

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037034.D
 Acq On : 20 May 2021 21:42
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: May 21 01:19:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1238631	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3578193	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	3098714	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2252096	9.67	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

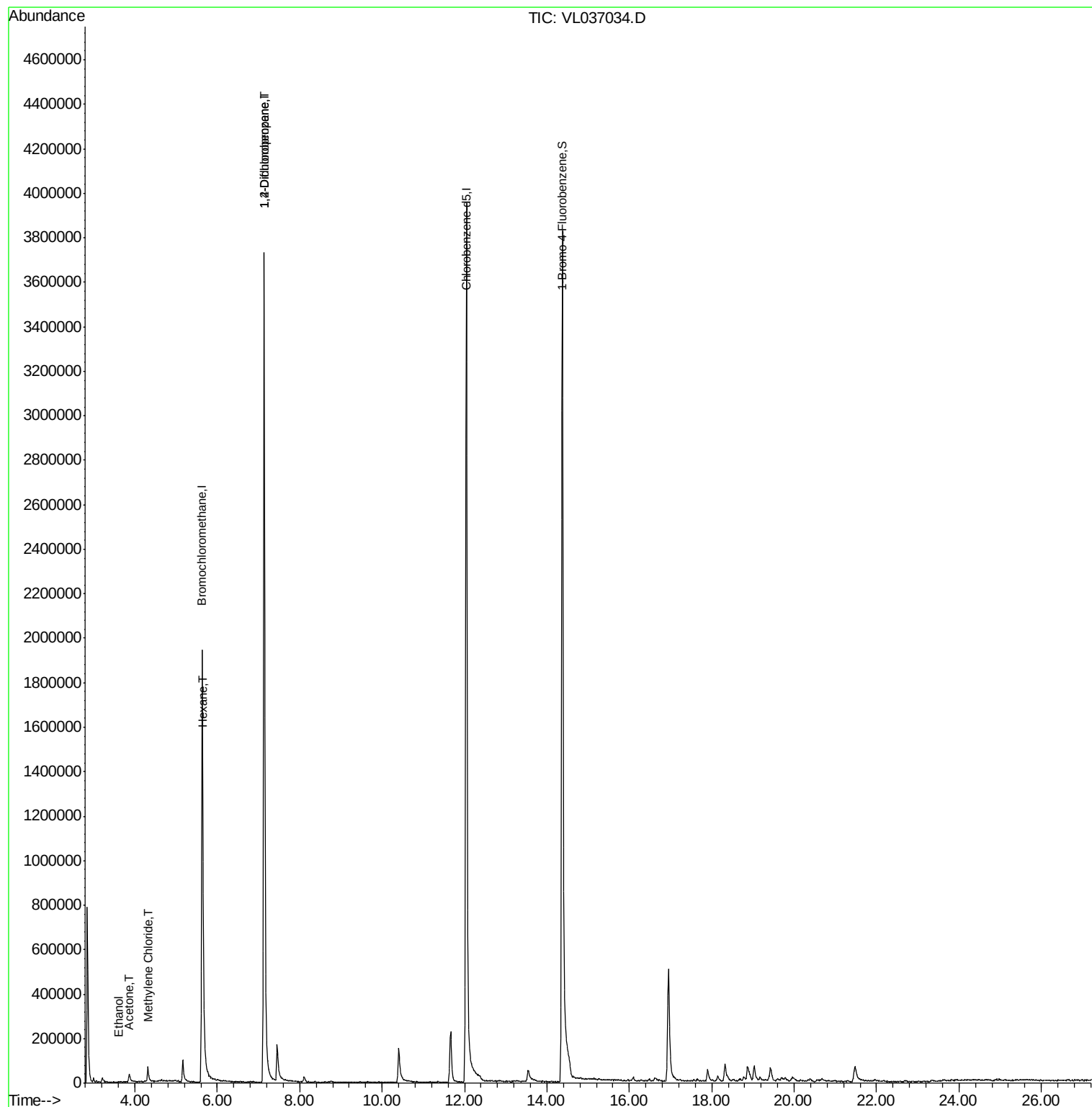
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	631	0.058	ppbv #	47
15) Acetone	3.85	43	34369	0.271	ppbv #	1
20) Methylene Chloride	4.31	84	25108	0.369	ppbv	91
26) Hexane	5.65	57	6360	0.041	ppbv #	38
39) 1,2-Dichloropropane	7.14	63	838364	7.061	ppbv #	24

