

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050219\
 Data File : VL033641.D
 Acq On : 2 May 2019 23:44
 Operator : SY/AP
 Sample : K2628-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-8DL

Quant Time: May 03 04:40:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1027765	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2275926	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2385017	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1914654	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

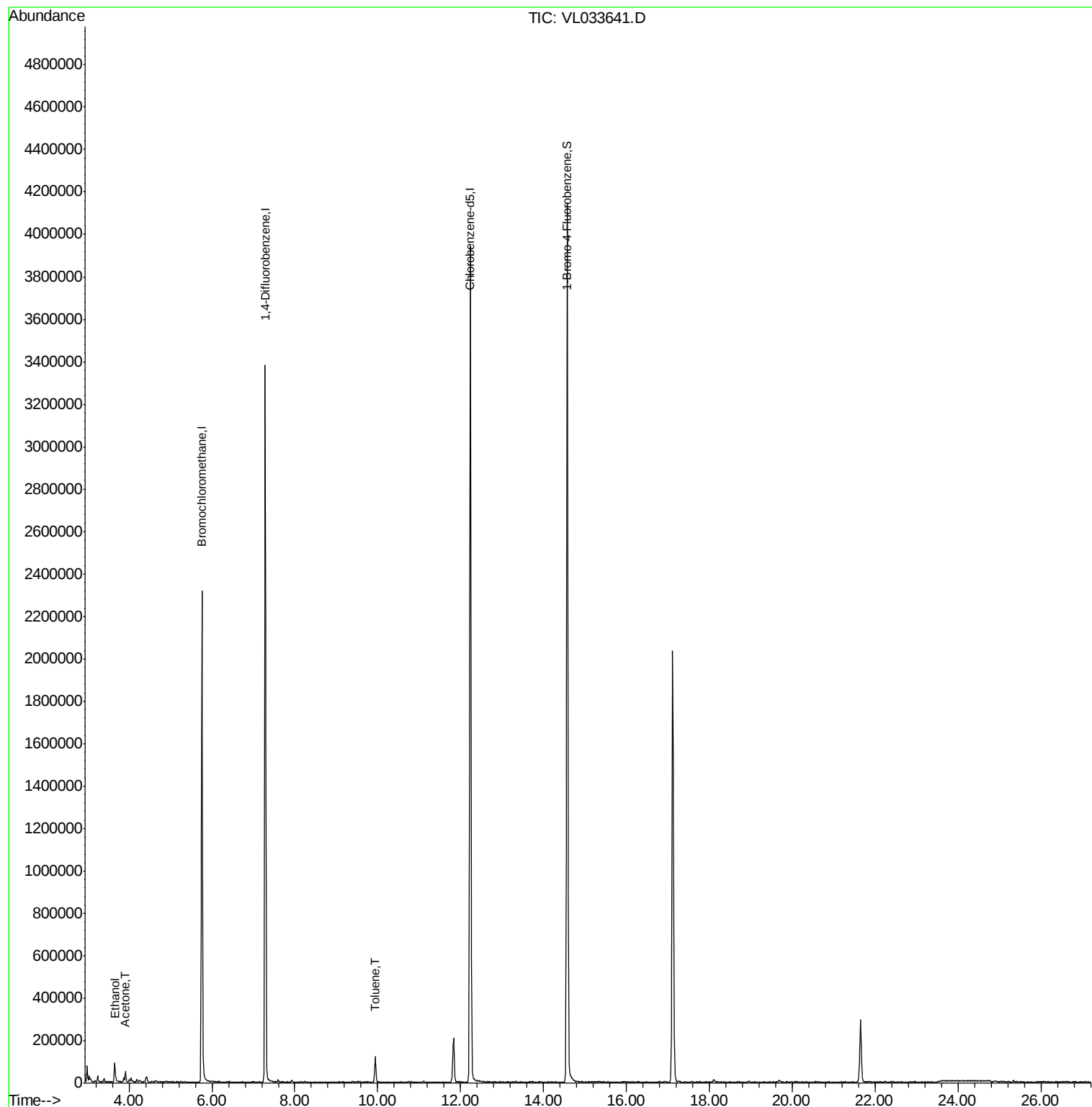
Target Compounds					Ovalue
13) Ethanol	3.65	45	86238	5.406 ppbv	96
15) Acetone	3.91	43	46448	0.371 ppbv	97
53) Toluene	9.95	91	86008	0.351 ppbv	99

