

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037549.D
 Acq On : 7 Sep 2021 14:02
 Operator : SY/AP
 Sample : CAN 10312
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10312

Quant Time: Sep 08 11:10:18 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	1737505	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4891802	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4282671	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3109852	10.22	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

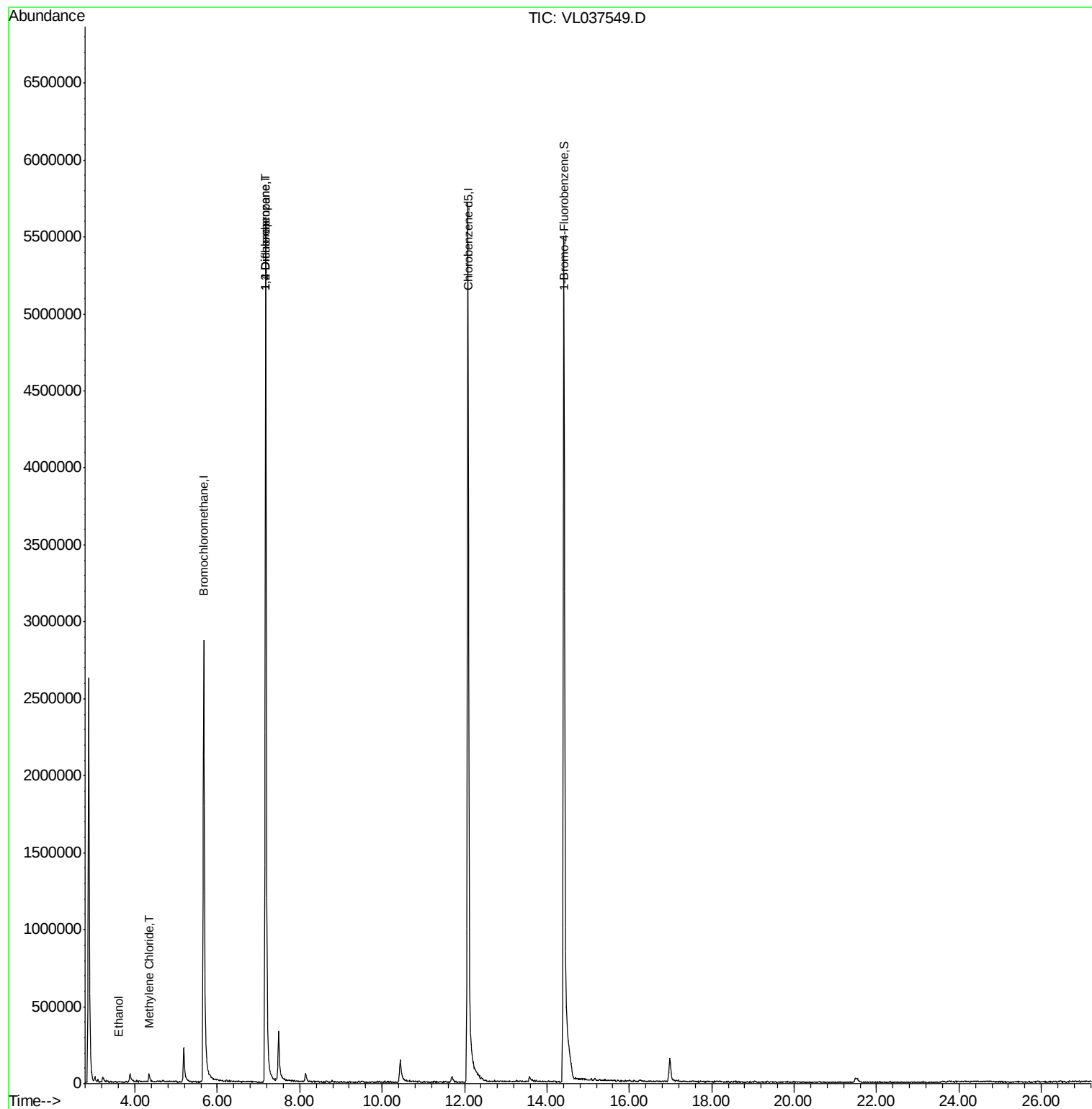
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	535	0.046	ppbv #	39
20) Methylene Chloride	4.34	84	19595	0.221	ppbv	89
39) 1,2-Dichloropropane	7.18	63	1175438	7.439	ppbv #	28

