

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034705.D
 Acq On : 27 Feb 2020 11:57
 Operator : SY/AP
 Sample : VL0227ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABL01

Quant Time: Feb 28 01:20:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	930586	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	1934832	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.14	117	1882197	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1607053	10.41	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

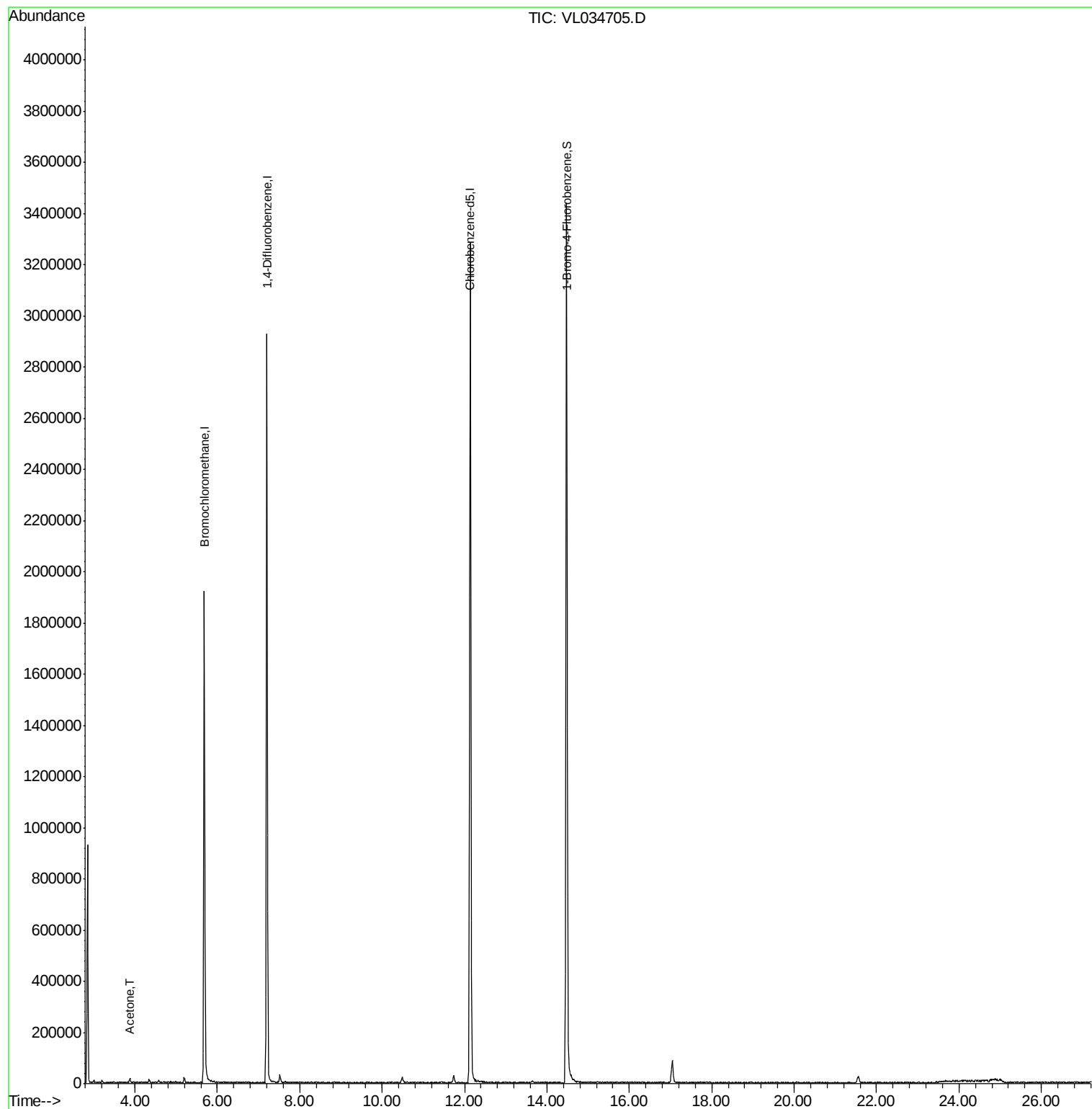
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	12641	0.119	ppbv	# 45

