

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036268.D
 Acq On : 22 Jan 2021 15:55
 Operator : SY/AP
 Sample : QC010521 CAN 10266
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC010521 CAN 10266

Quant Time: Jan 23 04:35:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1542505	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3201112	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	2897661	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1163068	4.85	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	48.50%#

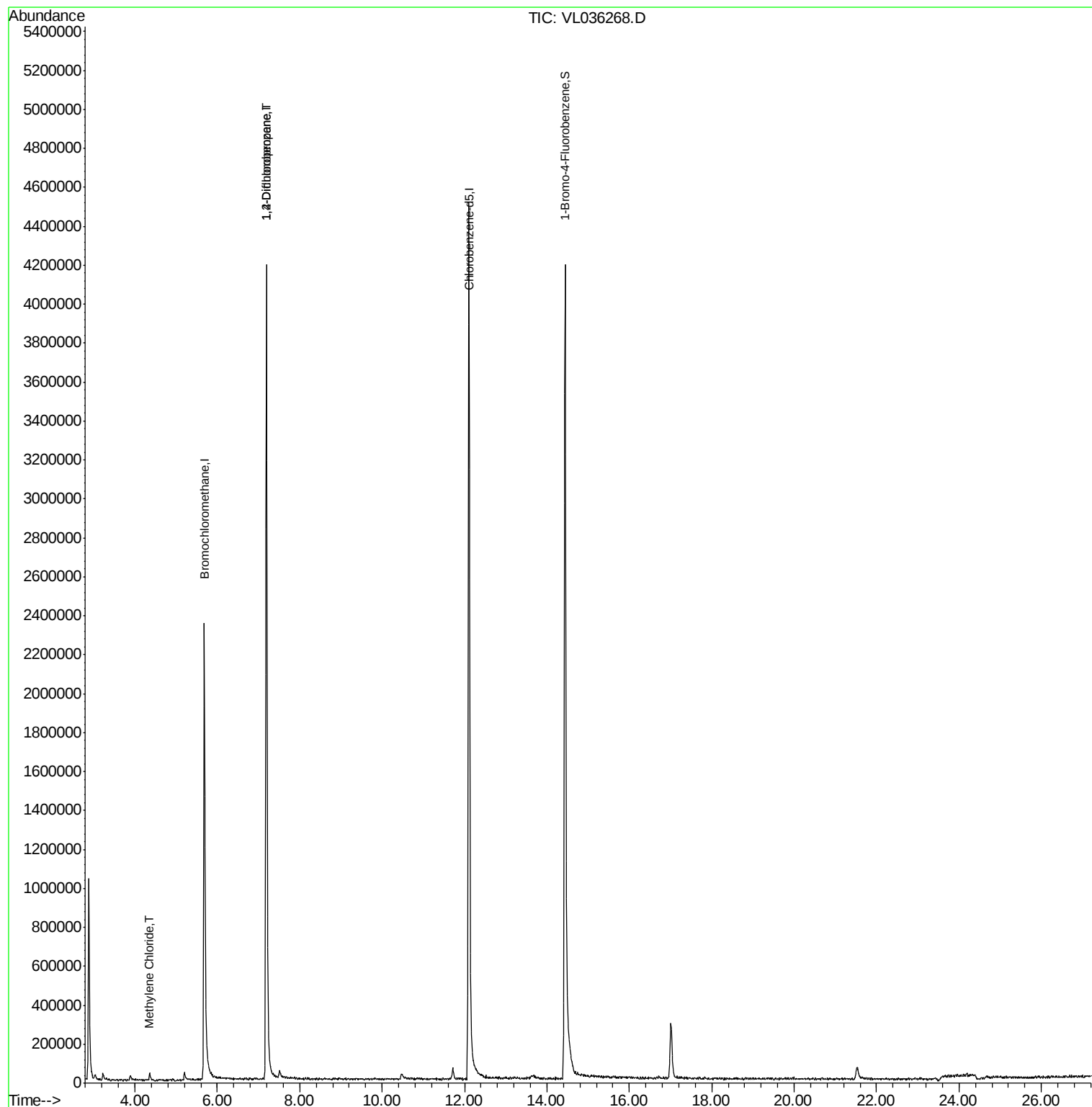
Target Compounds					Ovalue
20) Methylene Chloride	4.36	84	10201	0.169 ppbv #	82
39) 1,2-Dichloropropane	7.19	63	968899	8.136 ppbv #	21

