

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035563.D
 Acq On : 8 Sep 2020 19:33
 Operator : SY/AP
 Sample : L3898-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Quant Time: Sep 09 09:22:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1147008	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4730402	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	4843830	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3560278	10.35	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

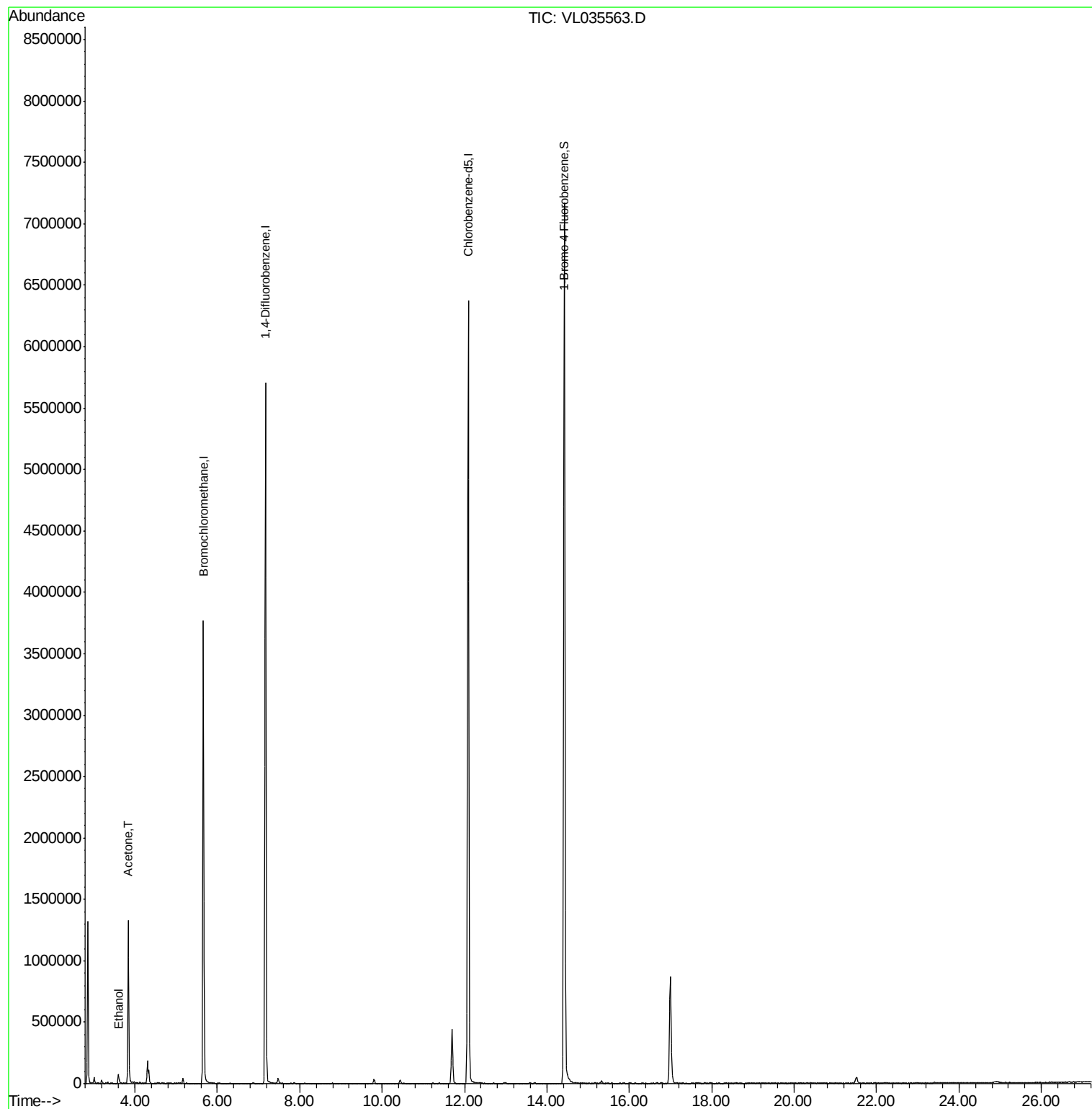
Target Compounds					Ovalue
13) Ethanol	3.59	45	77849	6.420 ppbv	95
15) Acetone	3.83	43	1267119	10.016 ppbv	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL035563.D

Acq: 8 Sep 2020 19:33

Instrument :

MSVOA_L

ClientSampleId :

