

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052322\
 Data File : VL039084.D
 Acq On : 23 May 2022 12:39
 Operator : SY/AP
 Sample : VL0523ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABL01

Quant Time: May 24 05:56:24 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	1044014	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2511994	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2119422	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1702408	10.14	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

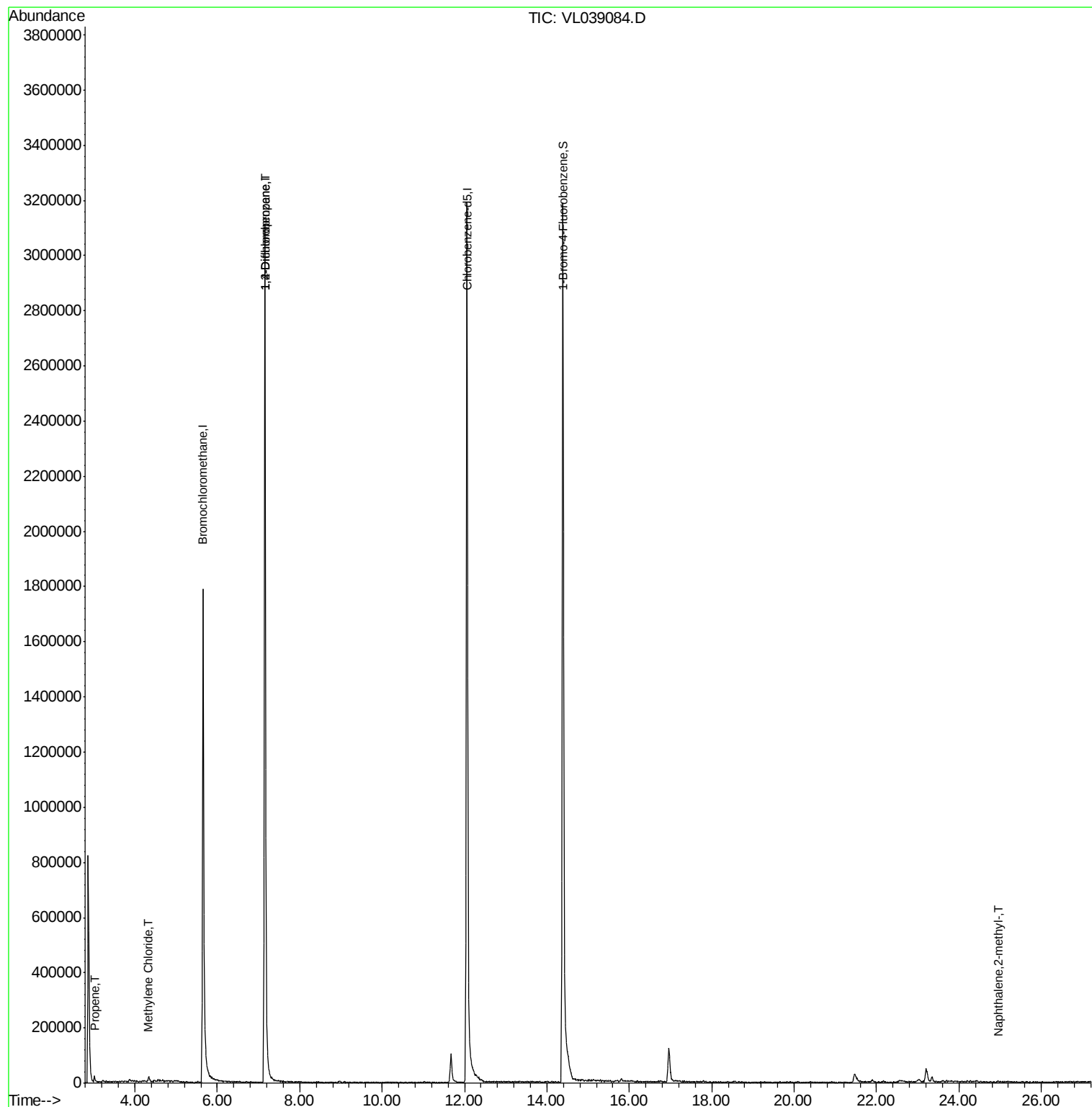
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4315	0.076	ppbv	87
20) Methylene Chloride	4.33	84	2768	0.075	ppbv #	86
39) 1,2-Dichloropropane	7.16	63	686535	8.208	ppbv #	26
80) Naphthalene,2-methyl-	24.95	142	2940	0.043	ppbv #	61

