

Data File : VL034812.D
Acq On : 6 Mar 2020 2:49
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Mar 06 03:51:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	472373	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	1113379	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	1097513	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	853283	9.32	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

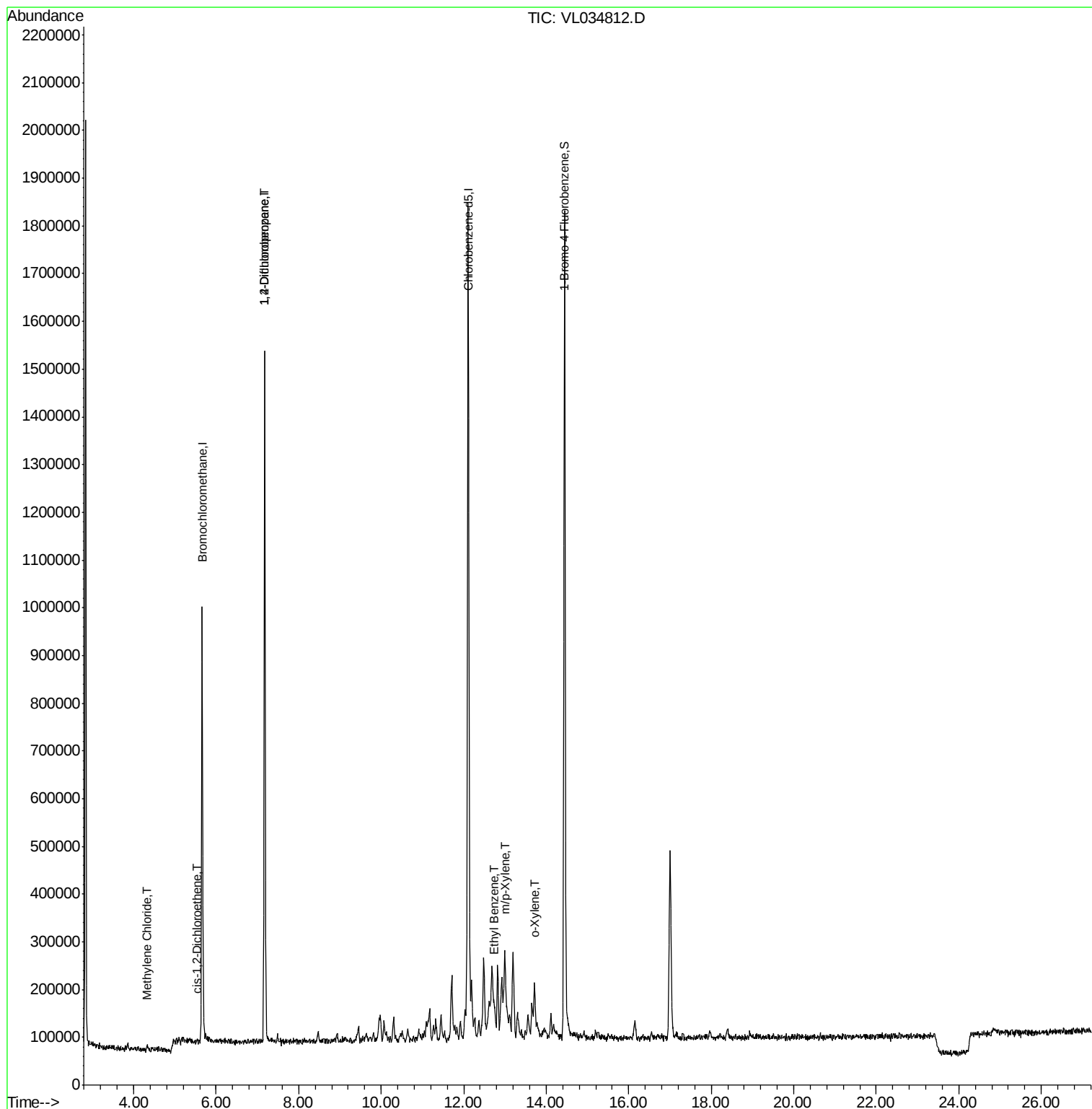
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.31	84	1471	0.073	ppbv #	58
31) cis-1,2-Dichloroethene	5.54	61	1347	0.031	ppbv #	87
39) 1,2-Dichloropropane	7.17	63	271702	7.077	ppbv #	23
58) Ethyl Benzene	12.73	91	19485	0.144	ppbv #	83
59) m/p-Xylene	13.01	91	28852	0.246	ppbv #	31
60) o-Xylene	13.72	91	32117	0.271	ppbv	77