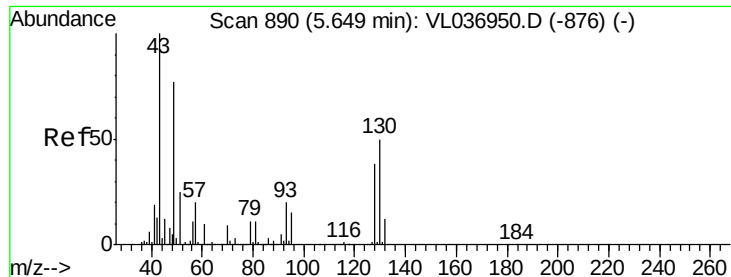
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.02 min

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ClientSampleId :

VIBLK

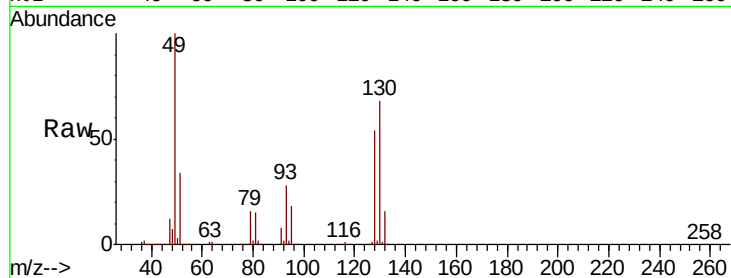
Tot Ion: 49 Resp: 1238631

Ion Ratio Lower Upper

49 100

128 54.4 26.9 80.7

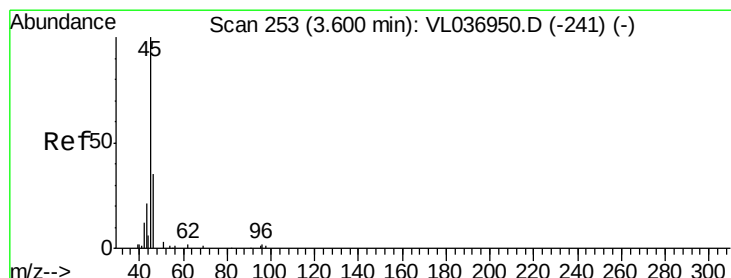
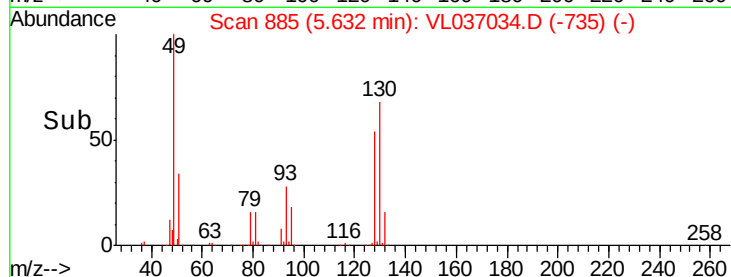
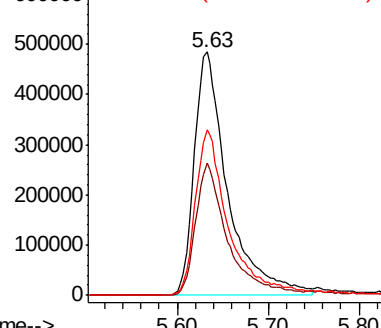
130 69.1 33.8 101.4



