

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
Data File : VL033761.D
Acq On : 23 May 2019 1:55
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: May 23 07:03:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	857123	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1962312	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1938883	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1569521	9.99	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

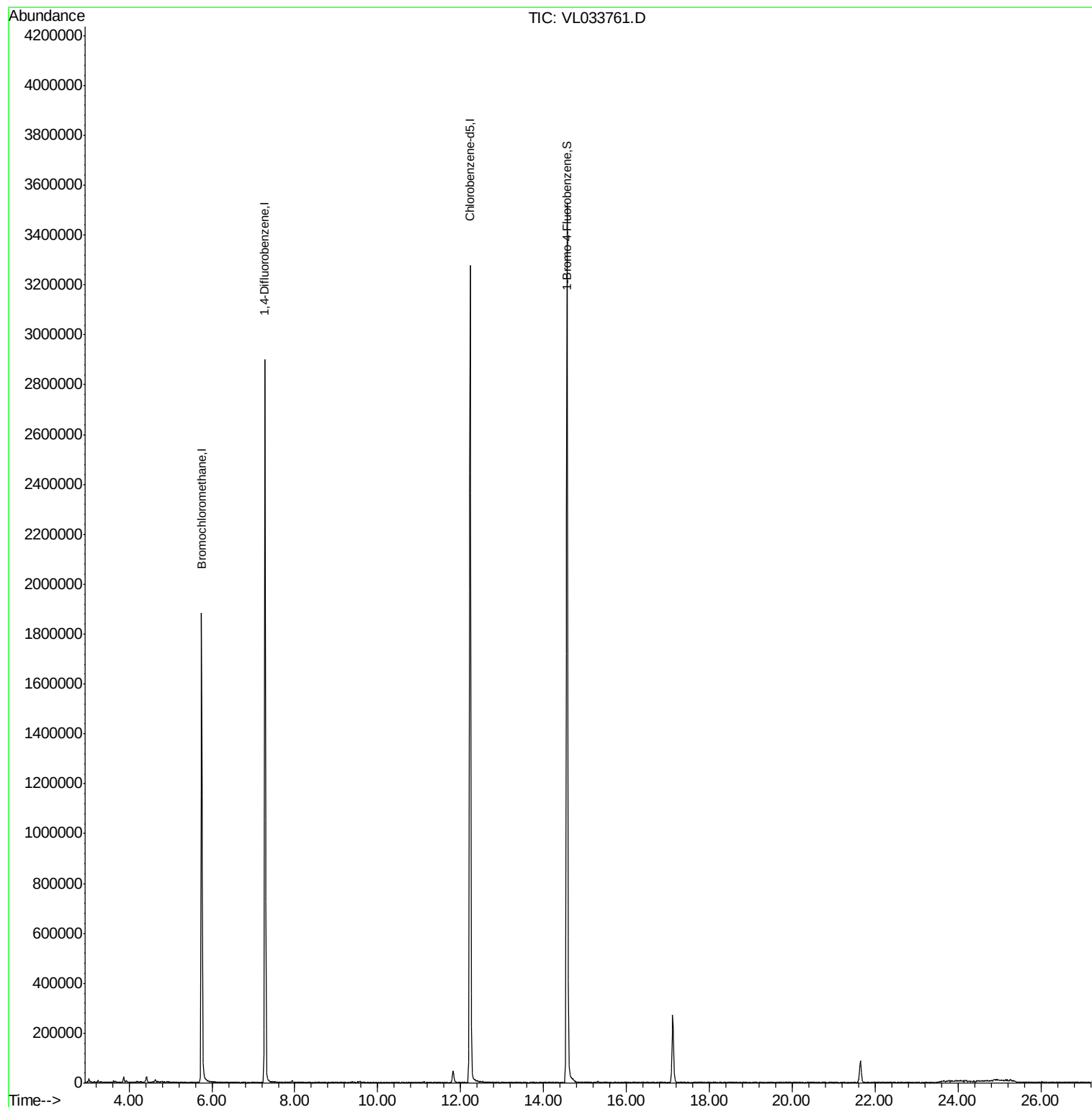
Target Compounds	Ovalue
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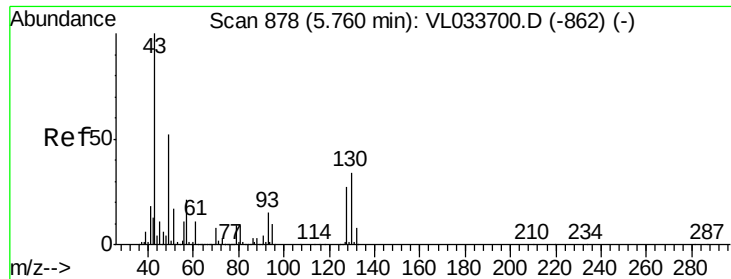
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033761.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

