

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035887.D
 Acq On : 6 Nov 2020 9:25
 Operator : SY/AP
 Sample : L4618-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Nov 08 18:39:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	919444	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3425552	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3224171	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2268086	9.90	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	87437	2.170	ppbv	# 68
15) Acetone	3.83	43	1958649	19.926	ppbv	100
53) Toluene	9.78	91	669430	2.179	ppbv	98

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

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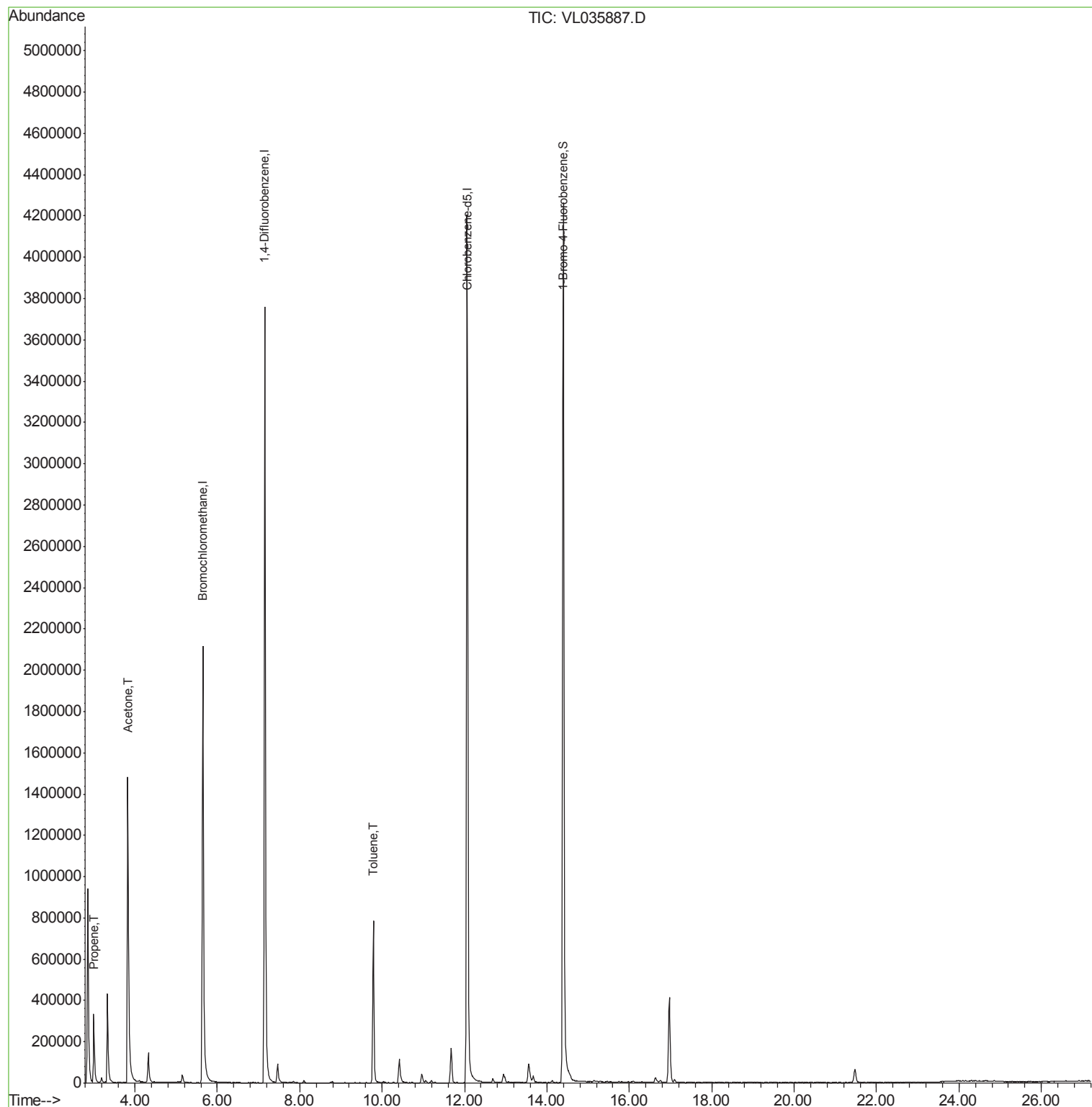
Quant Time: Nov 08 18:39:50 2020

