

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033459.D
 Acq On : 26 Mar 2019 6:06
 Operator : SY/AP
 Sample : K1991-10DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

Quant Time: Mar 26 07:31:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 05:43:39 2019
 QLast Update : Tue Mar 26 05:43:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	705570	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1623891	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1625353	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1276743	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

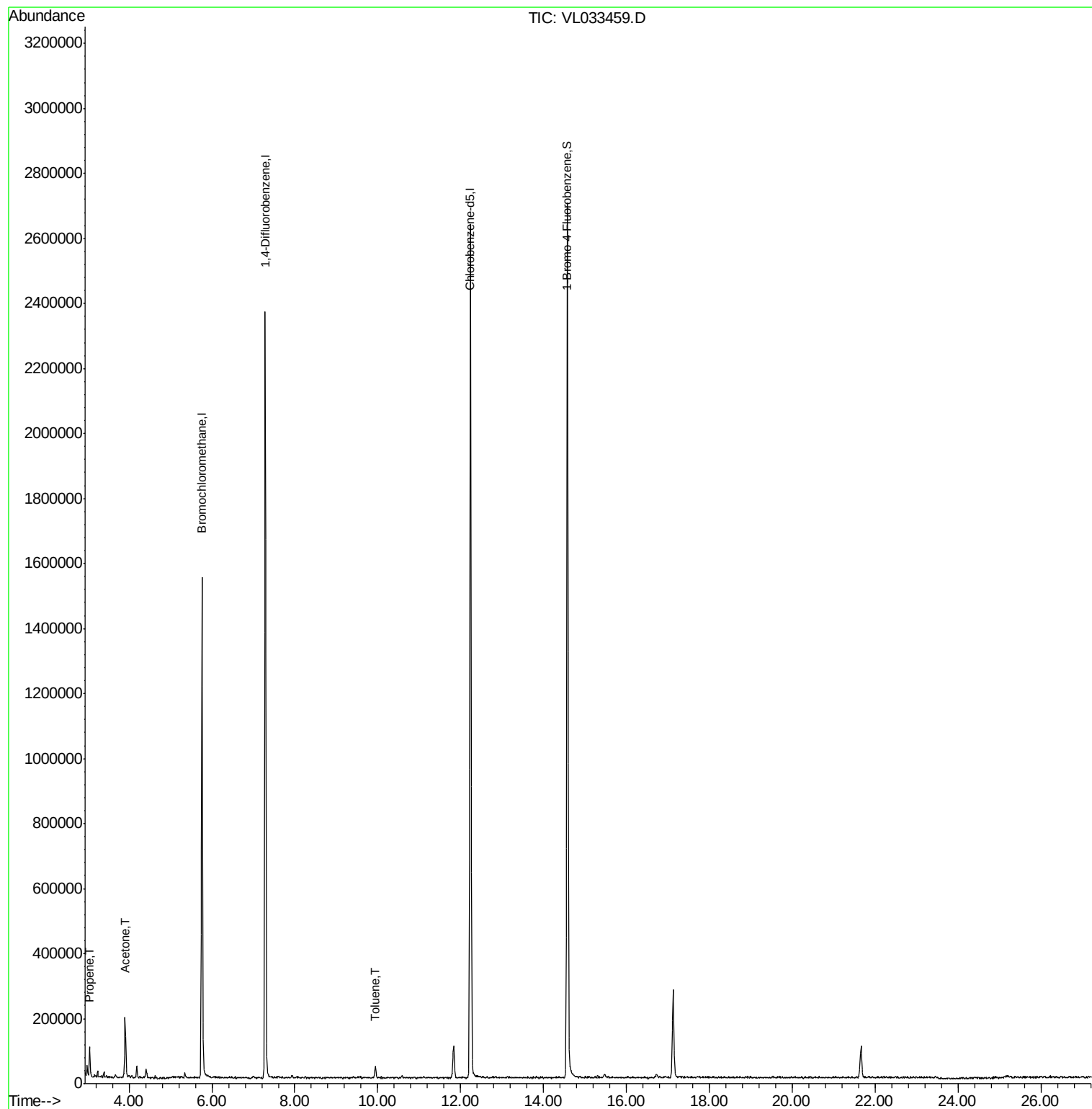
Target Compounds					Ovalue
9) Propene	3.04	41	18407	0.540 ppbv	84
15) Acetone	3.90	43	199001	2.346 ppbv	98
53) Toluene	9.94	91	26637	0.168 ppbv	100

