

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113020\
Data File : VL036028.D
Acq On : 30 Nov 2020 14:10
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Nov 30 16:15:57 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	1318824	10.00	ppbv	0.00
3) 1,4-Difluorobenzene	7.22	114	4584518	10.00	ppbv	0.00
4) Chlorobenzene-d5	12.14	117	4226830	10.00	ppbv	0.00

System Monitoring Compounds

5) 1-Bromo-4-Fluorobenzene	14.47	95	3218865	10.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

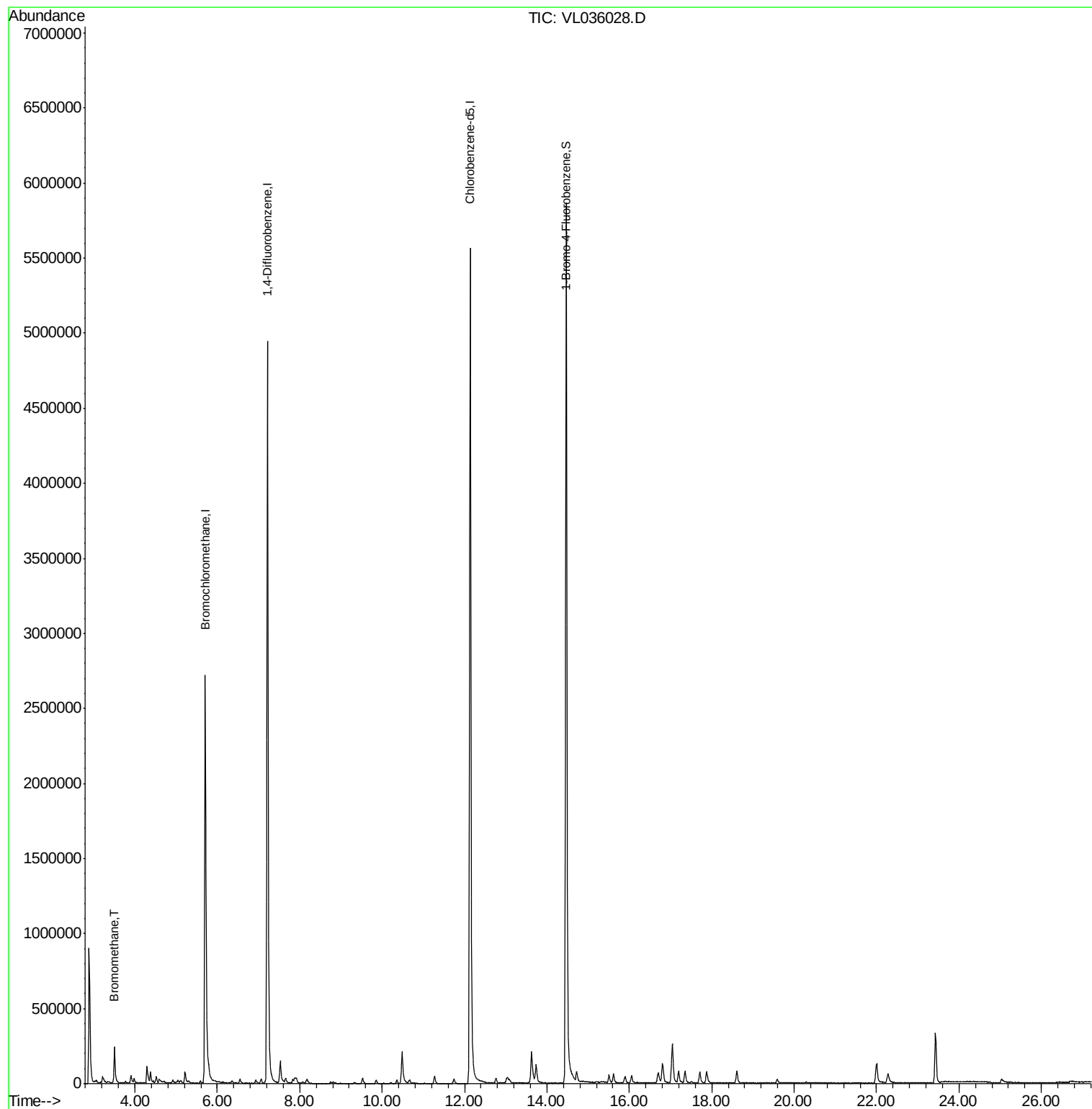
Target Compounds					Ovalue
2) Bromomethane	3.50	94	181317	2.305	ppbv 98

