

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036773.D
 Acq On : 9 Apr 2021 14:05
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 10 01:59:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1371924	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3195797	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2529579	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1565870	7.77	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.70%

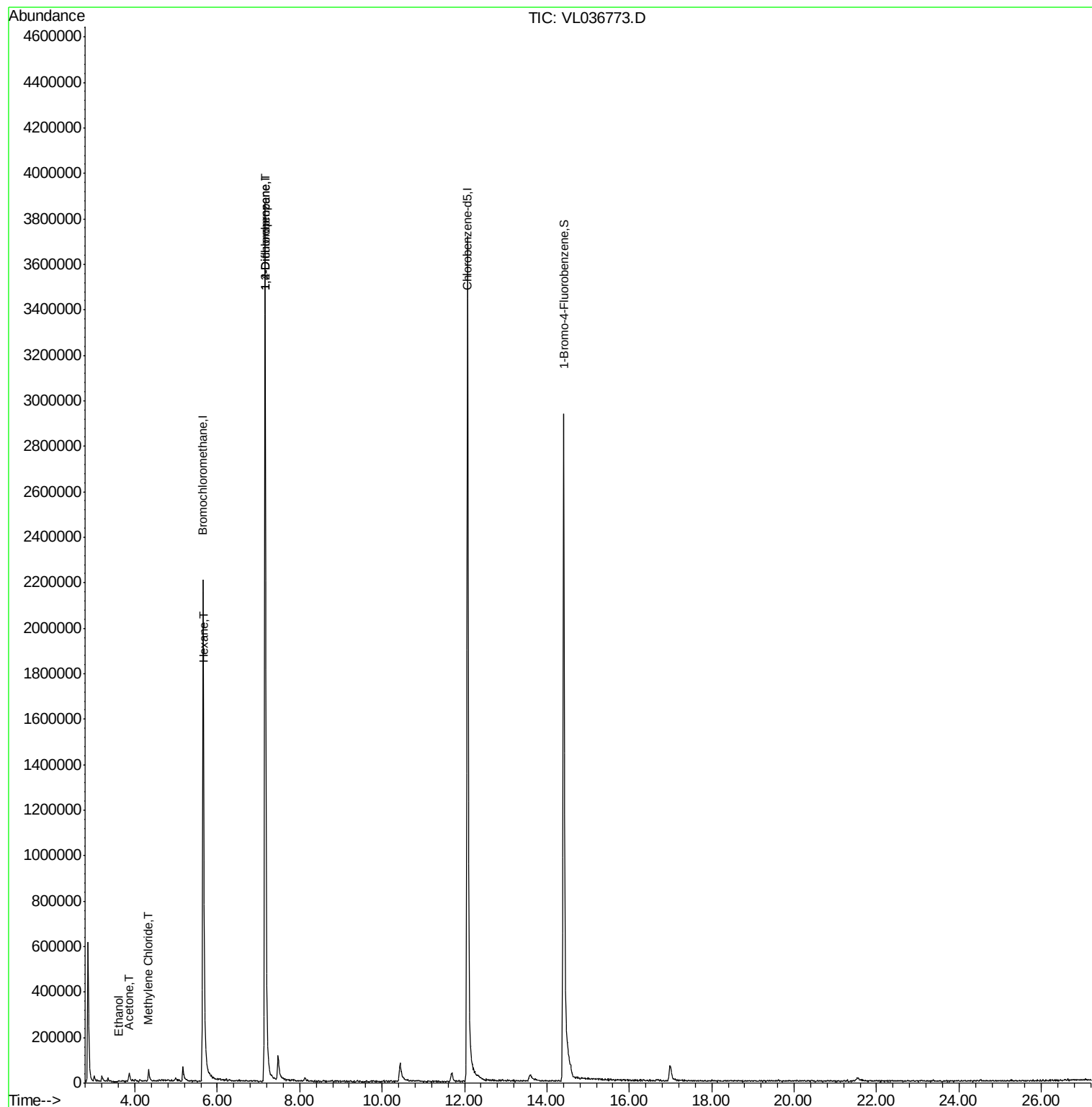
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	703	0.072	ppbv #	34
15) Acetone	3.84	43	7453	0.055	ppbv #	48
20) Methylene Chloride	4.33	84	9120	0.144	ppbv #	74
26) Hexane	5.67	57	9521	0.064	ppbv #	42
39) 1,2-Dichloropropane	7.16	63	842625	7.048	ppbv #	24