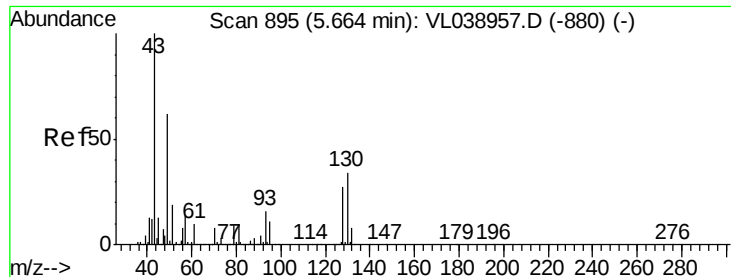
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0523ABL01

Acq: 23 May 2022 12:39

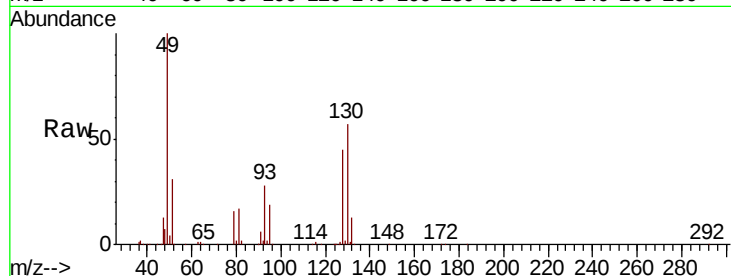
Tot Ion: 49 Resp: 1044014

Ion Ratio Lower Upper

49 100

128 48.5 23.3 69.8

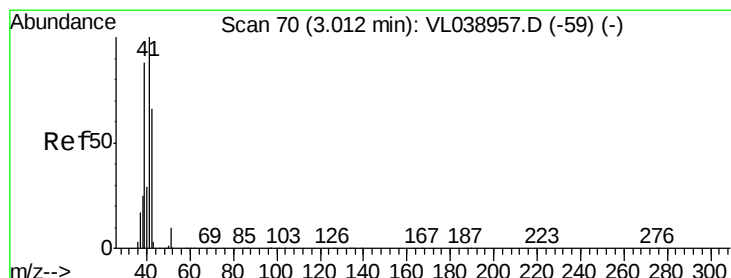
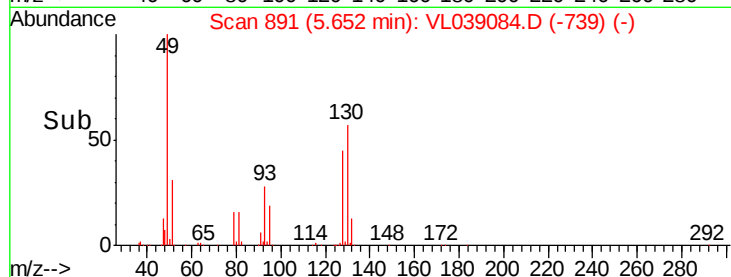
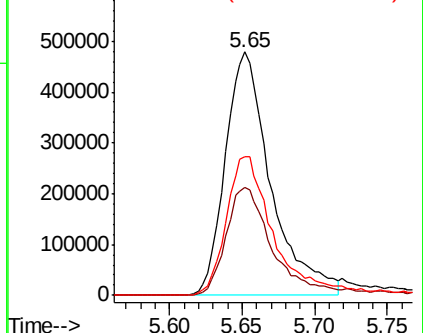
130 62.0 29.8 89.3



