

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037548.D
 Acq On : 7 Sep 2021 13:25
 Operator : SY/AP
 Sample : CAN 10443
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10443

Quant Time: Sep 08 11:10:12 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	1635798	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4934775	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4338879	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3181734	10.32	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

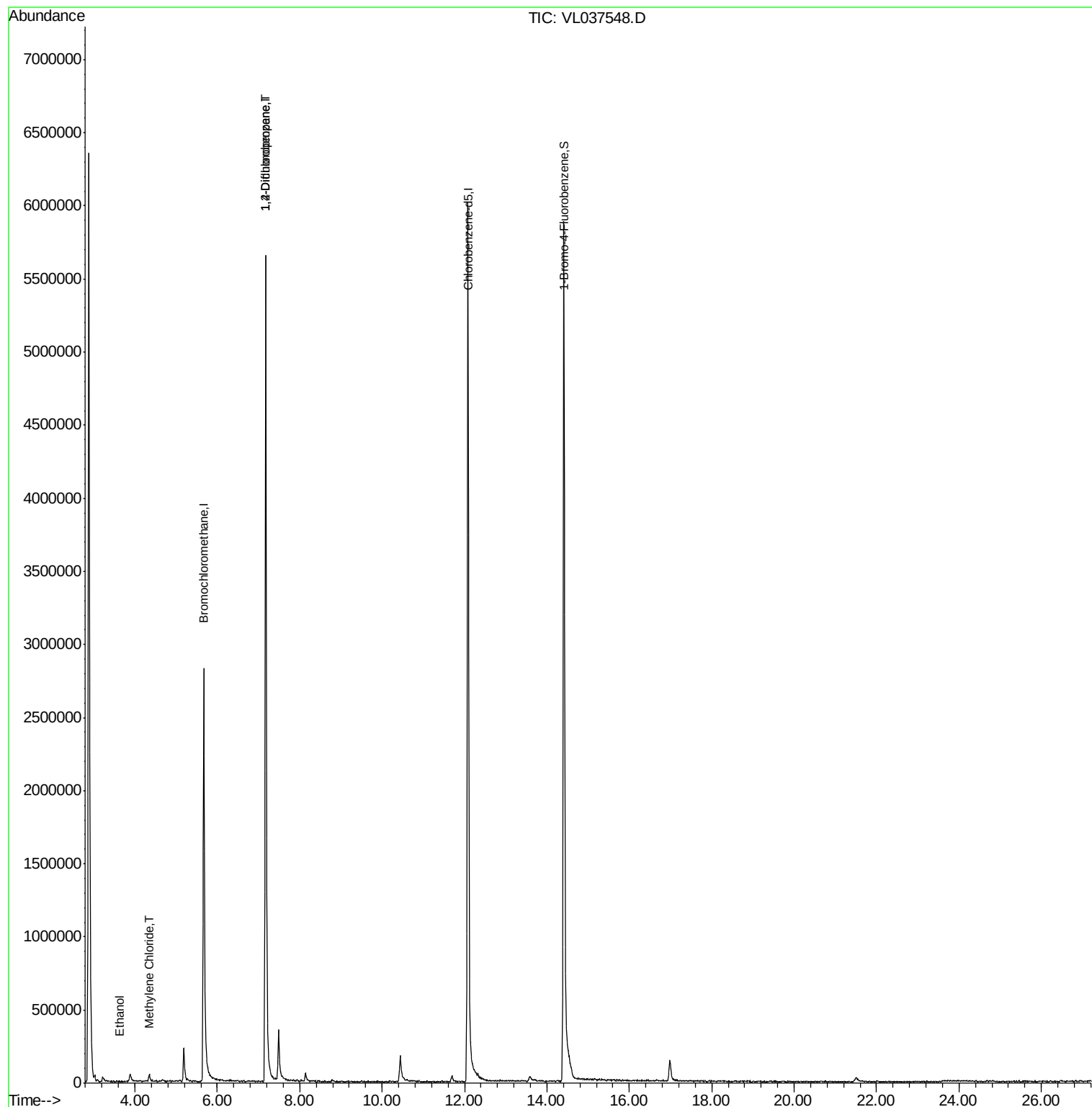
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.64	45	598	0.055	ppbv #	39
20) Methylene Chloride	4.35	84	13465	0.162	ppbv #	85
39) 1,2-Dichloropropane	7.17	63	1168173	7.328	ppbv #	29

