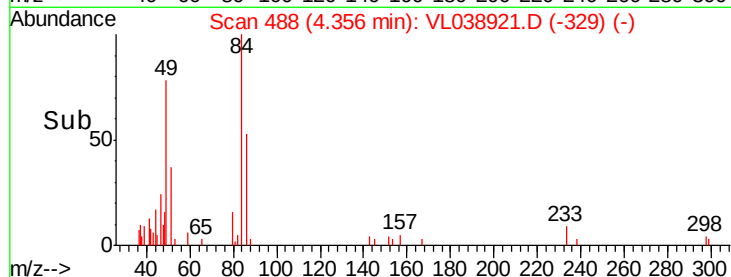
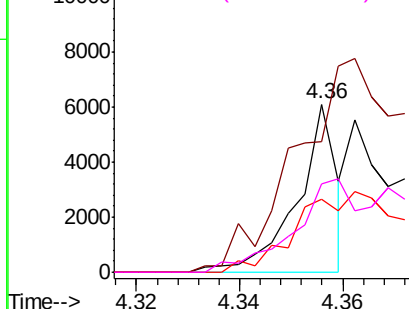
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

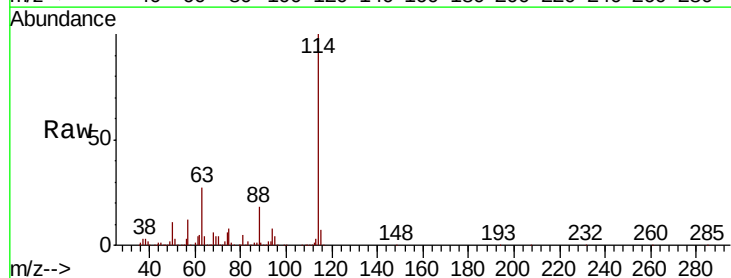
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T.: 0.02 min
Lab File: VL038921.D
Acq: 14 Apr 2022 16:52

Tgt Ion:	114	Resp:	2792166
Ion	Ratio	Lower	Upper
114	100		
63	27.9	19.8	29.8
88	19.1	14.2	21.4

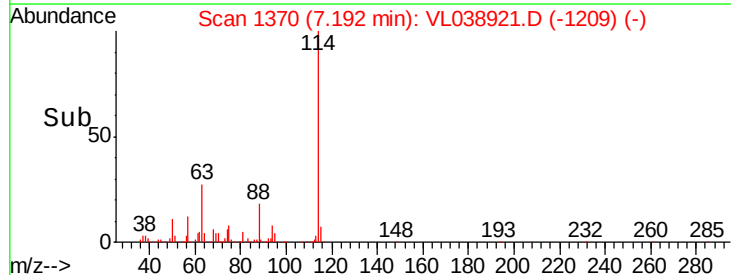
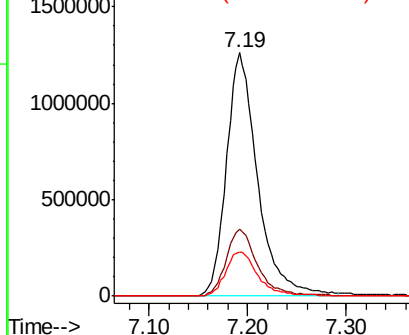


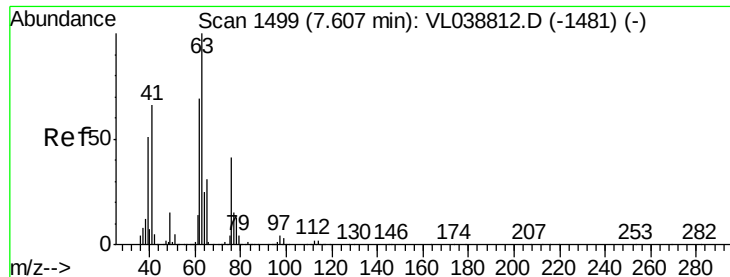
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.840 ppbv

