

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032306.D
 Acq On : 20 Jul 2018 2:55
 Operator : SY/AP
 Sample : OC071218 CAN 10038
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 04:33:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1463167	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	2967729	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3465146	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2718043	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

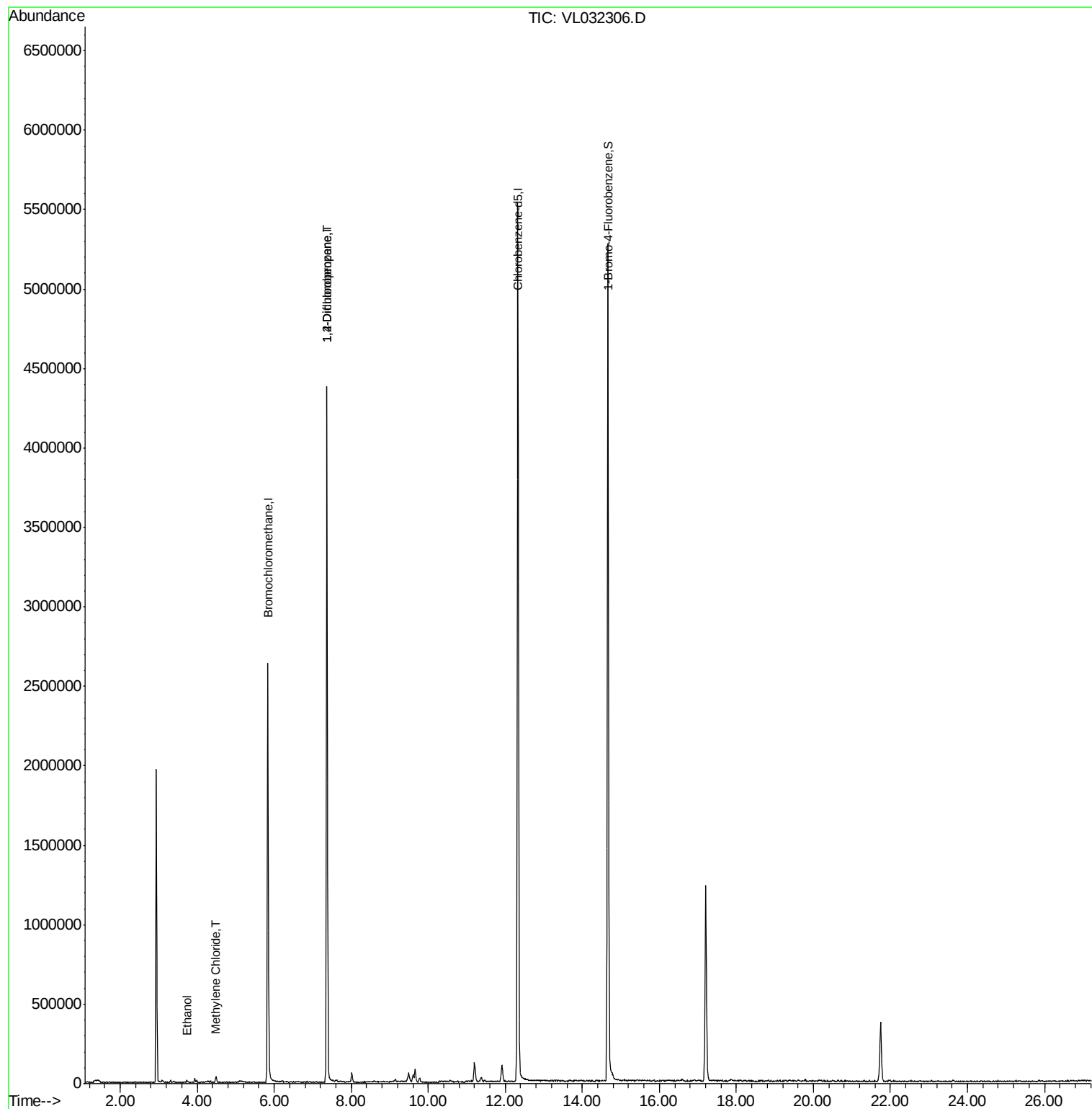
Target Compounds					Ovalue
13) Ethanol	3.72	45	537	0.026 ppbv	# 37
20) Methylene Chloride	4.47	84	4321	0.073 ppbv	# 81
39) 1,2-Dichloropropane	7.37	63	843765	7.296 ppbv	# 25