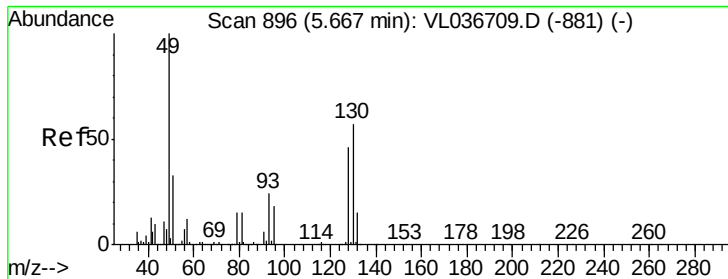
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

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VIBLK

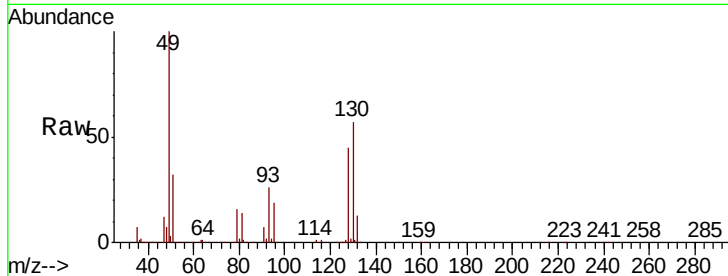
Tot Ion: 49 Resp: 1371924

Ion Ratio Lower Upper

49 100

128 45.6 23.5 70.6

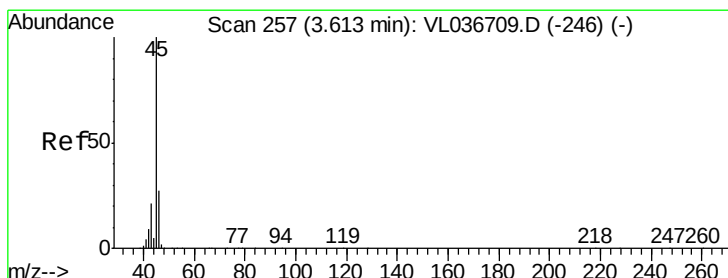
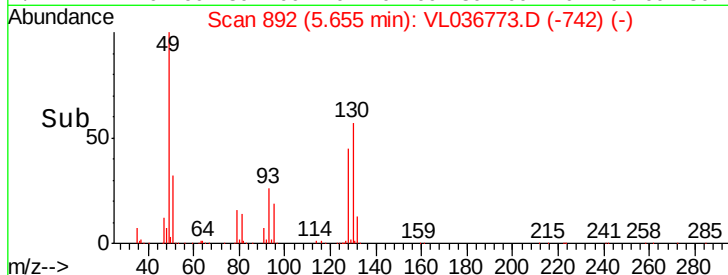
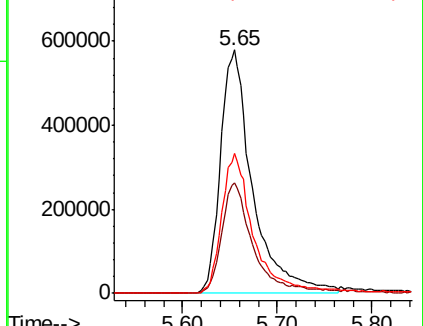
130 58.2 29.1 87.4



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: 0.072 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL036773.D

