

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038060.D
 Acq On : 18 Nov 2021 19:09
 Operator : SY/AP
 Sample : OC111121 CAN 10198
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC111121 CAN 10198

Quant Time: Nov 19 07:30:33 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	5.67	49	872296	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2506805	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2093652	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1552903	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

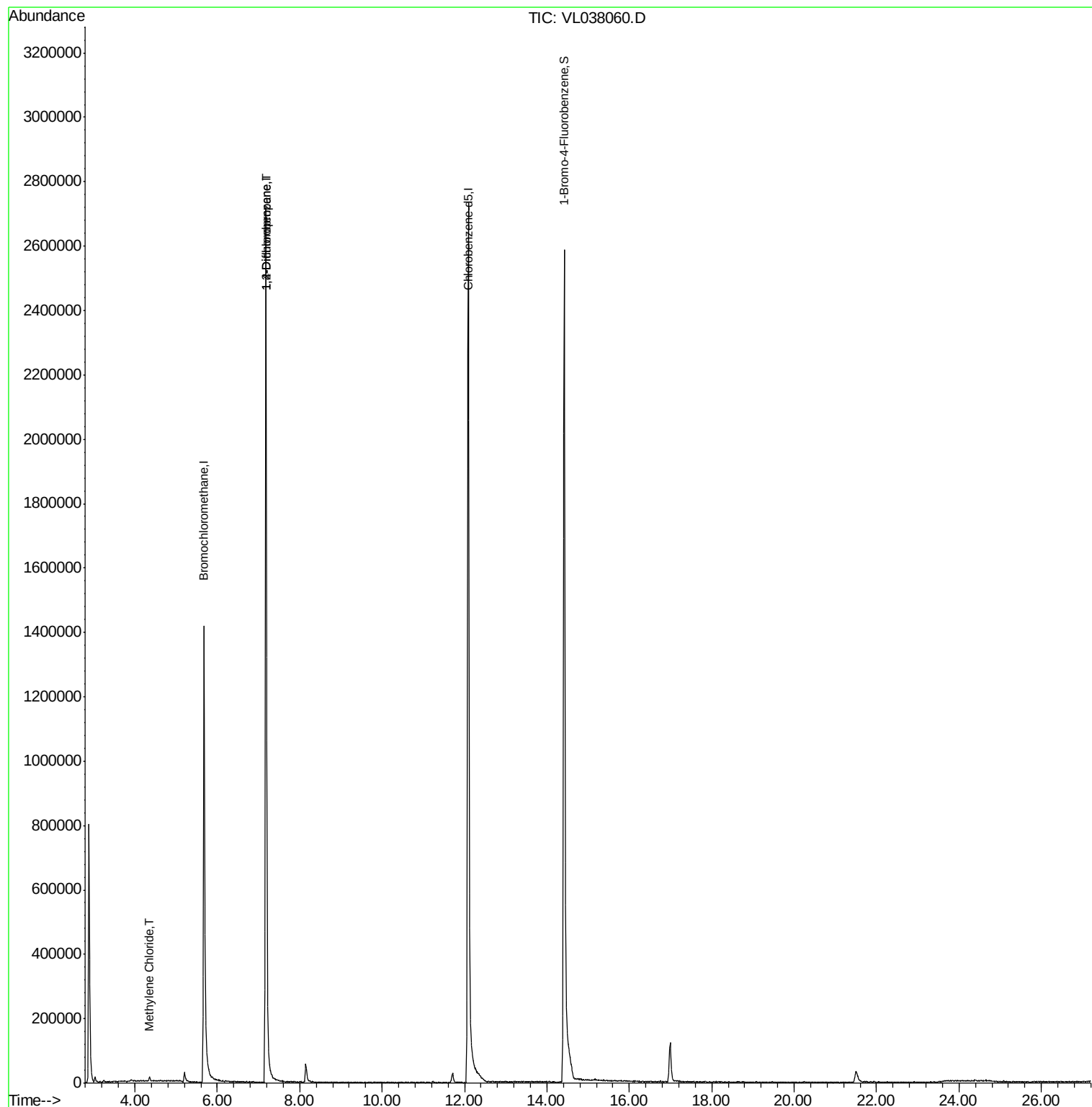
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.35	84	3876	0.091	ppbv	87
39) 1,2-Dichloropropane	7.18	63	608813	6.347	ppbv #	27