IA-4DL

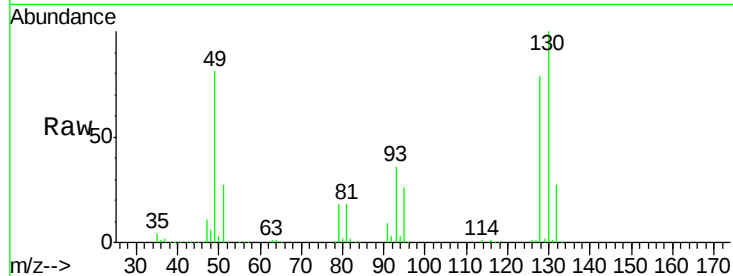
Tot Ion: 49 Resp: 1147008

Ion Ratio Lower Upper

49 100

128 96.5 50.0 150.1

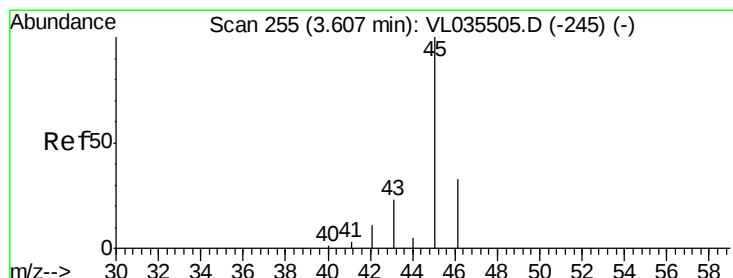
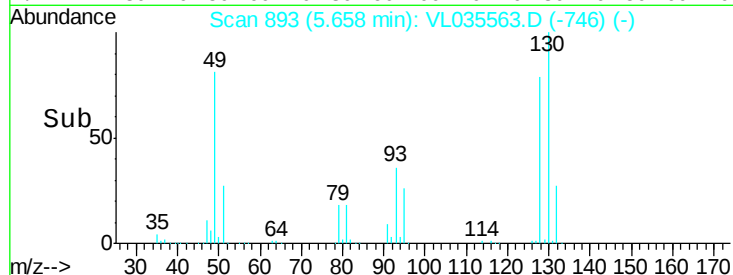
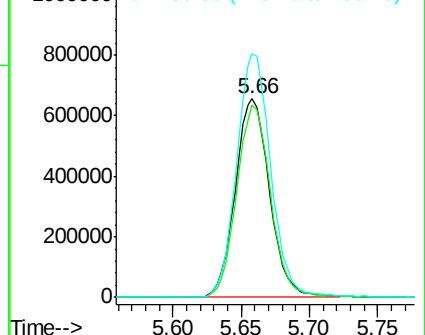
130 123.3 64.4 193.2



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



#13

Ethanol

Concen: 6.420 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL035563.D

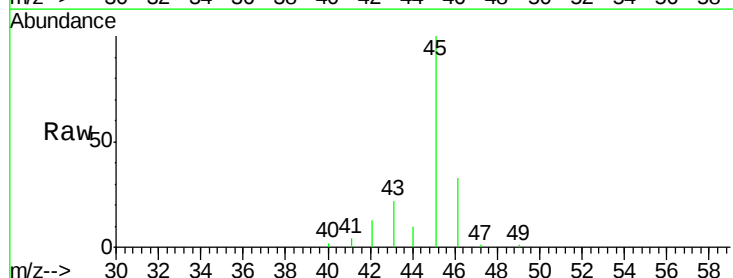
Acq: 8 Sep 2020 19:33

Tgt Ion: 45 Resp: 77849

Ion Ratio Lower Upper

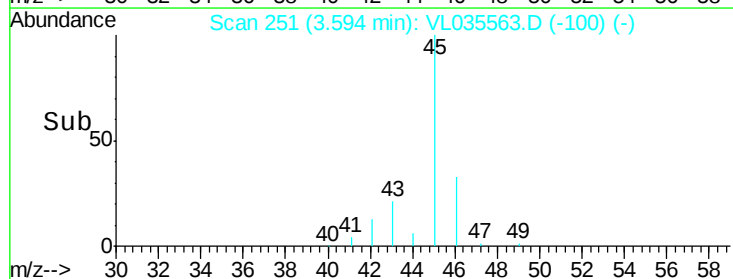
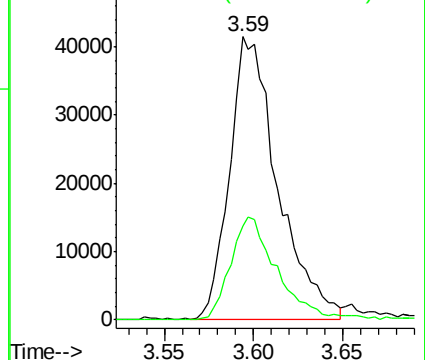
45 100