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



#13

Ethanol

Concen: 0.058 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037034.D

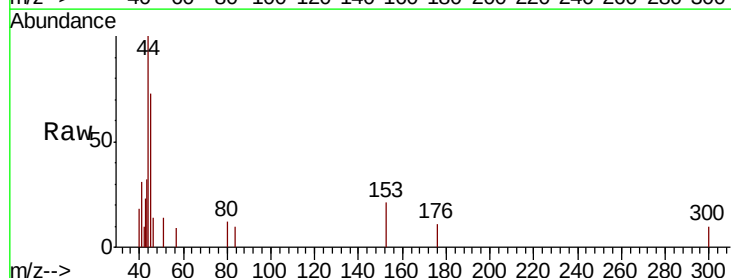
Acq: 20 May 2021 21:42

Tgt Ion: 45 Resp: 631

Ion Ratio Lower Upper

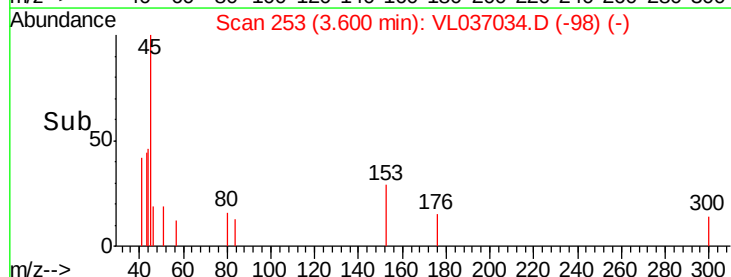
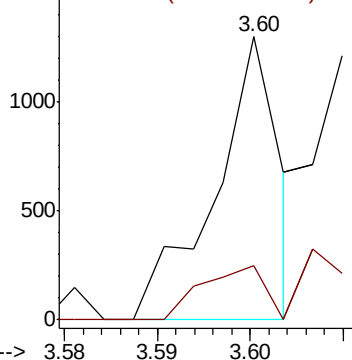
45 100

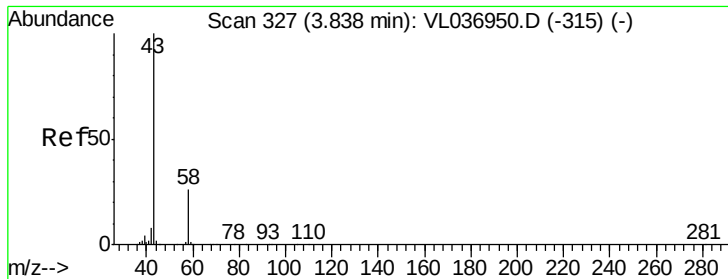
46 7.8 16.3 65.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.271 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL037034.D

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Instrument :

MSVOA_L

ClientSampleId :