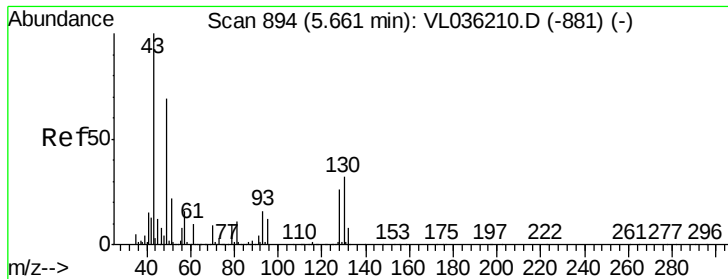
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

QC010521 CAN 10266

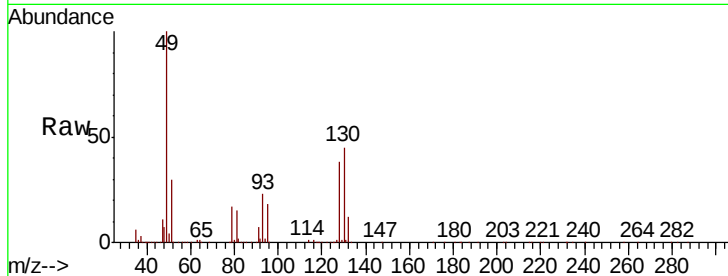
Tot Ion: 49 Resp: 1542505

Ion Ratio Lower Upper

49 100

128 39.8 20.1 60.2

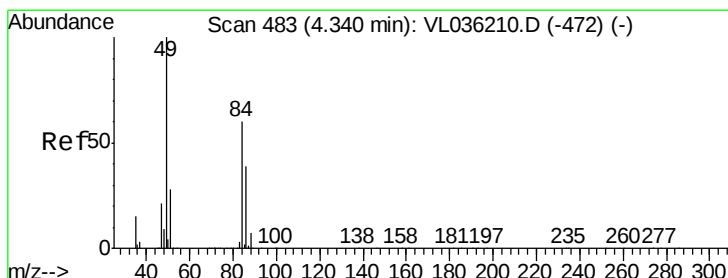
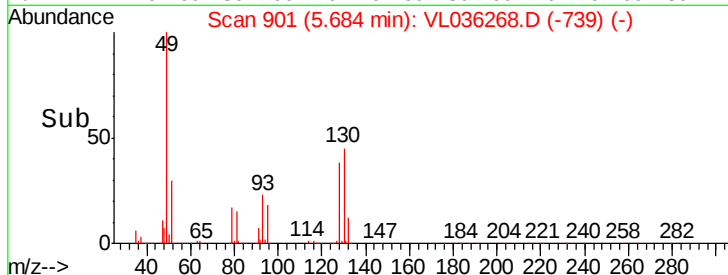
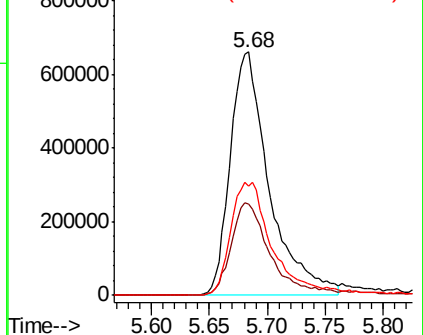
130 51.8 25.3 75.9



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: 0.169 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.02 min