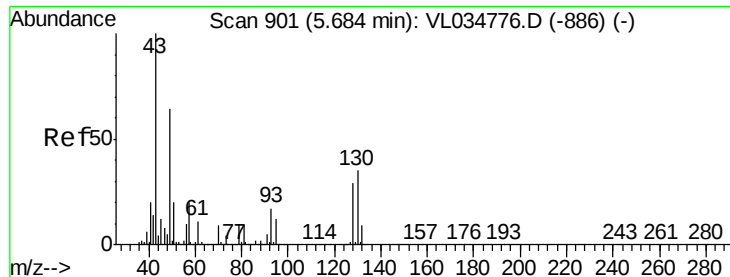
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

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MSVOA_L

ClientSampleId :

VIBLK

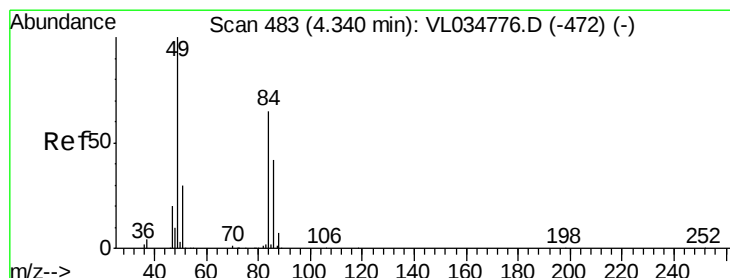
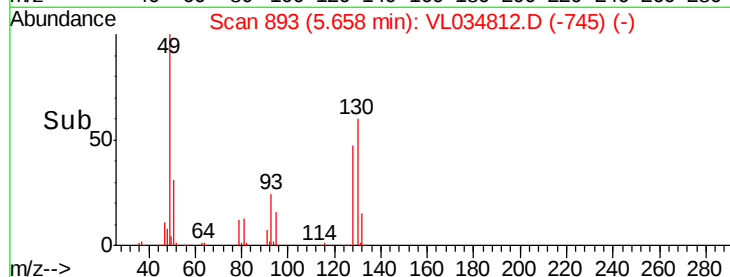
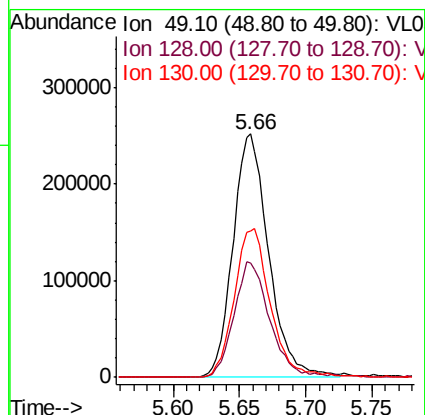
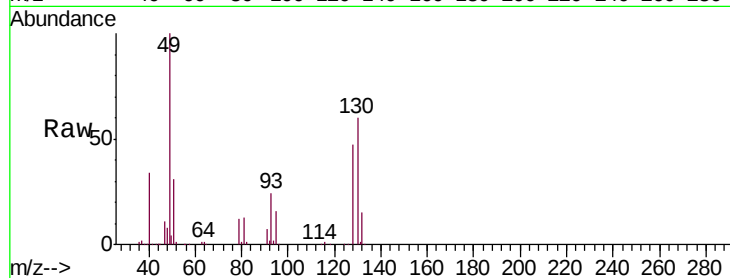
Tgt Ion: 49 Resp: 472373

