

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038008.D
 Acq On : 10 Nov 2021 13:34
 Operator : SY/AP
 Sample : VL1110ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 03:42:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1417943	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4155997	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3568999	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2608430	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

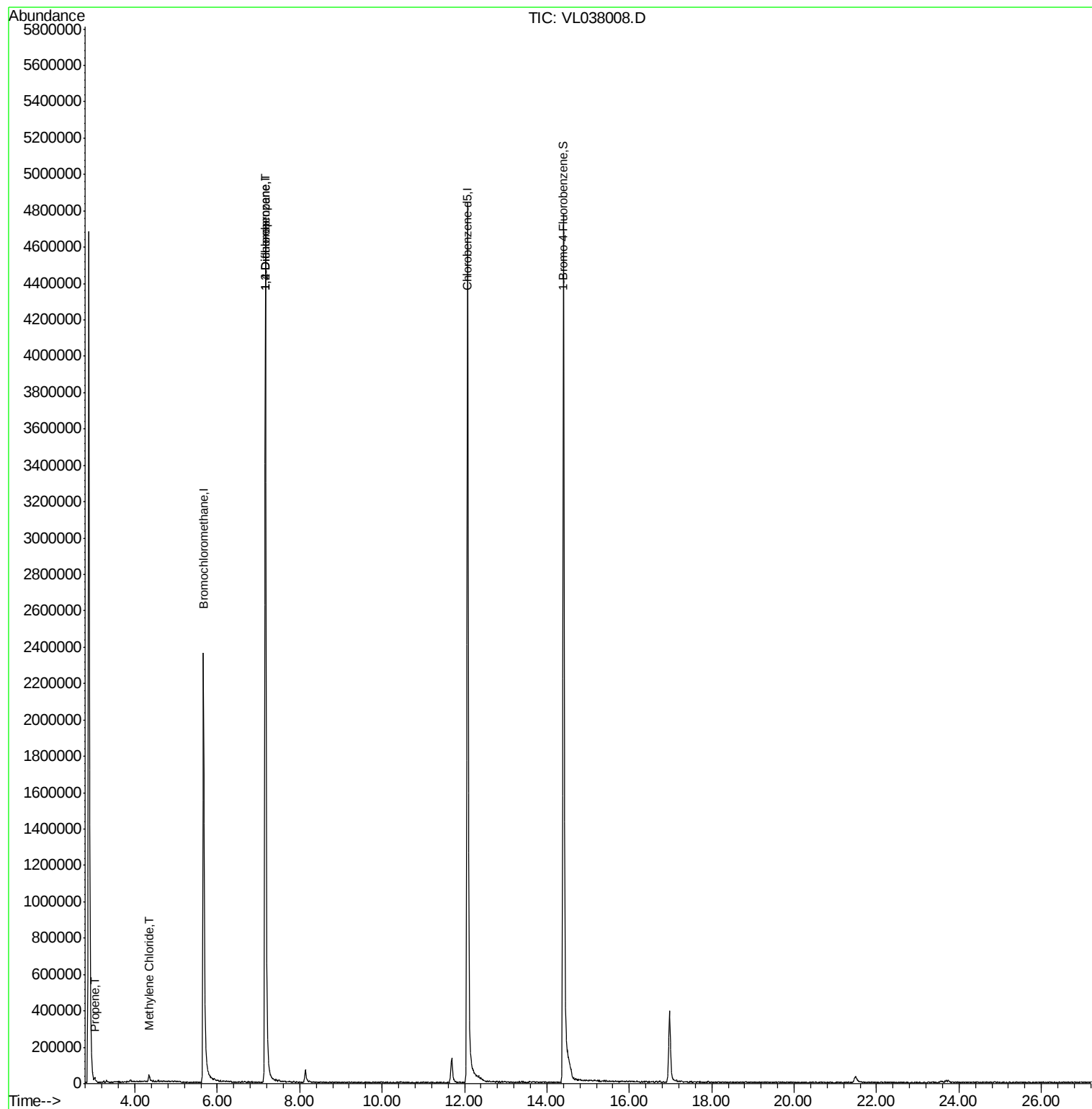
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	5916	0.063	ppbv	85
20) Methylene Chloride	4.35	84	9355	0.145	ppbv #	87
39) 1,2-Dichloropropane	7.17	63	972406	7.636	ppbv #	28