Lab File: VL036268.D

Acq: 22 Jan 2021 15:55

Tgt Ion: 84 Resp: 10201

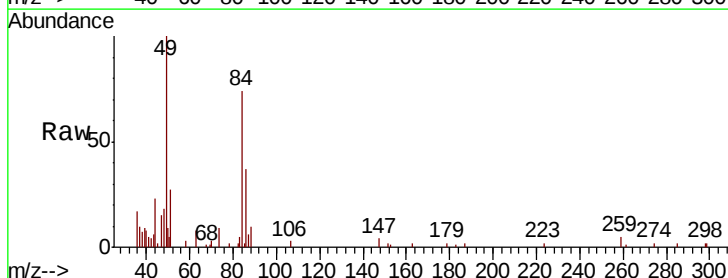
Ion Ratio Lower Upper

84 100

49 145.3 134.1 201.1

51 36.7 37.4 56.0#

86 47.4 52.6 78.8#

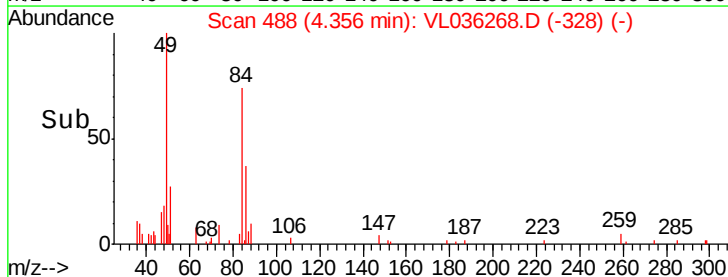
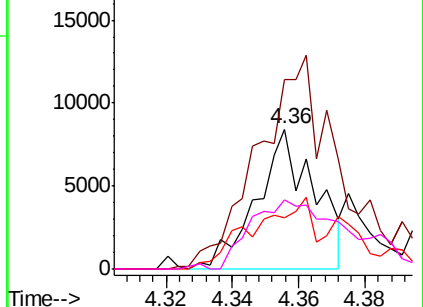


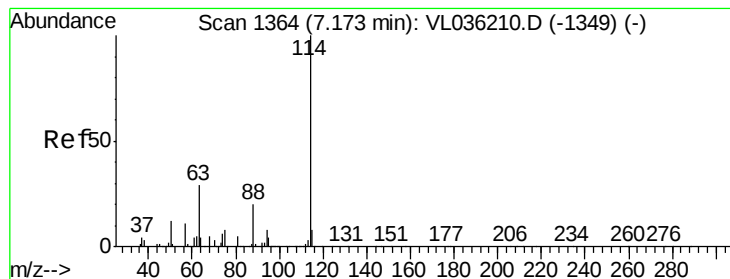
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.19 min Scan# 1370

Delta R.T. 0.02 min

Lab File: VL036268.D

Acq: 22 Jan 2021 15:55

Instrument :

MSVOA_L

ClientSampleId :