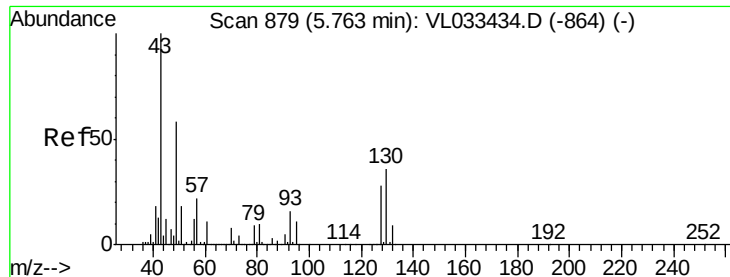
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033459.D

Acq: 26 Mar 2019 6:06

Instrument :

MSVOA_L

ClientSampled :

IA-5DL

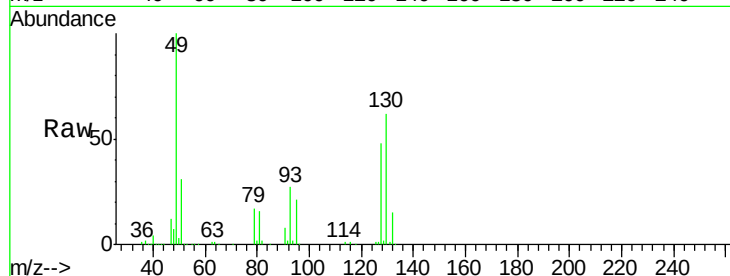
Tot Ion: 49 Resp: 705570

Ion Ratio Lower Upper

49 100

128 48.7 24.0 72.0

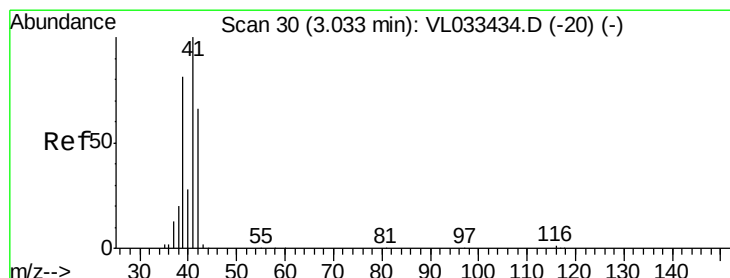
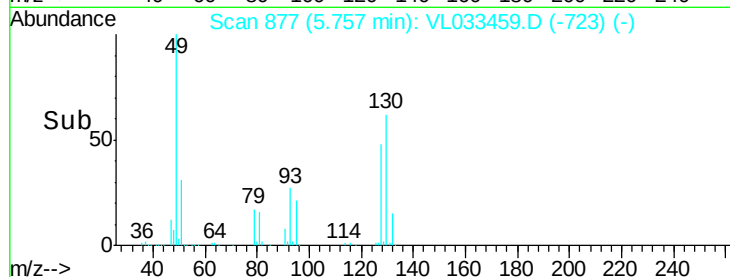
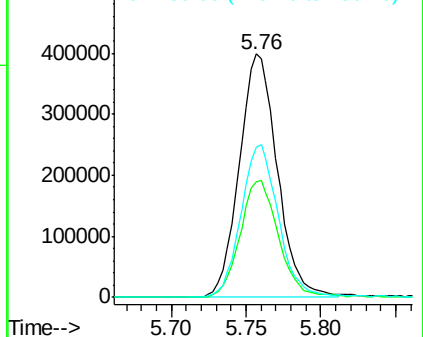
130 62.6 31.2 93.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.540 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033459.D

