

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
 Data File : VL039085.D
 Acq On : 23 May 2022 13:17
 Operator : SY/AP
 Sample : VL0523ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABL02

Quant Time: May 24 05:56:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	936482	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2328158	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1925417	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1574701	10.33	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

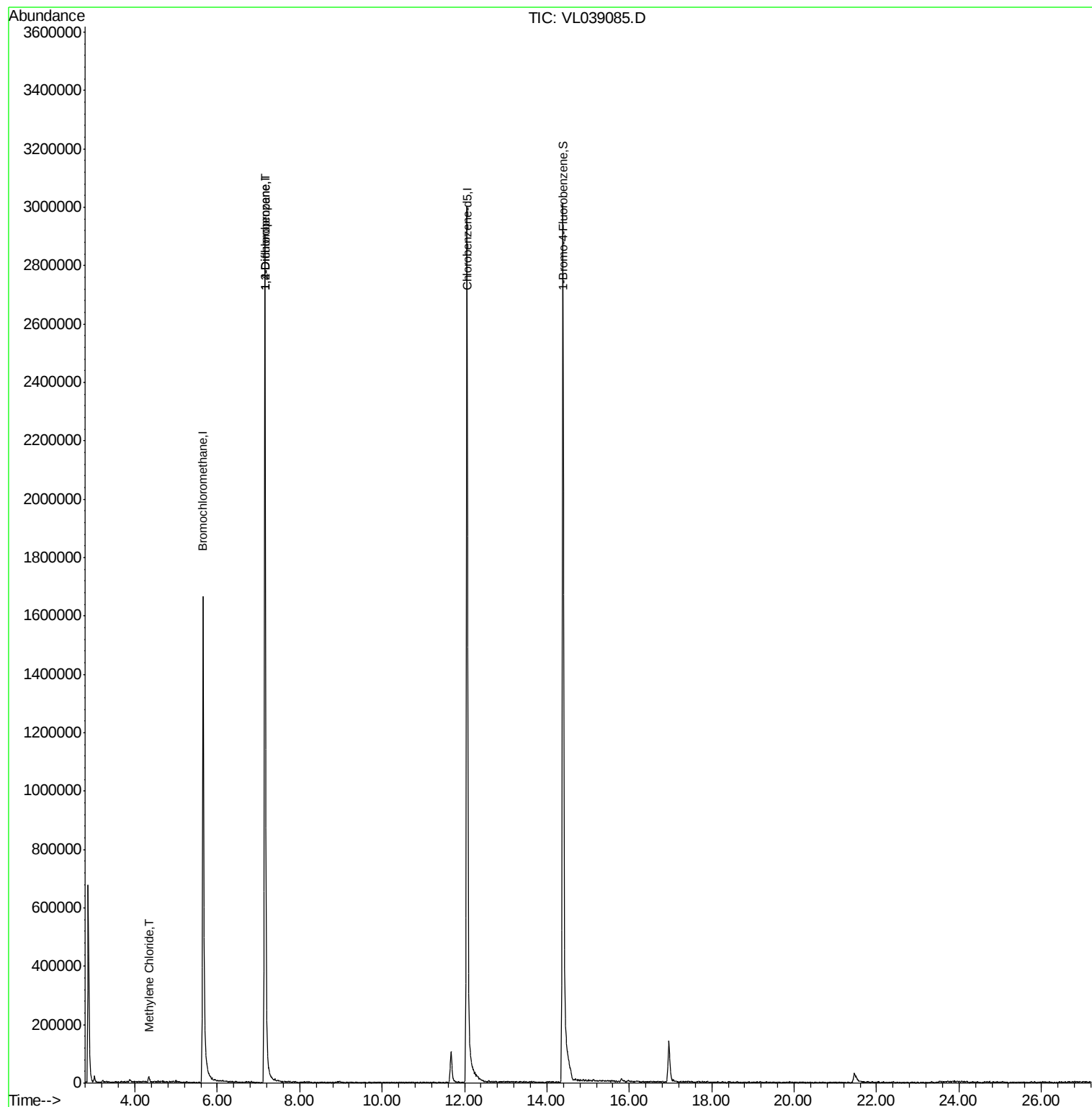
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.33	84	2011	0.060	ppbv #	61
39) 1,2-Dichloropropane	7.15	63	635008	8.191	ppbv #	27