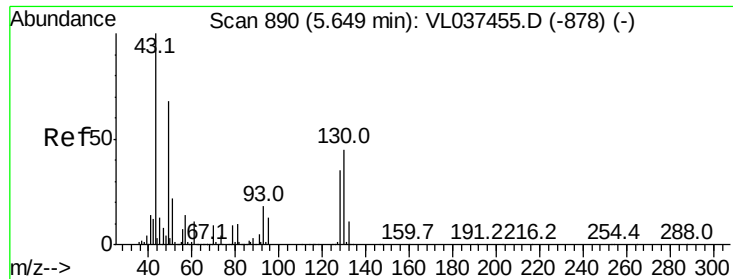
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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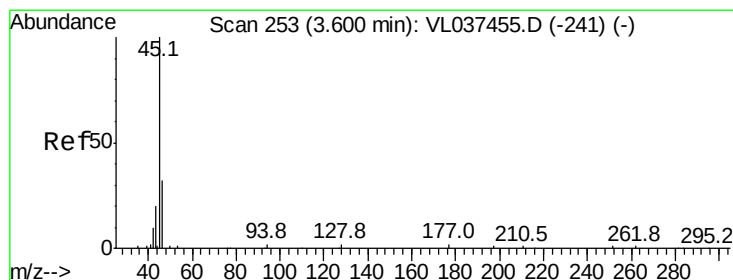
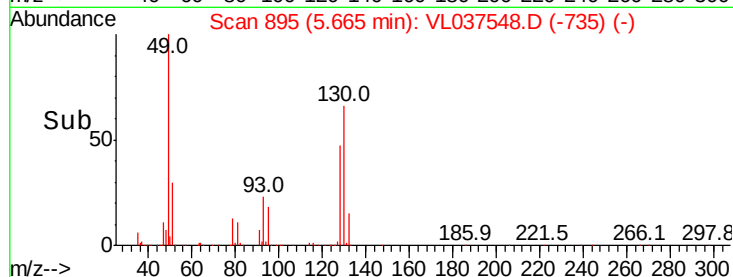
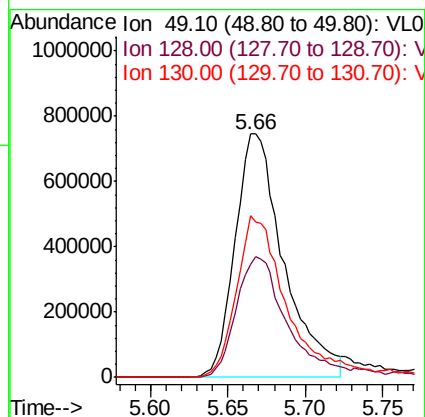
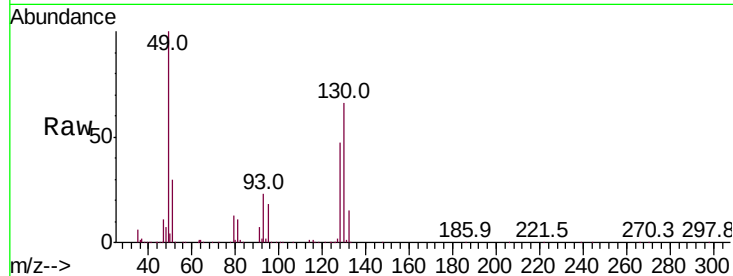




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.02 min
 Lab File: VL037548.D
 Acq: 7 Sep 2021 13:25

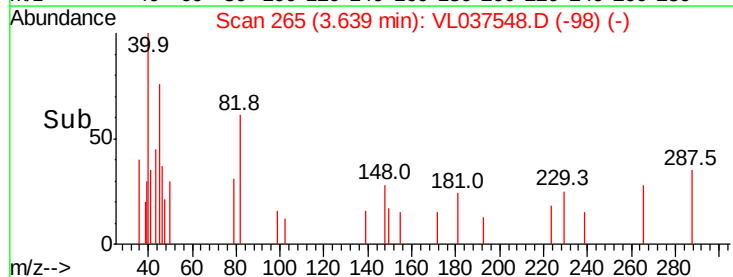
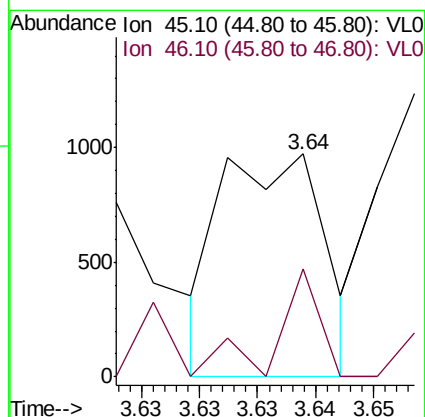
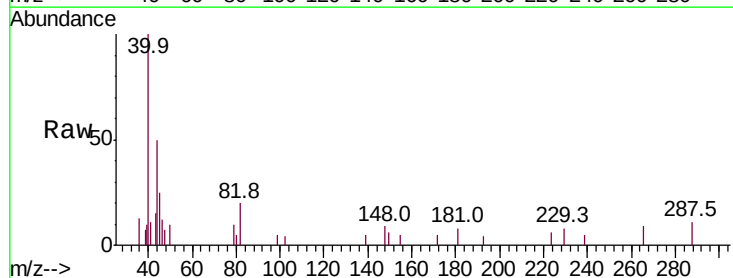
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10443