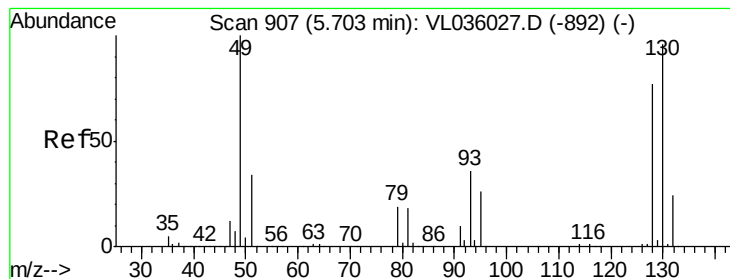
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL113020\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC002

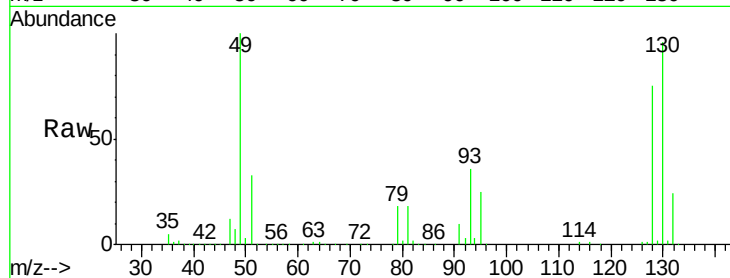
Tot Ion: 49 Resp: 1318824

Ion Ratio Lower Upper

49 100

128 76.2 38.0 114.1

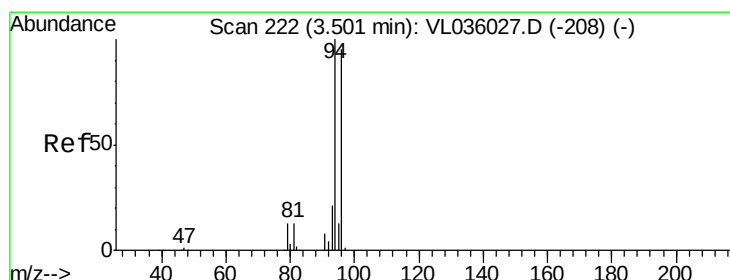
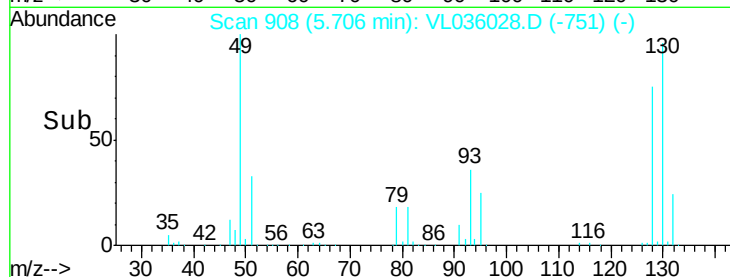
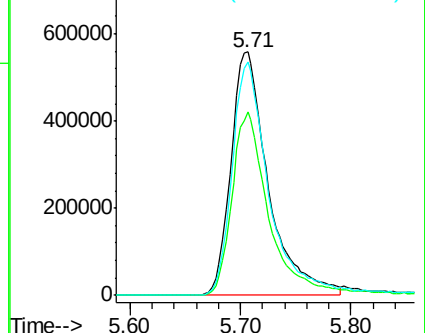
130 97.4 49.2 147.6



