

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038922.D
 Acq On : 14 Apr 2022 17:30
 Operator : SY/AP
 Sample : OC041322 CAN 10413
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC041322 CAN 10413

Quant Time: Apr 15 08:06:50 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1077644	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2595519	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2238786	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1867990	11.00	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

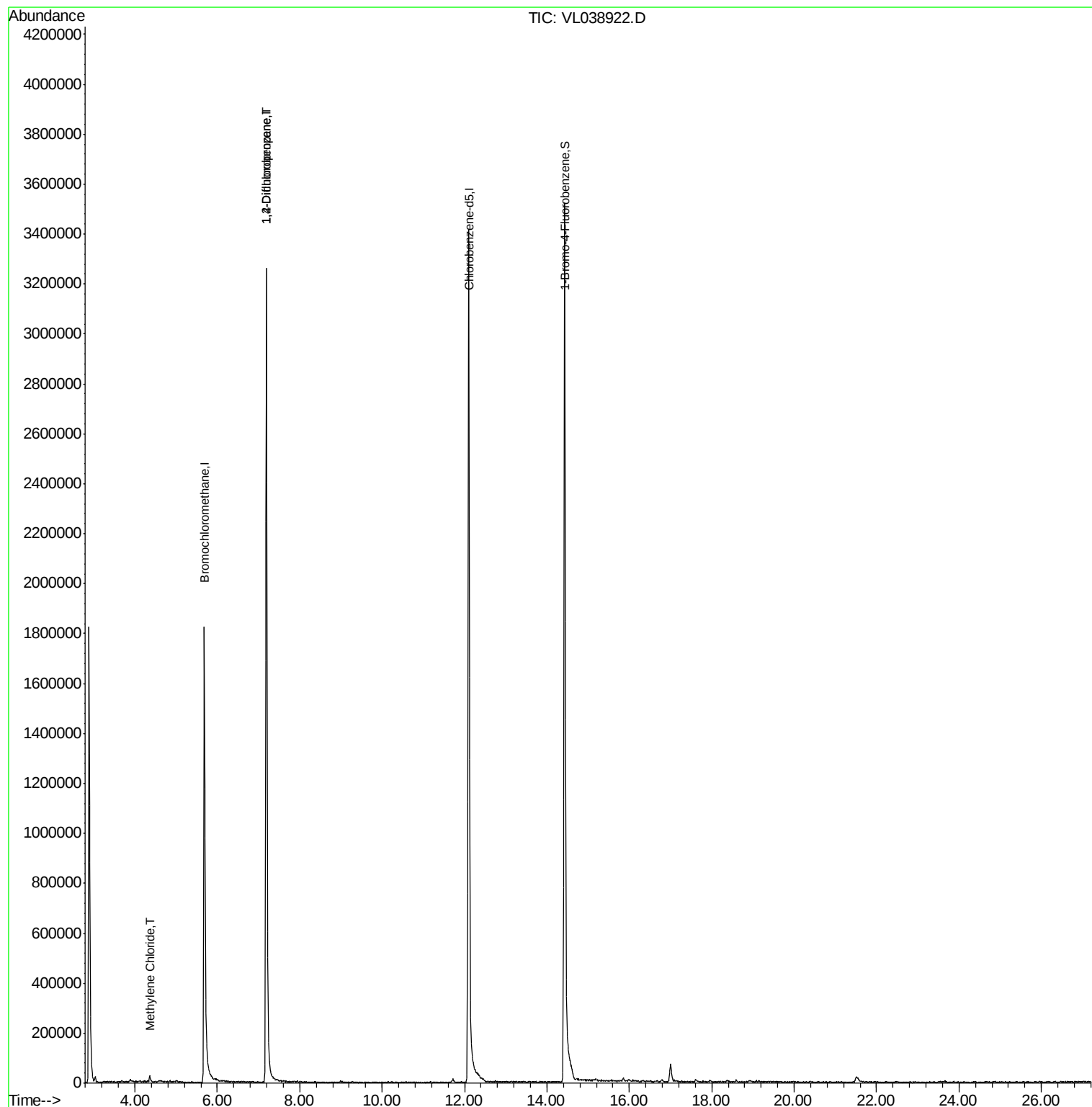
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.36	84	7929	0.204	ppbv #	68
39) 1,2-Dichloropropane	7.19	63	731388	8.098	ppbv #	27