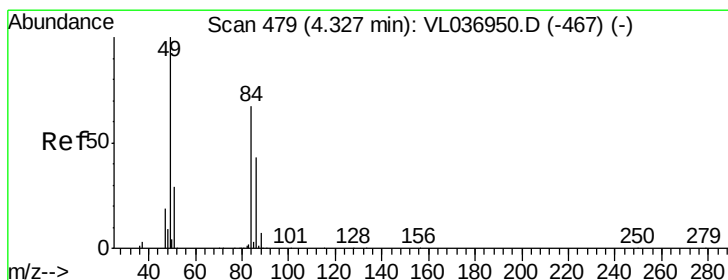
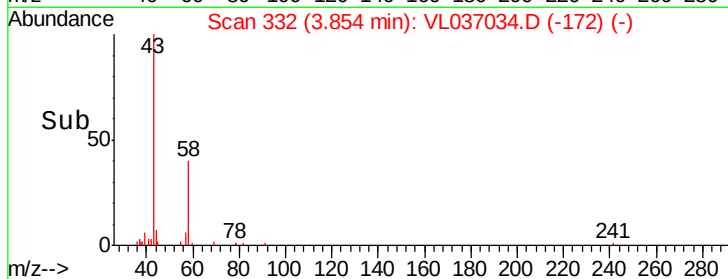
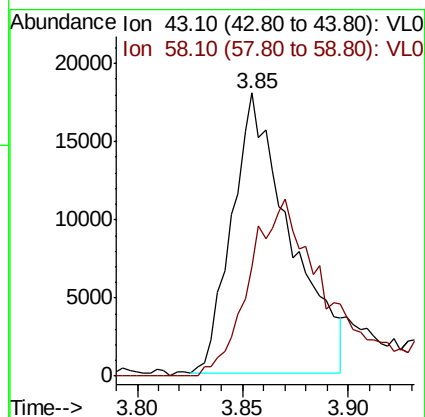
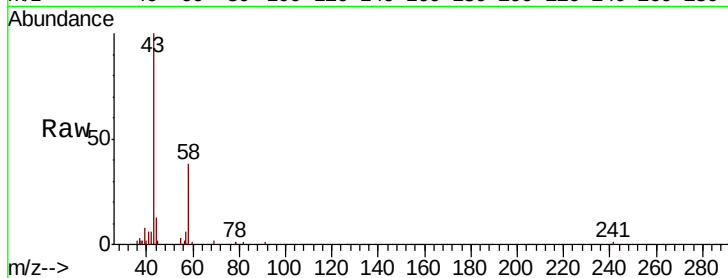
VIBLK

Tot Ion: 43 Resp: 34369

Ion Ratio Lower Upper

43 100

58 90.2 24.0 36.0#



#20

Methylene Chloride

Concen: 0.369 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL037034.D

Acq: 20 May 2021 21:42

Tgt Ion: 84 Resp: 25108

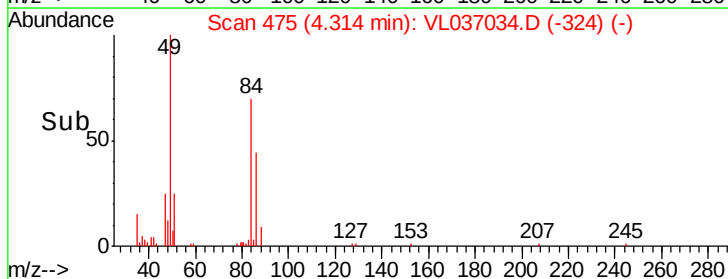
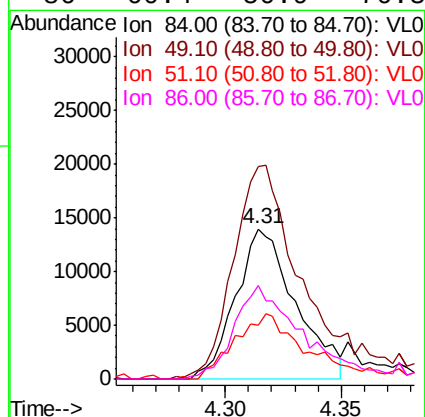
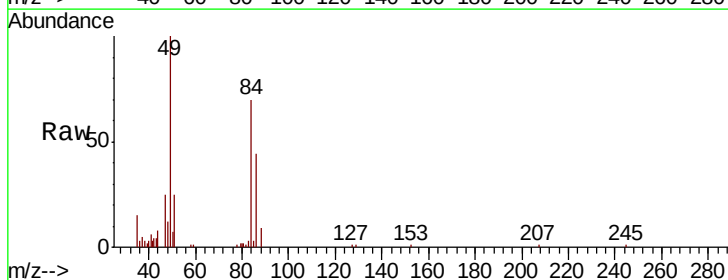
Ion Ratio Lower Upper

