

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033336.D
 Acq On : 15 Mar 2019 18:22
 Operator : SY/AP
 Sample : OC031319 CAN 10265
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 16 03:56:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	813260	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1845577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1960046	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1473887	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

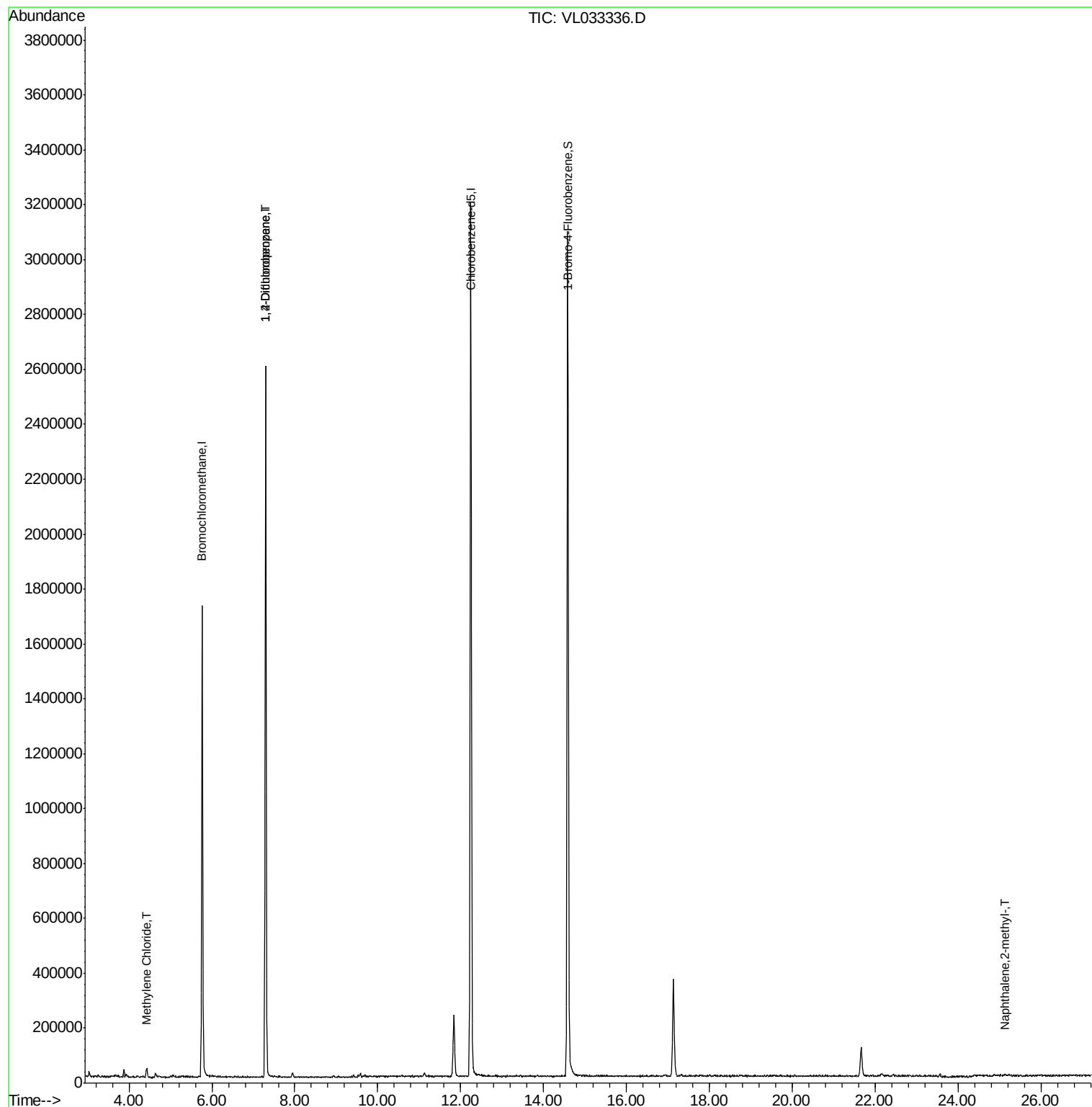
Target Compounds					Ovalue
20) Methylene Chloride	4.41	84	7186	0.174 ppbv #	81
39) 1,2-Dichloropropane	7.30	63	486187	7.860 ppbv #	24
80) Naphthalene,2-methyl-	25.13	142	5302	0.043 ppbv #	84