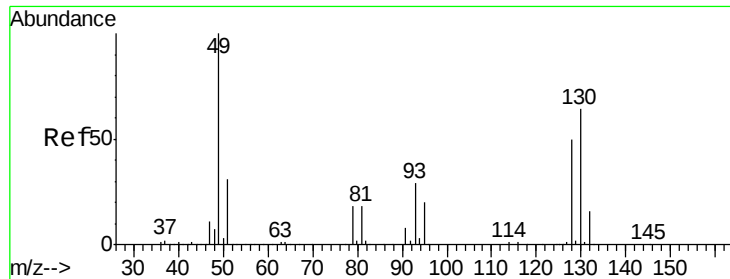
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033641.D

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Instrument :

MSVOA_L

ClientSampleId :

A-8DL

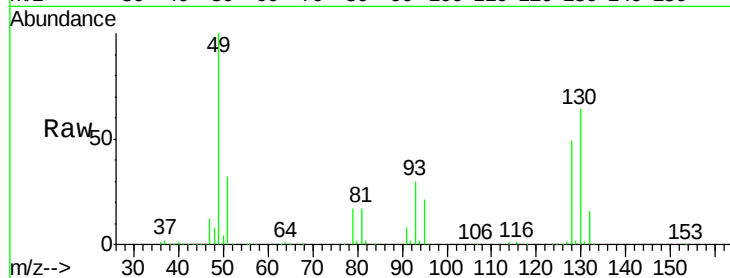
Tot Ion: 49 Resp: 1027765

Ion Ratio Lower Upper

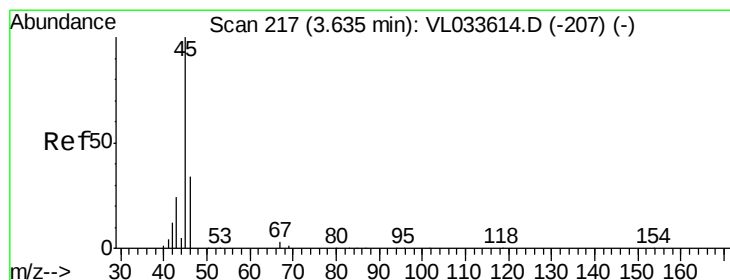
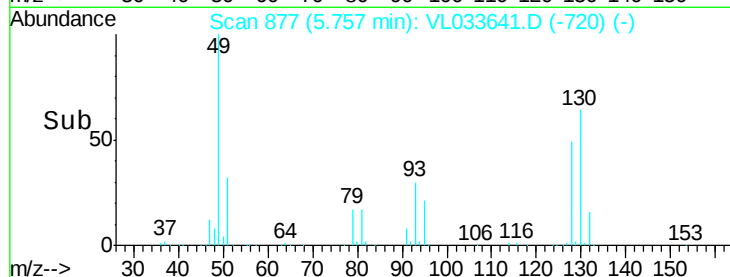
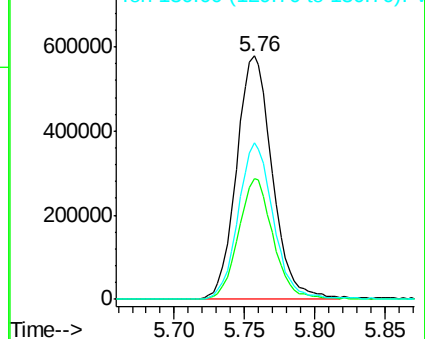
49 100

128 48.6 25.0 75.0

130 63.8 31.9 95.9



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: 5.406 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.02 min