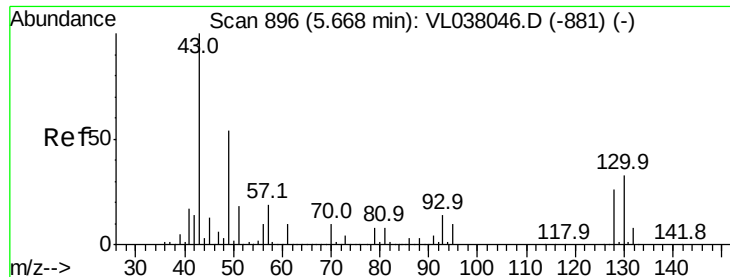
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Nov 2021 19:09

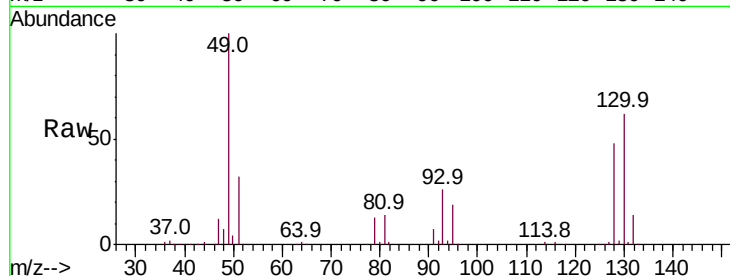
Tot Ion: 49 Resp: 872296

Ion Ratio Lower Upper

49 100

128 50.5 26.5 79.5

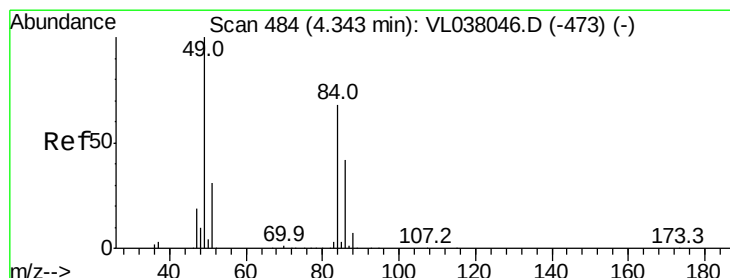
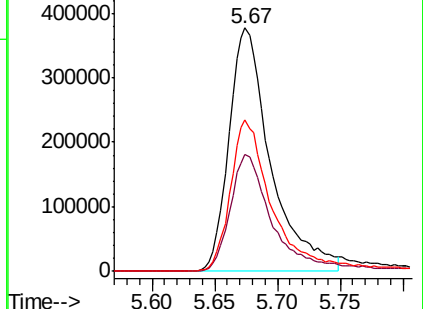
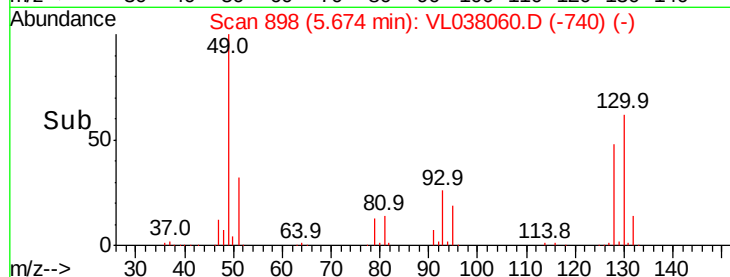
130 65.9 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#20