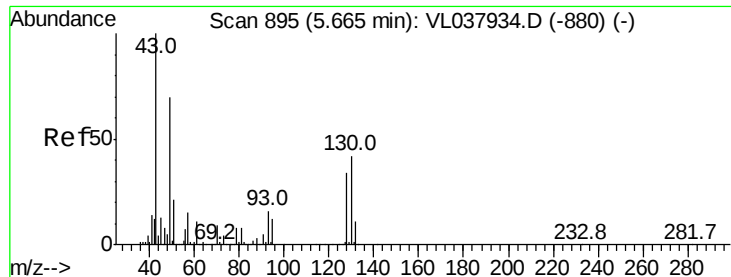
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 13:34

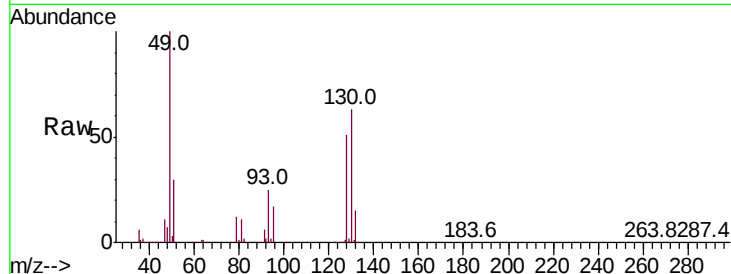
Tot Ion: 49 Resp: 1417943

Ion Ratio Lower Upper

49 100

128 53.6 27.0 81.0

130 69.1 33.4 100.2



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

5.66

800000

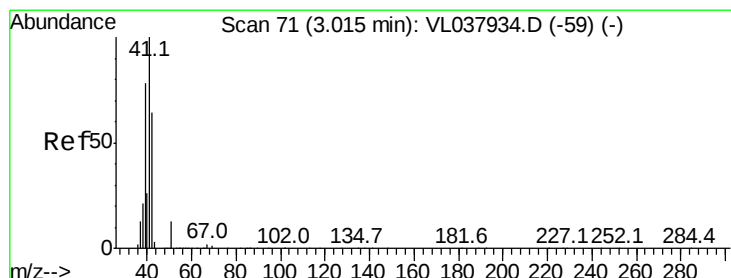
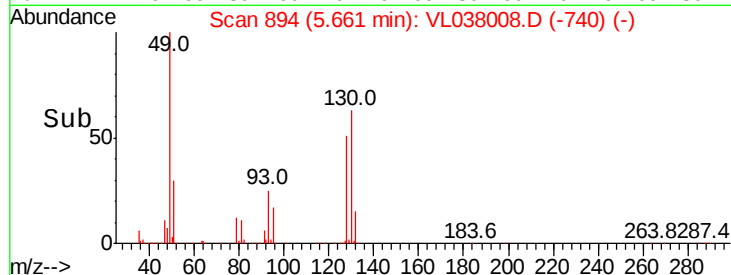
600000