Ion Ratio Lower Upper

49 100

128 48.0 21.6 64.6

130 61.9 27.4 82.2



#20

Methylene Chloride

Concen: 0.073 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL034812.D

Acq: 6 Mar 2020 2:49

Tgt Ion: 84 Resp: 1471

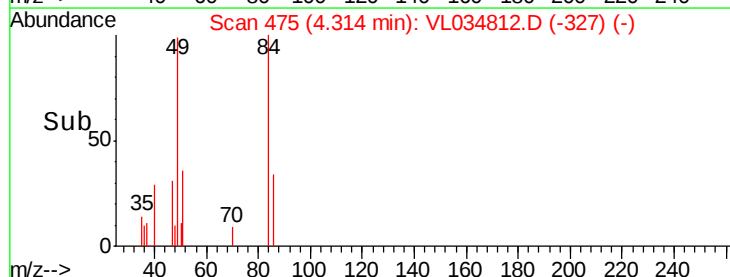
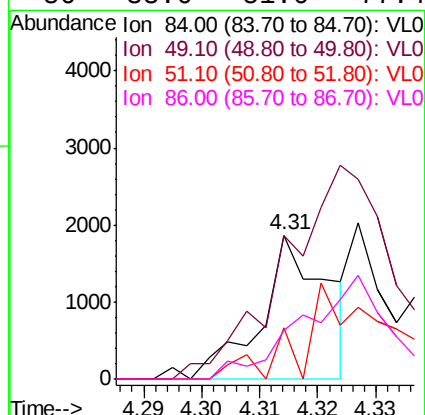
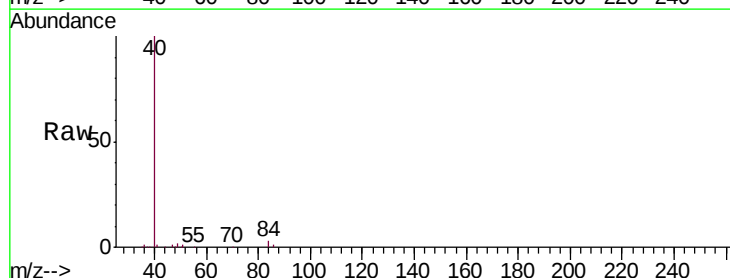
Ion Ratio Lower Upper

