

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL110520\
 Data File : VL035888.D
 Acq On : 6 Nov 2020 10:03
 Operator : SY/AP
 Sample : L4618-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Nov 08 18:48:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	908633	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3304397	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3103526	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2174296	9.86	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

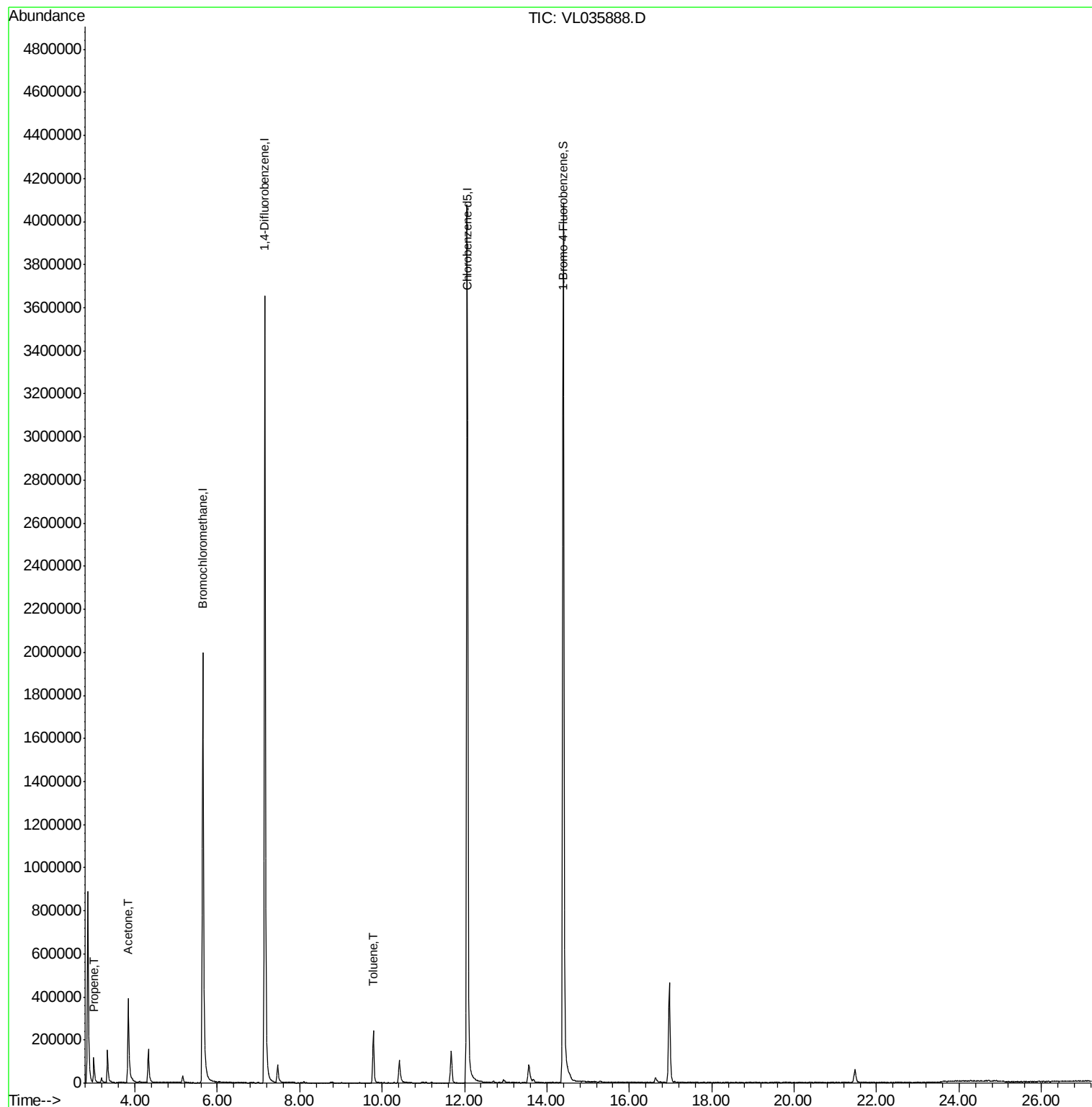
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	35214	0.884	ppbv	# 76
15) Acetone	3.84	43	527916	5.435	ppbv	98
53) Toluene	9.78	91	220762	0.745	ppbv	98