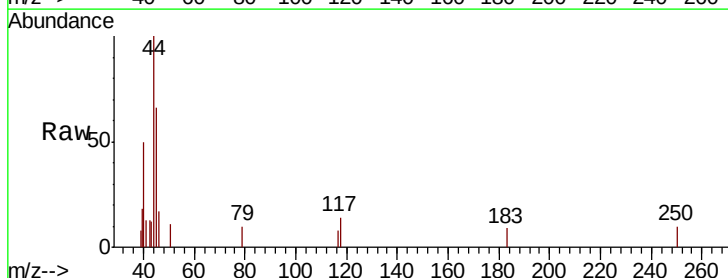
Acq: 9 Apr 2021 14:05

Tgt Ion: 45 Resp: 703

Ion Ratio Lower Upper

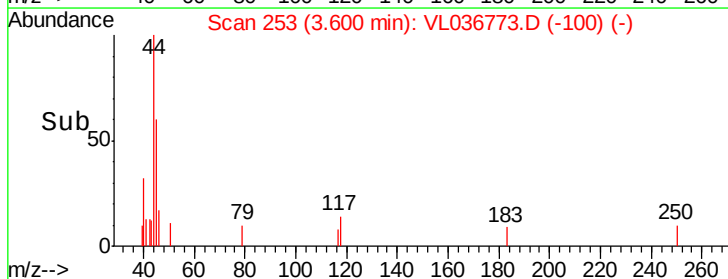
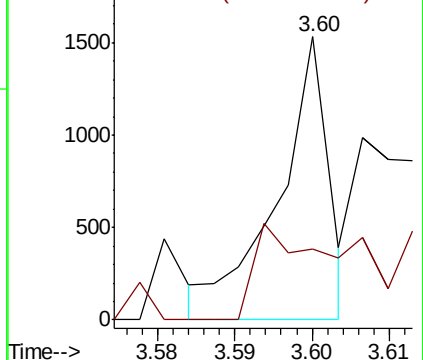
45 100

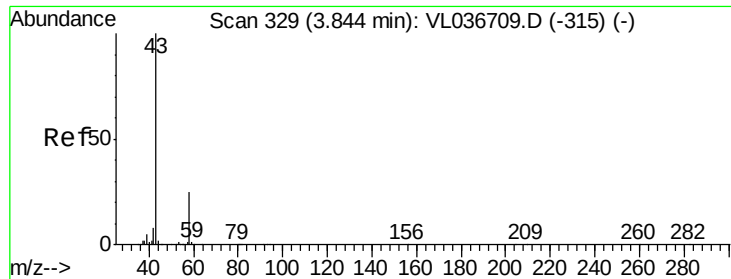
46 0.0 16.6 66.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.055 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036773.D

Acq: 9 Apr 2021 14:05

Instrument :

MSVOA_L

ClientSampleId :

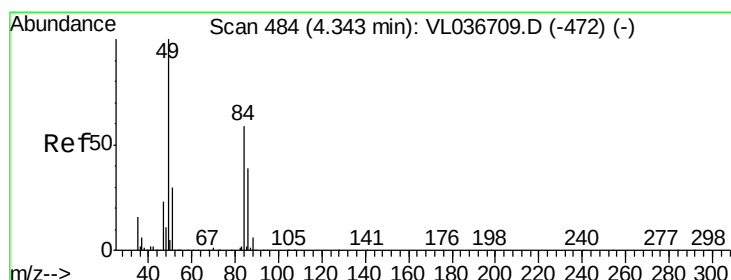
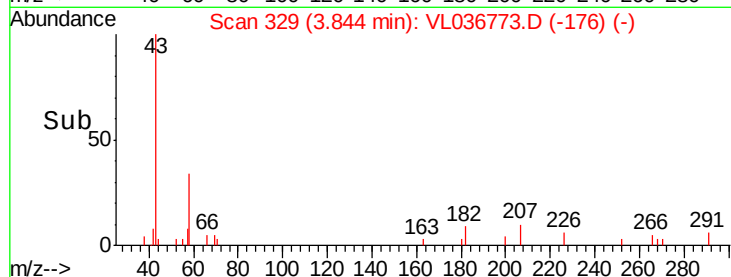
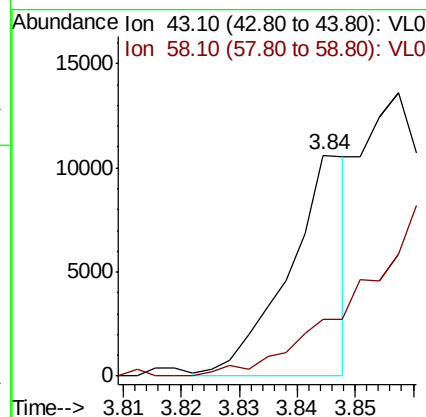
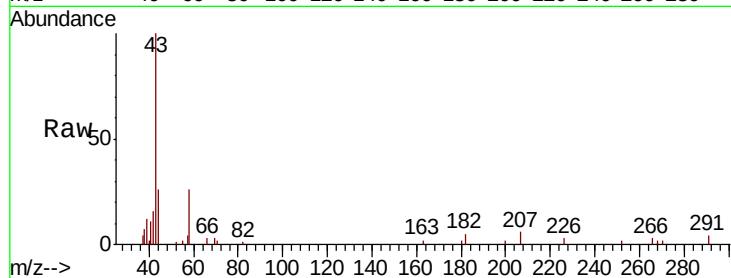
VIBLK

