

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113020\
Data File : VL036043.D
Acq On : 1 Dec 2020 9:23
Operator : SY/AP
Sample : L4536-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E054-1100

Quant Time: Dec 01 14:19:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL113020BRAIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1109392	10.00	ppbv	0.00
3) 1,4-Difluorobenzene	7.21	114	3948624	10.00	ppbv	0.00
4) Chlorobenzene-d5	12.13	117	3691136	10.00	ppbv	0.00

System Monitoring Compounds

5) 1-Bromo-4-Fluorobenzene	14.46	95	3291127	11.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	116.10%

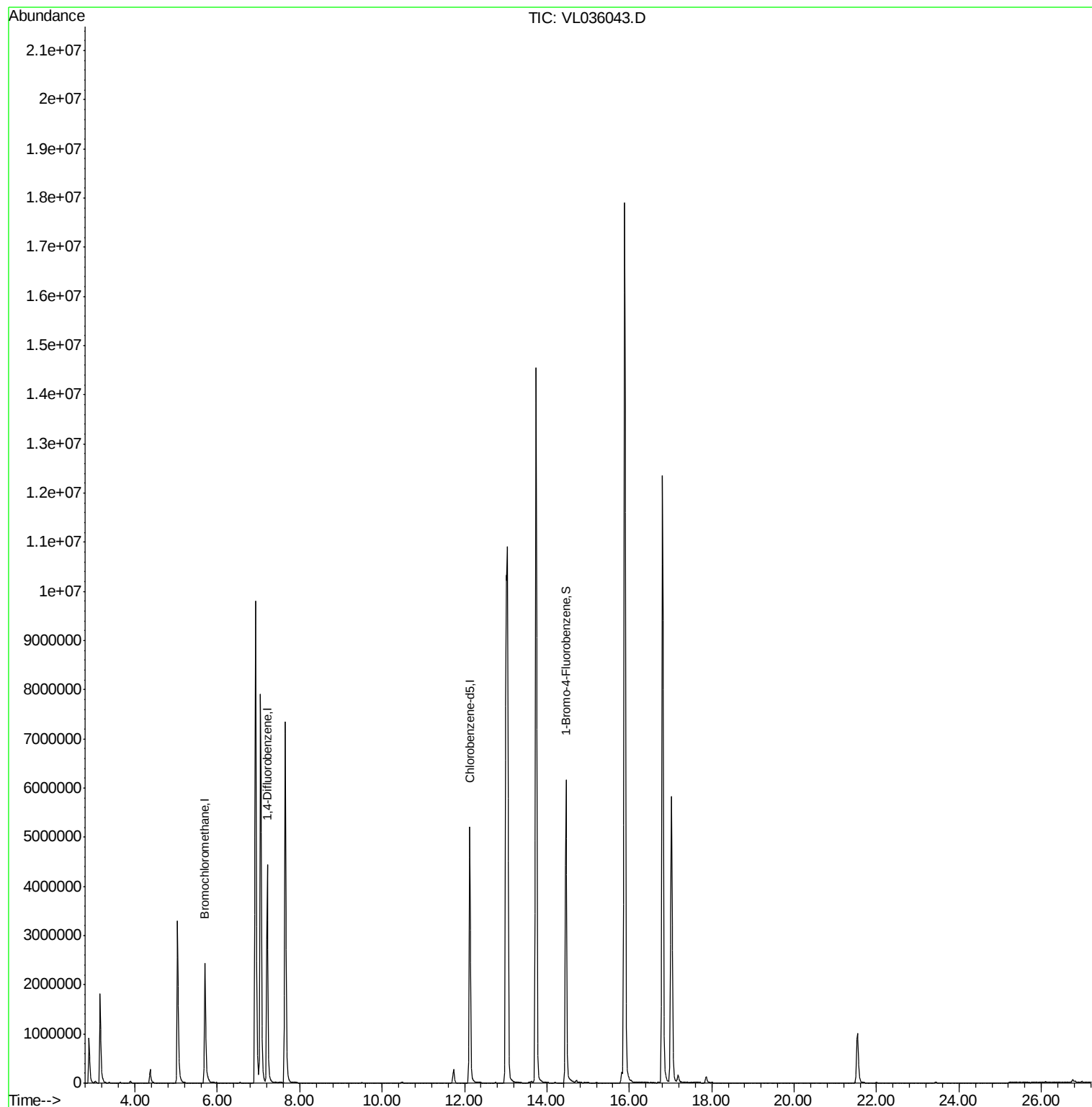
Target Compounds	Ovalue
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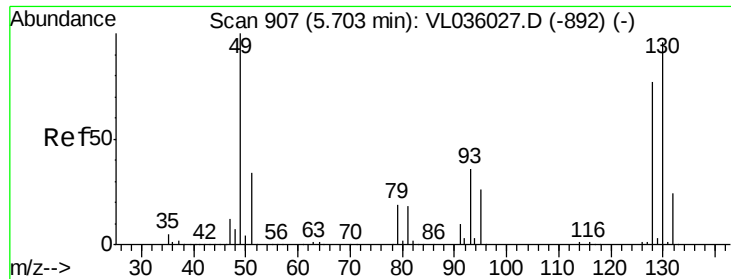
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL036043.D

