

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
 Data File : VL034279.D
 Acq On : 14 Oct 2019 12:38
 Operator : SY/AP
 Sample : VL1014ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABL01

Quant Time: Oct 15 02:48:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1079667	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1860855	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1841903	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1614282	10.09	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

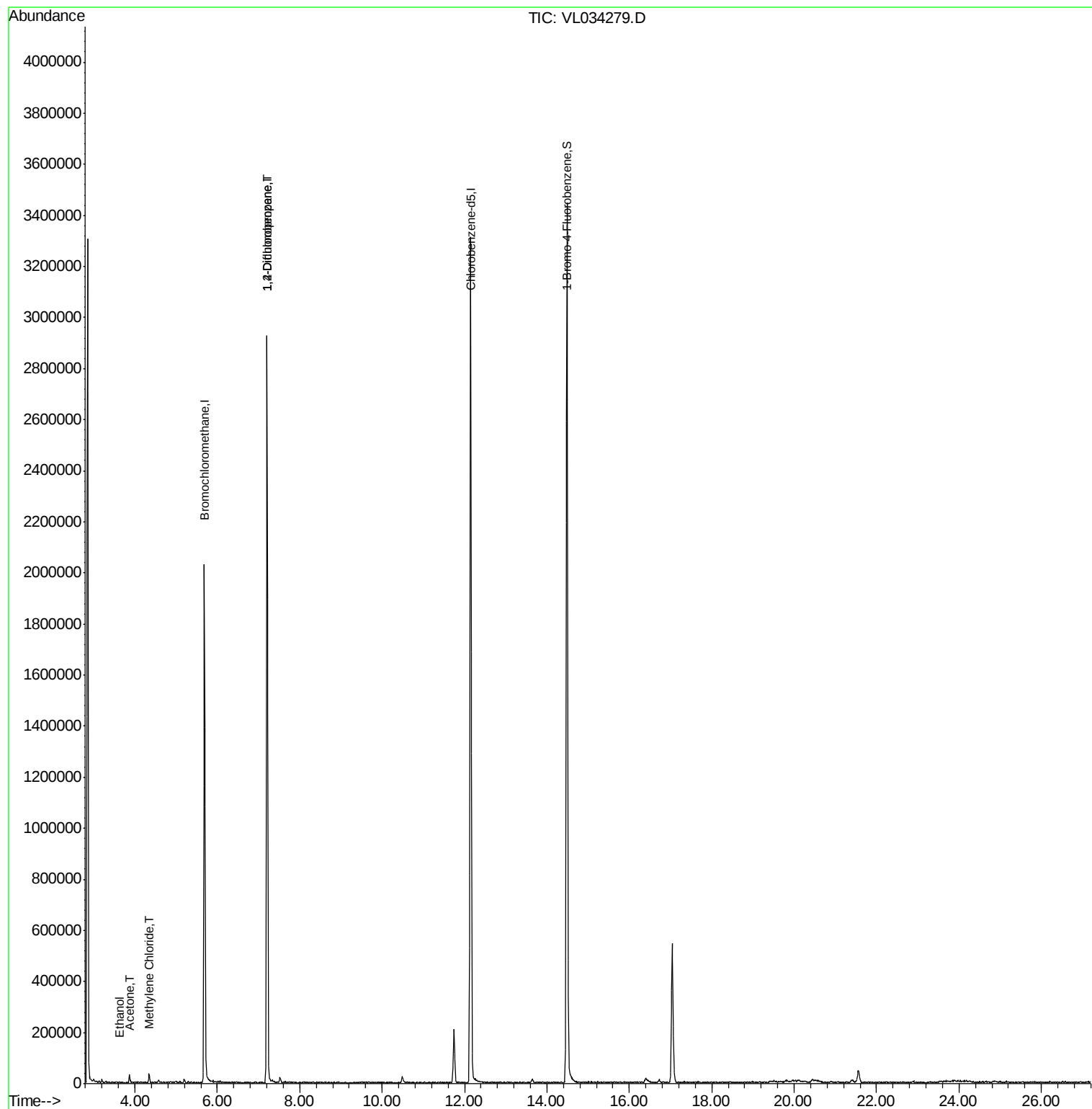
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.61	45	1175	0.078	ppbv #	36
15) Acetone	3.87	43	28360	0.196	ppbv #	87
20) Methylene Chloride	4.34	84	5073	0.122	ppbv #	85
39) 1,2-Dichloropropane	7.21	63	597511	6.471	ppbv #	20

