

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040921\
 Data File : VL036770.D
 Acq On : 9 Apr 2021 11:33
 Operator : SY/AP
 Sample : VL0409ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABL01

Quant Time: Apr 21 07:02:56 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	1359094	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3348528	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2646053	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1656499	7.85	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.50%

Target Compounds	Qvalue

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

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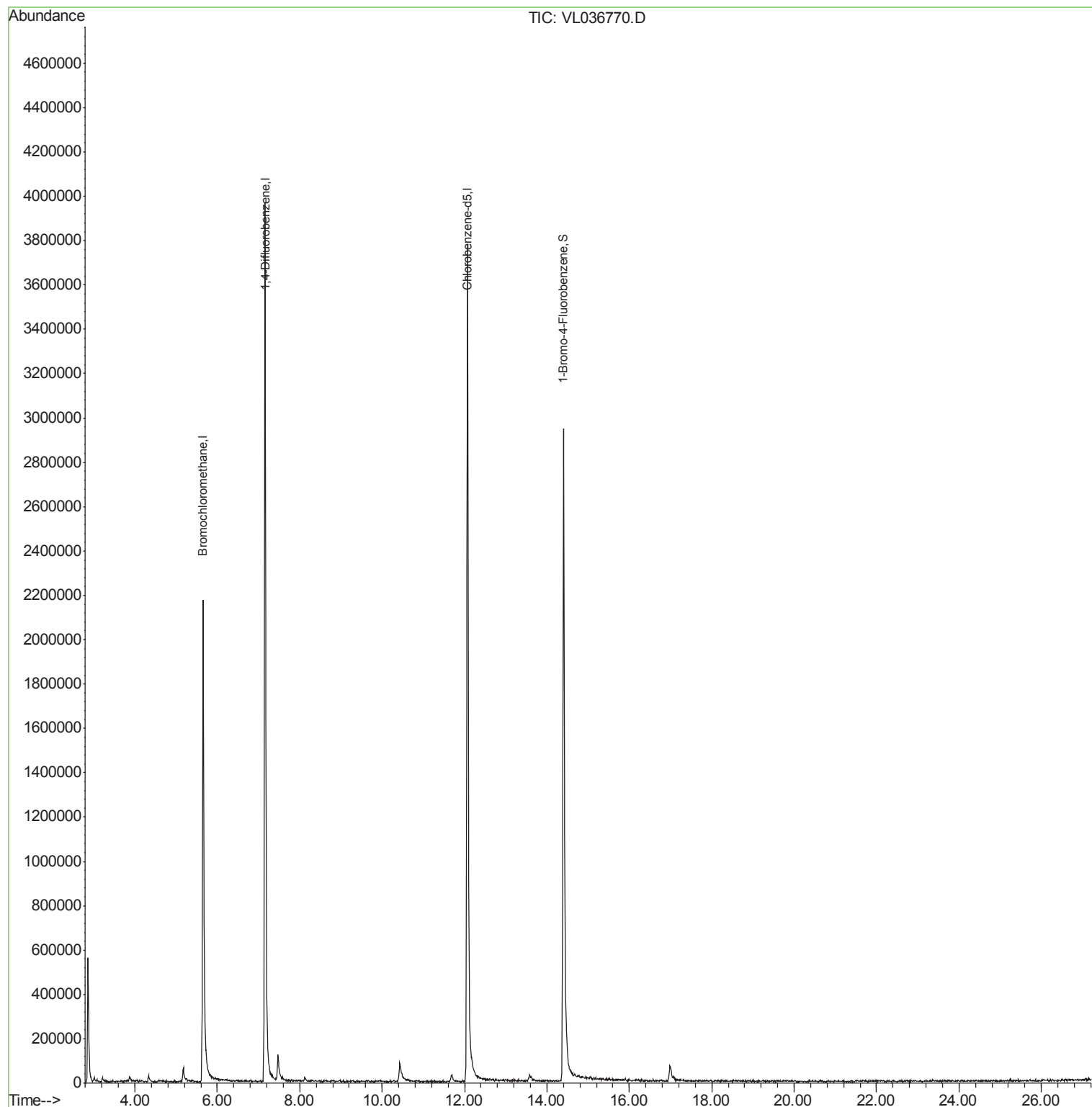
Quant Time: Apr 21 07:02:56 2021

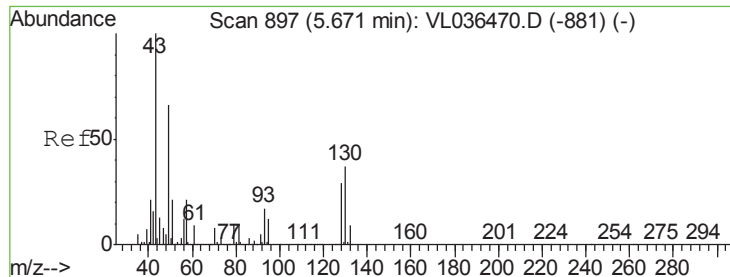
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M