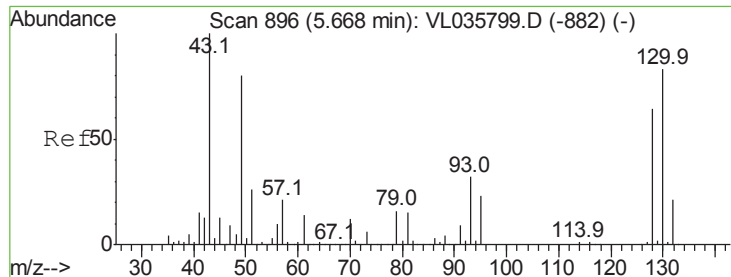
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M

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

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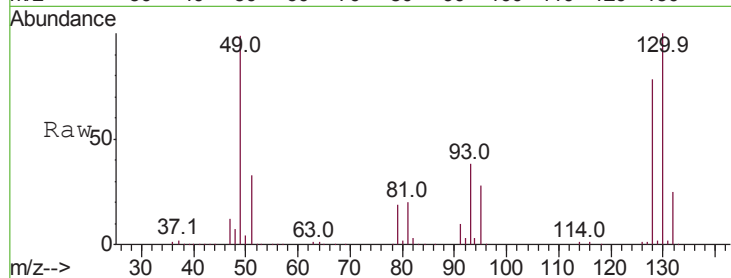


#1

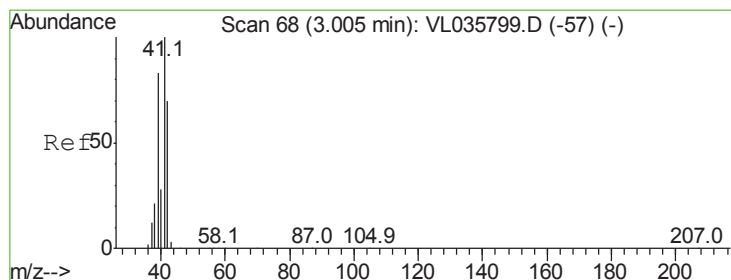
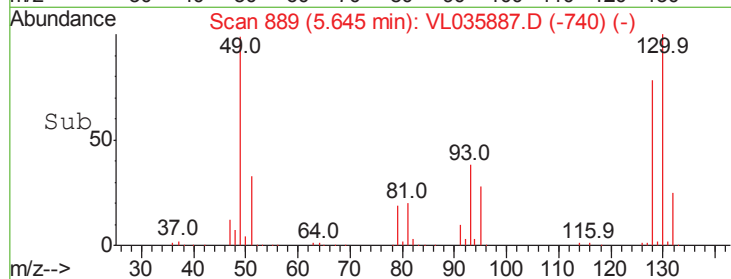
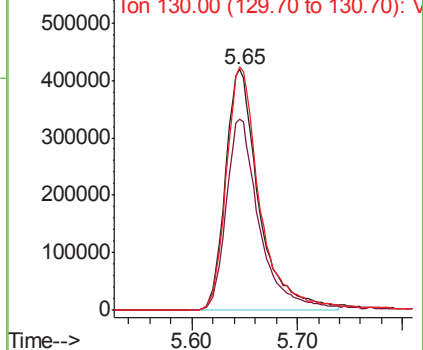
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. -0.02 min
 Lab File: VL035887.D
 Acq: 6 Nov 2020 9:25

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Tot Ion: 49 Resp: 919444
 Ion Ratio Lower Upper
 49 100
 128 80.9 41.5 124.6
 130 103.9 53.7 161.1



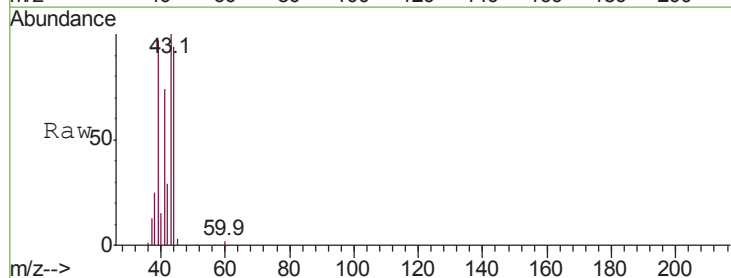
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