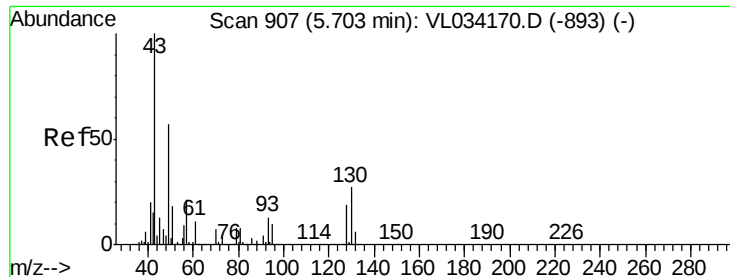
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034279.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1014ABL01

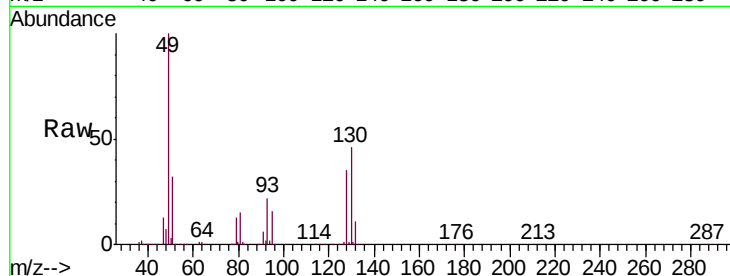
Tgt Ion: 49 Resp: 1079667

Ion Ratio Lower Upper

49 100

128 36.4 17.6 52.9

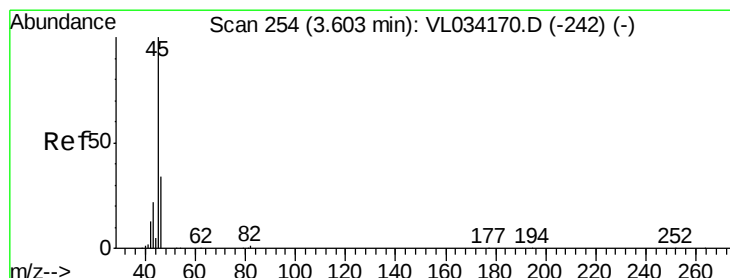
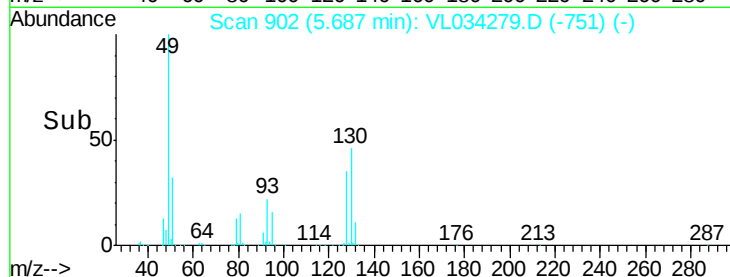
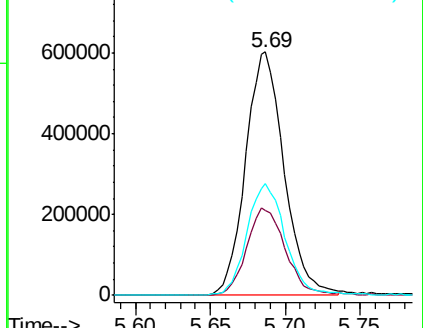
130 46.3 22.3 66.9



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: 0.078 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL034279.D