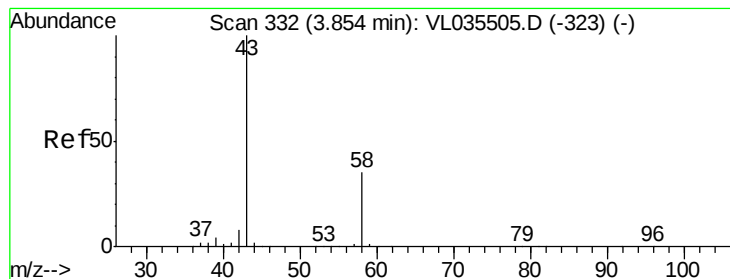
46 35.2 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 10.016 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL035563.D

Acq: 8 Sep 2020 19:33

Instrument :

MSVOA_L

ClientSampleId :

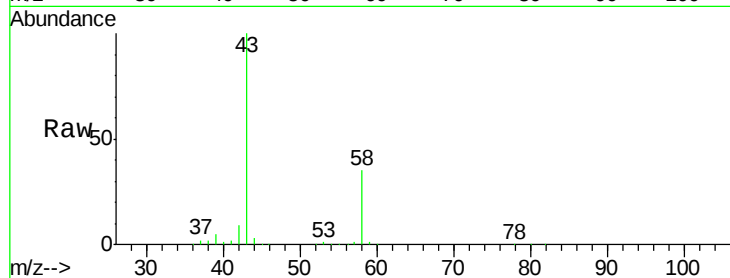
IA-4DL

Tot Ion: 43 Resp: 1267119

Ion Ratio Lower Upper

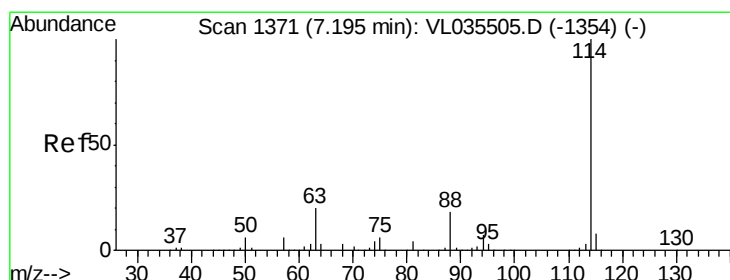
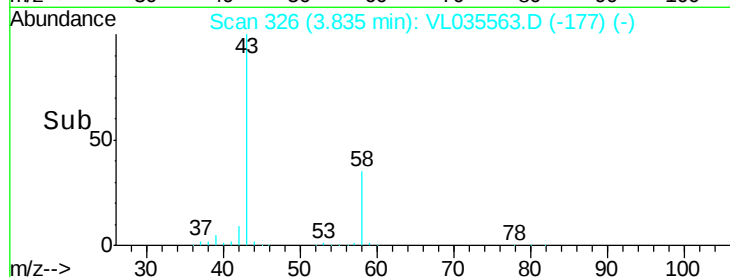
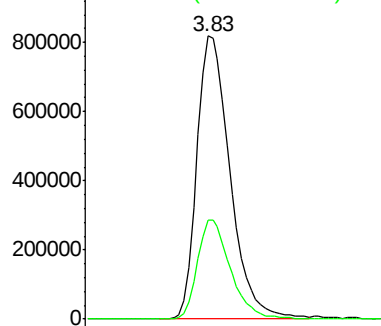
43 100