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Instrument :

MSVOA_L

ClientSampleId :

E054-1100

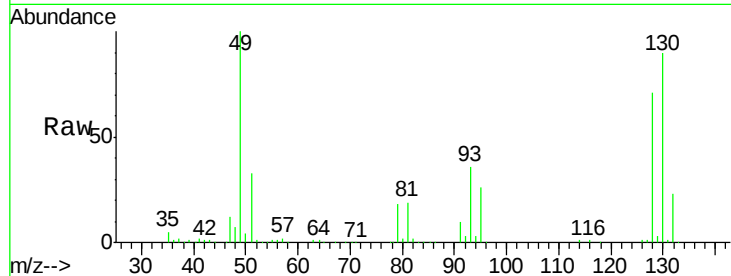
Tot Ion: 49 Resp: 1109392

Ion	Ratio	Lower	Upper
49	100		
128	74.2	38.0	114.1
130	94.9	49.2	147.6

49 100

128 74.2 38.0 114.1

130 94.9 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

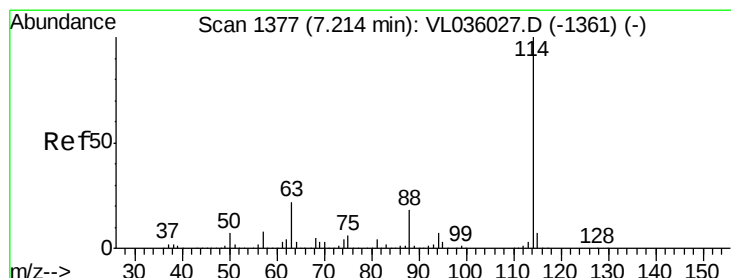
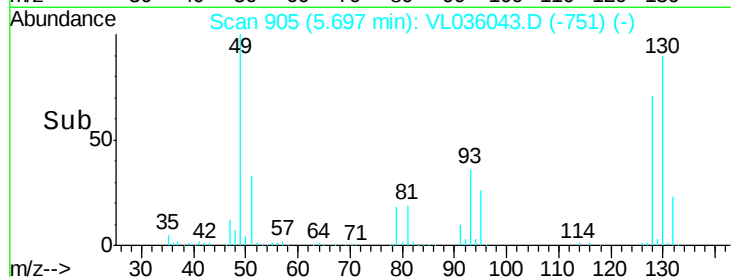
5.70

