

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037668.D
 Acq On : 23 Sep 2021 18:30
 Operator : SY/AP
 Sample : CAN 10024
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:36:58 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	5.68	49	1539541	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4450385	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3713864	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2691130	10.03	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

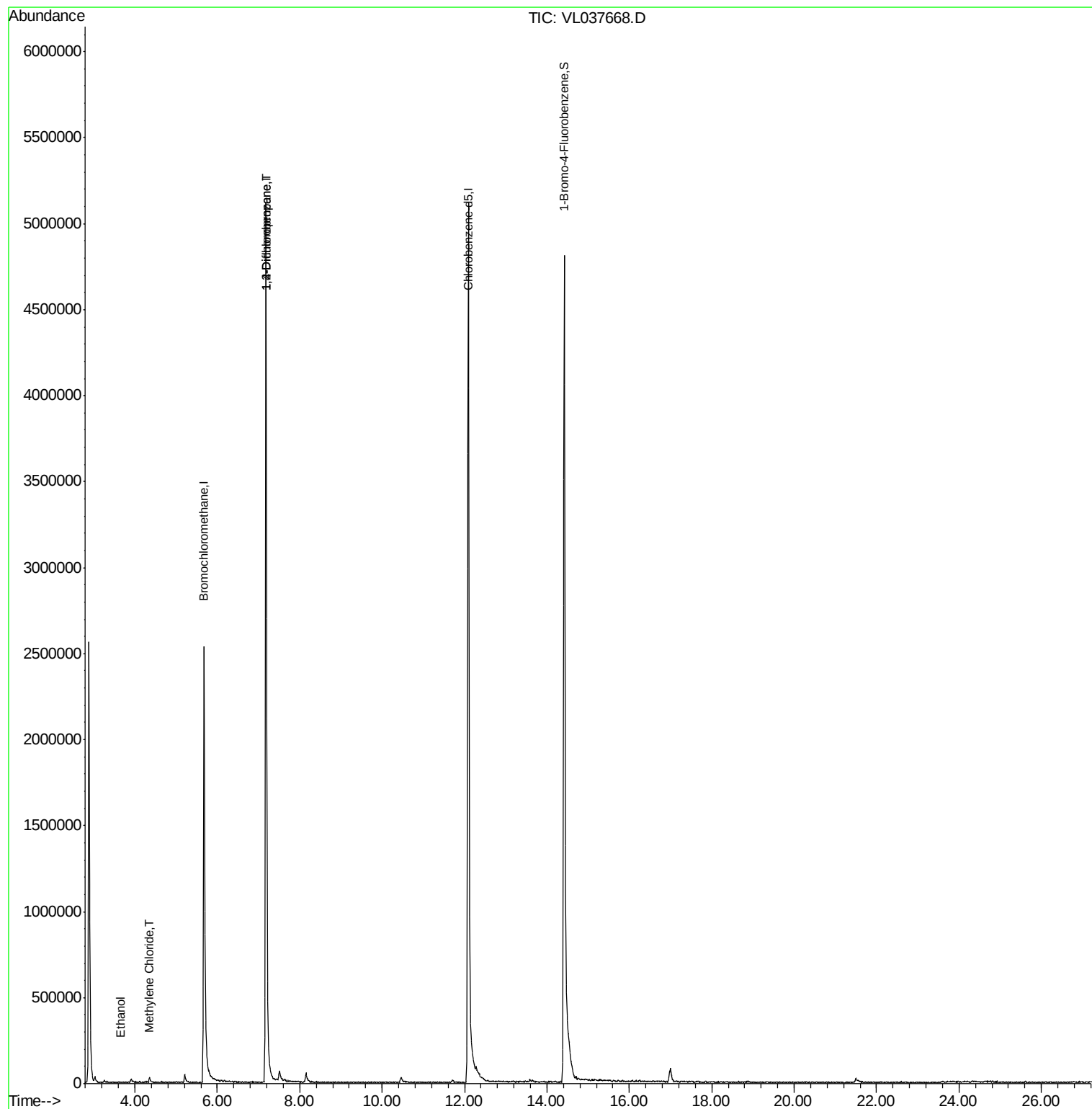
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.64	45	318	0.032	ppbv #	1
20) Methylene Chloride	4.35	84	4648	0.061	ppbv #	40
39) 1,2-Dichloropropane	7.18	63	1054778	7.421	ppbv #	27