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035888.D

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Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

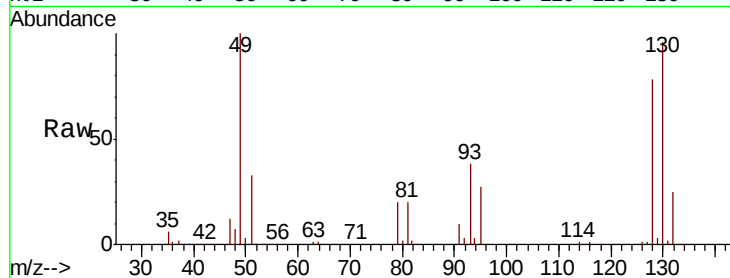
Tot Ion: 49 Resp: 908633

Ion Ratio Lower Upper

49 100

128 79.6 41.5 124.6

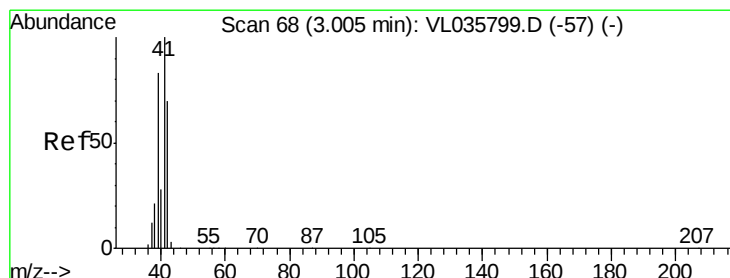
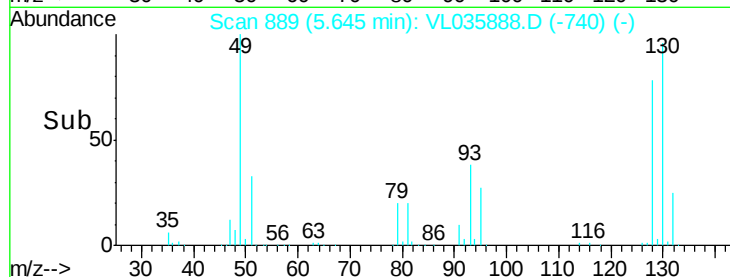
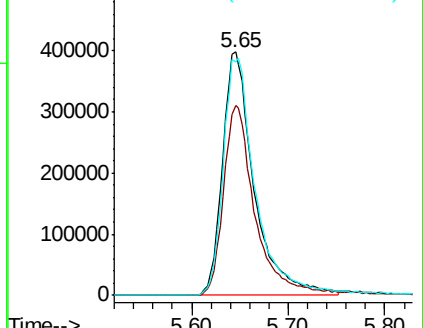
130 101.5 53.7 161.1



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: 0.884 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035888.D

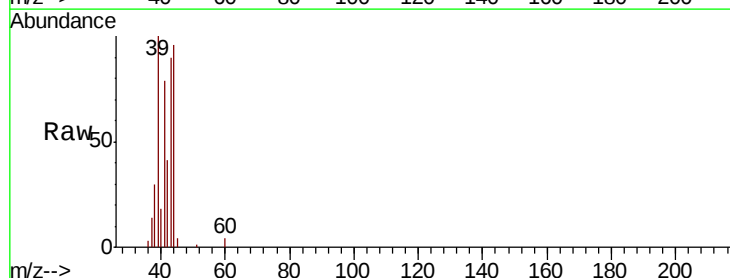
Acq: 6 Nov 2020 10:03

Tgt Ion: 41 Resp: 35214

Ion Ratio Lower Upper

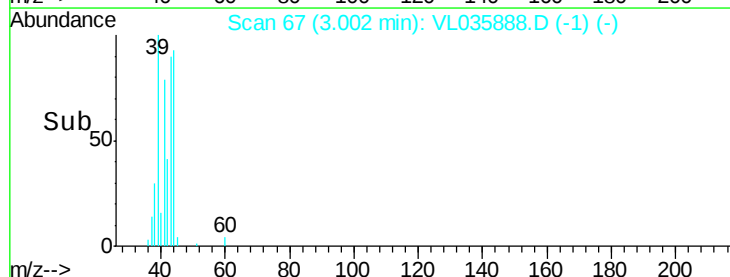
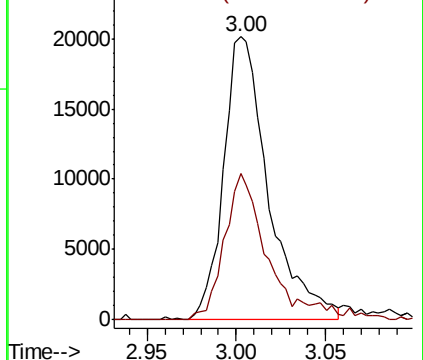
41 100

