

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL036986.D
Acq On : 19 May 2021 11:09
Operator : SY/AP
Sample : VL0519ABL01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABL01

Quant Time: May 28 01:53:46 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12
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	5.64	49	1230690	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3661862	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3282401	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2370837	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

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

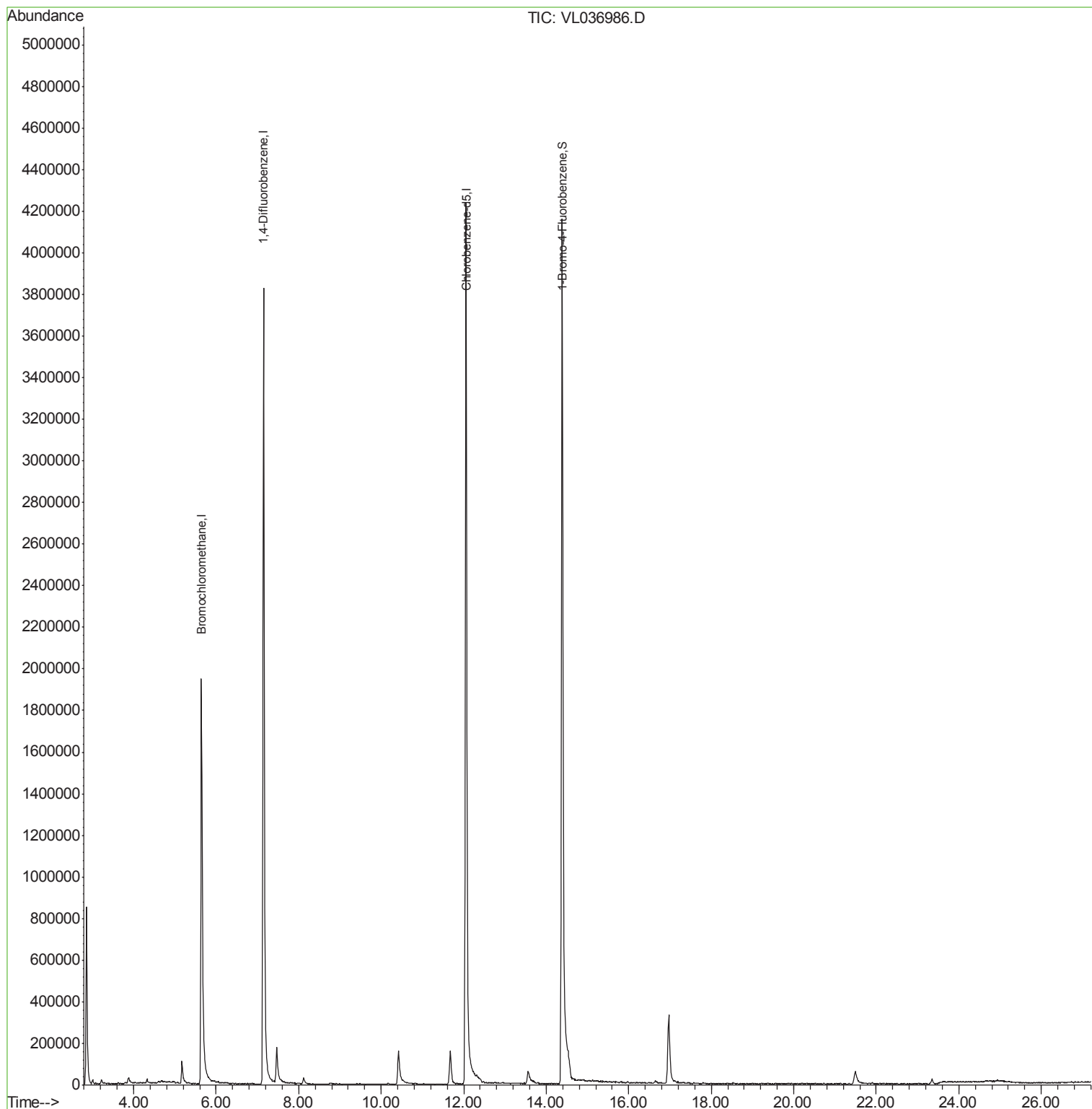
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
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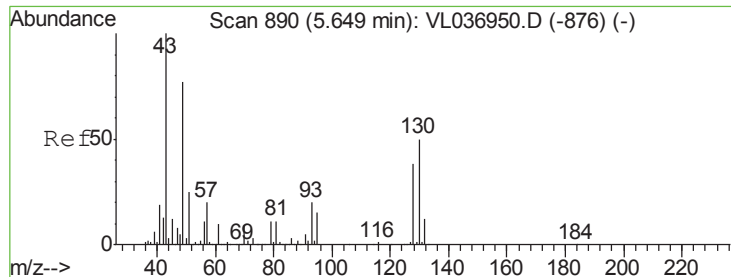
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABL01