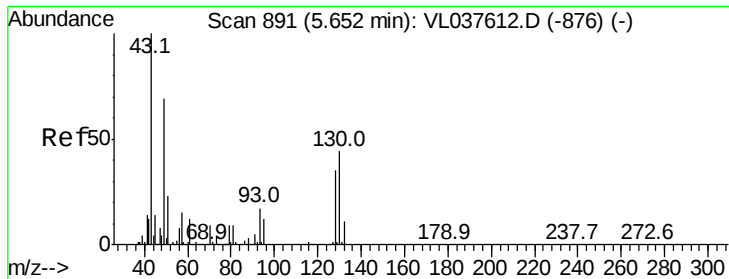
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037668.D

Acq: 23 Sep 2021 18:30

Instrument :

MSVOA_L

ClientSampled :

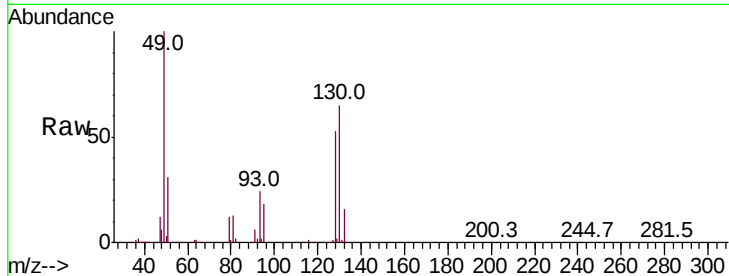
Tot Ion: 49 Resp: 1539541

Ion Ratio Lower Upper

49 100

128 53.6 27.9 83.6

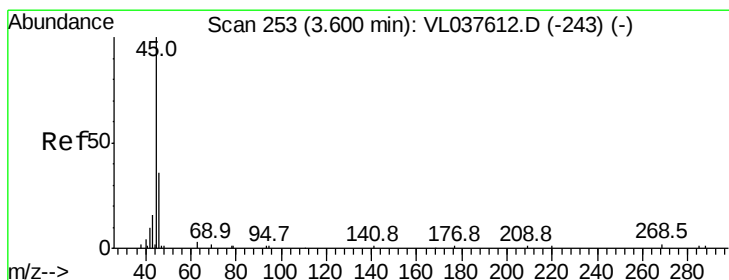
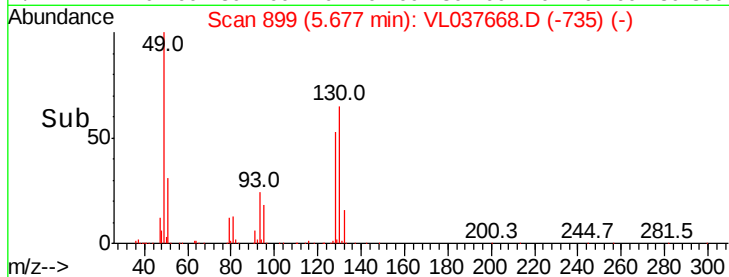
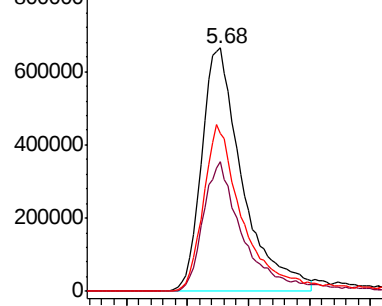
130 69.9 33.9 101.7