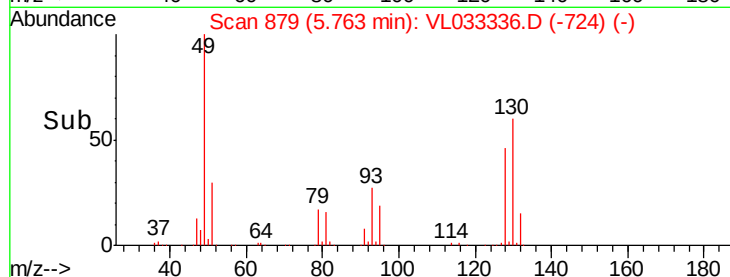
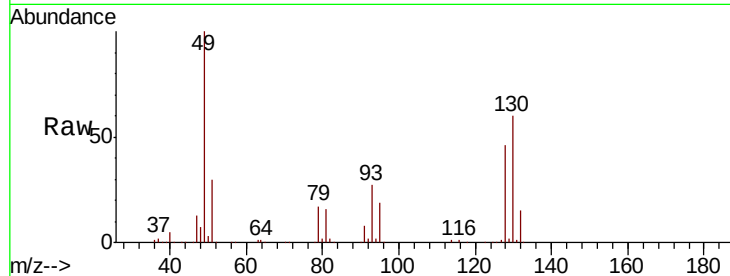
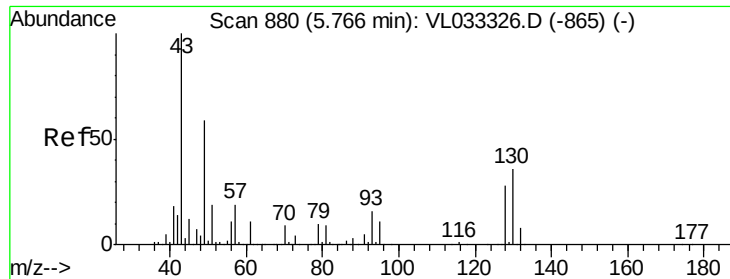
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033336.D

Acq: 15 Mar 2019 18:22

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ClientSampleId :

