

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091819\
 Data File : VL034185.D
 Acq On : 18 Sep 2019 16:14
 Operator : SY/AP
 Sample : VL0918ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABL01

Quant Time: Sep 19 06:56:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1196205	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1930906	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1962220	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1734118	10.17	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

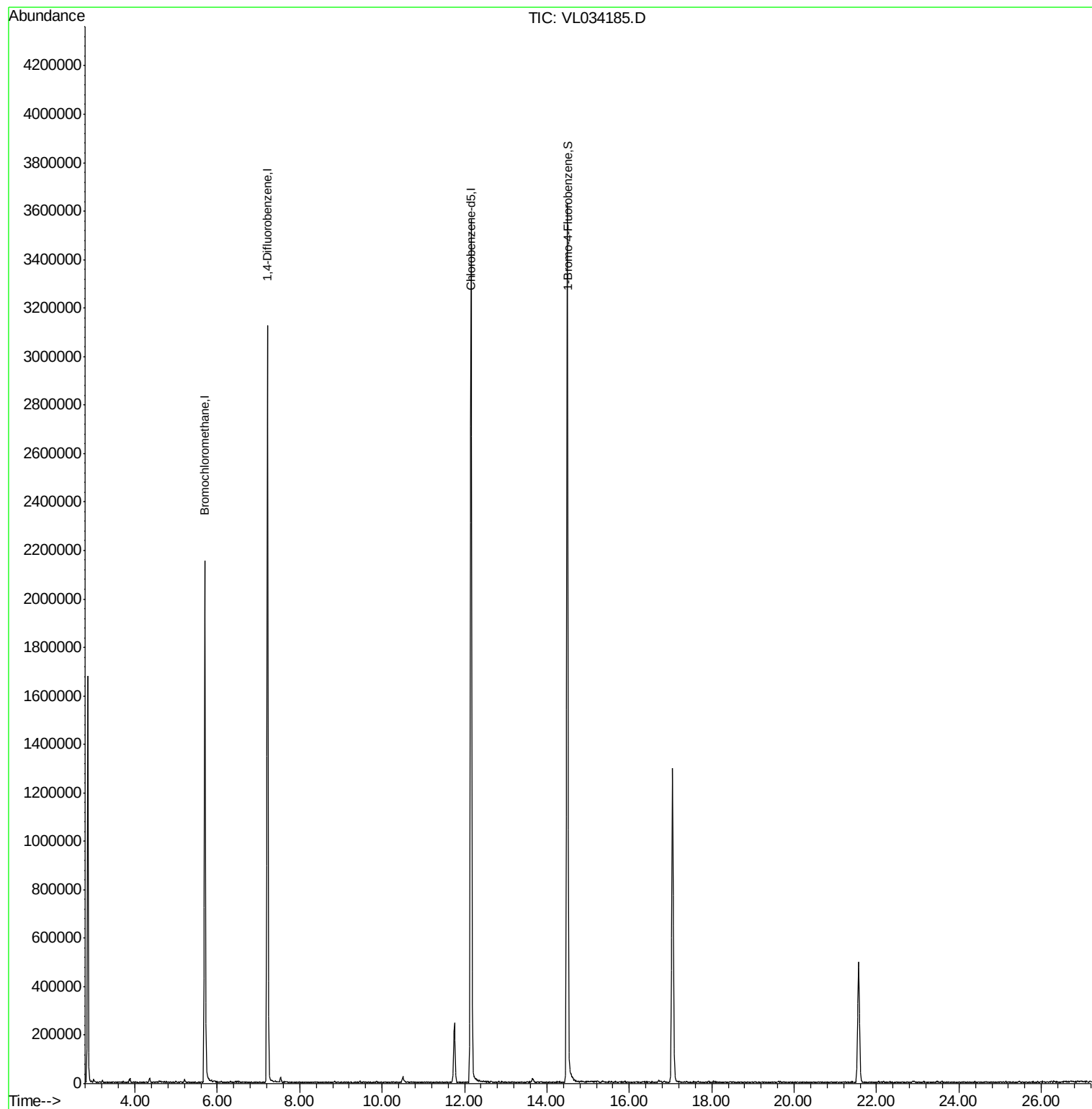
Target Compounds	Ovalue

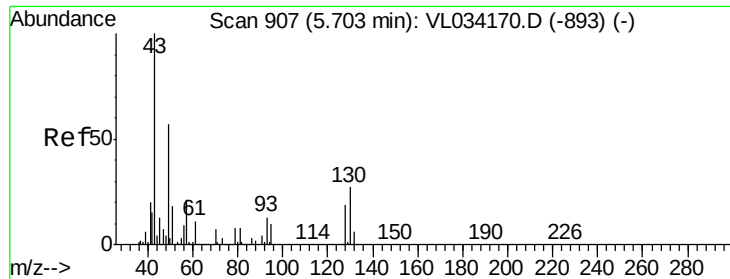
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VL0918ABL01

