

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034464.D
Acq On : 9 Dec 2019 14:09
Operator : SY/AP
Sample : VL1209ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABL01

Quant Time: Dec 10 17:33:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	886488	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.19	114	1741431	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.13	117	1754460	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1490352	10.10	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

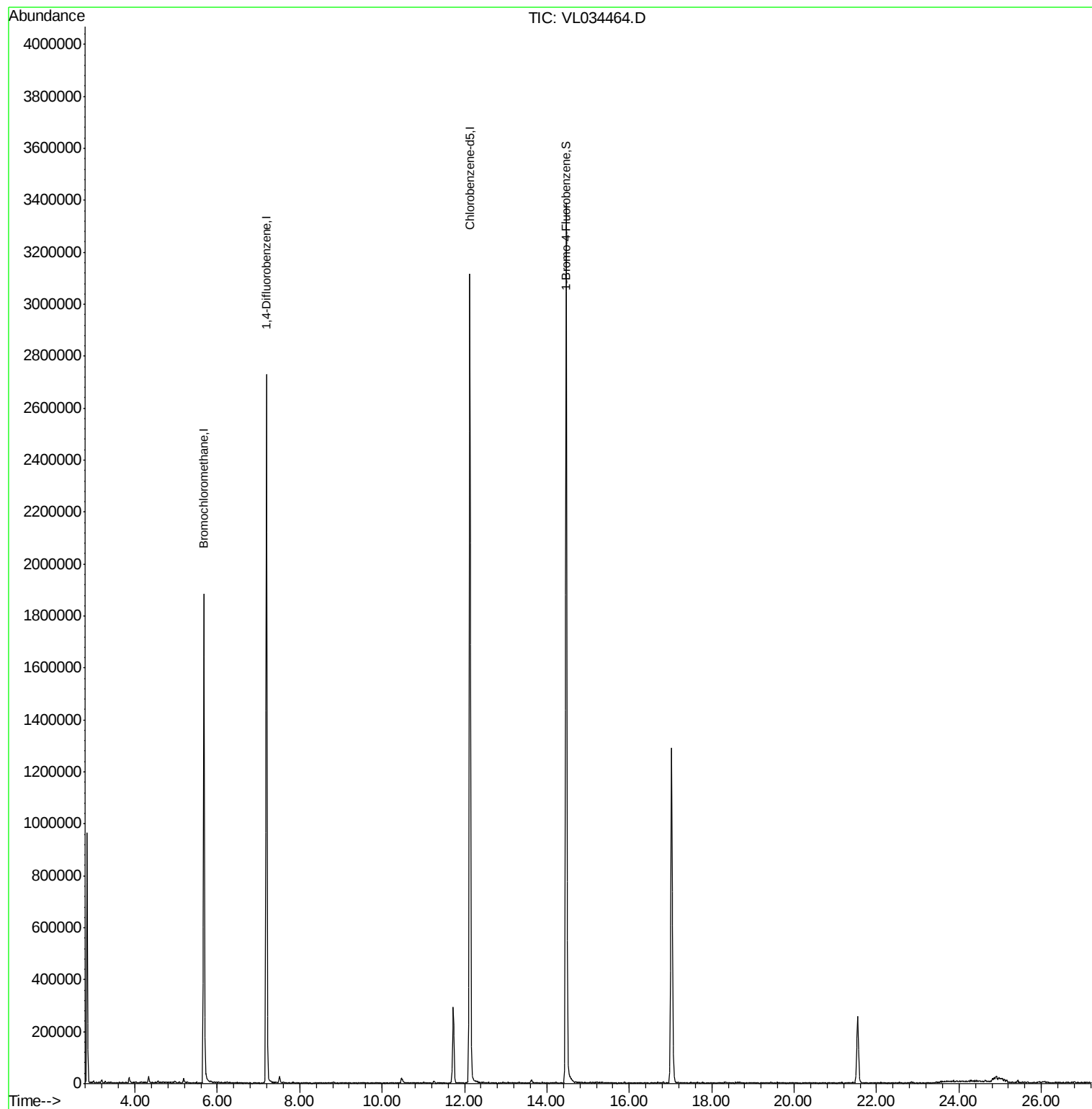
Target Compounds	Qvalue
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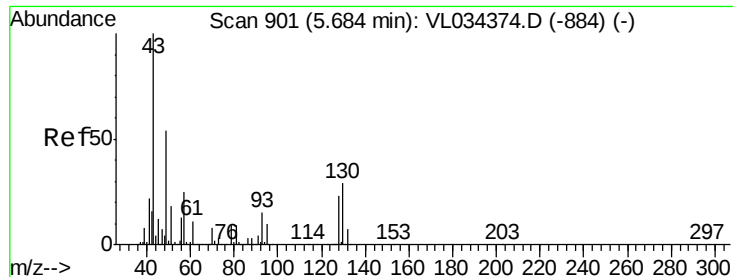
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VL1209ABL01

