

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113020\
 Data File : VL036041.D
 Acq On : 1 Dec 2020 1:35
 Operator : SY/AP
 Sample : L3510-01DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

Quant Time: Dec 01 05:25:33 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	1169174	10.00	ppbv	0.00
3) 1,4-Difluorobenzene	7.21	114	4031259	10.00	ppbv	0.00
4) Chlorobenzene-d5	12.13	117	3781053	10.00	ppbv	0.00

System Monitoring Compounds

5) 1-Bromo-4-Fluorobenzene	14.46	95	3047522	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

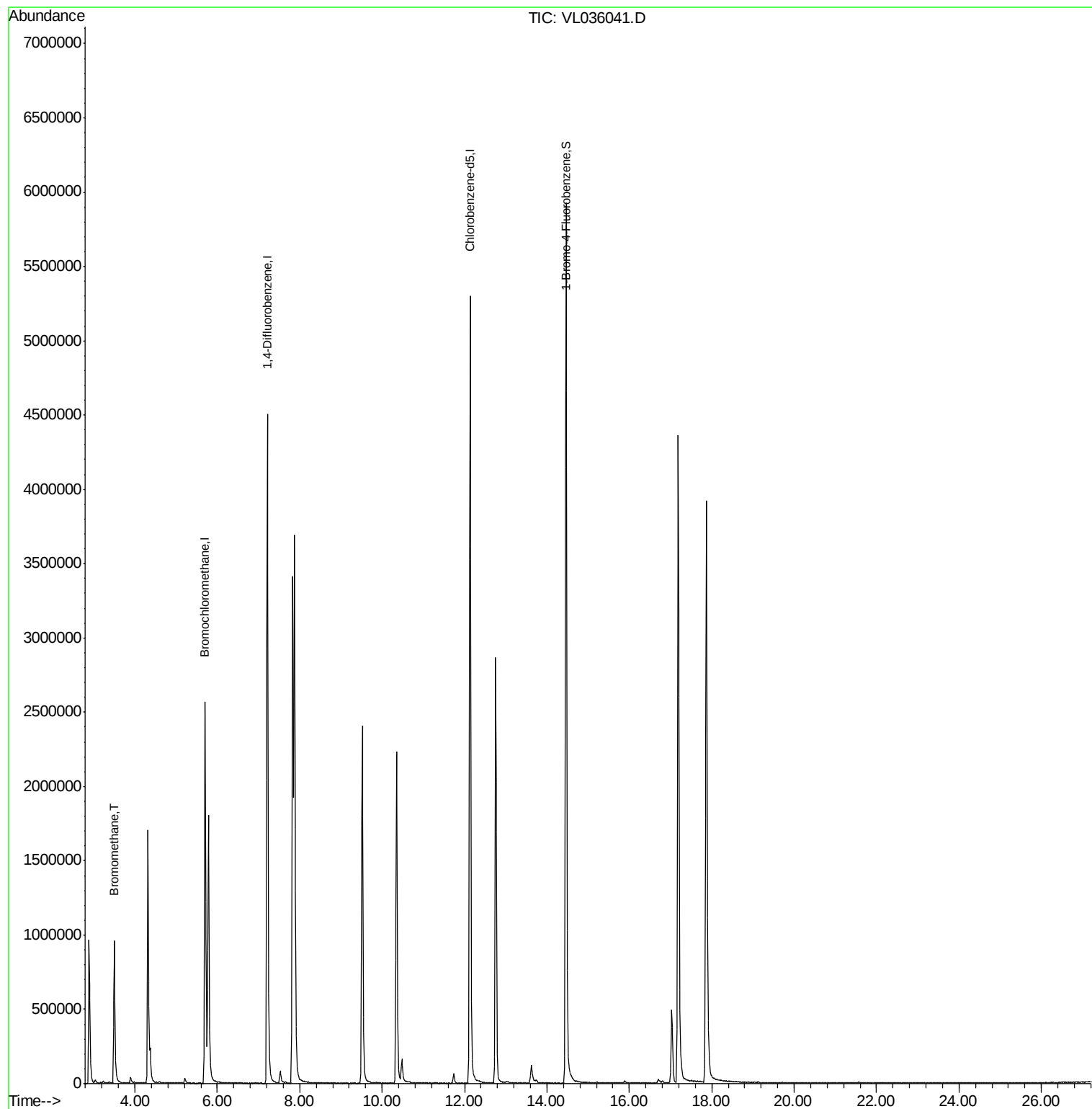
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Bromomethane	3.49	94	695973	8.971	ppbv	98