QC010521 CAN 10266

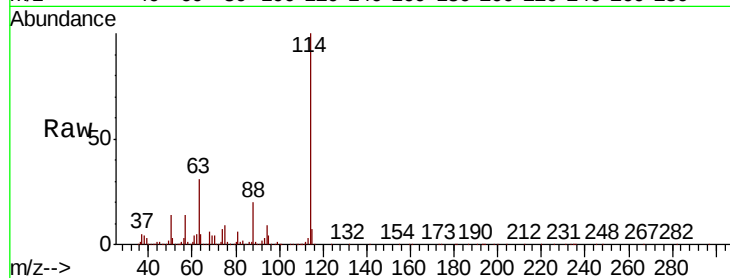
Tot Ion:114 Resp: 3201112

Ion Ratio Lower Upper

114 100

63 31.5 24.7 37.1

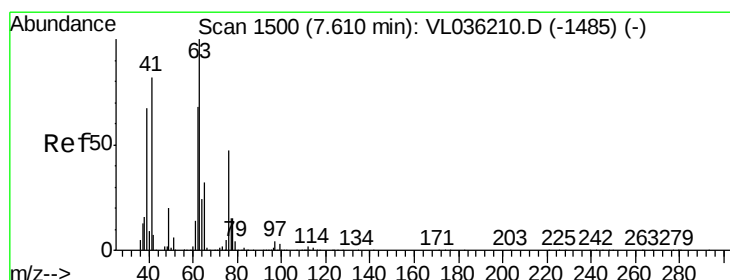
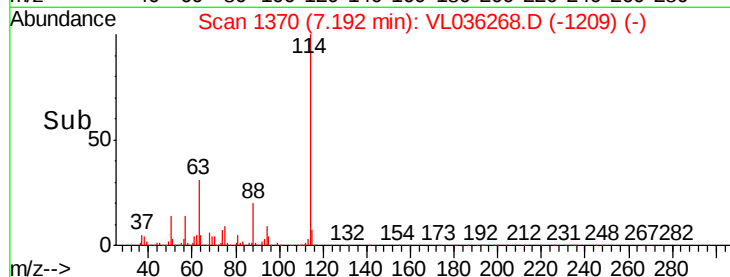
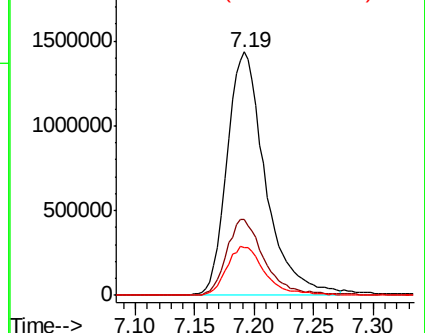
88 20.3 16.6 24.8



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: 8.136 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.42 min

Lab File: VL036268.D

Acq: 22 Jan 2021 15:55

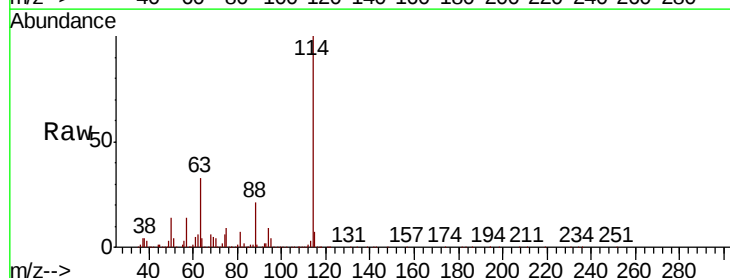
Tgt Ion: 63 Resp: 968899

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

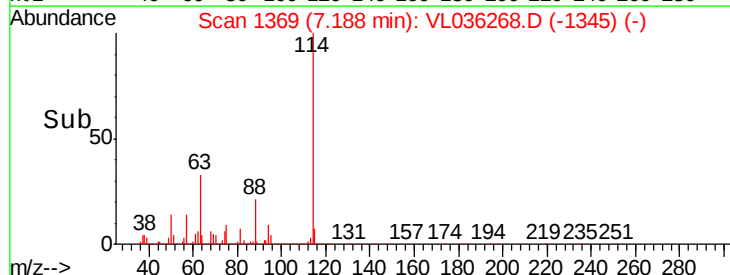
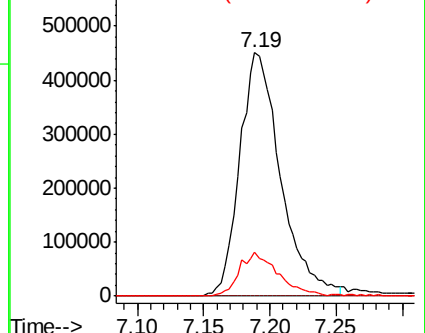
62 17.9 54.8 82.2#

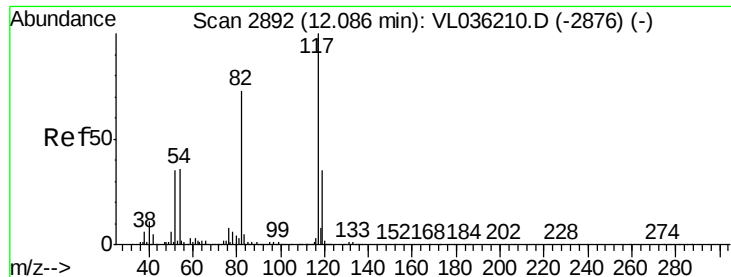


Abundance Ion 63.10 (62.80 to 63.80): VL0

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: 12.11 min Scan# 2899

Delta R.T. 0.02 min

Lab File: VL036268.D

Acq: 22 Jan 2021 15:55

Instrument :

