

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113020\
Data File : VL036027.D
Acq On : 30 Nov 2020 13:29
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Nov 30 14:50:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL113020BRAIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1332345	10.00	ppbv	0.04
3) 1,4-Difluorobenzene	7.21	114	4715400	10.00	ppbv	0.04
4) Chlorobenzene-d5	12.14	117	4351548	10.00	ppbv	0.04

System Monitoring Compounds

5) 1-Bromo-4-Fluorobenzene	14.47	95	3334192	10.78	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

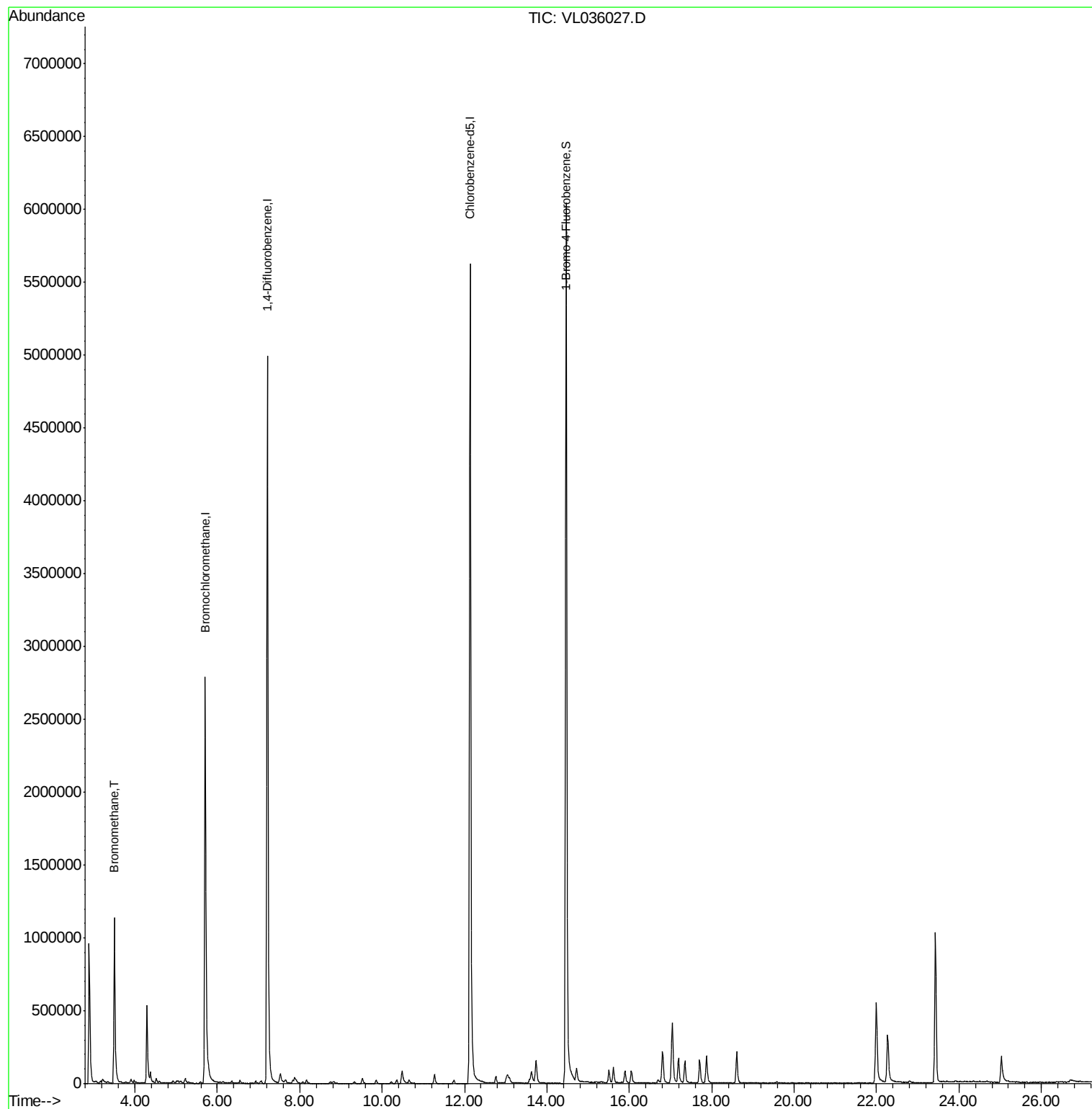
Target Compounds					Ovalue
2) Bromomethane	3.50	94	861880	10.846	ppbv 99