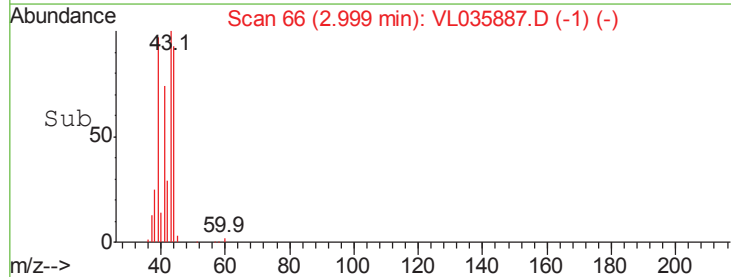
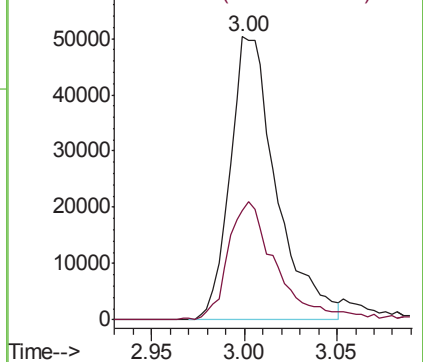
#9

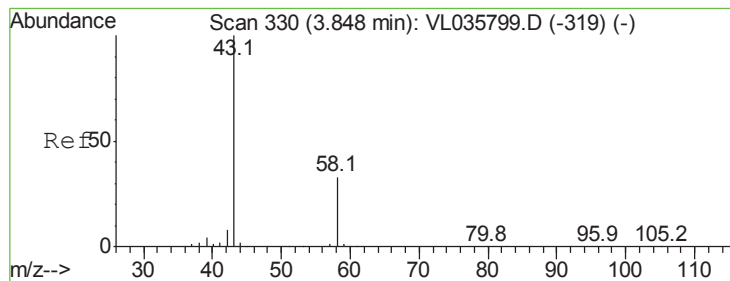
Propene
 Concen: 2.170 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. -0.01 min
 Lab File: VL035887.D
 Acq: 6 Nov 2020 9:25

Tgt Ion: 41 Resp: 87437
 Ion Ratio Lower Upper
 41 100
 42 44.3 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: 19.926 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035887.D

Acq: 6 Nov 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

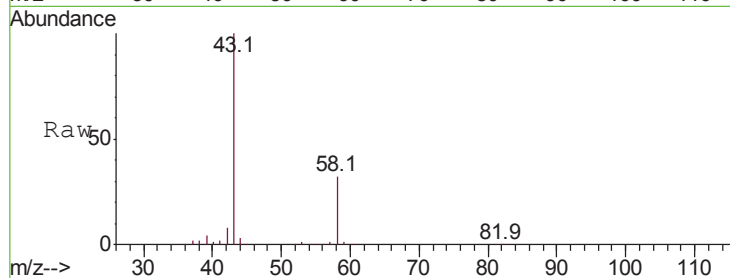
IA-1DL

Tot Ion: 43 Resp: 1958649

Ion Ratio Lower Upper

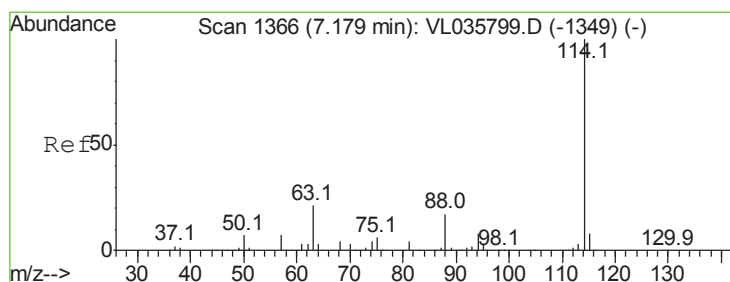
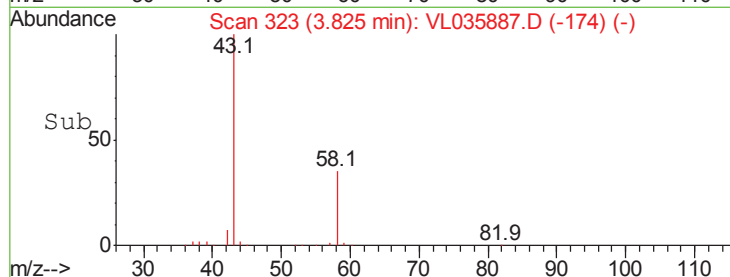
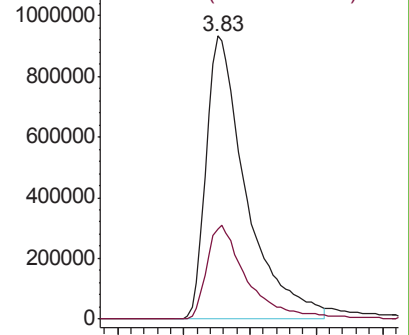
43 100