Methylene Chloride

Concen: 0.091 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038060.D

Acq: 18 Nov 2021 19:09

Tgt Ion: 84 Resp: 3876

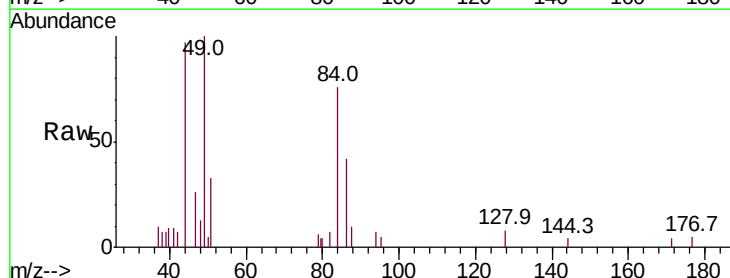
Ion Ratio Lower Upper

84 100

49 125.3 118.2 177.2

51 43.7 36.8 55.2

86 55.3 49.0 73.6

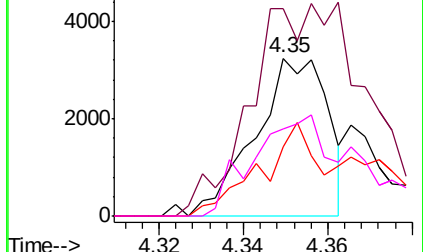
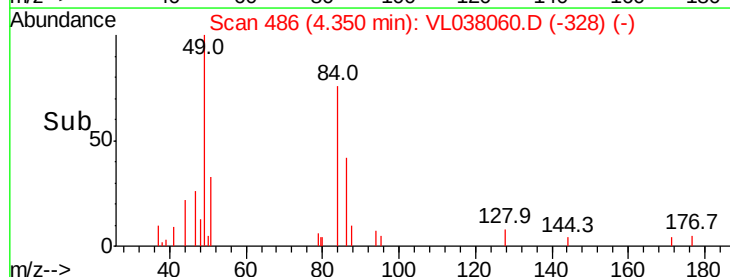


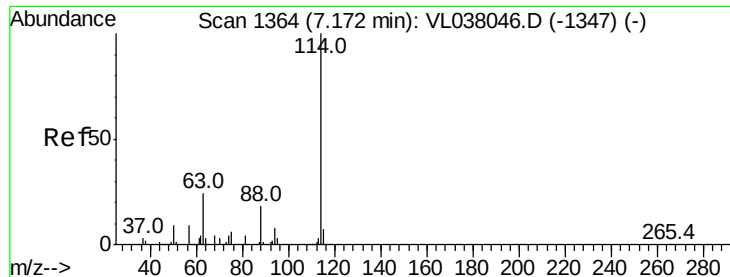
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 19:09 OC111121 CAN 10198

