

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113020\
 Data File : VL036040.D
 Acq On : 1 Dec 2020 00:56
 Operator : SY/AP
 Sample : L3510-01DL 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

Quant Time: Dec 01 05:25:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL113020BRAIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Nov 30 16:37:42 2020
 QLast Update : Mon Nov 30 16:37:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1188430	10.00	ppbv	0.00
3) 1,4-Difluorobenzene	7.22	114	4082349	10.00	ppbv	0.00
4) Chlorobenzene-d5	12.14	117	3807648	10.00	ppbv	0.00

System Monitoring Compounds

5) 1-Bromo-4-Fluorobenzene	14.46	95	3124168	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

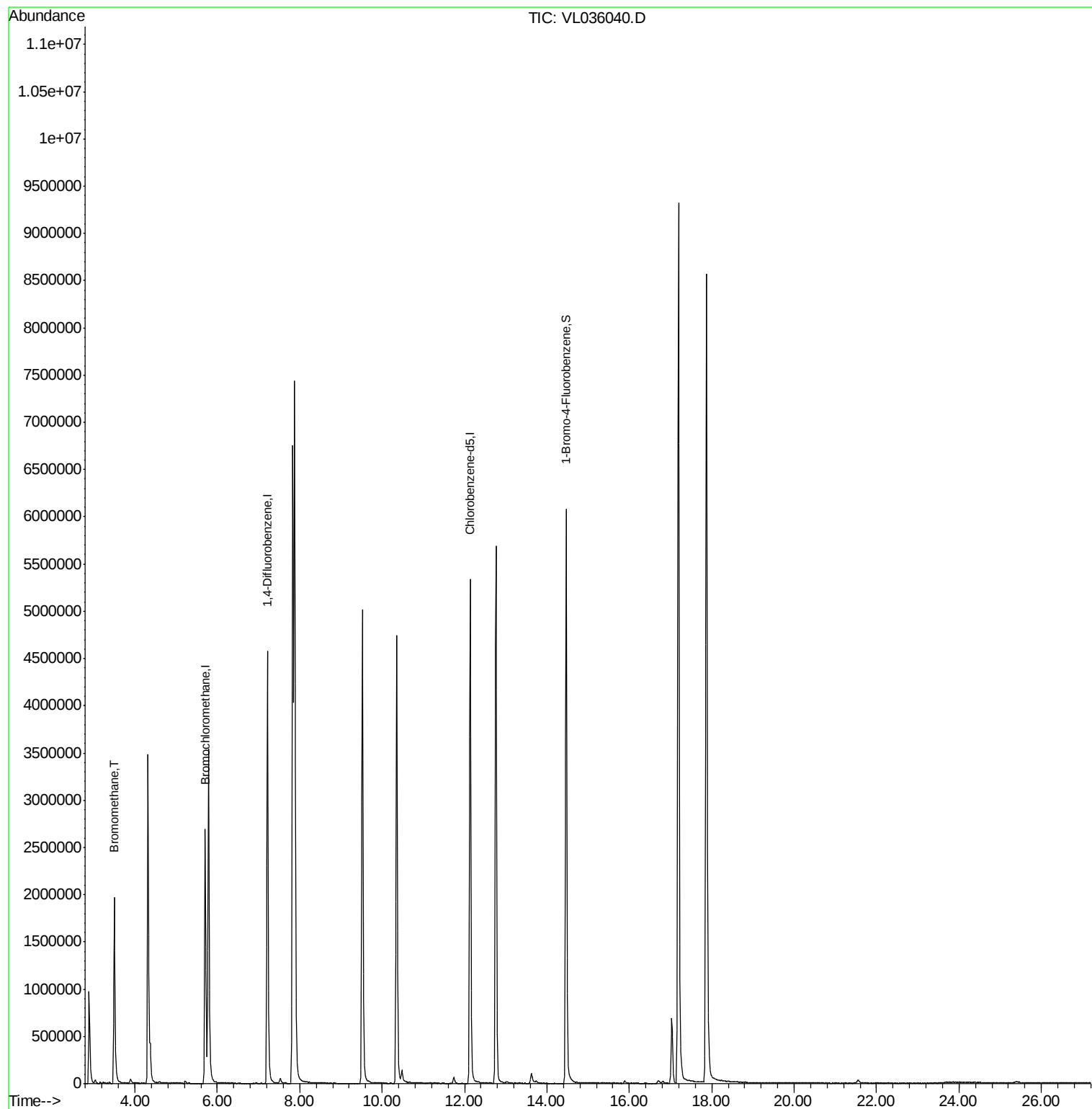
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Bromomethane	3.50	94	1464161	18.566	ppbv	99