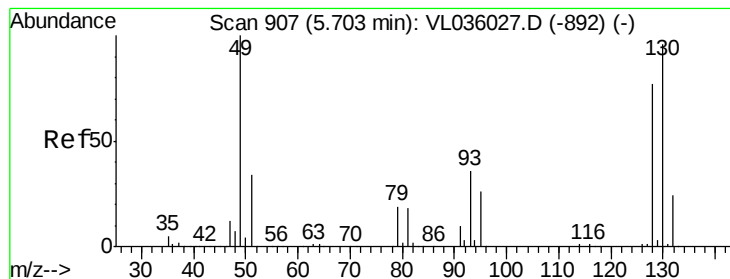
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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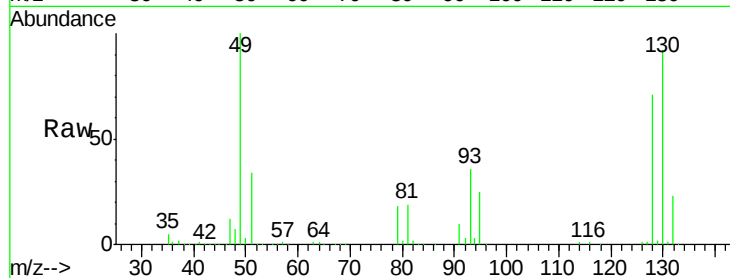
Tot Ion: 49 Resp: 1169174

Ion Ratio Lower Upper

49 100

128 75.3 38.0 114.1

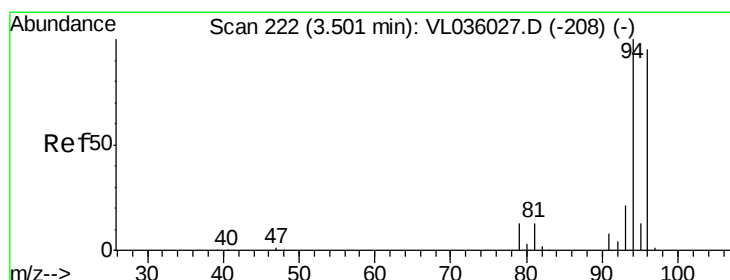
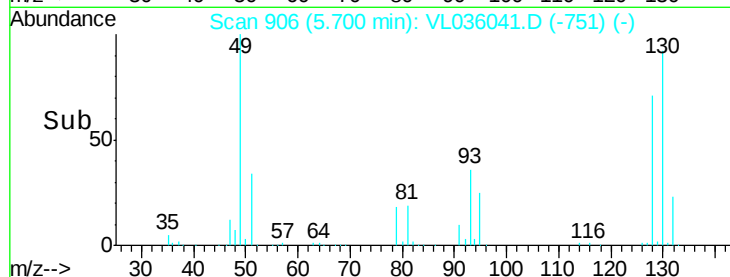
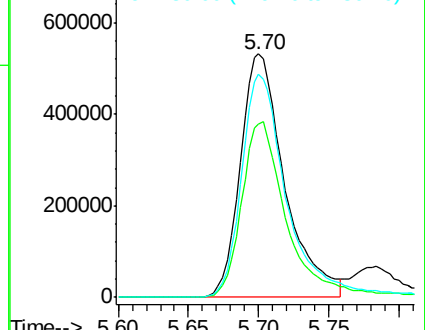
130 96.2 49.2 147.6