58 35.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL035563.D

Acq: 8 Sep 2020 19:33

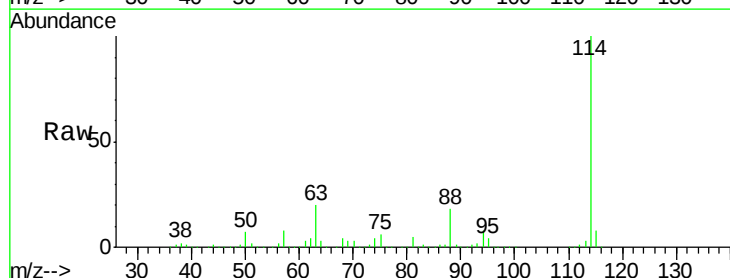
Tgt Ion: 114 Resp: 4730402

Ion Ratio Lower Upper

114 100

63 18.7 14.7 22.1

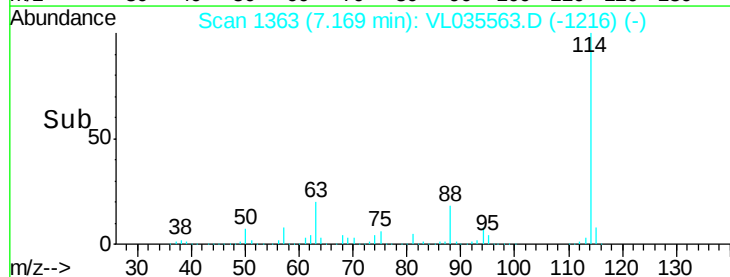
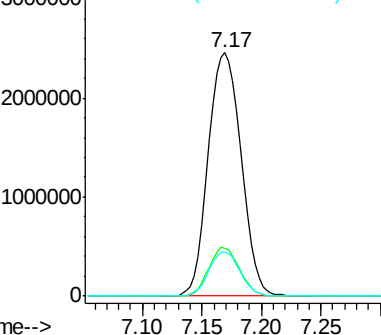
88 17.2 13.4 20.2

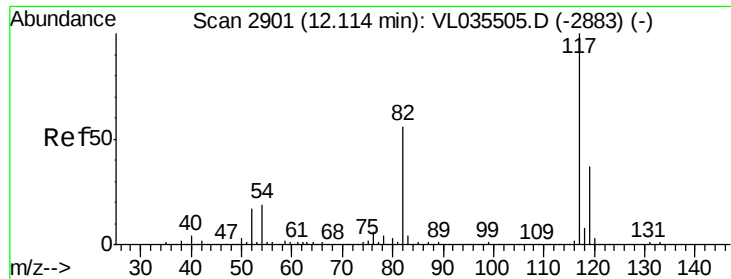


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

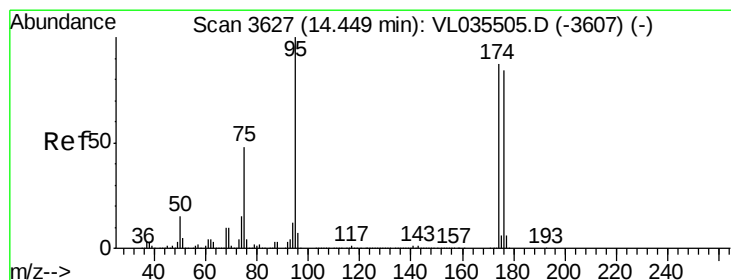
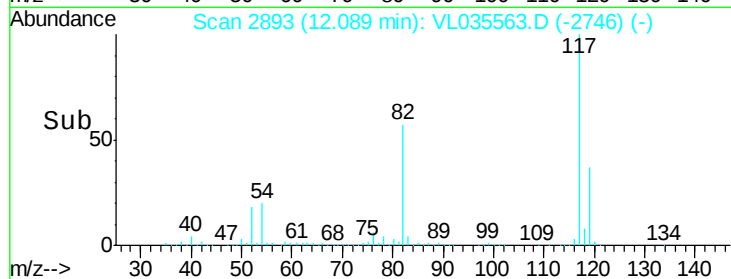
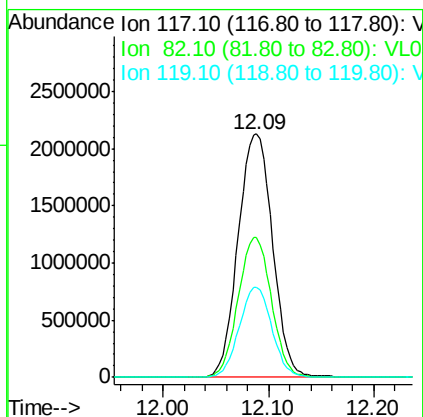
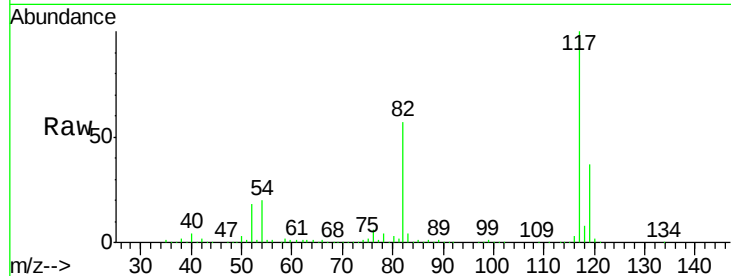




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL035563.D
Acq: 8 Sep 2020 19:33

Instrument :
MSVOA_L
ClientSampled :
IA-4DL

Tot Ion:117 Resp: 4843830
Ion Ratio Lower Upper
117 100
82 55.7 41.6 62.4
119 35.2 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.350 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.03 min
Lab File: VL035563.D
Acq: 8 Sep 2020 19:33

Tgt Ion: 95 Resp: 3560278
Ion Ratio Lower Upper
95 100
174 85.4 69.6 104.4
175 6.3 5.1 7.7