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: 0.032 ppbv

RT: 3.64 min Scan# 266

Delta R.T. 0.04 min

Lab File: VL037668.D

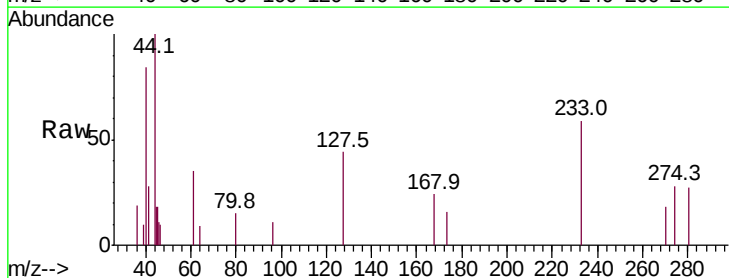
Acq: 23 Sep 2021 18:30

Tgt Ion: 45 Resp: 318

Ion Ratio Lower Upper

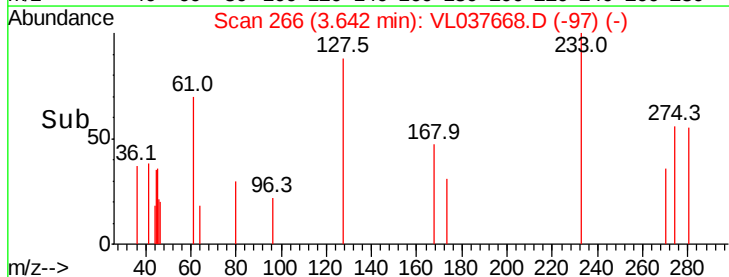
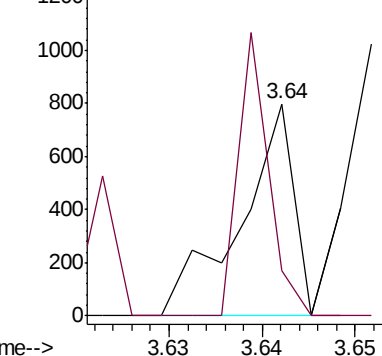
45 100

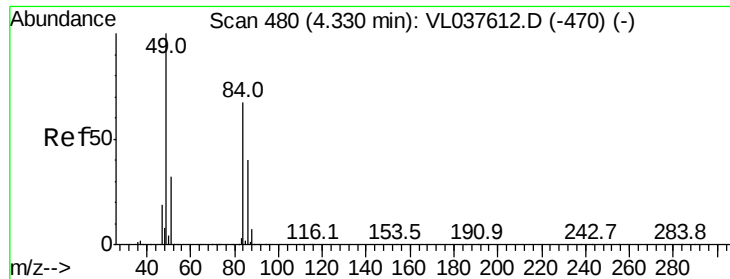
46 202.2 17.2 68.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