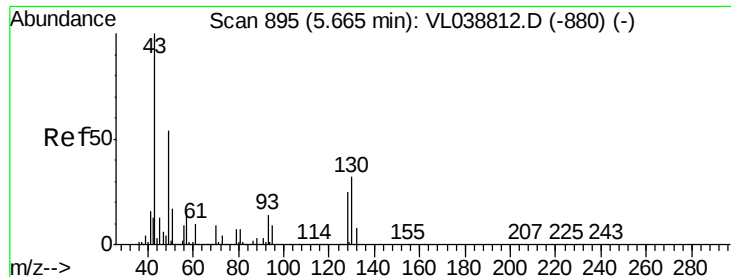
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Apr 2022 17:30

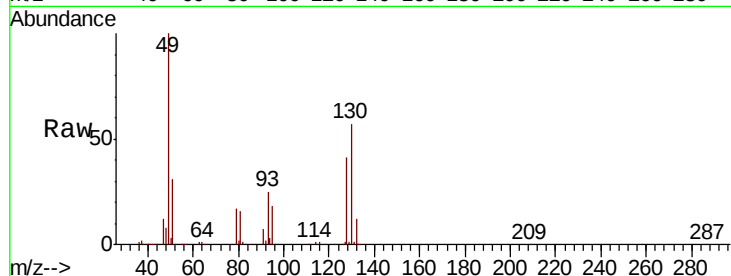
Tot Ion: 49 Resp: 1077644

Ion Ratio Lower Upper

49 100

128 48.1 24.1 72.3

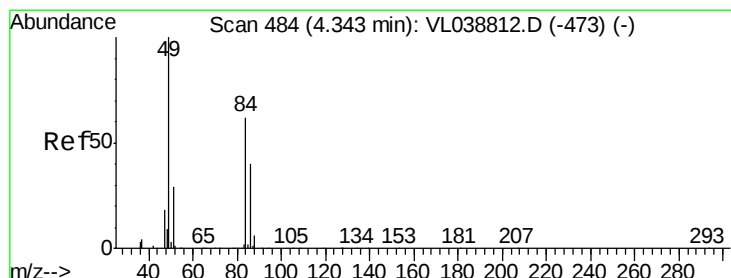
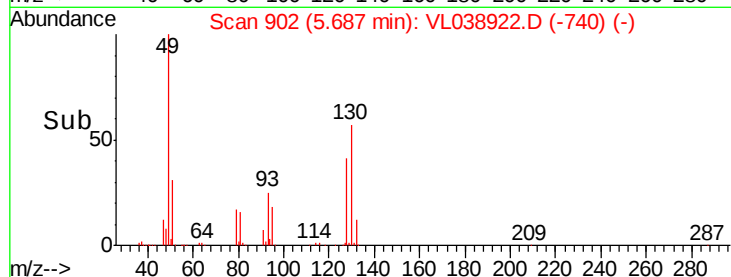
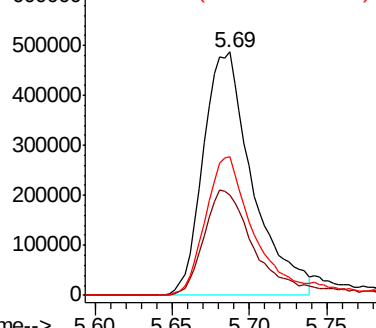
130 60.6 30.9 92.8



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: 0.204 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL038922.D

