

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
Data File : VL034101.D
Acq On : 12 Aug 2019 12:20
Operator : SY/AP
Sample : VL0812ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABL01

Quant Time: Aug 13 04:03:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1269734	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2400560	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2465377	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	2141527	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

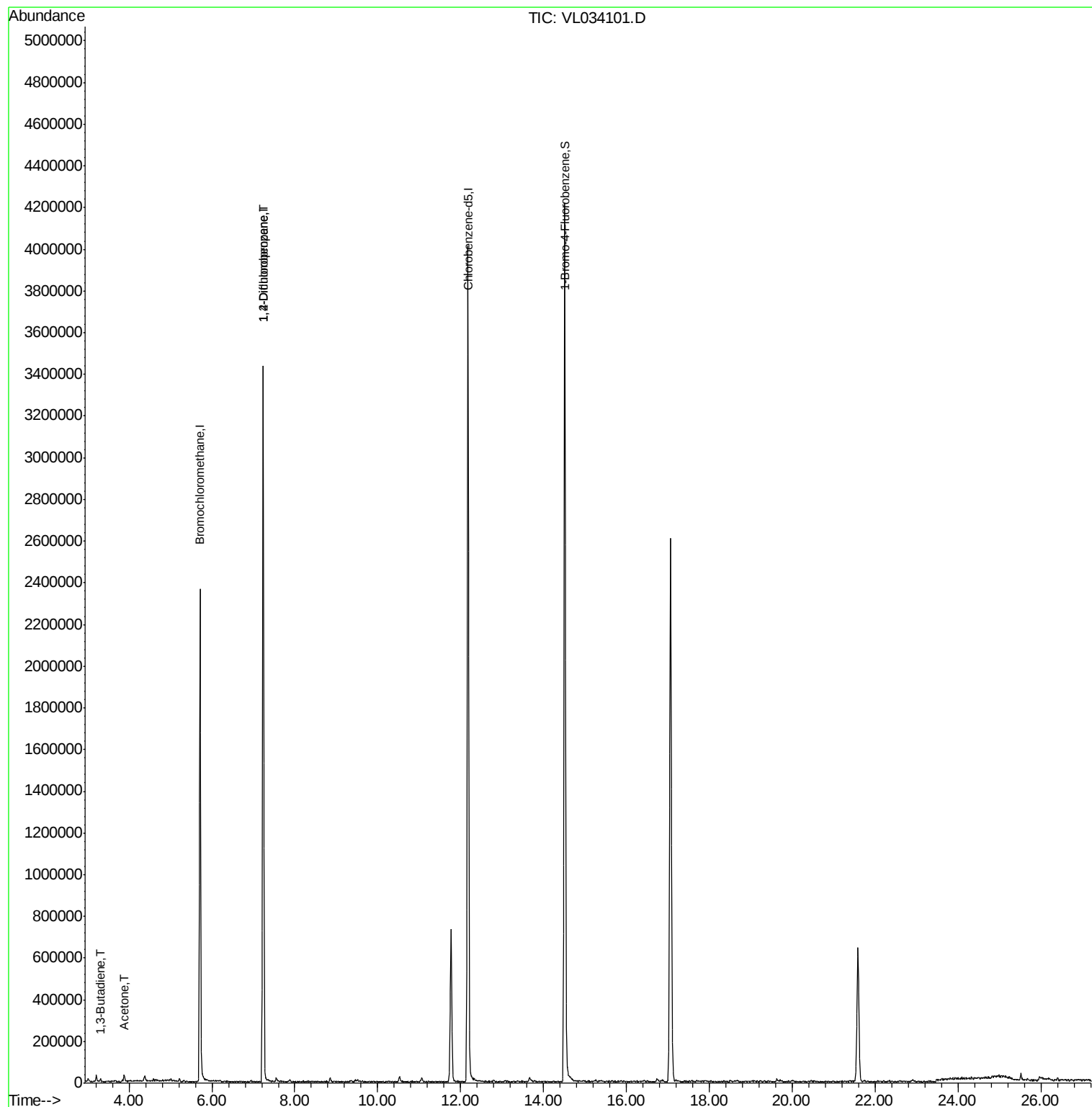
Target Compounds					Qvalue	
15) Acetone	3.88	43	32067	0.177	ppbv #	86
16) 1,3-Butadiene	3.31	39	2832	0.032	ppbv #	10
39) 1,2-Dichloropropane	7.23	63	714665	6.492	ppbv #	23