Lab File: VL033641.D

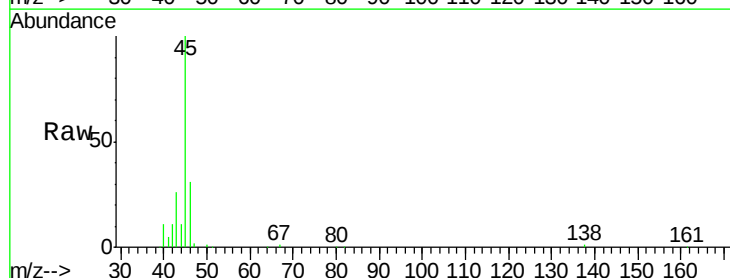
Acq: 2 May 2019 23:44

Tgt Ion: 45 Resp: 86238

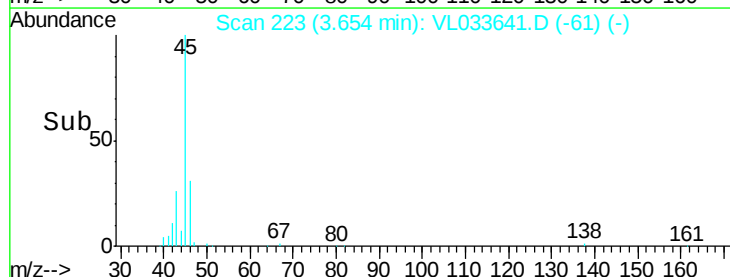
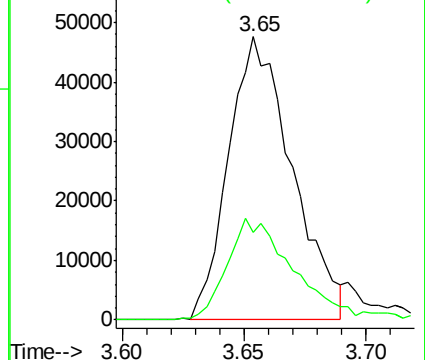
Ion Ratio Lower Upper

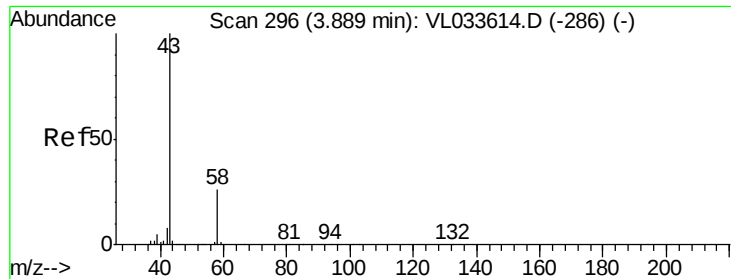
45 100

46 38.9 14.6 58.2



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.371 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.03 min

Lab File: VL033641.D

Acq: 2 May 2019 23:44

Instrument :

MSVOA_L

ClientSampleId :

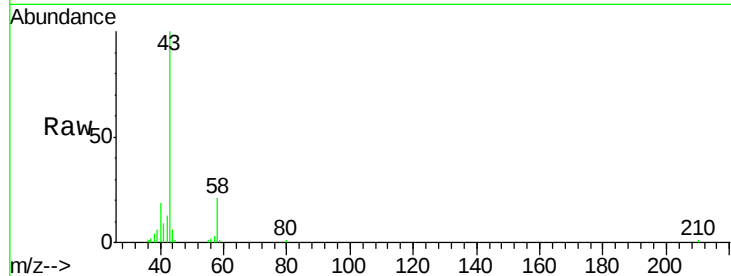
A-8DL

Tot Ion: 43 Resp: 46448

Ion Ratio Lower Upper

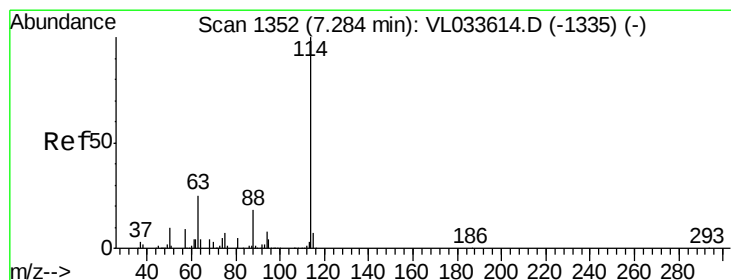
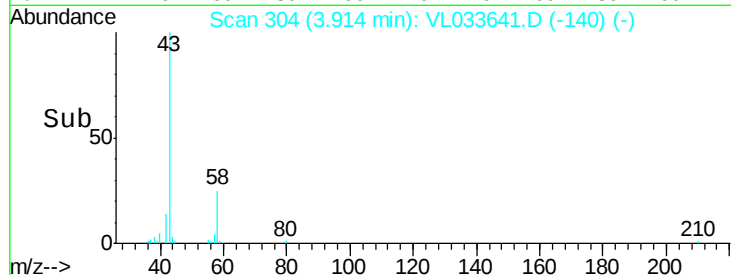
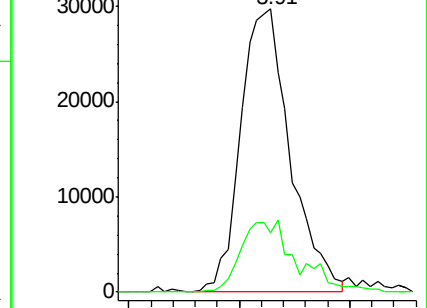
43 100

58 28.2 21.2 31.8



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: 7.29 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL033641.D