400000

200000

0

Time--> 5.60 5.65 5.70 5.75 5.80



#3

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VL036043.D

Acq: 1 Dec 2020 9:23

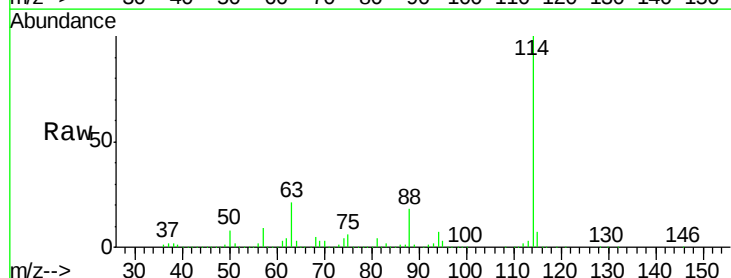
Tgt Ion: 114 Resp: 3948624

Ion	Ratio	Lower	Upper
114	100		
63	21.4	16.6	24.8
88	17.7	14.0	21.0

114 100

63 21.4 16.6 24.8

88 17.7 14.0 21.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

2500000

2000000

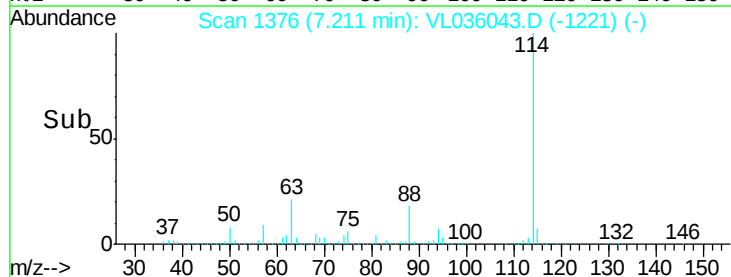
1500000

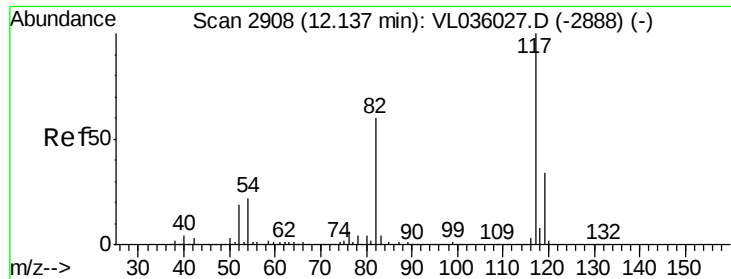
1000000

500000

0

Time--> 7.10 7.20 7.30





#4

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL036043.D

Acq: 1 Dec 2020 9:23

Instrument :

MSVOA_L

ClientSampleId :

E054-1100

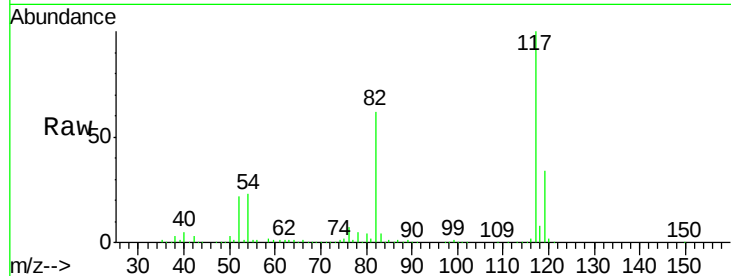
Tot Ion:117 Resp: 3691136

Ion Ratio Lower Upper

117 100

82 63.1 48.6 73.0

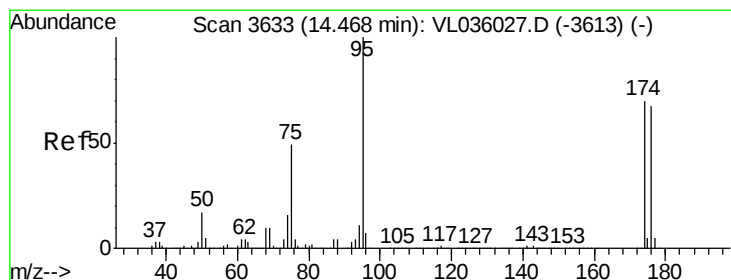
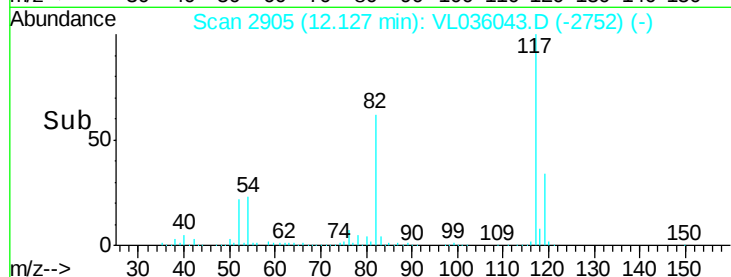
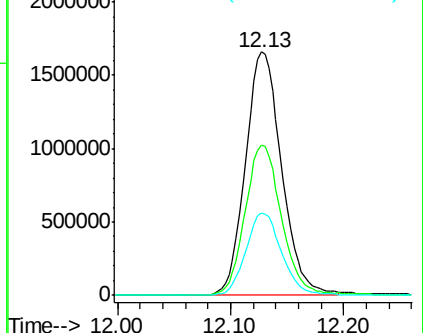
119 33.9 27.5 41.3



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: 11.612 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VL036043.D

Acq: 1 Dec 2020 9:23

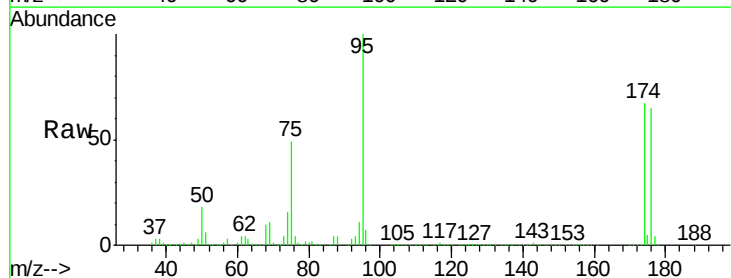
Tgt Ion: 95 Resp: 3291127

Ion Ratio Lower Upper

95 100

174 67.6 56.2 84.2

175 4.7 4.0 6.0



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