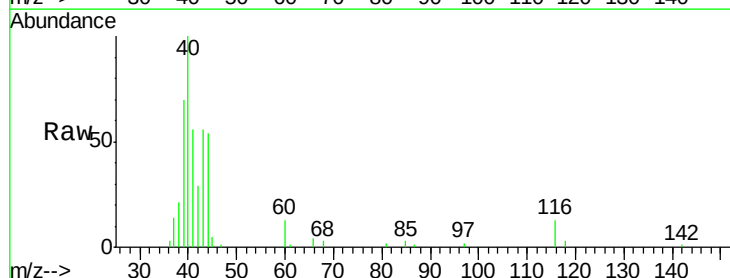
Acq: 26 Mar 2019 6:06

Tgt Ion: 41 Resp: 18407

Ion Ratio Lower Upper

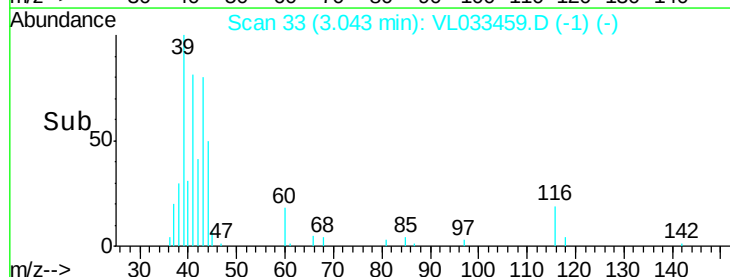
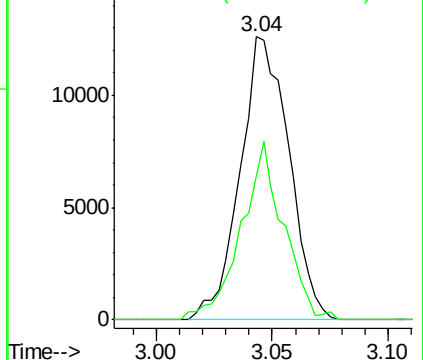
41 100

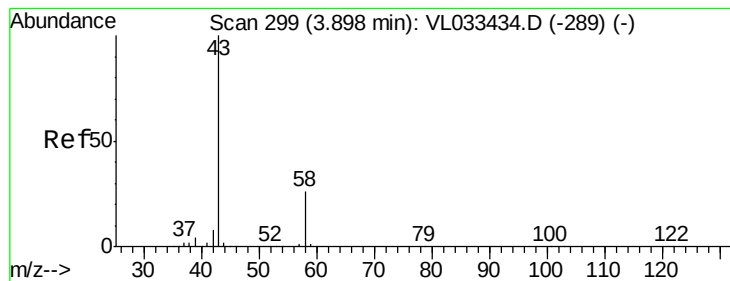
42 54.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 2.346 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033459.D

Acq: 26 Mar 2019 6:06

Instrument :

MSVOA_L

ClientSampleId :

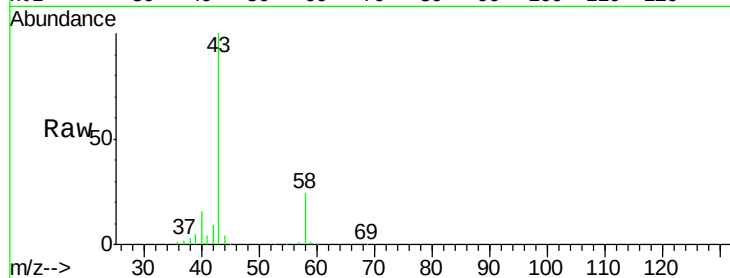
IA-5DL

Tot Ion: 43 Resp: 199001

Ion Ratio Lower Upper

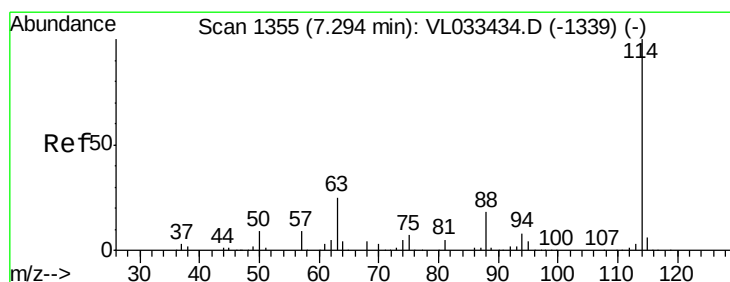
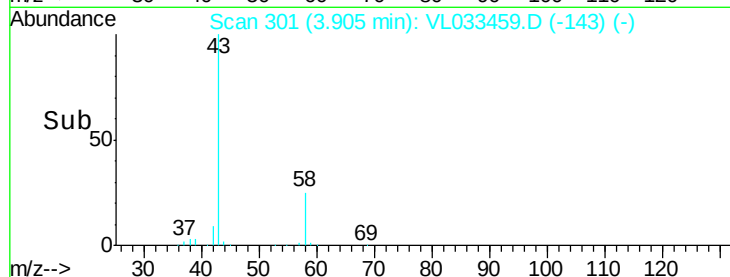
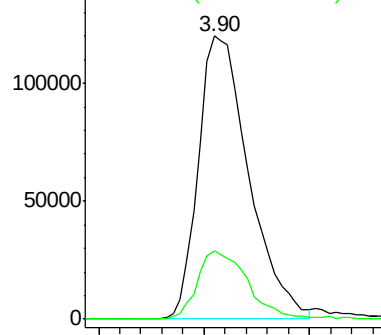
43 100