400000

200000

0

Time--> 5.55 5.60 5.65 5.70 5.75



#9

Propene

Concen: 0.063 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL038008.D

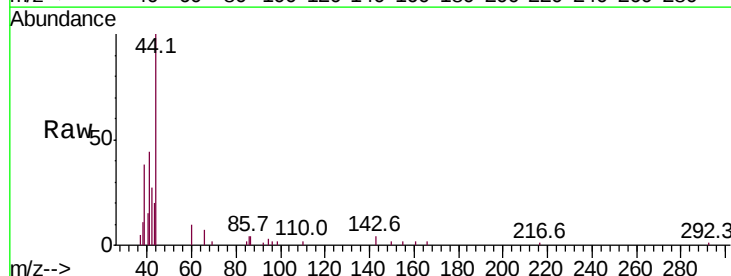
Acq: 10 Nov 2021 13:34

Tgt Ion: 41 Resp: 5916

Ion Ratio Lower Upper

41 100

42 84.5 57.6 86.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

5000

4000

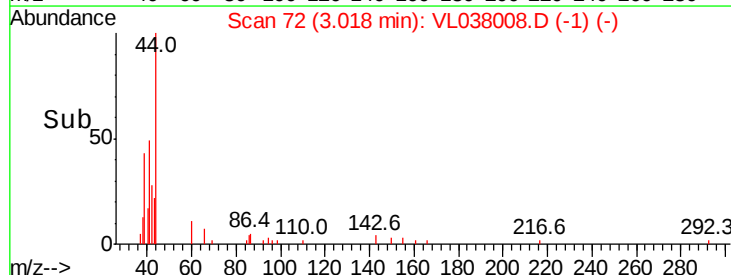
3000

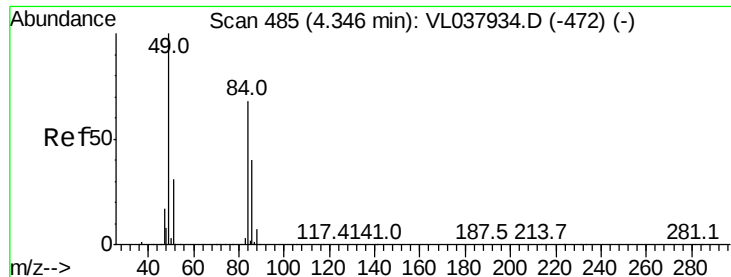
2000

1000

0

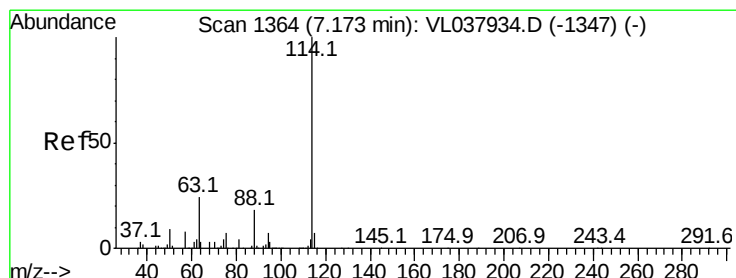
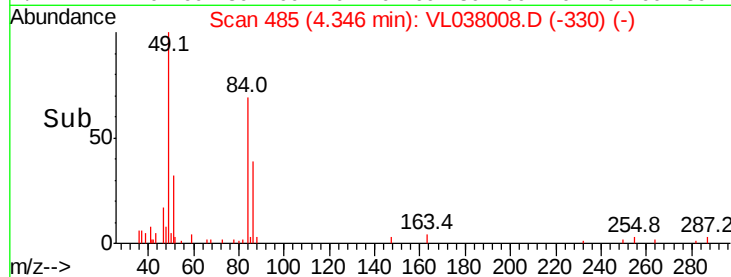
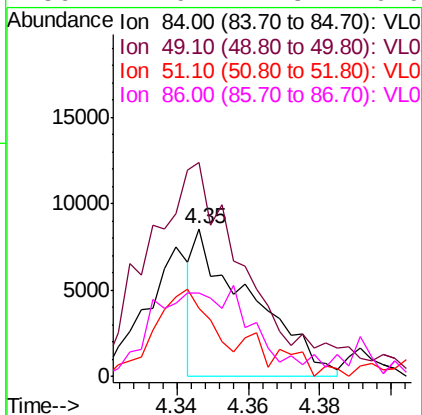
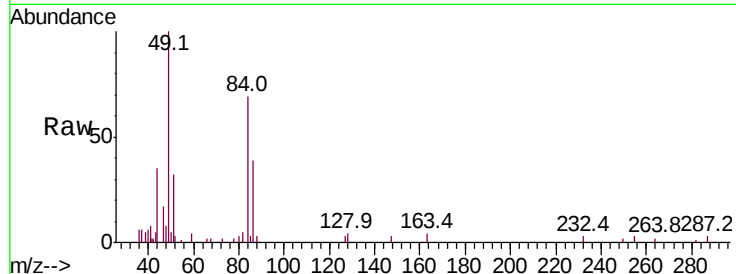
Time--> 2.98 3.00 3.02 3.04





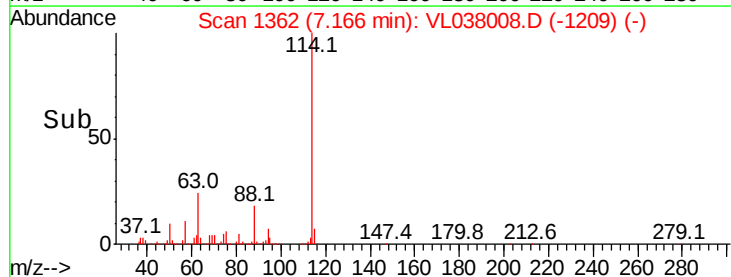
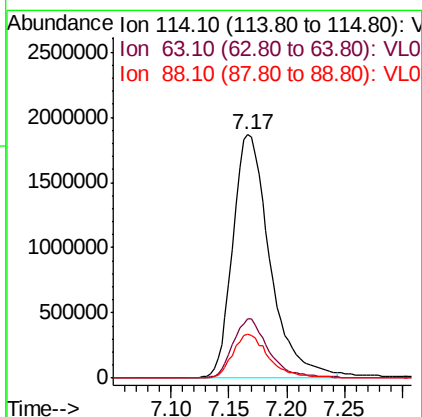
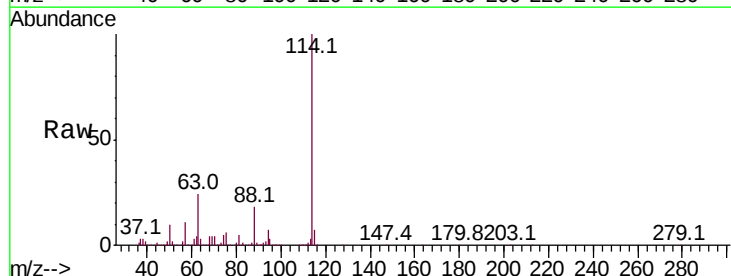
#20
Methvlene Chloride
Concen: 0.145 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 Nov 2021 13:34

