

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113020\
 Data File : VL036030.D
 Acq On : 30 Nov 2020 15:24
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Nov 30 16:16:50 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 16:15:04 2020
 QLast Update : Mon Nov 30 16:15:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1211833	10.00	ppbv	0.00
3) 1,4-Difluorobenzene	7.22	114	4148236	10.00	ppbv	0.00
4) Chlorobenzene-d5	12.14	117	3817295	10.00	ppbv	0.00

System Monitoring Compounds

5) 1-Bromo-4-Fluorobenzene	14.47	95	2888369	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

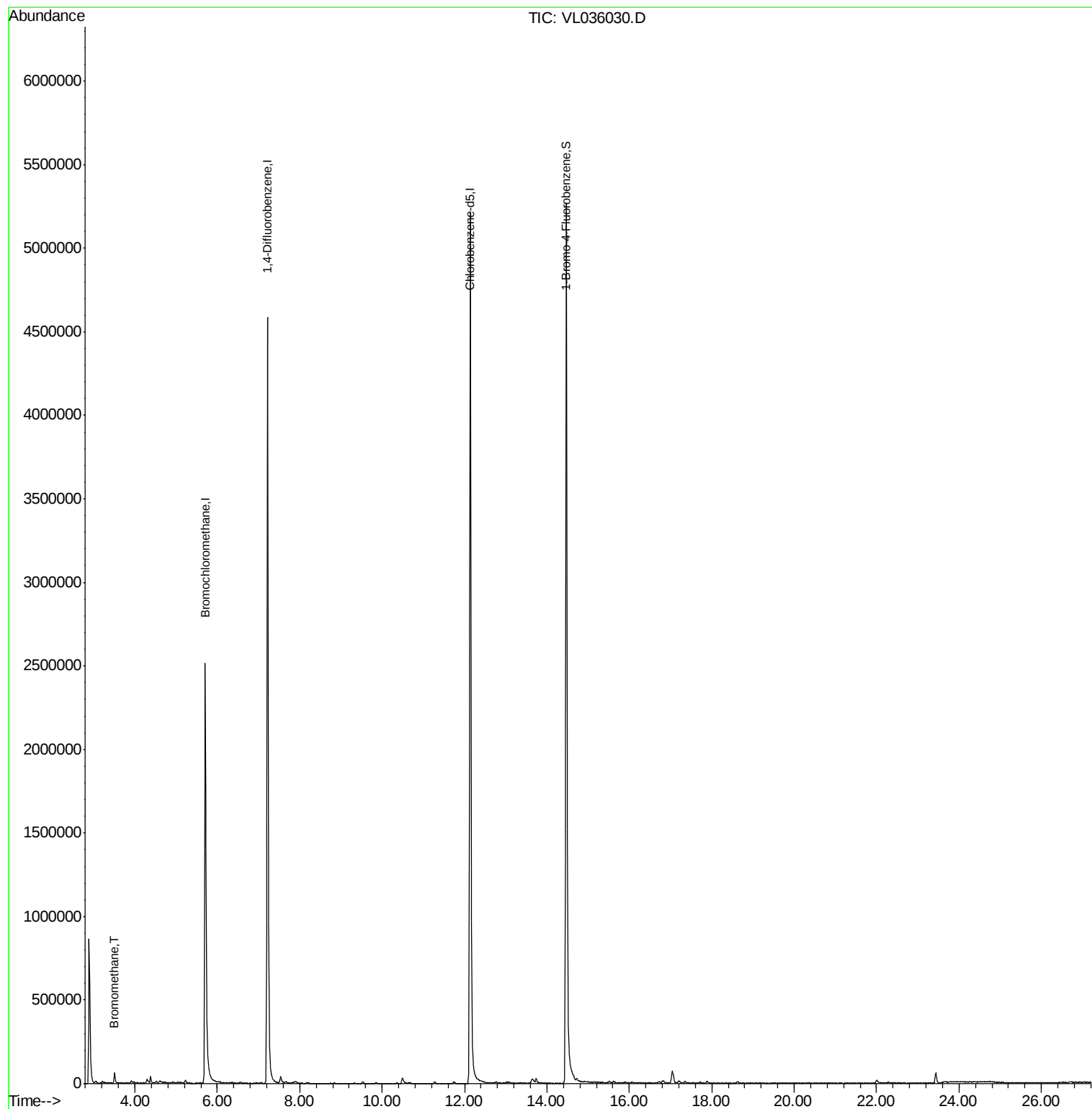
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Bromomethane	3.50	94	40361	0.558	ppbv	98