Manual Integrations
APPROVED

MMDadoda
5/24/2021 3:01:06 PM

Quant Time: May 28 01:53:46 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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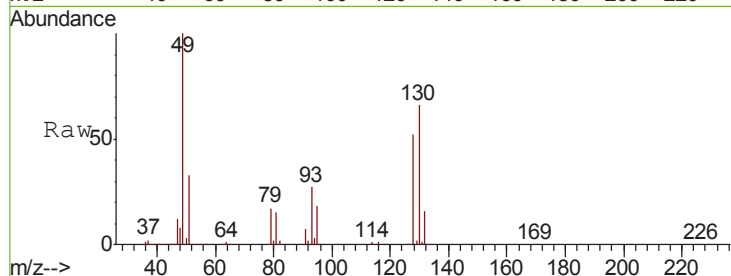


#1

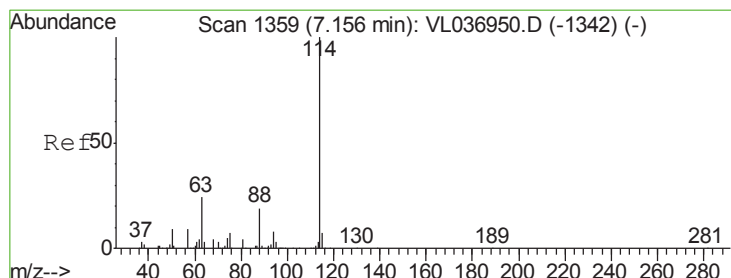
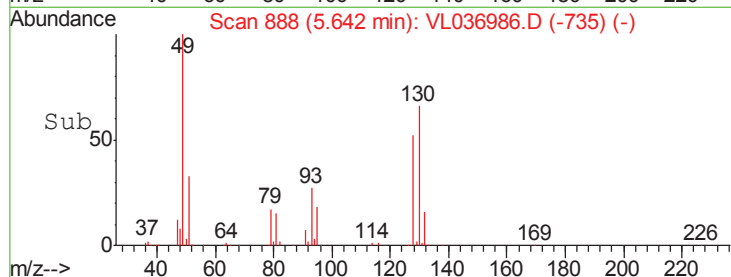
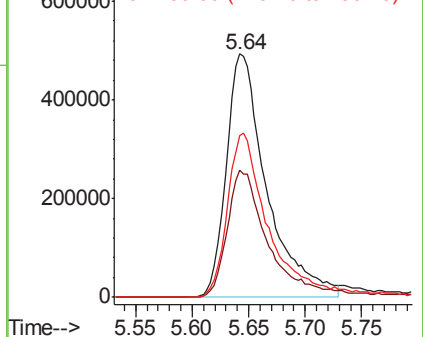
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: VL036986.D
 Acq: 19 May 2021 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABL01

Tot Ion: 49 Resp: 1230690
 Ion Ratio Lower Upper
 49 100
 128 54.7 26.9 80.7
 130 70.9 33.8 101.4



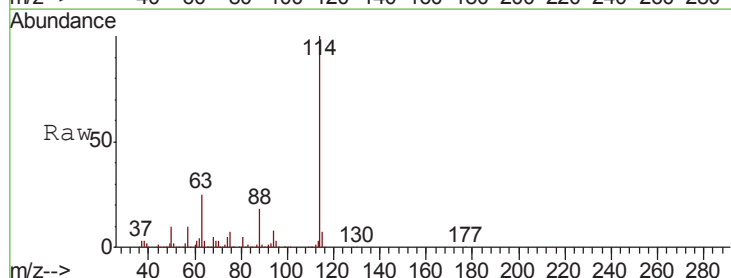
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



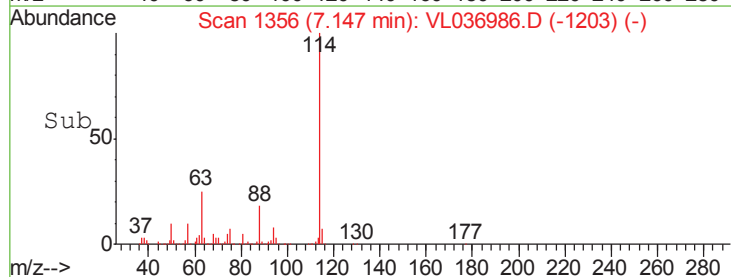
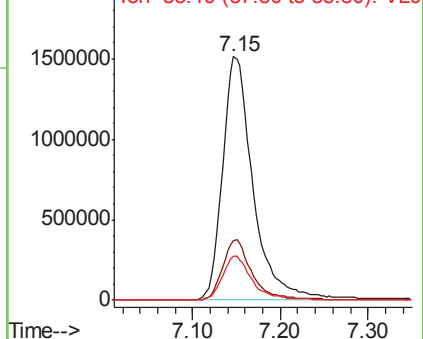
#33