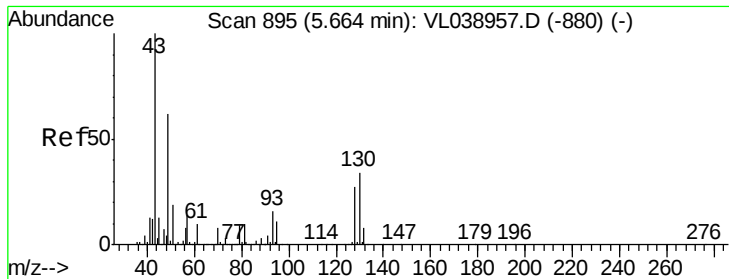
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VL0523ABL02

Acq: 23 May 2022 13:17

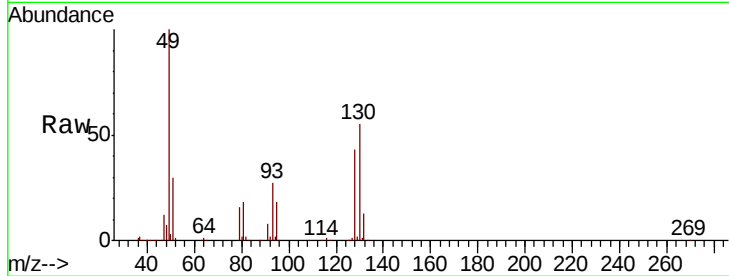
Tot Ion: 49 Resp: 936482

Ion Ratio Lower Upper

49 100

128 49.9 23.3 69.8

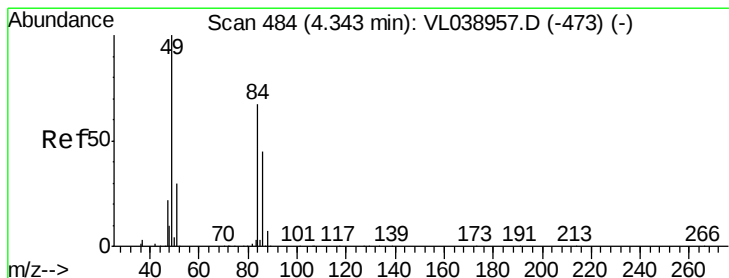
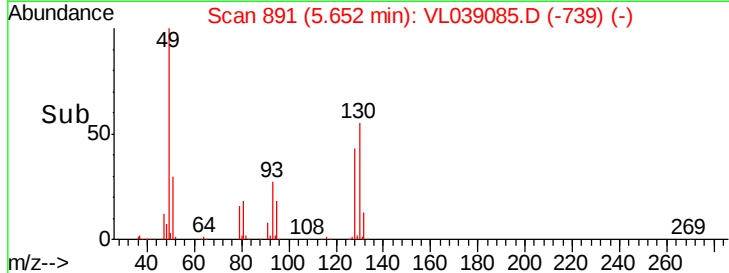
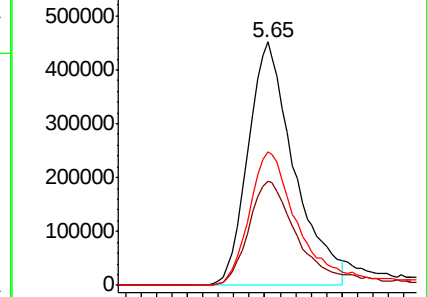
130 62.1 29.8 89.3



