

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
 Data File : VL034294.D
 Acq On : 14 Oct 2019 23:18
 Operator : SY/AP
 Sample : QC101119 CAN 10296
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101119 CAN 10296

Quant Time: Oct 15 06:43:37 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	971280	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1620560	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1603776	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1433410	10.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

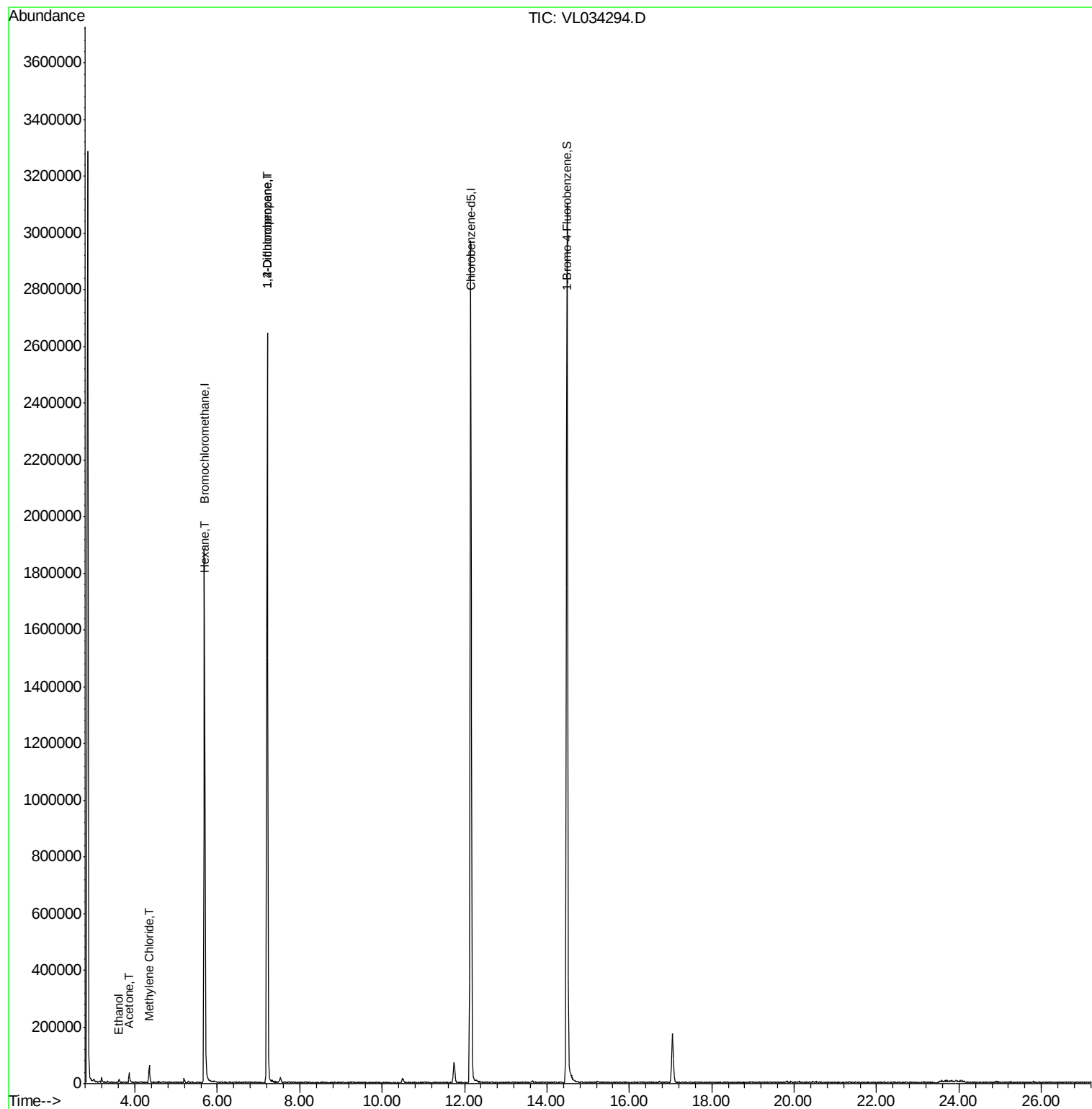
Target Compounds					Qvalue	
13) Ethanol	3.61	45	5197	0.382	ppbv #	36
15) Acetone	3.86	43	31017	0.238	ppbv #	83
20) Methylene Chloride	4.34	84	17093	0.455	ppbv #	78
26) Hexane	5.70	57	13574	0.133	ppbv #	41
39) 1,2-Dichloropropane	7.21	63	540179	6.717	ppbv #	19

