

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037635.D
 Acq On : 17 Sep 2021 3:52
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:30:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1534679	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4354463	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3723530	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2525221	9.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.80%

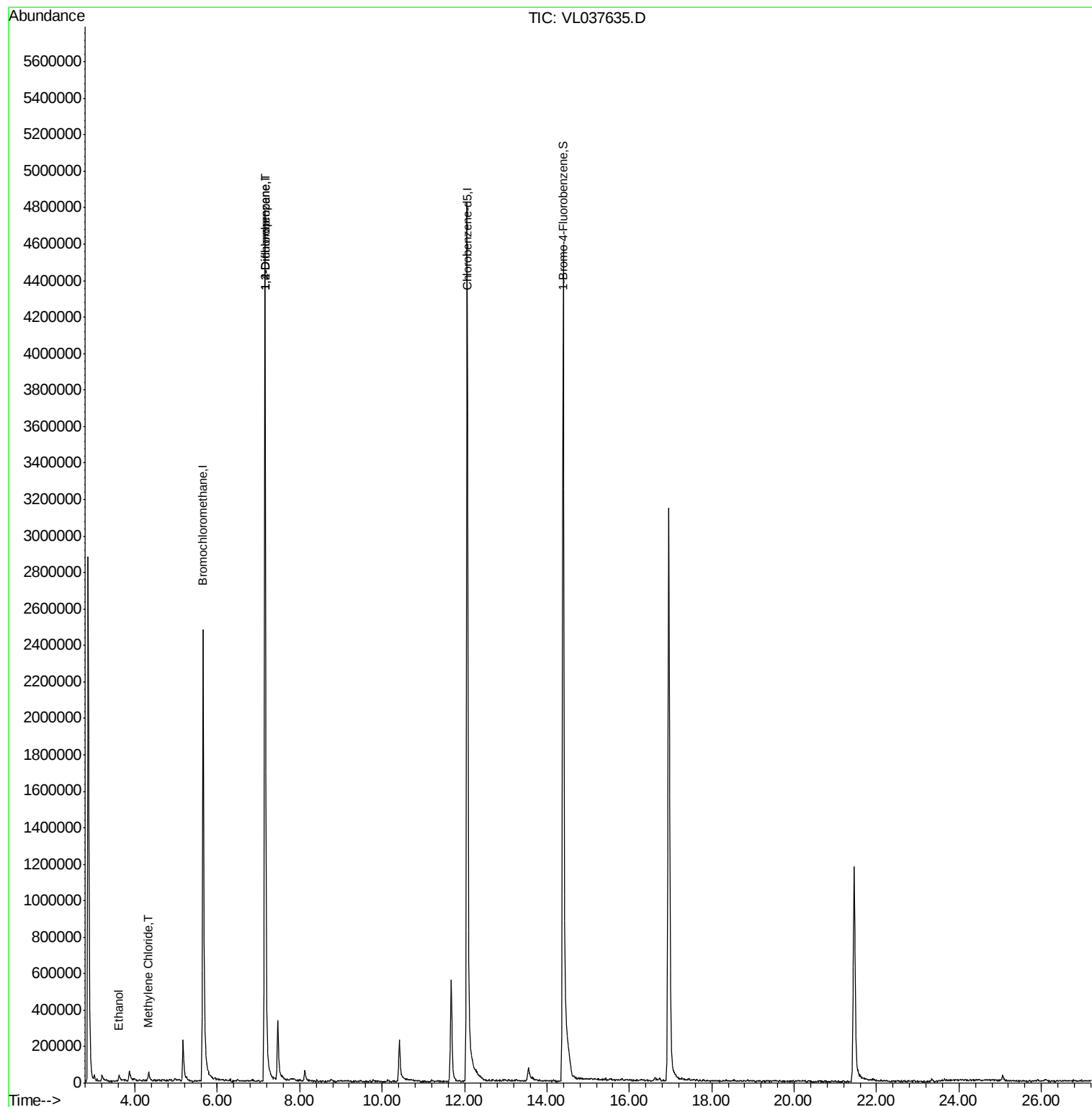
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	19401	1.942	ppbv #	33
20) Methylene Chloride	4.33	84	13601	0.179	ppbv #	84
39) 1,2-Dichloropropane	7.16	63	1004128	7.220	ppbv #	27