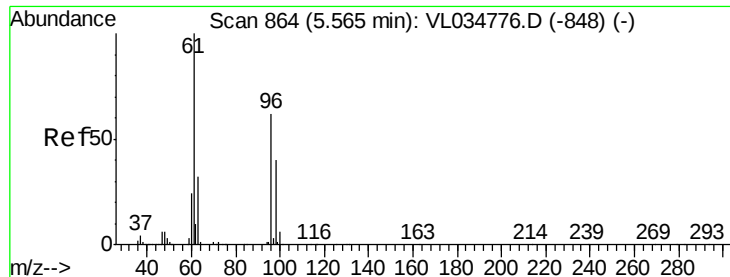
84 100

49 89.2 123.2 184.8#

51 35.8 37.4 56.2#

86 33.6 51.6 77.4#



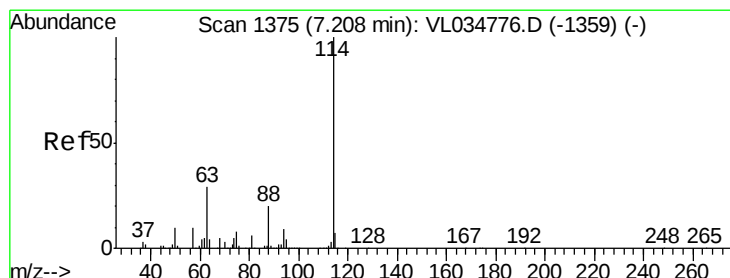
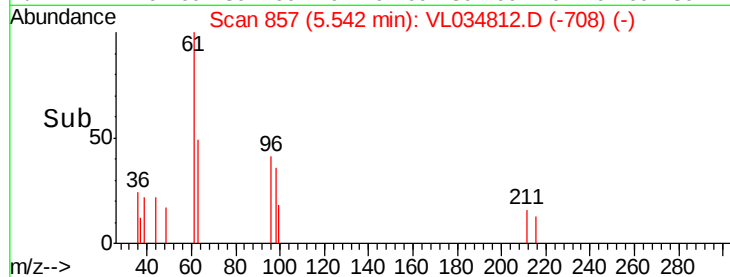
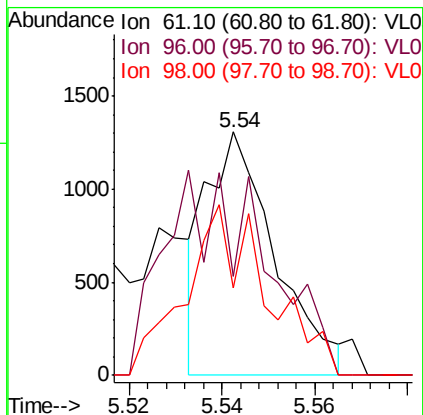
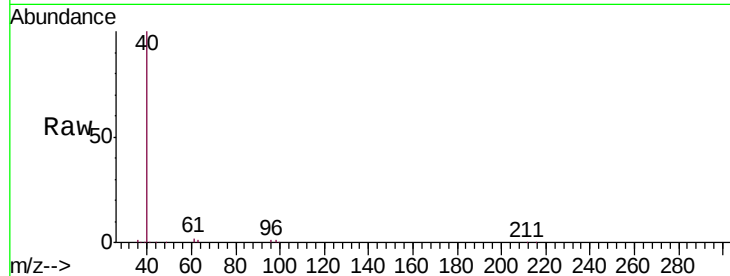


#31

cis-1,2-Dichloroethene
 Concen: 0.031 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VL034812.D
 Acq: 6 Mar 2020 2:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

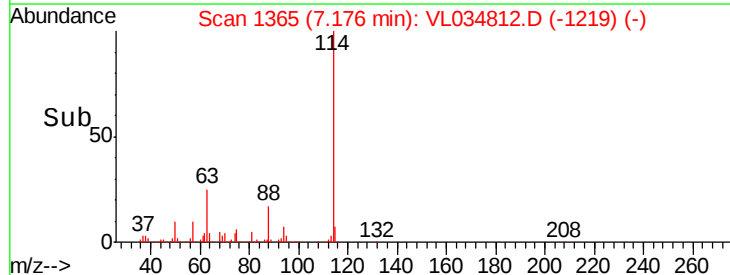
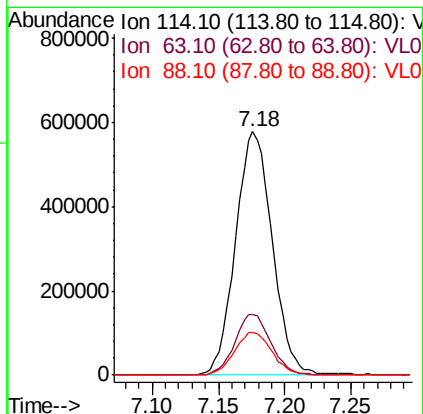
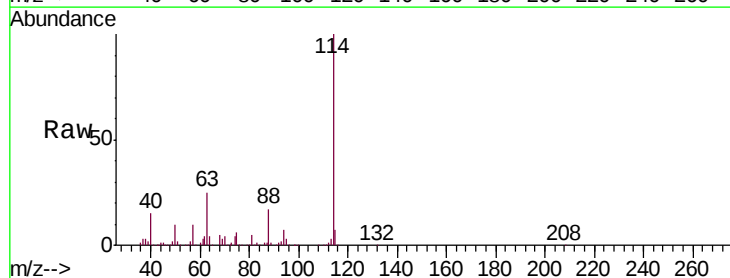
Tgt Ion: 61 Resp: 1347
 Ion Ratio Lower Upper
 61 100
 96 46.8 49.7 74.5#
 98 41.1 31.9 47.9

