

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
Data File : VL031220.D
Acq On : 14 Dec 2017 4:52
Operator : SY/AP
Sample : VL1213ABL01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABL01

Quant Time: Dec 14 08:45:47 2017
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1749878	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	4054799	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	4045376	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3174743	11.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.30%

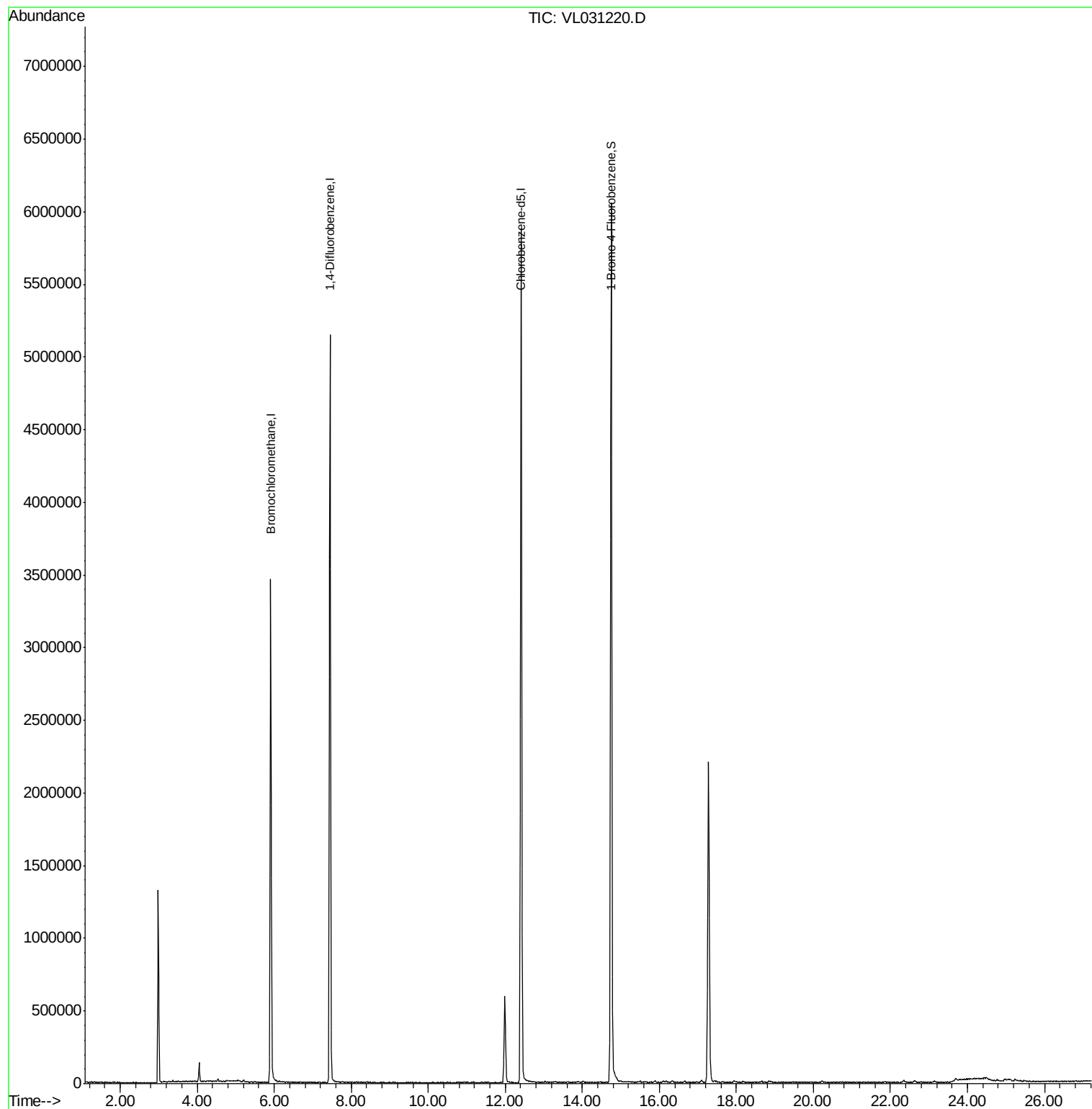
Target Compounds	Ovalue
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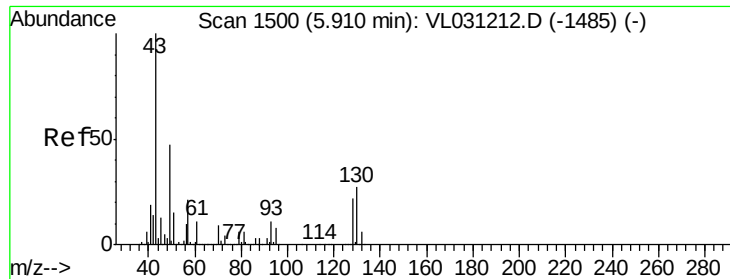
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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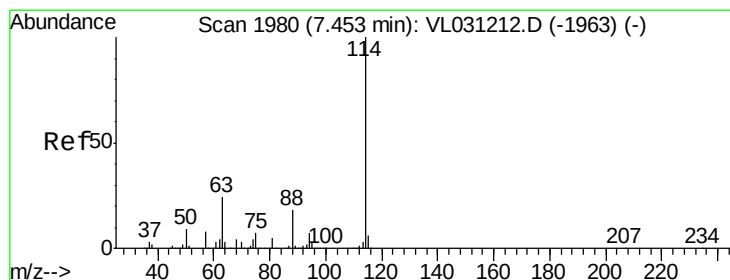
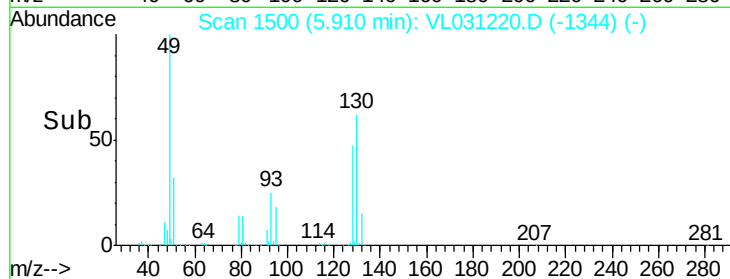
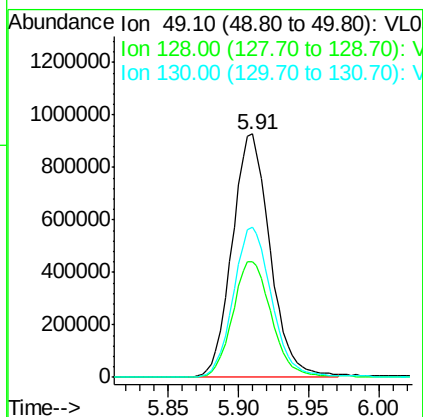
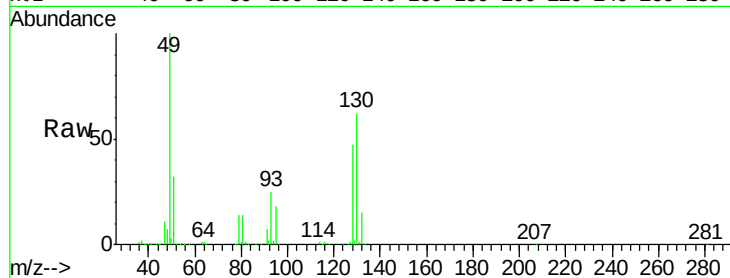