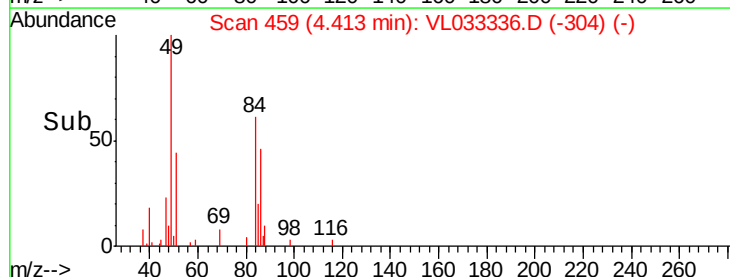
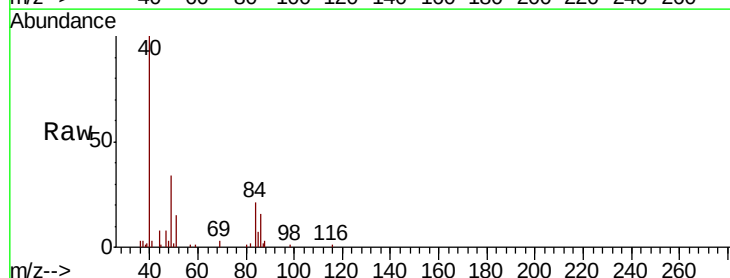
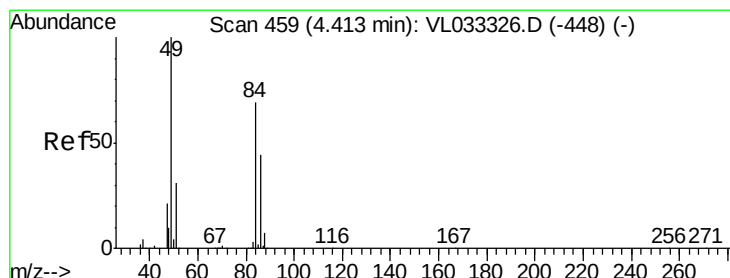
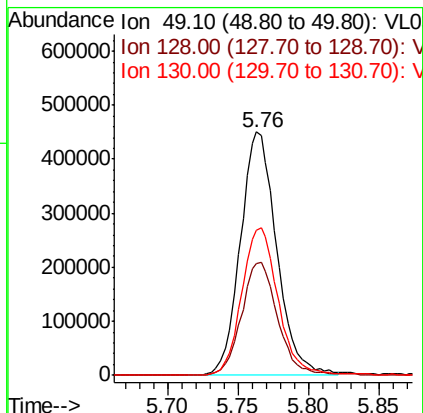
Tot Ion: 49 Resp: 813260

Ion Ratio Lower Upper

49 100

128 46.6 23.5 70.6

130 61.0 30.1 90.3



#20

Methylene Chloride

Concen: 0.174 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL033336.D

Acq: 15 Mar 2019 18:22

Tgt Ion: 84 Resp: 7186

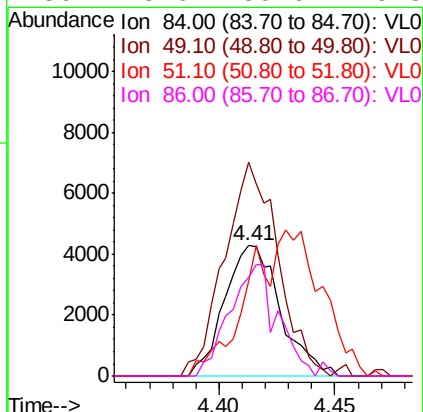
Ion Ratio Lower Upper

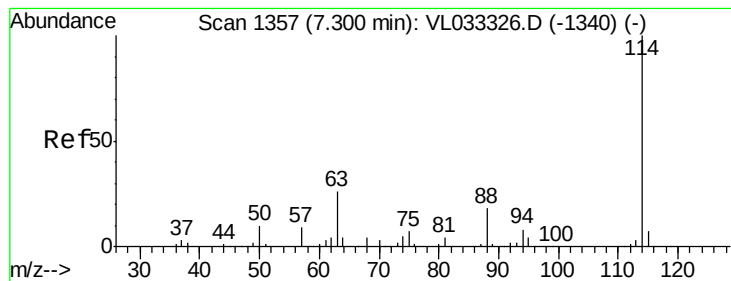
84 100

49 159.7 115.4 173.0

51 72.4 35.8 53.6#

86 75.6 50.6 75.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033336.D

Acq: 15 Mar 2019 18:22

Instrument :

MSVOA_L

ClientSampleId :