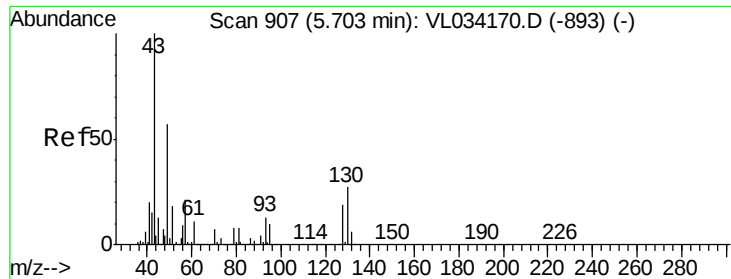
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034294.D

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MSVOA_L

ClientSampleId :

QC101119 CAN 10296

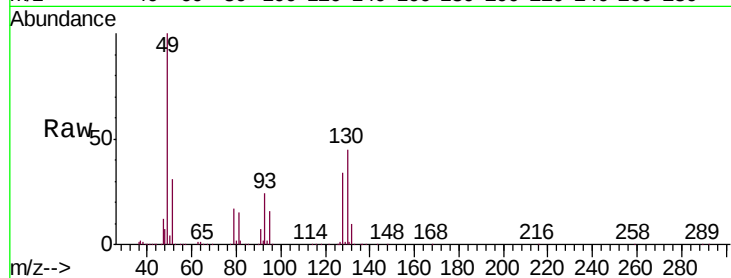
Tgt Ion: 49 Resp: 971280

Ion Ratio Lower Upper

49 100

128 34.7 17.6 52.9

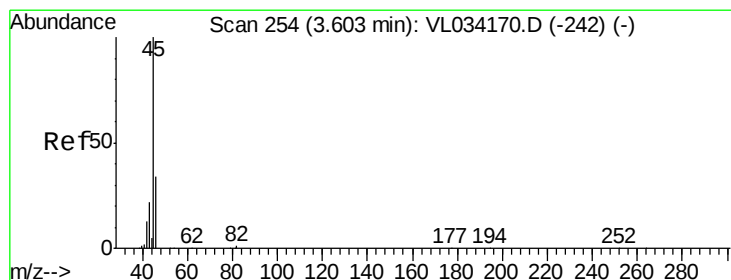
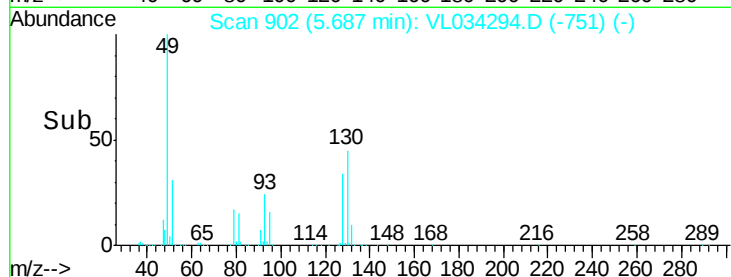
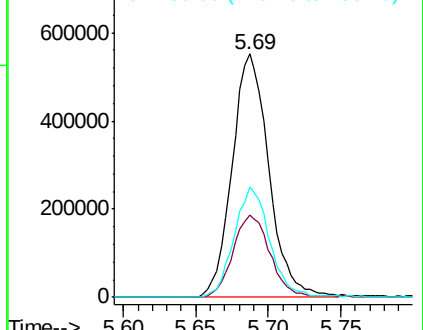
130 44.5 22.3 66.9



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: 0.382 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL034294.D