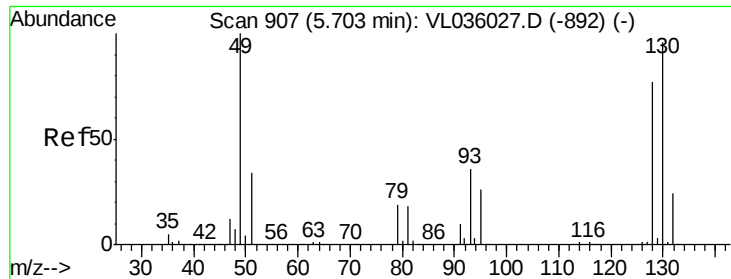
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.04 min

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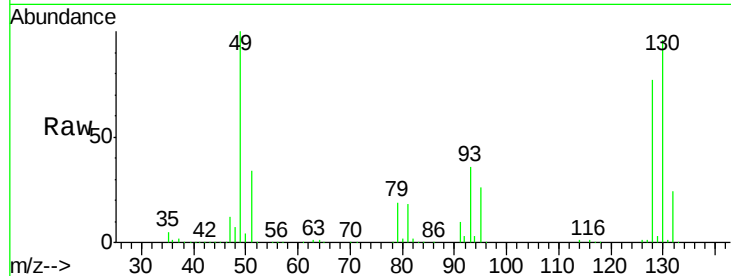
Tot Ion: 49 Resp: 1332345

Ion Ratio Lower Upper

49 100

128 76.1 41.5 124.6

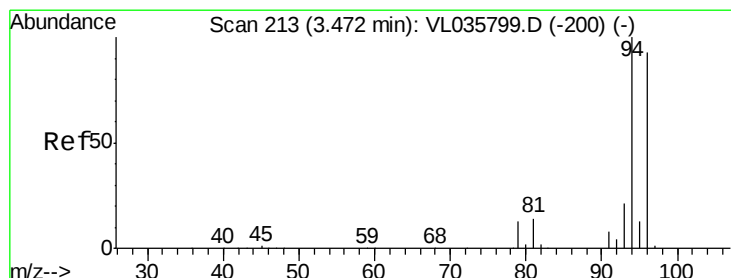
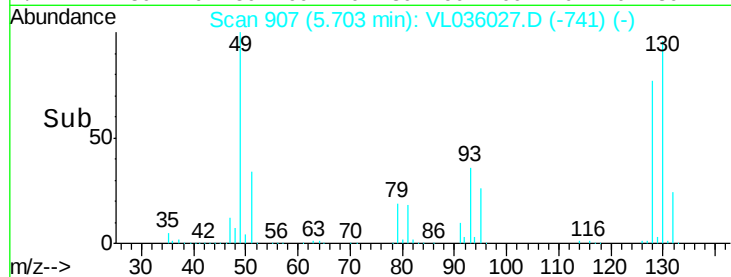
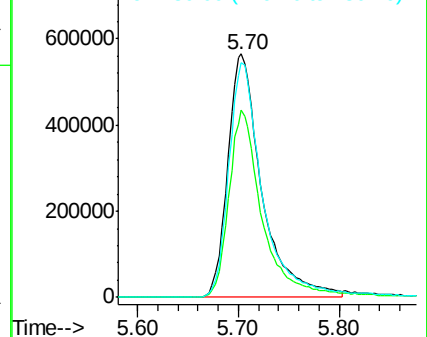
130 98.4 53.7 161.1



