

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
 Data File : VL033042.D
 Acq On : 21 Dec 2018 1:55
 Operator : SY/AP
 Sample : J6480-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Quant Time: Dec 21 07:00:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	783144	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1886740	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2792131	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1354598	6.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	65.70%

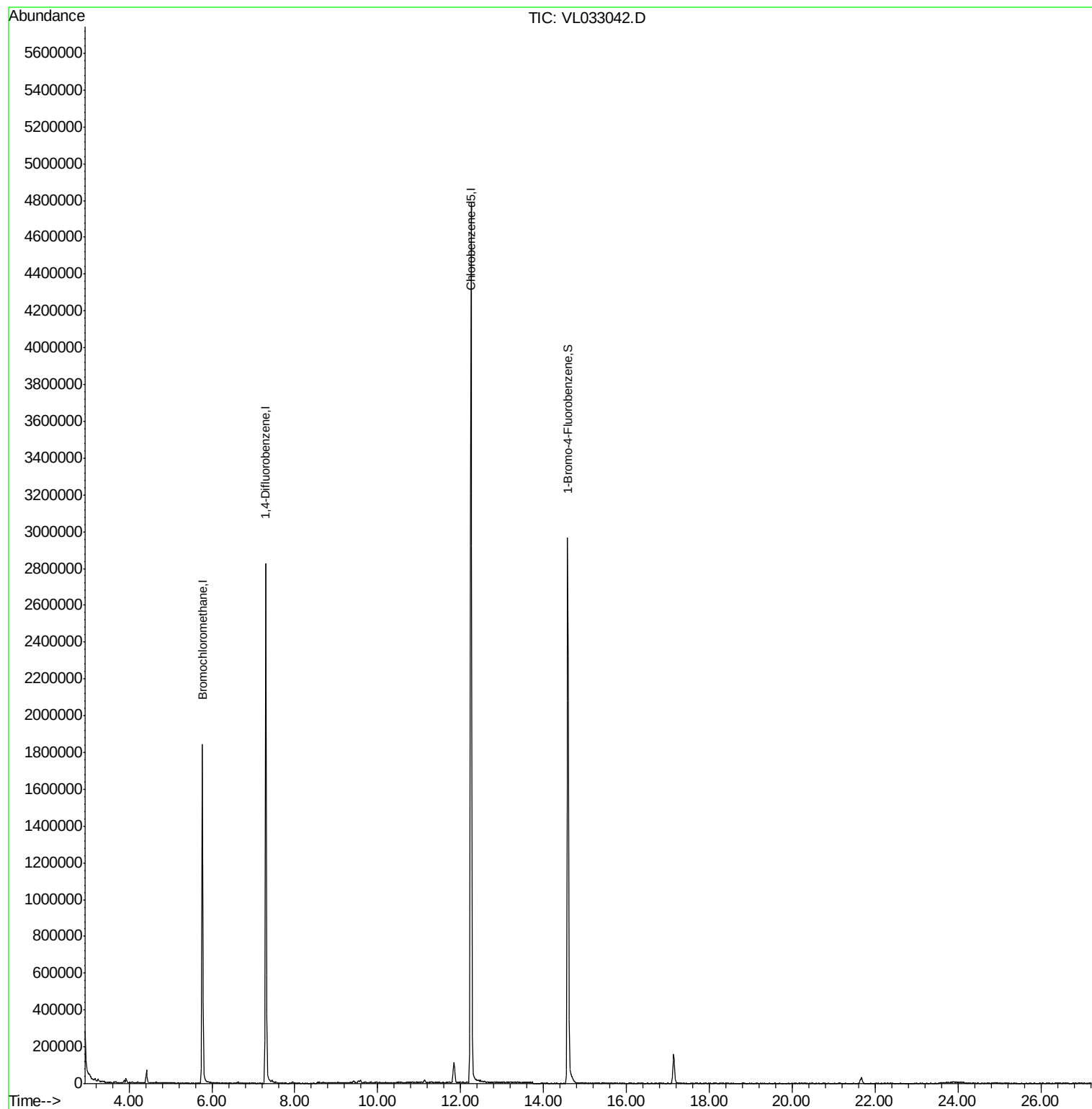
Target Compounds	Ovalue

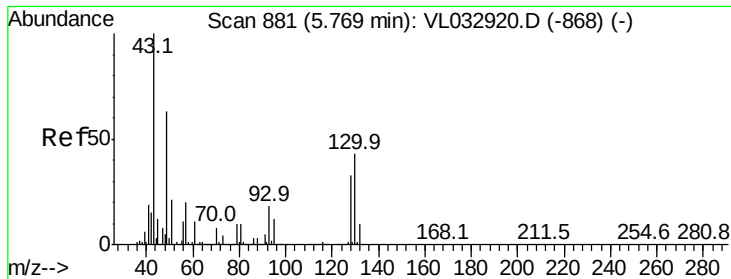
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