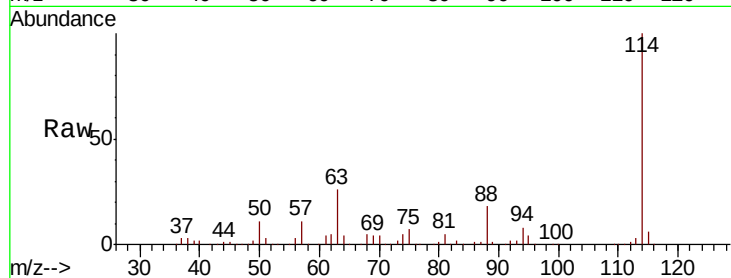
Tot Ion:114 Resp: 1845577

Ion Ratio Lower Upper

114 100

63 26.4 21.4 32.2

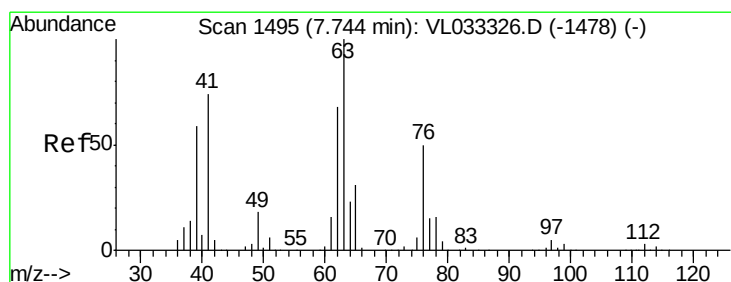
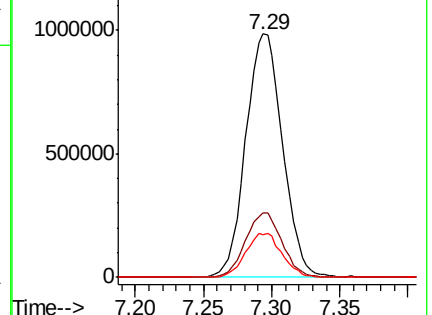
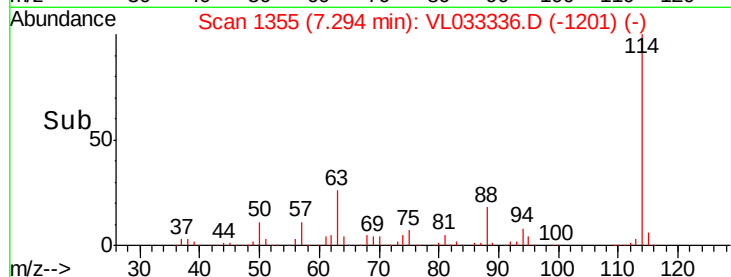
88 17.9 14.5 21.7



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: 7.860 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL033336.D

Acq: 15 Mar 2019 18:22

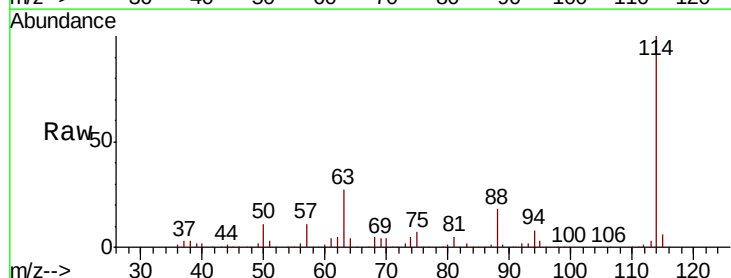
Tgt Ion: 63 Resp: 486187

Ion Ratio Lower Upper

63 100

41 0.1 59.5 89.3#

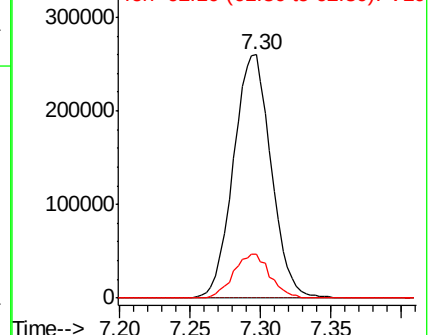
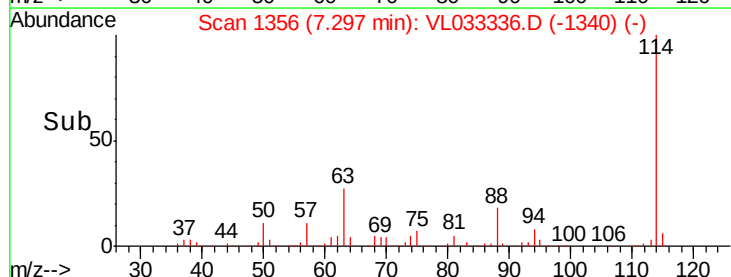
62 17.8 54.7 82.1#

