

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
Data File : VL033387.D
Acq On : 19 Mar 2019 12:15
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Mar 20 01:47:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	791068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1854990	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1946594	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1435975	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

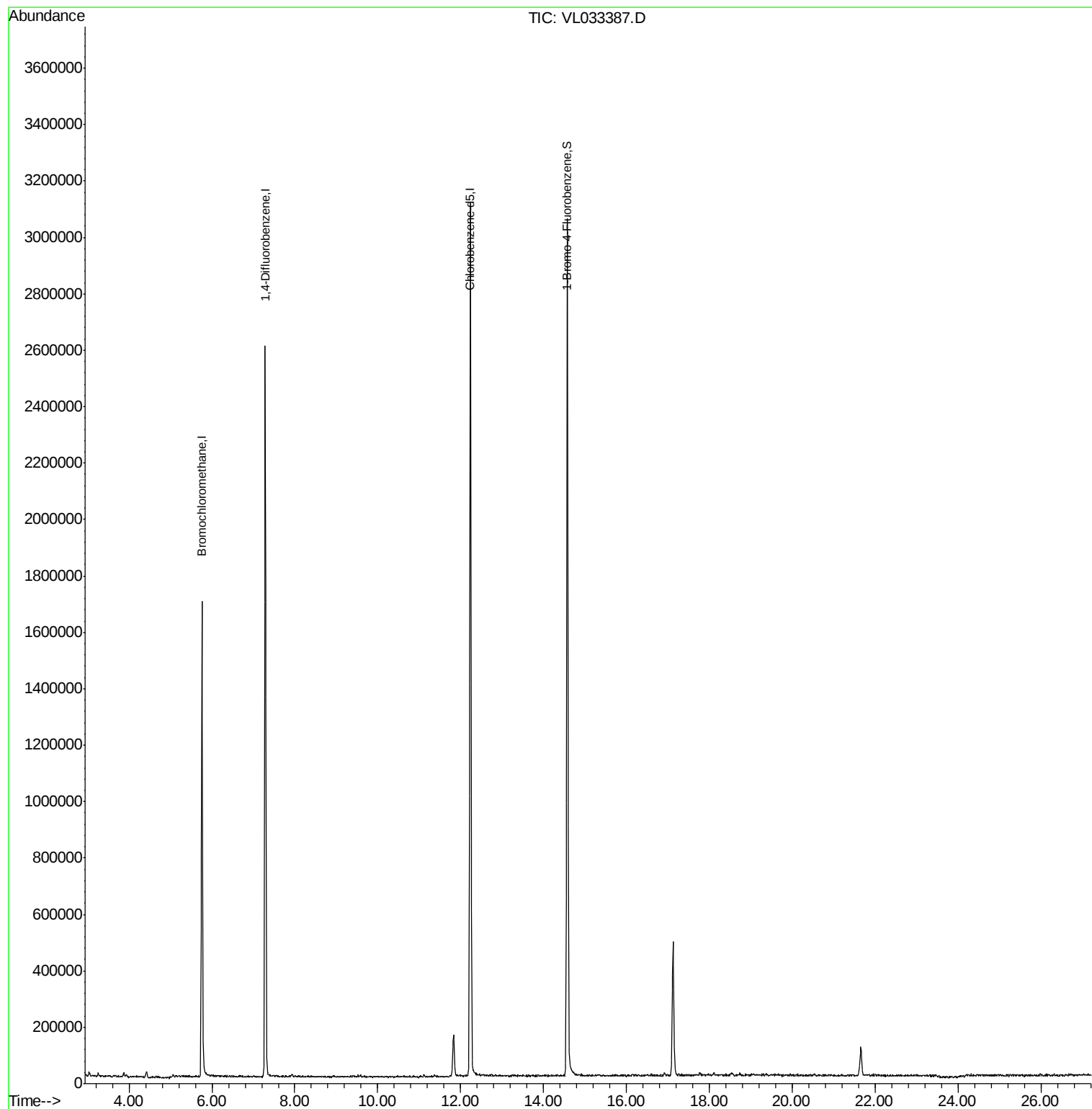
Target Compounds	Ovalue
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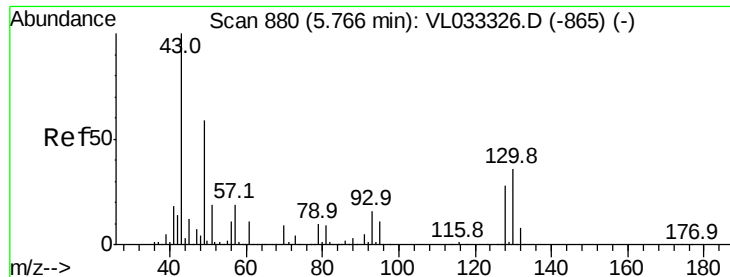
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031819\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033387.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