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



#2

Bromomethane

Concen: 10.846 ppbv

RT: 3.50 min Scan# 222

Delta R.T. 0.03 min

Lab File: VL036027.D

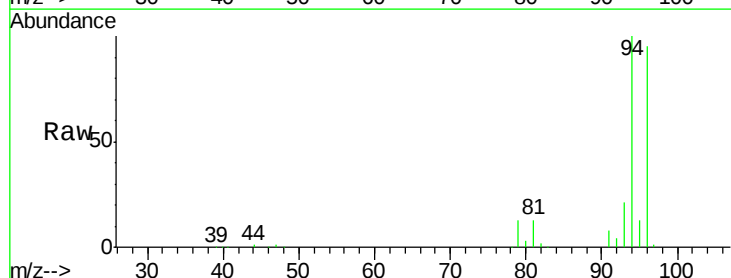
Acq: 30 Nov 2020 13:29

Tgt Ion: 94 Resp: 861880

Ion Ratio Lower Upper

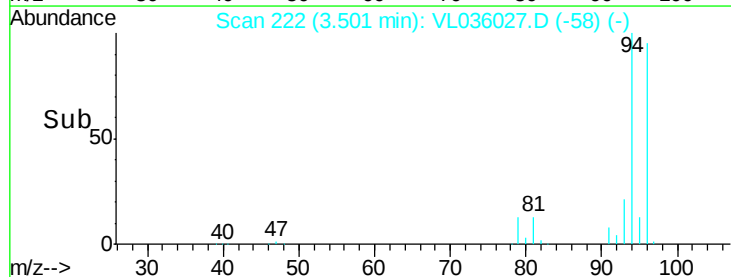
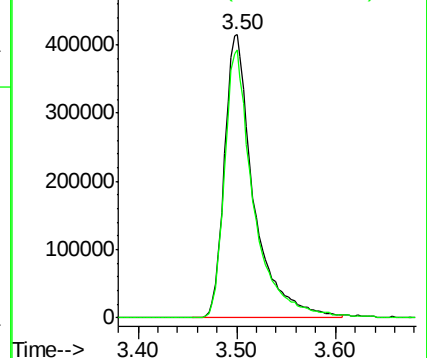
94 100

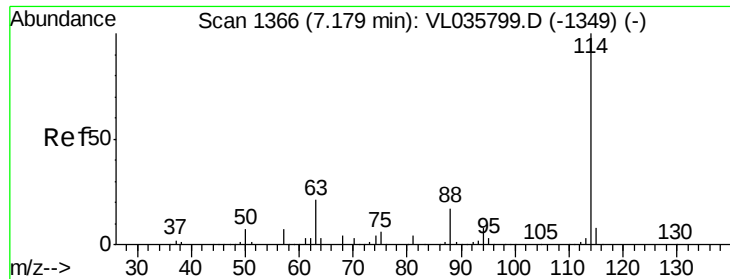
96 94.6 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#3

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1377

Delta R.T. 0.04 min

Lab File: VL036027.D

Acq: 30 Nov 2020 13:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

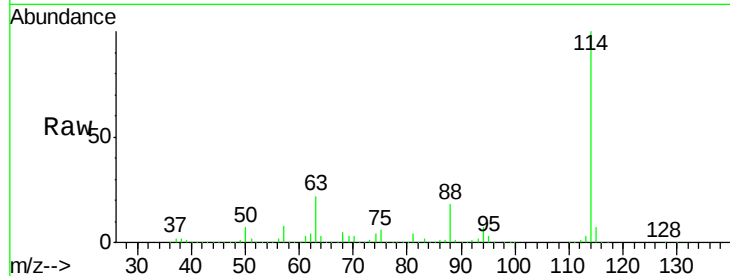
Tot Ion:114 Resp: 4715400

Ion Ratio Lower Upper

114 100

63 20.7 16.1 24.1

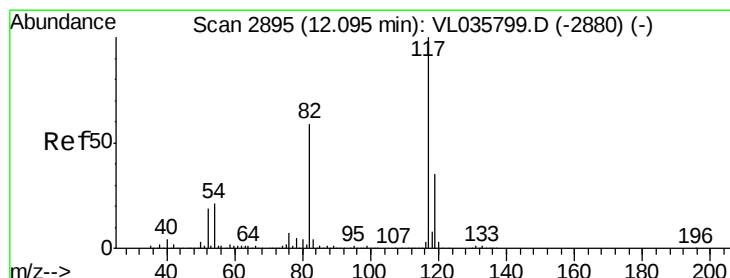
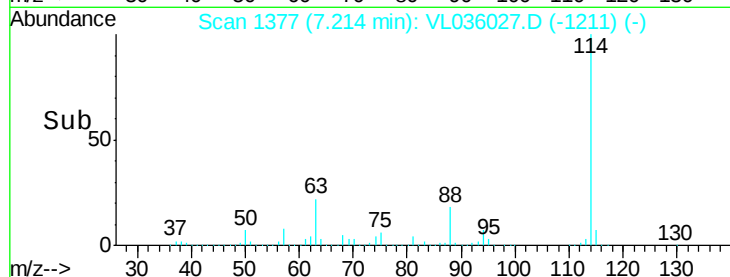
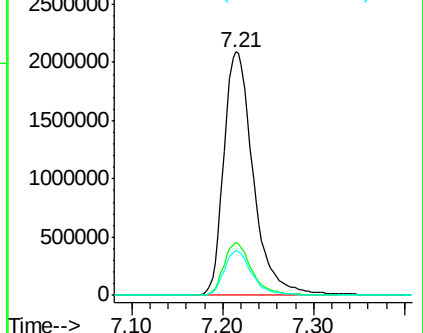
88 17.5 13.7 20.5