Tot Ion: 43 Resp: 7453

Ion Ratio Lower Upper

43 100

58 0.0 21.2 31.8#



#20

Methylene Chloride

Concen: 0.144 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036773.D

Acq: 9 Apr 2021 14:05

Tgt Ion: 84 Resp: 9120

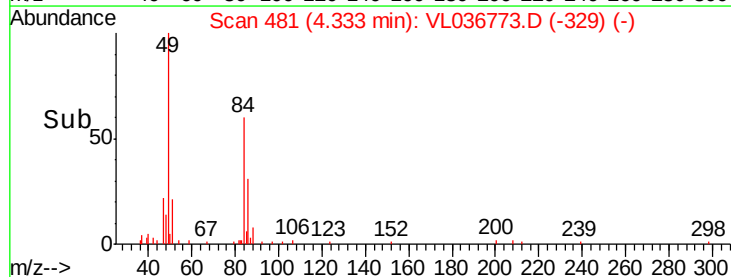
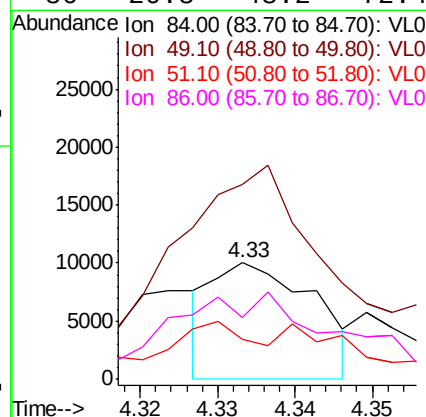
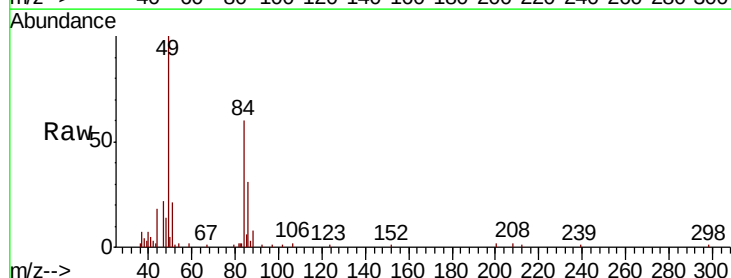
Ion Ratio Lower Upper