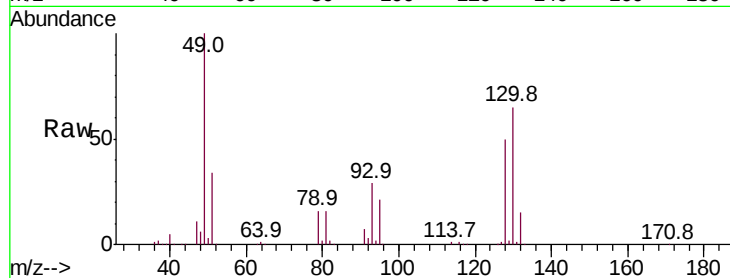
Tot Ion: 49 Resp: 791068

Ion Ratio Lower Upper

49 100

128 48.0 23.5 70.6

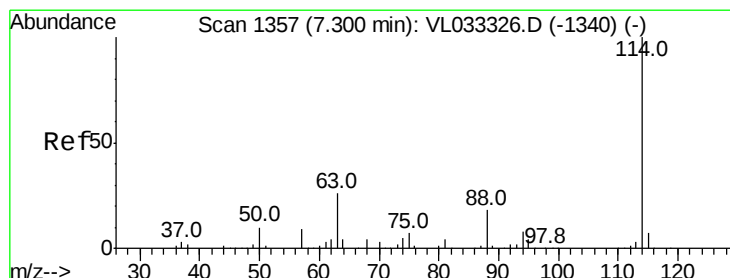
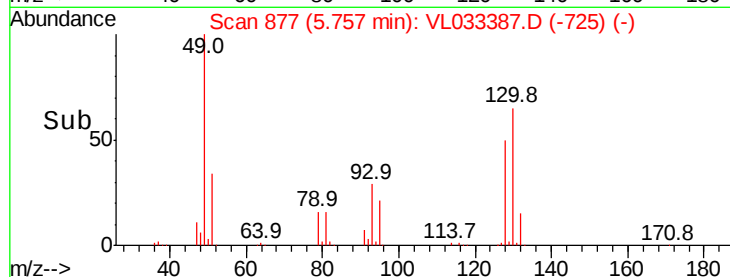
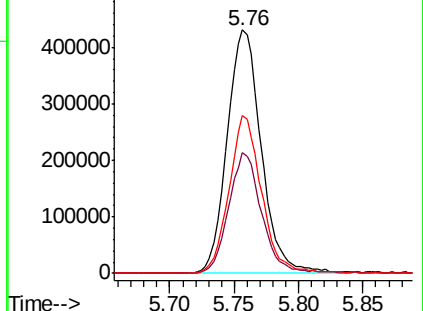
130 62.0 30.1 90.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033387.D

Acq: 19 Mar 2019 12:15

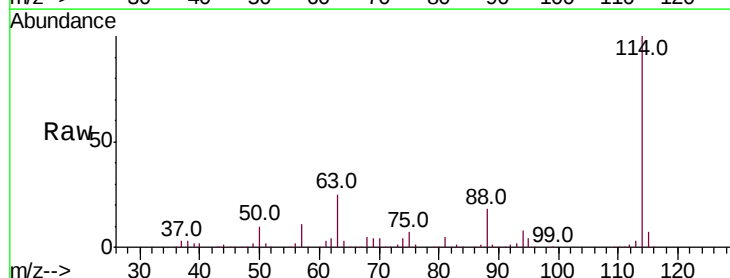
Tgt Ion:114 Resp: 1854990

Ion Ratio Lower Upper

114 100

63 25.7 21.4 32.2

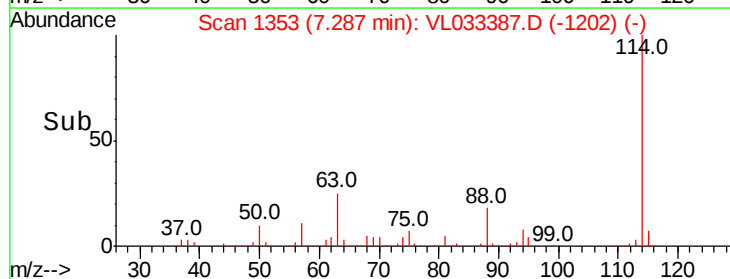
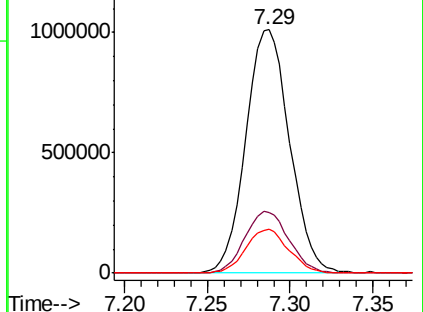
88 17.9 14.5 21.7