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: 2.305 ppbv

RT: 3.50 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL036028.D

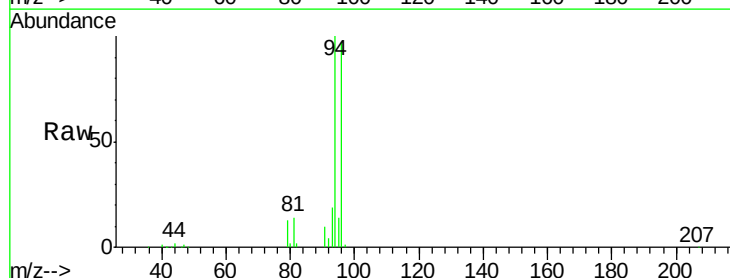
Acq: 30 Nov 2020 14:10

Tgt Ion: 94 Resp: 181317

Ion Ratio Lower Upper

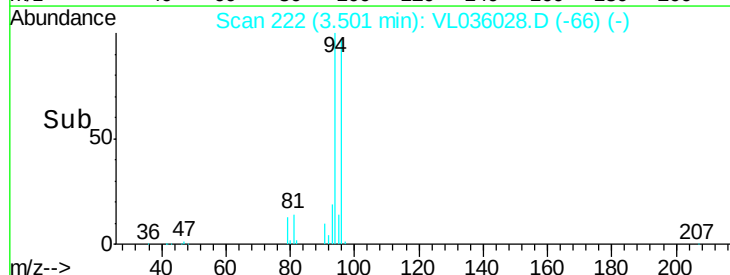
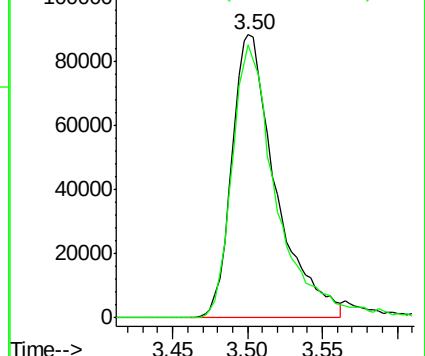
94 100

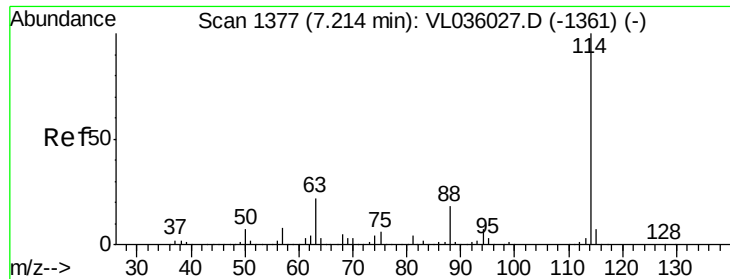
96 96.6 75.7 113.5



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

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Acq: 30 Nov 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

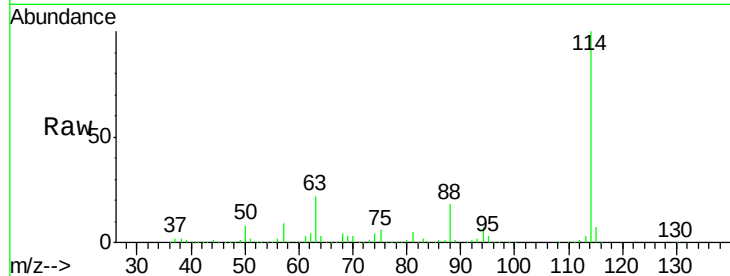
Tot Ion:114 Resp: 4584518

Ion Ratio Lower Upper

114 100

63 21.1 16.6 24.8

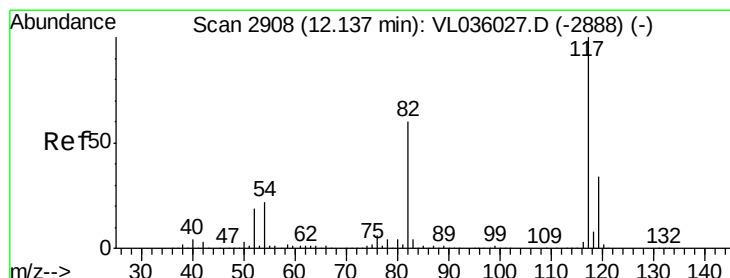
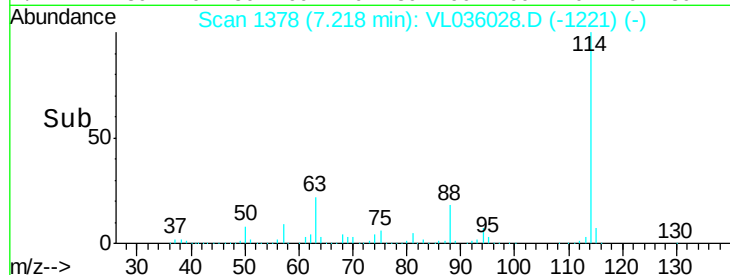
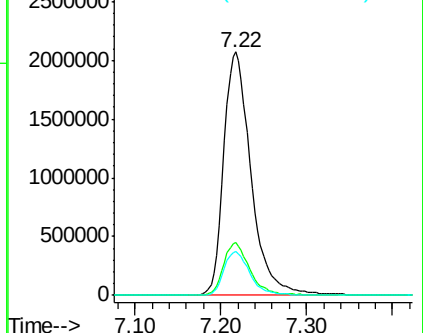
88 17.6 14.0 21.0



