

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034422.D
 Acq On : 2 Dec 2019 11:45
 Operator : SY/AP
 Sample : VL1202ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABL01

Quant Time: Dec 03 02:48:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	937386	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1871721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1847131	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1570499	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

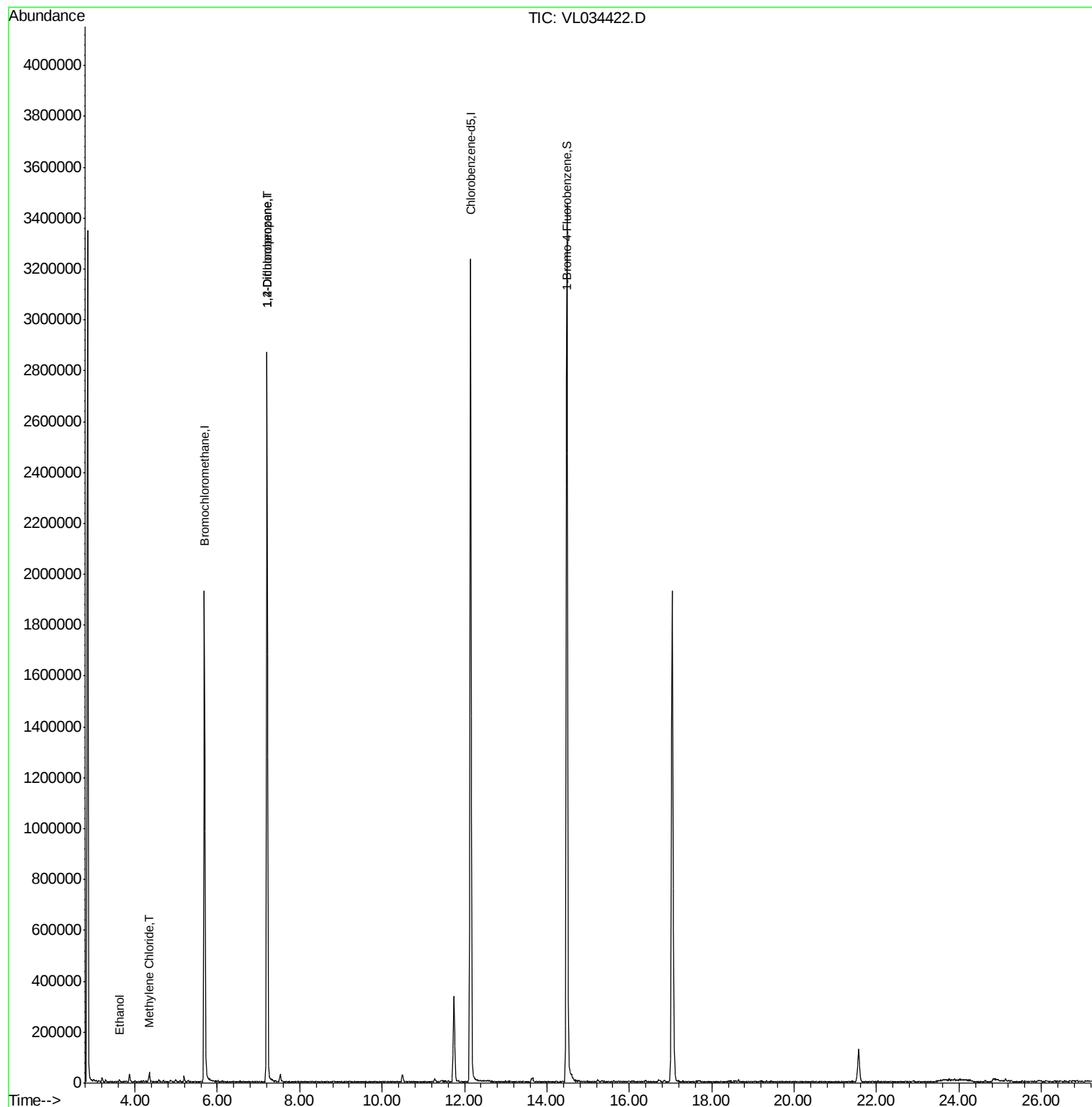
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.62	45	3240	0.224	ppbv	92
20) Methylene Chloride	4.34	84	2867	0.060	ppbv #	76
39) 1,2-Dichloropropane	7.21	63	542685	7.529	ppbv #	24