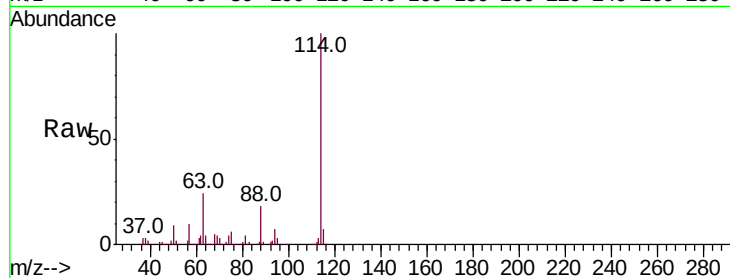
Tot Ion:114 Resp: 2506805

Ion Ratio Lower Upper

114 100

63 24.8 19.7 29.5

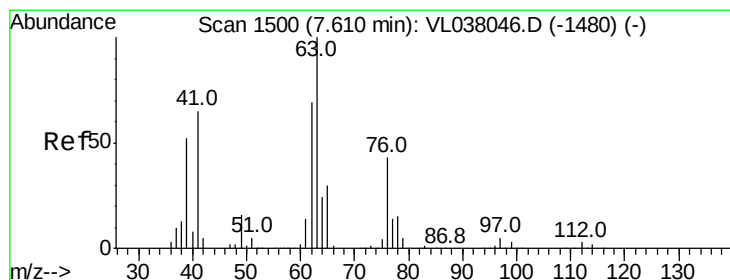
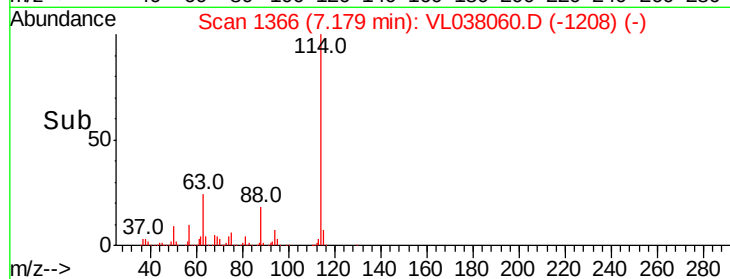
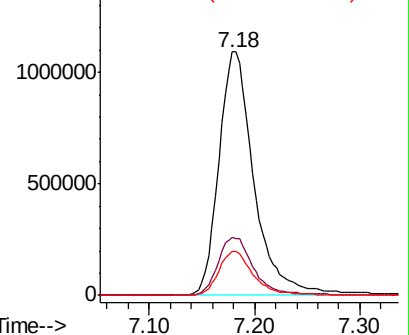
88 18.2 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 6.347 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL038060.D

Acq: 18 Nov 2021 19:09

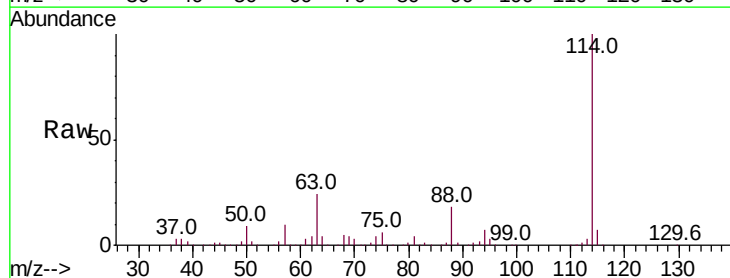
Tgt Ion: 63 Resp: 608813

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

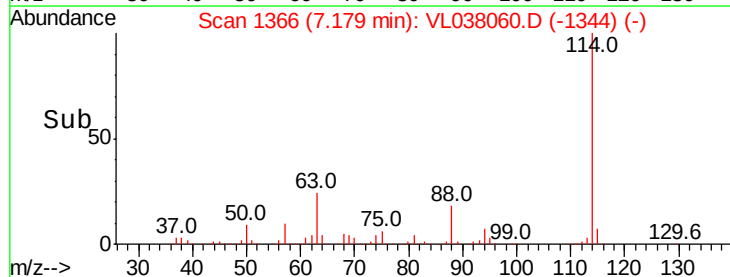
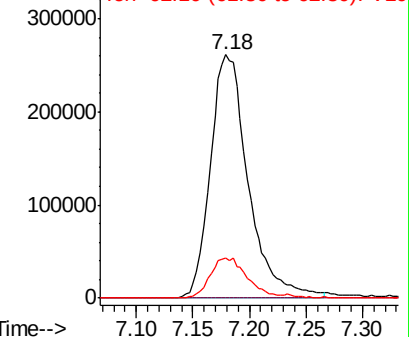
62 16.3 55.1 82.7#