58 24.4 20.5 30.7



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. -0.01 min

Lab File: VL033459.D

Acq: 26 Mar 2019 6:06

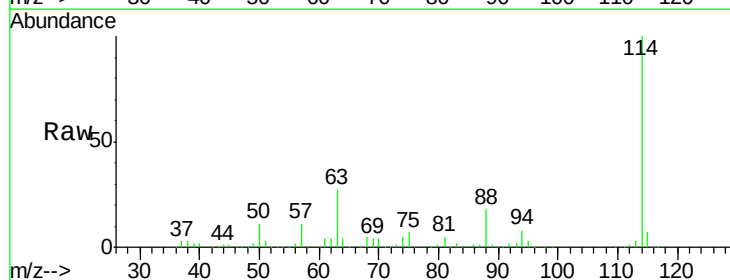
Tgt Ion: 114 Resp: 1623891

Ion Ratio Lower Upper

114 100

63 26.5 21.5 32.3

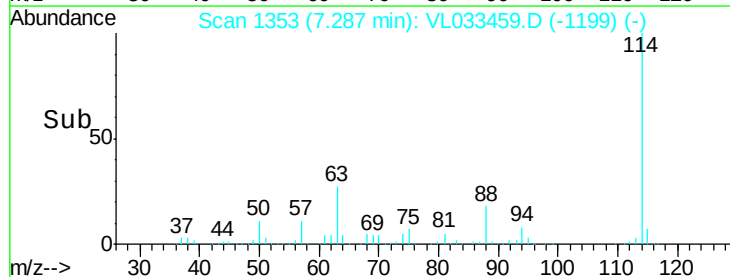
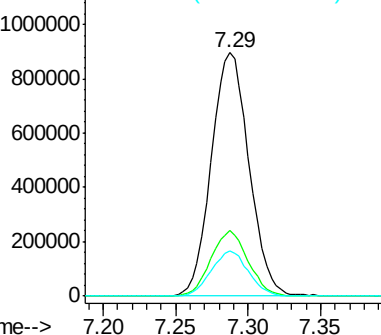
88 18.2 14.5 21.7

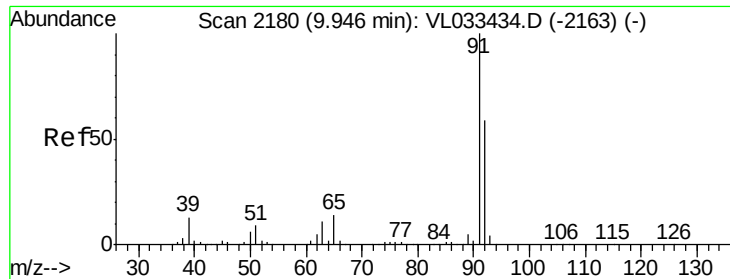


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.168 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033459.D

Acq: 26 Mar 2019 6:06

Instrument :

MSVOA_L

ClientSampleId :

