

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021920\
 Data File : VL034651.D
 Acq On : 19 Feb 2020 14:25
 Operator : SY/AP
 Sample : QC021820 CAN 10054
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC021820 CAN 10054

Quant Time: Feb 20 14:53:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	832626	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1751021	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	1664112	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1381074	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

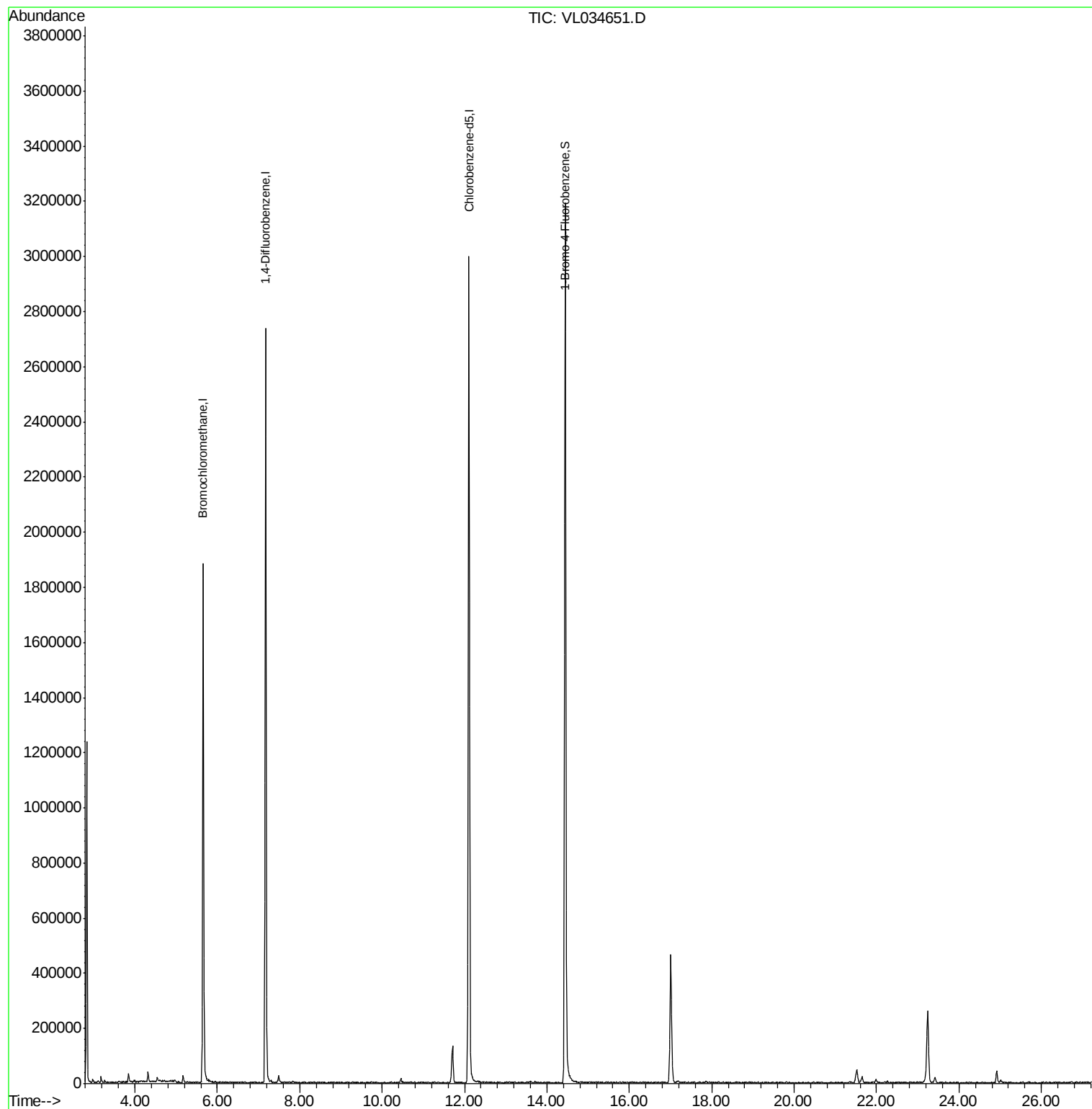
Target Compounds	Ovalue

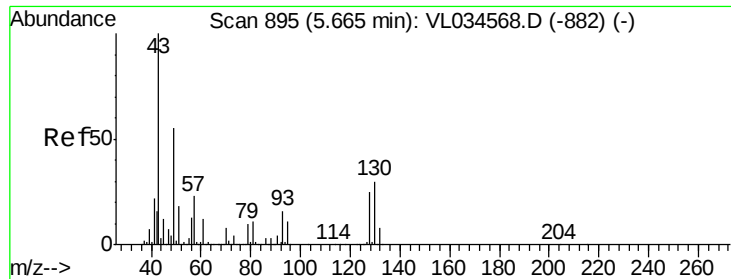
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021920\
Data File : VL034651.D
Acq On : 19 Feb 2020 14:25
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
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QC021820 CAN 10054