58 34.6 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# 1358

Delta R.T. -0.03 min

Lab File: VL035887.D

Acq: 6 Nov 2020 9:25

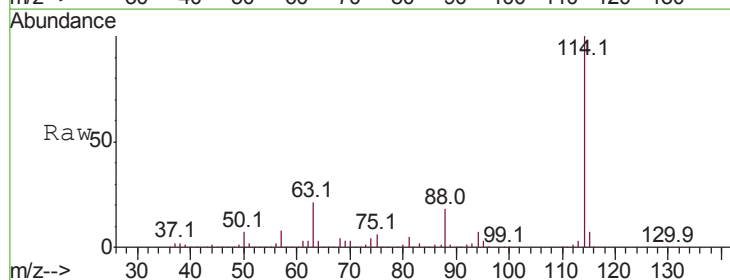
Tgt Ion: 114 Resp: 3425552

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

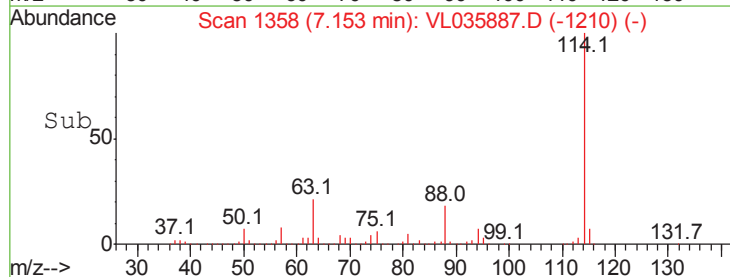
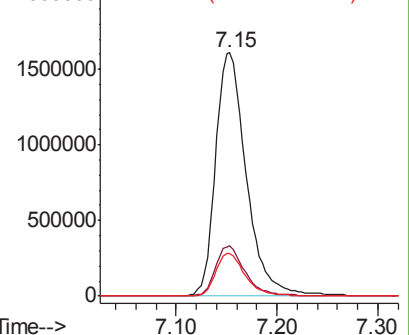
88 17.1 13.7 20.5

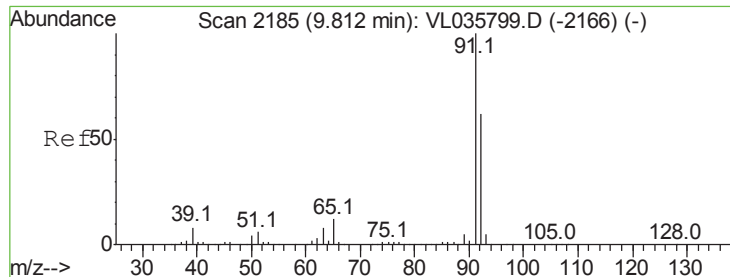


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 2.179 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL035887.D

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Instrument :

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ClientSampleId :

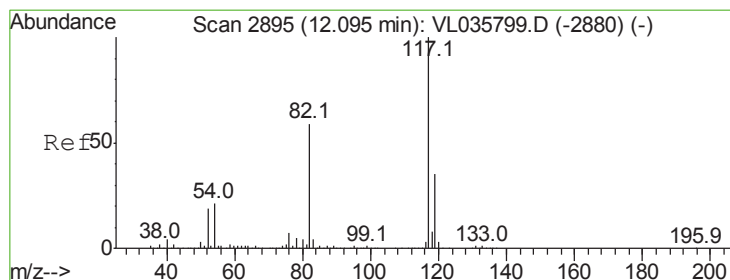
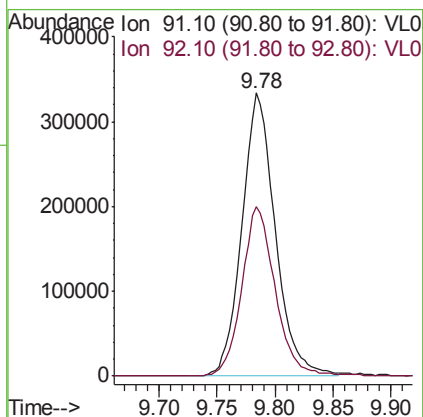
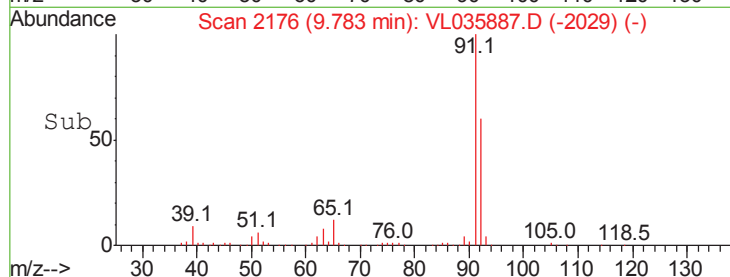
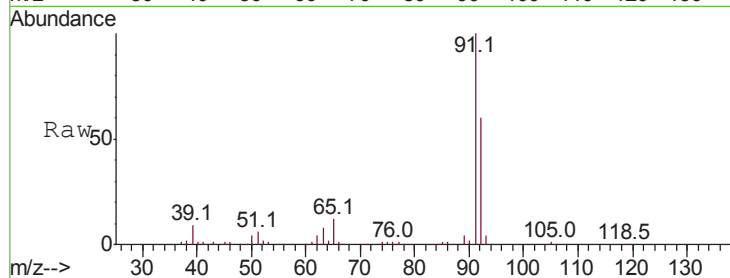
IA-1DL