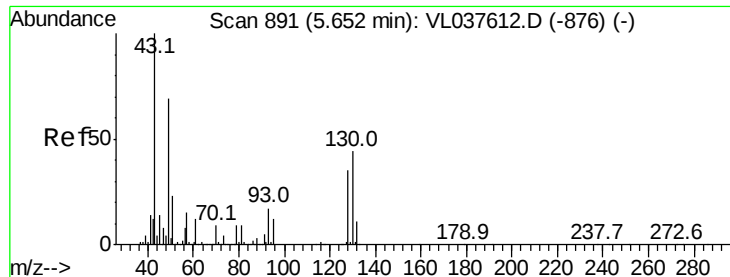
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037635.D

Acq: 17 Sep 2021 3:52

Instrument :
MSVOA_L
ClientSampled :

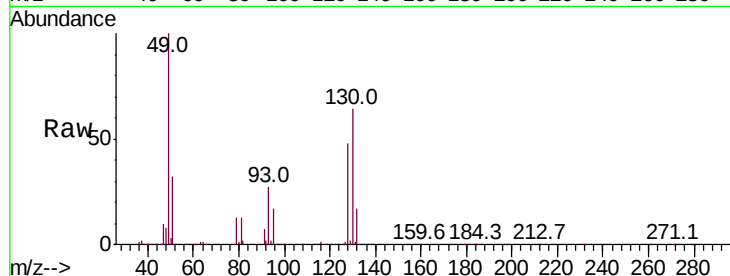
Tot Ion: 49 Resp: 1534679

Ion Ratio Lower Upper

49 100

128 51.6 27.9 83.6

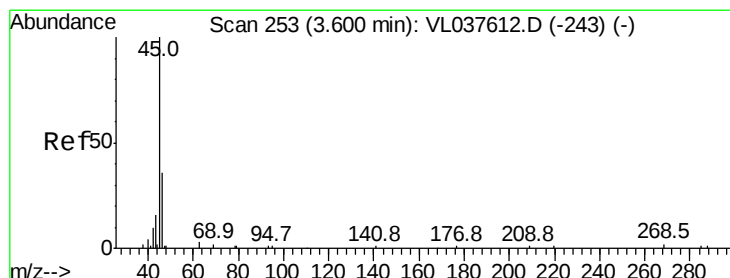
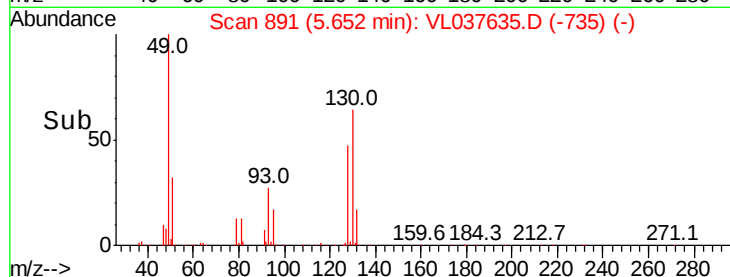
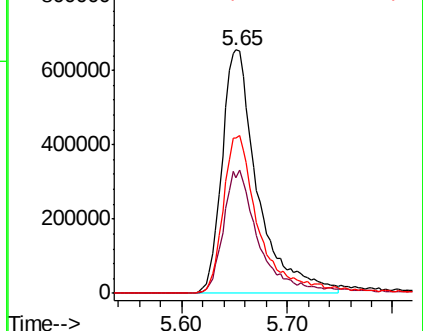
130 68.2 33.9 101.7



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: 1.942 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037635.D

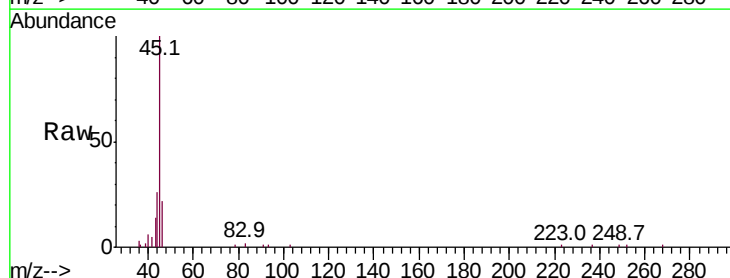
Acq: 17 Sep 2021 3:52

Tgt Ion: 45 Resp: 19401

Ion Ratio Lower Upper

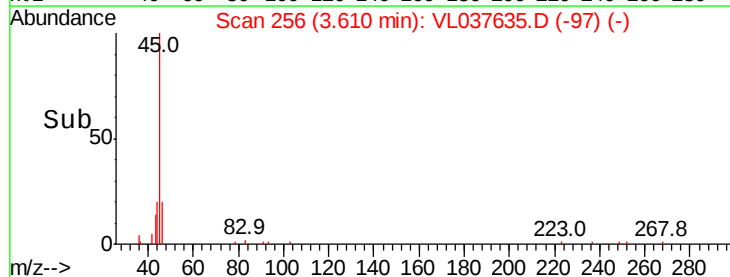
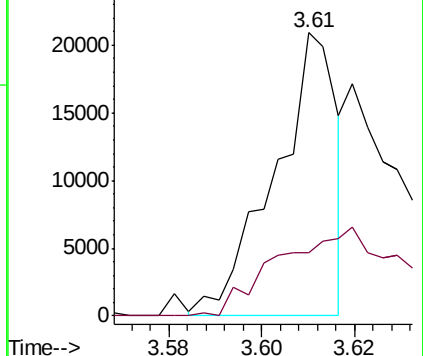
45 100