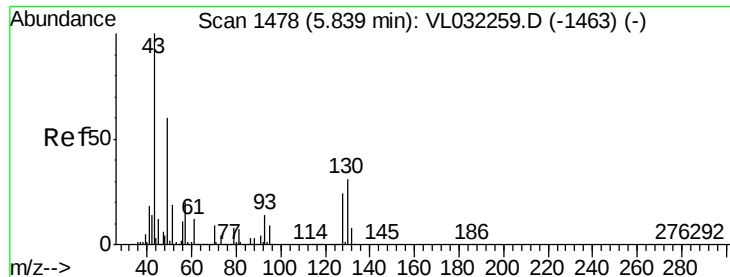
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

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Acq: 20 Jul 2018 2:55

Instrument :
MSVOA_L
ClientSampleId :

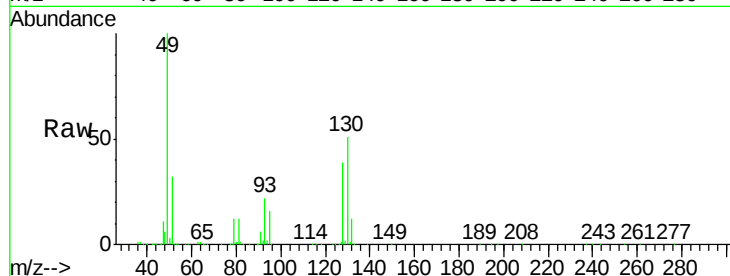
Tot Ion: 49 Resp: 1463167

Ion Ratio Lower Upper

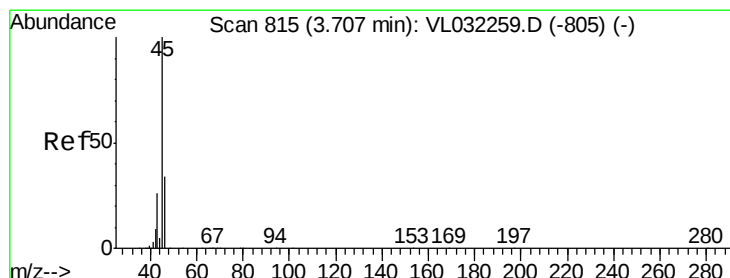
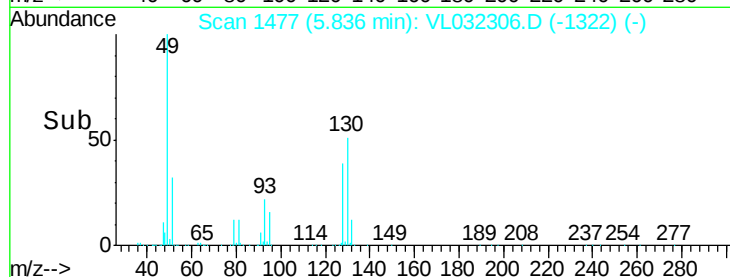
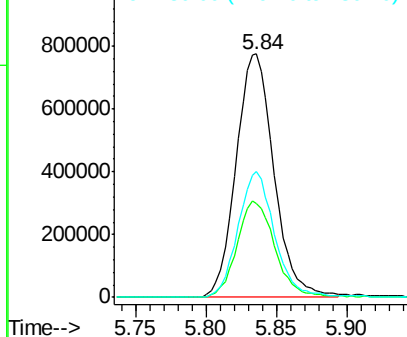
49 100