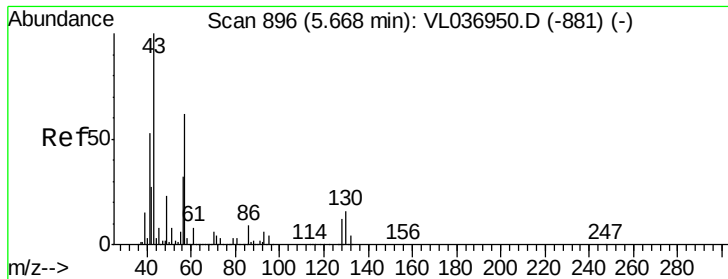
84 100

49 138.1 119.8 179.6

51 35.7 35.1 52.7

86 60.4 50.9 76.3





#26

Hexane

Concen: 0.041 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037034.D

Acq: 20 May 2021 21:42

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 57 Resp: 6360

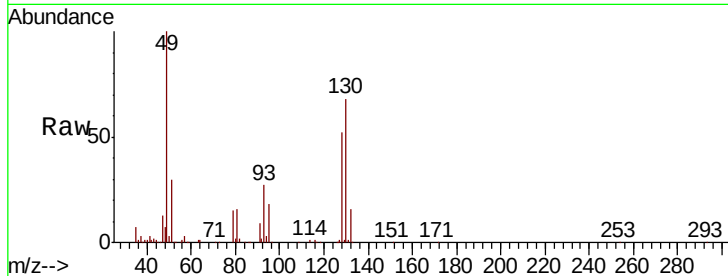
Ion Ratio Lower Upper

57 100

41 190.8 70.5 105.7#

43 141.1 165.8 248.8#

56 94.2 42.2 63.4#

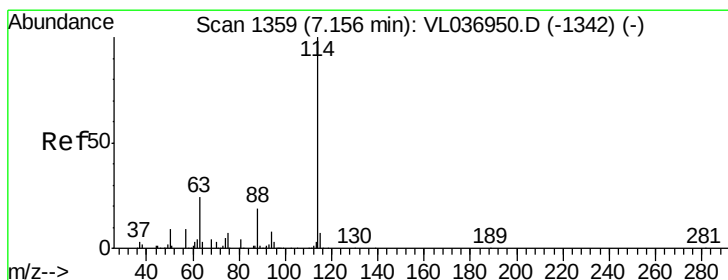
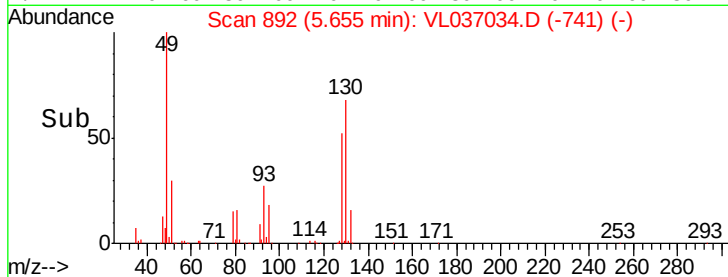
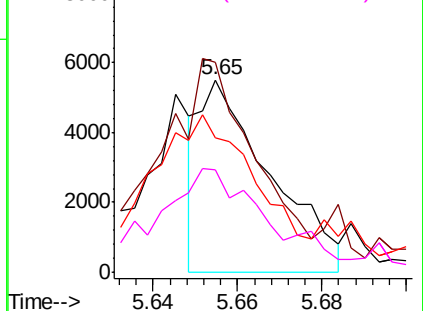