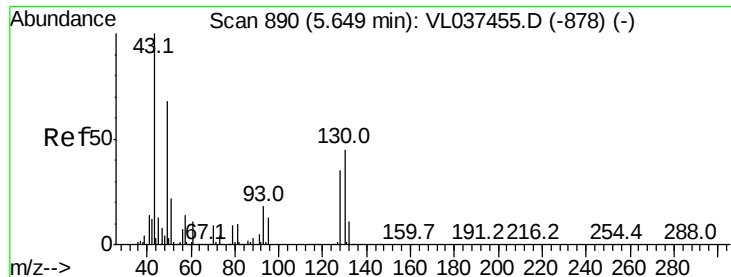
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037549.D

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CAN 10312

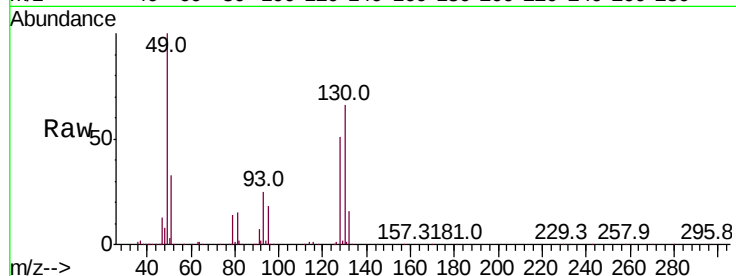
Tot Ion: 49 Resp: 1737505

Ion Ratio Lower Upper

49 100

128 52.0 27.5 82.4

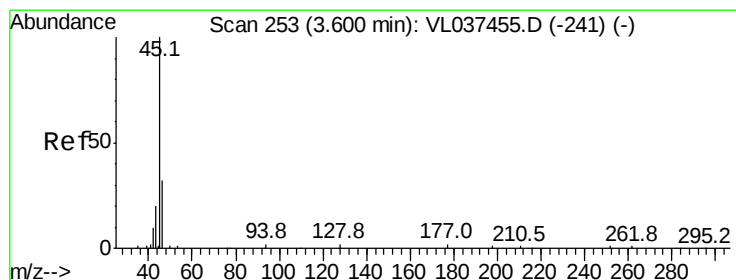
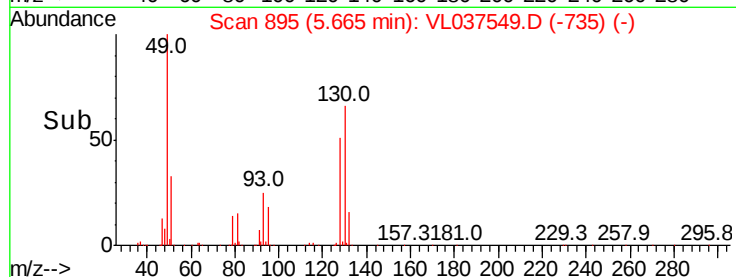
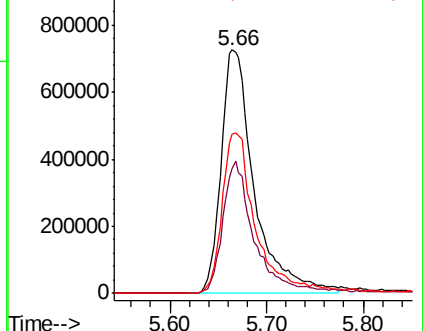
130 68.2 34.0 101.8



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: 0.046 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL037549.D