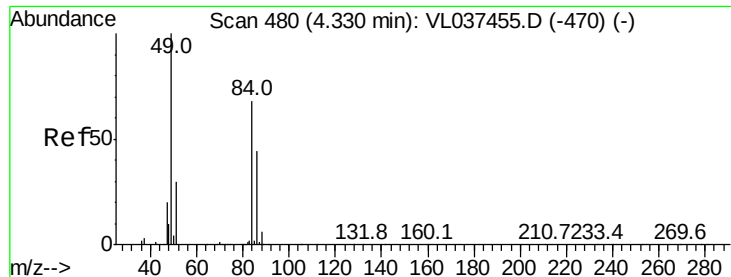
Tot Ion: 49 Resp: 1635798
 Ion Ratio Lower Upper
 49 100
 128 55.4 27.5 82.4
 130 72.0 34.0 101.8



#13
 Ethanol
 Concen: 0.055 ppbv
 RT: 3.64 min Scan# 265
 Delta R.T. 0.04 min
 Lab File: VL037548.D
 Acq: 7 Sep 2021 13:25

Tgt Ion: 45 Resp: 598
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.1 56.5#

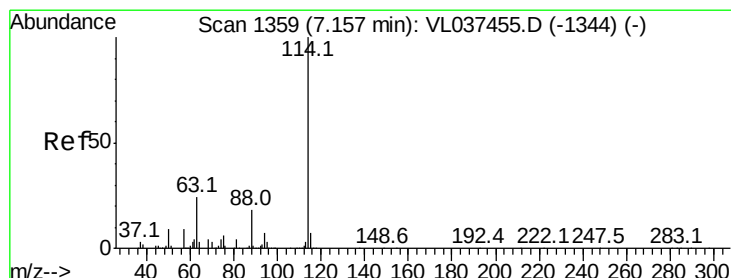
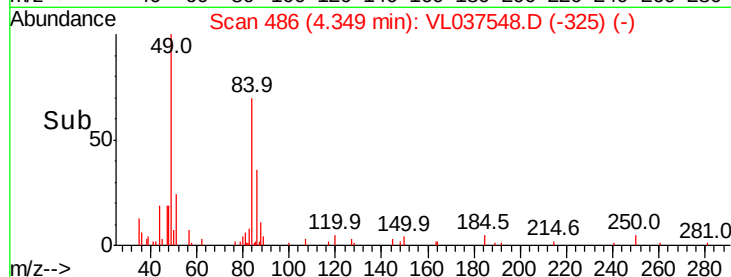
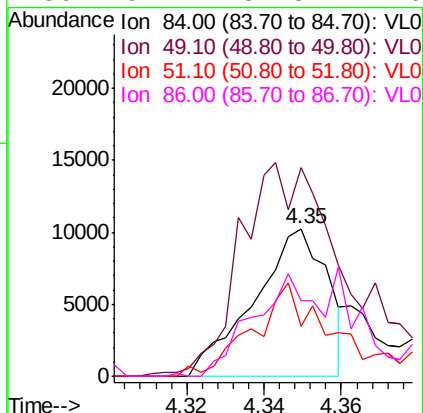
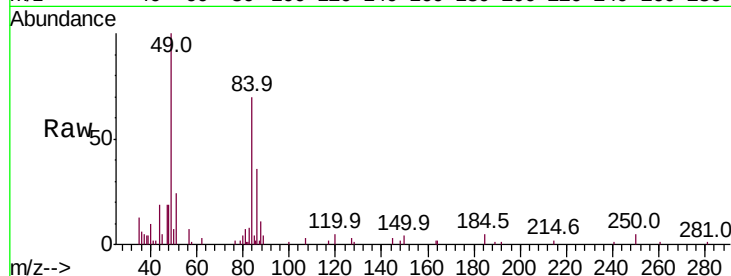




#20
Methvlene Chloride
Concen: 0.162 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.02 min
Lab File: VL037548.D
Acq: 7 Sep 2021 13:25