Acq: 14 Apr 2022 17:30

Tgt Ion: 84 Resp: 7929

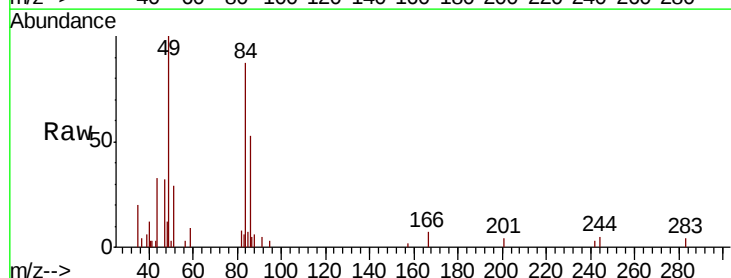
Ion Ratio Lower Upper

84 100

49 102.6 129.4 194.0#

51 28.4 37.4 56.2#

86 60.3 51.4 77.2

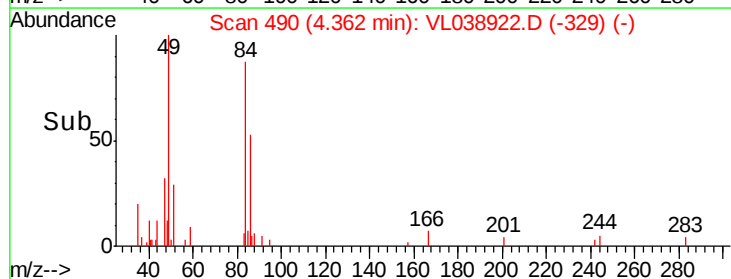
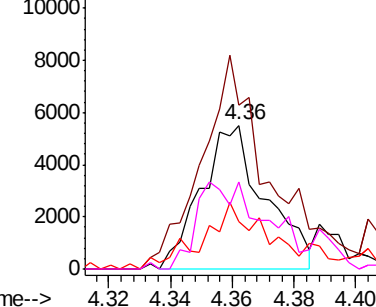


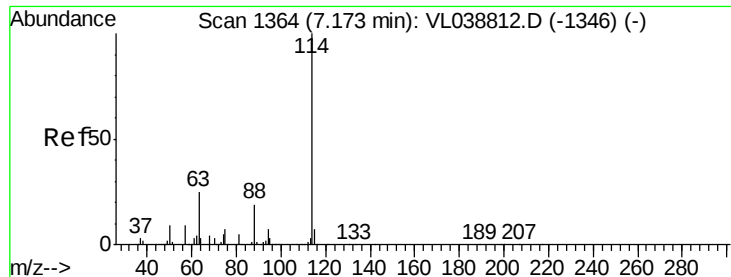
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