Quant Time: Feb 20 14:53:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
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QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034651.D

Acq: 19 Feb 2020 14:25

Instrument :

MSVOA_L

ClientSampleId :

QC021820 CAN 10054

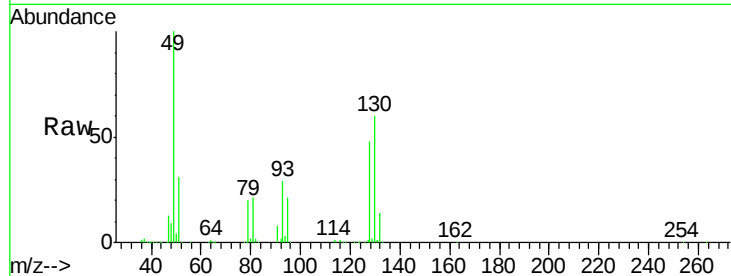
Tot Ion: 49 Resp: 832626

Ion Ratio Lower Upper

49 100

128 47.3 22.7 68.1

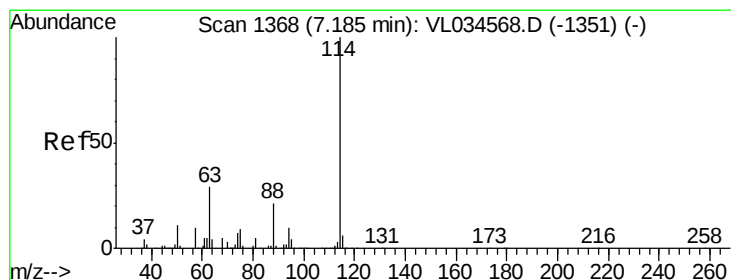
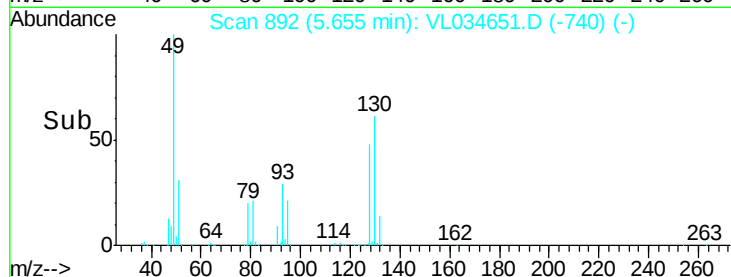
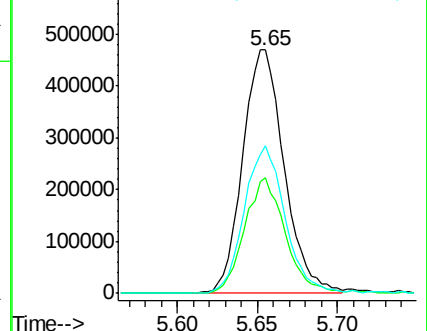
130 60.7 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL034651.D

Acq: 19 Feb 2020 14:25

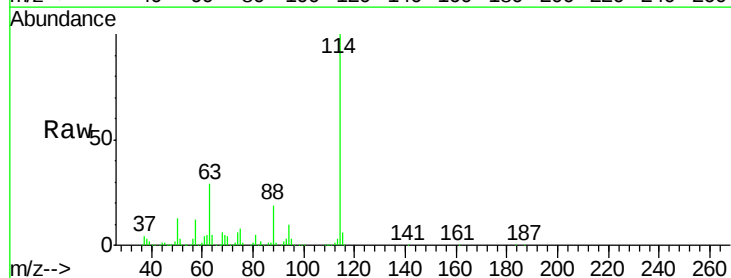
Tgt Ion: 114 Resp: 1751021

Ion Ratio Lower Upper

114 100

63 28.9 24.1 36.1

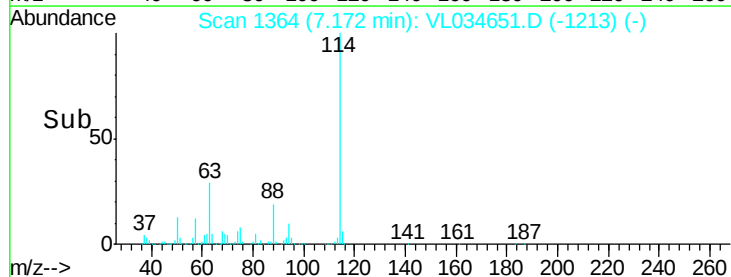
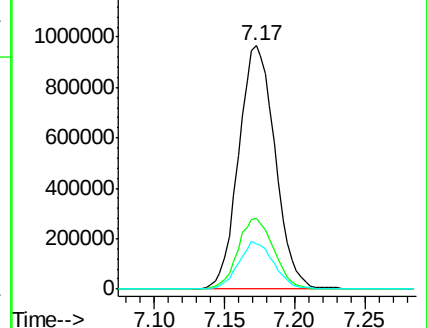
88 18.9 15.9 23.9