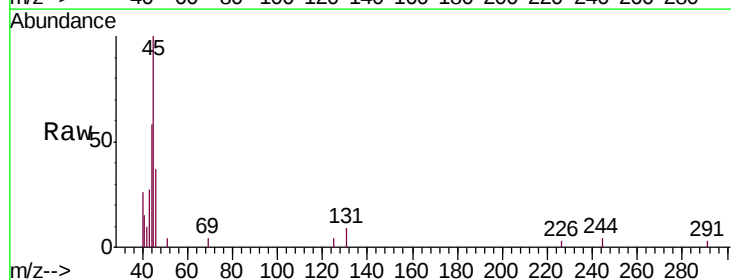
Acq: 14 Oct 2019 23:18

Tgt Ion: 45 Resp: 5197

Ion Ratio Lower Upper

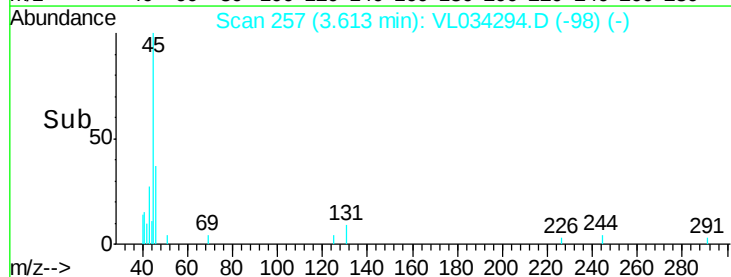
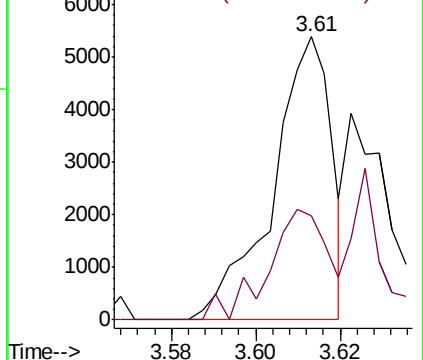
45 100

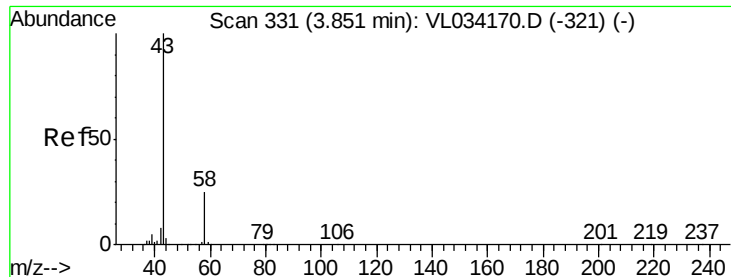
46 0.0 15.5 61.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.238 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL034294.D

Acq: 14 Oct 2019 23:18

Instrument :

MSVOA_L

ClientSampleId :

