

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037547.D
 Acq On : 7 Sep 2021 12:48
 Operator : SY/AP
 Sample : CAN 10321
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10321

Quant Time: Sep 08 11:10:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1669032	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	5040890	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4415373	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3170813	10.11	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

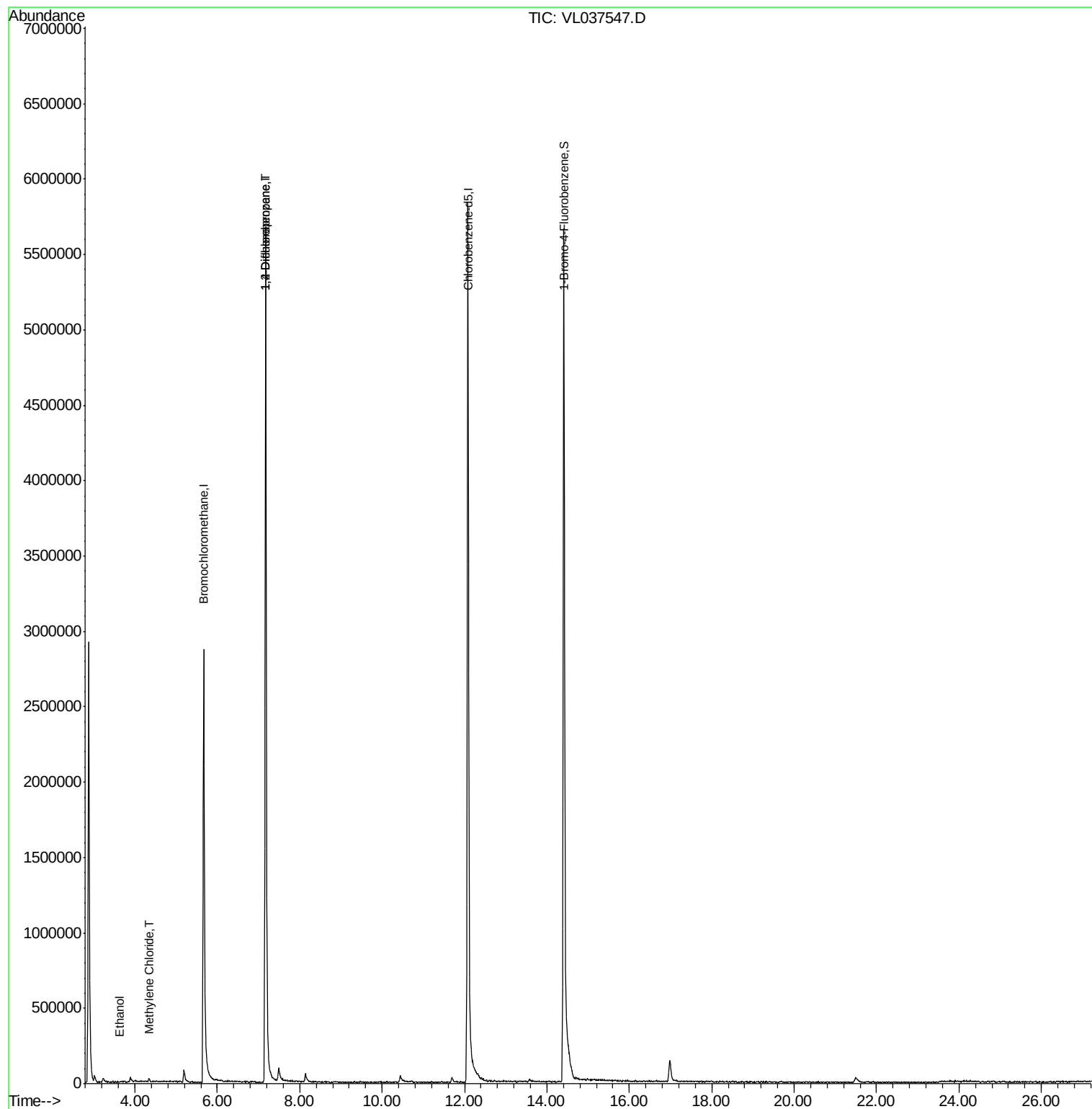
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	573	0.051	ppbv #	39
20) Methylene Chloride	4.34	84	4864	0.057	ppbv #	72
39) 1,2-Dichloropropane	7.17	63	1186331	7.286	ppbv #	28

