

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037797.D
 Acq On : 7 Oct 2021 15:11
 Operator : SY/AP
 Sample : VL1007ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABL01

Quant Time: Oct 08 10:05:32 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	5.65	49	1211266	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3552760	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3028026	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2078039	9.81	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

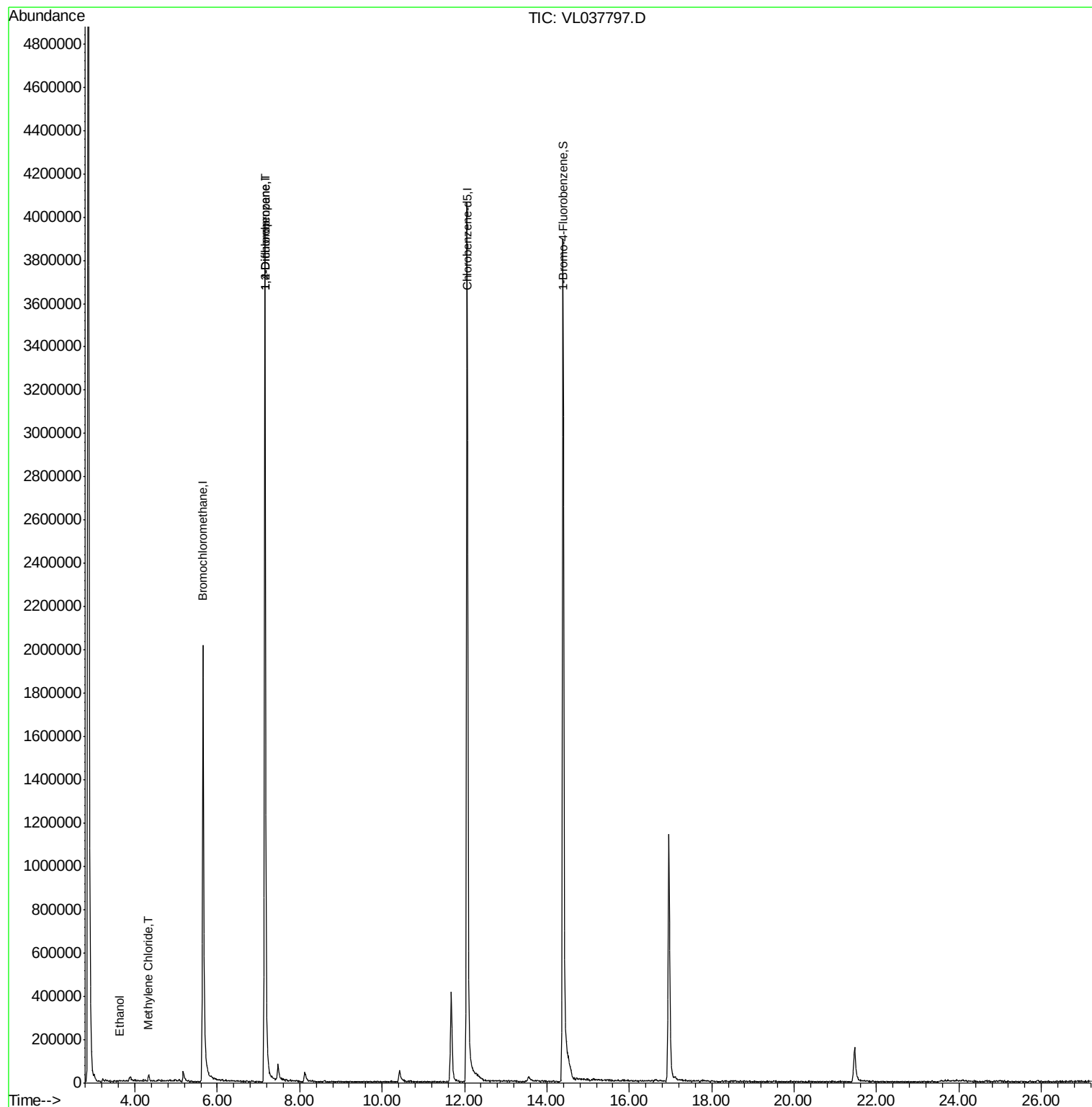
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.62	45	1530	0.218	ppbv	65
20) Methylene Chloride	4.33	84	7585	0.138	ppbv #	73
39) 1,2-Dichloropropane	7.16	63	816807	7.156	ppbv #	28