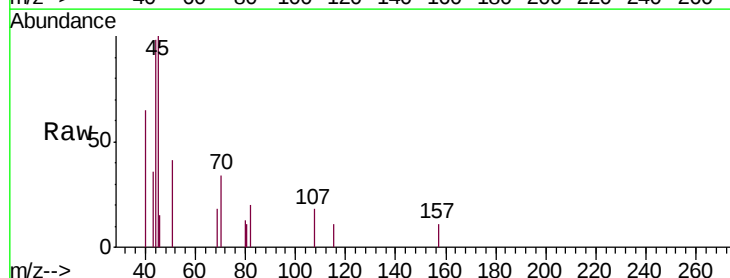
Acq: 14 Oct 2019 12:38

Tgt Ion: 45 Resp: 1175

Ion Ratio Lower Upper

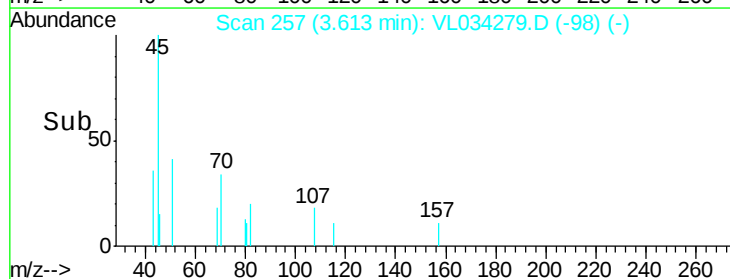
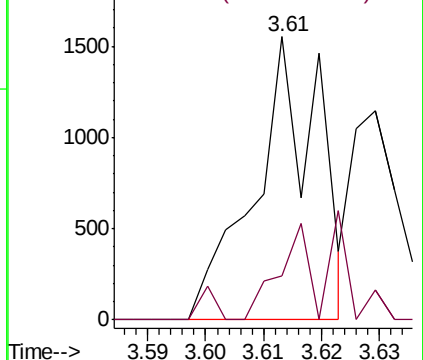
45 100

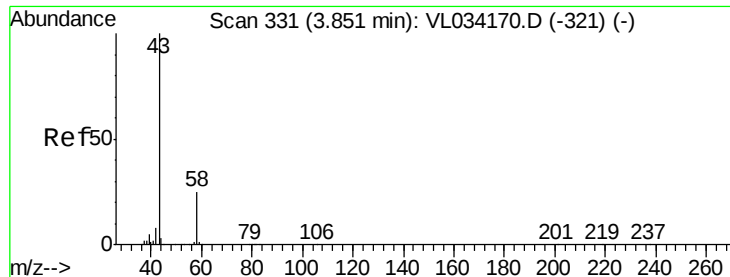
46 0.0 15.5 61.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.196 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL034279.D

Acq: 14 Oct 2019 12:38

Instrument :

MSVOA_L

ClientSampleId :