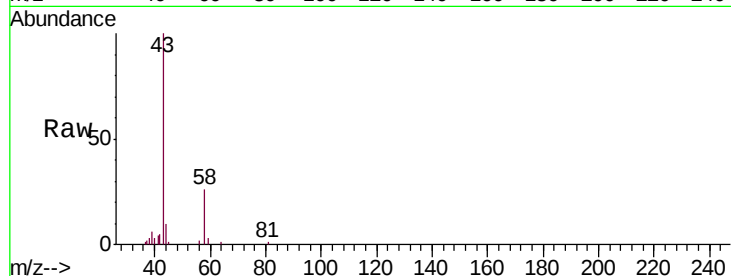
QC101119 CAN 10296

Tgt Ion: 43 Resp: 31017

Ion Ratio Lower Upper

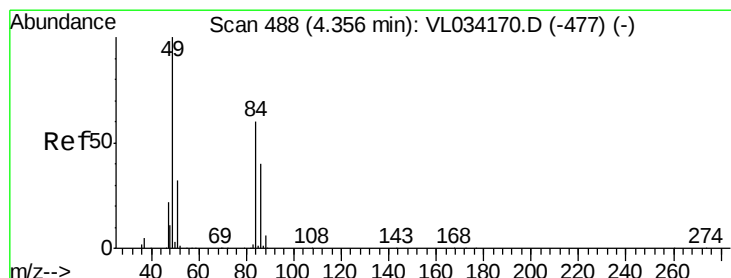
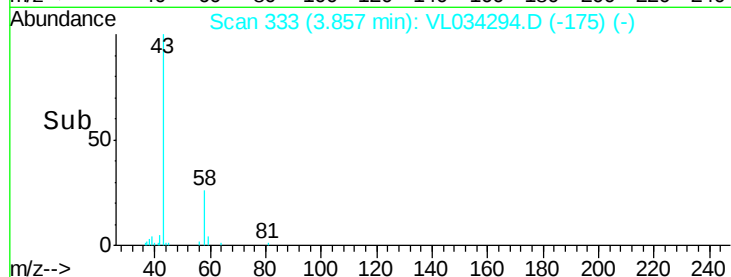
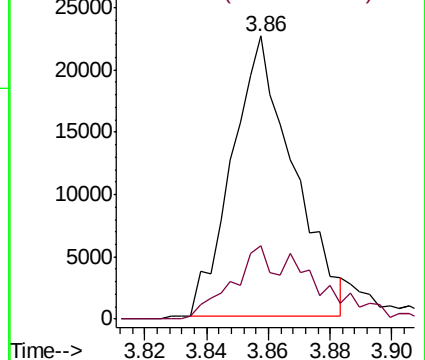
43 100

58 34.1 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: 0.455 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL034294.D

Acq: 14 Oct 2019 23:18

Tgt Ion: 84 Resp: 17093

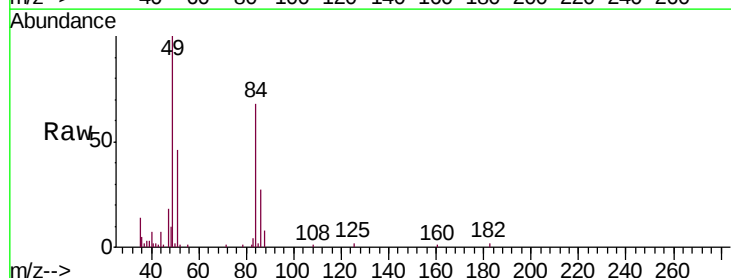
Ion Ratio Lower Upper

84 100

49 142.9 133.8 200.8

51 64.5 43.6 65.4

86 37.1 53.1 79.7#

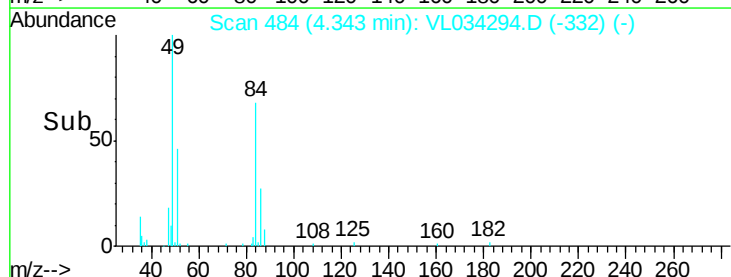
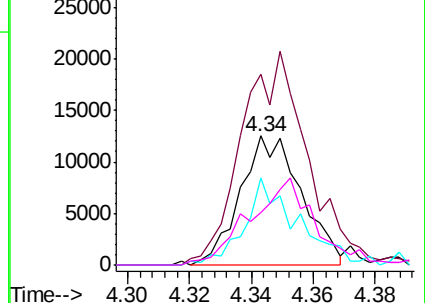


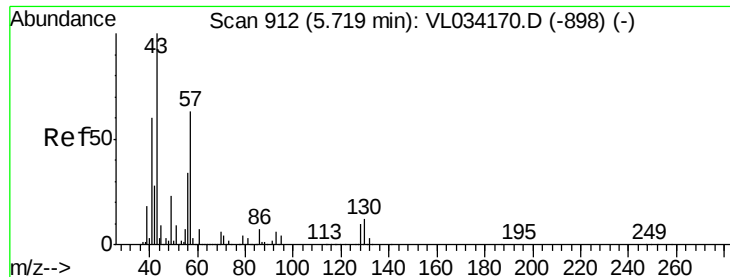
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