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.91 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VL031220.D
 Acq: 14 Dec 2017 4:52

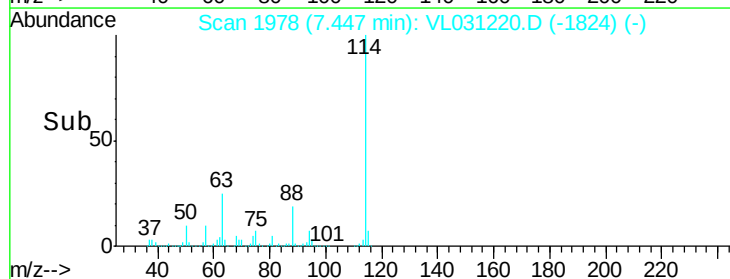
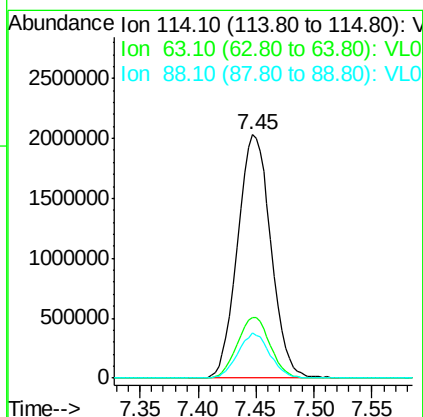
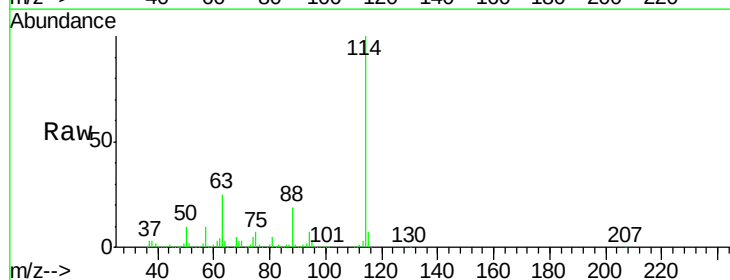
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABL01