MSVOA_L

ClientSampleId :

QC010521 CAN 10266

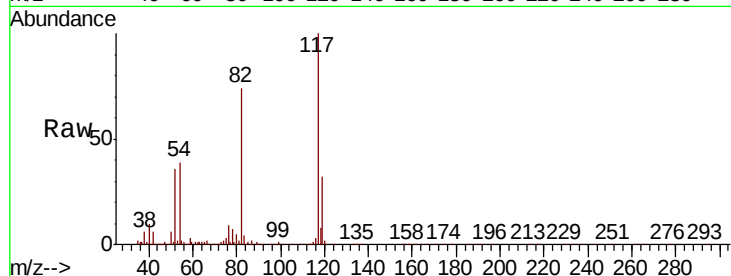
Tot Ion:117 Resp: 2897661

Ion Ratio Lower Upper

117 100

82 75.3 59.7 89.5

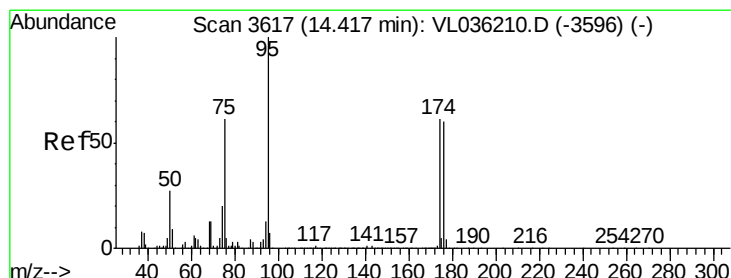
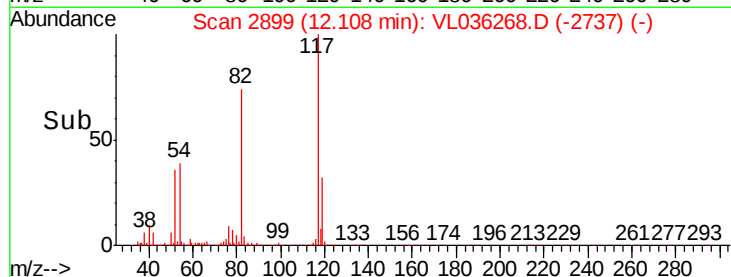
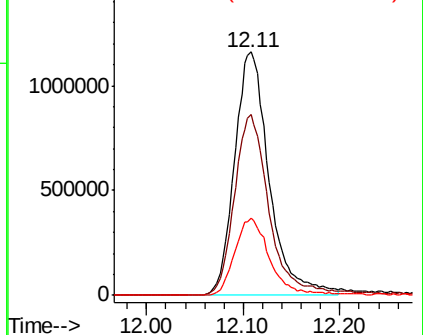
119 32.8 28.6 43.0



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: 4.849 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.03 min

Lab File: VL036268.D

Acq: 22 Jan 2021 15:55

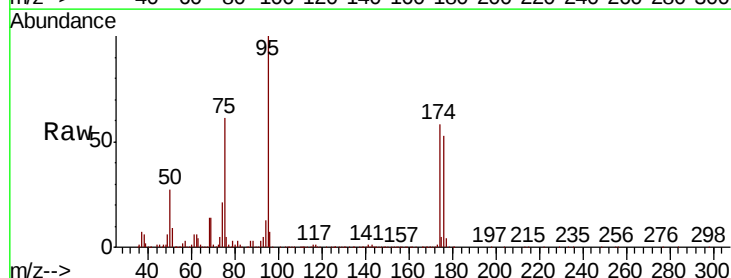
Tgt Ion: 95 Resp: 1163068

Ion Ratio Lower Upper

95 100

174 128.1 49.4 74.0#

175 9.3 3.8 5.8#



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