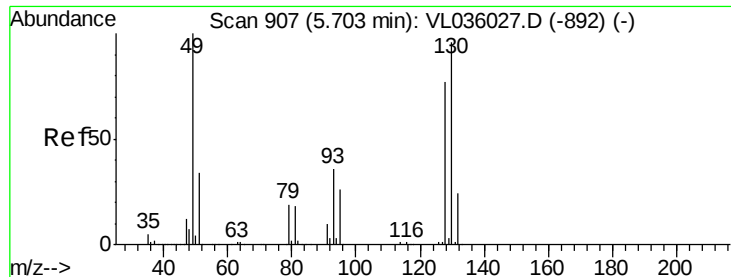
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.01 min

Lab File: VL036030.D

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MSVOA_L

ClientSampleId :

VSTDIC0.5

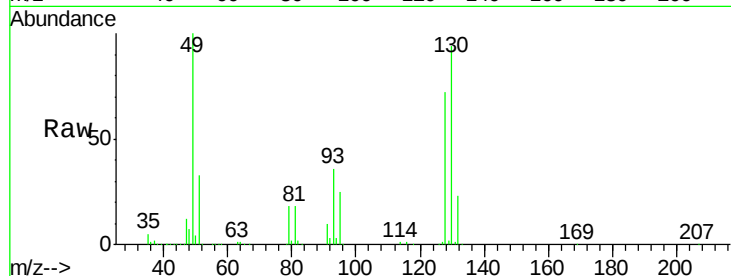
Tot Ion: 49 Resp: 1211833

Ion Ratio Lower Upper

49 100

128 75.6 38.0 114.1

130 96.7 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

Time-->

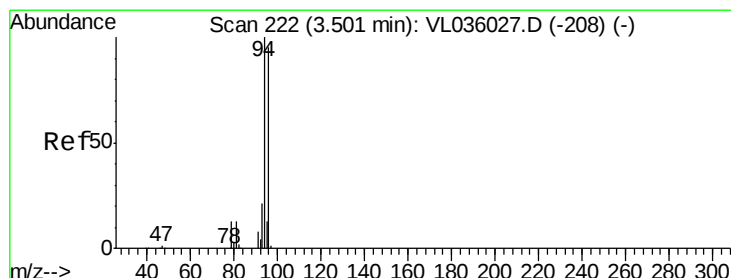
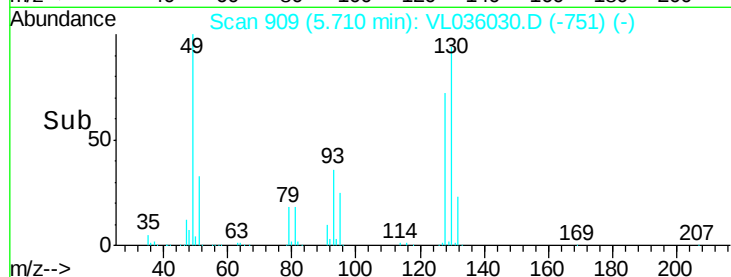
5.60 5.65 5.70 5.75 5.80