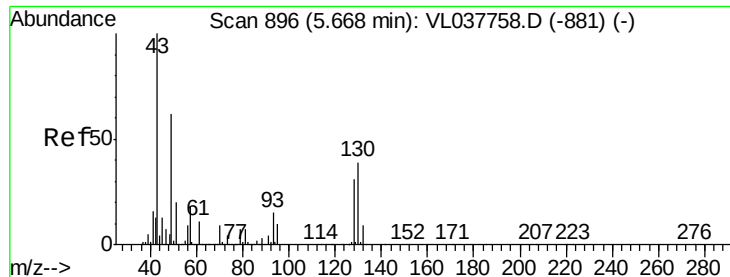
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

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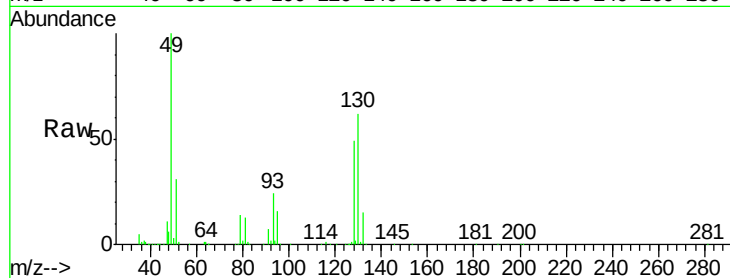
Tgt Ion: 49 Resp: 1211266

Ion Ratio Lower Upper

49 100

128 53.6 27.1 81.3

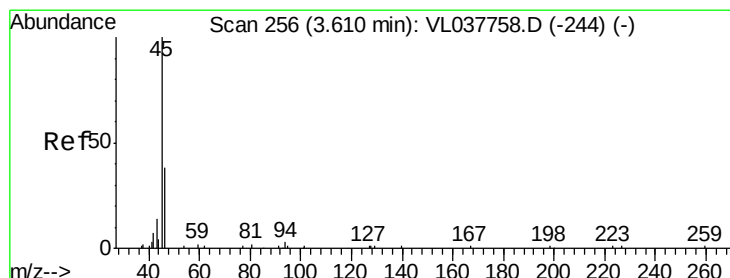
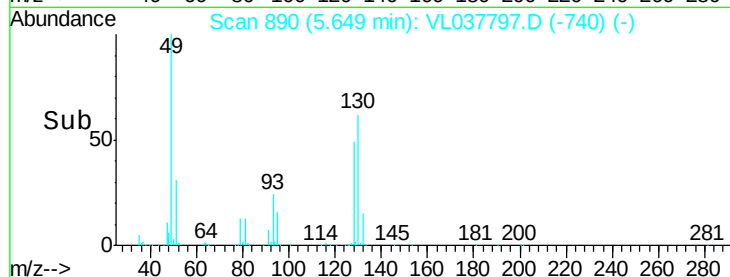
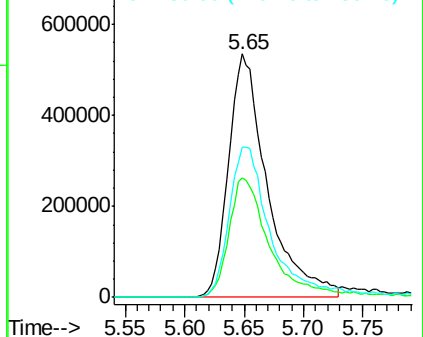
130 68.9 33.2 99.6



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: 0.218 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL037797.D