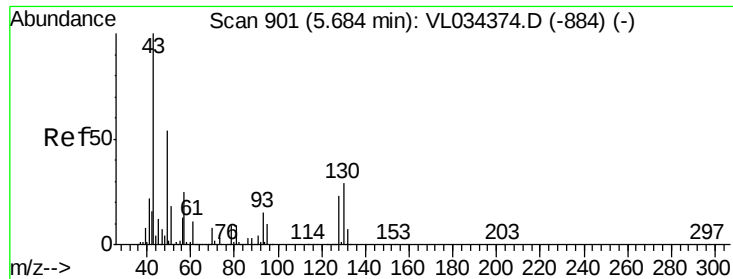
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL034422.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1202ABL01

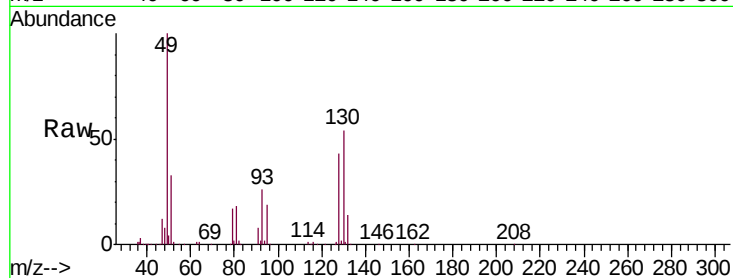
Tgt Ion: 49 Resp: 937386

Ion Ratio Lower Upper

49 100

128 43.8 21.8 65.3

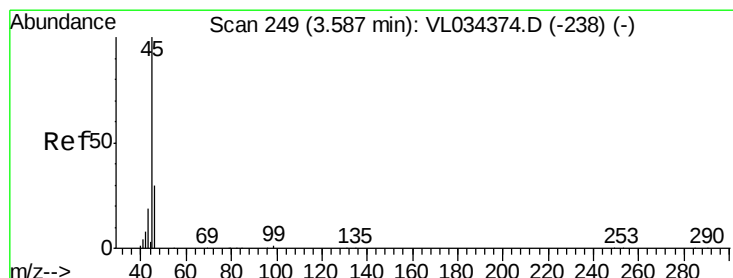
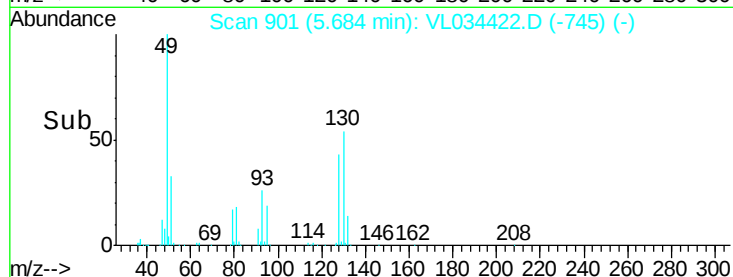
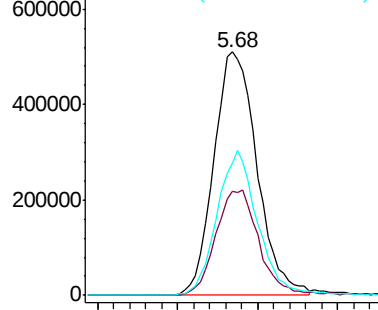
130 57.1 28.0 84.0



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: 0.224 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.03 min

Lab File: VL034422.D

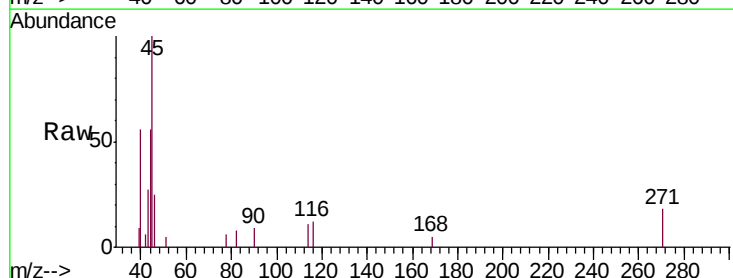
Acq: 2 Dec 2019 11:45

Tgt Ion: 45 Resp: 3240

Ion Ratio Lower Upper

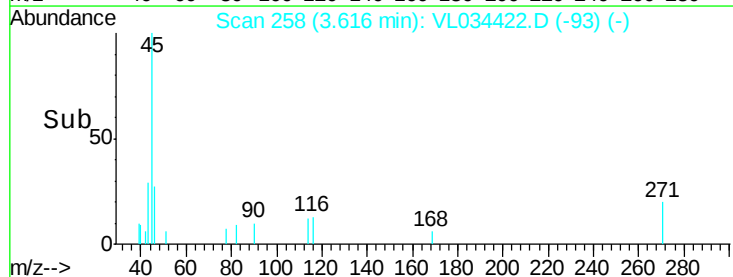
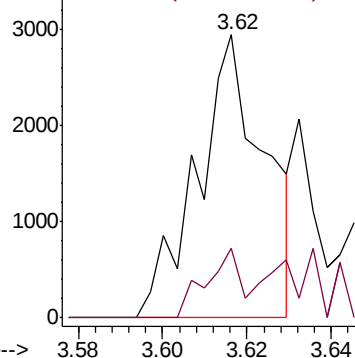
45 100