128 40.2 20.1 60.2

130 50.9 25.9 77.6



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: 0.026 ppbv

RT: 3.72 min Scan# 820

Delta R.T. 0.02 min

Lab File: VL032306.D

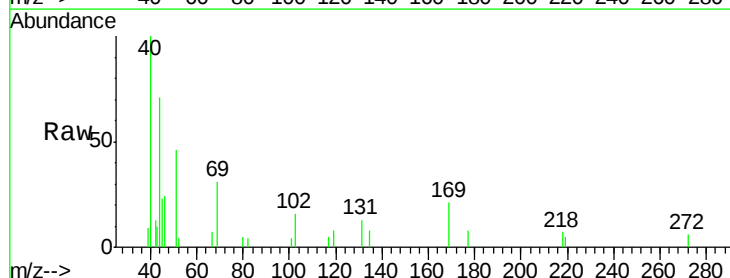
Acq: 20 Jul 2018 2:55

Tgt Ion: 45 Resp: 537

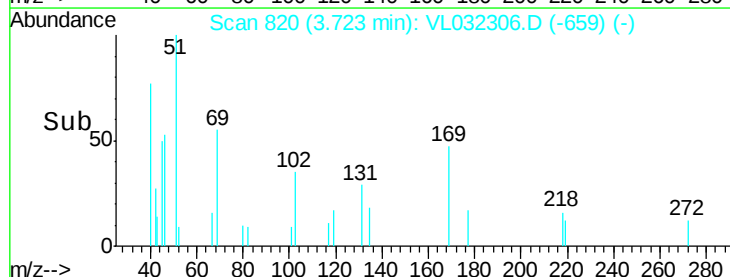
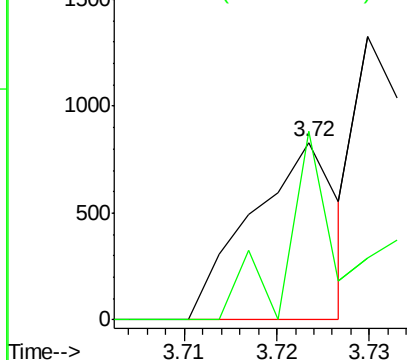
Ion Ratio Lower Upper

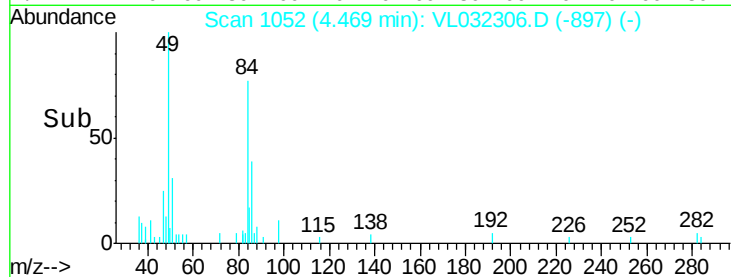
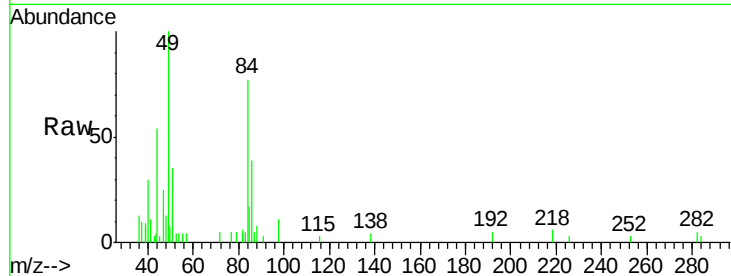
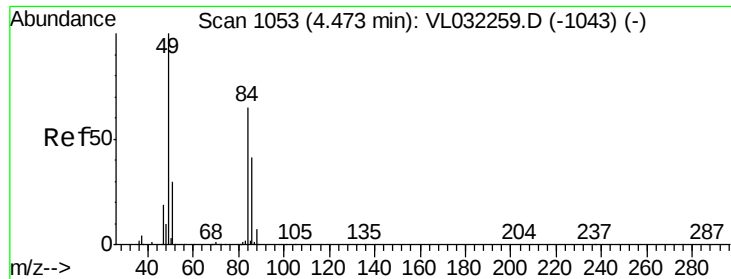
45 100