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: 8.971 ppbv

RT: 3.49 min Scan# 220

Delta R.T. -0.01 min

Lab File: VL036041.D

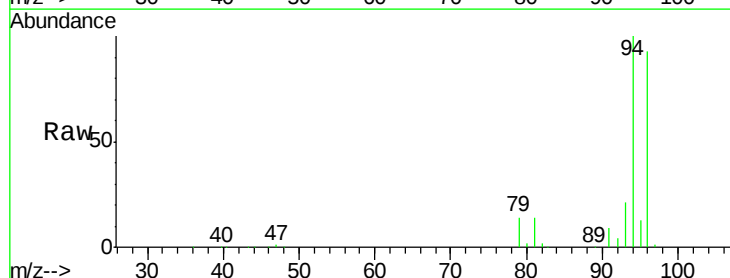
Acq: 1 Dec 2020 1:35

Tgt Ion: 94 Resp: 695973

Ion Ratio Lower Upper

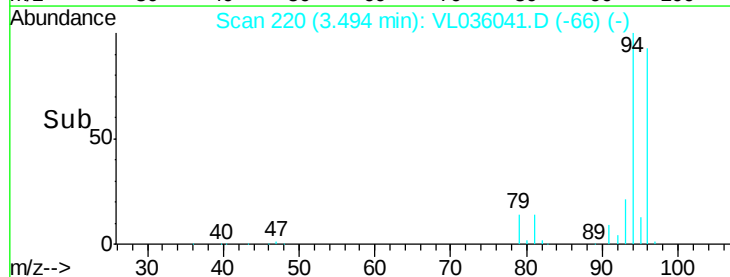
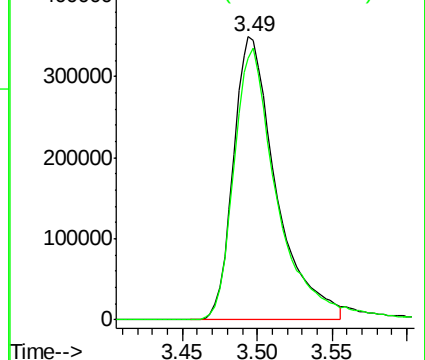
94 100

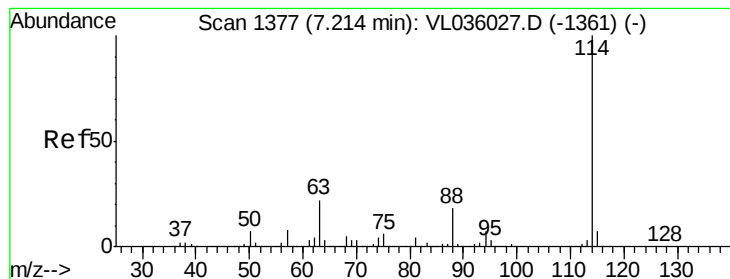
96 92.5 75.7 113.5



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: 7.21 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VL036041.D

Acq: 1 Dec 2020 1:35

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

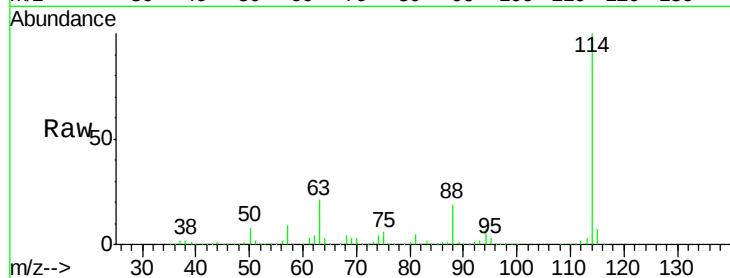
Tot Ion:114 Resp: 4031259

Ion Ratio Lower Upper

114 100

63 21.6 16.6 24.8

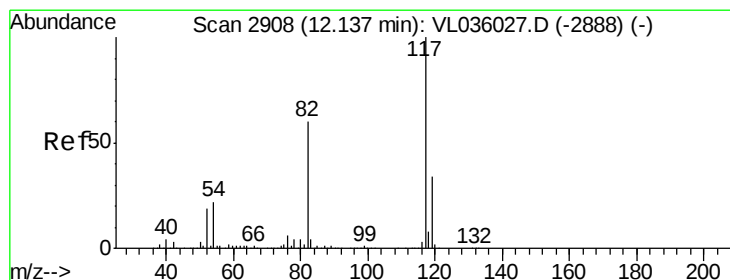
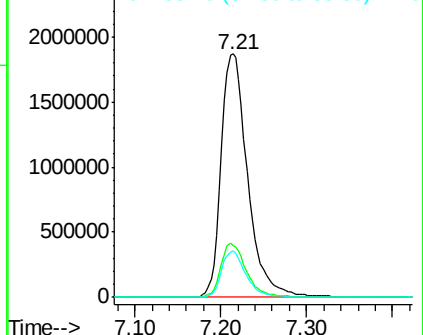
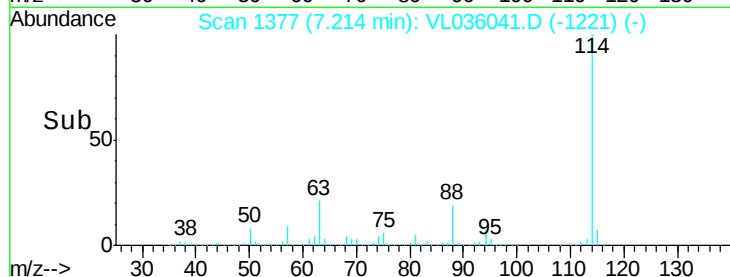
88 17.9 14.0 21.0