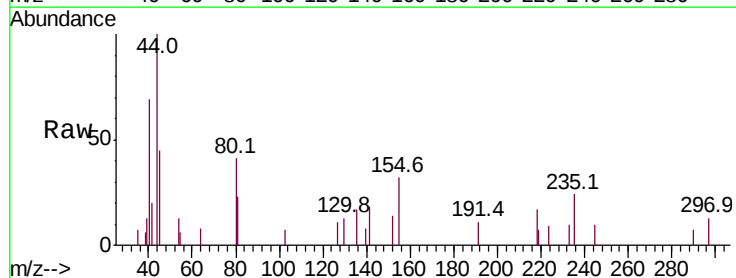
Acq: 7 Sep 2021 14:02

Tgt Ion: 45 Resp: 535

Ion Ratio Lower Upper

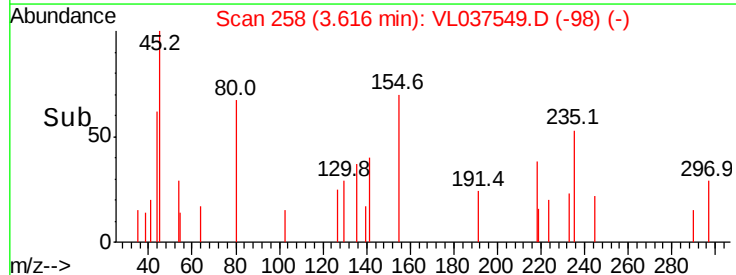
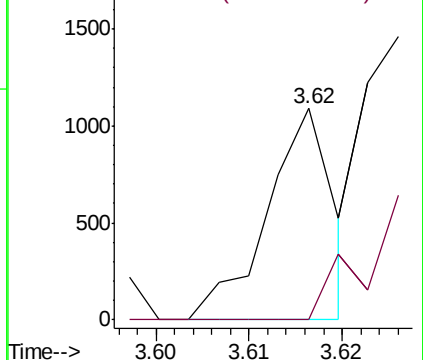
45 100

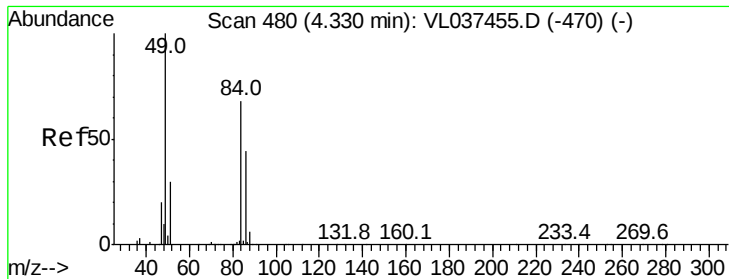
46 0.0 14.1 56.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

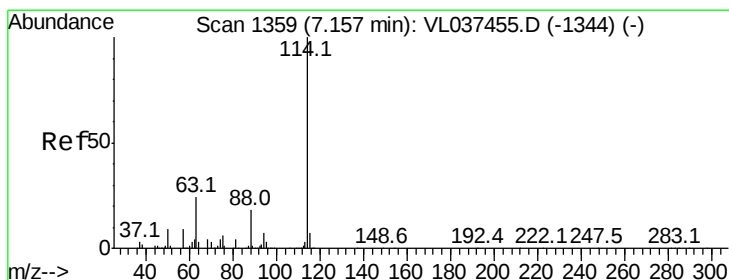
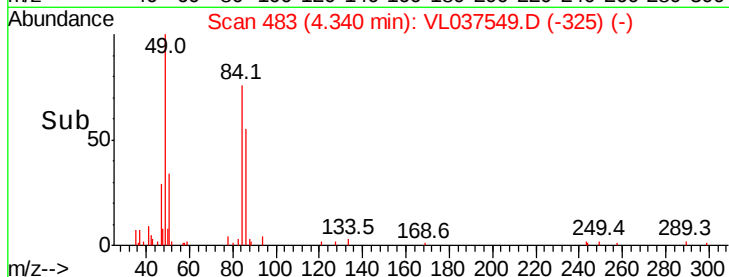
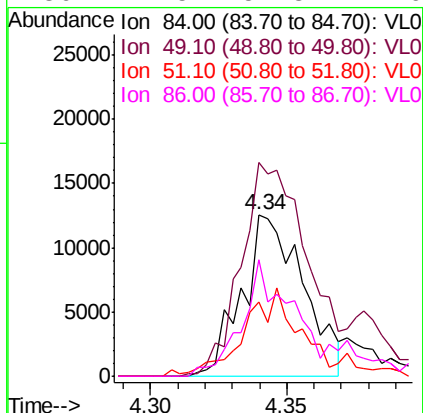
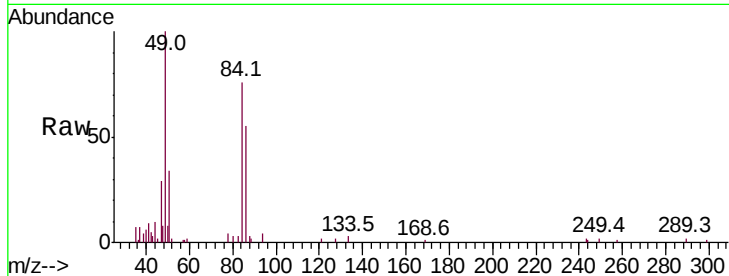




#20
Methylene Chloride
Concen: 0.221 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL037549.D
Acq: 7 Sep 2021 14:02