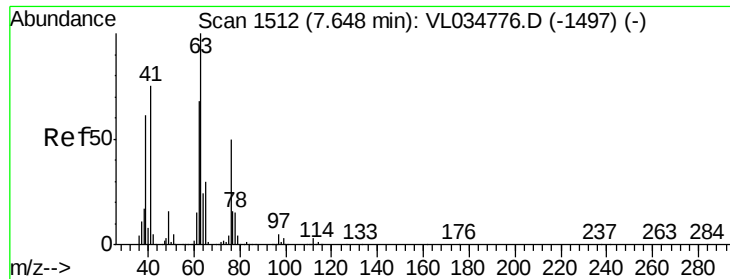


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.03 min
 Lab File: VL034812.D
 Acq: 6 Mar 2020 2:49

Tgt Ion: 114 Resp: 1113379
 Ion Ratio Lower Upper
 114 100
 63 24.6 23.6 35.4
 88 18.0 15.8 23.8





#39

1,2-Dichloropropane

Concen: 7.077 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.48 min

Lab File: VL034812.D

Acq: 6 Mar 2020 2:49

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

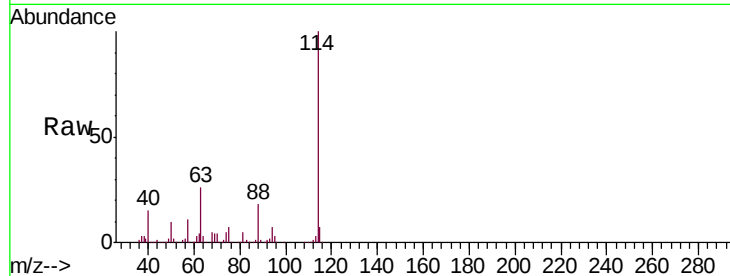
Tgt Ion: 63 Resp: 271702

Ion Ratio Lower Upper

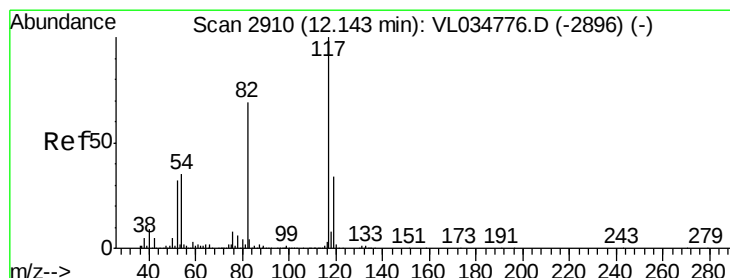
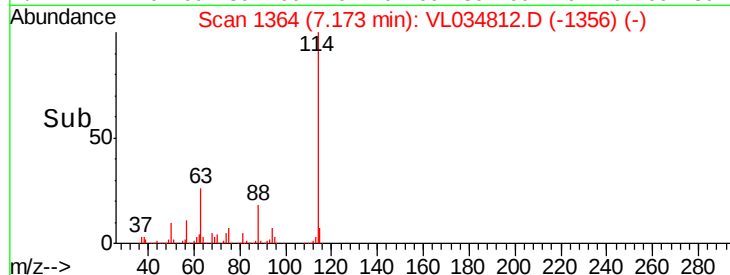
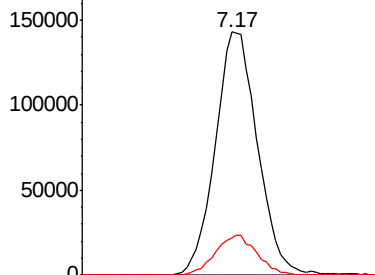
63 100