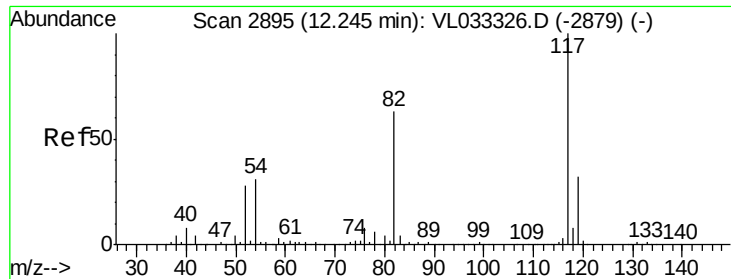


Abundance Ion 63.10 (62.80 to 63.80): VL0

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: 12.25 min Scan# 2895

Delta R.T. -0.00 min

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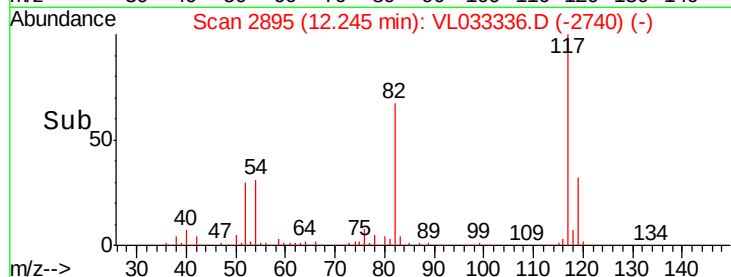
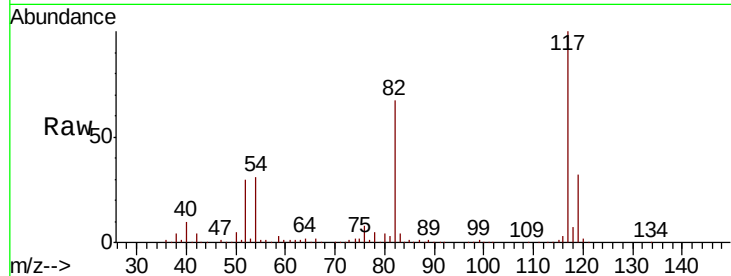
Tot Ion:117 Resp: 1960046

Ion Ratio Lower Upper

117 100

82 68.1 53.4 80.2

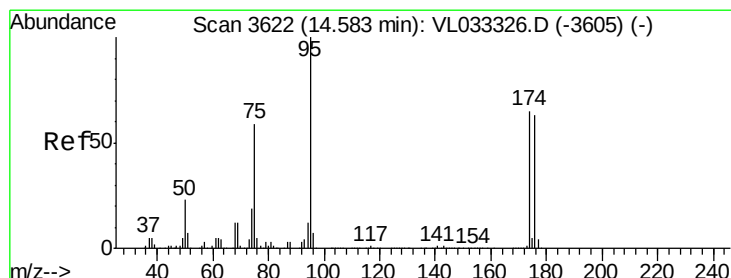
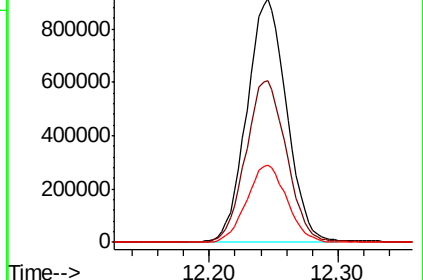
119 32.2 27.3 40.9



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: 10.148 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VL033336.D