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



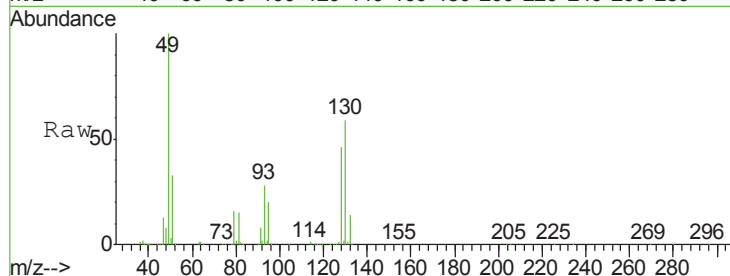


#1

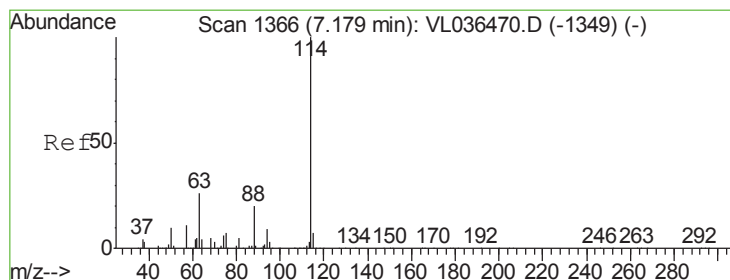
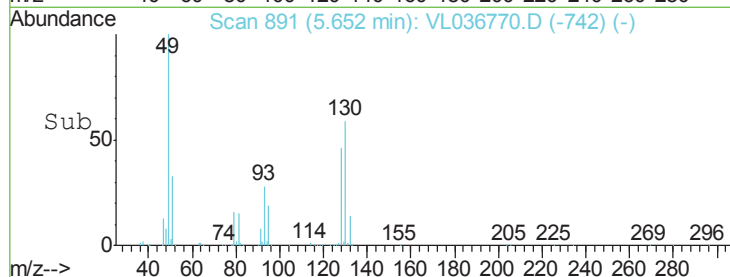
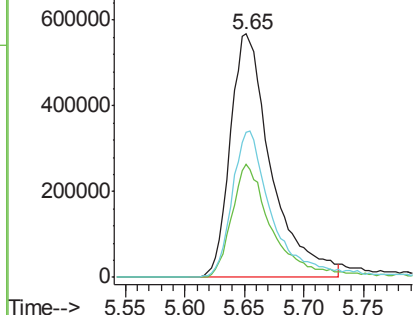
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.02 min
 Lab File: VL036770.D
 Acq: 9 Apr 2021 11:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABL01

Tgt Ion: 49 Resp: 1359094
 Ion Ratio Lower Upper
 49 100
 128 45.7 23.5 70.6
 130 61.1 29.1 87.4



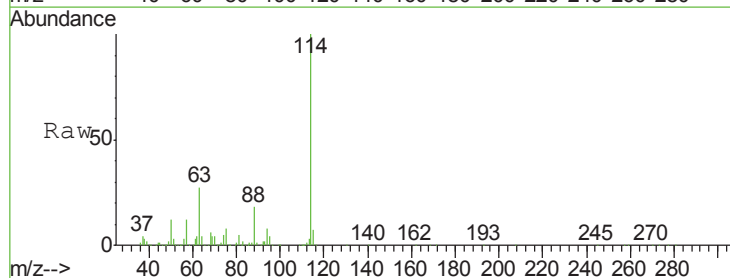
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): VL0
 Ion 130.00 (129.70 to 130.70): VL0



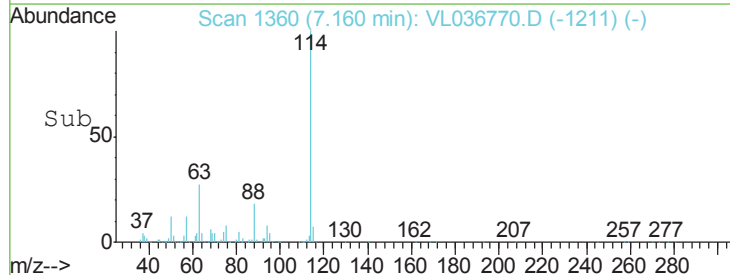
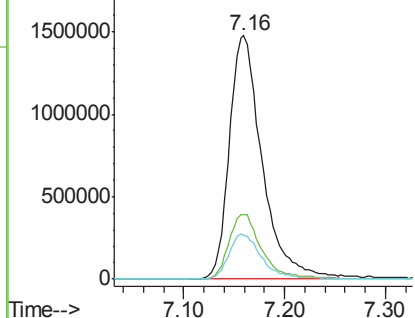
#33