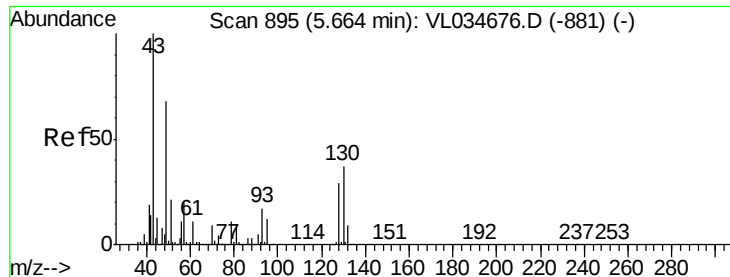
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

Lab File: VL034705.D

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MSVOA_L

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VL0227ABL01

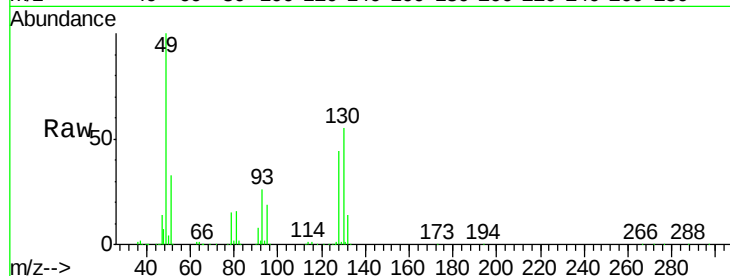
Tot Ion: 49 Resp: 930586

Ion Ratio Lower Upper

49 100

128 43.6 21.6 65.0

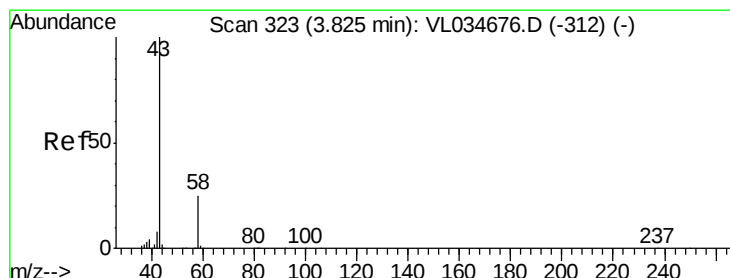
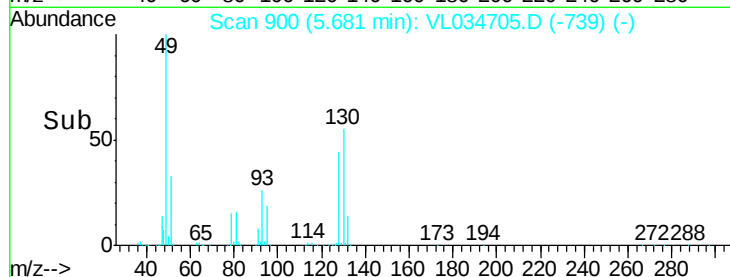
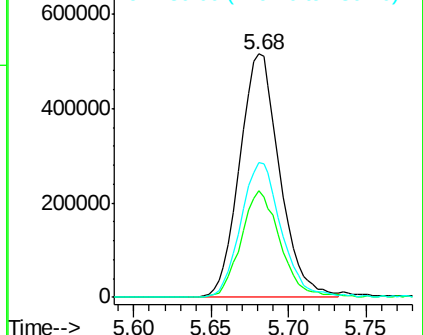
130 57.0 27.7 83.1