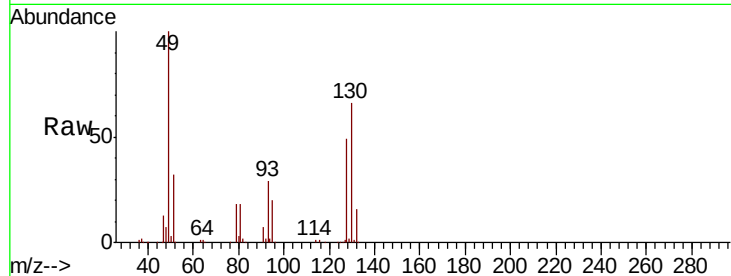
Tot Ion: 49 Resp: 857123

Ion Ratio Lower Upper

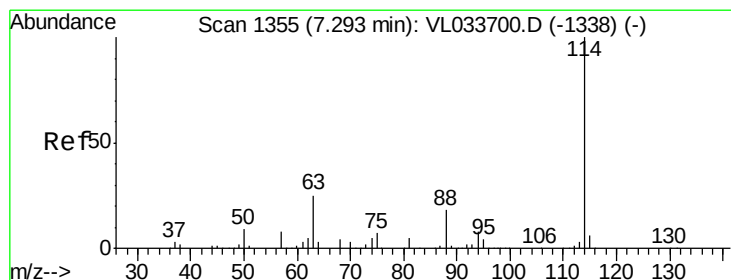
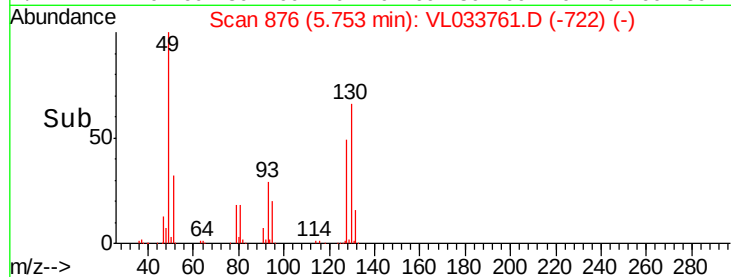
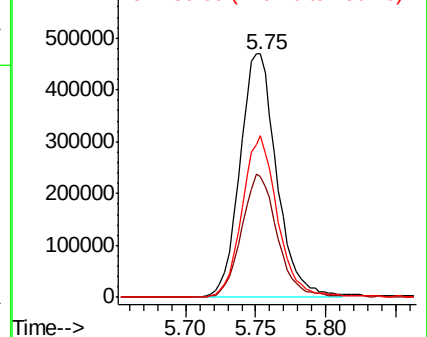
49 100

128 49.7 25.2 75.6

130 64.5 32.5 97.5



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: 7.28 min Scan# 1351

Delta R.T. -0.01 min

Lab File: VL033761.D

Acq: 23 May 2019 1:55

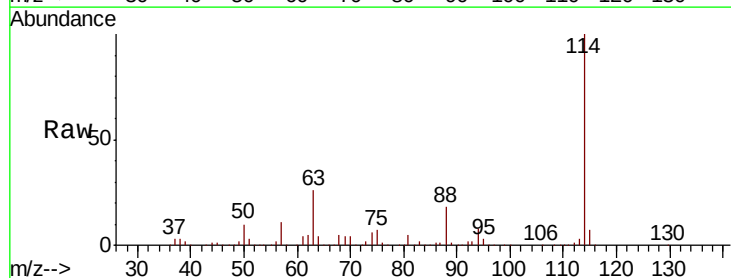
Tgt Ion: 114 Resp: 1962312

Ion Ratio Lower Upper

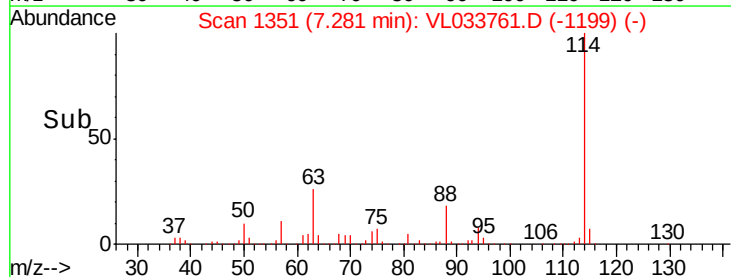
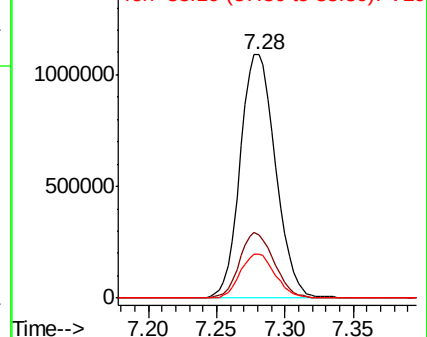
114 100