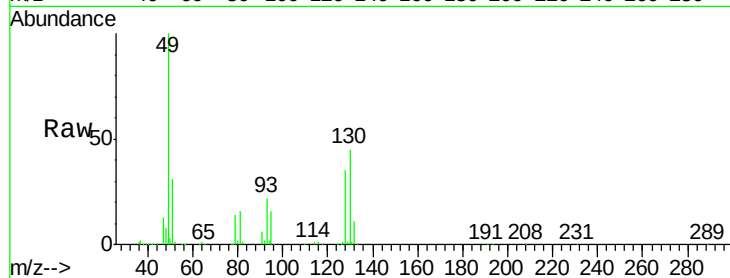
Tot Ion: 49 Resp: 1196205

Ion Ratio Lower Upper

49 100

128 33.6 17.6 52.9

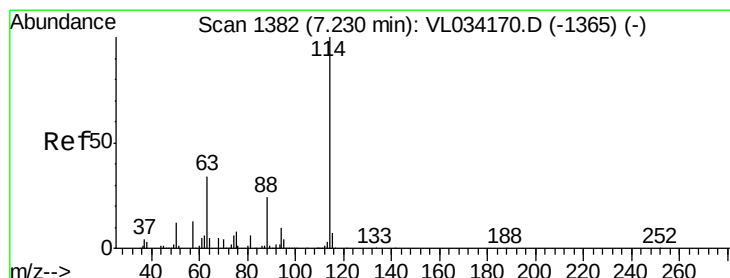
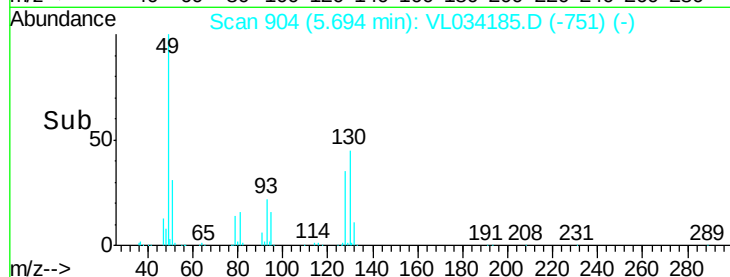
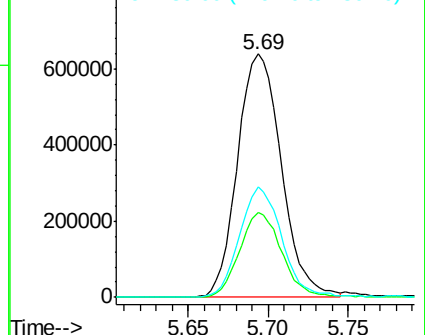
130 44.0 22.3 66.9



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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1378

Delta R.T. -0.01 min

Lab File: VL034185.D

Acq: 18 Sep 2019 16:14

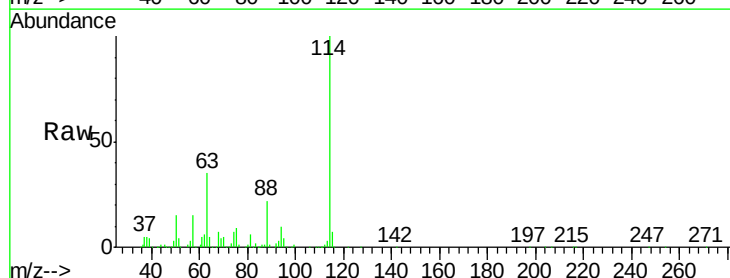
Tgt Ion: 114 Resp: 1930906

Ion Ratio Lower Upper

114 100

63 33.9 27.8 41.6

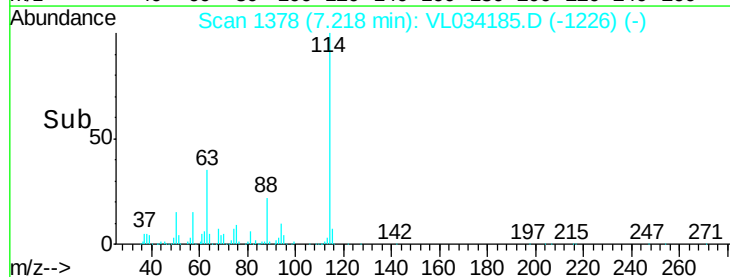
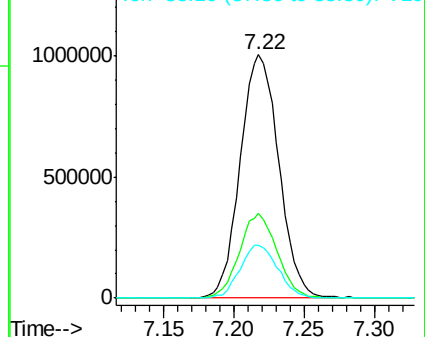
88 21.3 17.1 25.7