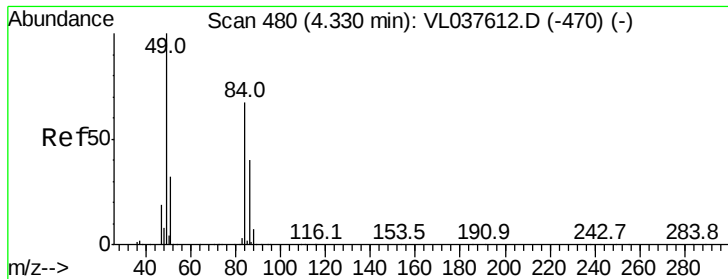
46 0.0 17.2 68.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

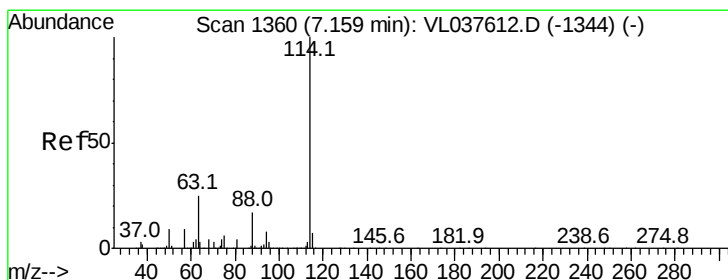
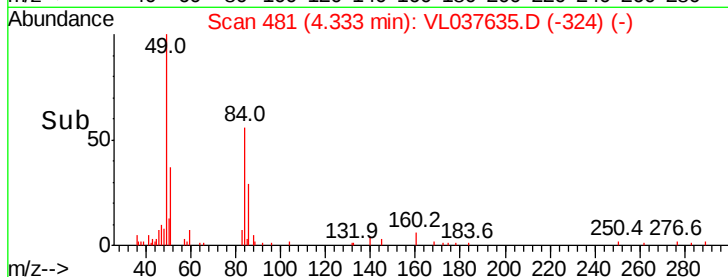
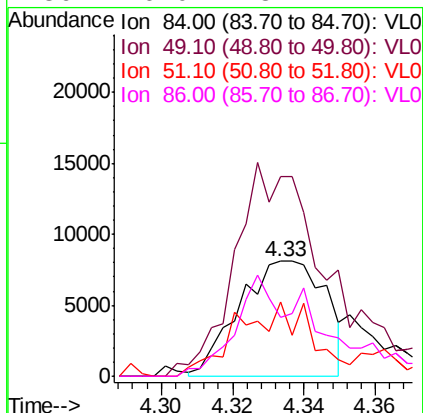
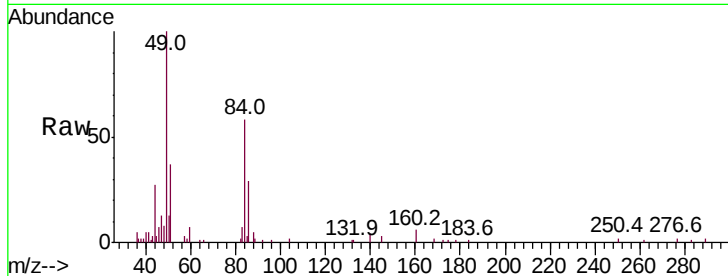




#20
Methvlene Chloride
Concen: 0.179 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037635.D
Acq: 17 Sep 2021 3:52