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



#15

Acetone

Concen: 0.119 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.05 min

Lab File: VL034705.D

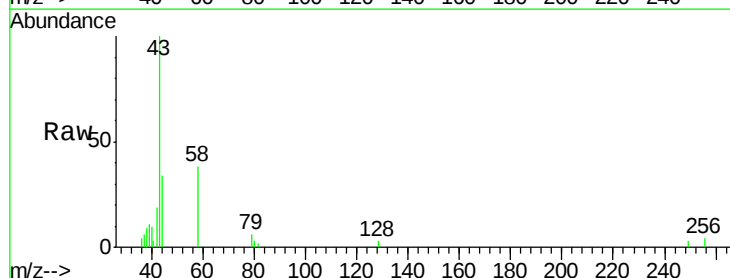
Acq: 27 Feb 2020 11:57

Tgt Ion: 43 Resp: 12641

Ion Ratio Lower Upper

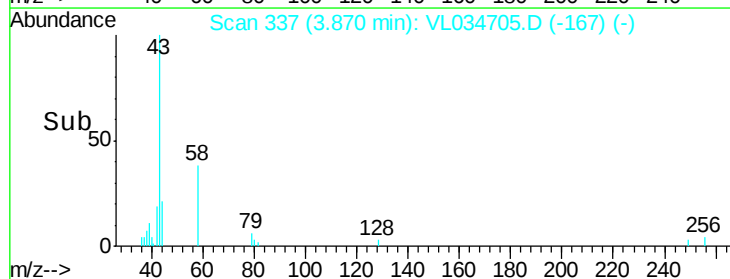
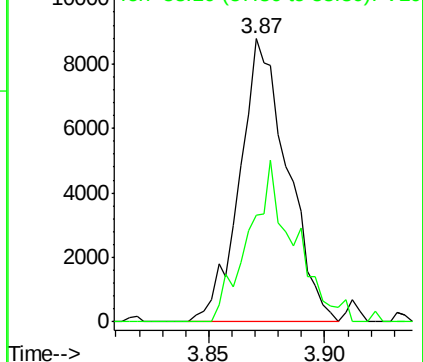
43 100

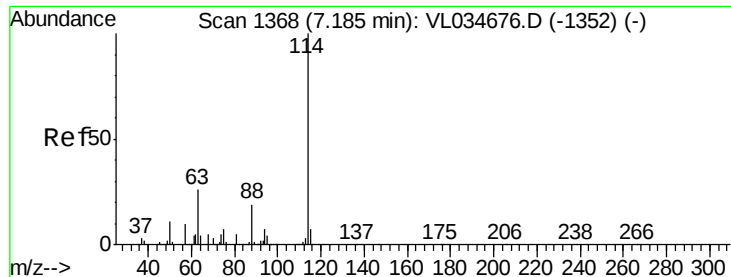
58 55.0 21.4 32.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

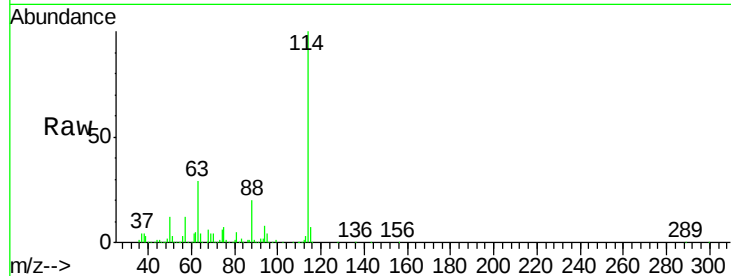




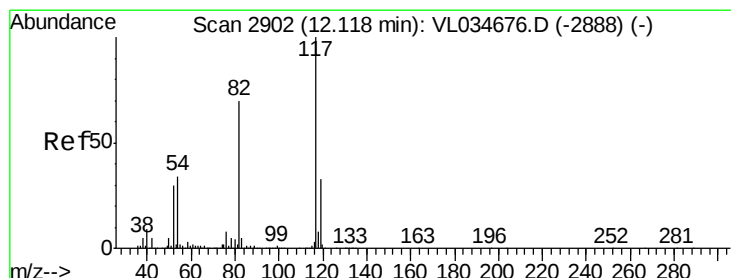
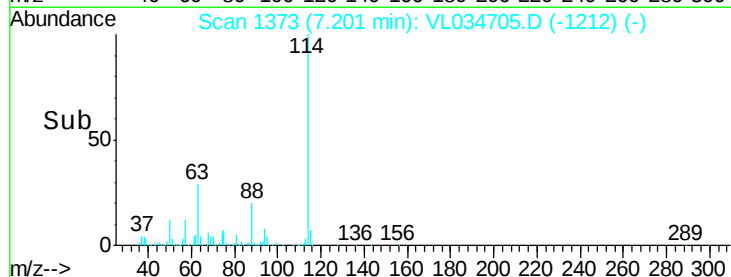
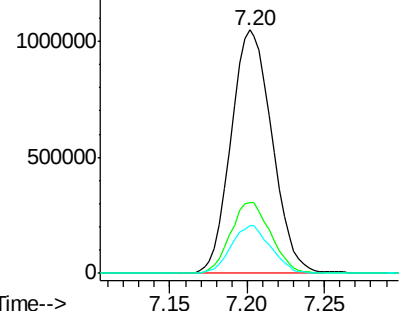
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.02 min
 Lab File: VL034705.D
 Acq: 27 Feb 2020 11:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABL01