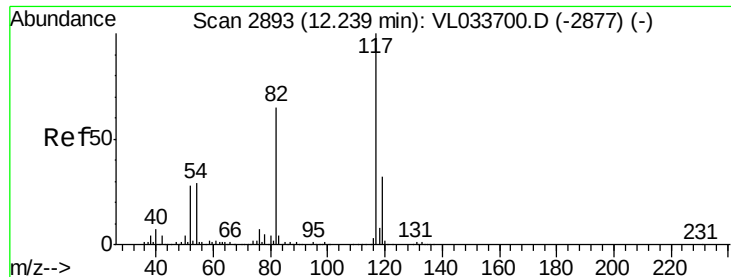
63 26.5 20.9 31.3

88 17.9 14.3 21.5



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

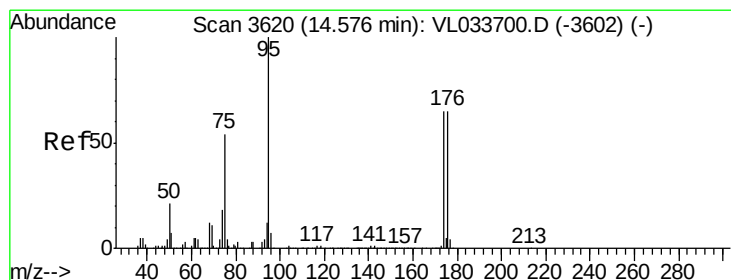
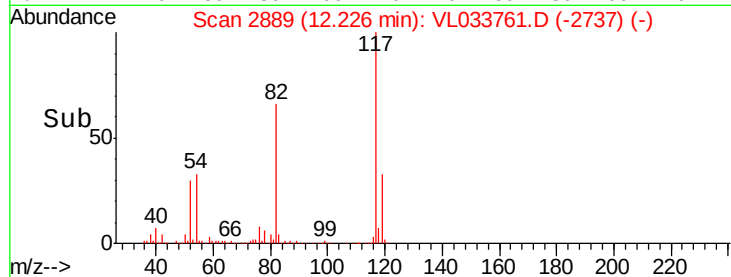
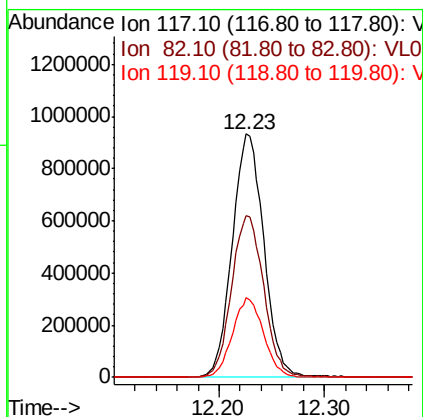
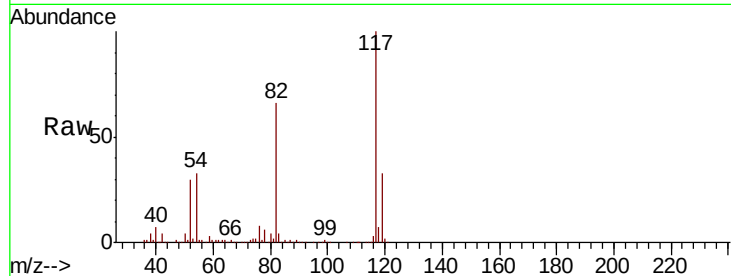




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

Instrument :
MSVOA_L
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VIBLK

Tot Ion:117 Resp: 1938883
Ion Ratio Lower Upper
117 100
82 67.9 49.4 74.0
119 32.4 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.985 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033761.D
Acq: 23 May 2019 1:55

Tgt Ion: 95 Resp: 1569521
Ion Ratio Lower Upper
95 100
174 66.5 53.9 80.9
175 4.7 3.8 5.8