Acq: 15 Mar 2019 18:22

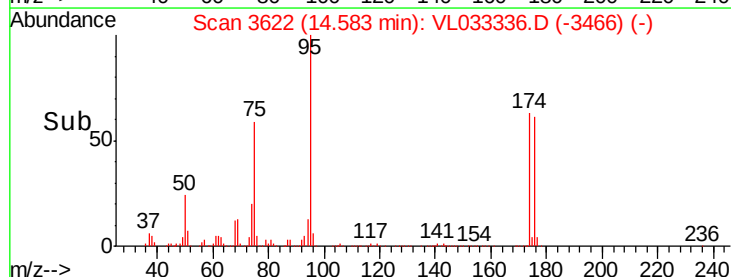
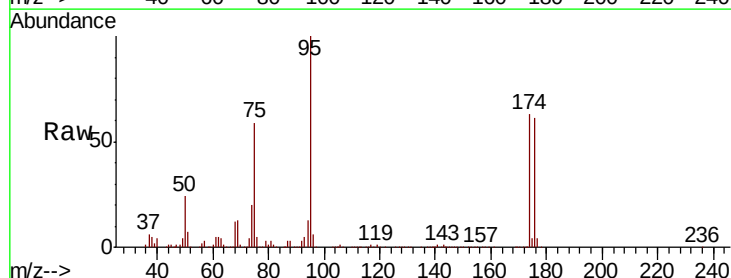
Tgt Ion: 95 Resp: 1473887

Ion Ratio Lower Upper

95 100

174 64.7 51.5 77.3

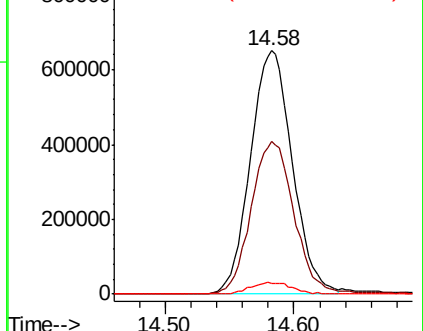
175 4.7 3.8 5.6

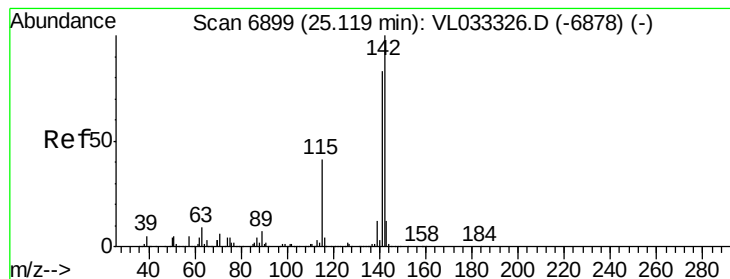


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#80

Naphthalene, 2-methyl-

Concen: 0.043 ppbv

RT: 25.13 min Scan# 6902

Delta R.T. 0.01 min

Lab File: VL033336.D

Acq: 15 Mar 2019 18:22

Instrument :

MSVOA_L

ClientSampleId :

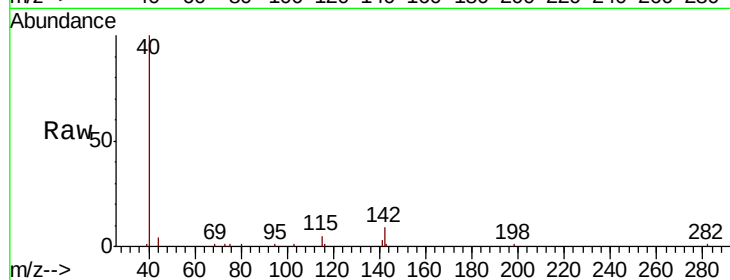
Tot Ion:142 Resp: 5302

Ion Ratio Lower Upper

142 100

141 100.8 67.1 100.7#

115 48.1 33.8 50.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