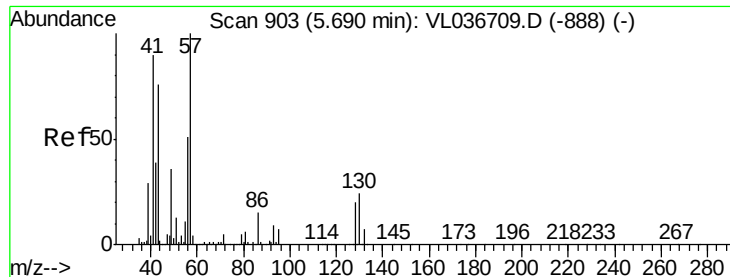
84 100

49 150.2 122.9 184.3

51 0.0 36.9 55.3#

86 20.8 48.2 72.4#





#26

Hexane

Concen: 0.064 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036773.D

Acq: 9 Apr 2021 14:05

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 57 Resp: 9521

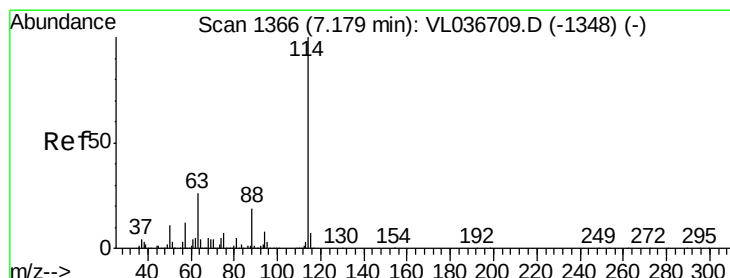
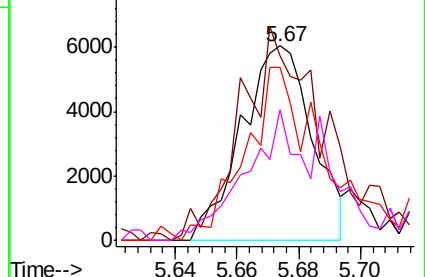
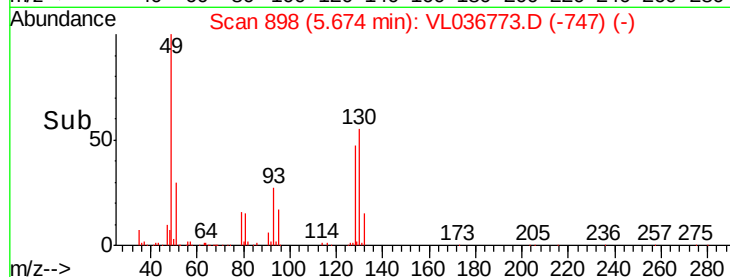
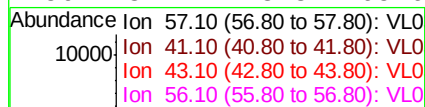
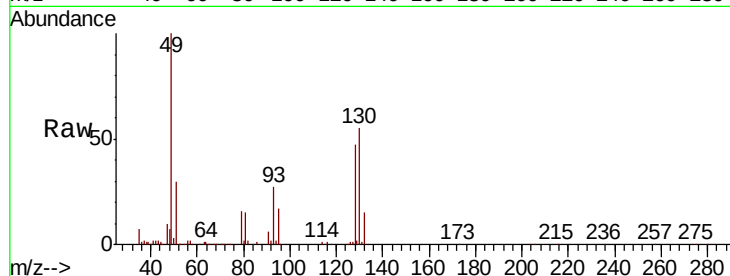
Ion Ratio Lower Upper

57 100

41 142.7 77.2 115.8#

43 109.5 173.8 260.6#

56 84.4 43.8 65.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VL036773.D

Acq: 9 Apr 2021 14:05

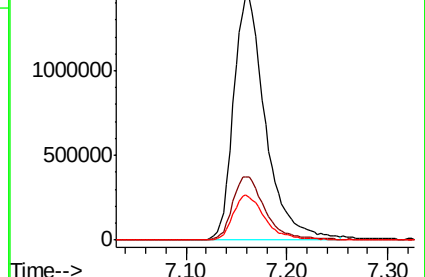
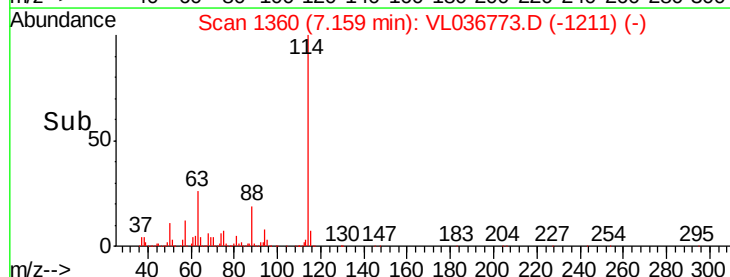
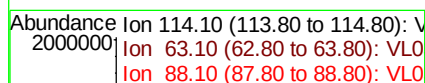
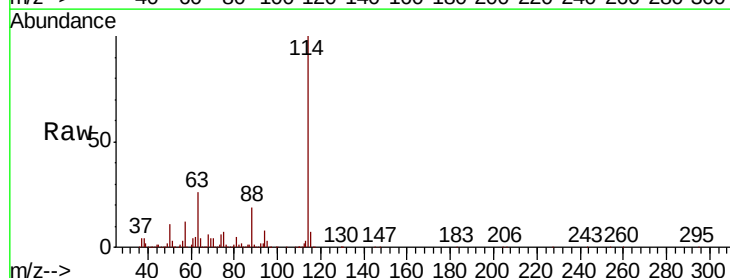
Tgt Ion: 114 Resp: 3195797