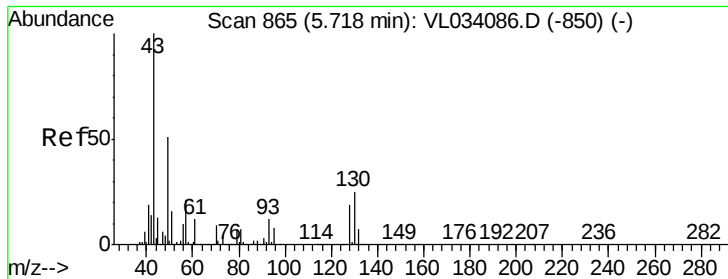
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 863

Delta R.T. -0.01 min

Lab File: VL034101.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0812ABL01

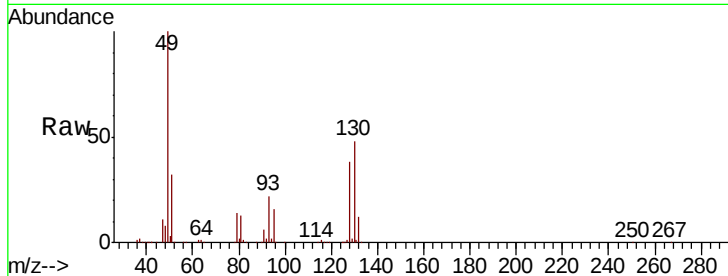
Tgt Ion: 49 Resp: 1269734

Ion Ratio Lower Upper

49 100

128 38.2 19.5 58.5

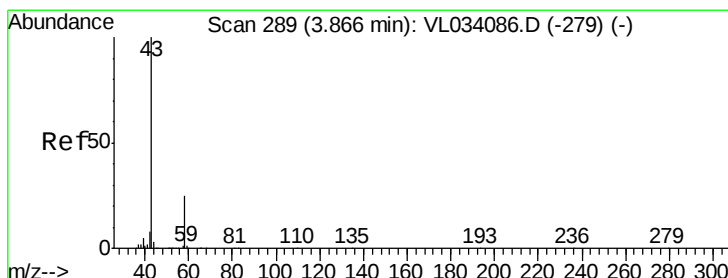
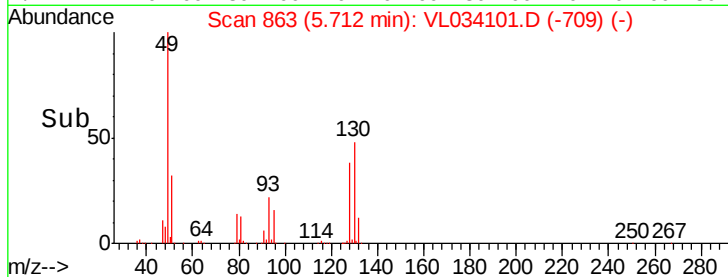
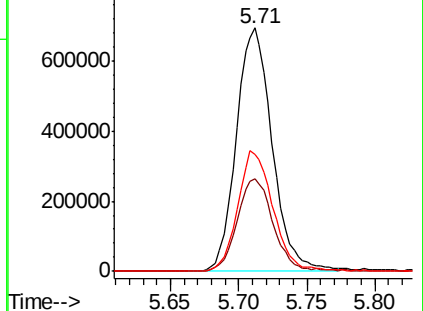
130 49.2 25.4 76.0