5.71

400000

200000

0



#2

Bromomethane

Concen: 0.558 ppbv

RT: 3.50 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL036030.D

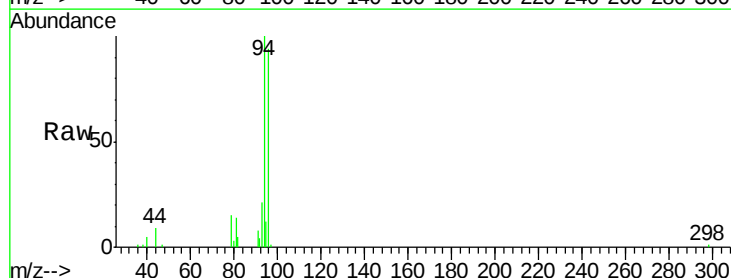
Acq: 30 Nov 2020 15:24

Tgt Ion: 94 Resp: 40361

Ion Ratio Lower Upper

94 100

96 92.6 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

Time-->

3.45 3.50 3.55

3.50

25000

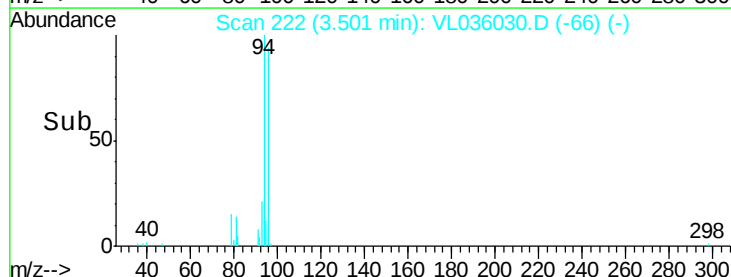
20000

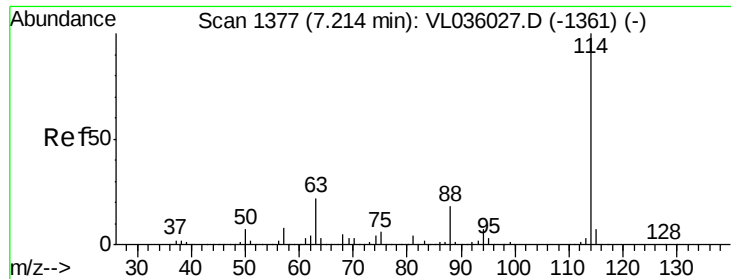
15000

10000

5000

0





#3

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VL036030.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

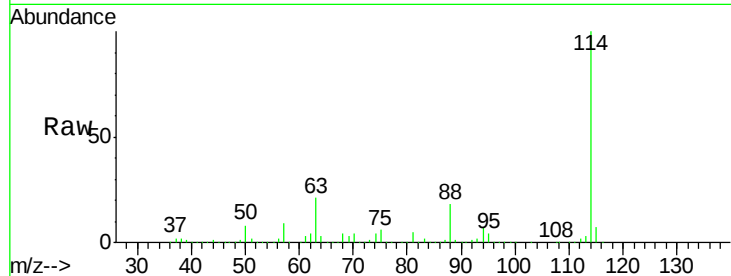
Tot Ion:114 Resp: 4148236

Ion Ratio Lower Upper

114 100

63 21.3 16.6 24.8

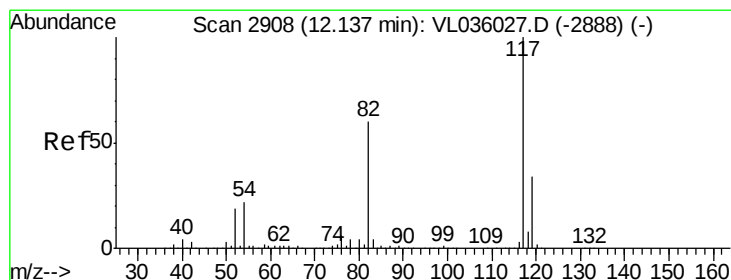
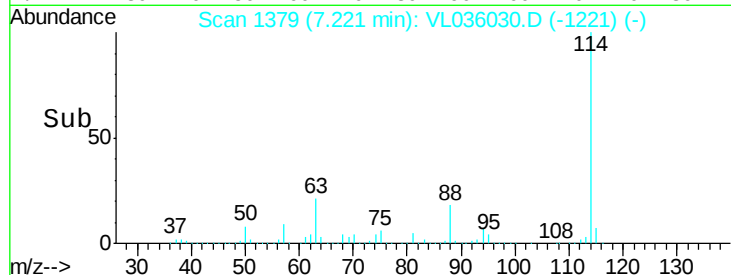
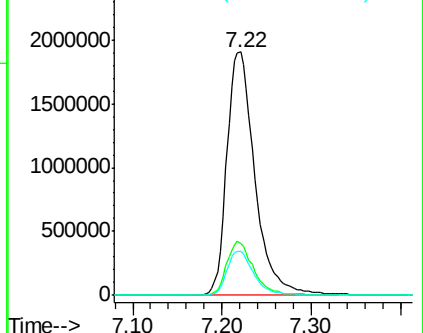
88 17.7 14.0 21.0