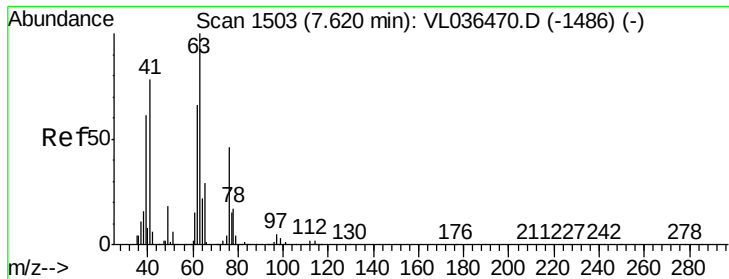
Ion Ratio Lower Upper

114 100

63 27.0 22.4 33.6

88 18.7 15.4 23.0





#39

1,2-Dichloropropane

Concen: 7.048 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.46 min

Lab File: VL036773.D

Acq: 9 Apr 2021 14:05

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

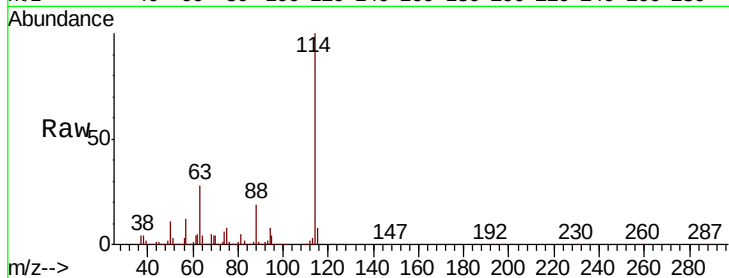
Tot Ion: 63 Resp: 842625

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

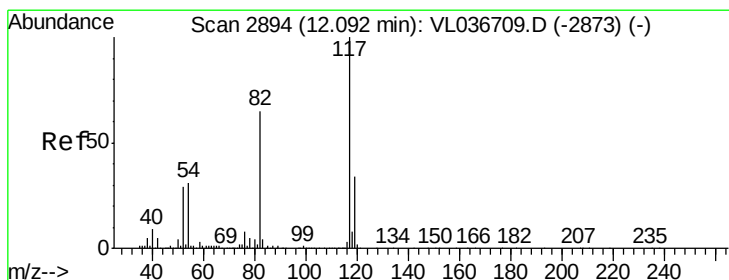
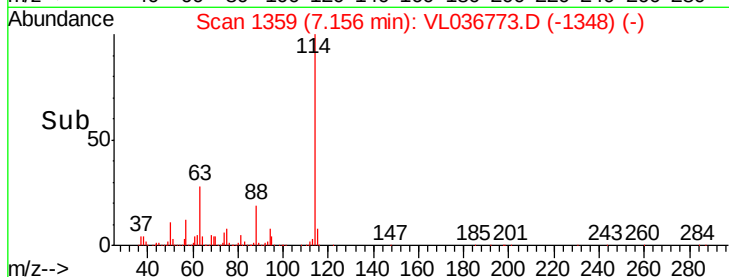
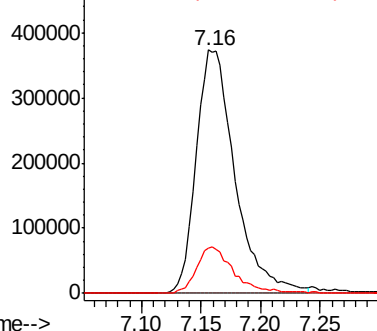
62 18.3 52.8 79.2#



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: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL036773.D