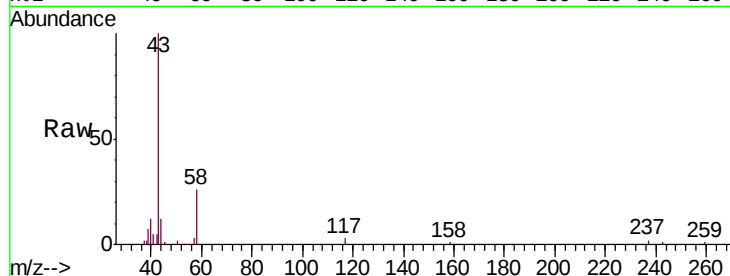
VL1014ABL01

Tgt Ion: 43 Resp: 28360

Ion Ratio Lower Upper

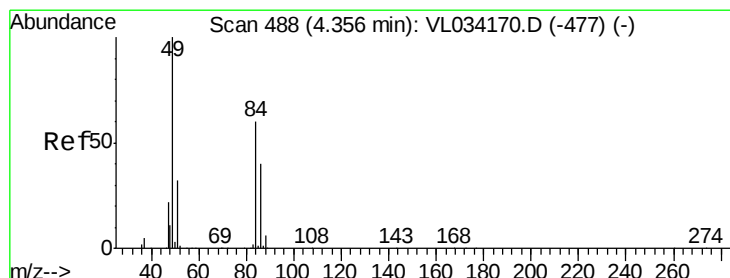
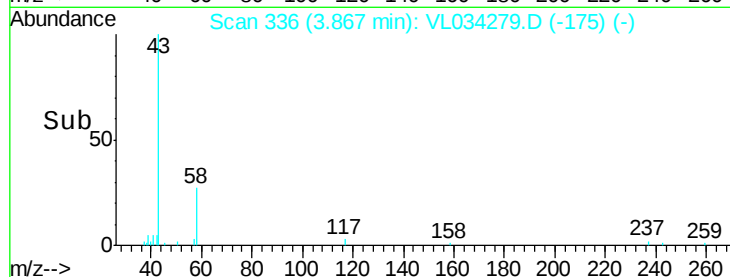
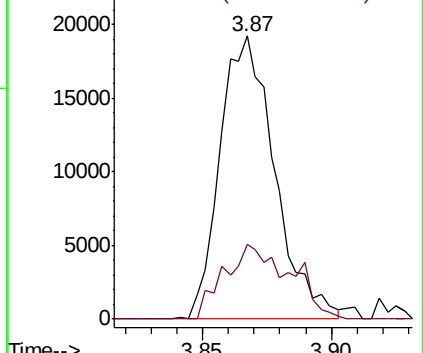
43 100

58 32.2 20.5 30.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.122 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL034279.D

Acq: 14 Oct 2019 12:38

Tgt Ion: 84 Resp: 5073

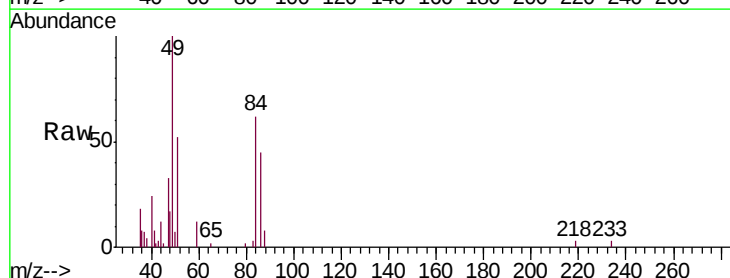
Ion Ratio Lower Upper

84 100

49 150.0 133.8 200.8

51 84.0 43.6 65.4#

86 66.2 53.1 79.7

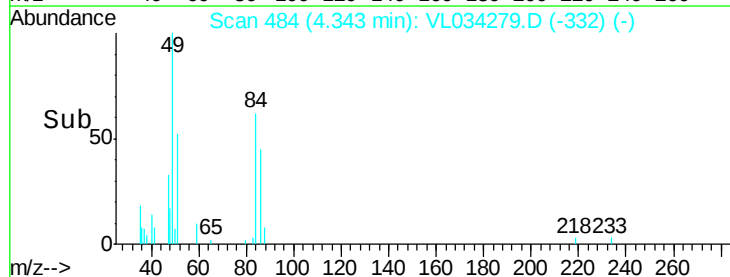
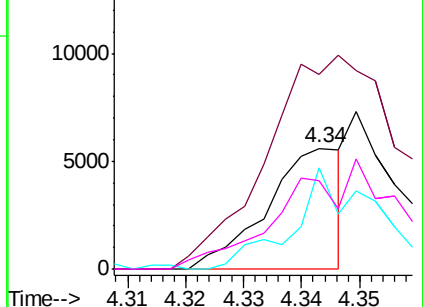


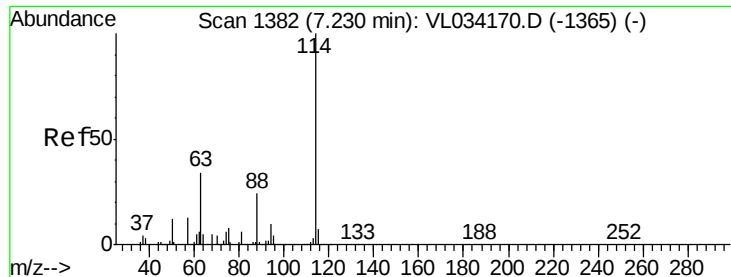
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