41 0.2 60.3 90.5#

62 15.4 54.5 81.7#



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: 12.11 min Scan# 2899

Delta R.T. -0.04 min

Lab File: VL034812.D

Acq: 6 Mar 2020 2:49

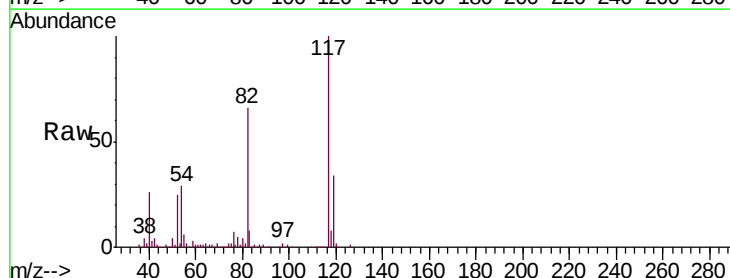
Tgt Ion: 117 Resp: 1097513

Ion Ratio Lower Upper

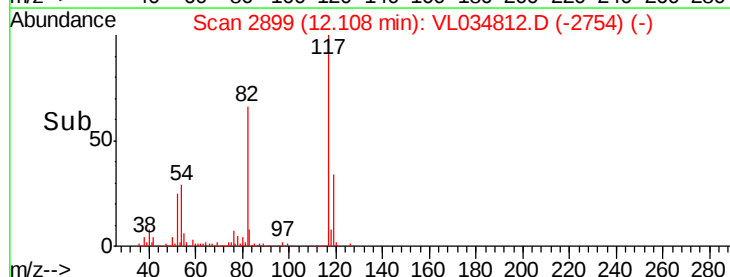
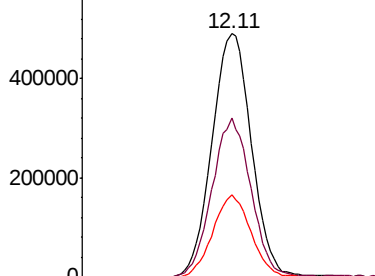
117 100

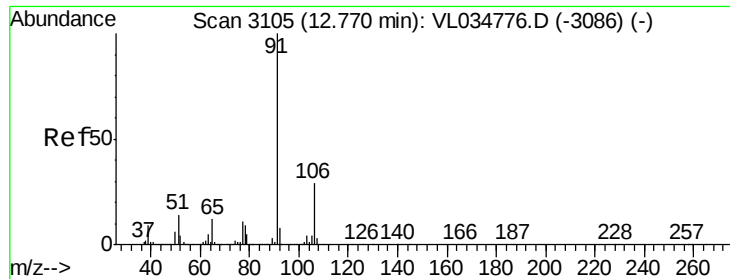
82 64.2 53.9 80.9

119 32.7 25.0 37.4



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





#58

Ethyl Benzene

Concen: 0.144 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.04 min

Lab File: VL034812.D

Acq: 6 Mar 2020 2:49

Instrument :

MSVOA_L

ClientSampleId :