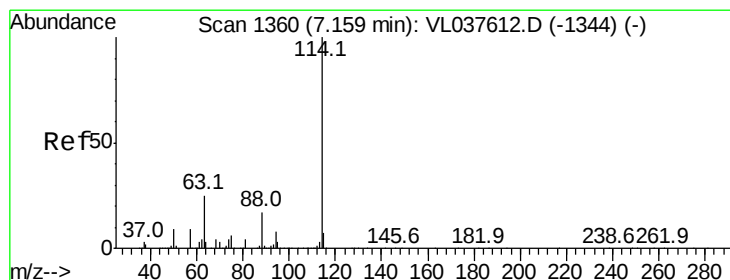
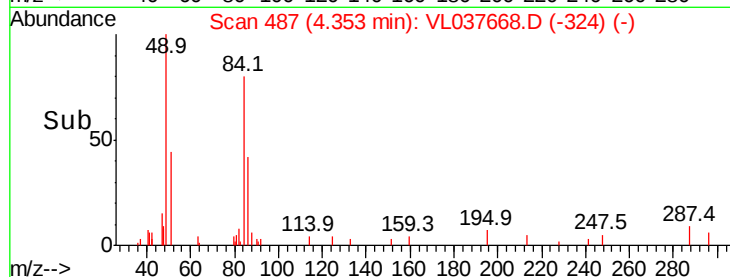
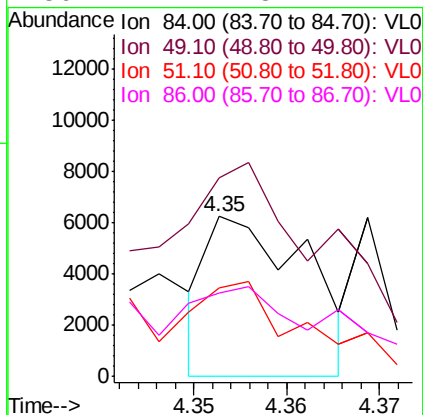
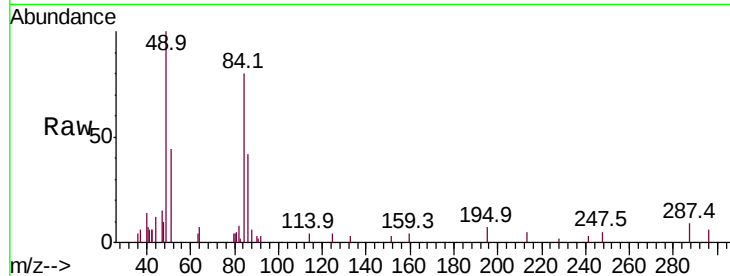




#20
Methylene Chloride
Concen: 0.061 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037668.D
Acq: 23 Sep 2021 18:30

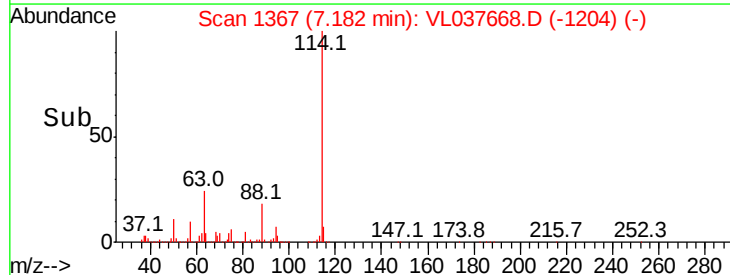
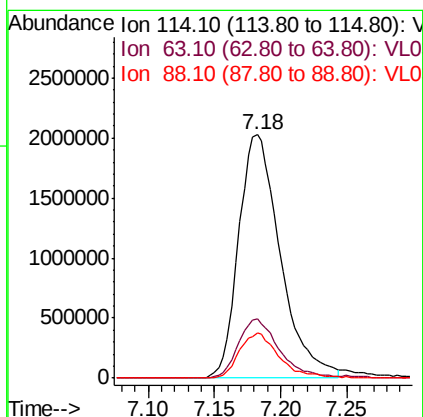
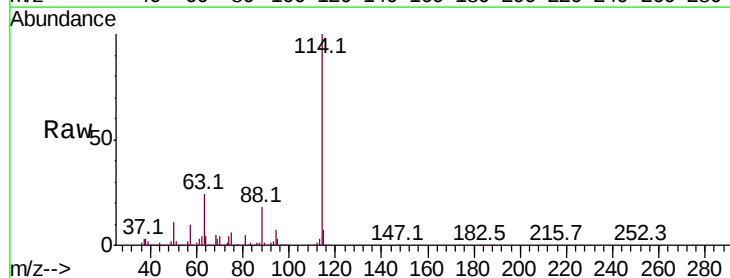
Instrument :
MSVOA_L
ClientSampleId :