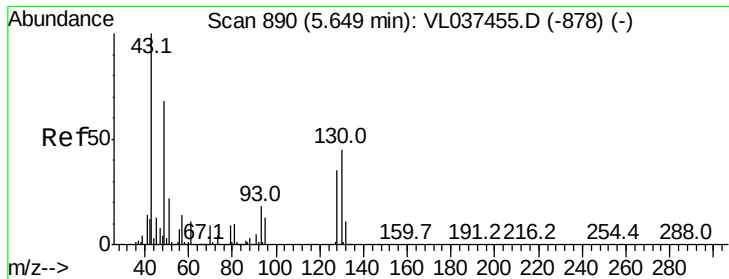
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037547.D

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CAN 10321

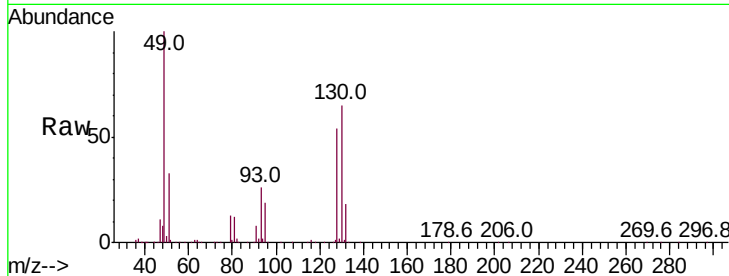
Tot Ion: 49 Resp: 1669032

Ion Ratio Lower Upper

49 100

128 56.9 27.5 82.4

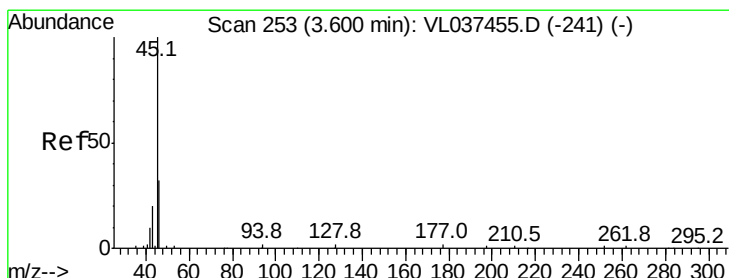
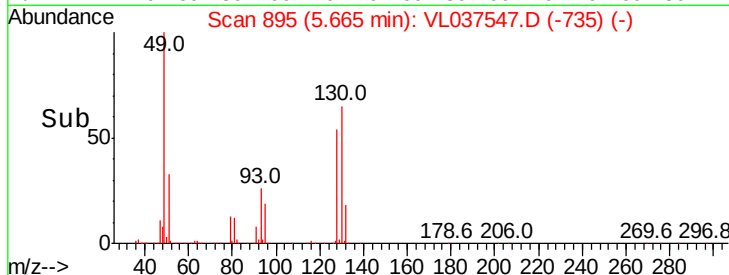
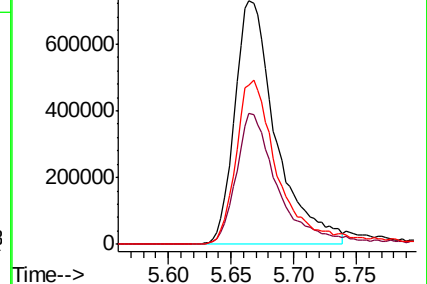
130 72.1 34.0 101.8



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: 0.051 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL037547.D

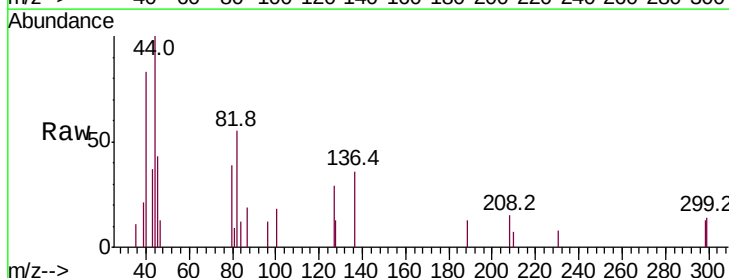
Acq: 7 Sep 2021 12:48

Tgt Ion: 45 Resp: 573

Ion Ratio Lower Upper

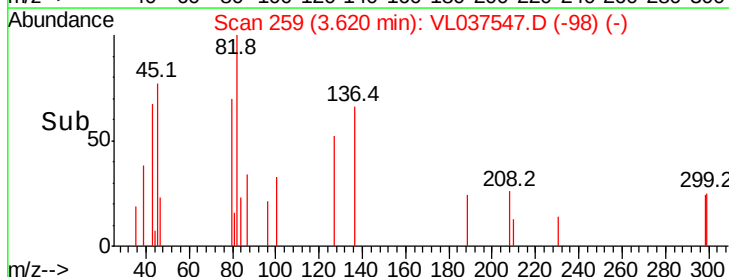
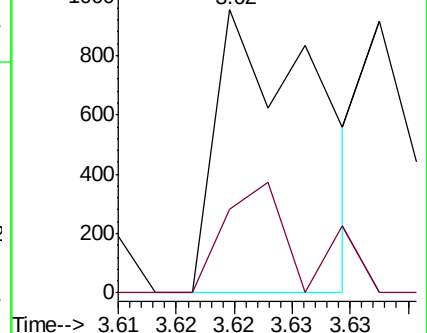
45 100