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.02 min

Lab File: VL037034.D

Acq: 20 May 2021 21:42

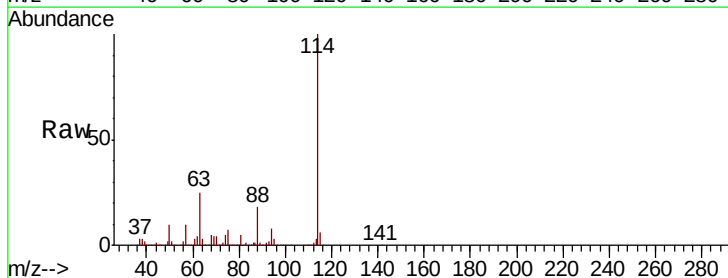
Tgt Ion: 114 Resp: 3578193

Ion Ratio Lower Upper

114 100

63 24.0 19.6 29.4

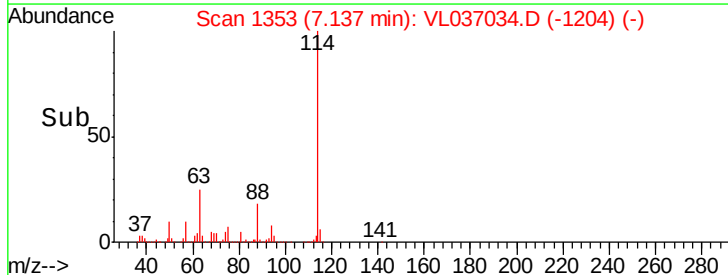
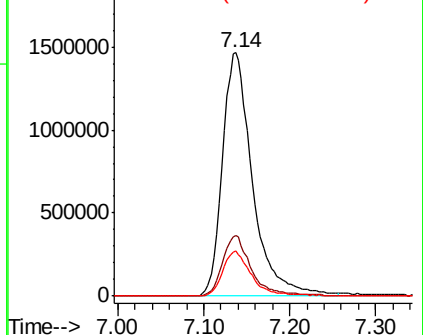
88 17.9 14.6 21.8

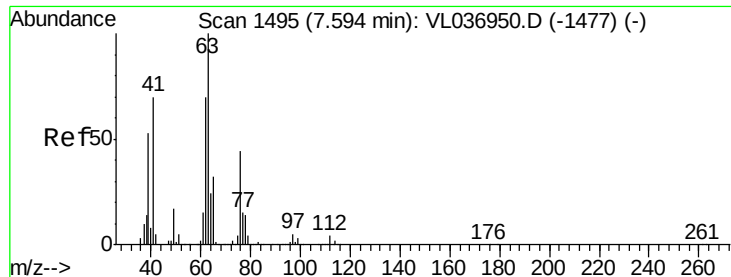


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.061 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.46 min

Lab File: VL037034.D

Acq: 20 May 2021 21:42

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

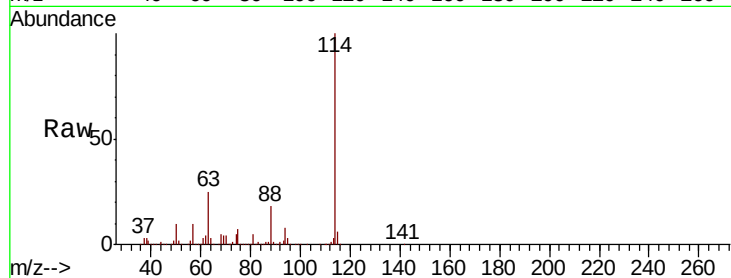
Tot Ion: 63 Resp: 838364

Ion Ratio Lower Upper

63 100

41 0.0 55.7 83.5#

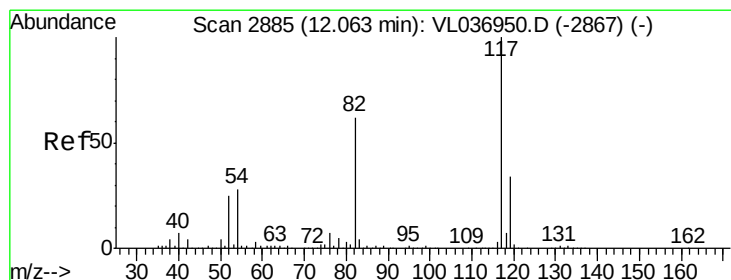
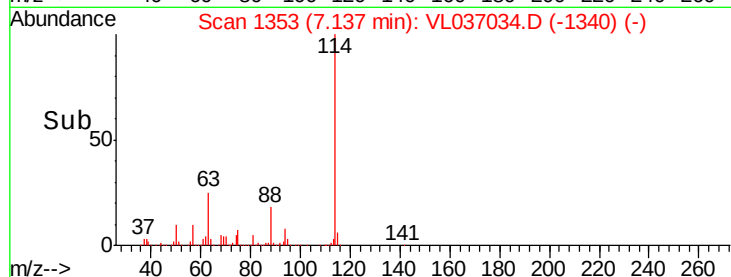
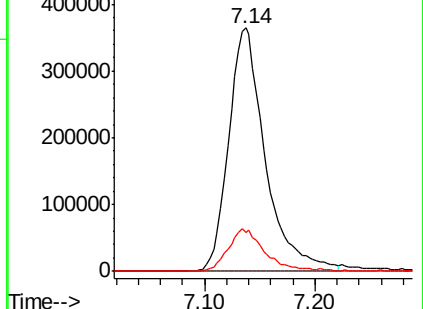
62 15.7 56.2 84.4#