46 0.0 15.2 60.8#



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

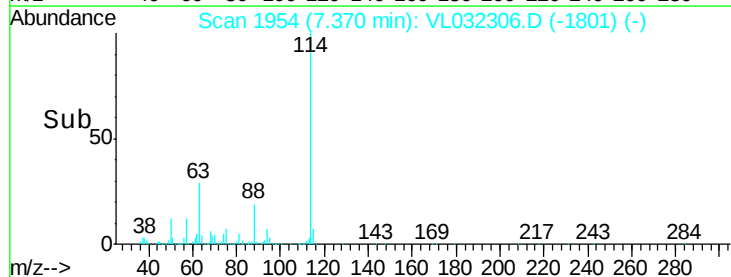
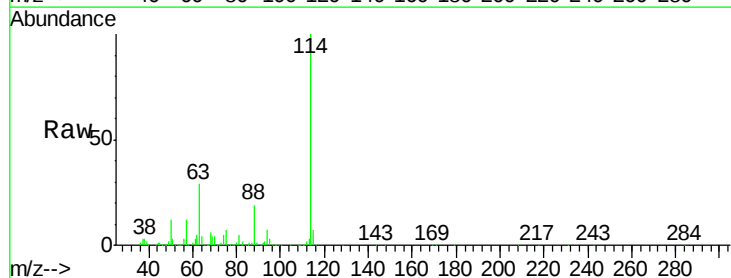
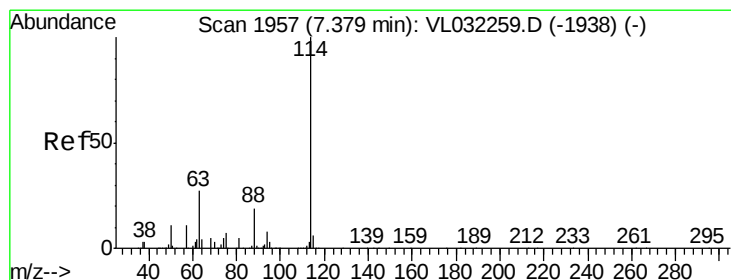
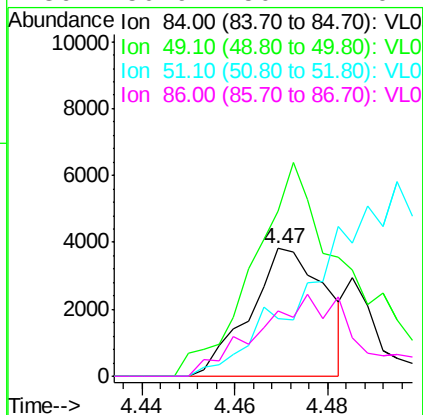




#20
Methylene Chloride
Concen: 0.073 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VL032306.D
Acq: 20 Jul 2018 2:55

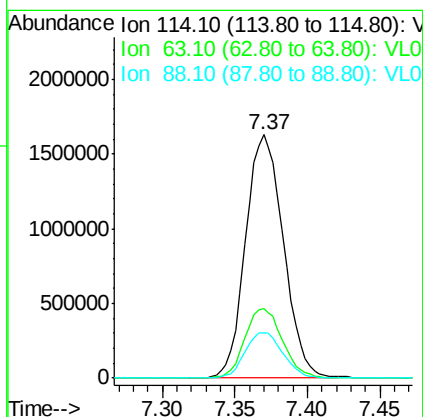
Instrument :
MSVOA_L
ClientSampled :