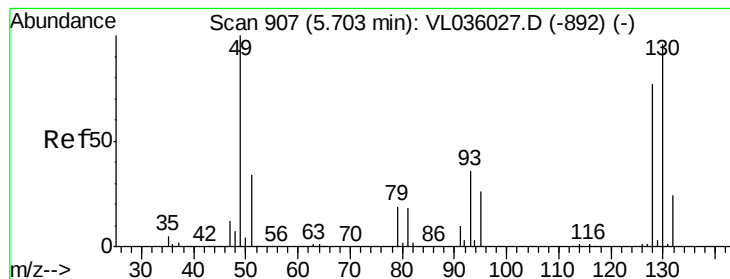
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.00 min

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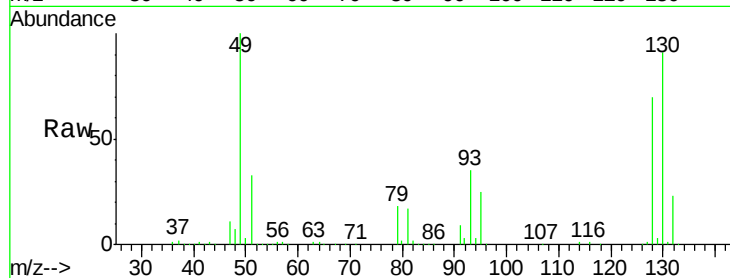
Tot Ion: 49 Resp: 1188430

Ion Ratio Lower Upper

49 100

128 75.7 38.0 114.1

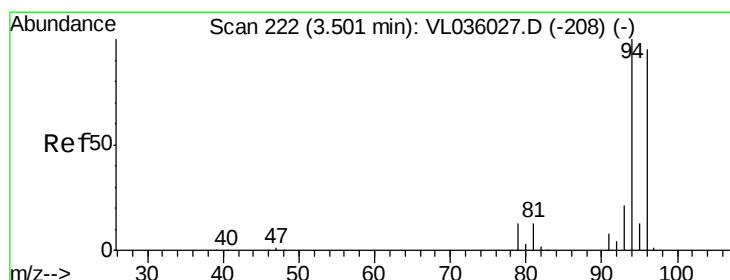
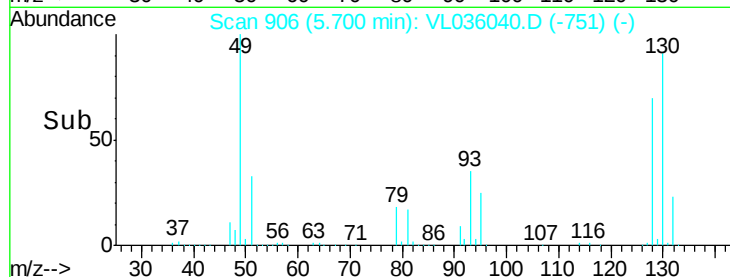
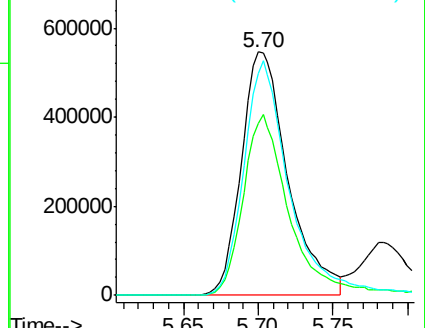
130 96.8 49.2 147.6