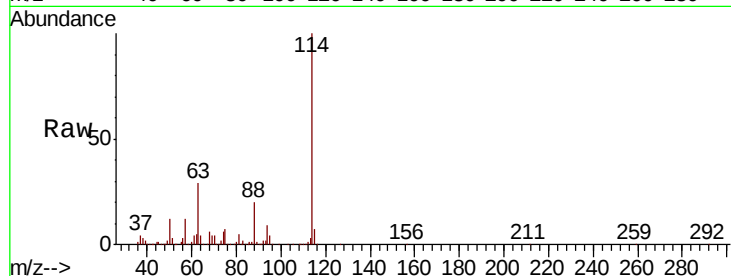




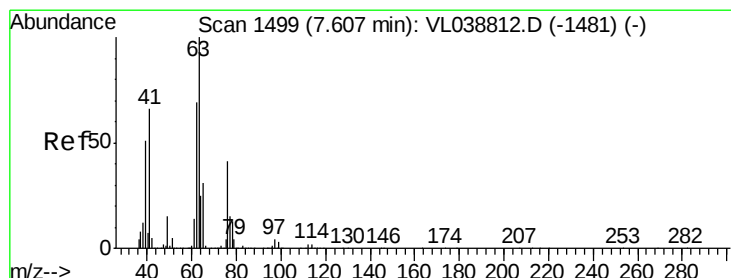
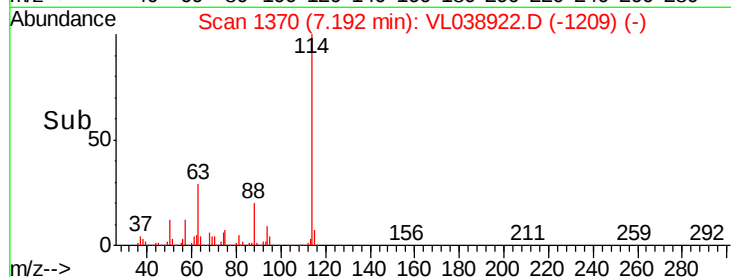
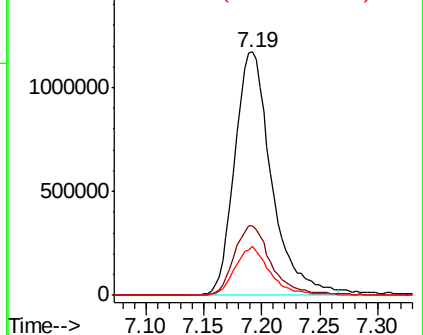
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 OC041322 CAN 10413
 Acq: 14 Apr 2022 17:30

Tot Ion: 114 Resp: 2595519

Ion	Ratio	Lower	Upper
114	100		
63	29.3	19.8	29.8
88	19.4	14.2	21.4



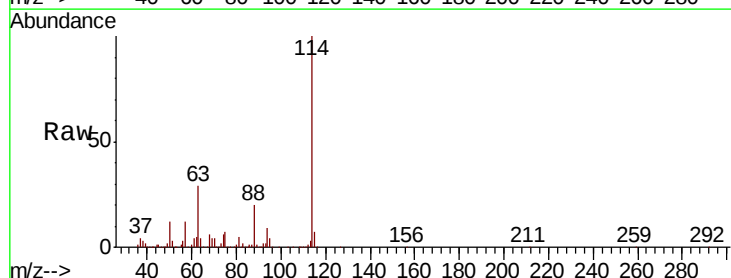
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



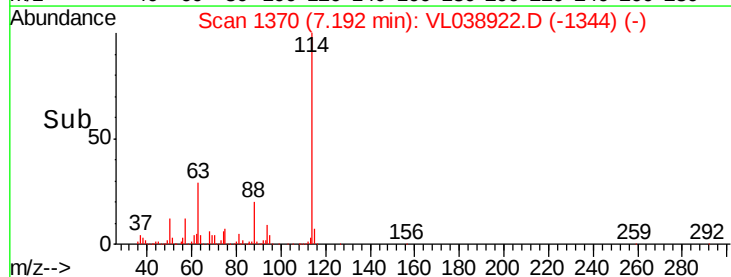
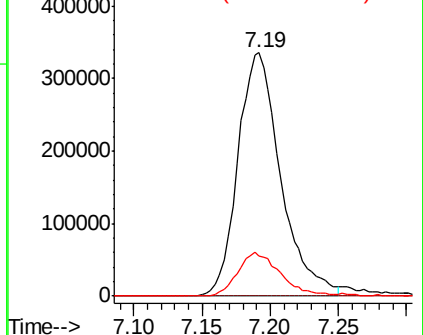
#39
 1,2-Dichloropropane
 Concen: 8.098 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T.: -0.41 min
 Lab File: VL038922.D
 Acq: 14 Apr 2022 17:30