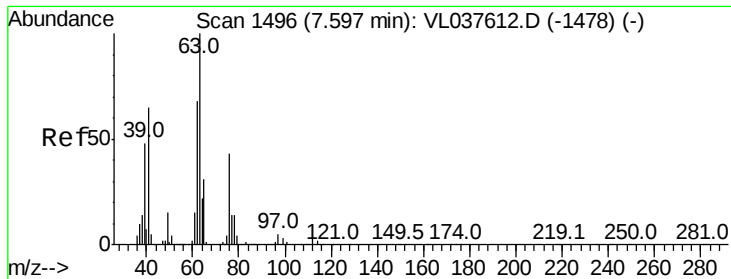
Tot Ion: 84 Resp: 4648
Ion Ratio Lower Upper
84 100
49 53.7 120.0 180.0#
51 58.3 38.0 57.0#
86 17.2 48.2 72.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VL037668.D
Acq: 23 Sep 2021 18:30

Tgt Ion: 114 Resp: 4450385
Ion Ratio Lower Upper
114 100
63 24.5 19.6 29.4
88 18.2 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.421 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.41 min

Lab File: VL037668.D

Acq: 23 Sep 2021 18:30

Instrument :

MSVOA_L

ClientSampleId :

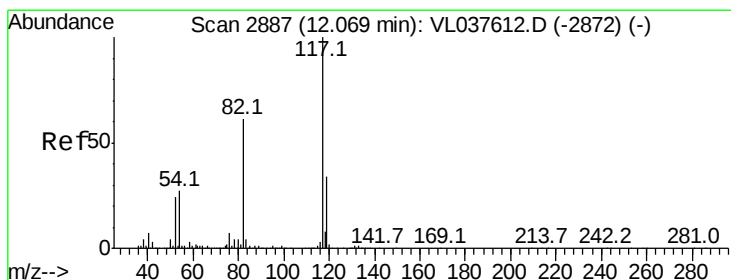
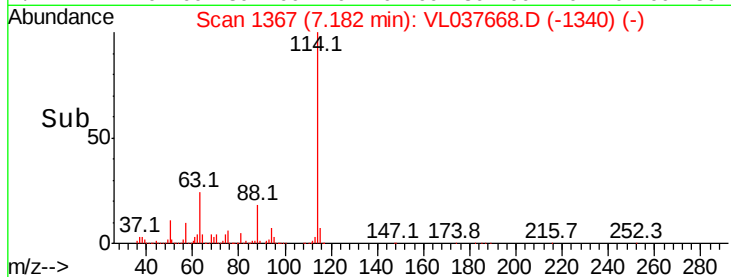
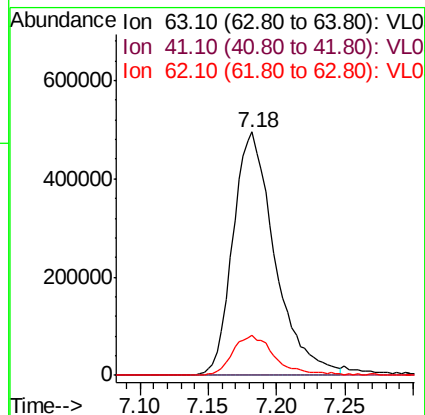
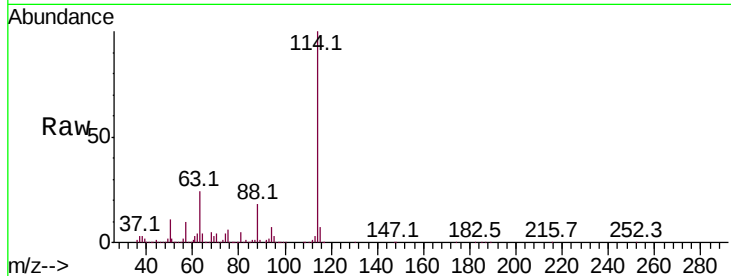
Tot Ion: 63 Resp: 1054778

