

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038118.D
 Acq On : 24 Nov 2021 2:58
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Nov 26 04:18:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	818594	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2348266	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	1981356	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1547687	10.83	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.30%

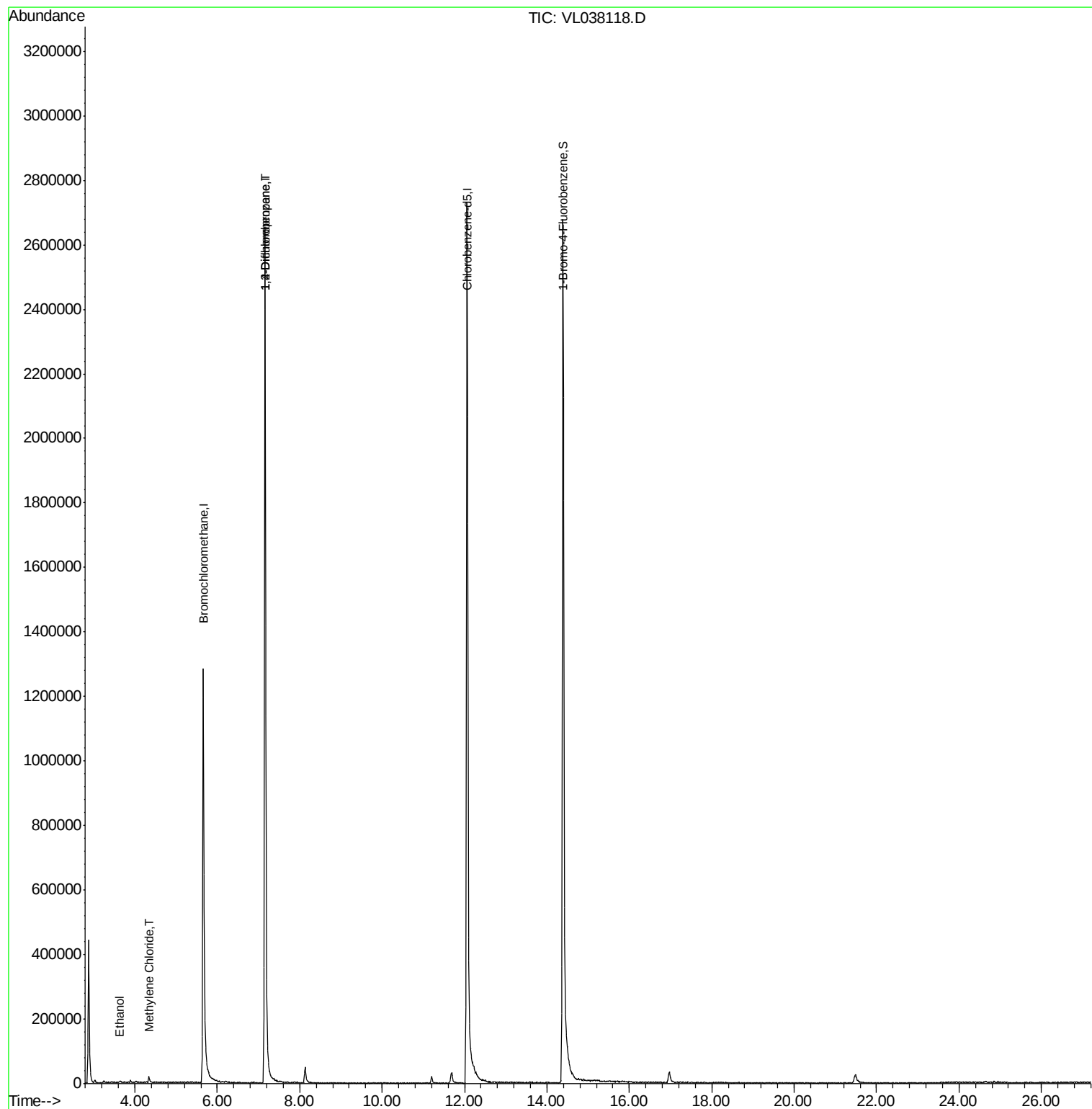
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	233	0.038	ppbv #	32
20) Methylene Chloride	4.34	84	6538	0.164	ppbv #	75
39) 1,2-Dichloropropane	7.16	63	597586	6.650	ppbv #	27