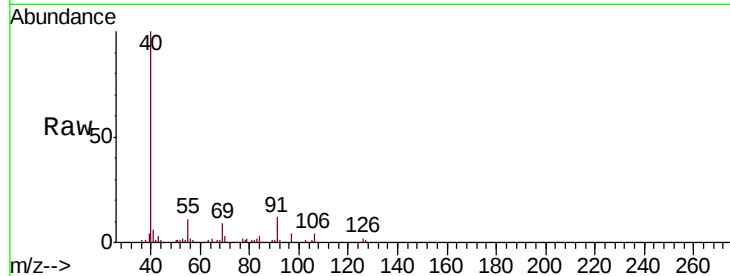
VIBLK

Tgt Ion: 91 Resp: 19485

Ion Ratio Lower Upper

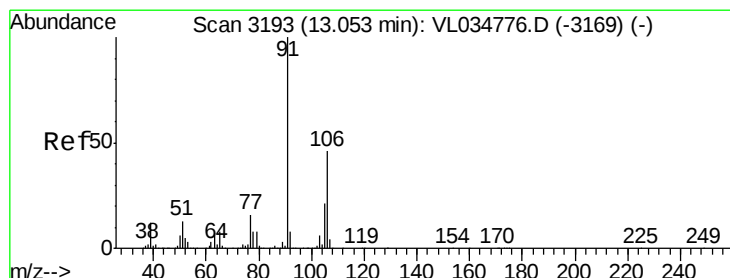
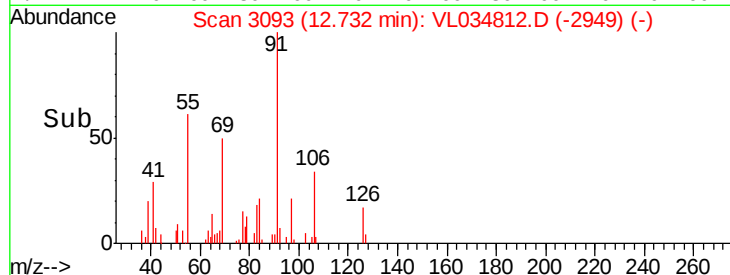
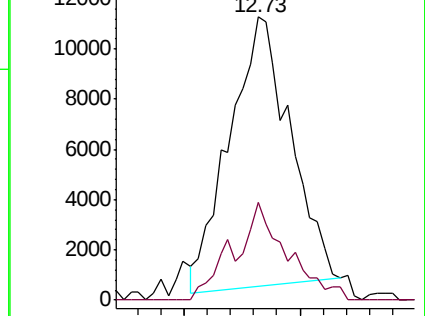
91 100

106 37.3 22.8 34.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.246 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.04 min

Lab File: VL034812.D

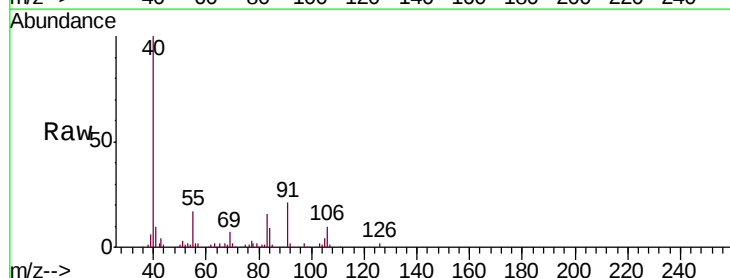
Acq: 6 Mar 2020 2:49

Tgt Ion: 91 Resp: 28852

Ion Ratio Lower Upper

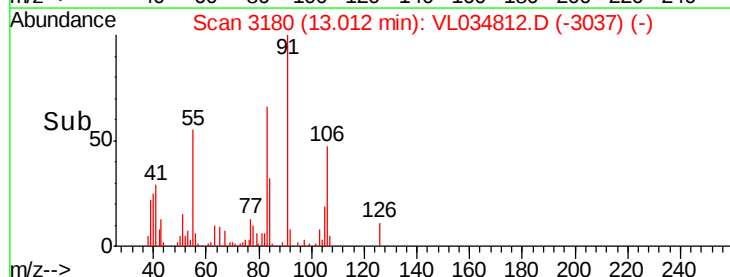
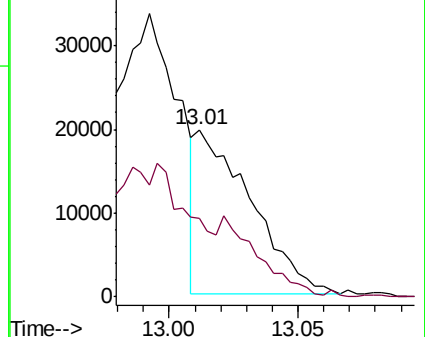
91 100