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



#20

Methylene Chloride

Concen: 0.060 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL039085.D

Acq: 23 May 2022 13:17

Tgt Ion: 84 Resp: 2011

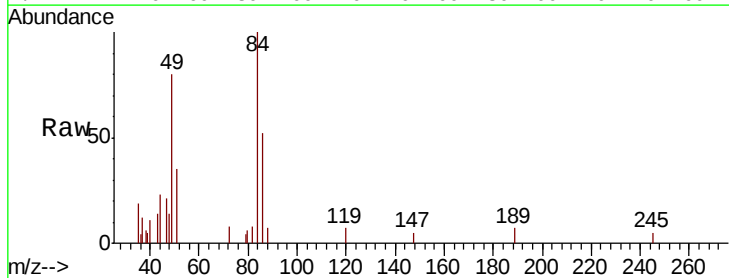
Ion Ratio Lower Upper

84 100

49 80.3 119.9 179.9#

51 35.3 35.7 53.5#

86 52.0 53.8 80.6#

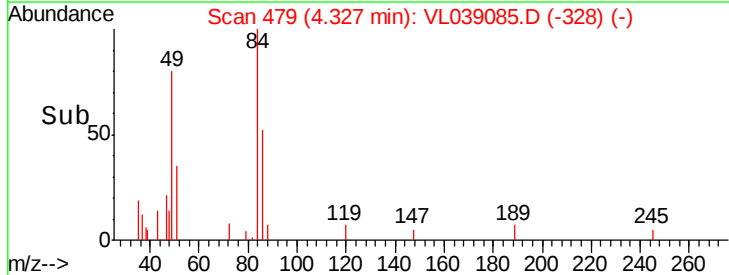
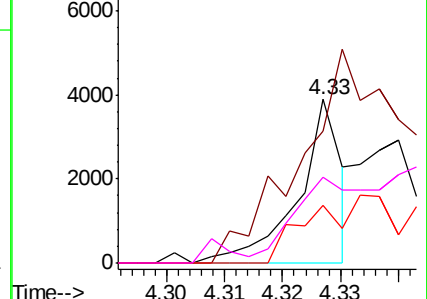


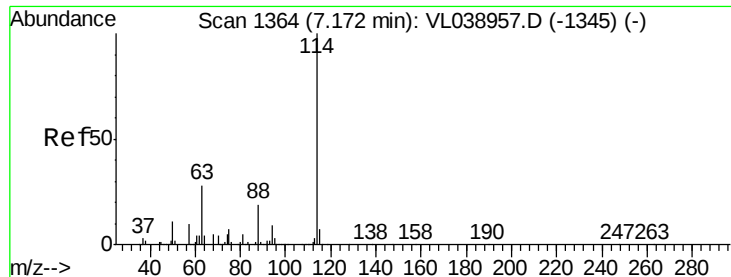
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

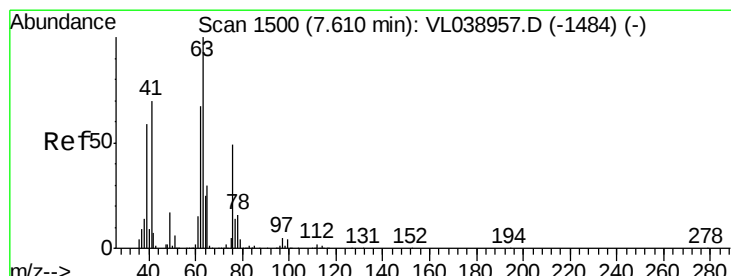
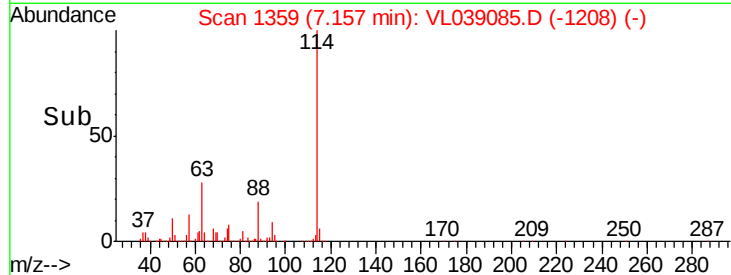
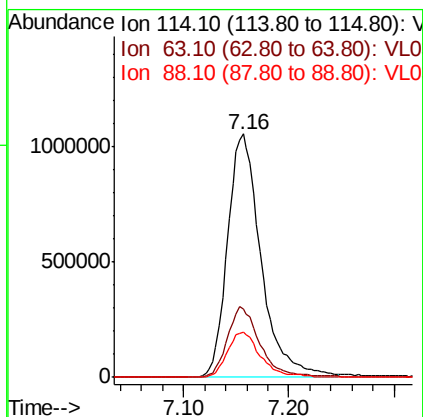
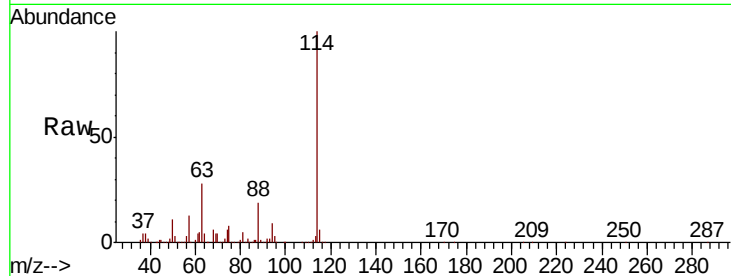
Ion 86.00 (85.70 to 86.70): VL0