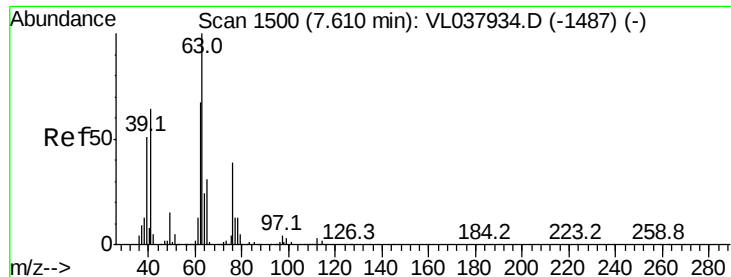
Tot Ion:	84	Resp:	9355
Ion	Ratio	Lower	Upper
84	100		
49	130.6	117.5	176.3
51	42.2	35.9	53.9
86	42.9	47.3	70.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038008.D
Acq: 10 Nov 2021 13:34

Tgt Ion:	114	Resp:	4155997
Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.0
88	17.7	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.636 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 Nov 2021 13:34

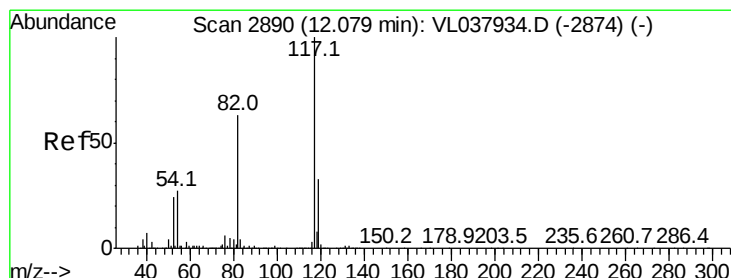
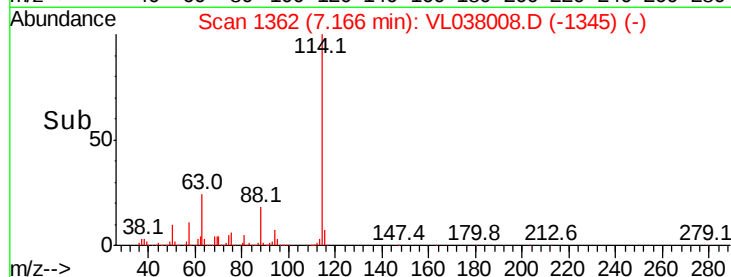
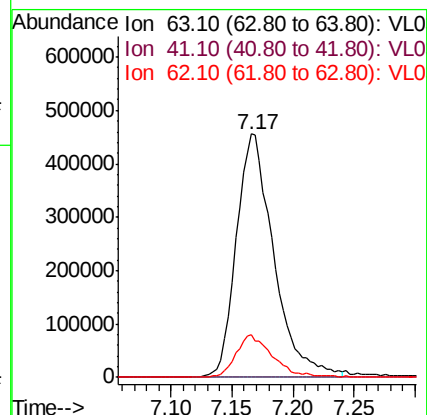
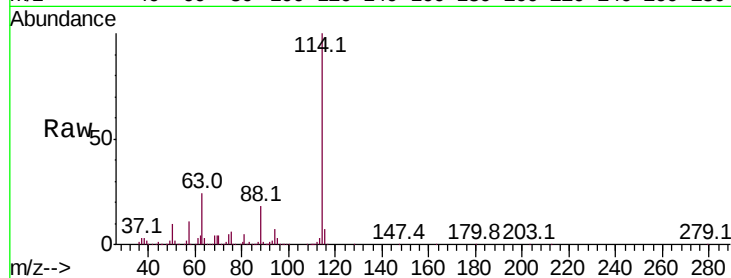
Tot Ion: 63 Resp: 972406