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: 0.177 ppbv

RT: 3.88 min Scan# 294

Delta R.T. 0.02 min

Lab File: VL034101.D

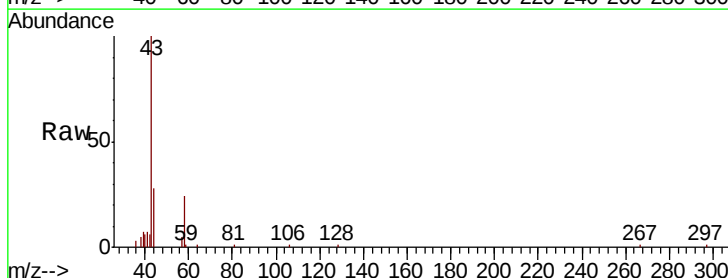
Acq: 12 Aug 2019 12:20

Tgt Ion: 43 Resp: 32067

Ion Ratio Lower Upper

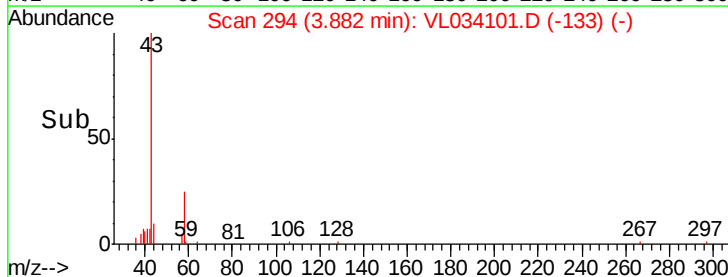
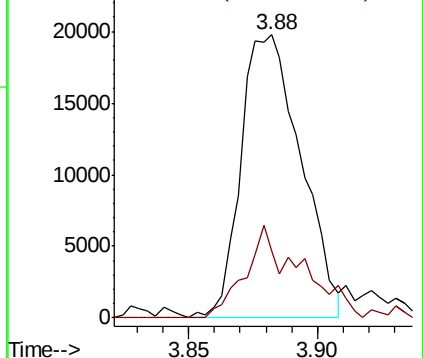
43 100

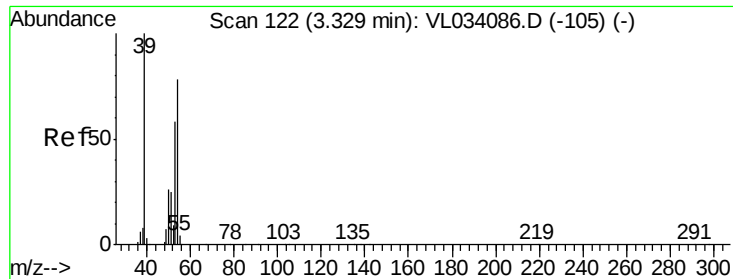
58 32.7 20.6 30.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

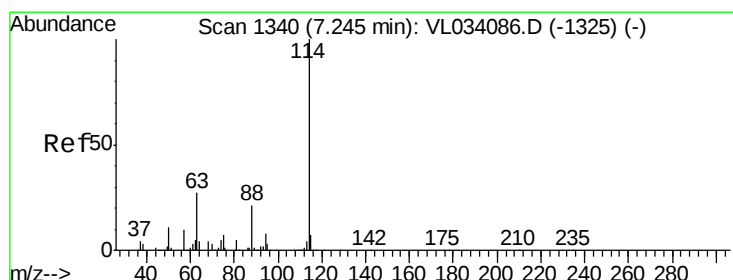
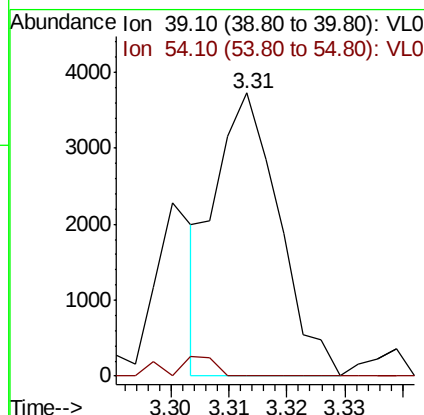
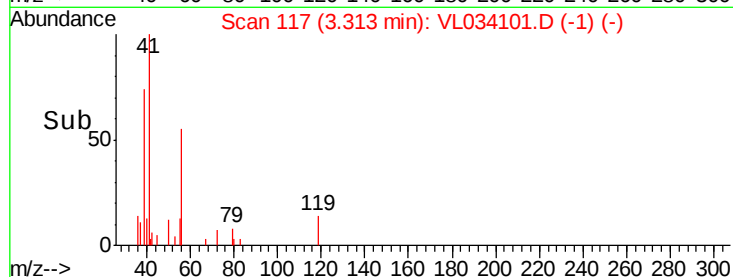
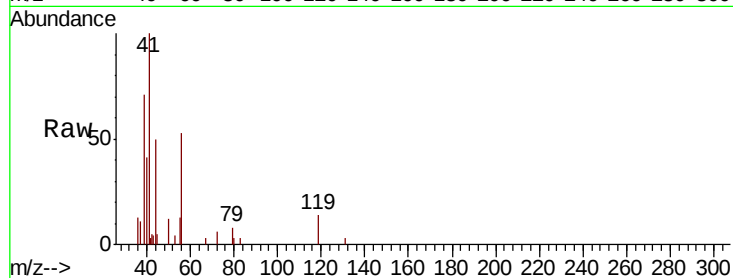




#16
 1,3-Butadiene
 Concen: 0.032 ppbv
 RT: 3.31 min Scan# 117
 Delta R.T. -0.02 min
 Lab File: VL034101.D
 Acq: 12 Aug 2019 12:20