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



#9

Propene

Concen: 0.076 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL039084.D

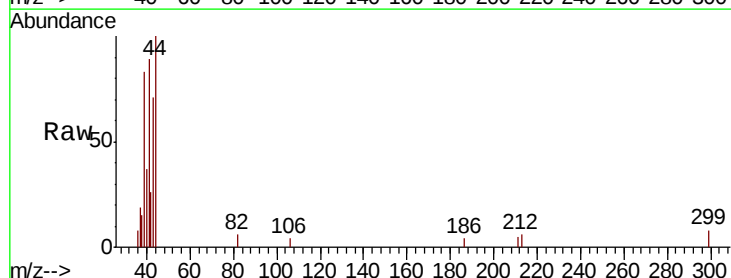
Acq: 23 May 2022 12:39

Tgt Ion: 41 Resp: 4315

Ion Ratio Lower Upper

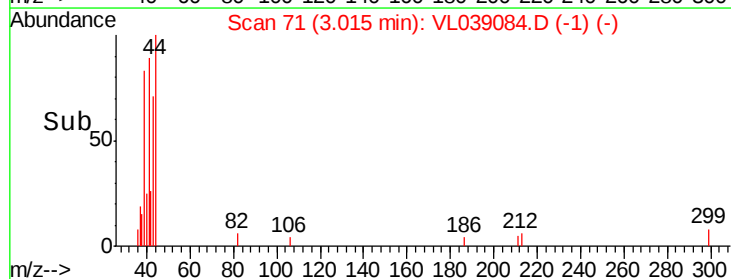
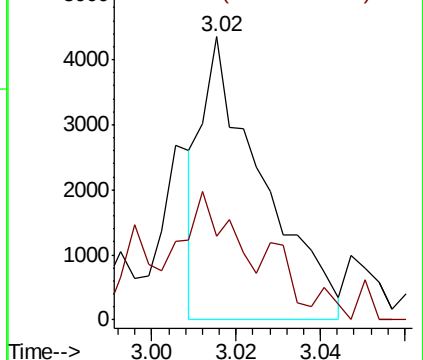
41 100

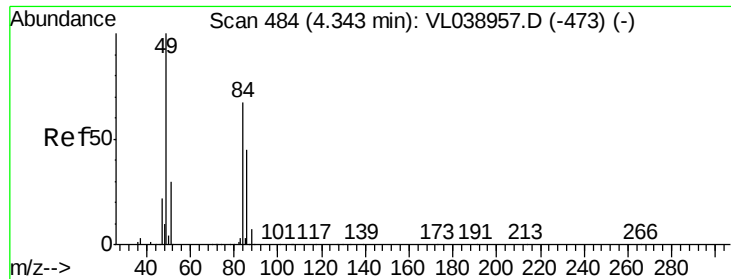
42 83.8 58.3 87.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

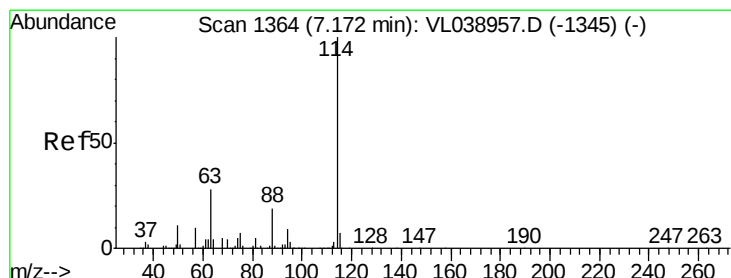
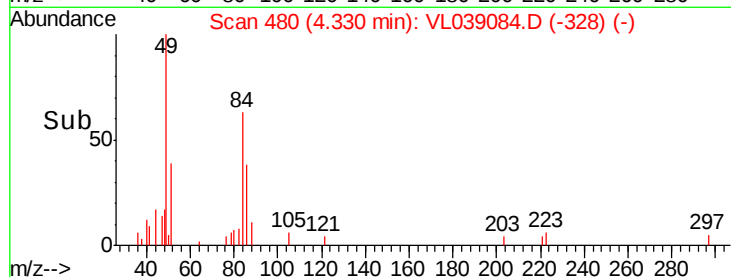
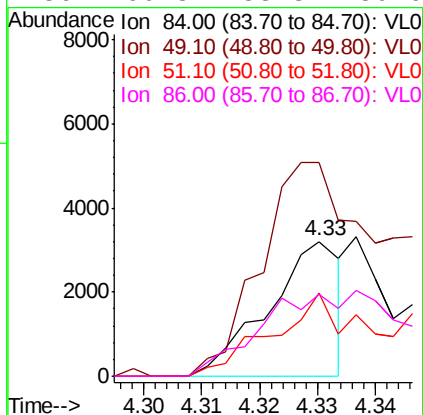
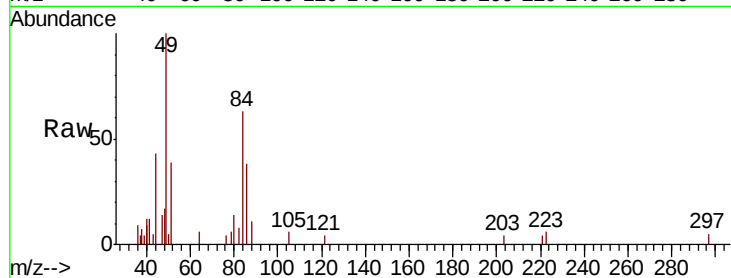
Ion 42.10 (41.80 to 42.80): VL0