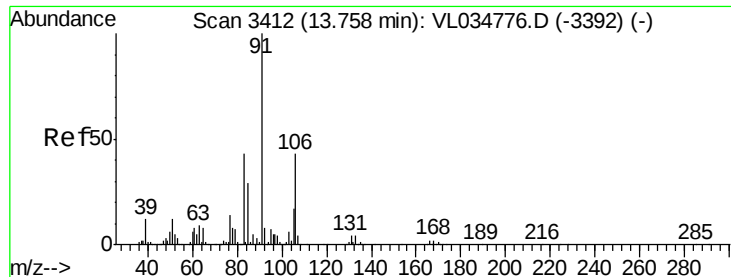
106 0.0 35.8 53.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

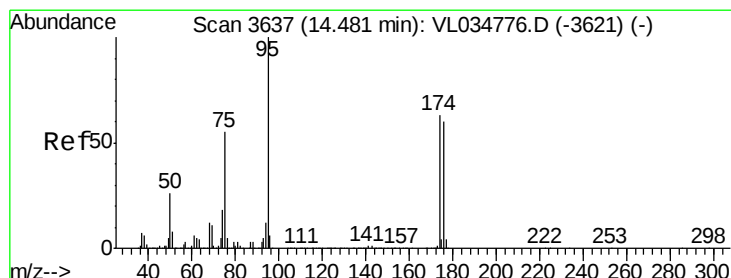
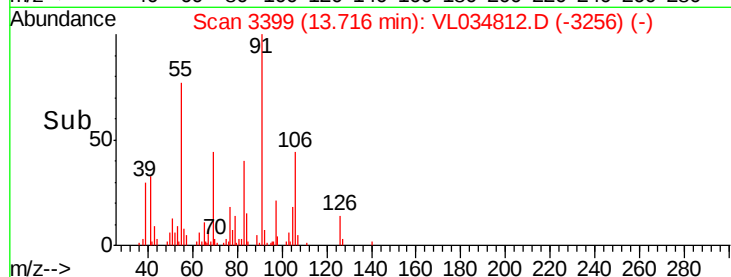
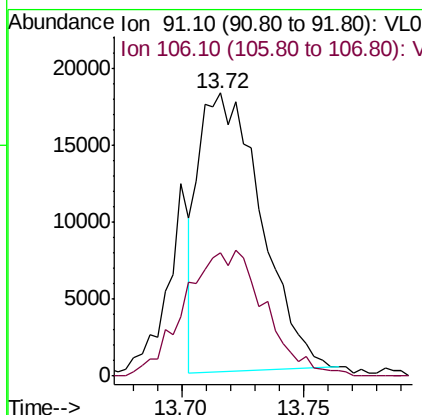
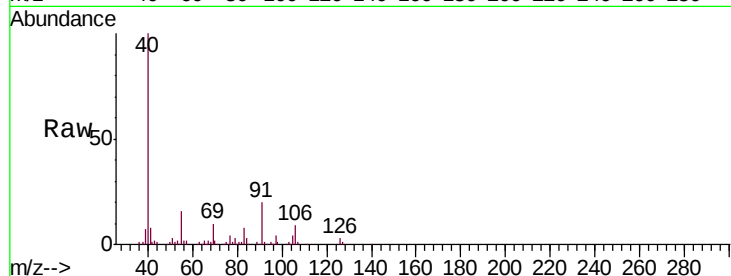




#60
o-Xylene
Concen: 0.271 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.04 min
Lab File: VL034812.D
Acq: 6 Mar 2020 2:49

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tgt Ion: 91 Resp: 32117
Ion Ratio Lower Upper
91 100
106 58.4 21.7 65.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.324 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.04 min
Lab File: VL034812.D
Acq: 6 Mar 2020 2:49

Tgt Ion: 95 Resp: 853283
Ion Ratio Lower Upper
95 100
174 74.8 50.6 76.0
175 5.9 3.8 5.6#