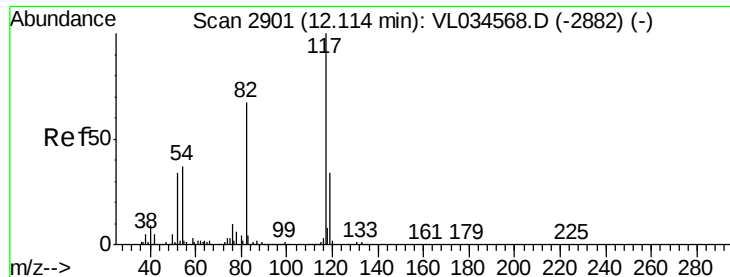


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

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Acq: 19 Feb 2020 14:25

Instrument :

MSVOA_L

ClientSampleId :

QC021820 CAN 10054

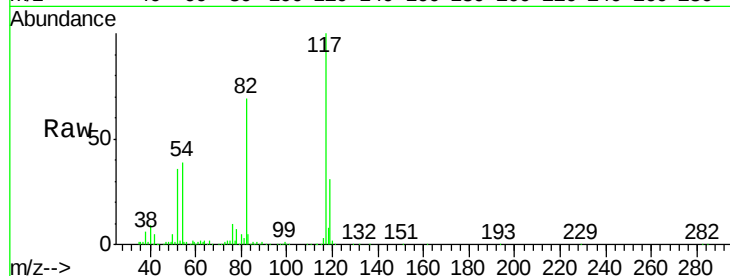
Tot Ion:117 Resp: 1664112

Ion Ratio Lower Upper

117 100

82 70.8 54.2 81.4

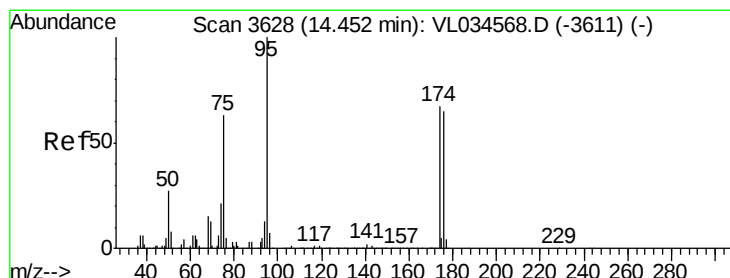
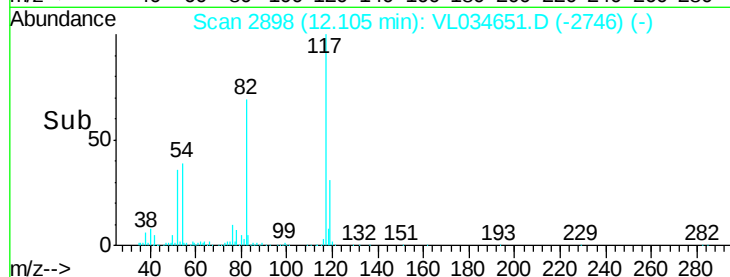
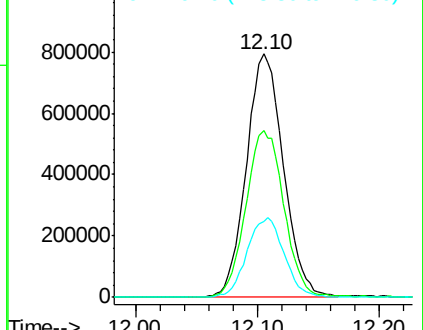
119 33.0 26.1 39.1



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: 9.820 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL034651.D

Acq: 19 Feb 2020 14:25

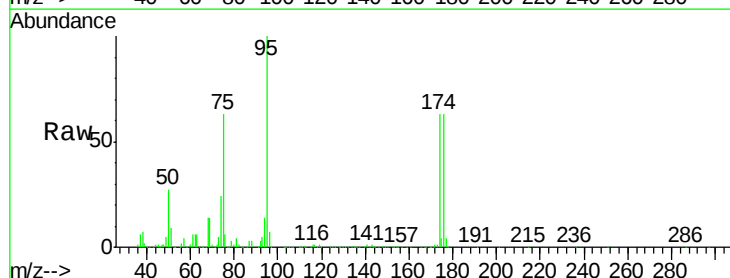
Tgt Ion: 95 Resp: 1381074

Ion Ratio Lower Upper

95 100

174 65.1 52.3 78.5

175 4.5 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