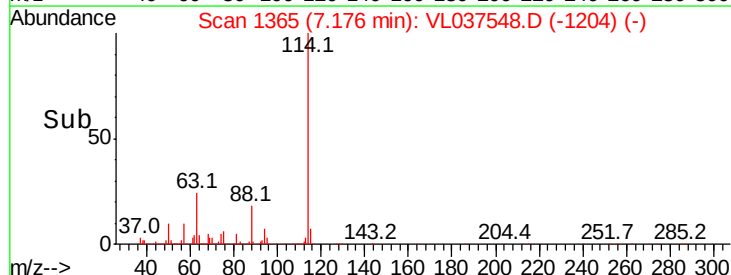
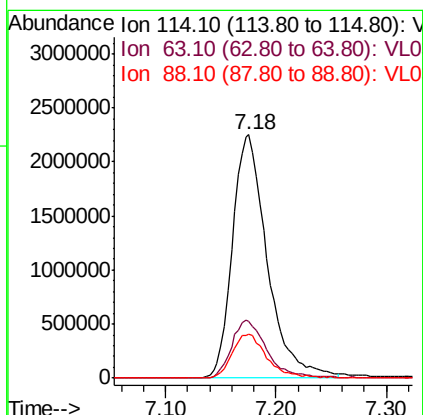
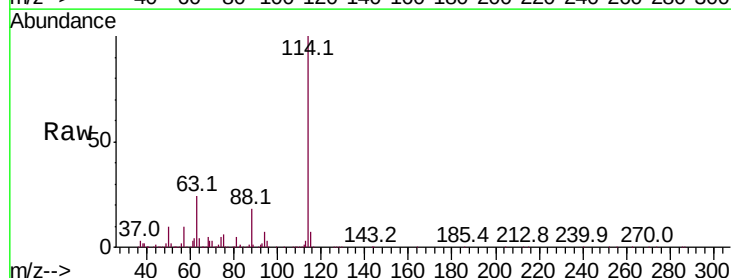
Instrument :
MSVOA_L
ClientSampleId :
CAN 10443

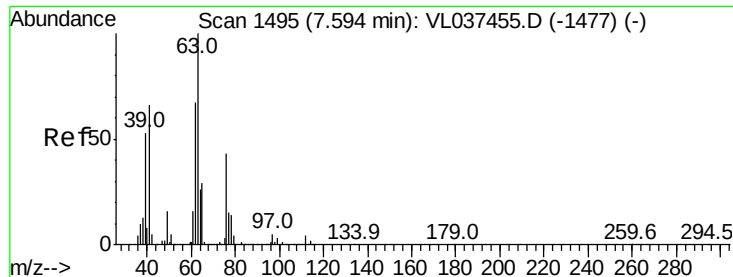
Tot Ion: 84 Resp: 13465
Ion Ratio Lower Upper
84 100
49 136.6 118.2 177.2
51 26.5 36.6 55.0#
86 51.2 51.8 77.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL037548.D
Acq: 7 Sep 2021 13:25

Tgt Ion:114 Resp: 4934775
Ion Ratio Lower Upper
114 100
63 24.6 19.3 28.9
88 18.3 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.328 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.42 min

Lab File: VL037548.D

Acq: 7 Sep 2021 13:25

Instrument :

MSVOA_L

ClientSampleId :

CAN 10443

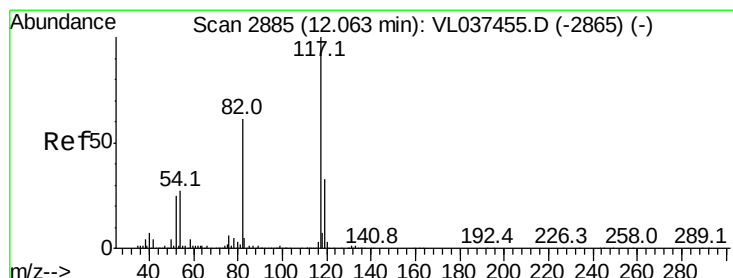
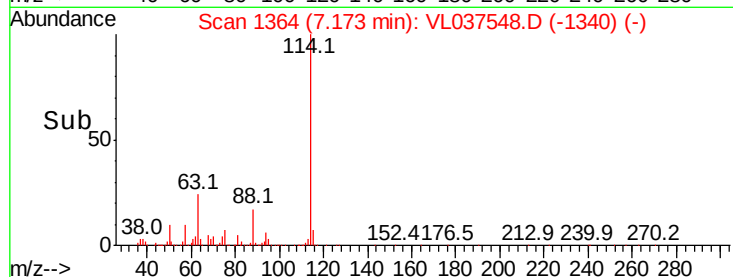
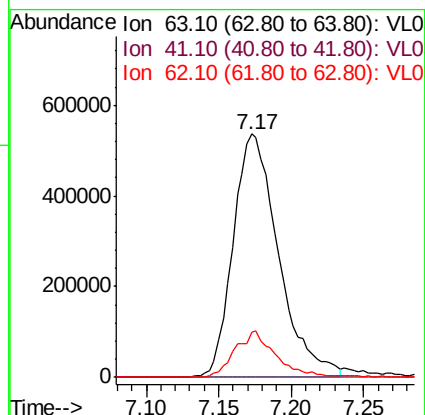
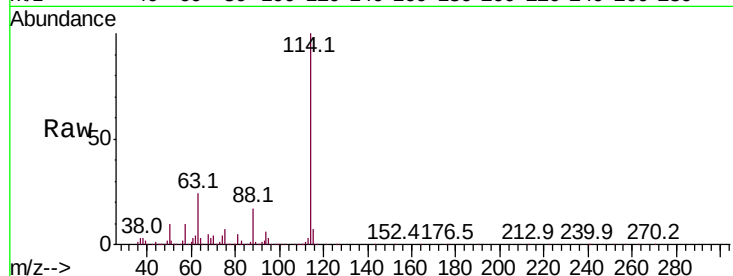
Tot Ion: 63 Resp: 1168173