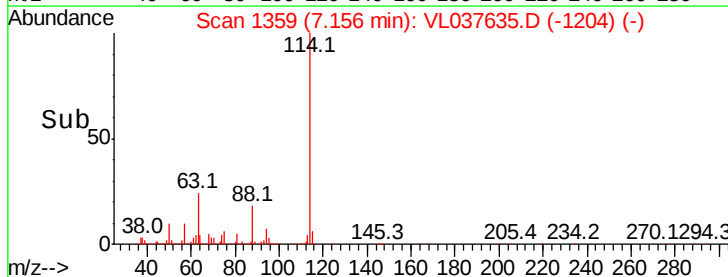
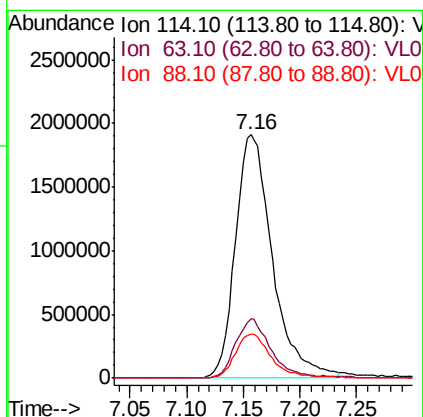
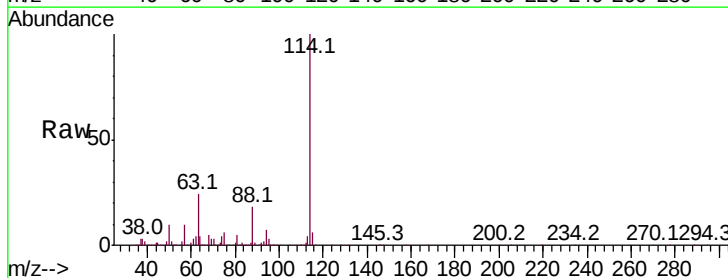
Instrument :
MSVOA_L
ClientSampleId :

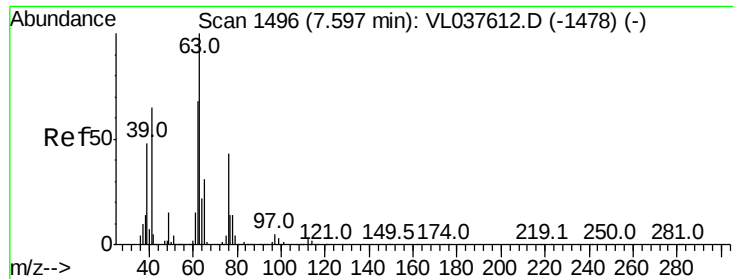
Tot Ion:	84	Resp:	13601
Ion	Ratio	Lower	Upper
84	100		
49	168.3	120.0	180.0
51	58.7	38.0	57.0#
86	46.0	48.2	72.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037635.D
Acq: 17 Sep 2021 3:52

Tgt Ion:	114	Resp:	4354463
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.9	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.220 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.44 min

Lab File: VL037635.D

Acq: 17 Sep 2021 3:52

Instrument :

MSVOA_L

ClientSampleId :

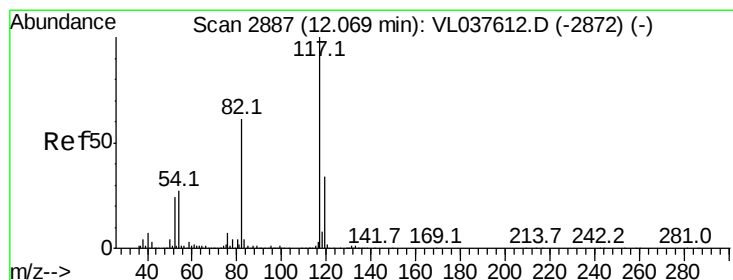
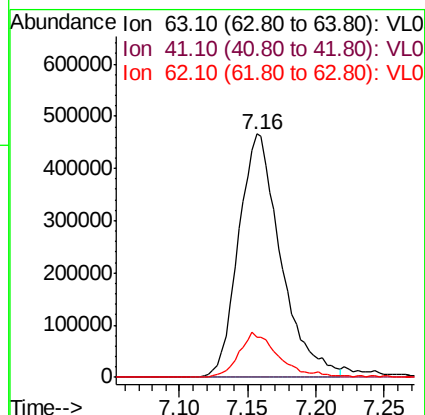
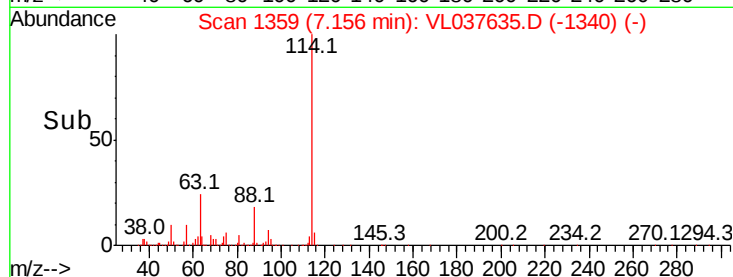
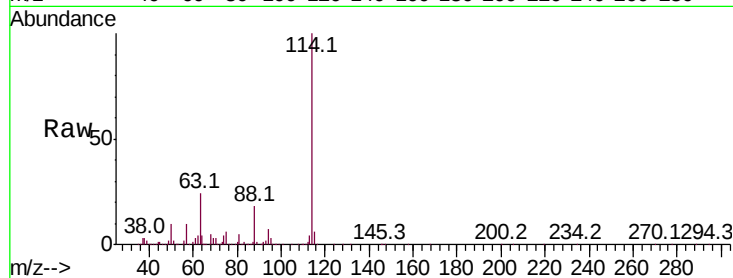
Tot Ion: 63 Resp: 1004128