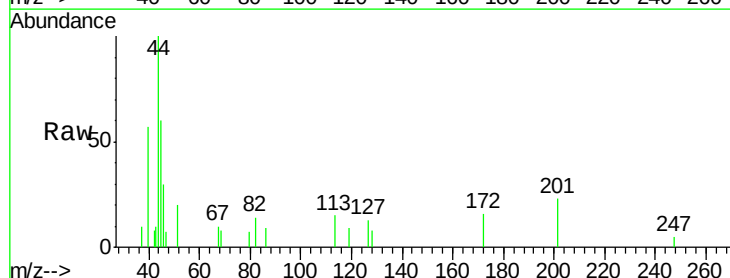
Acq: 7 Oct 2021 15:11

Tgt Ion: 45 Resp: 1530

Ion Ratio Lower Upper

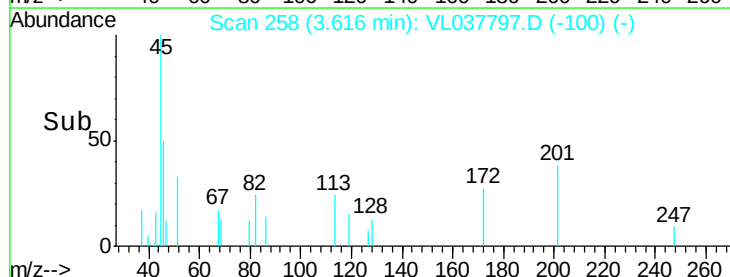
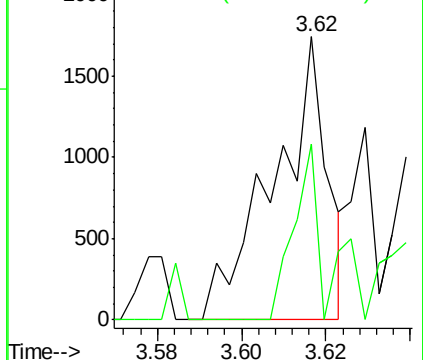
45 100

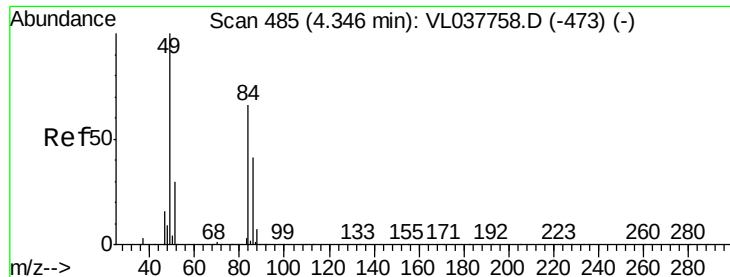
46 26.3 20.2 81.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

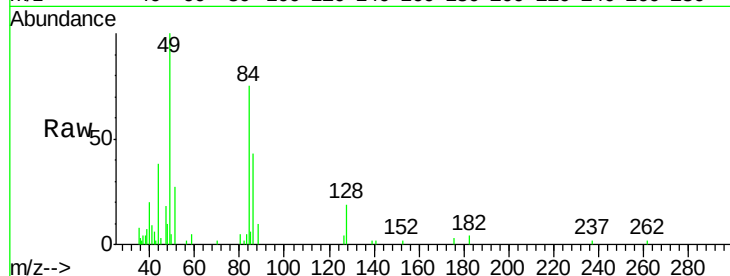




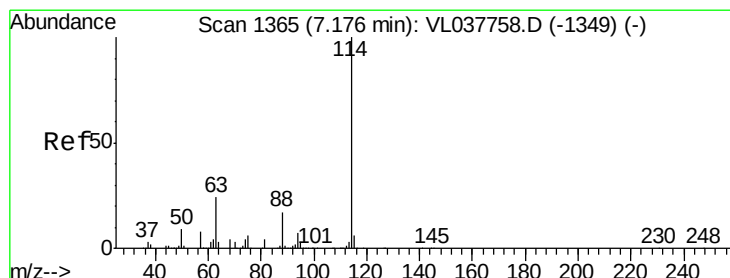
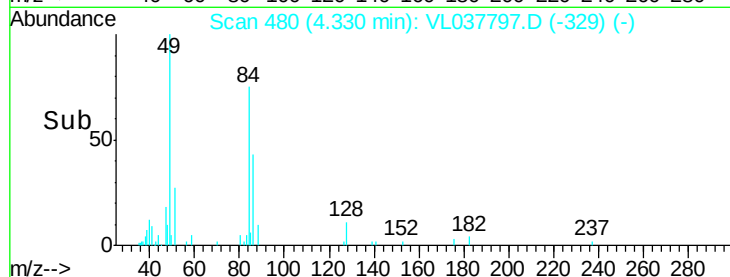
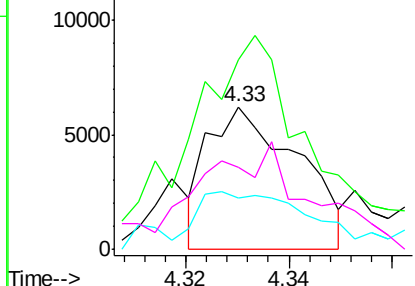
#20
Methylene Chloride
Concen: 0.138 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.02 min
Lab File: VL037797.D
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Tgt Ion: 84 Resp: 7585
Ion Ratio Lower Upper
84 100
49 120.3 120.7 181.1#
51 29.8 36.2 54.4#
86 34.4 49.6 74.4#