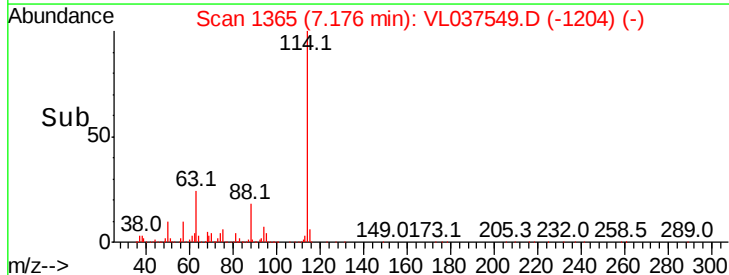
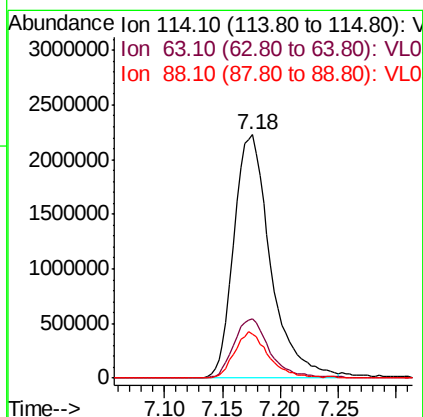
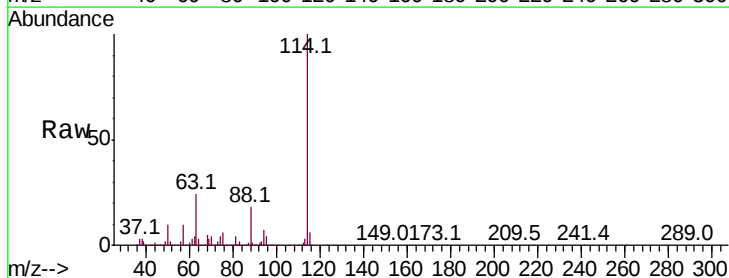
Instrument :
MSVOA_L
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CAN 10312

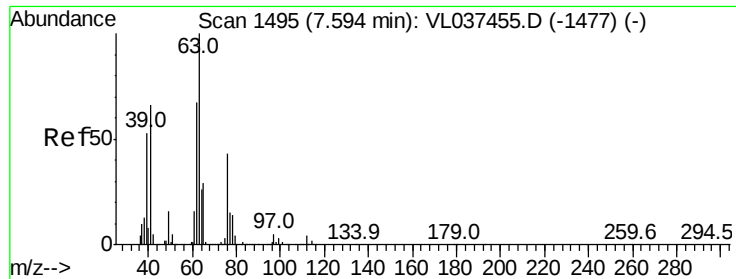
Tot Ion:	84	Resp:	19595
Ion	Ratio	Lower	Upper
84	100		
49	131.1	118.2	177.2
51	41.7	36.6	55.0
86	72.5	51.8	77.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL037549.D
Acq: 7 Sep 2021 14:02

Tgt Ion:	114	Resp:	4891802
Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	17.9	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.439 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.42 min

Lab File: VL037549.D

Acq: 7 Sep 2021 14:02

Instrument :

MSVOA_L

ClientSampleId :

CAN 10312

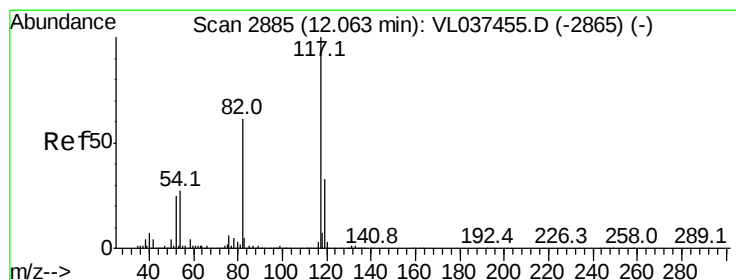
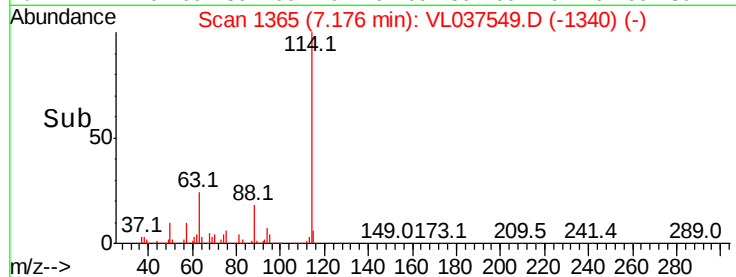
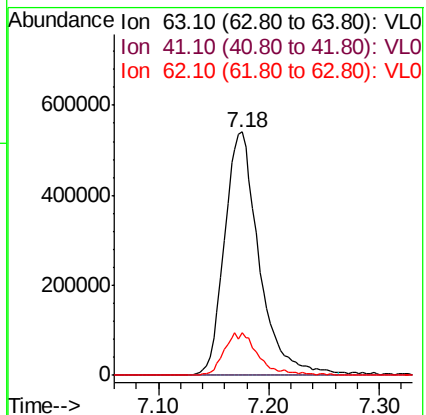
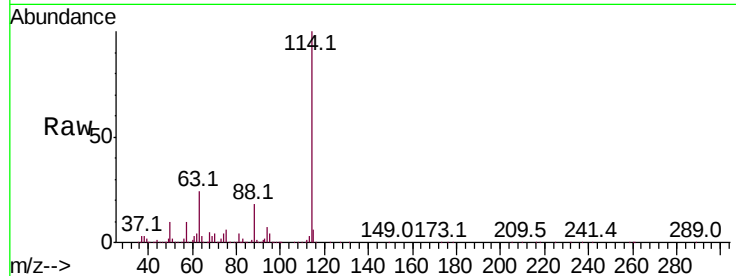
Tot Ion: 63 Resp: 1175438