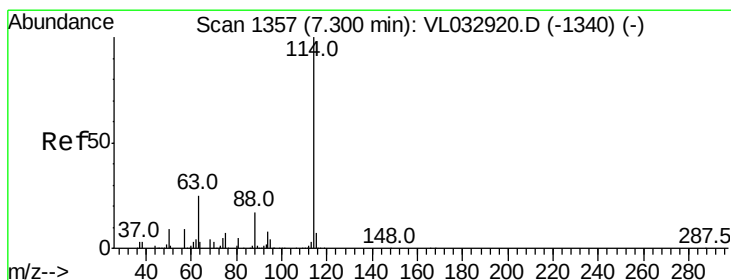
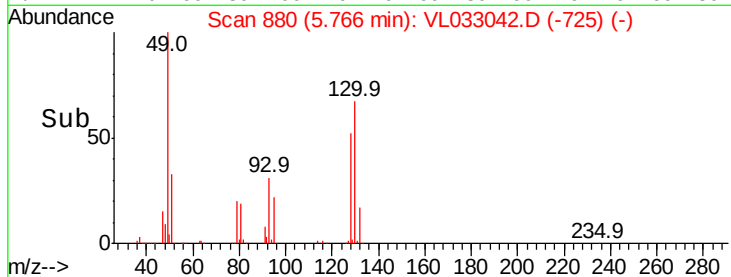
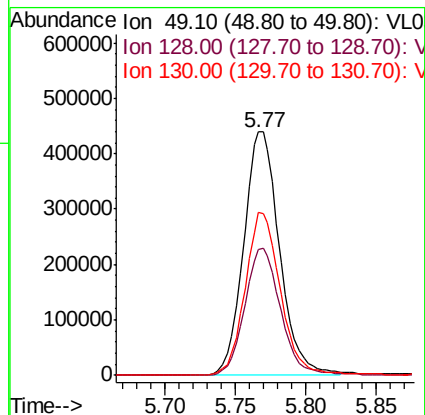
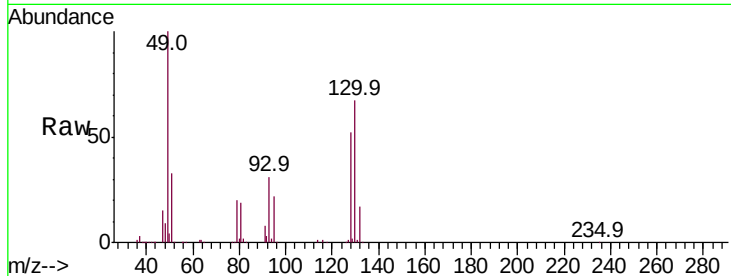
Tot Ion: 49 Resp: 783144

Ion Ratio Lower Upper

49 100

128 52.8 26.3 78.8

130 66.5 33.9 101.7



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VL033042.D

Acq: 21 Dec 2018 1:55

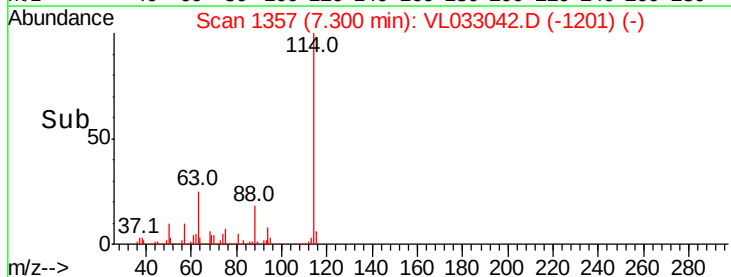
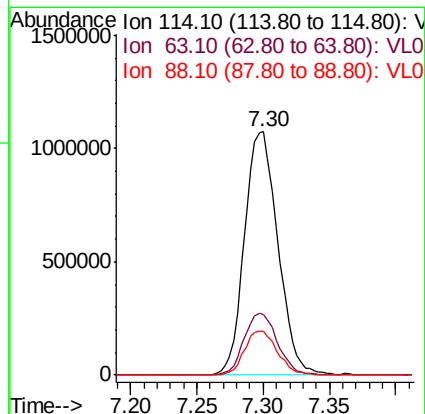
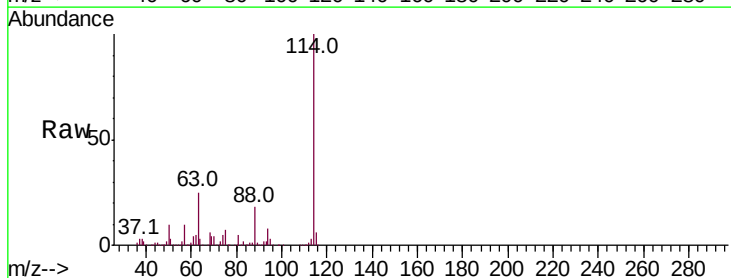
Tgt Ion: 114 Resp: 1886740