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



#4

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.04 min

Lab File: VL036027.D

Acq: 30 Nov 2020 13:29

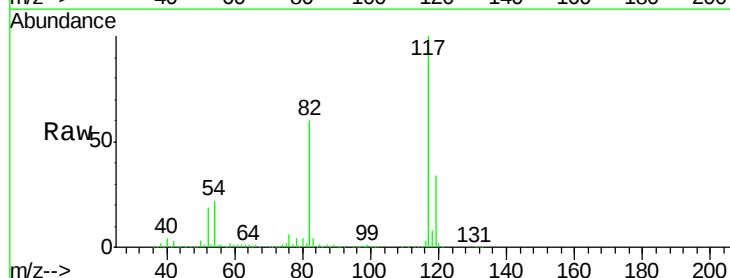
Tgt Ion:117 Resp: 4351548

Ion Ratio Lower Upper

117 100

82 60.8 50.6 76.0

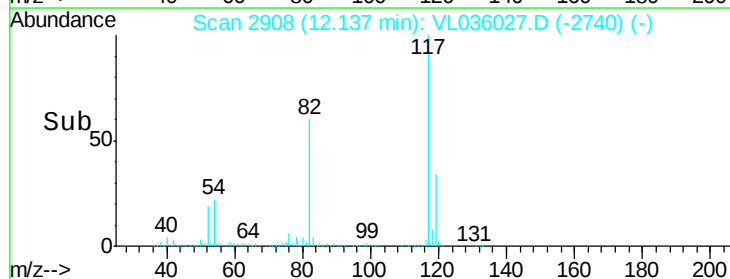
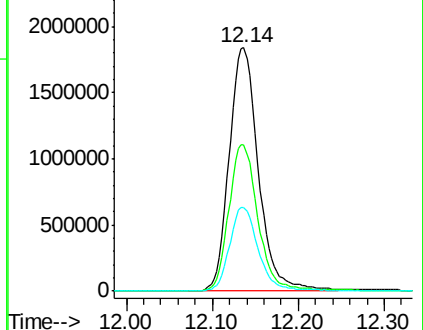
119 34.4 52.6 78.8#

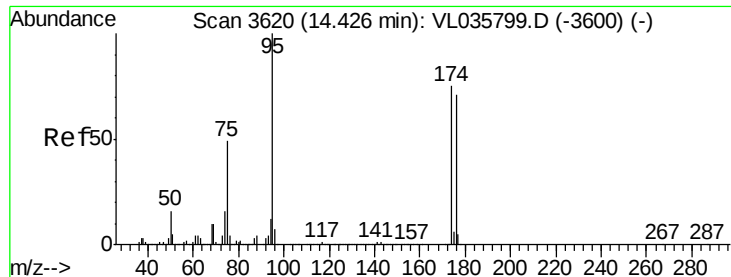


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



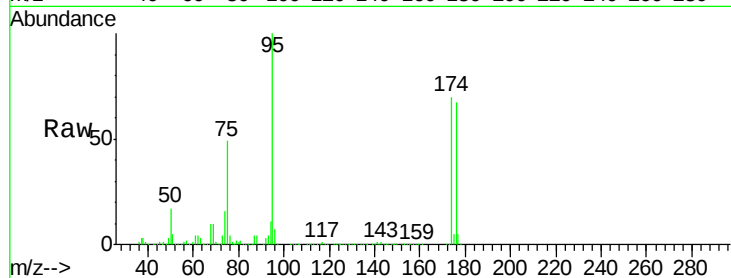


#5
 1-Bromo-4-Fluorobenzene
 Concen: 10.784 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. 0.04 min
 Lab File: VL036027.D
 Acq: 30 Nov 2020 13:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 95 Resp: 3334192

Ion	Ratio	Lower	Upper
95	100		
174	70.2	59.8	89.6
175	5.0	4.3	6.5



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