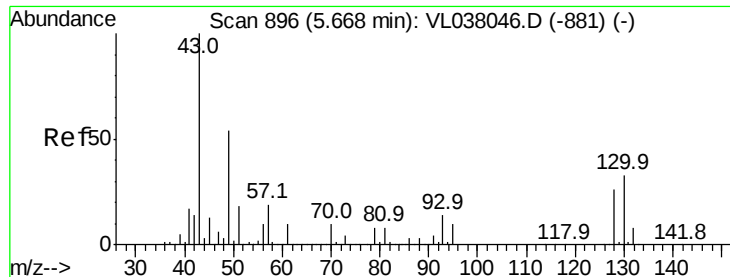
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 24 Nov 2021 2:58

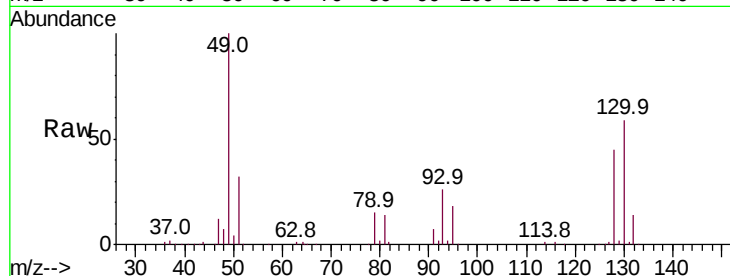
Tot Ion: 49 Resp: 818594

Ion Ratio Lower Upper

49 100

128 48.4 26.5 79.5

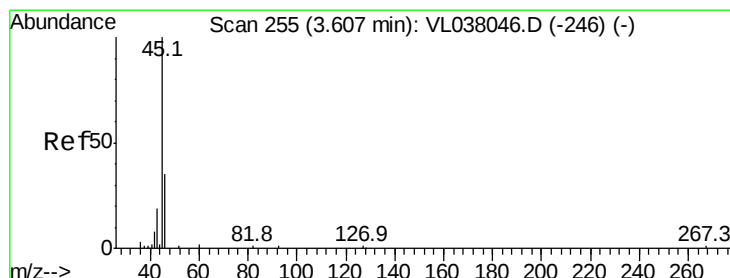
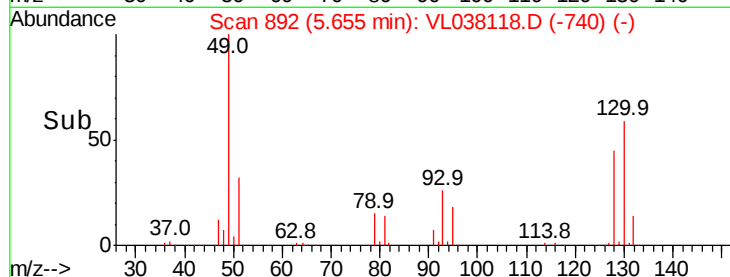
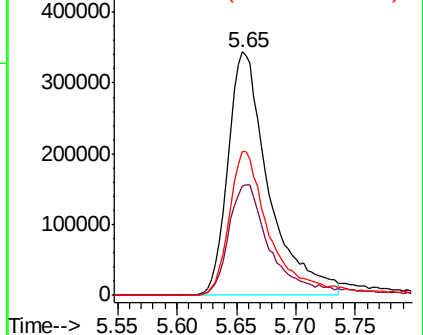
130 62.3 32.5 97.4



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: 0.038 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL038118.D