Acq: 2 May 2019 23:44

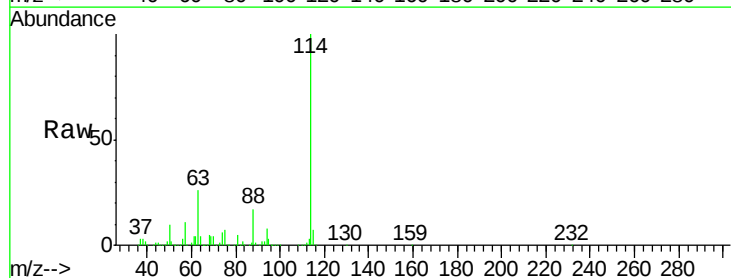
Tgt Ion: 114 Resp: 2275926

Ion Ratio Lower Upper

114 100

63 26.8 21.1 31.7

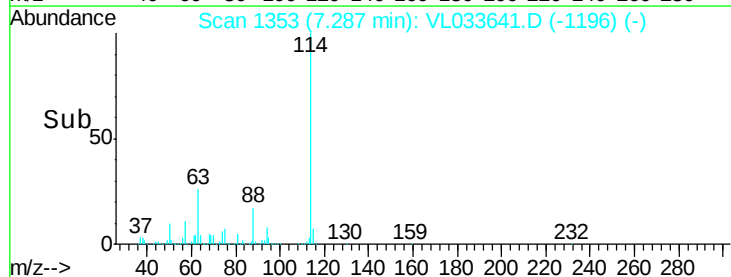
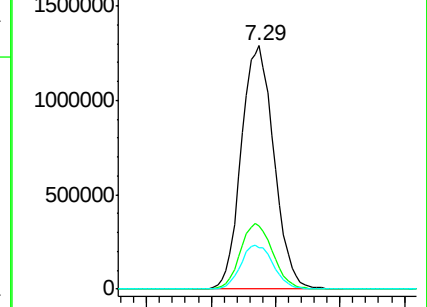
88 18.0 14.2 21.4

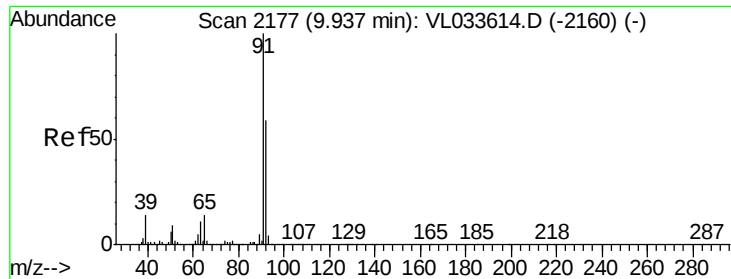


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.351 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL033641.D

Acq: 2 May 2019 23:44

Instrument :

MSVOA_L

ClientSampled :

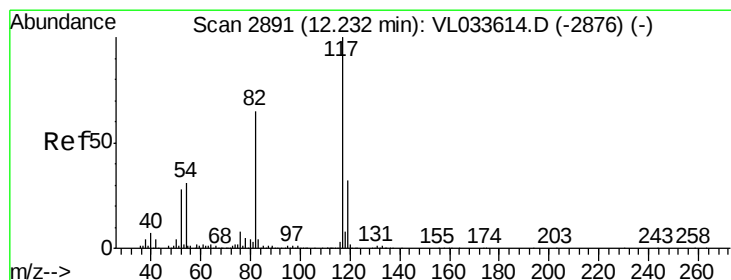
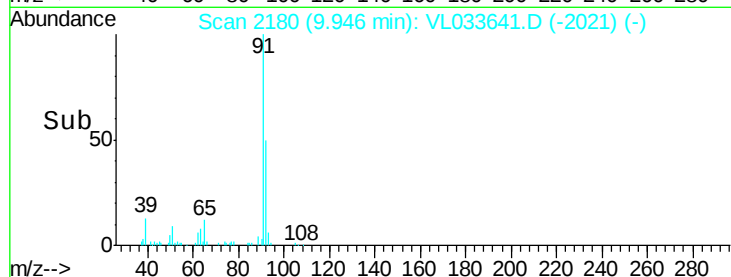
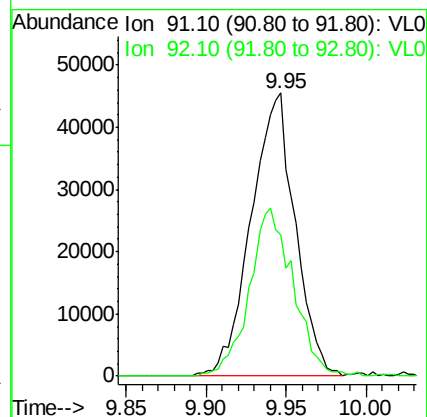
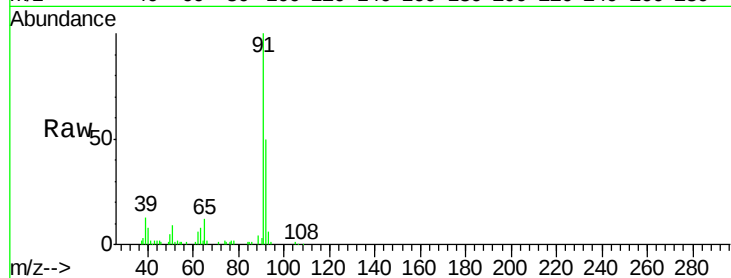
A-8DL