Acq: 9 Apr 2021 14:05

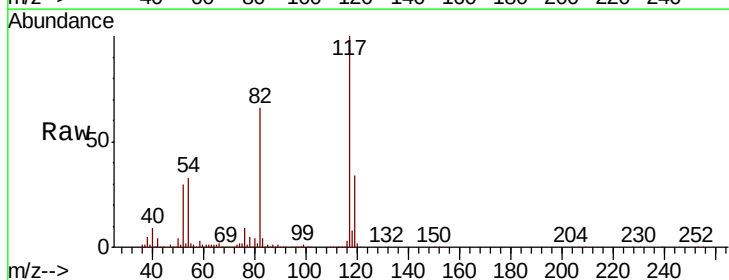
Tgt Ion: 117 Resp: 2529579

Ion Ratio Lower Upper

117 100

82 69.0 57.4 86.0

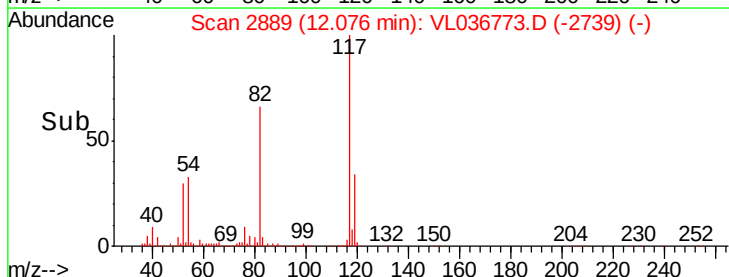
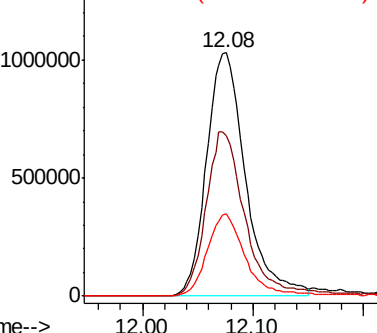
119 33.1 47.4 71.0#

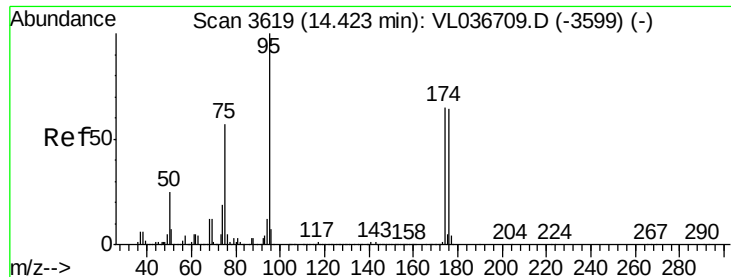


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 7.767 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.02 min

Lab File: VL036773.D

Acq: 9 Apr 2021 14:05

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

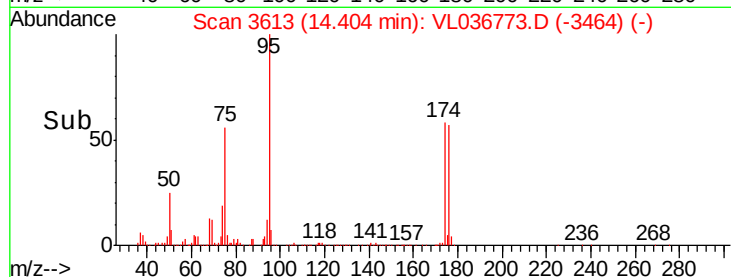
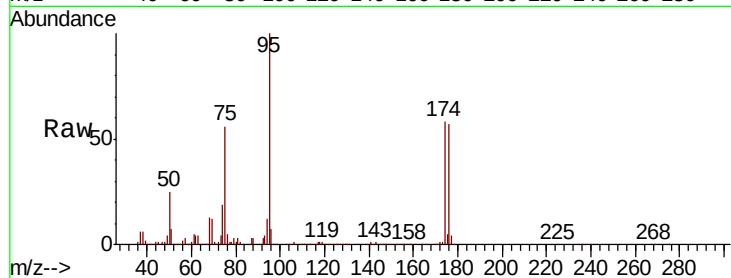
Tot Ion: 95 Resp: 1565870

Ion Ratio Lower Upper

95 100

174 68.4 51.0 76.6

175 5.0 3.9 5.9



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