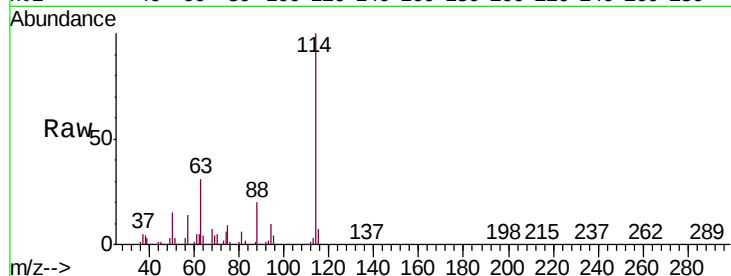




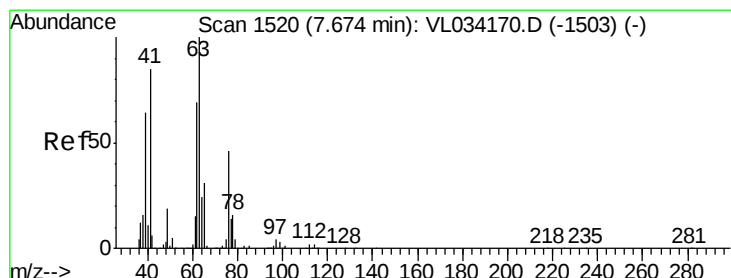
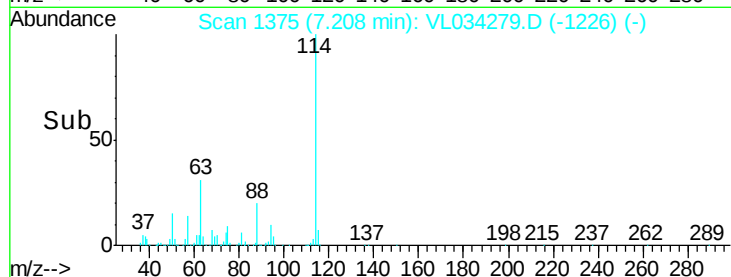
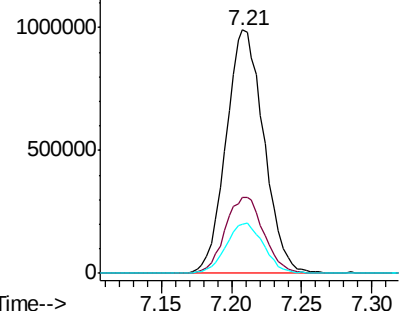
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VL034279.D
 Acq: 14 Oct 2019 12:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABL01

Tgt Ion: 114 Resp: 1860855
 Ion Ratio Lower Upper
 114 100
 63 32.2 27.8 41.6
 88 20.5 17.1 25.7

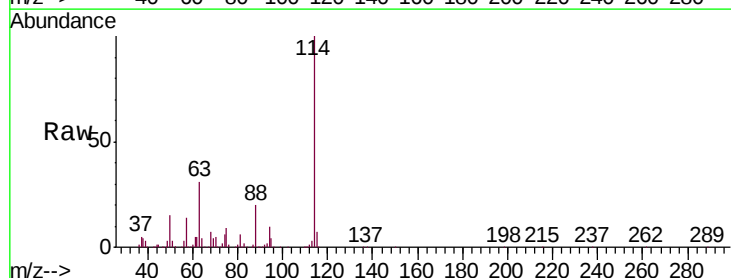


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

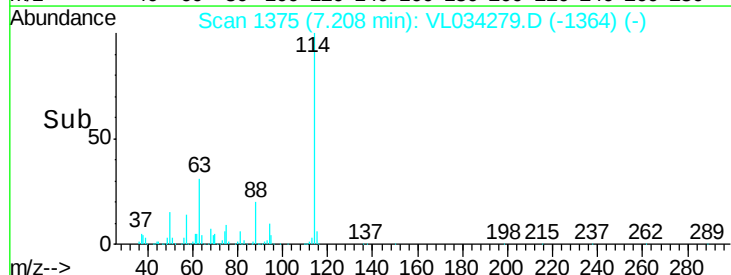
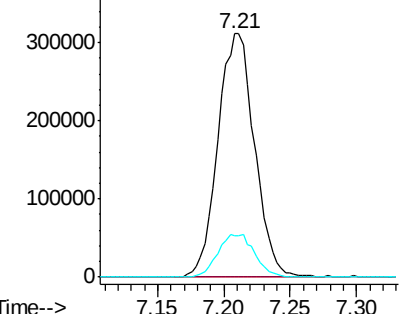