Tot Ion: 91 Resp: 86008

Ion Ratio Lower Upper

91 100

92 59.0 47.8 71.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VL033641.D

Acq: 2 May 2019 23:44

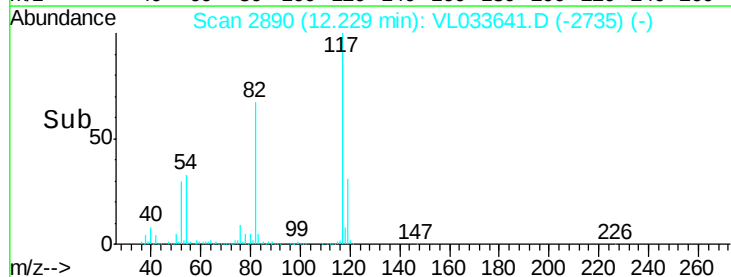
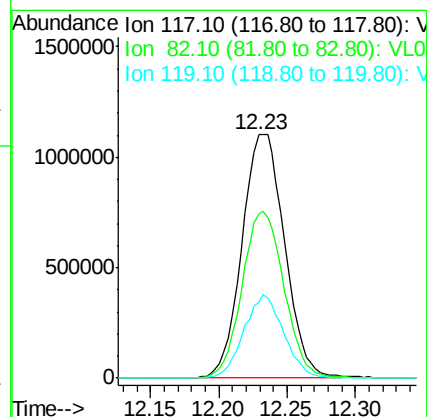
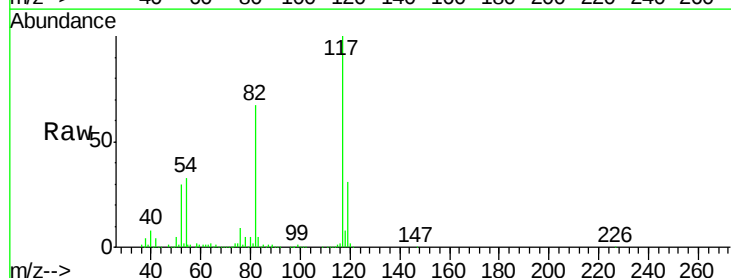
Tgt Ion: 117 Resp: 2385017

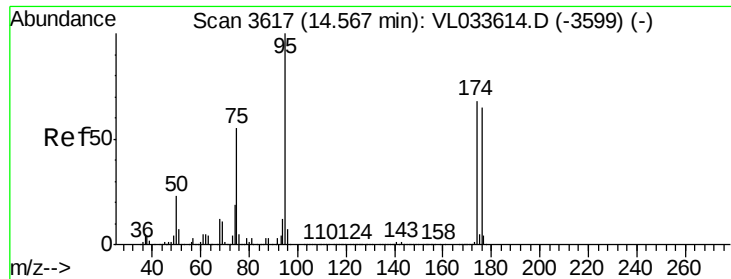
Ion Ratio Lower Upper

117 100

82 67.8 52.6 78.8

119 32.4 28.3 42.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.545 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL033641.D

Acq: 2 May 2019 23:44

Instrument :

MSVOA_L

ClientSampleId :

A-8DL

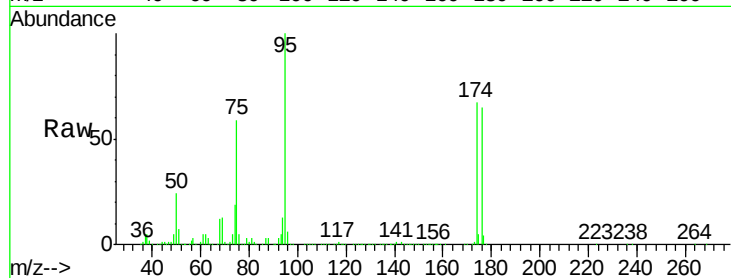
Tot Ion: 95 Resp: 1914654

Ion Ratio Lower Upper

95 100

174 65.8 53.9 80.9

175 4.7 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