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: 18.566 ppbv

RT: 3.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL036040.D

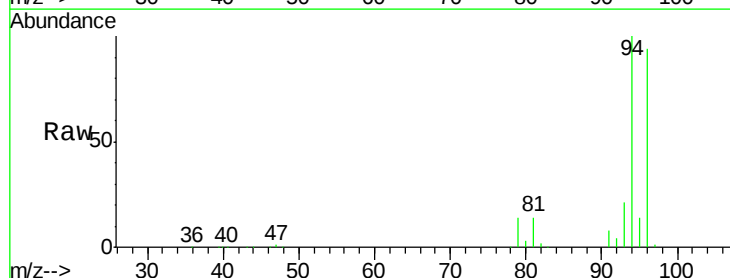
Acq: 1 Dec 2020 00:56

Tgt Ion: 94 Resp: 1464161

Ion Ratio Lower Upper

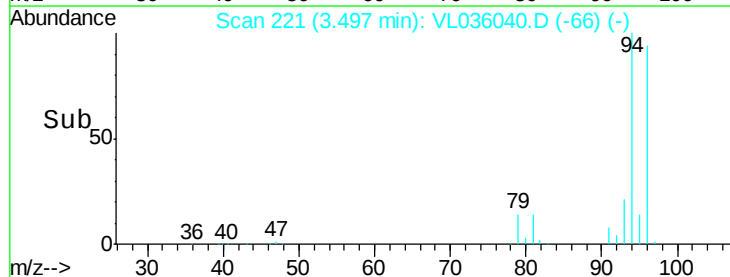
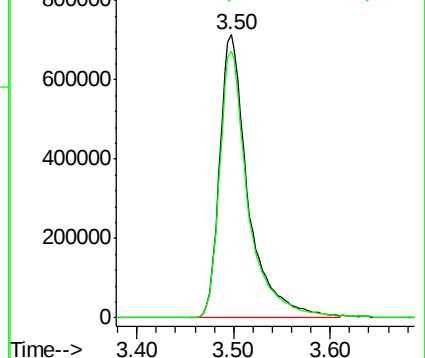
94 100

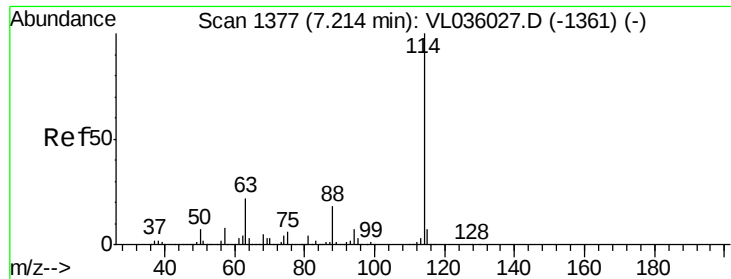
96 94.1 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

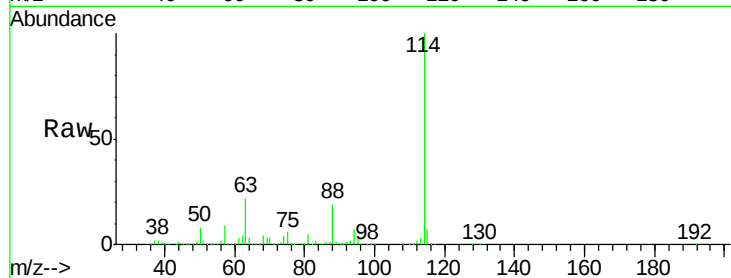




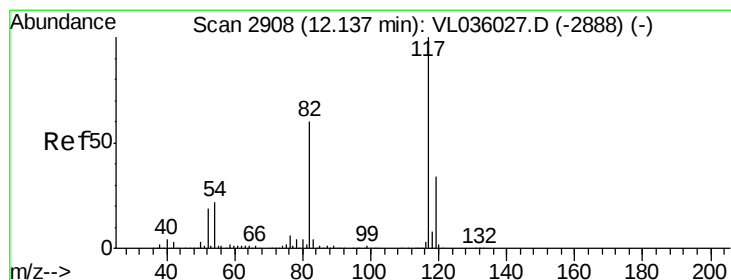
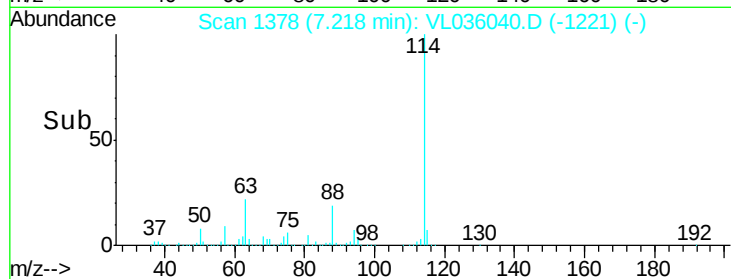
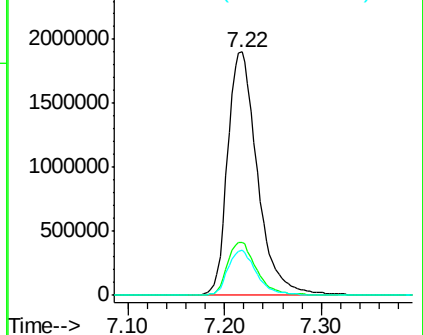
#3
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VL036040.D
 Acq: 1 Dec 2020 00:56

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

Tot Ion:114 Resp: 4082349
 Ion Ratio Lower Upper
 114 100
 63 21.5 16.6 24.8
 88 17.9 14.0 21.0