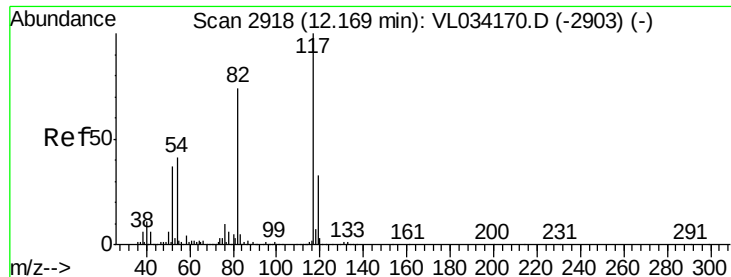


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

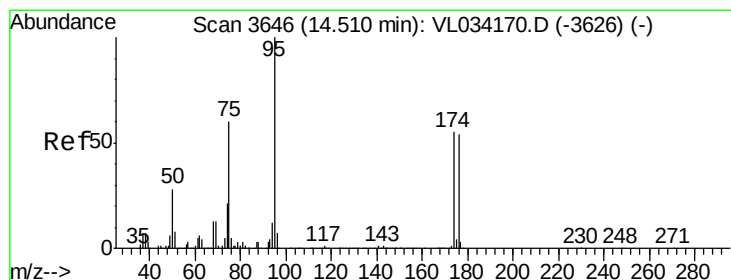
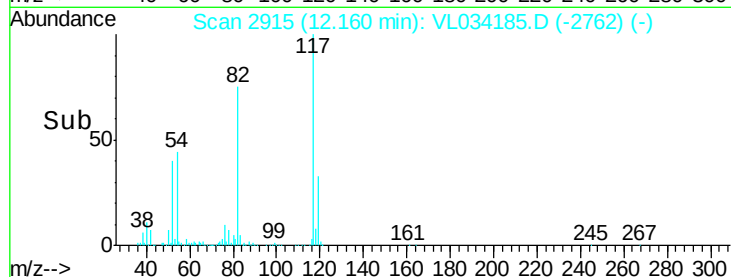
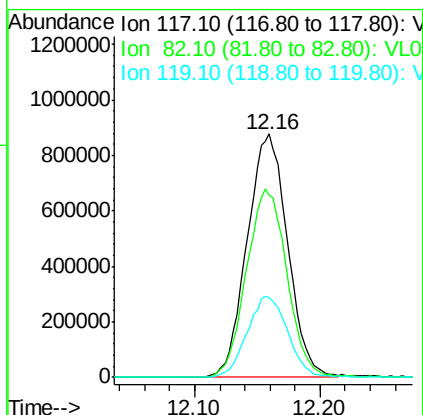
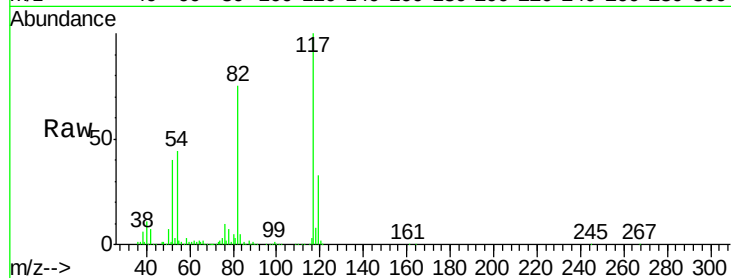




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL034185.D
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Instrument :
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ClientSampleId :
VL0918ABL01

Tot Ion:117 Resp: 1962220
Ion Ratio Lower Upper
117 100
82 78.0 58.2 87.4
119 33.6 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.171 ppbv
RT: 14.50 min Scan# 3642
Delta R.T. -0.01 min
Lab File: VL034185.D
Acq: 18 Sep 2019 16:14

Tgt Ion: 95 Resp: 1734118
Ion Ratio Lower Upper
95 100
174 56.7 45.1 67.7
175 4.0 3.3 4.9