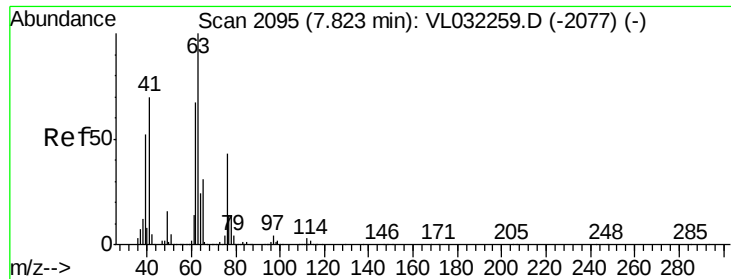
Tot Ion: 84 Resp: 4321
Ion Ratio Lower Upper
84 100
49 120.9 122.4 183.6#
51 45.5 36.8 55.2
86 50.9 50.7 76.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1954
Delta R.T. -0.01 min
Lab File: VL032306.D
Acq: 20 Jul 2018 2:55

Tgt Ion: 114 Resp: 2967729
Ion Ratio Lower Upper
114 100
63 28.5 22.6 33.8
88 18.9 15.2 22.8





#39

1,2-Dichloropropane

Concen: 7.296 ppbv

RT: 7.37 min Scan# 1954

Delta R.T. -0.45 min

Lab File: VL032306.D

Acq: 20 Jul 2018 2:55

Instrument :

MSVOA_L

ClientSampled :

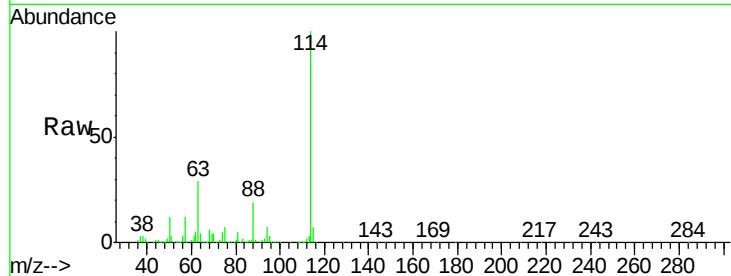
Tot Ion: 63 Resp: 843765

Ion Ratio Lower Upper

63 100

41 0.0 55.8 83.6#

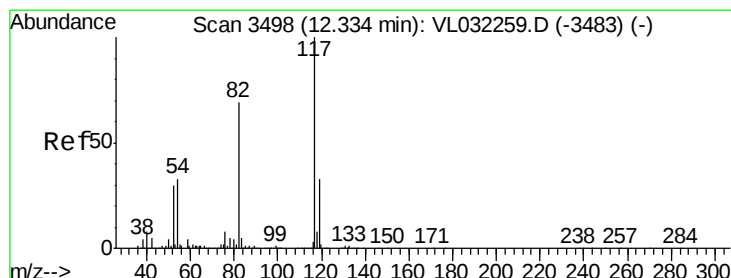
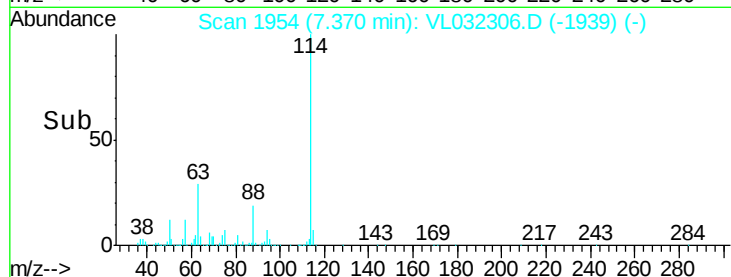
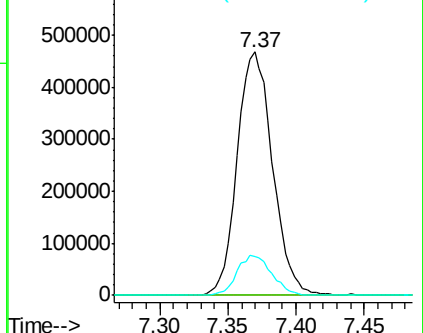
62 15.9 53.8 80.8#