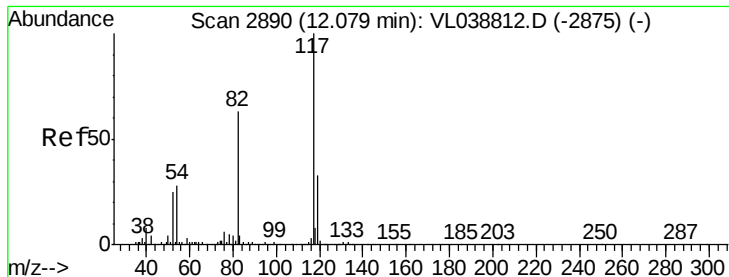
Tgt Ion: 63 Resp: 731388

Ion	Ratio	Lower	Upper
63	100		
41	0.1	53.0	79.6#
62	16.7	55.0	82.4#



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

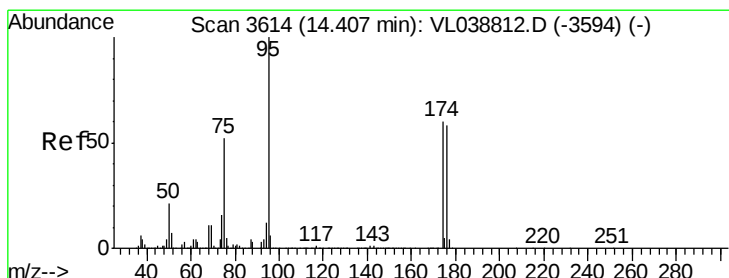
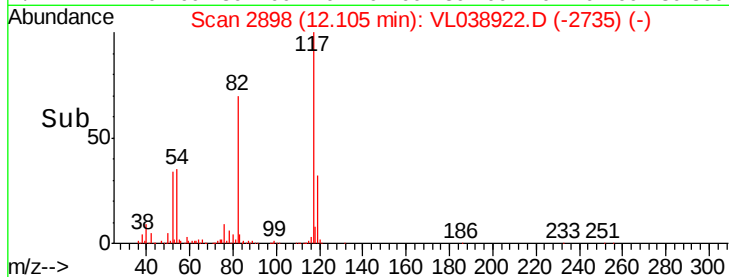
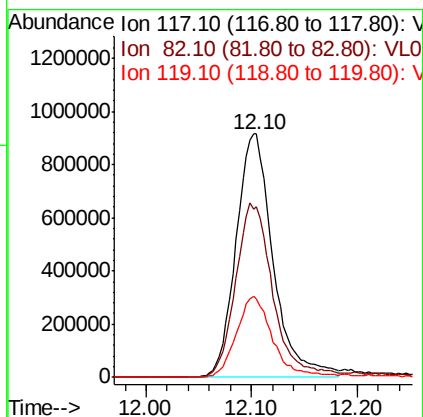
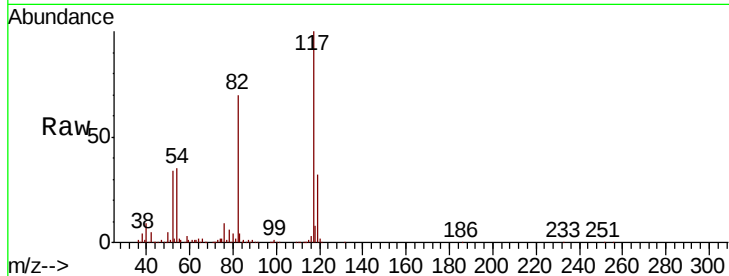




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: QC041322 CAN 10413
 Acq: 14 Apr 2022 17:30

Tot Ion: 117 Resp: 2238786

Ion	Ratio	Lower	Upper
117	100		
82	74.8	53.0	79.6
119	33.6	24.9	37.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.000 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T.: 0.03 min
 Lab File: VL038922.D
 Acq: 14 Apr 2022 17:30

Tgt Ion: 95 Resp: 1867990

Ion	Ratio	Lower	Upper
95	100		
174	62.8	52.0	78.0
175	4.3	4.0	6.0