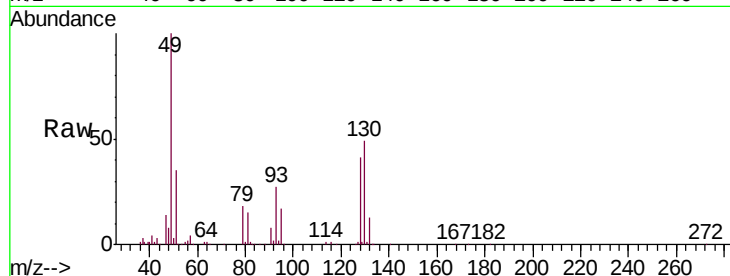




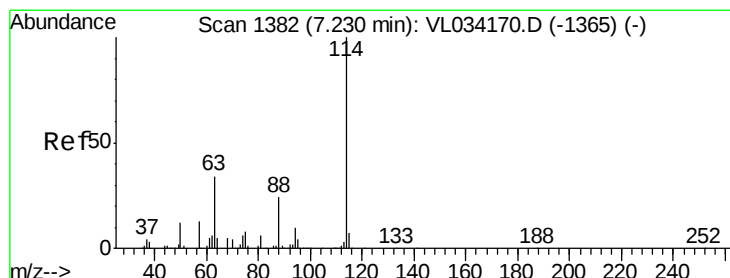
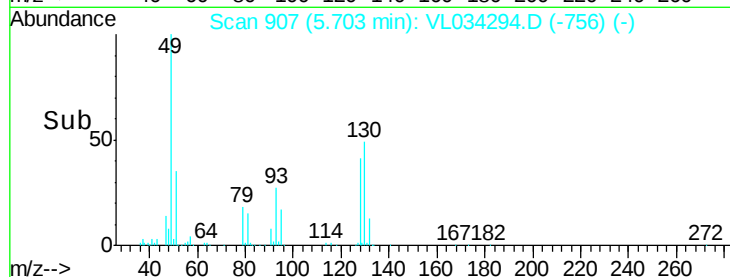
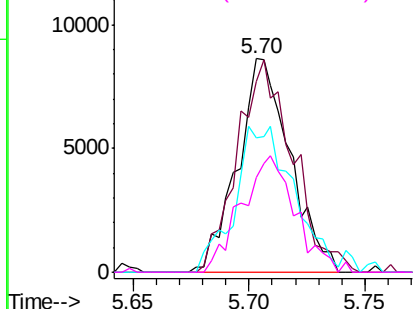
#26
Hexane
Concen: 0.133 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.02 min
Lab File: VL034294.D
Acq: 14 Oct 2019 23:18

Instrument :
MSVOA_L
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Tgt Ion: 57 Resp: 13574
Ion Ratio Lower Upper
57 100
41 105.5 78.5 117.7
43 79.2 189.5 284.3#
56 56.0 43.2 64.8