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: 12.33 min Scan# 3496

Delta R.T. -0.01 min

Lab File: VL032306.D

Acq: 20 Jul 2018 2:55

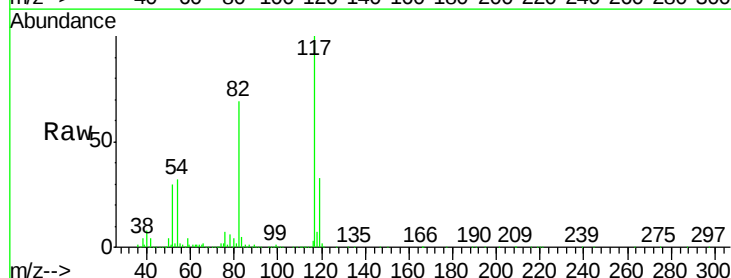
Tgt Ion: 117 Resp: 3465146

Ion Ratio Lower Upper

117 100

82 69.5 53.9 80.9

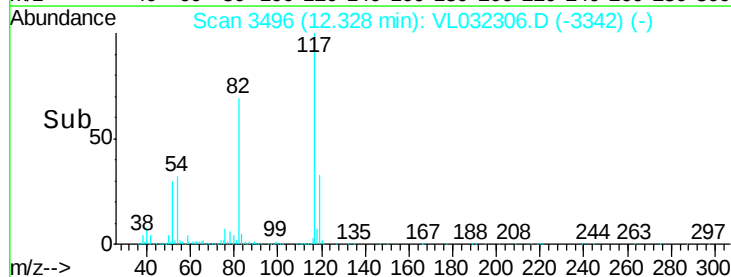
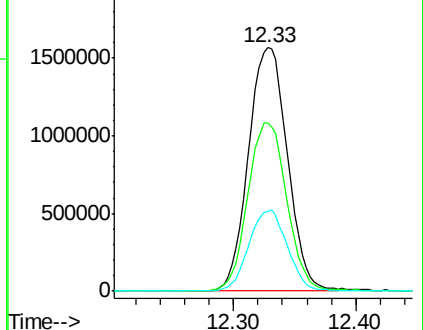
119 32.8 25.5 38.3

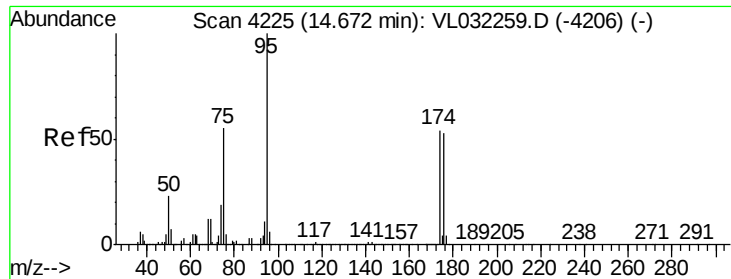


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.675 ppbv

RT: 14.67 min Scan# 4223

Delta R.T. -0.01 min

Lab File: VL032306.D

Acq: 20 Jul 2018 2:55

Instrument :

MSVOA_L

ClientSampleId :

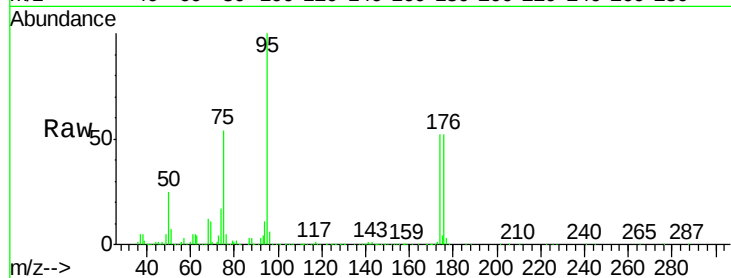
Tot Ion: 95 Resp: 2718043

Ion Ratio Lower Upper

95 100

174 56.4 44.3 66.5

175 4.0 3.3 4.9



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