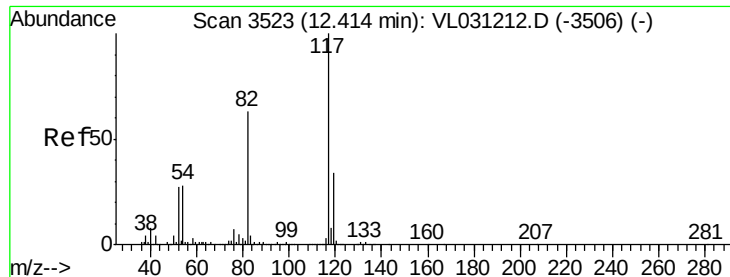
Tot Ion: 49 Resp: 1749878
 Ion Ratio Lower Upper
 49 100
 128 49.3 23.2 69.5
 130 63.2 29.6 88.8



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: VL031220.D
 Acq: 14 Dec 2017 4:52

Tgt Ion: 114 Resp: 4054799
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.8 29.8
 88 17.8 14.2 21.4





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3522

Delta R.T. -0.00 min

Lab File: VL031220.D

Acq: 14 Dec 2017 4:52

Instrument :

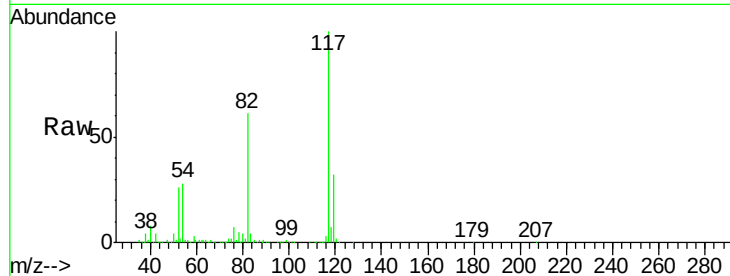
MSVOA_L

ClientSampleId :

VL1213ABL01

Tot Ion:117 Resp: 4045376

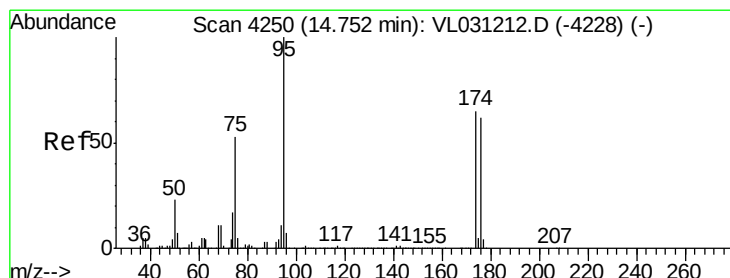
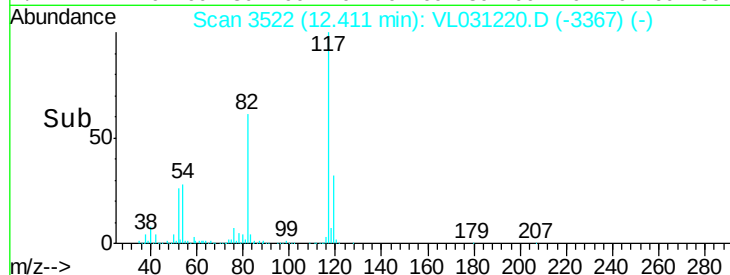
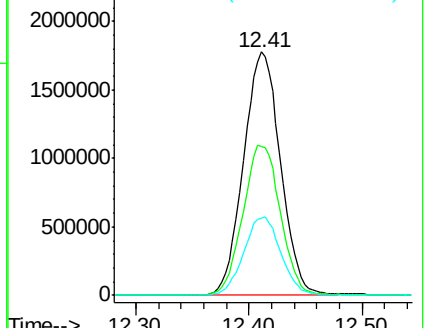
Ion	Ratio	Lower	Upper
117	100		
82	62.9	48.1	72.1
119	32.7	23.1	34.7



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: 11.03 ppbv

RT: 14.75 min Scan# 4249

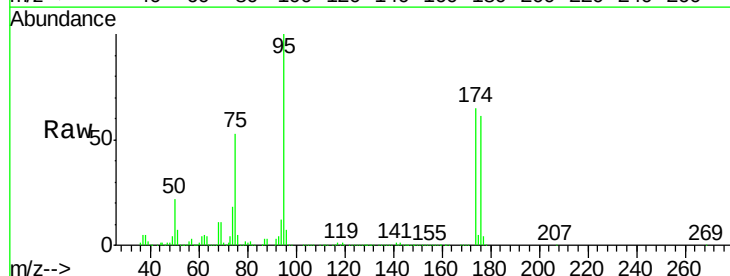
Delta R.T. -0.00 min

Lab File: VL031220.D

Acq: 14 Dec 2017 4:52

Tgt Ion: 95 Resp: 3174743

Ion	Ratio	Lower	Upper
95	100		
174	65.7	52.5	78.7
175	5.0	4.1	6.1



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