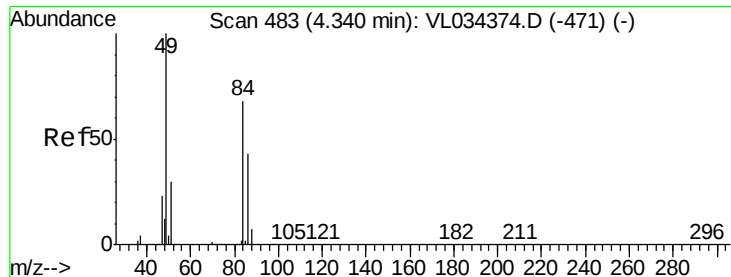
46 30.2 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

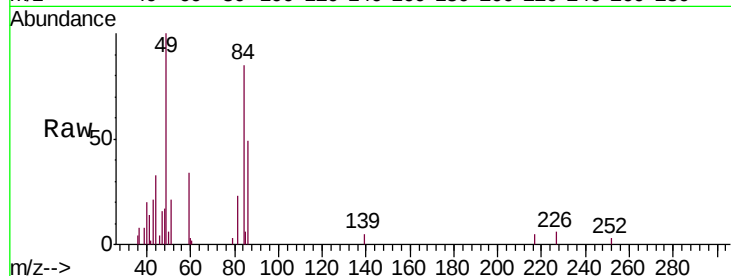




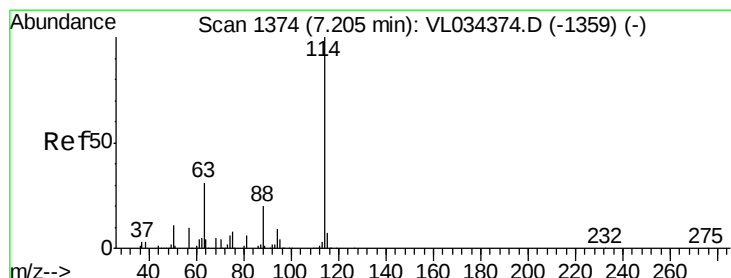
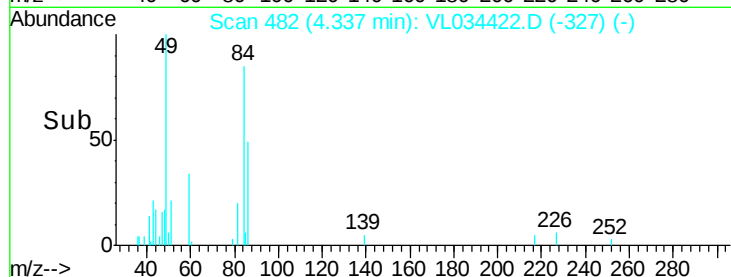
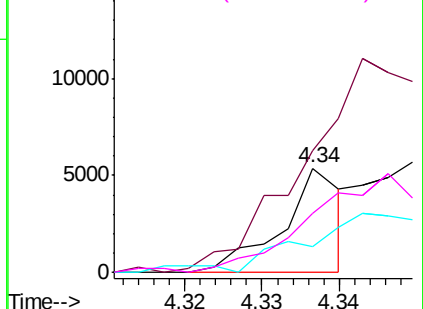
#20
Methylene Chloride
Concen: 0.060 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034422.D
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ClientSampleId :
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Tgt Ion:	84	Resp:	2867
Ion	Ratio	Lower	Upper
84	100		
49	113.4	116.8	175.2#
51	18.1	35.6	53.4#
86	57.1	50.7	76.1