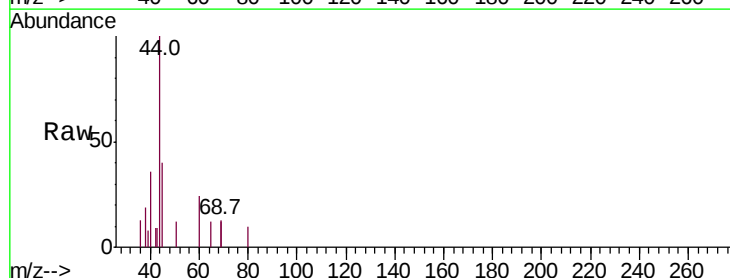
Acq: 24 Nov 2021 2:58

Tgt Ion: 45 Resp: 233

Ion Ratio Lower Upper

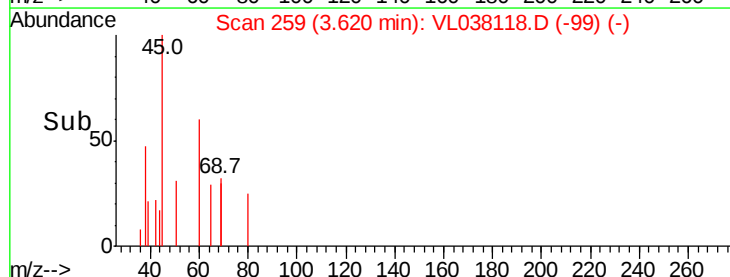
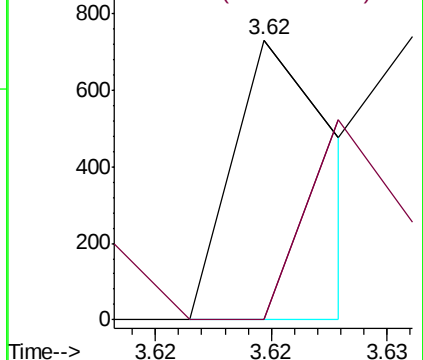
45 100

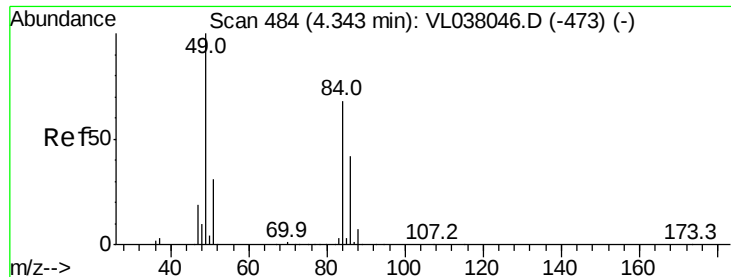
46 0.0 17.6 70.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

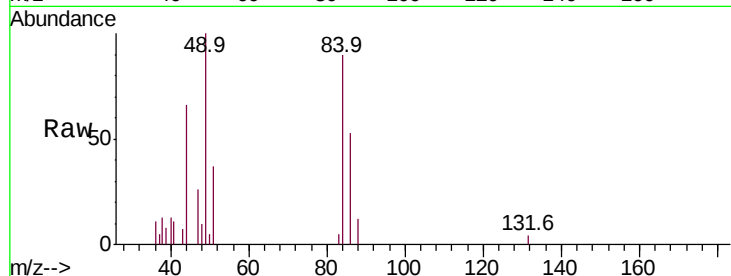
Ion 46.10 (45.80 to 46.80): VL0



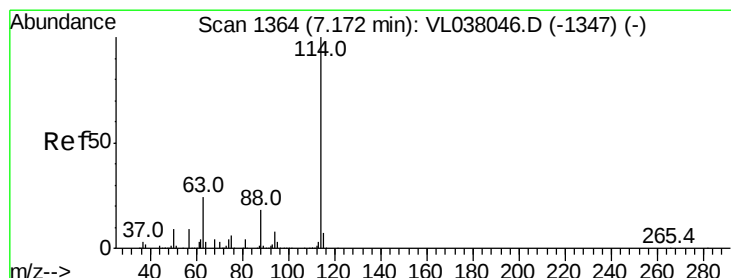
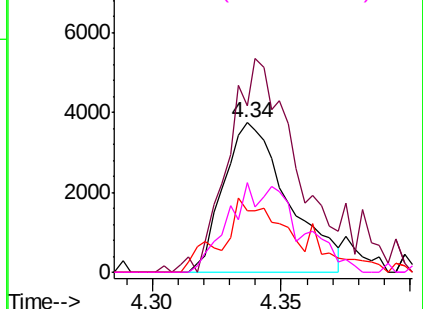
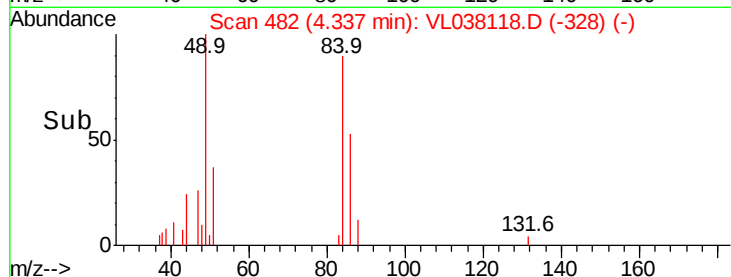


#20
Methylene Chloride
Concen: 0.164 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Nov 2021 2:58

Tot Ion: 84 Resp: 6538
Ion Ratio Lower Upper
84 100
49 101.0 118.2 177.2#
51 34.4 36.8 55.2#
86 59.6 49.0 73.6