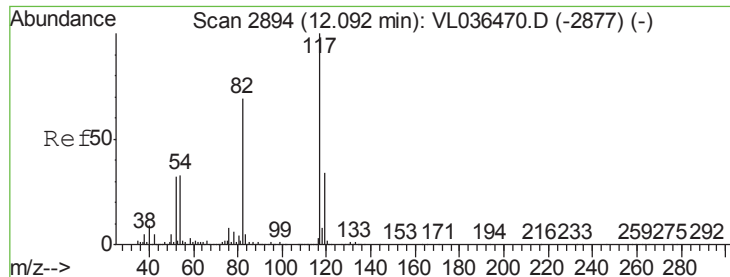
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VL036770.D
 Acq: 9 Apr 2021 11:33

Tgt Ion: 114 Resp: 3348528
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.4 33.6
 88 18.7 15.4 23.0



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: 12.07 min Scan# 2887

Delta R.T. -0.02 min

Lab File: VL036770.D

Acq: 9 Apr 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABL01

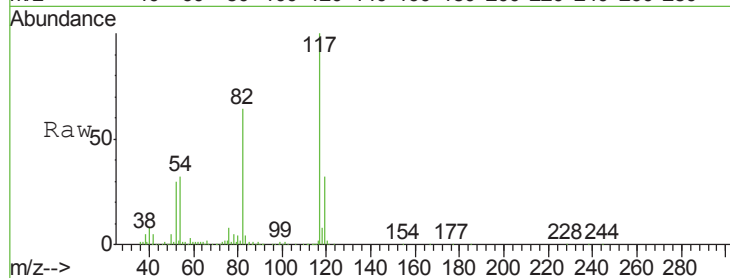
Tgt Ion: 117 Resp: 2646053

Ion Ratio Lower Upper

117 100

82 69.2 57.4 86.0

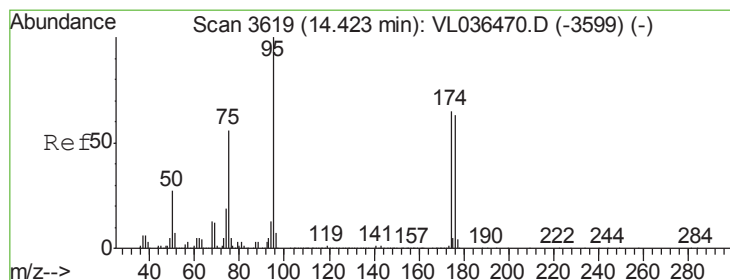
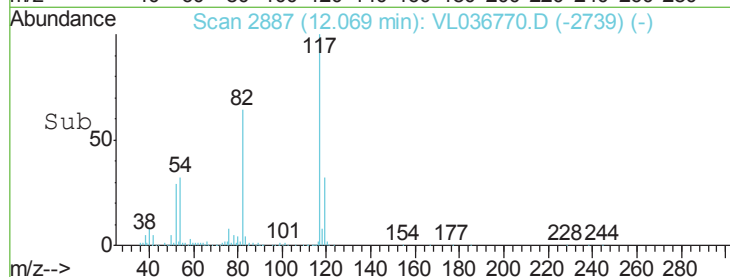
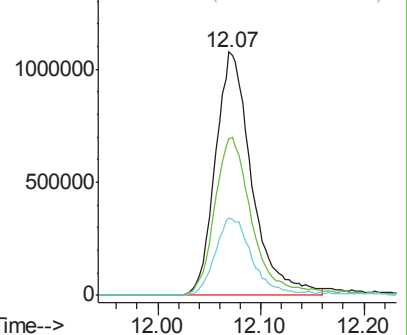
119 34.1 47.4 71.0#



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: 7.855 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.02 min

Lab File: VL036770.D

Acq: 9 Apr 2021 11:33

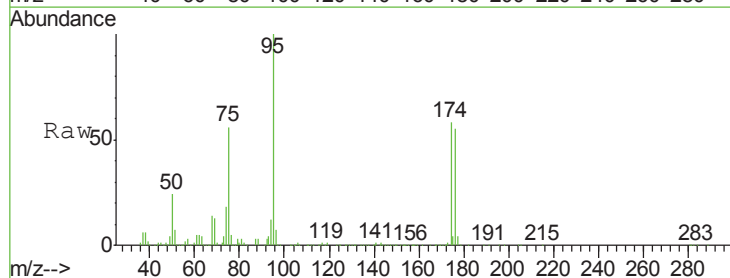
Tgt Ion: 95 Resp: 1656499

Ion Ratio Lower Upper

95 100

174 64.4 51.0 76.6

175 4.4 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