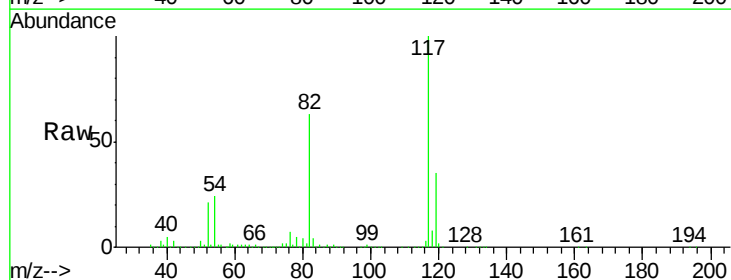


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

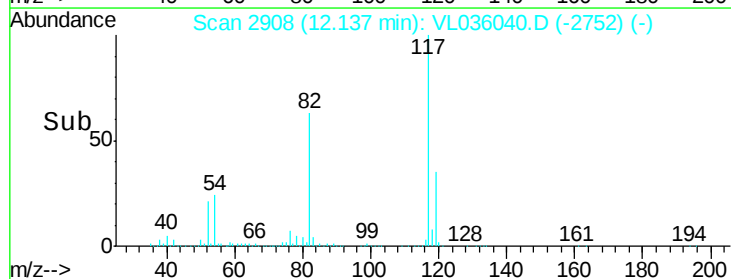
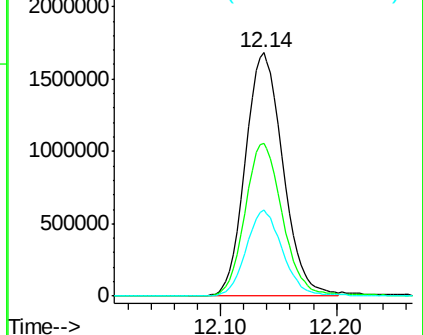


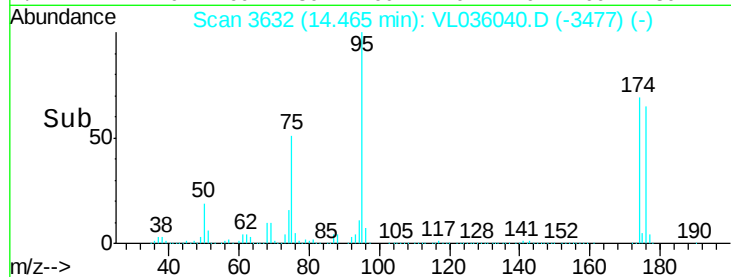
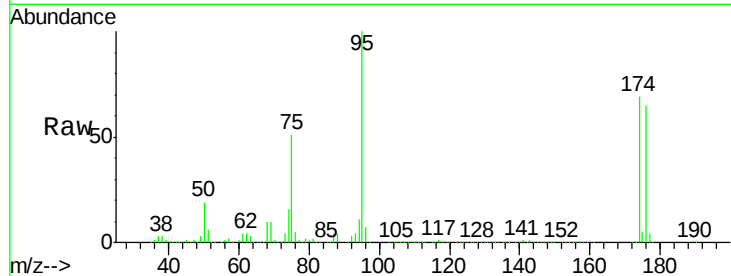
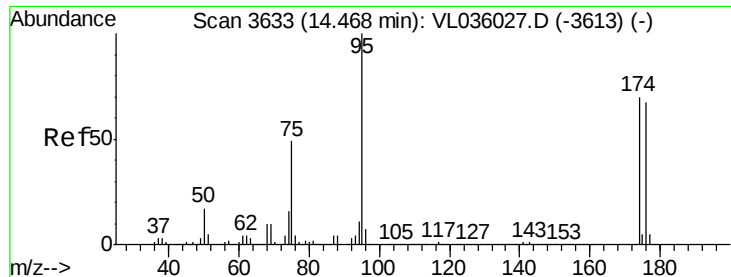
#4
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T. 0.00 min
 Lab File: VL036040.D
 Acq: 1 Dec 2020 00:56

Tgt Ion:117 Resp: 3807648
 Ion Ratio Lower Upper
 117 100
 82 63.4 48.6 73.0
 119 34.3 27.5 41.3



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: 10.685 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VL036040.D

Acq: 1 Dec 2020 00:56

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

Tot Ion: 95 Resp: 3124168

Ion Ratio Lower Upper

95 100

174 69.2 56.2 84.2

175 4.9 4.0 6.0