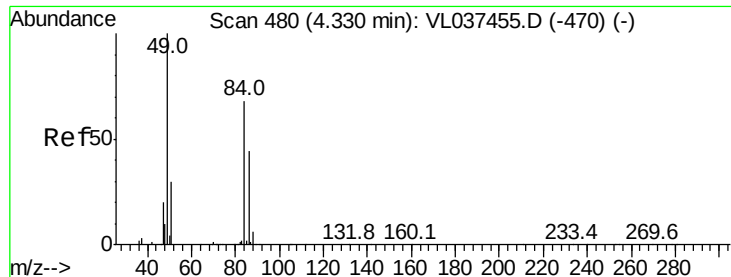
46 0.0 14.1 56.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

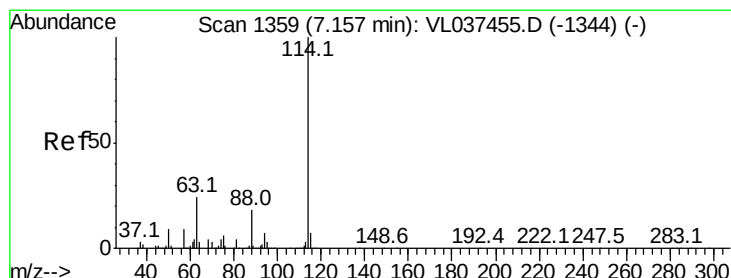
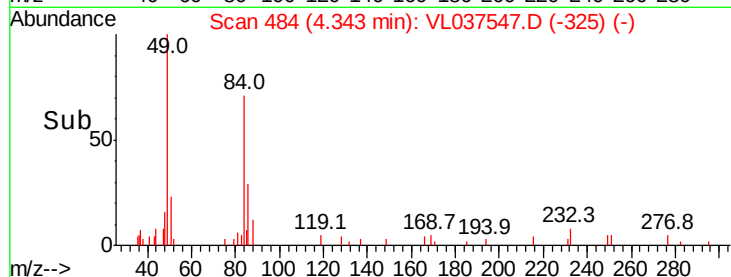
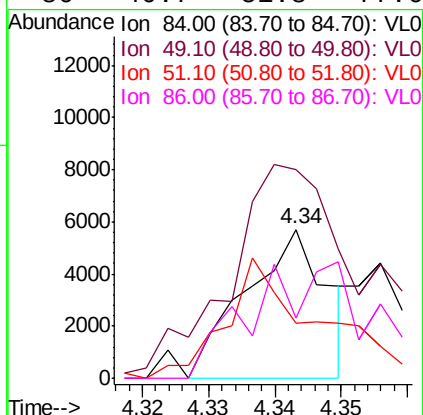
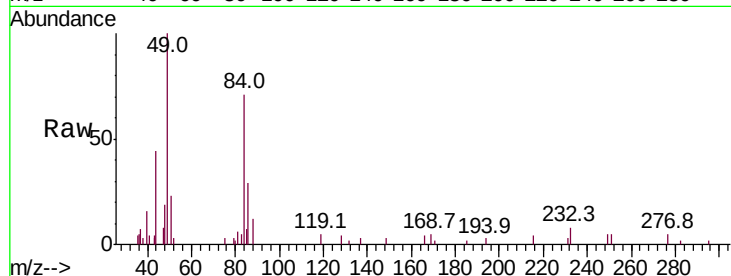




#20
Methylene Chloride
Concen: 0.057 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL037547.D
Acq: 7 Sep 2021 12:48