Ion Ratio Lower Upper

63 100

41 0.0 52.4 78.6#

62 18.6 53.6 80.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.02 min

Lab File: VL037548.D

Acq: 7 Sep 2021 13:25

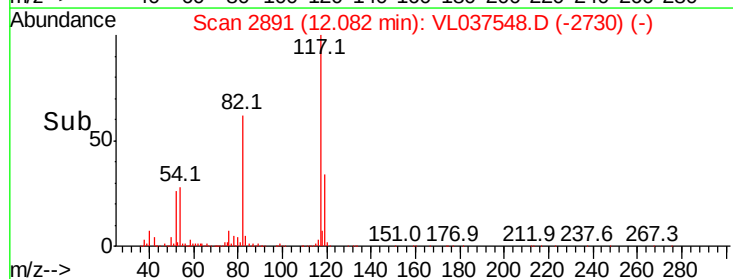
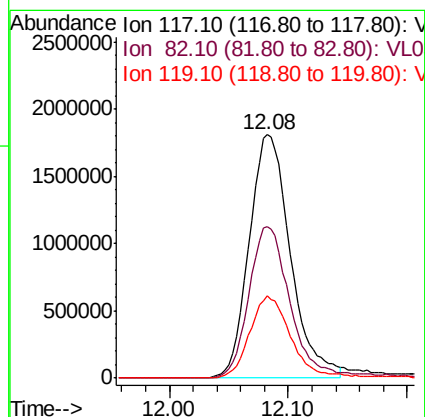
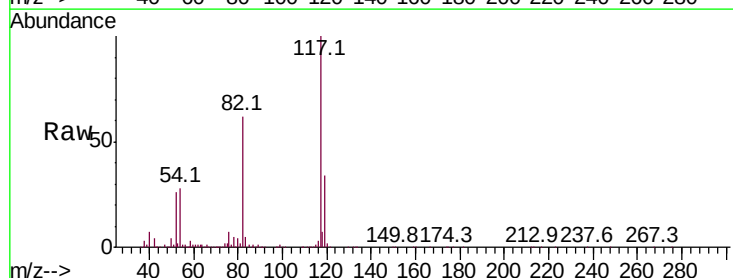
Tgt Ion: 117 Resp: 4338879

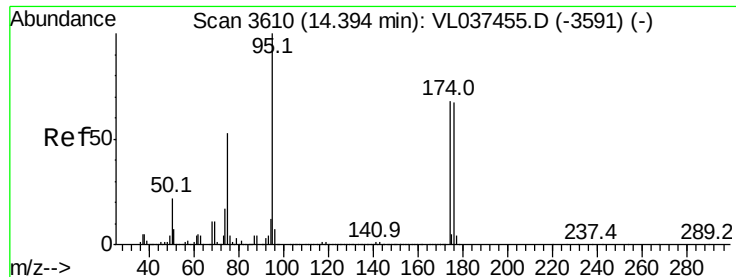
Ion Ratio Lower Upper

117 100

82 64.9 52.9 79.3

119 35.4 24.8 37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.322 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037548.D

Acq: 7 Sep 2021 13:25

Instrument :

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ClientSampleId :

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Tot Ion: 95 Resp: 3181734

Ion Ratio Lower Upper

95 100

174 74.0 59.6 89.4

175 5.5 4.6 7.0