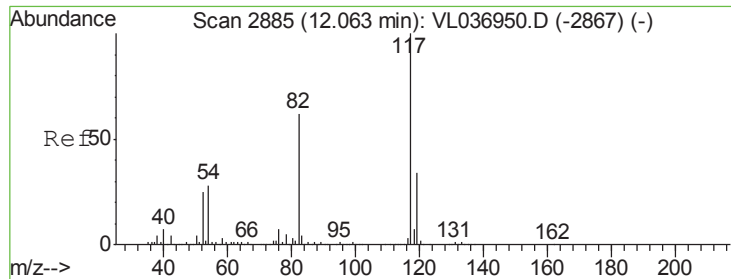
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL036986.D
 Acq: 19 May 2021 11:09

Tgt Ion: 114 Resp: 3661862
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.6 29.4
 88 17.7 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





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.01 min

Lab File: VL036986.D

Acq: 19 May 2021 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABL01

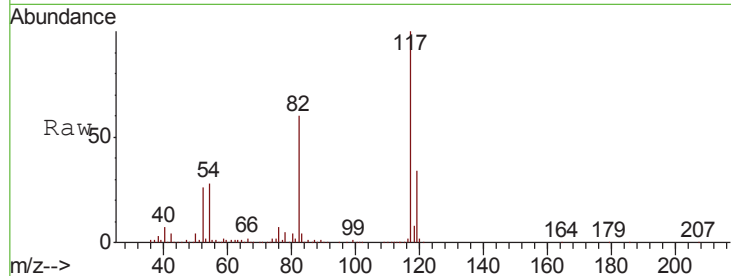
Tot Ion:117 Resp: 3282401

Ion Ratio Lower Upper

117 100

82 65.1 52.6 79.0

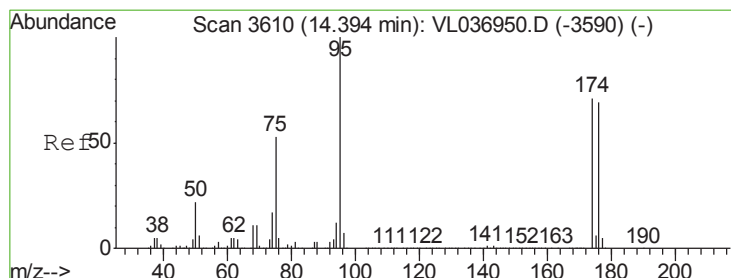
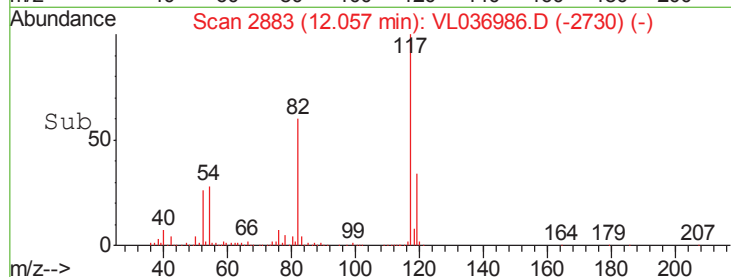
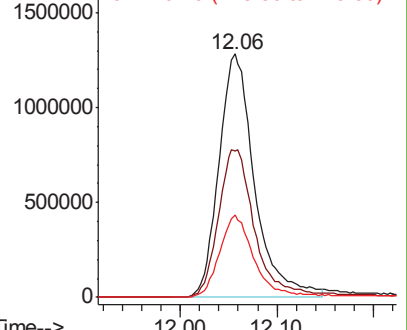
119 33.5 46.6 70.0#



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: 9.615 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036986.D

Acq: 19 May 2021 11:09

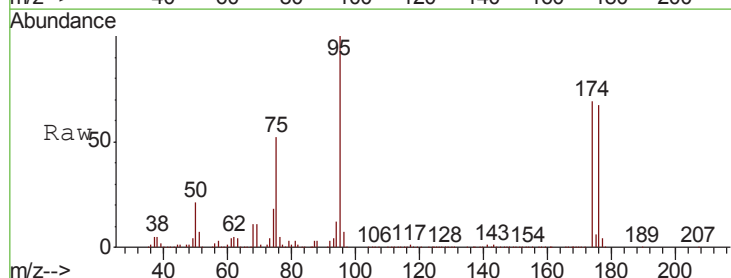
Tgt Ion: 95 Resp: 2370837

Ion Ratio Lower Upper

95 100

174 79.7 58.4 87.6

175 5.8 4.4 6.6



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