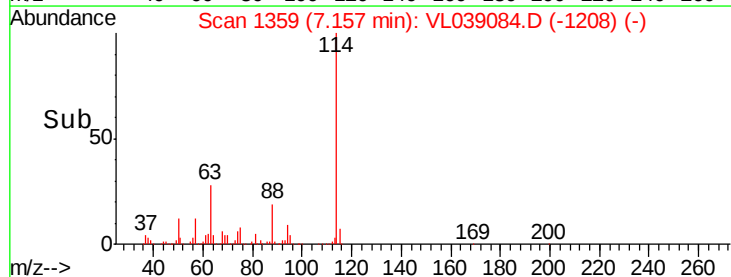
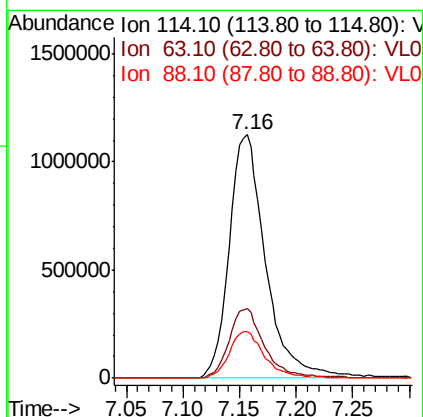
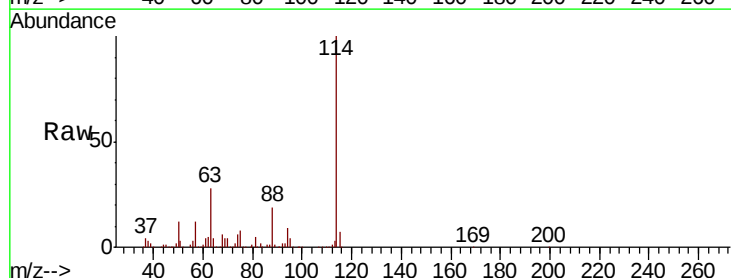
#20
Methvlene Chloride
Concen: 0.075 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0523ABL01
Acq: 23 May 2022 12:39

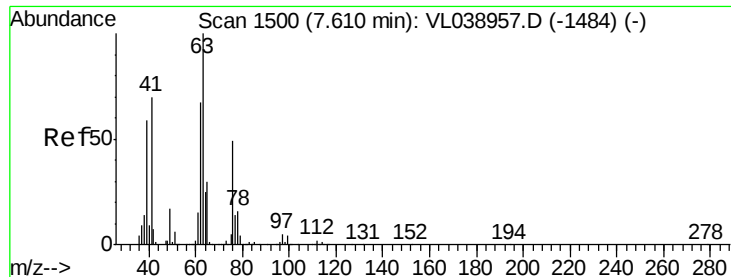
Tot Ion:	84	Resp:	2768
Ion	Ratio	Lower	Upper
84	100		
49	166.9	119.9	179.9
51	61.5	35.7	53.5#
86	60.3	53.8	80.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL039084.D
Acq: 23 May 2022 12:39

Tgt Ion:	114	Resp:	2511994
Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.6	33.8
88	19.2	15.4	23.0