Ion Ratio Lower Upper

63 100

41 0.0 52.4 78.6#

62 17.4 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: VL037549.D

Acq: 7 Sep 2021 14:02

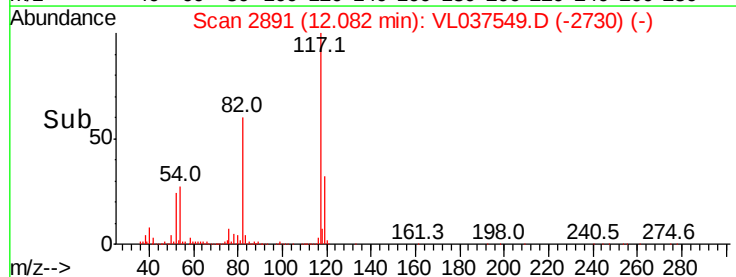
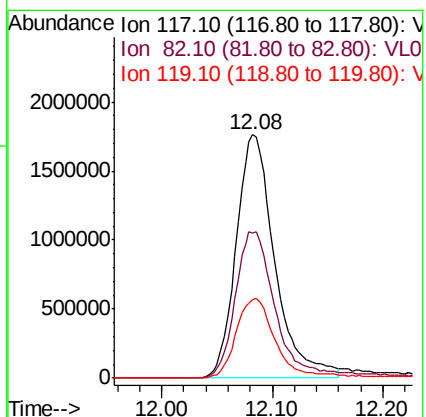
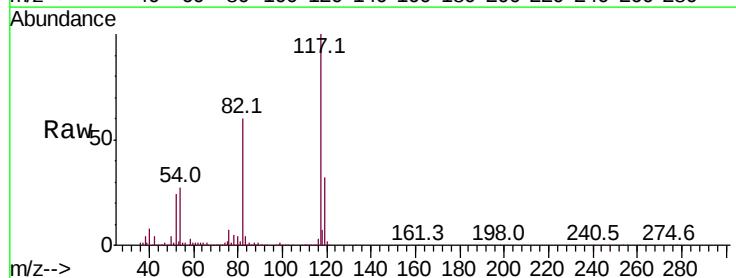
Tgt Ion: 117 Resp: 4282671

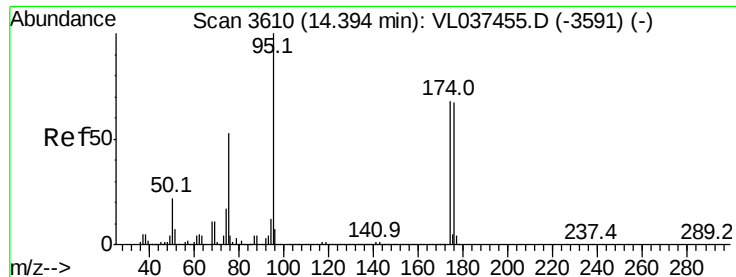
Ion Ratio Lower Upper

117 100

82 65.3 52.9 79.3

119 33.7 24.8 37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.221 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037549.D

Acq: 7 Sep 2021 14:02

Instrument :

MSVOA_L

ClientSampleId :

CAN 10312

Tot Ion: 95 Resp: 3109852

Ion Ratio Lower Upper

95 100

174 75.2 59.6 89.4

175 5.8 4.6 7.0