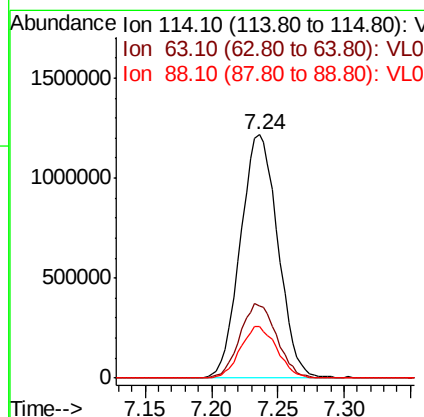
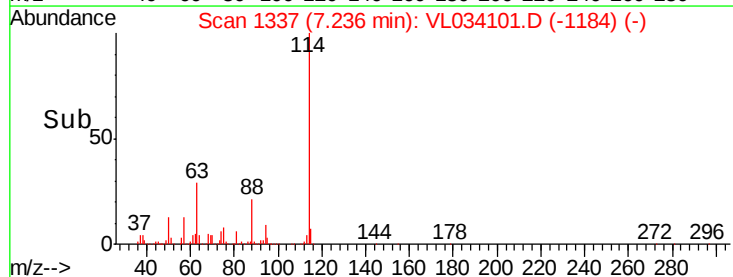
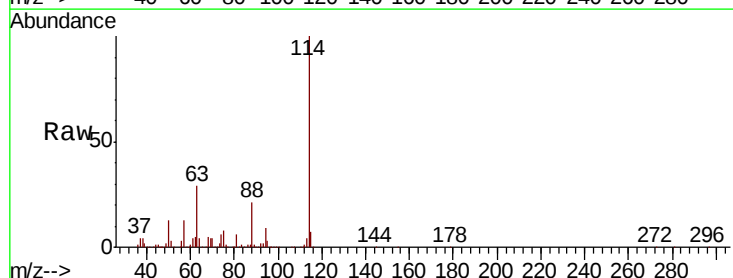
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABL01

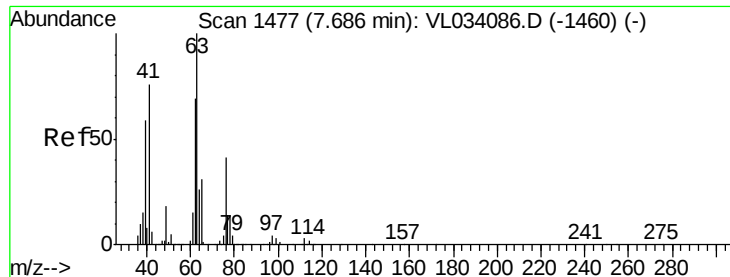
Tgt Ion: 39 Resp: 2832
 Ion Ratio Lower Upper
 39 100
 54 0.0 62.7 94.1#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.24 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VL034101.D
 Acq: 12 Aug 2019 12:20

Tgt Ion: 114 Resp: 2400560
 Ion Ratio Lower Upper
 114 100
 63 29.9 22.5 33.7
 88 20.5 15.7 23.5