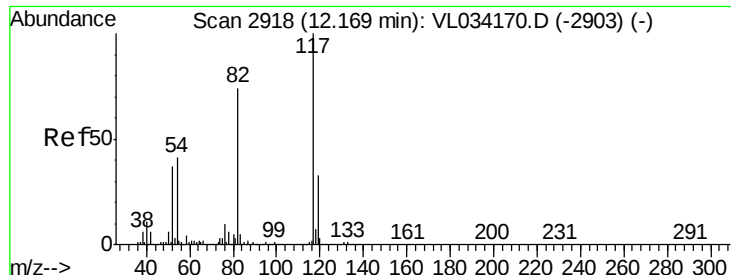
#39
 1,2-Dichloropropane
 Concen: 6.471 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.47 min
 Lab File: VL034279.D
 Acq: 14 Oct 2019 12:38

Tgt Ion: 63 Resp: 597511
 Ion Ratio Lower Upper
 63 100
 41 0.0 68.4 102.6#
 62 17.2 55.4 83.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

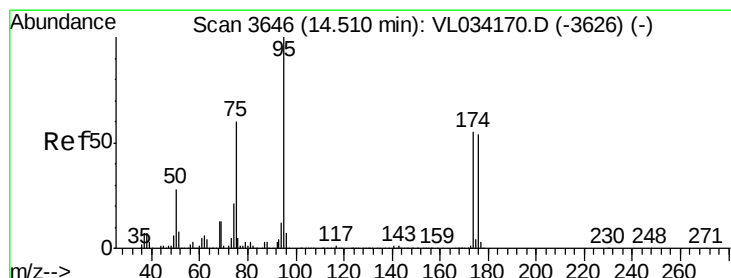
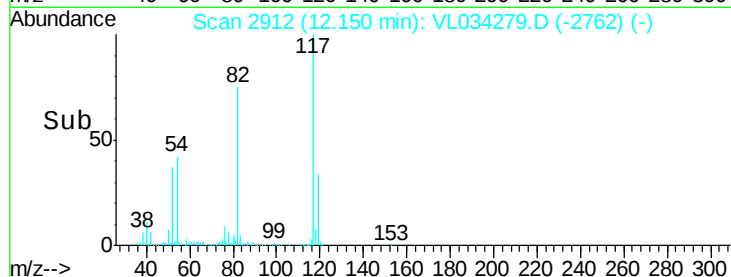
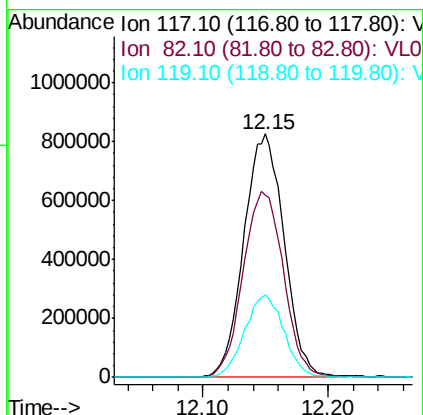
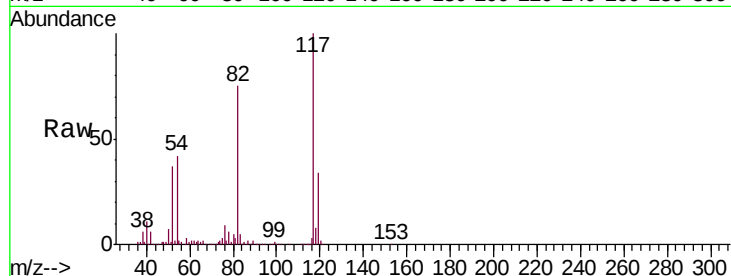




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034279.D
Acq: 14 Oct 2019 12:38

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABL01

Tgt Ion:117 Resp: 1841903
Ion Ratio Lower Upper
117 100
82 77.2 58.2 87.4
119 33.1 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.086 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. -0.03 min
Lab File: VL034279.D
Acq: 14 Oct 2019 12:38

Tgt Ion: 95 Resp: 1614282
Ion Ratio Lower Upper
95 100
174 56.4 45.1 67.7
175 4.1 3.3 4.9