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# 2909

Delta R.T. 0.00 min

Lab File: VL036030.D

Acq: 30 Nov 2020 15:24

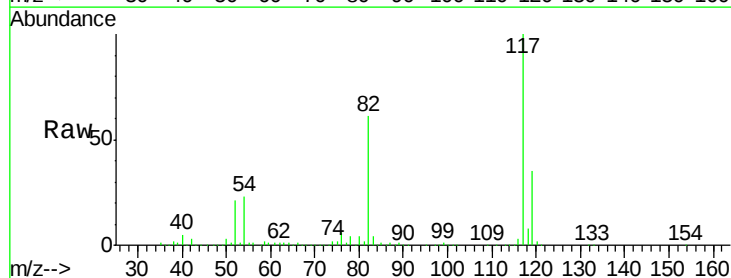
Tgt Ion:117 Resp: 3817295

Ion Ratio Lower Upper

117 100

82 62.3 48.6 73.0

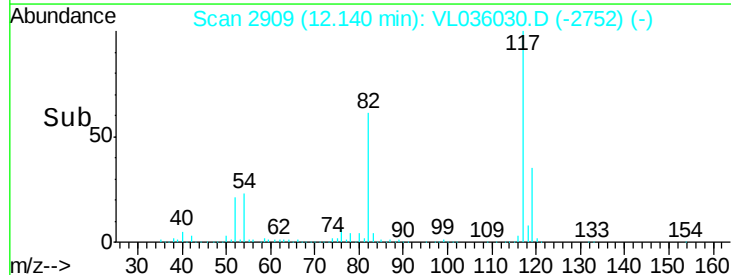
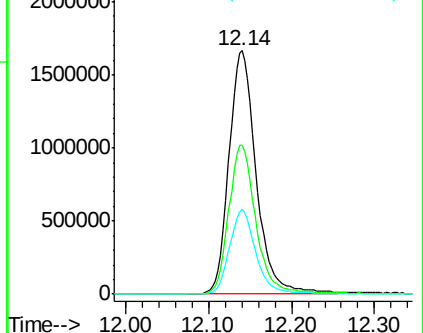
119 34.2 27.5 41.3

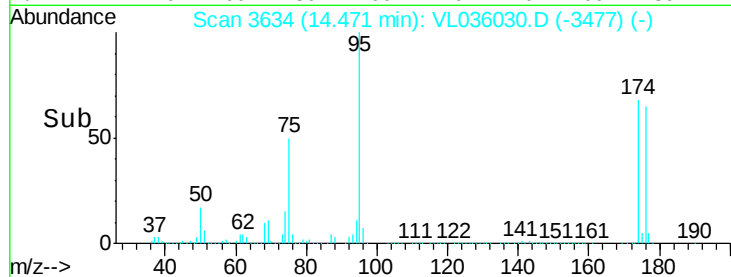
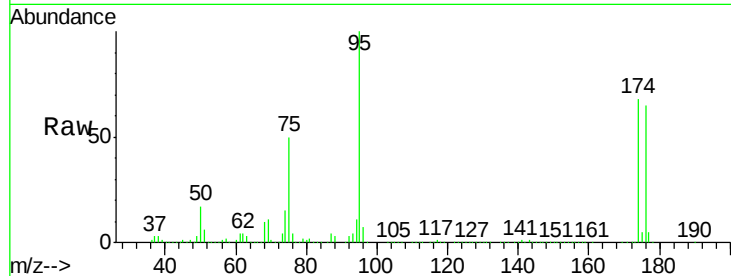
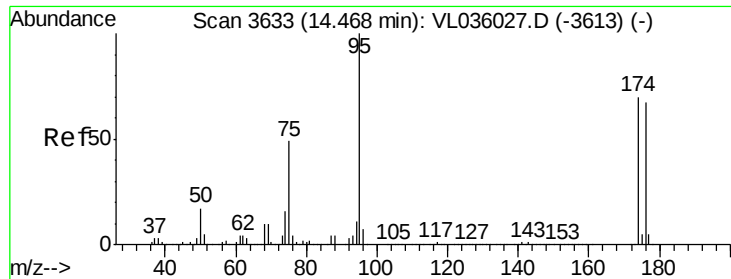


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#5

1-Bromo-4-Fluorobenzene

Concen: 10.650 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 95 Resp: 2888369

Ion Ratio Lower Upper

95 100

174 69.7 56.2 84.2

175 4.9 4.0 6.0