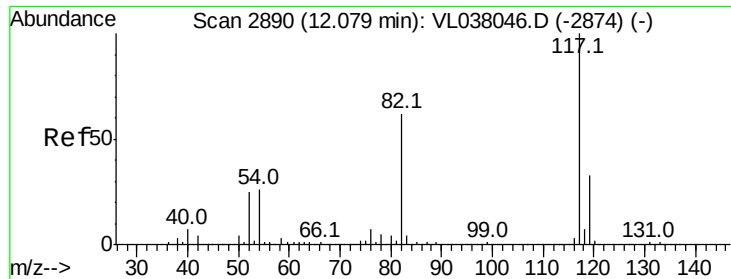


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

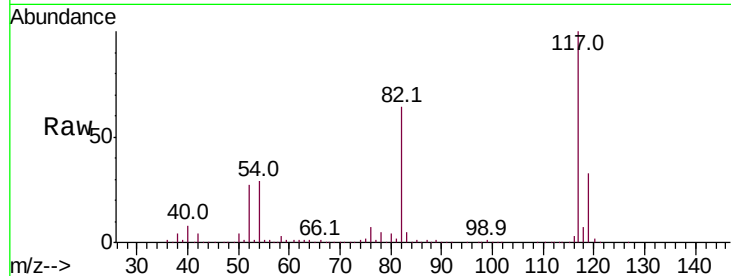




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: OC111121 CAN 10198
Acq: 18 Nov 2021 19:09

Tot Ion: 117 Resp: 2093652

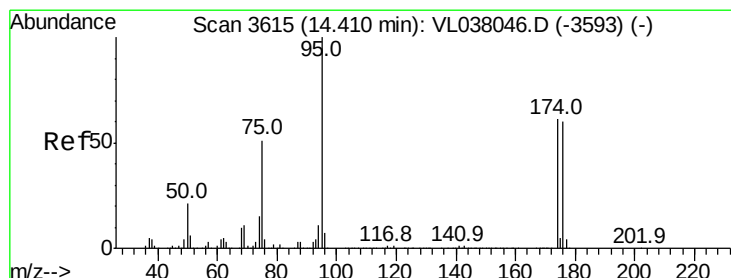
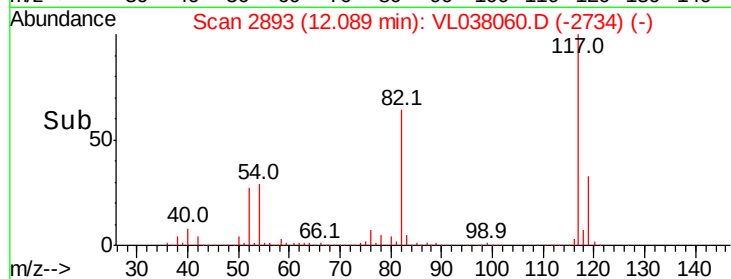
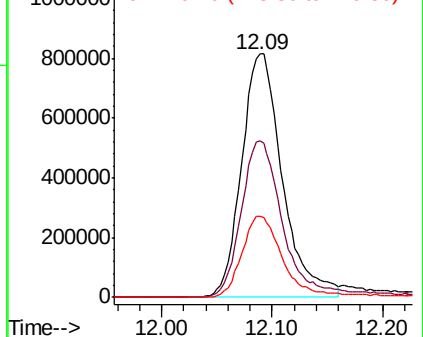
Ion	Ratio	Lower	Upper
117	100		
82	69.2	52.8	79.2
119	34.8	26.8	40.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

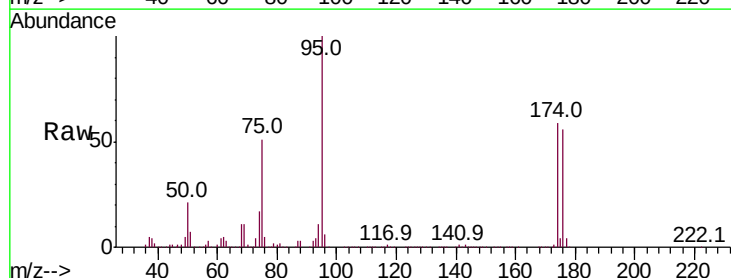
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.283 ppbv
RT: 14.42 min Scan# 3617
Delta R.T.: 0.01 min
Lab File: VL038060.D
Acq: 18 Nov 2021 19:09

Tgt Ion: 95 Resp: 1552903

Ion	Ratio	Lower	Upper
95	100		
174	66.2	53.1	79.7
175	4.6	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