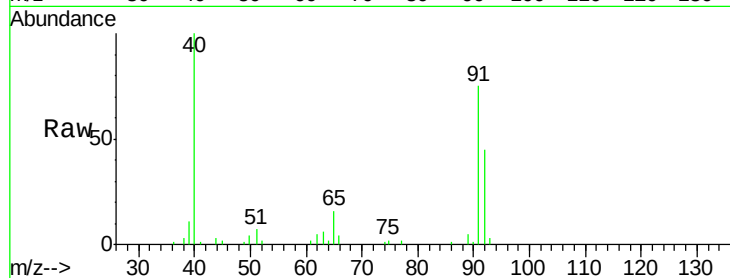
IA-5DL

Tot Ion: 91 Resp: 26637

Ion Ratio Lower Upper

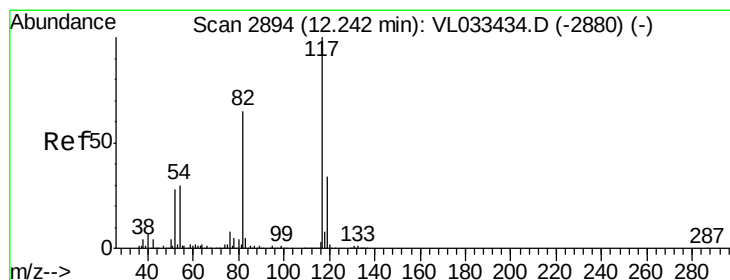
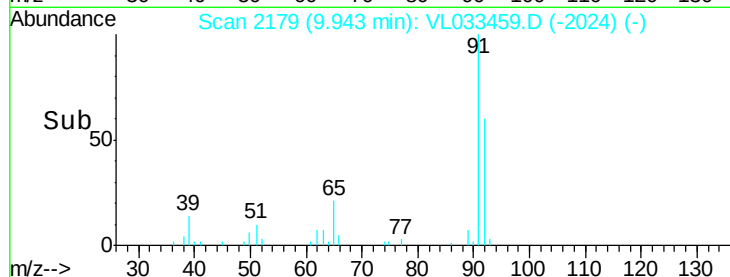
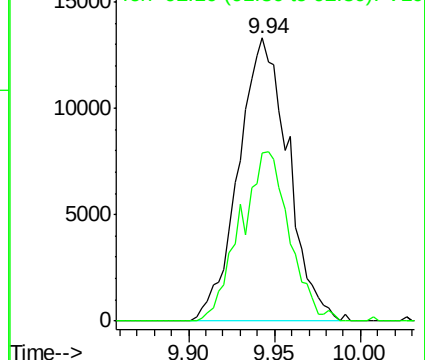
91 100

92 59.0 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033459.D

Acq: 26 Mar 2019 6:06

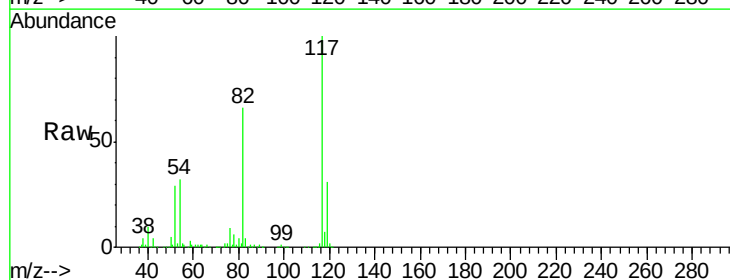
Tgt Ion: 117 Resp: 1625353

Ion Ratio Lower Upper

117 100

82 67.2 51.5 77.3

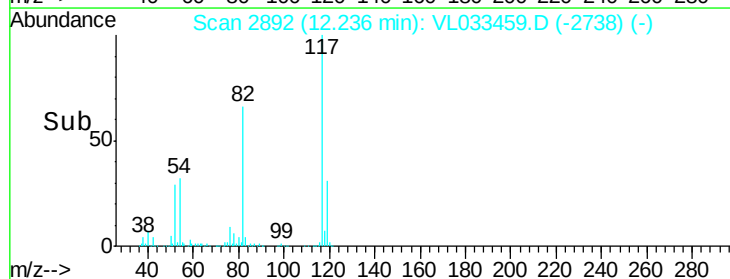
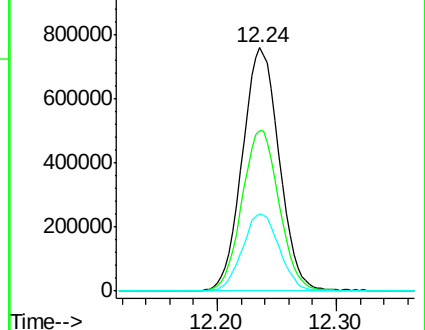
119 32.2 25.5 38.3

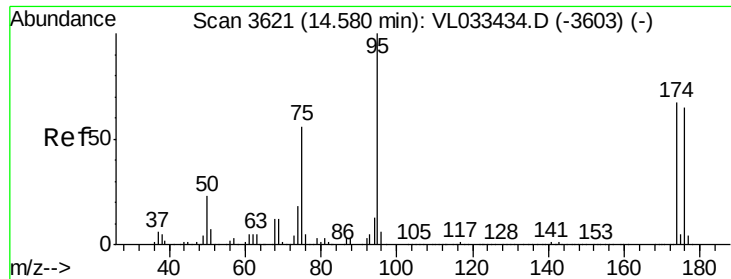


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.020 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033459.D

Acq: 26 Mar 2019 6:06

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL

Tot Ion: 95 Resp: 1276743

Ion Ratio Lower Upper

95 100

174 65.7 52.9 79.3

175 4.8 3.8 5.6