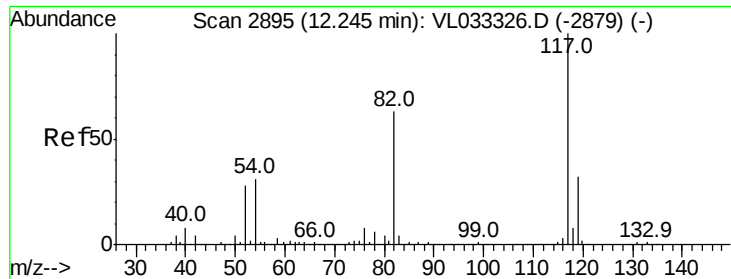


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

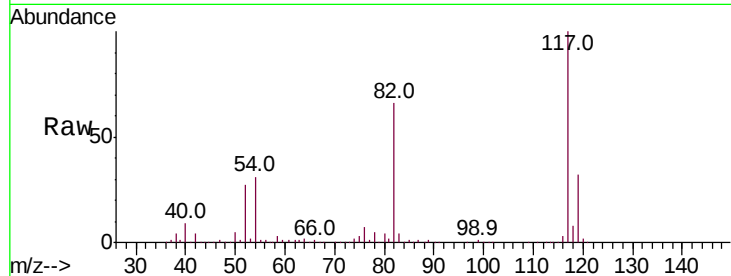




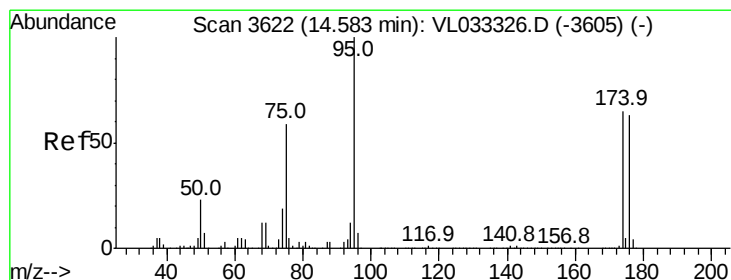
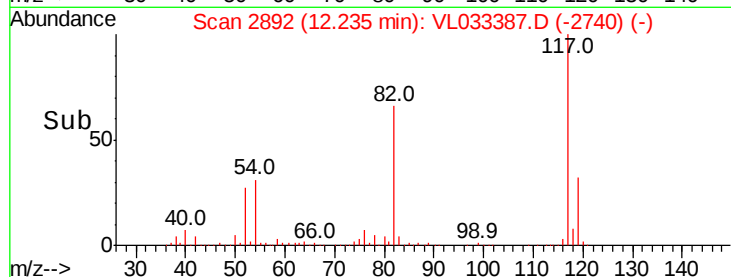
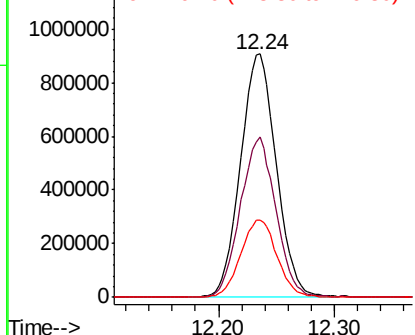
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033387.D
Acq: 19 Mar 2019 12:15

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:117 Resp: 1946594
Ion Ratio Lower Upper
117 100
82 65.9 53.4 80.2
119 32.5 27.3 40.9

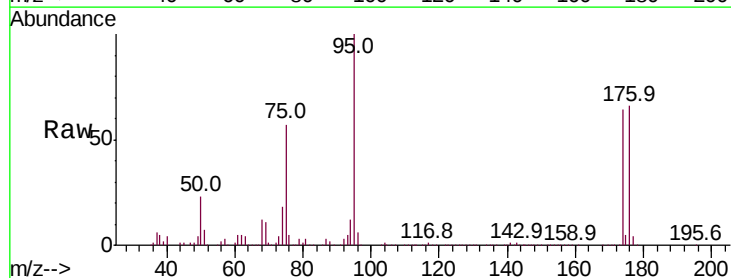


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.955 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033387.D
Acq: 19 Mar 2019 12:15

Tgt Ion: 95 Resp: 1435975
Ion Ratio Lower Upper
95 100
174 66.0 51.5 77.3
175 4.7 3.8 5.6



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