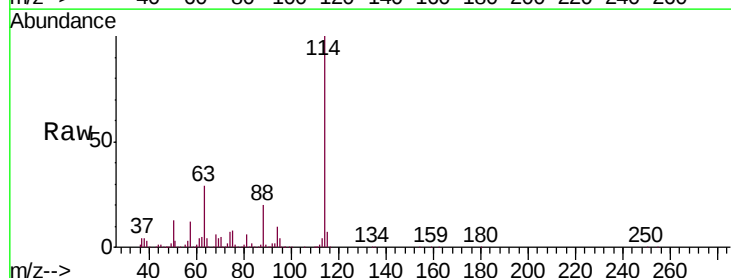


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

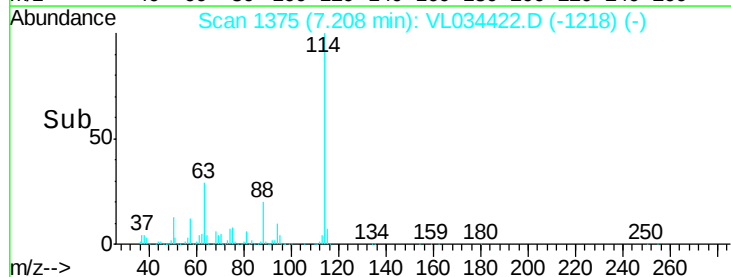
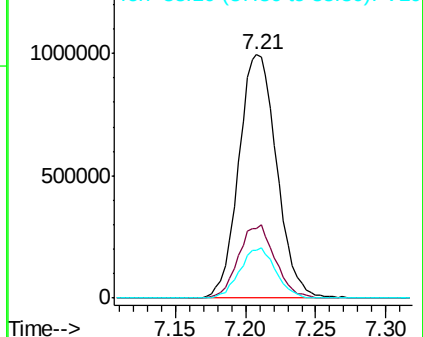


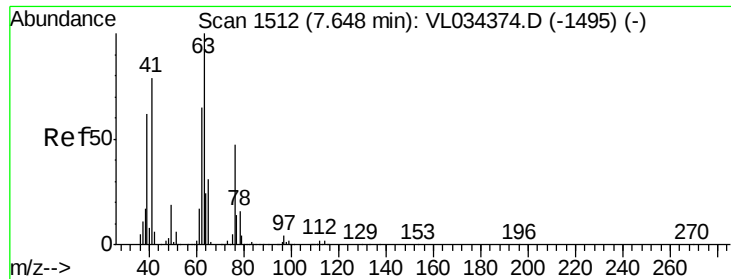
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VL034422.D
Acq: 2 Dec 2019 11:45

Tgt Ion:	114	Resp:	1871721
Ion	Ratio	Lower	Upper
114	100		
63	29.3	24.2	36.4
88	19.6	15.9	23.9



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





#39

1,2-Dichloropropane

Concen: 7.529 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.44 min

Lab File: VL034422.D

Acq: 2 Dec 2019 11:45

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABL01

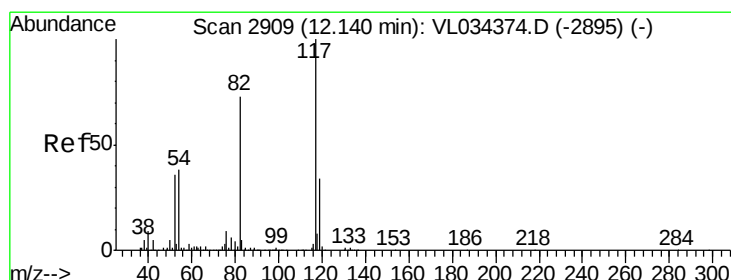
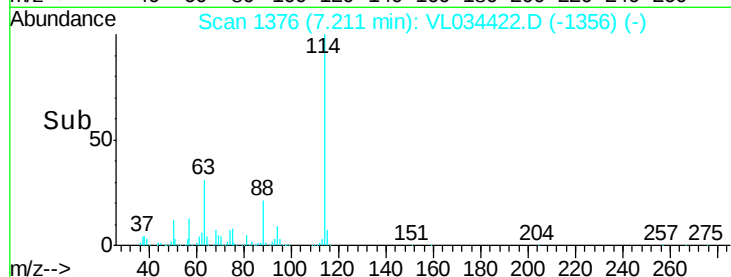
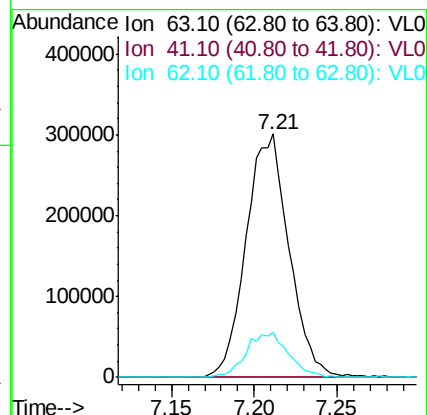
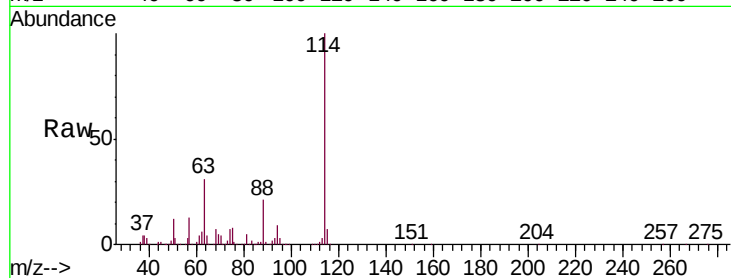
Tgt Ion: 63 Resp: 542685