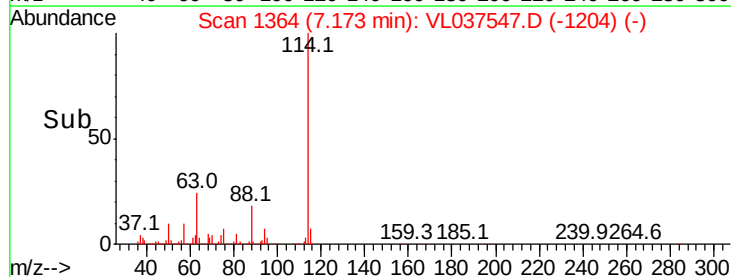
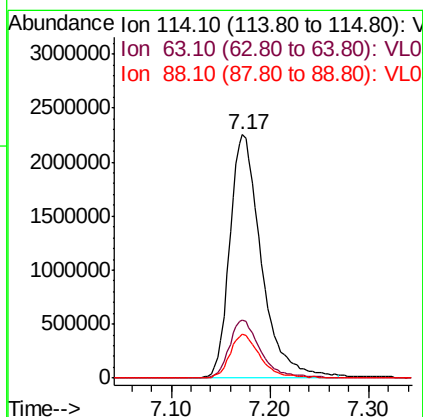
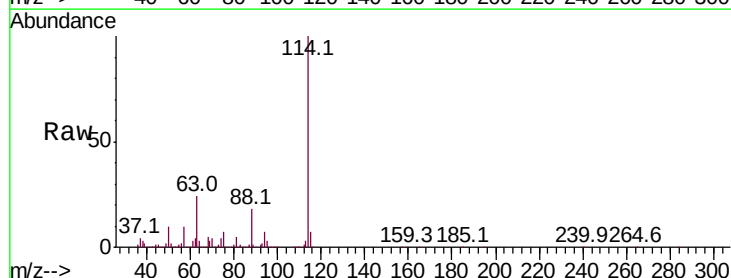
Instrument :
MSVOA_L
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CAN 10321

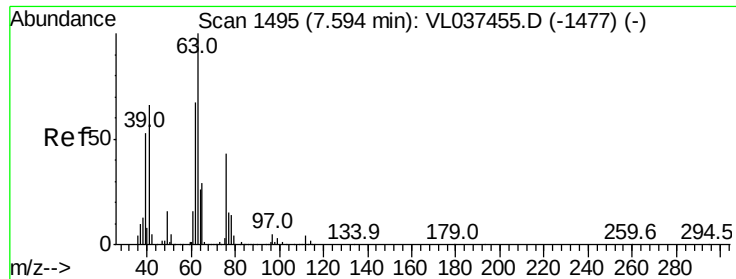
Tot Ion: 84 Resp: 4864
Ion Ratio Lower Upper
84 100
49 112.8 118.2 177.2#
51 28.5 36.6 55.0#
86 40.7 51.8 77.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.02 min
Lab File: VL037547.D
Acq: 7 Sep 2021 12:48

Tgt Ion: 114 Resp: 5040890
Ion Ratio Lower Upper
114 100
63 24.1 19.3 28.9
88 17.7 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.286 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.42 min

Lab File: VL037547.D

Acq: 7 Sep 2021 12:48

Instrument :

MSVOA_L

ClientSampleId :

CAN 10321

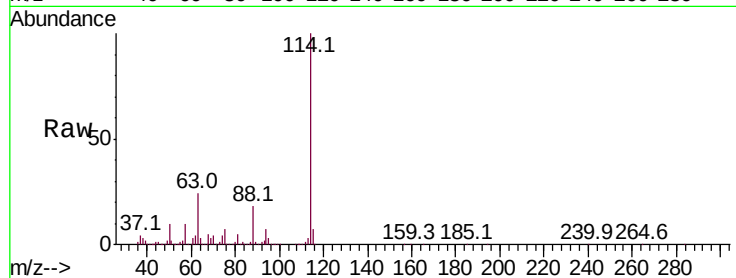
Tot Ion: 63 Resp: 1186331

Ion Ratio Lower Upper

63 100

41 0.1 52.4 78.6#

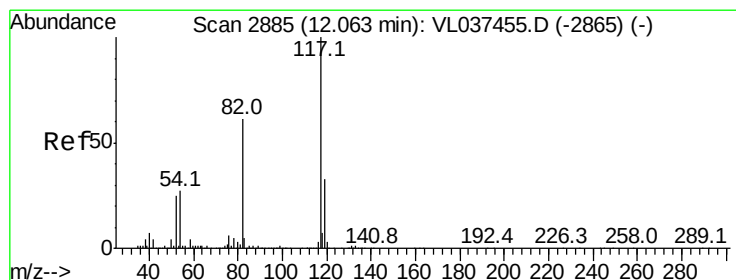
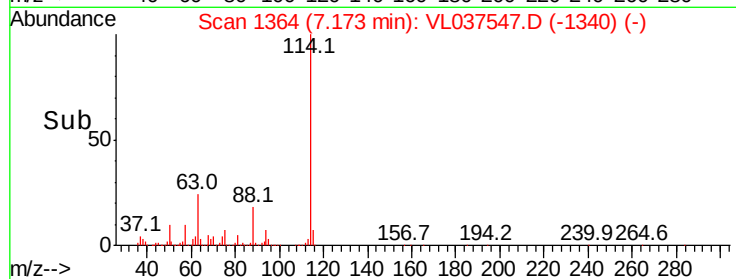
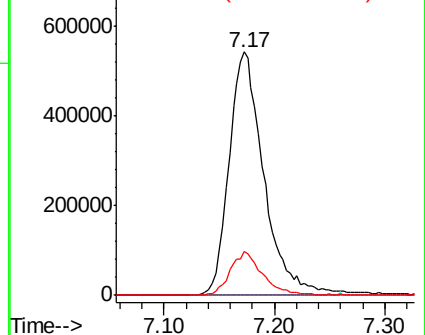
62 18.1 53.6 80.4#