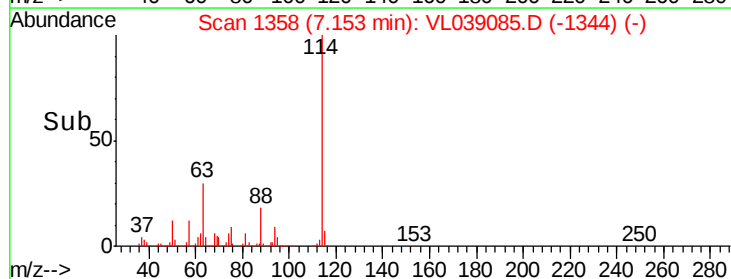
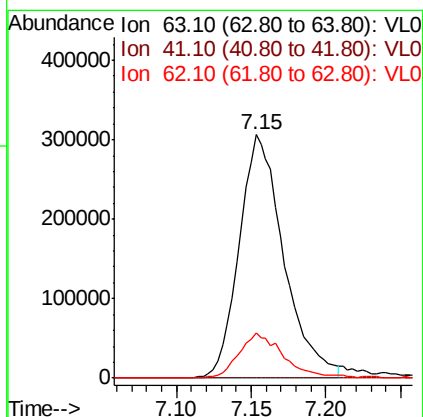
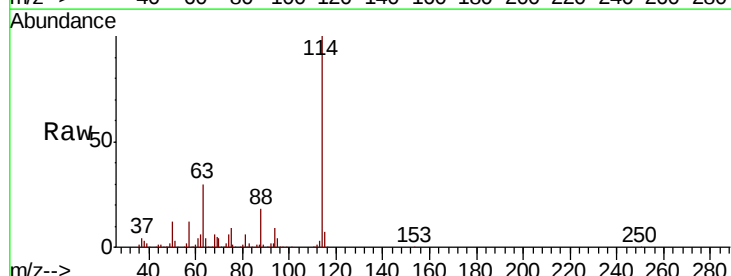
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0523ABL02
 Acq: 23 May 2022 13:17

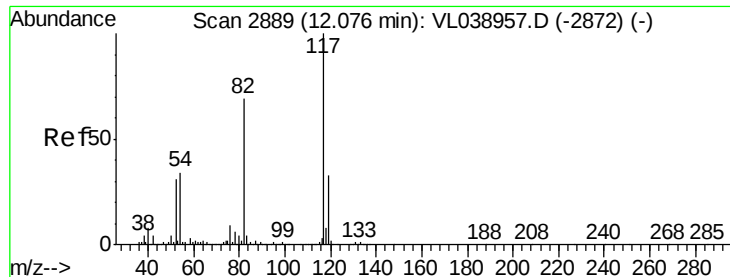
Tot Ion:	114	Resp:	2328158
Ion	Ratio	Lower	Upper
114	100		
63	28.8	22.6	33.8
88	18.9	15.4	23.0