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 16.4 54.6 81.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037635.D

Acq: 17 Sep 2021 3:52

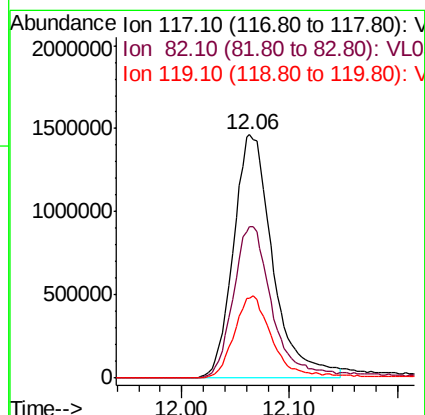
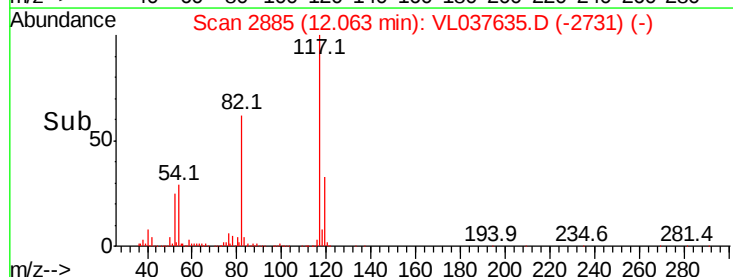
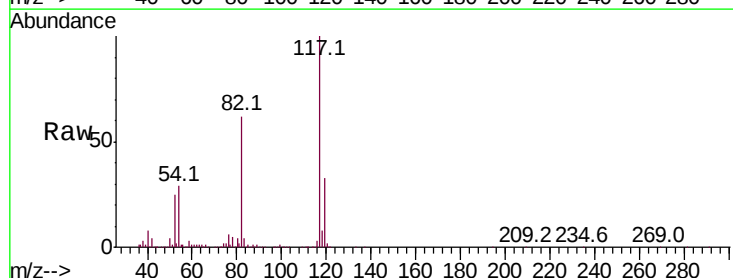
Tgt Ion: 117 Resp: 3723530

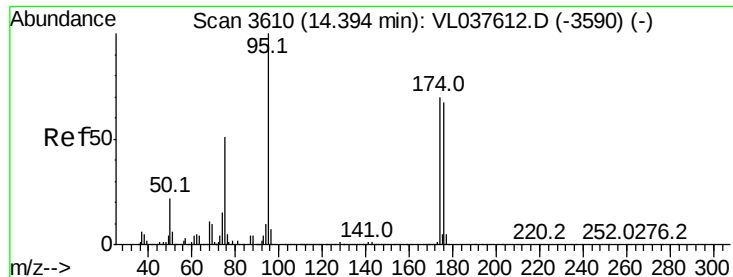
Ion Ratio Lower Upper

117 100

82 65.0 50.6 75.8

119 33.7 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.384 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037635.D

Acq: 17 Sep 2021 3:52

Instrument :

MSVOA_L

ClientSampleId :

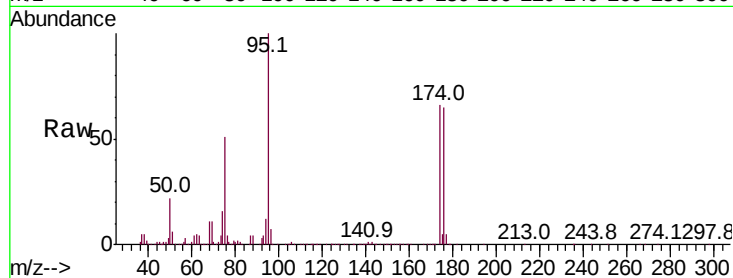
Tot Ion: 95 Resp: 2525221

Ion Ratio Lower Upper

95 100

174 79.8 56.3 84.5

175 5.9 4.4 6.6



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