Ion Ratio Lower Upper

63 100

41 0.1 51.6 77.4#

62 17.5 53.5 80.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.01 min

Lab File: VL038008.D

Acq: 10 Nov 2021 13:34

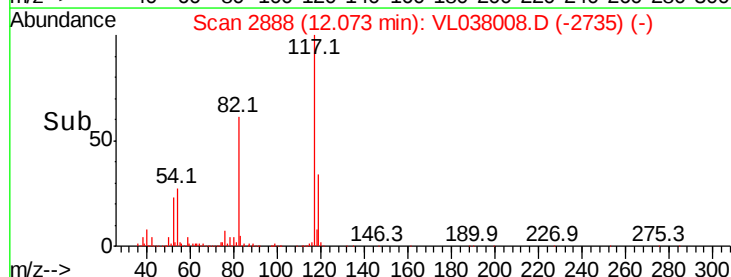
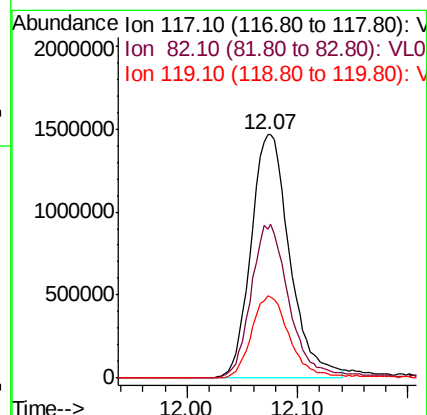
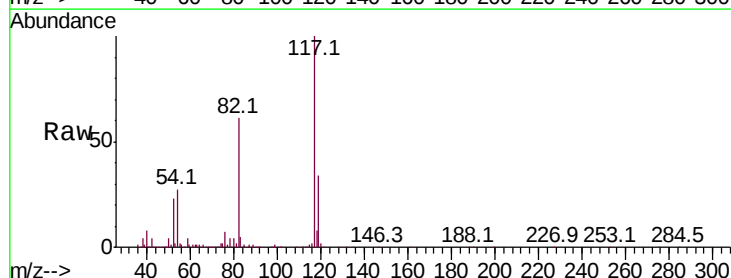
Tgt Ion: 117 Resp: 3568999

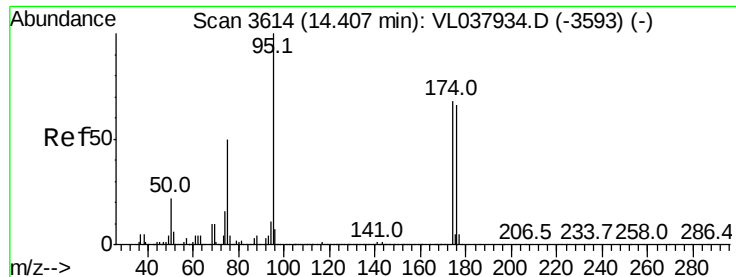
Ion Ratio Lower Upper

117 100

82 65.1 51.0 76.6

119 34.3 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.054 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 13:34

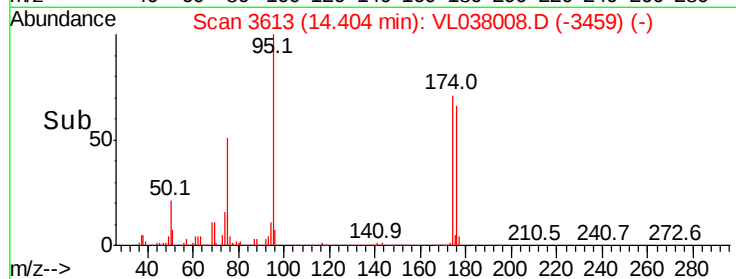
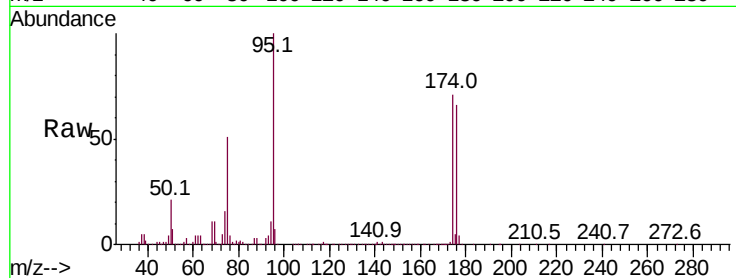
Tot Ion: 95 Resp: 2608430

Ion Ratio Lower Upper

95 100

174 73.3 58.3 87.5

175 5.3 4.6 6.8



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