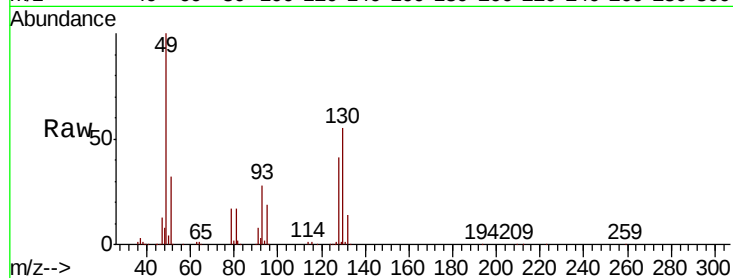
Tgt Ion: 49 Resp: 886488

Ion Ratio Lower Upper

49 100

128 42.9 21.8 65.3

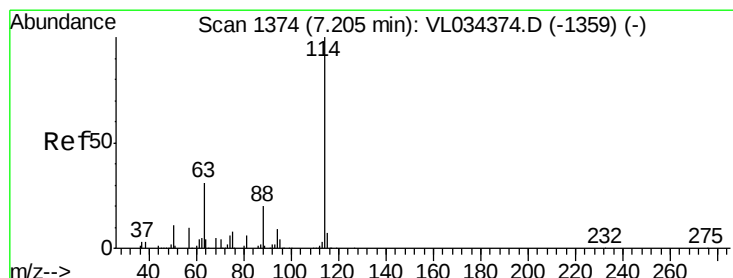
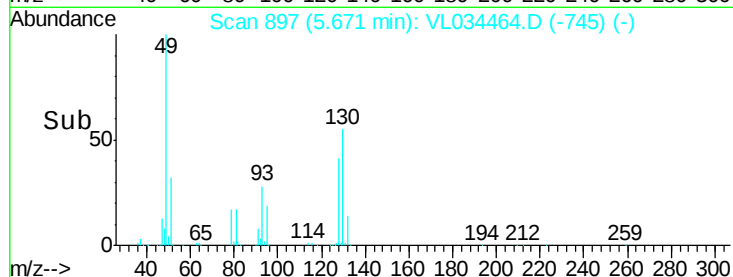
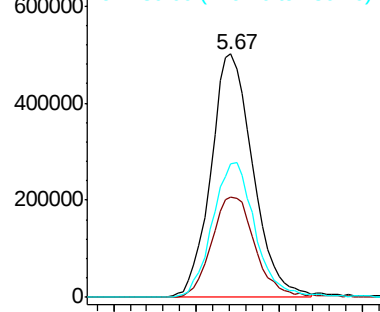
130 56.6 28.0 84.0