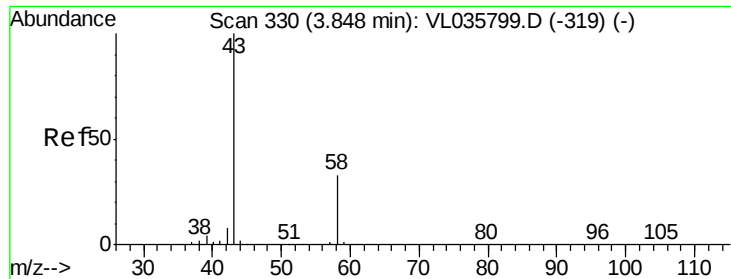
42 50.9 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 5.435 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035888.D

Acq: 6 Nov 2020 10:03

Instrument :

MSVOA_L

ClientSampleId :

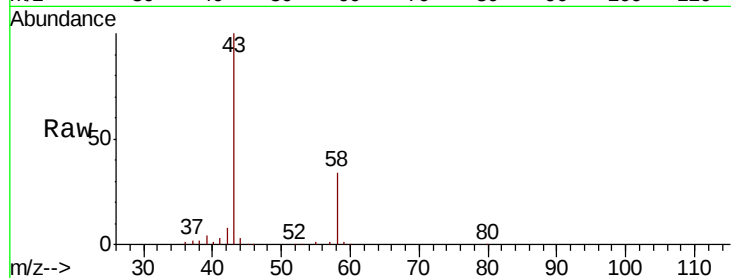
IA-2DL

Tot Ion: 43 Resp: 527916

Ion Ratio Lower Upper

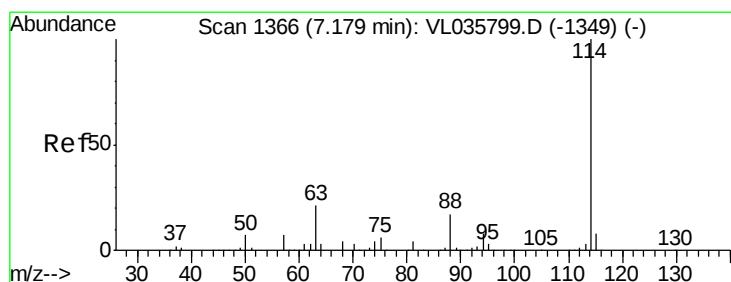
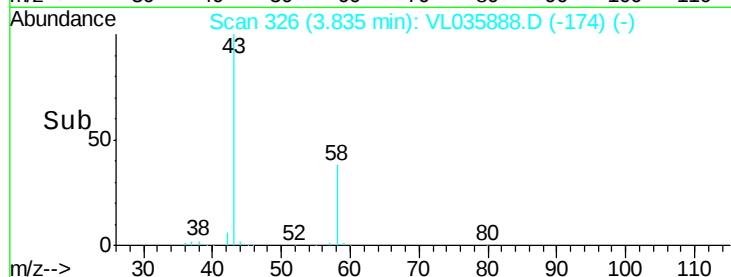
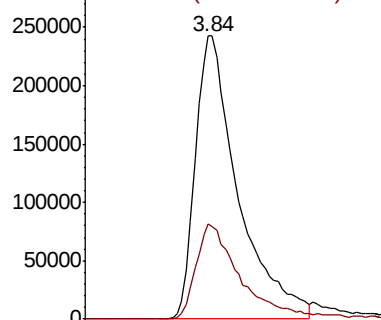
43 100