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: 12.04 min Scan# 2879

Delta R.T. -0.02 min

Lab File: VL037034.D

Acq: 20 May 2021 21:42

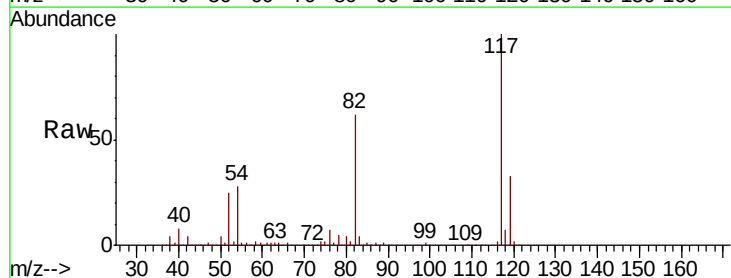
Tgt Ion: 117 Resp: 3098714

Ion Ratio Lower Upper

117 100

82 64.7 52.6 79.0

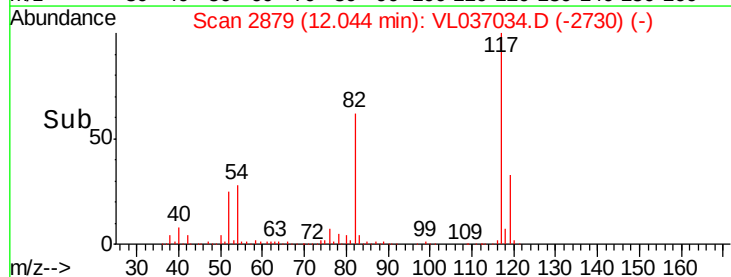
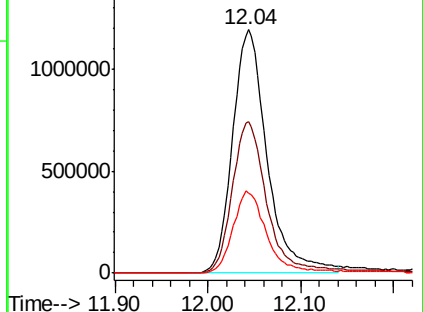
119 34.2 46.6 70.0#

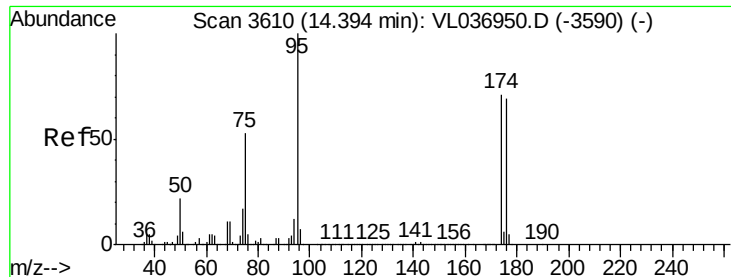


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.675 ppbv
 RT: 14.37 min Scan# 3604
 Delta R.T. -0.02 min
 Lab File: VL037034.D
 Acq: 20 May 2021 21:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion: 95 Resp: 2252096
 Ion Ratio Lower Upper
 95 100
 174 76.4 58.4 87.6
 175 5.5 4.4 6.6