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: 12.13 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL036041.D

Acq: 1 Dec 2020 1:35

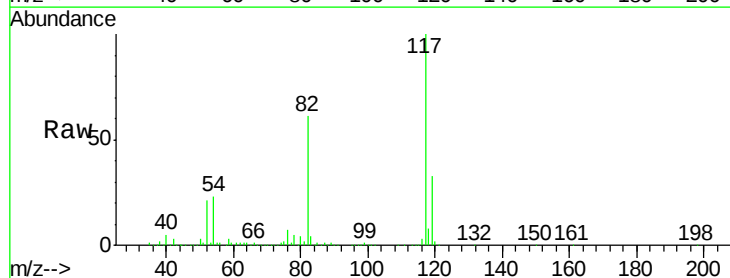
Tgt Ion:117 Resp: 3781053

Ion Ratio Lower Upper

117 100

82 62.8 48.6 73.0

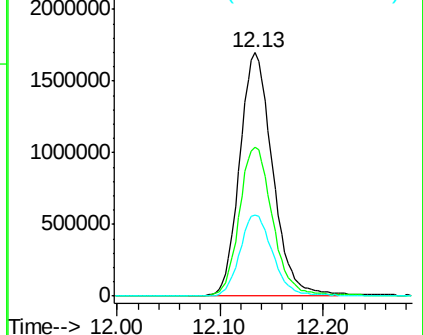
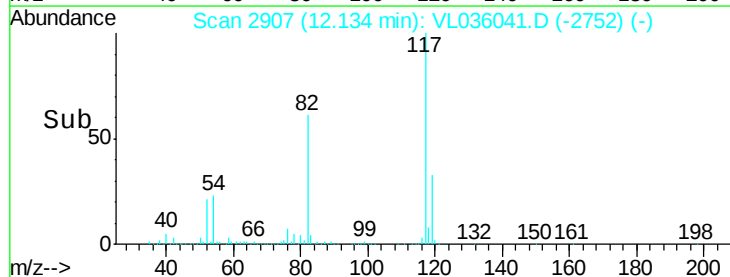
119 33.9 27.5 41.3

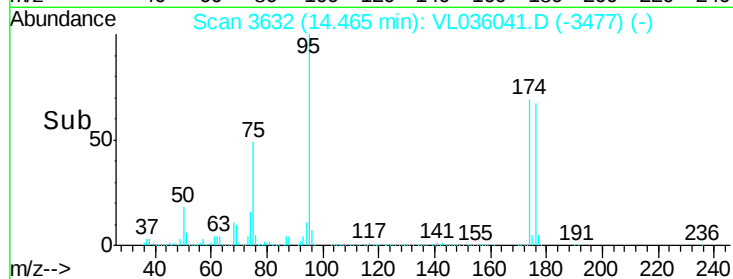
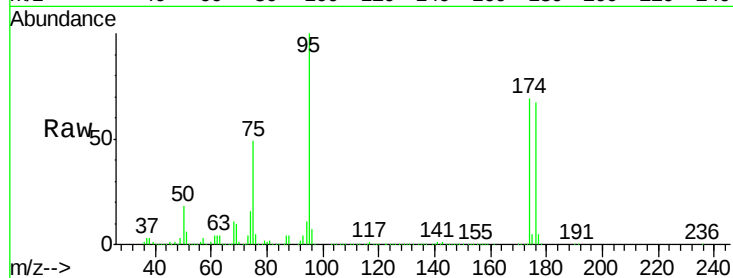
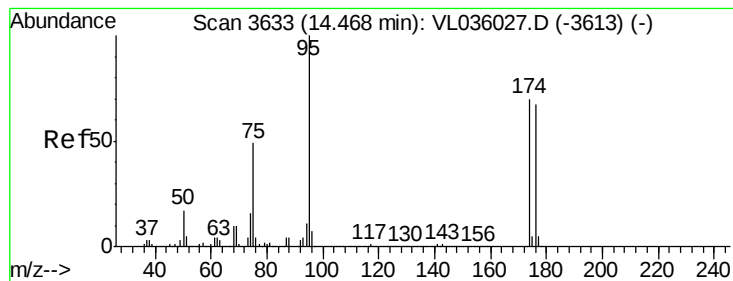


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#5

1-Bromo-4-Fluorobenzene

Concen: 10.496 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VL036041.D

Acq: 1 Dec 2020 1:35

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

Tot Ion: 95 Resp: 3047522

Ion Ratio Lower Upper

95 100

174 68.7 56.2 84.2

175 4.9 4.0 6.0