Tot Ion: 91 Resp: 669430

Ion Ratio Lower Upper

91 100

92 60.3 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: VL035887.D

Acq: 6 Nov 2020 9:25

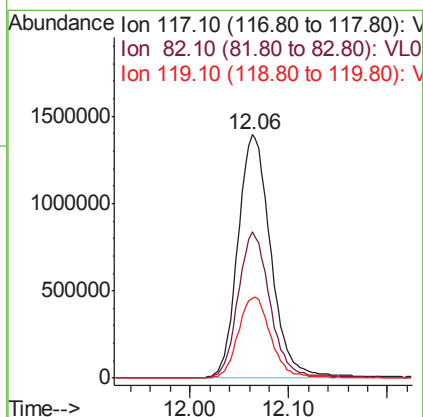
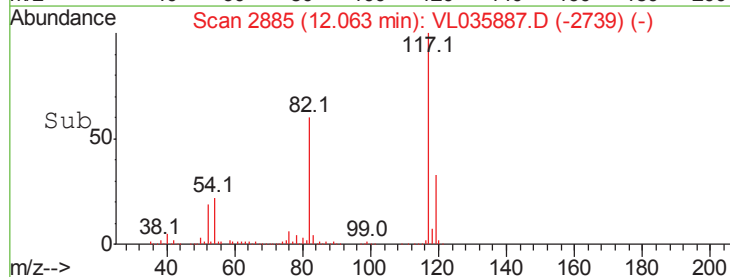
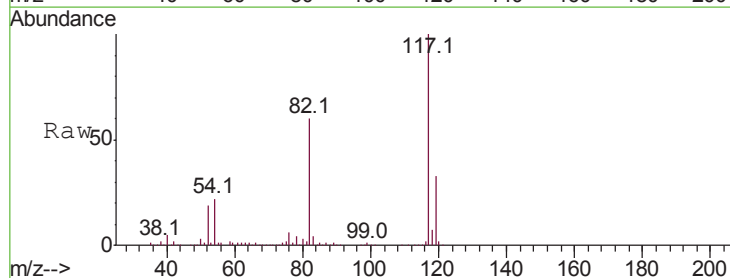
Tgt Ion: 117 Resp: 3224171

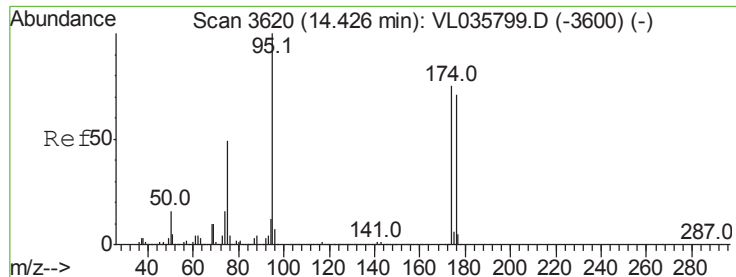
Ion Ratio Lower Upper

117 100

82 59.3 50.6 76.0

119 33.8 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.901 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035887.D

Acq: 6 Nov 2020 9:25

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

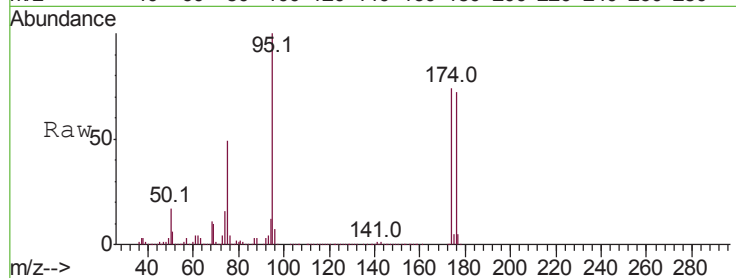
Tot Ion: 95 Resp: 2268086

Ion Ratio Lower Upper

95 100

174 76.4 59.8 89.6

175 5.3 4.3 6.5



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