#39

1,2-Dichloropropane

Concen: 8.208 ppbv

RT: 7.16 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0523ABL01

Acq: 23 May 2022 12:39

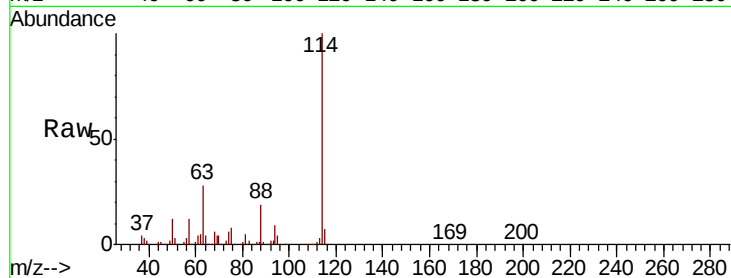
Tot Ion: 63 Resp: 686535

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

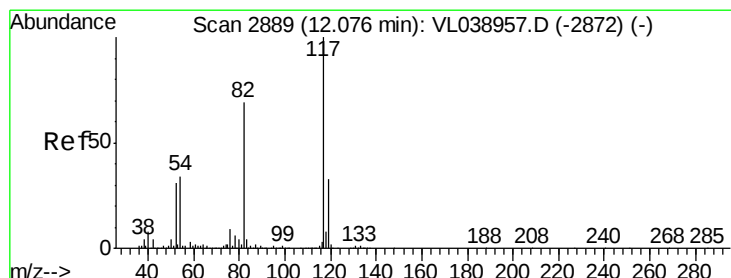
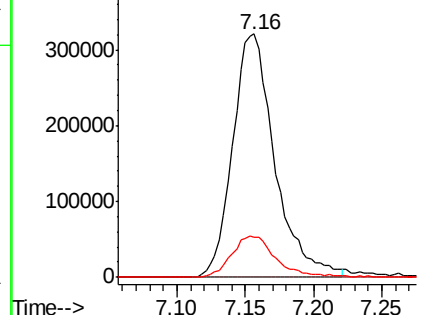
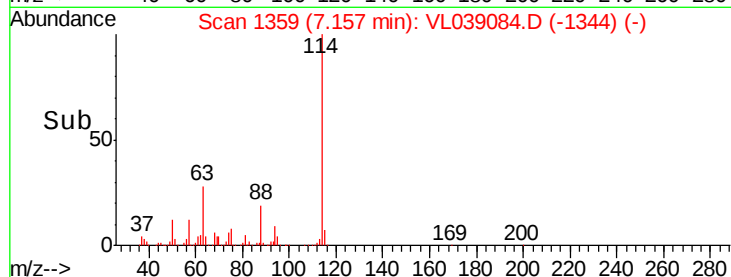
62 16.5 53.8 80.6#



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: 12.06 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL039084.D

Acq: 23 May 2022 12:39

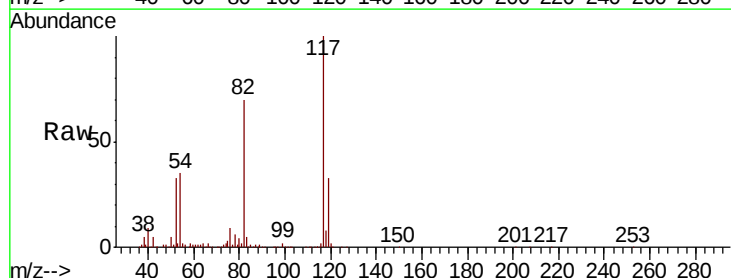
Tgt Ion: 117 Resp: 2119422

Ion Ratio Lower Upper

117 100

82 75.4 57.0 85.6

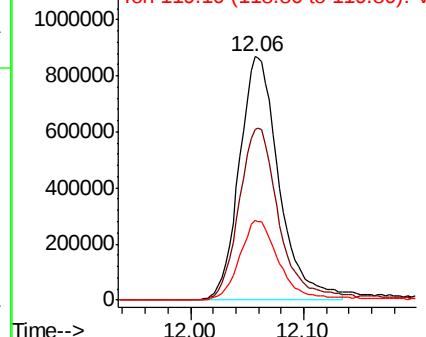
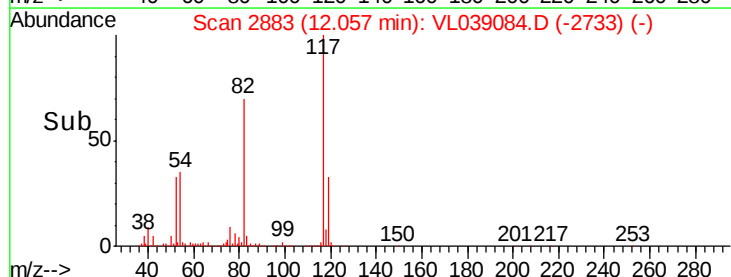
119 33.6 27.2 40.8