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: 7.19 min Scan# 1370

Delta R.T. -0.01 min

Lab File: VL034464.D

Acq: 9 Dec 2019 14:09

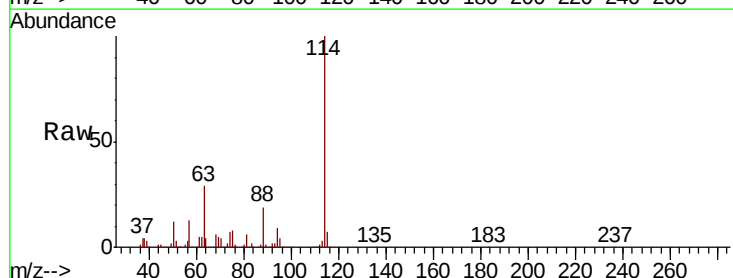
Tgt Ion: 114 Resp: 1741431

Ion Ratio Lower Upper

114 100

63 29.8 24.2 36.4

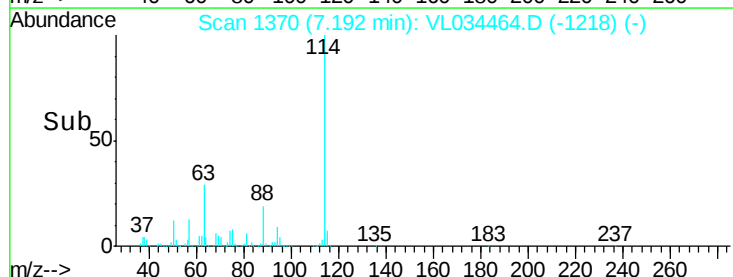
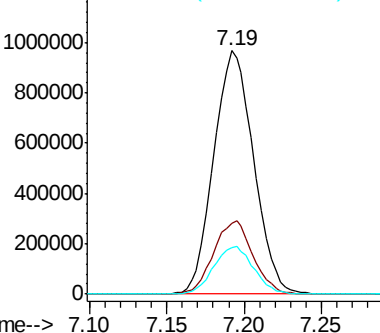
88 19.6 15.9 23.9

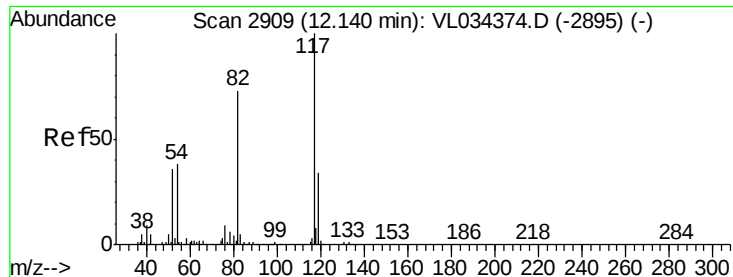


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

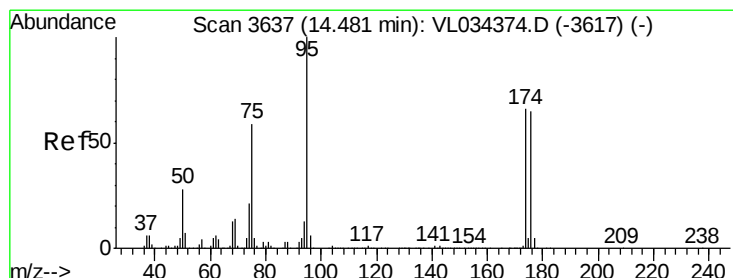
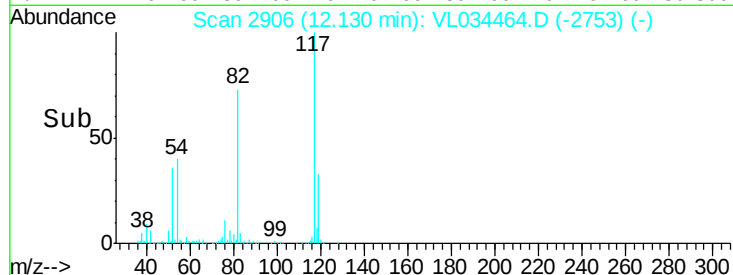
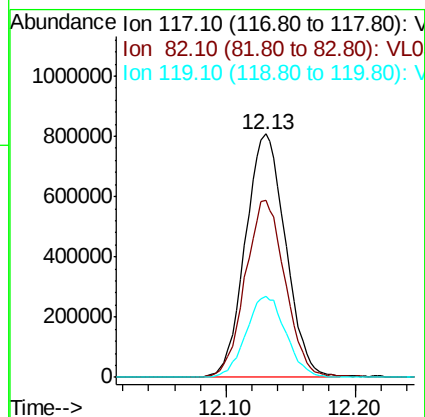
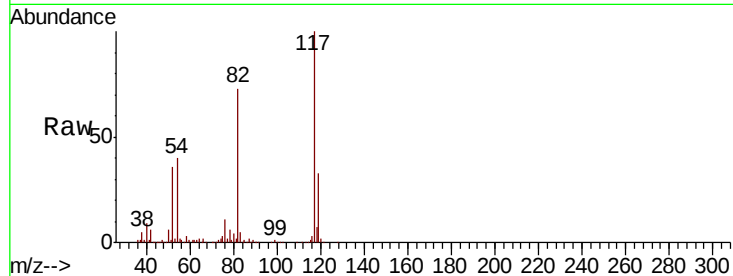




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
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Tgt Ion: 117 Resp: 1754460
Ion Ratio Lower Upper
117 100
82 72.4 57.5 86.3
119 33.0 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.097 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.01 min
Lab File: VL034464.D
Acq: 9 Dec 2019 14:09

Tgt Ion: 95 Resp: 1490352
Ion Ratio Lower Upper
95 100
174 64.4 52.2 78.2
175 4.5 3.8 5.8