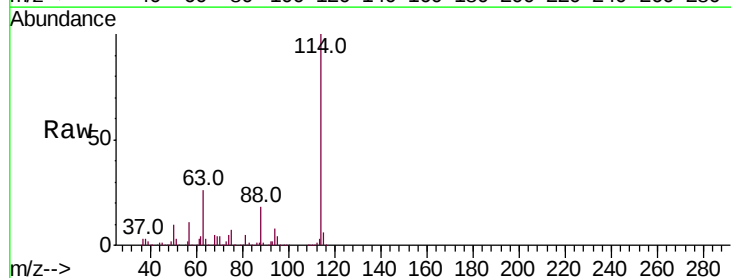


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

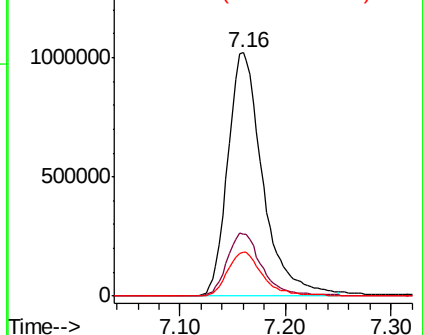
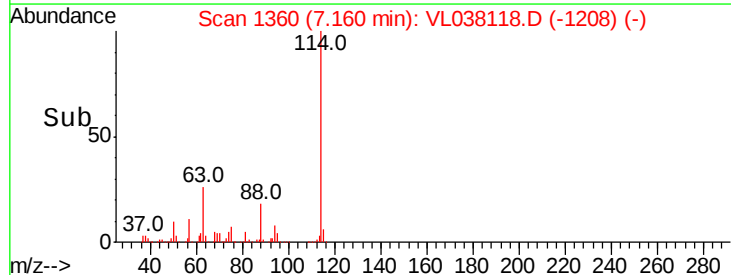


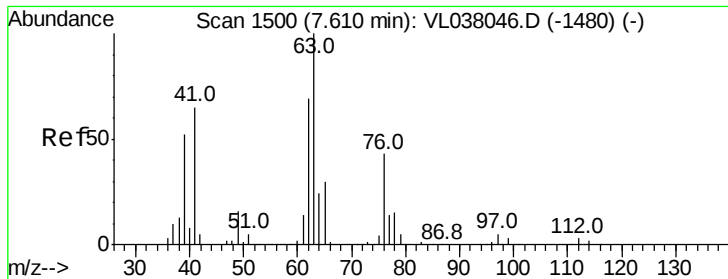
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL038118.D
Acq: 24 Nov 2021 2:58

Tgt Ion: 114 Resp: 2348266
Ion Ratio Lower Upper
114 100
63 26.3 19.7 29.5
88 18.6 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.650 ppbv

RT: 7.16 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 24 Nov 2021 2:58

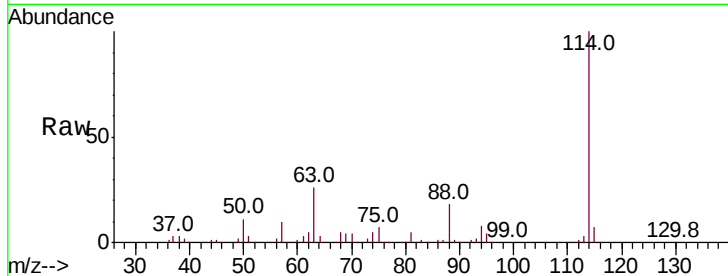
Tot Ion: 63 Resp: 597586

Ion Ratio Lower Upper

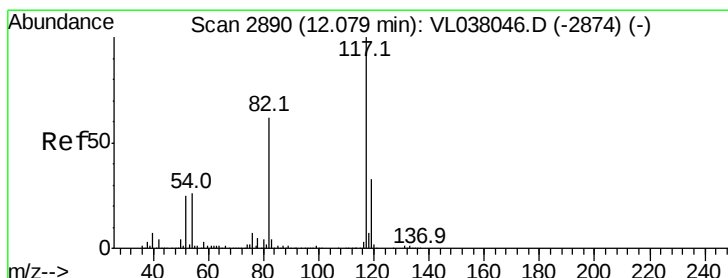
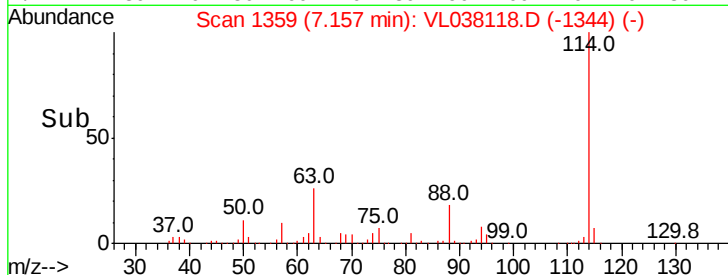
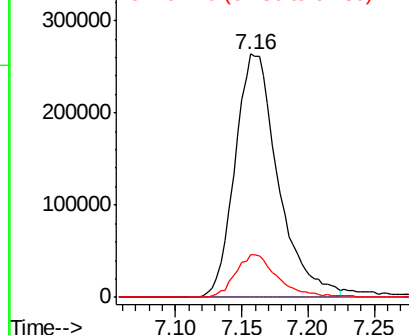
63 100