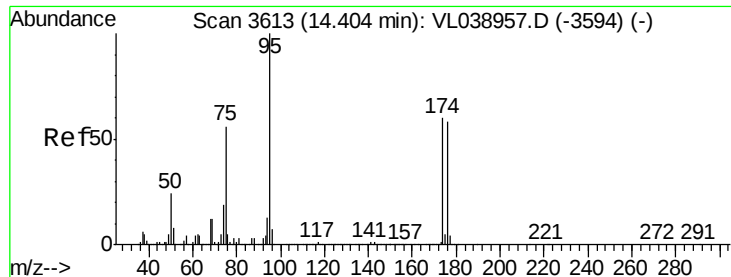


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

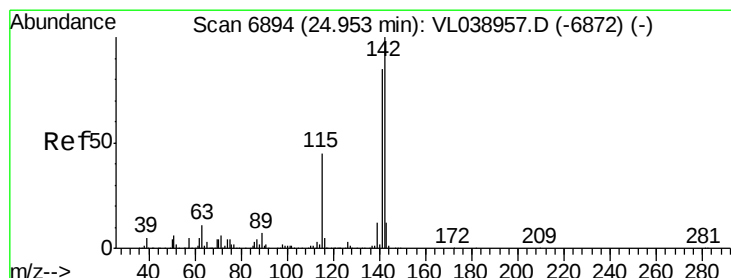
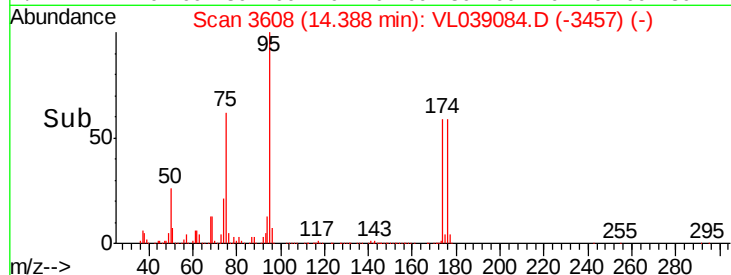
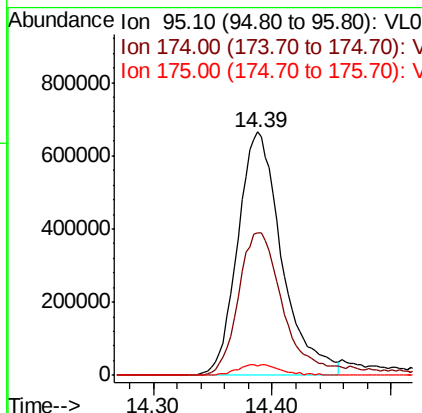
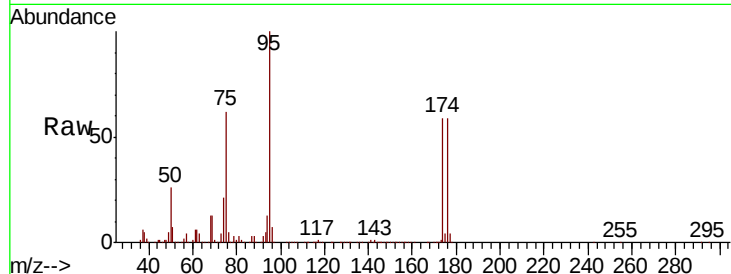
Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.143 ppbv
 RT: 14.39 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VL0523ABL01
 Acq: 23 May 2022 12:39

Tot Ion: 95 Resp: 1702408
 Ion Ratio Lower Upper
 95 100
 174 64.5 50.8 76.2
 175 4.7 3.8 5.6



#80
 Naphthalene, 2-methyl-
 Concen: 0.043 ppbv
 RT: 24.95 min Scan# 6892
 Delta R.T.: -0.01 min
 Lab File: VL039084.D
 Acq: 23 May 2022 12:39

Tgt Ion: 142 Resp: 2940
 Ion Ratio Lower Upper
 142 100
 141 65.9 70.8 106.2#
 115 0.0 35.1 52.7#