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: VL036028.D

Acq: 30 Nov 2020 14:10

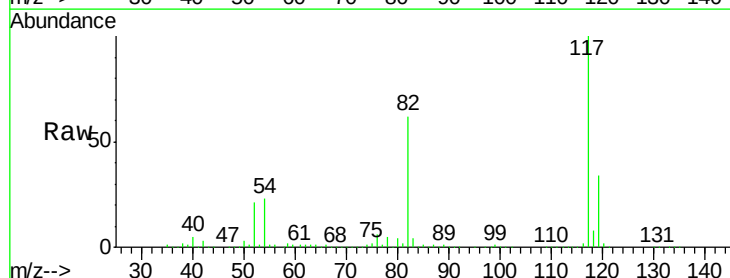
Tgt Ion:117 Resp: 4226830

Ion Ratio Lower Upper

117 100

82 61.0 48.6 73.0

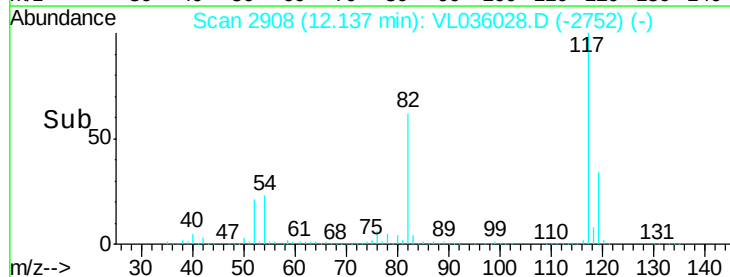
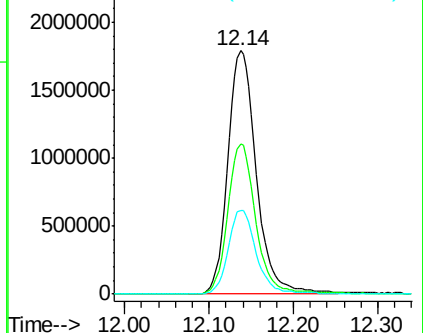
119 34.4 27.5 41.3

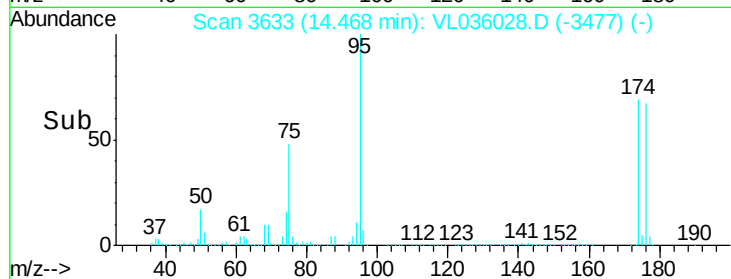
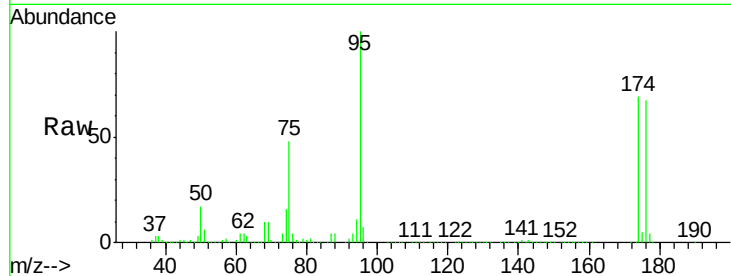
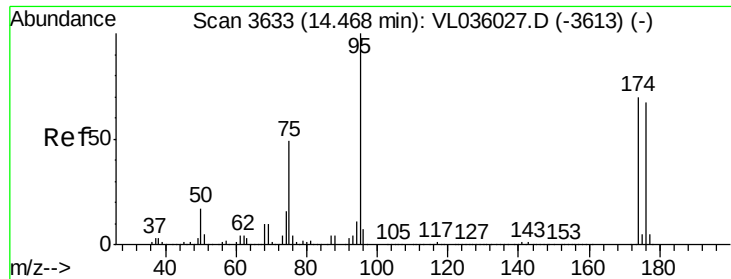


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#5

1-Bromo-4-Fluorobenzene

Concen: 10.719 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VL036028.D

Acq: 30 Nov 2020 14:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 95 Resp: 3218865

Ion Ratio Lower Upper

95 100

174 70.1 56.2 84.2

175 4.9 4.0 6.0