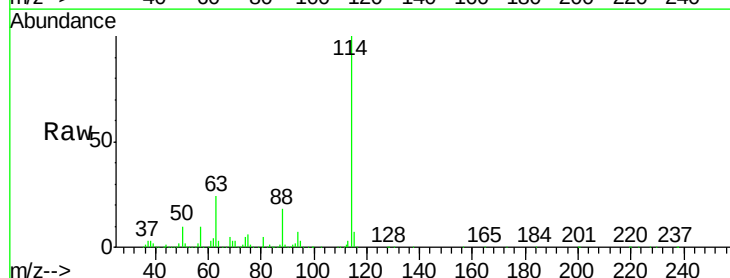


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

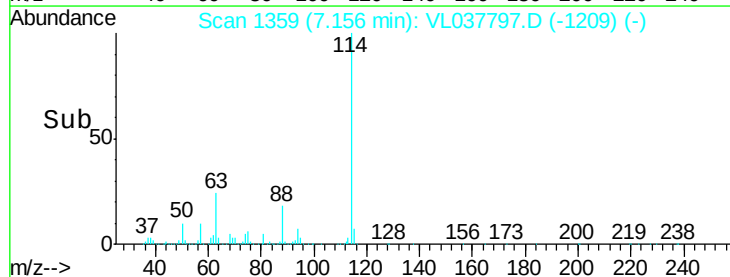
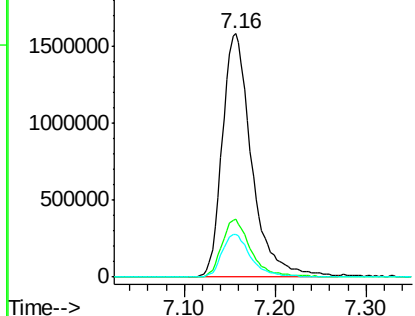


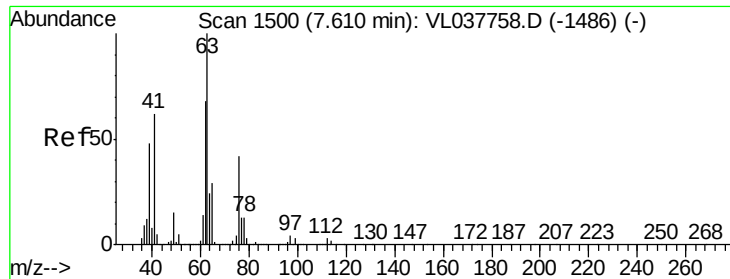
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL037797.D
Acq: 7 Oct 2021 15:11

Tgt Ion: 114 Resp: 3552760
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.2
88 17.6 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: 7.156 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.45 min

Lab File: VL037797.D

Acq: 7 Oct 2021 15:11

Instrument :

MSVOA_L

ClientSampleId :