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. 0.02 min

Lab File: VL037547.D

Acq: 7 Sep 2021 12:48

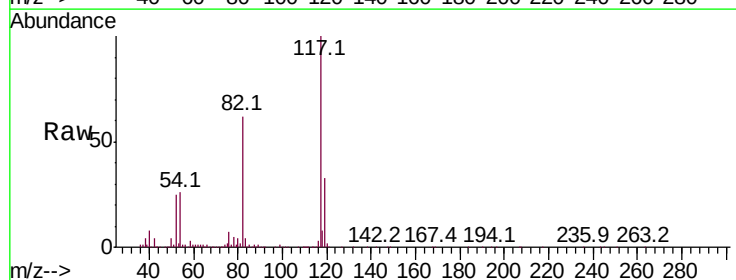
Tgt Ion: 117 Resp: 4415373

Ion Ratio Lower Upper

117 100

82 63.5 52.9 79.3

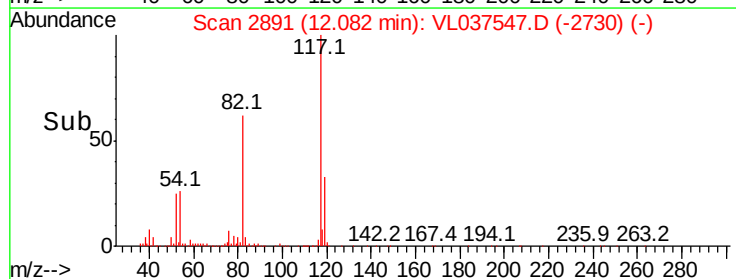
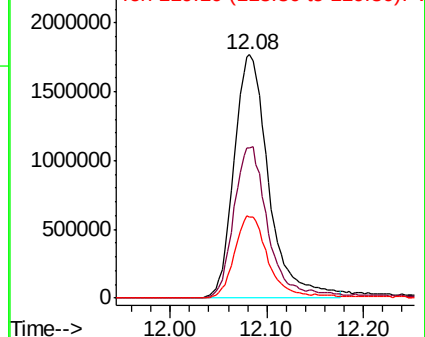
119 34.1 24.8 37.2

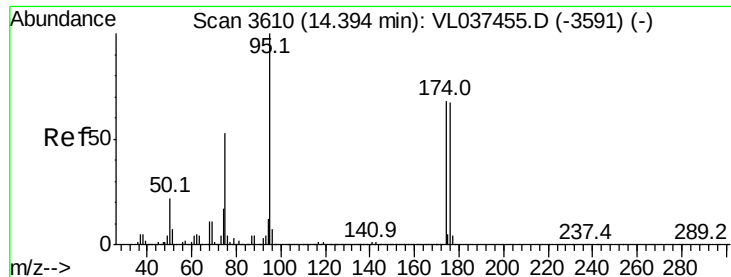


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.108 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037547.D

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MSVOA_L

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CAN 10321

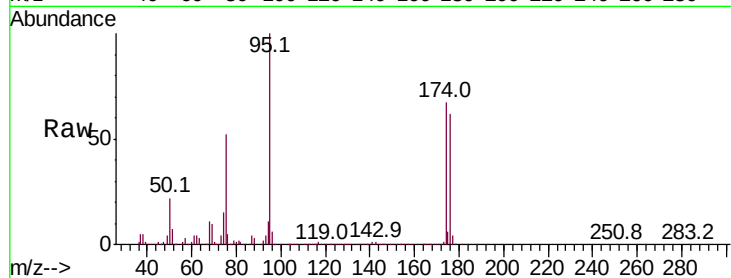
Tot Ion: 95 Resp: 3170813

Ion Ratio Lower Upper

95 100

174 75.2 59.6 89.4

175 5.5 4.6 7.0



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