RT: 7.19 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Apr 2022 16:52

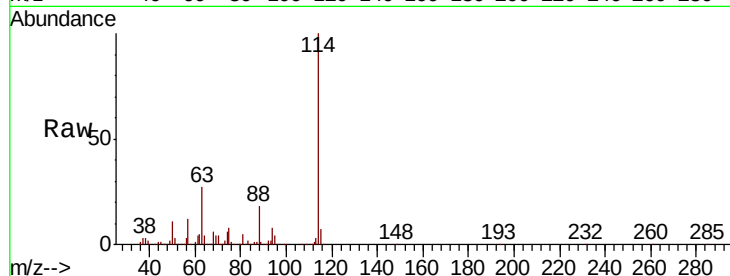
Tot Ion: 63 Resp: 761729

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

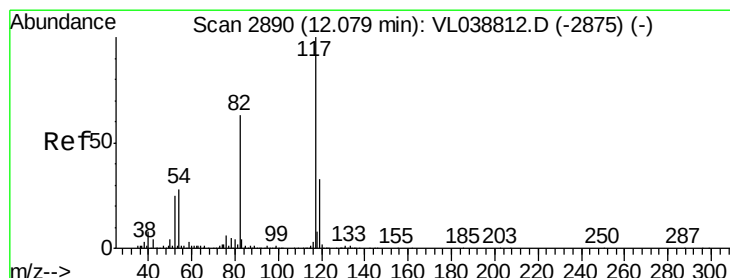
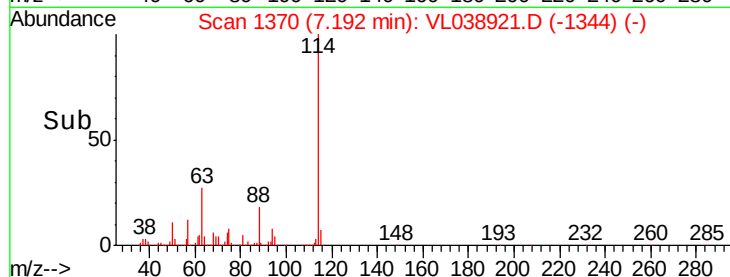
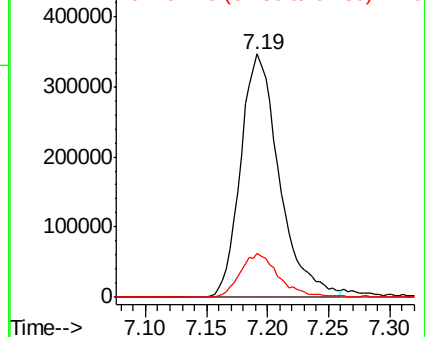
62 18.3 55.0 82.4#



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: 12.10 min Scan# 2897

Delta R.T. 0.02 min

Lab File: VL038921.D

Acq: 14 Apr 2022 16:52

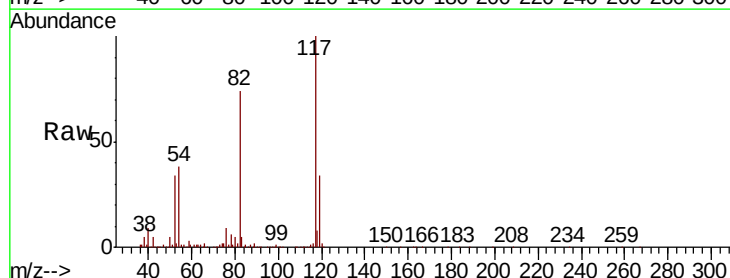
Tgt Ion: 117 Resp: 2309350

Ion Ratio Lower Upper

117 100

82 76.2 53.0 79.6

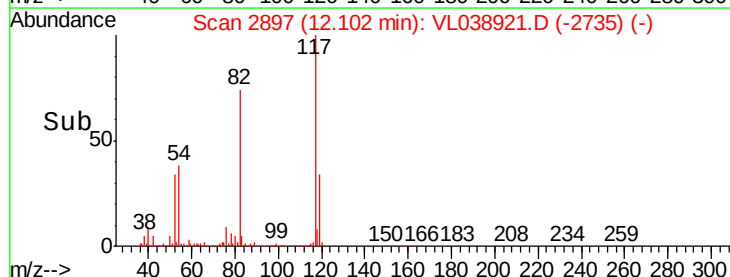
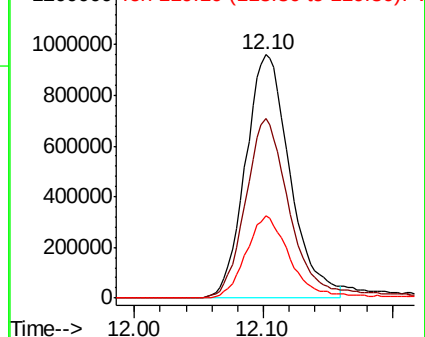
119 34.3 24.9 37.3

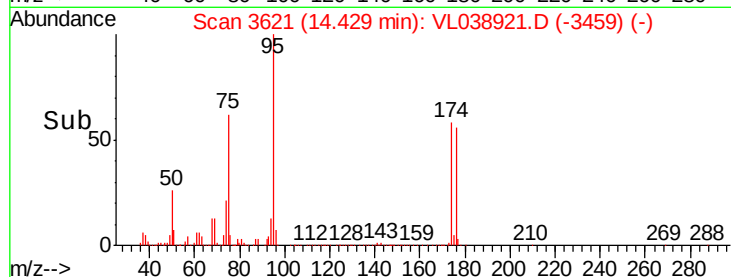
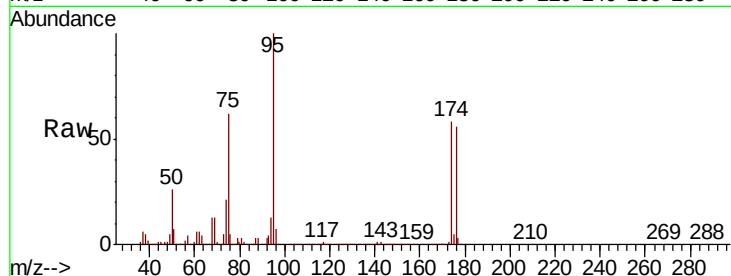
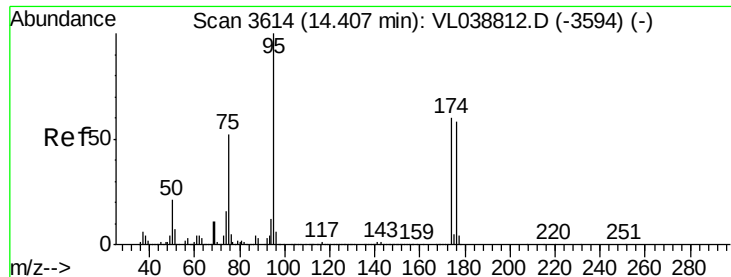


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.124 ppbv

RT: 14.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Apr 2022 10:52

Tot Ion: 95 Resp: 1948642

Ion Ratio Lower Upper

95 100

174 63.3 52.0 78.0

175 4.5 4.0 6.0