58 35.8 27.5 41.3



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: 7.15 min Scan# 1357

Delta R.T. -0.03 min

Lab File: VL035888.D

Acq: 6 Nov 2020 10:03

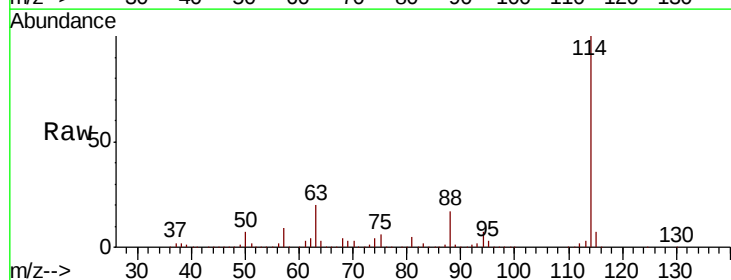
Tgt Ion: 114 Resp: 3304397

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

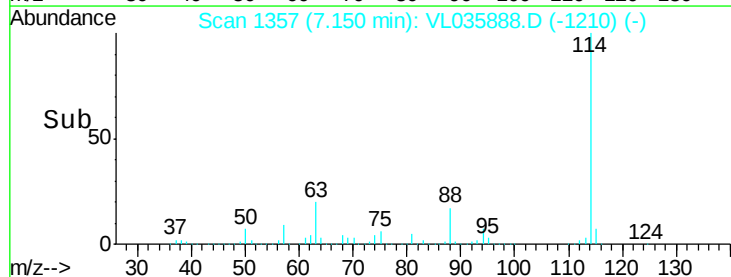
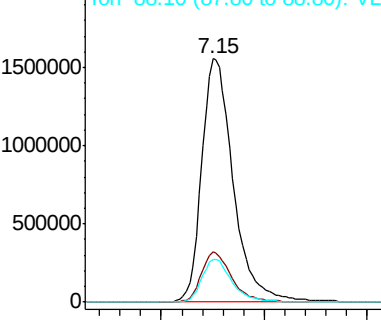
88 17.1 13.7 20.5

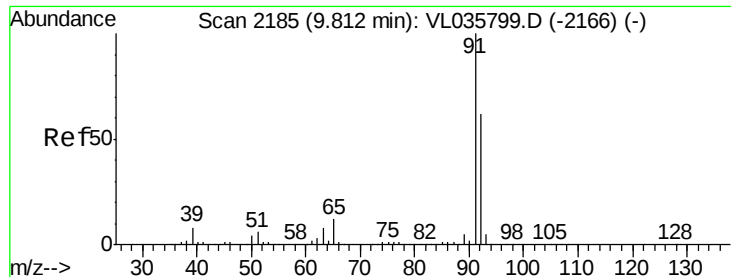


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.745 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

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ClientSampleId :

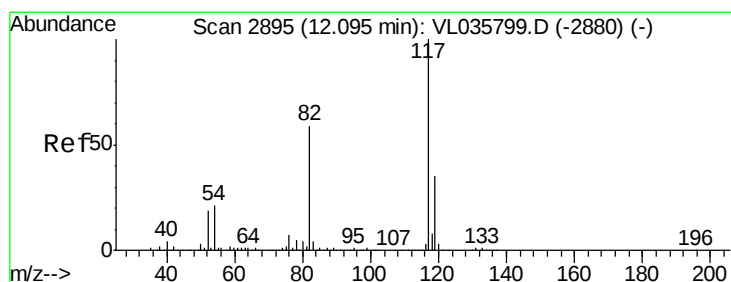
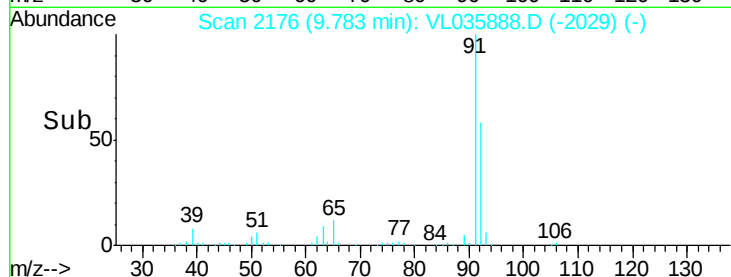
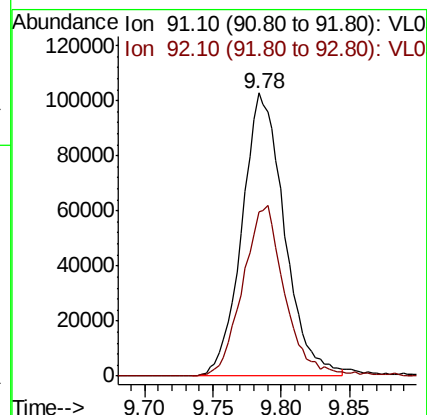
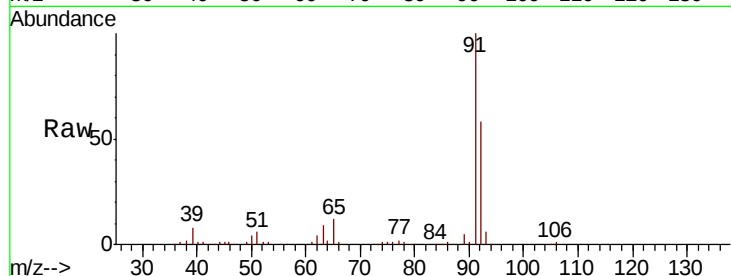
IA-2DL