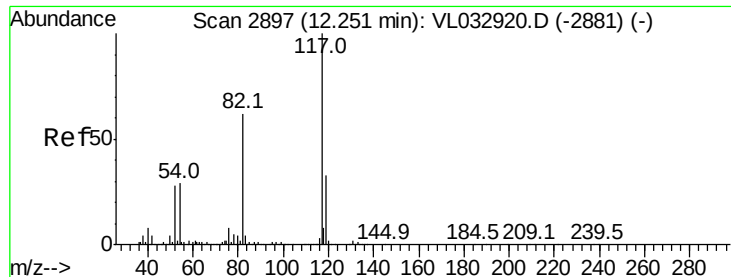
Ion Ratio Lower Upper

114 100

63 25.6 20.1 30.1

88 17.9 14.2 21.4

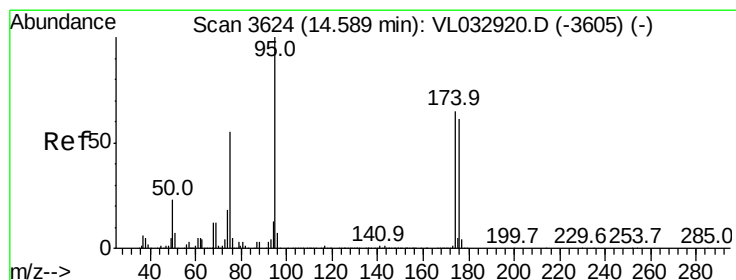
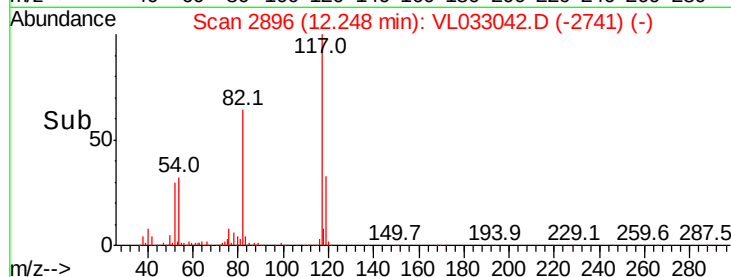
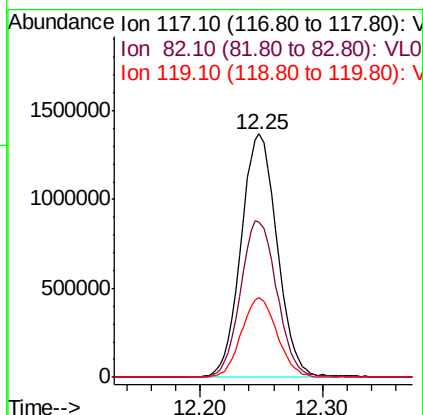
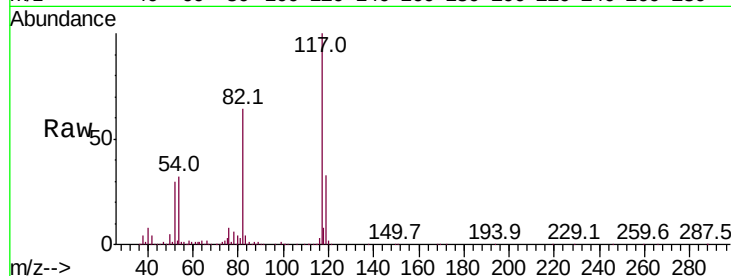




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033042.D
Acq: 21 Dec 2018 1:55

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tot Ion:117 Resp: 2792131
Ion Ratio Lower Upper
117 100
82 65.2 47.8 71.8
119 32.7 43.1 64.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 6.567 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033042.D
Acq: 21 Dec 2018 1:55

Tgt Ion: 95 Resp: 1354598
Ion Ratio Lower Upper
95 100
174 64.8 51.4 77.0
175 4.8 3.8 5.6