VL1007ABL01

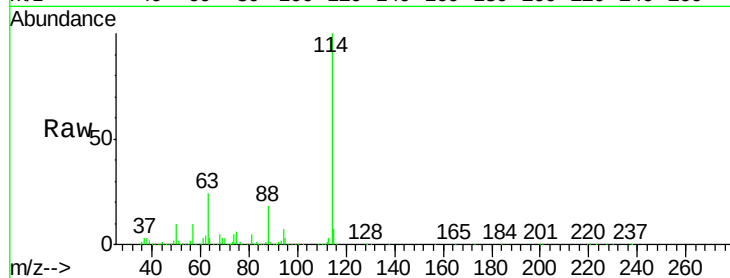
Tgt Ion: 63 Resp: 816807

Ion Ratio Lower Upper

63 100

41 0.1 49.8 74.6#

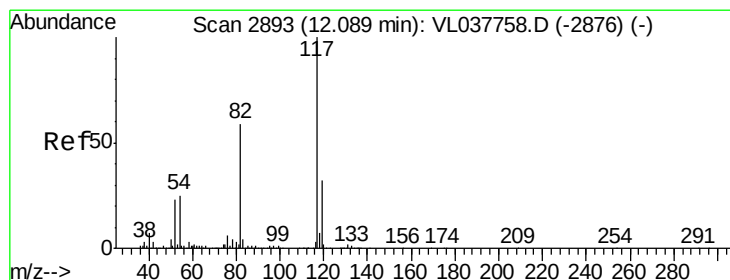
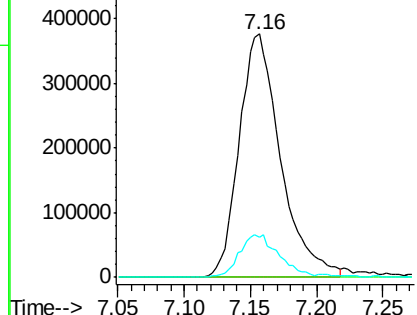
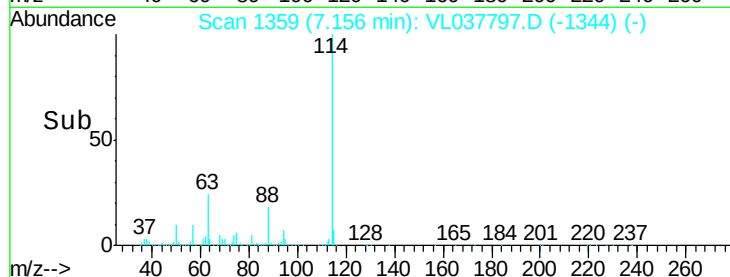
62 16.4 54.6 82.0#



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: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL037797.D

Acq: 7 Oct 2021 15:11

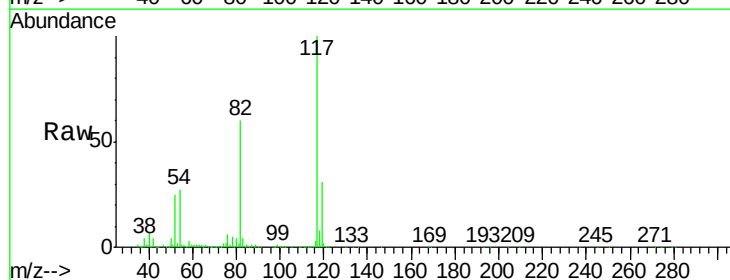
Tgt Ion: 117 Resp: 3028026

Ion Ratio Lower Upper

117 100

82 63.2 52.2 78.2

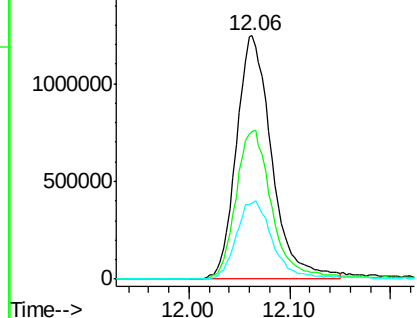
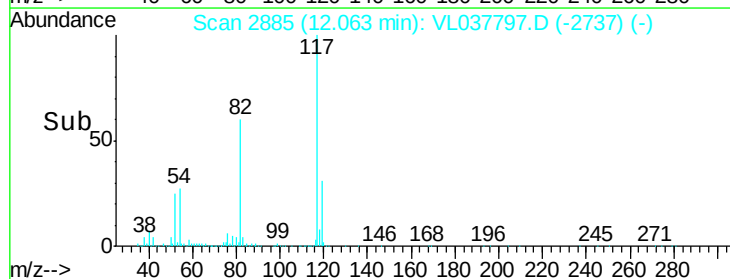
119 33.6 26.0 39.0

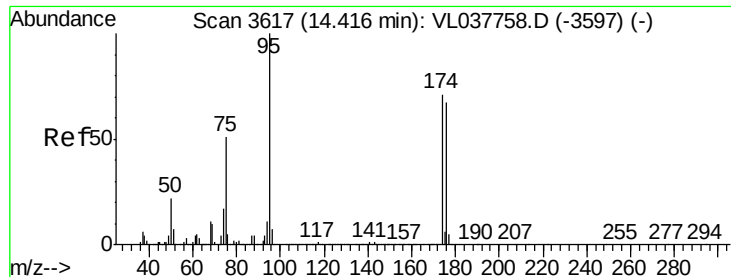


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.814 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.03 min
 Lab File: VL037797.D
 Acq: 7 Oct 2021 15:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1007ABL01

Tgt Ion: 95 Resp: 2078039
 Ion Ratio Lower Upper
 95 100
 174 74.8 57.8 86.6
 175 5.6 4.7 7.1