Ion Ratio Lower Upper

63 100

41 0.2 51.6 77.4#

62 16.7 54.6 81.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.02 min

Lab File: VL037668.D

Acq: 23 Sep 2021 18:30

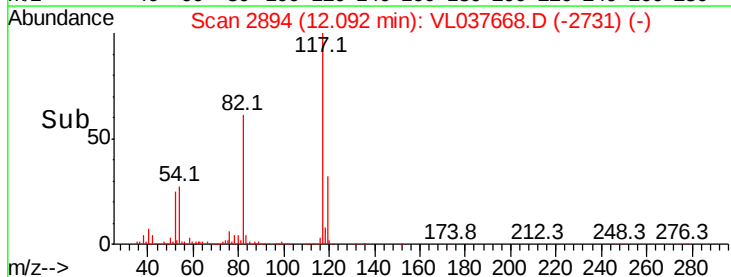
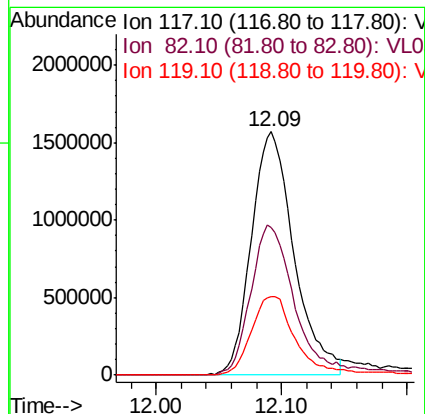
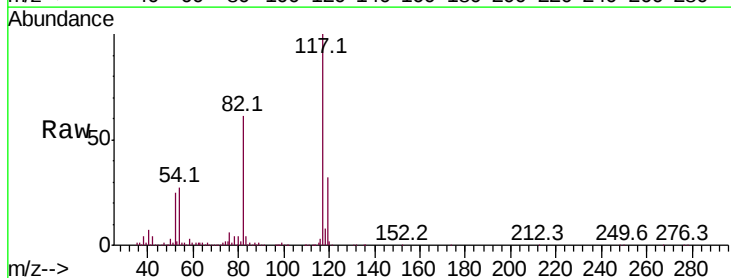
Tgt Ion: 117 Resp: 3713864

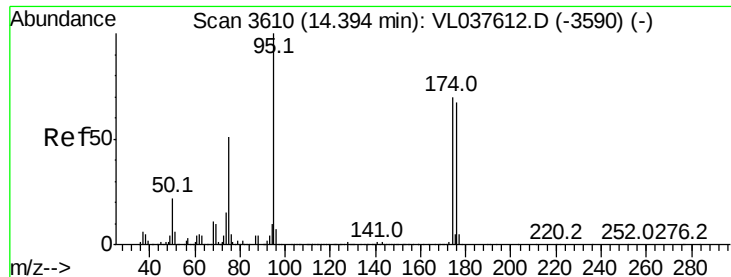
Ion Ratio Lower Upper

117 100

82 68.2 50.6 75.8

119 35.2 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.027 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL037668.D

Acq: 23 Sep 2021 18:30

Instrument :

MSVOA_L

ClientSampleId :

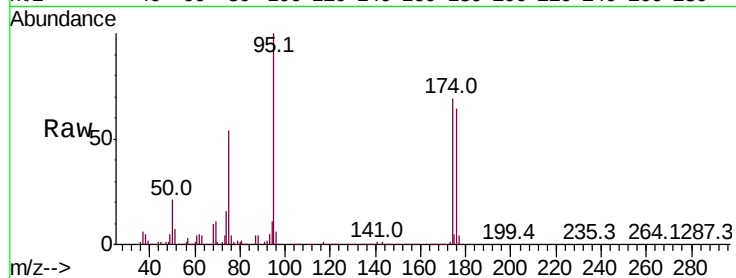
Tot Ion: 95 Resp: 2691130

Ion Ratio Lower Upper

95 100

174 77.6 56.3 84.5

175 5.5 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