Tot Ion:114 Resp: 1934832
 Ion Ratio Lower Upper
 114 100
 63 28.9 22.9 34.3
 88 19.2 15.8 23.6

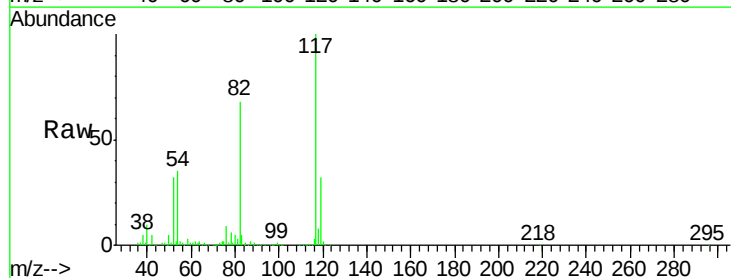


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

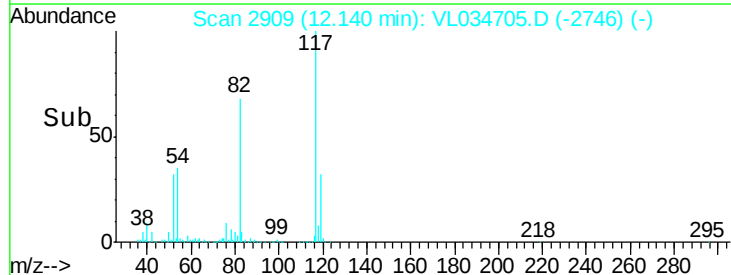
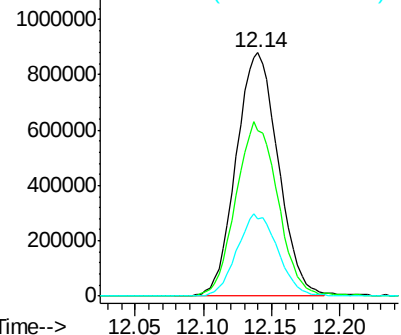


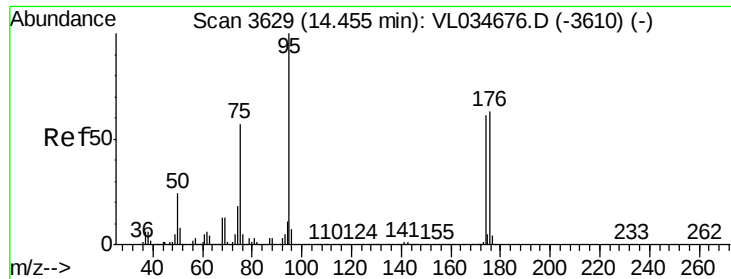
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.14 min Scan# 2909
 Delta R.T. 0.02 min
 Lab File: VL034705.D
 Acq: 27 Feb 2020 11:57

Tgt Ion:117 Resp: 1882197
 Ion Ratio Lower Upper
 117 100
 82 72.0 54.1 81.1
 119 33.1 27.6 41.4



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: 10.413 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. 0.02 min

Lab File: VL034705.D

Acq: 27 Feb 2020 11:57

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABL01

Tot Ion: 95 Resp: 1607053

Ion Ratio Lower Upper

95 100

174 63.9 50.7 76.1

175 4.5 3.9 5.9