#39
 1,2-Dichloropropane
 Concen: 8.191 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.46 min
 Lab File: VL039085.D
 Acq: 23 May 2022 13:17

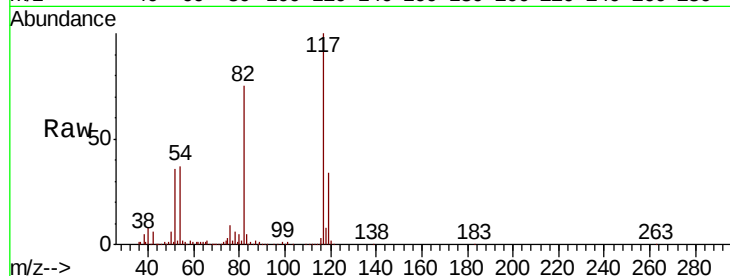
Tgt Ion:	63	Resp:	635008
Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	18.8	53.8	80.6#



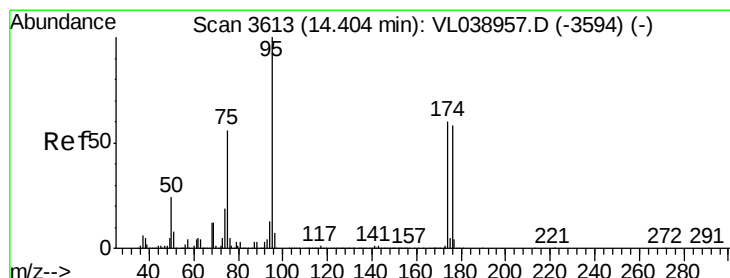
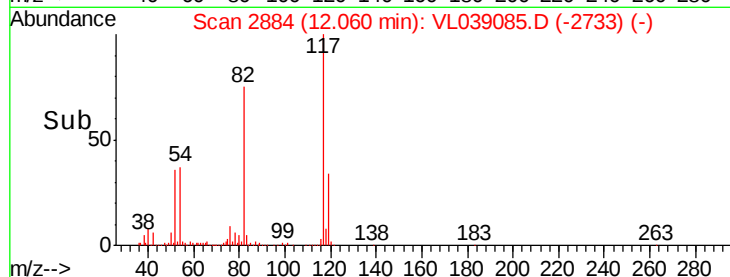
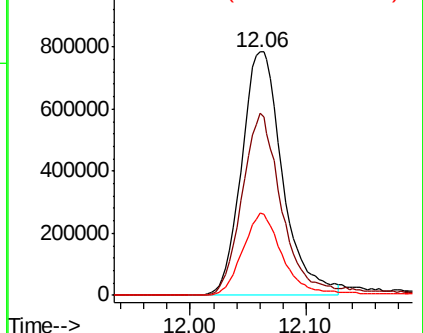


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0523ABL02
Acq: 23 May 2022 13:17

Tot Ion:117 Resp: 1925417
Ion Ratio Lower Upper
117 100
82 76.8 57.0 85.6
119 34.1 27.2 40.8

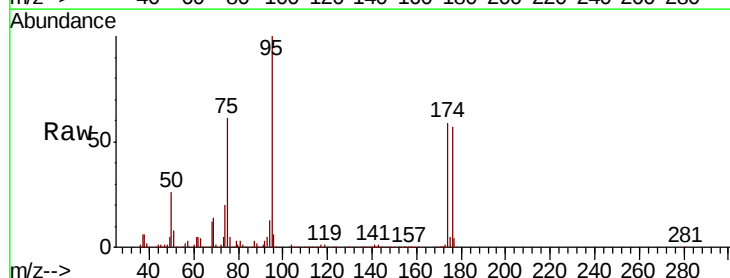


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.327 ppbv
RT: 14.39 min Scan# 3609
Delta R.T.: -0.01 min
Lab File: VL039085.D
Acq: 23 May 2022 13:17

Tgt Ion: 95 Resp: 1574701
Ion Ratio Lower Upper
95 100
174 64.1 50.8 76.2
175 4.8 3.8 5.6



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