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

62 18.5 52.3 78.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.00 min

Lab File: VL034422.D

Acq: 2 Dec 2019 11:45

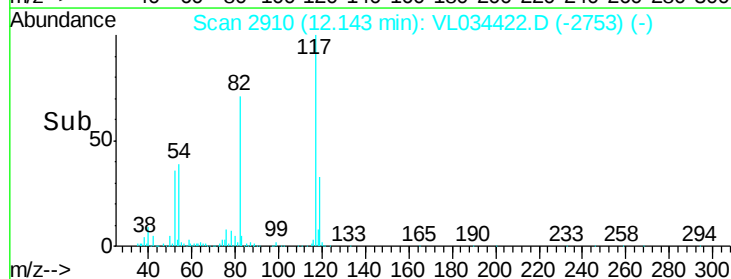
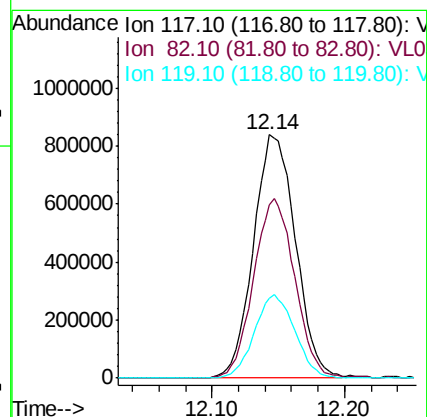
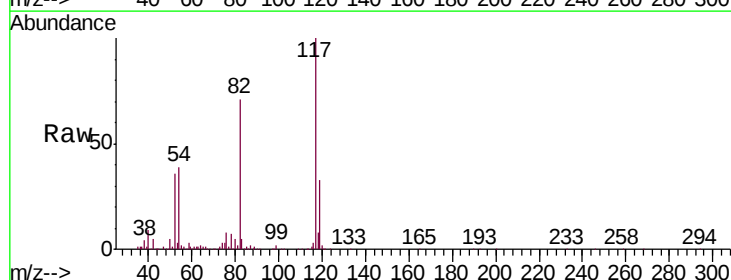
Tgt Ion: 117 Resp: 1847131

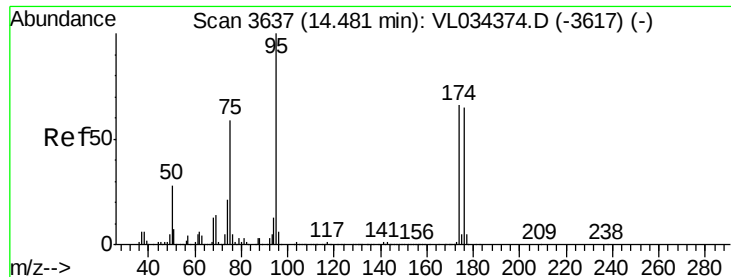
Ion Ratio Lower Upper

117 100

82 72.9 57.5 86.3

119 33.3 25.4 38.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.106 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VL034422.D

Acq: 2 Dec 2019 11:45

Instrument :

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ClientSampleId :

VL1202ABL01

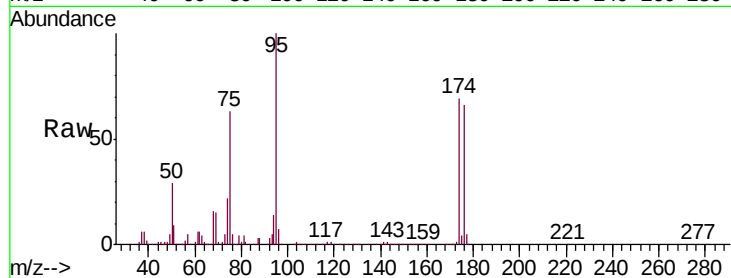
Tgt Ion: 95 Resp: 1570499

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

175 4.7 3.8 5.8



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