41 0.0 52.3 78.5#

62 17.4 55.1 82.7#



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: 12.06 min Scan# 2885

Delta R.T. -0.02 min

Lab File: VL038118.D

Acq: 24 Nov 2021 2:58

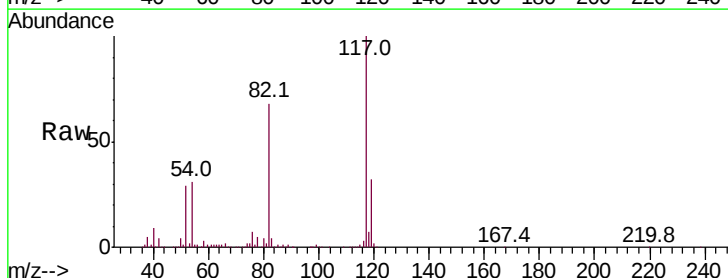
Tgt Ion: 117 Resp: 1981356

Ion Ratio Lower Upper

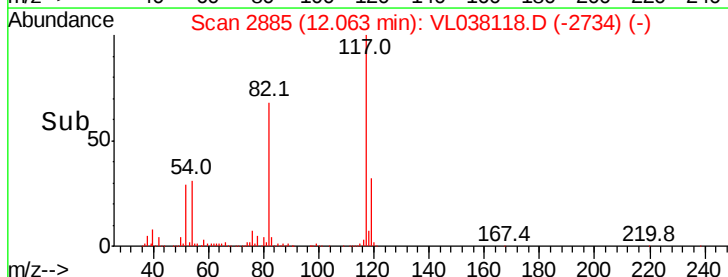
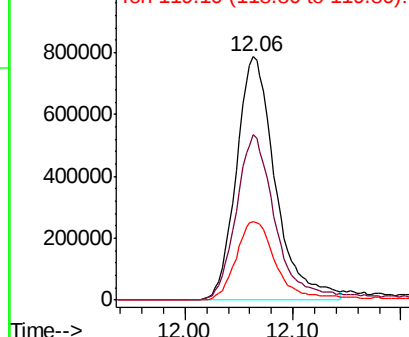
117 100

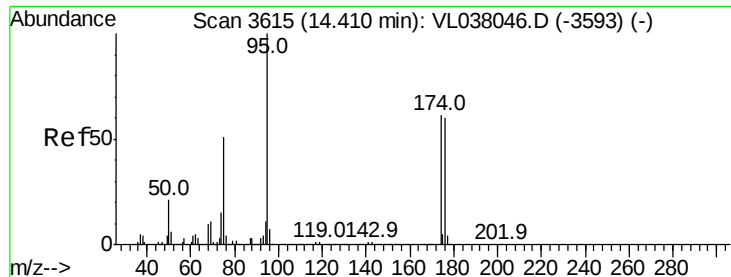
82 72.9 52.8 79.2

119 34.8 26.8 40.2



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: 10.829 ppbv

RT: 14.39 Instrument :

Delta R.T MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Nov 2021 2:38

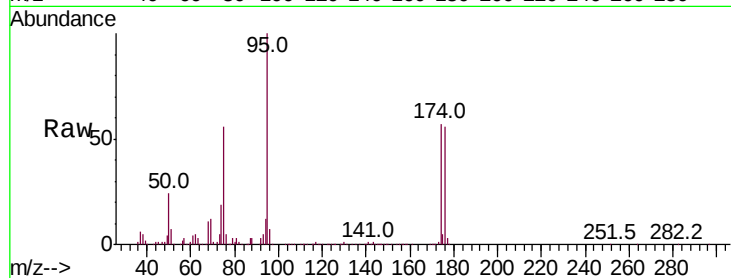
Tot Ion: 95 Resp: 1547687

Ion Ratio Lower Upper

95 100

174 62.2 53.1 79.7

175 4.4 4.0 6.0



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