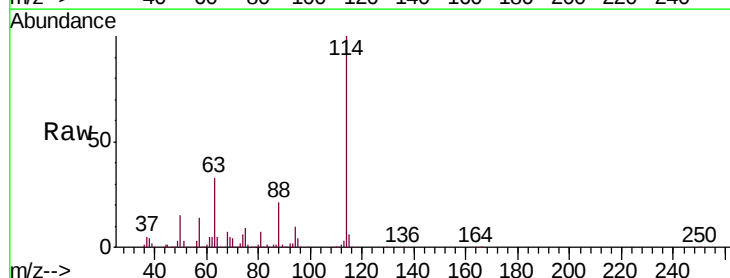


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

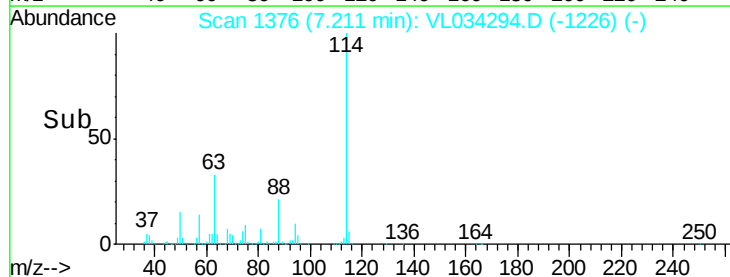
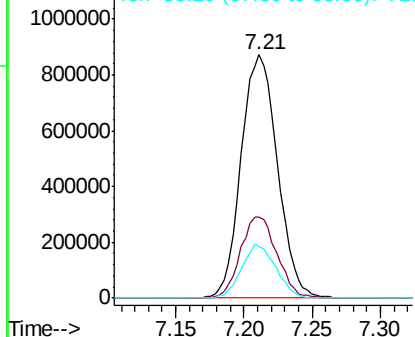


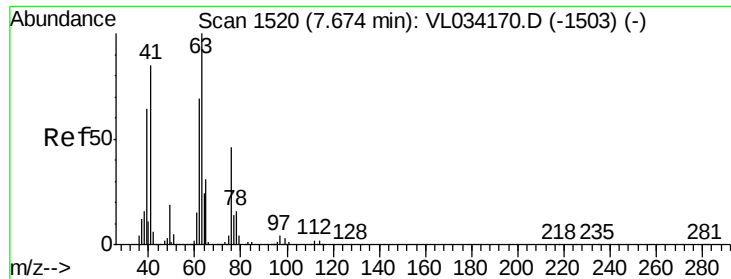
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034294.D
Acq: 14 Oct 2019 23:18

Tgt Ion: 114 Resp: 1620560
Ion Ratio Lower Upper
114 100
63 33.5 27.8 41.6
88 20.9 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

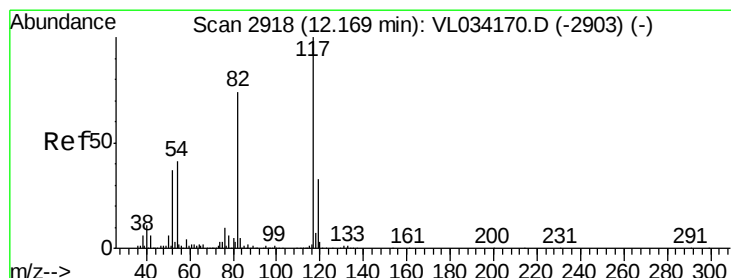
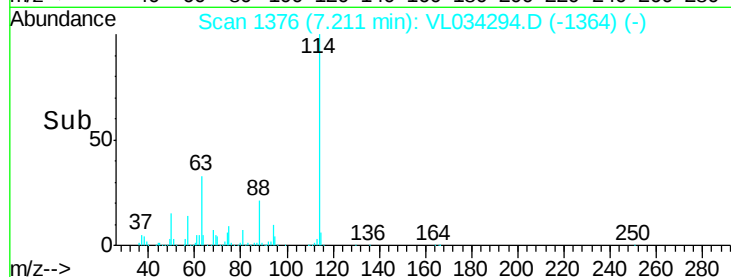
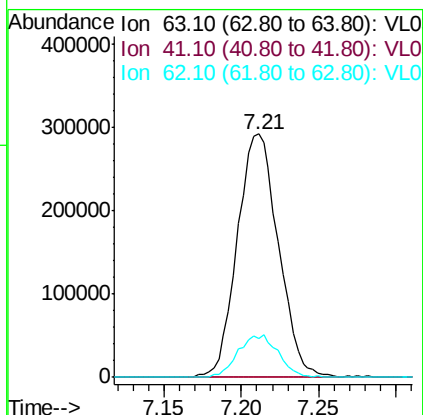
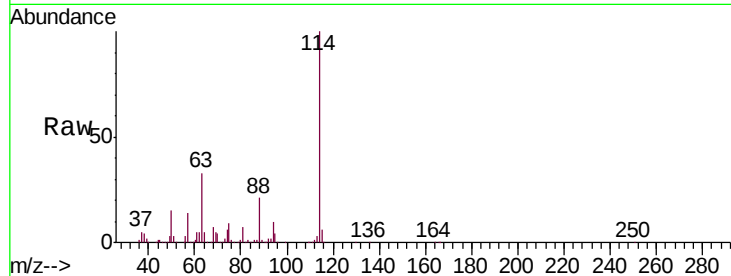