#39

1,2-Dichloropropane

Concen: 6.492 ppbv

RT: 7.23 min Scan# 1336

Delta R.T. -0.45 min

Lab File: VL034101.D

Acq: 12 Aug 2019 12:20

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABL01

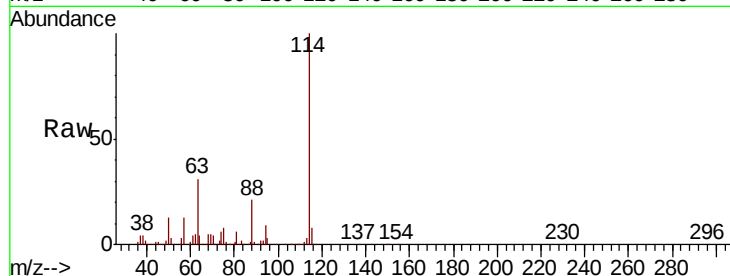
Tgt Ion: 63 Resp: 714665

Ion Ratio Lower Upper

63 100

41 0.1 60.6 91.0#

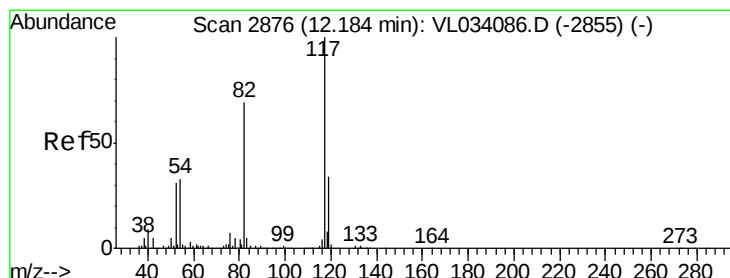
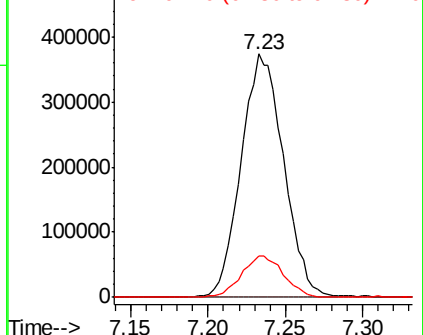
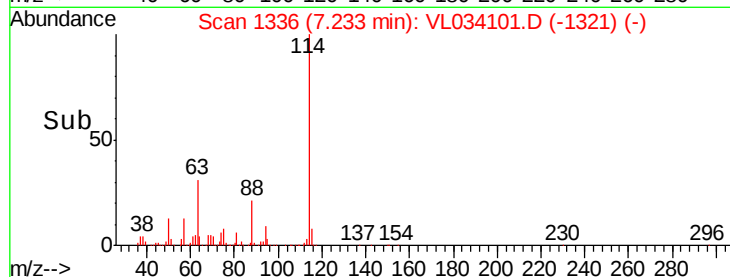
62 16.9 55.0 82.6#



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: 12.17 min Scan# 2873

Delta R.T. -0.01 min

Lab File: VL034101.D

Acq: 12 Aug 2019 12:20

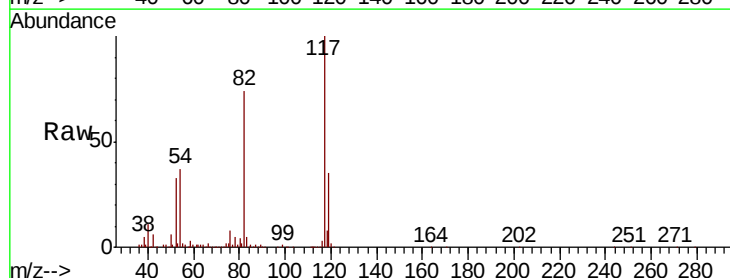
Tgt Ion: 117 Resp: 2465377

Ion Ratio Lower Upper

117 100

82 72.8 52.2 78.4

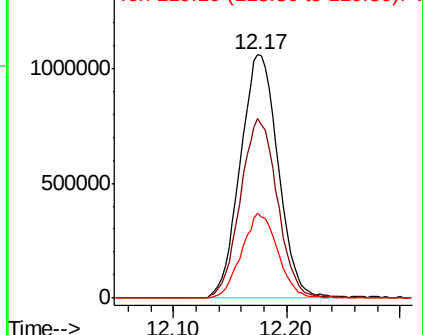
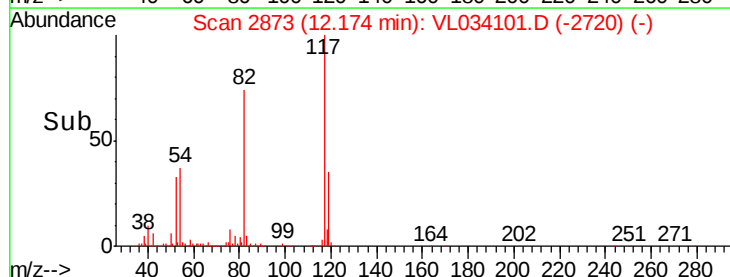
119 33.5 44.8 67.2#

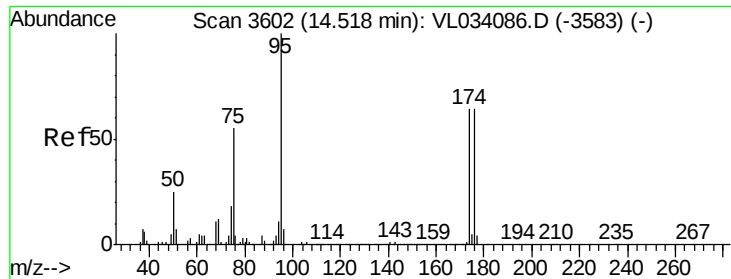


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.706 ppbv
 RT: 14.51 min Scan# 3600
 Delta R.T. -0.01 min
 Lab File: VL034101.D
 Acq: 12 Aug 2019 12:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABL01

Tgt Ion: 95 Resp: 2141527
 Ion Ratio Lower Upper
 95 100
 174 63.4 53.0 79.6
 175 4.8 4.2 6.2