Tot Ion: 91 Resp: 220762

Ion Ratio Lower Upper

91 100

92 60.4 49.8 74.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL035888.D

Acq: 6 Nov 2020 10:03

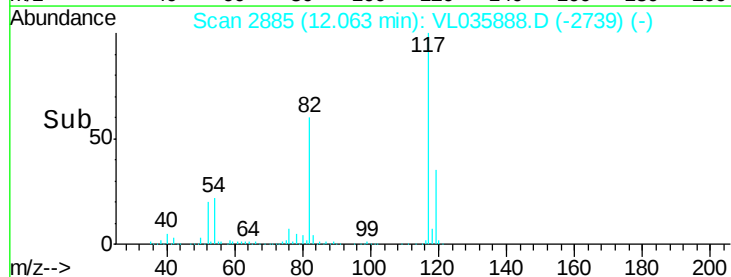
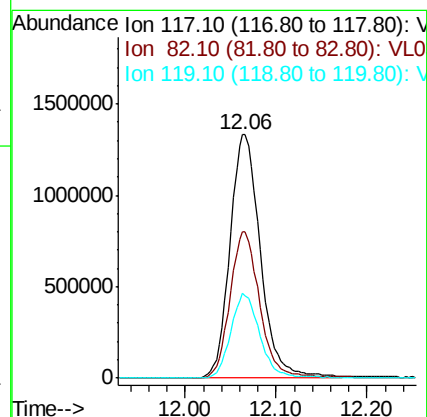
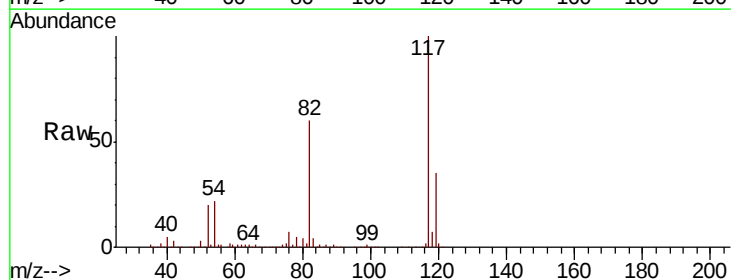
Tgt Ion: 117 Resp: 3103526

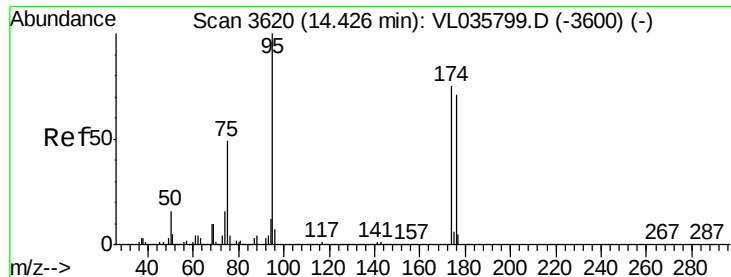
Ion Ratio Lower Upper

117 100

82 59.6 50.6 76.0

119 33.7 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.861 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035888.D

Acq: 6 Nov 2020 10:03

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion: 95 Resp: 2174296

Ion Ratio Lower Upper

95 100

174 76.3 59.8 89.6

175 5.3 4.3 6.5