#39
 1,2-Dichloropropane
 Concen: 6.717 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034294.D
 Acq: 14 Oct 2019 23:18

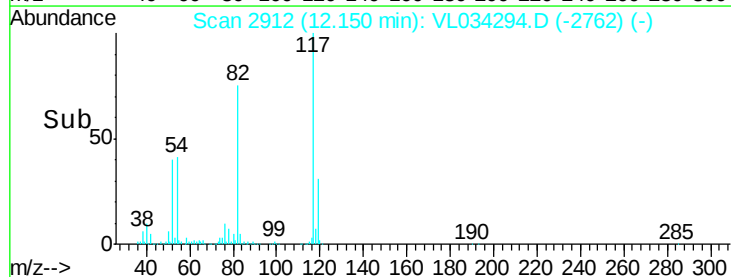
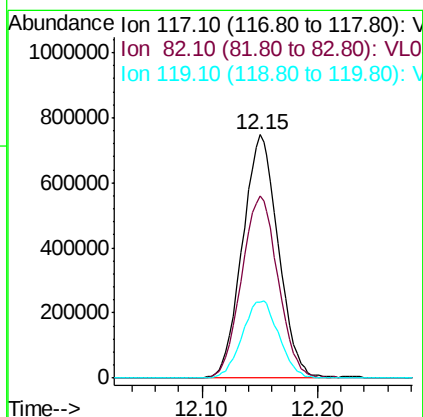
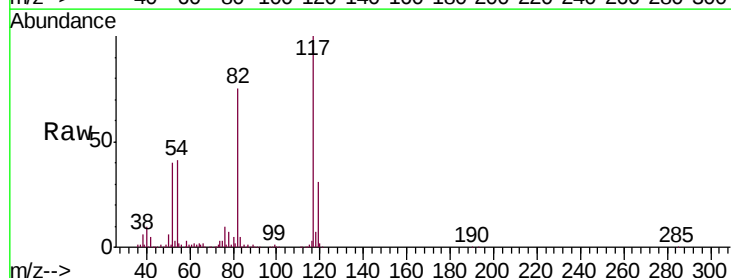
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 QC101119 CAN 10296

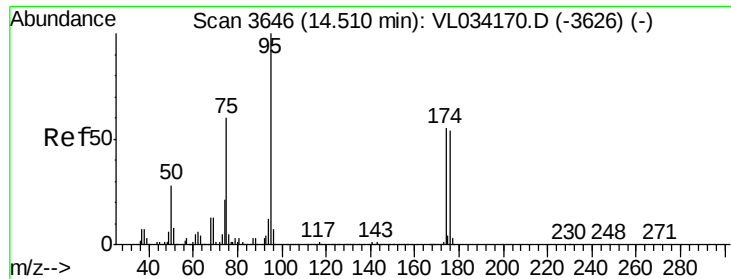
Tgt Ion: 63 Resp: 540179
 Ion Ratio Lower Upper
 63 100
 41 0.0 68.4 102.6#
 62 16.1 55.4 83.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.15 min Scan# 2912
 Delta R.T. -0.02 min
 Lab File: VL034294.D
 Acq: 14 Oct 2019 23:18

Tgt Ion: 117 Resp: 1603776
 Ion Ratio Lower Upper
 117 100
 82 76.5 58.2 87.4
 119 32.6 23.7 35.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.286 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. -0.02 min

Lab File: VL034294.D

Acq: 14 Oct 2019 23:18

Instrument :

MSVOA_L

ClientSampleId :

QC101119 CAN 10296

Tgt Ion: 95 Resp: 1433410

Ion Ratio Lower Upper

95 100

174 55.0 45.1 67.7

175 3.9 3.3 4.9

