

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034408.D
 Acq On : 25 Nov 2019 16:21
 Operator : SY/AP
 Sample : K5971-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2DL

Quant Time: Nov 29 12:04:18 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	949410	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1906326	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1845094	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1562136	10.06	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

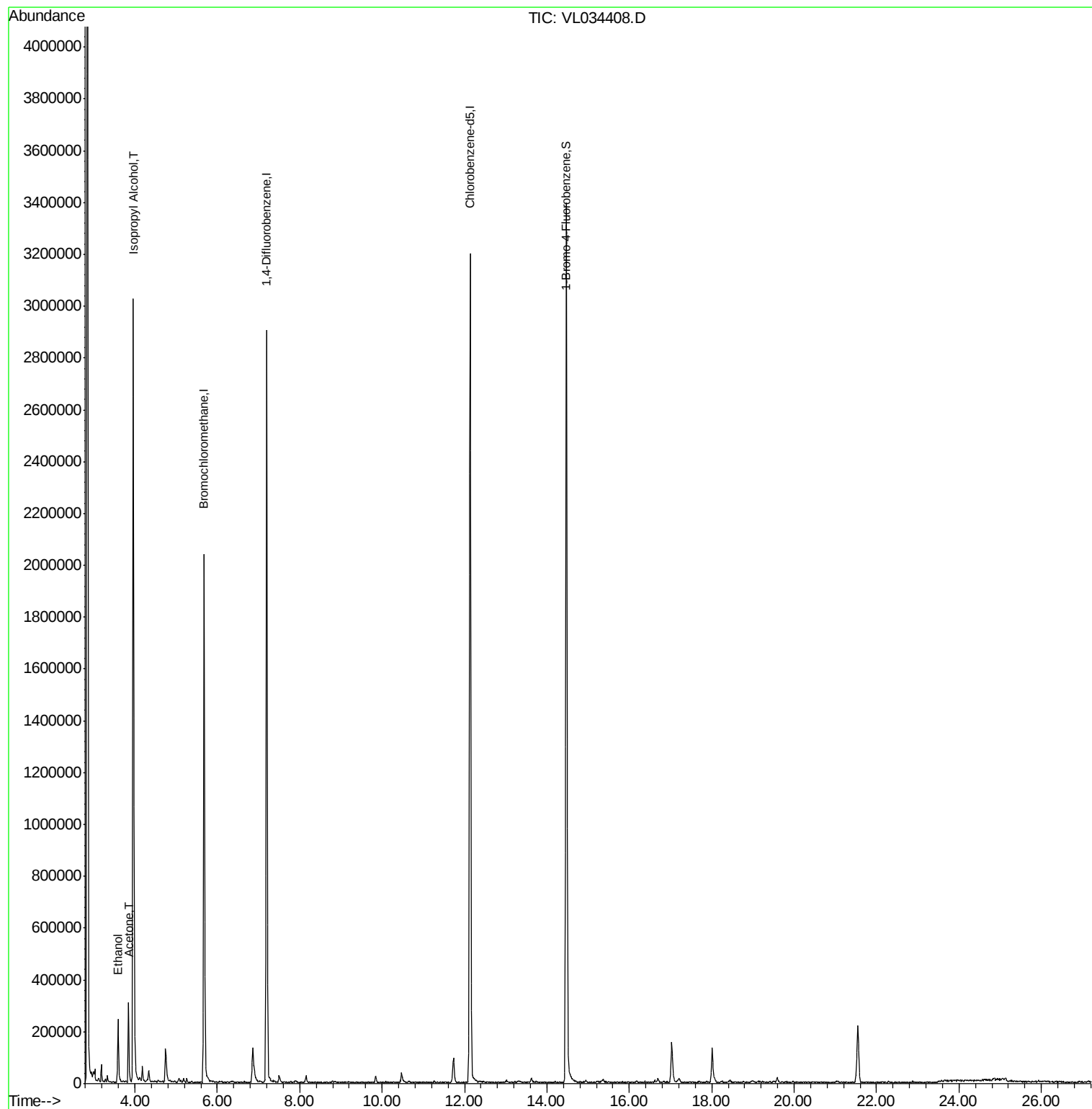
Target Compounds					Ovalue
13) Ethanol	3.59	45	233861	15.963	ppbv 97
15) Acetone	3.84	43	281674	2.072	ppbv 99
19) Isopropyl Alcohol	3.96	45	3344112m	38.375	ppbv

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

2DL

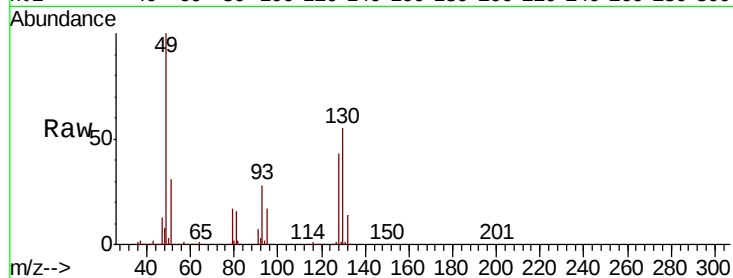
Tot Ion: 49 Resp: 949410

Ion Ratio Lower Upper

49 100

128 44.1 21.8 65.3

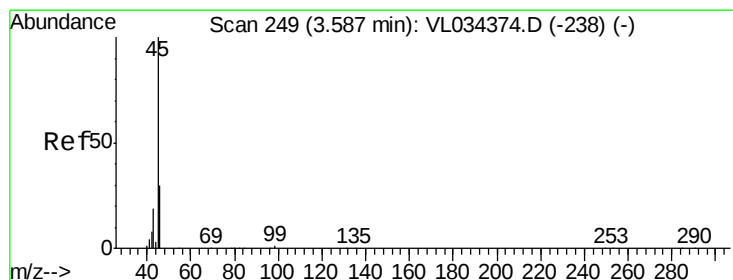
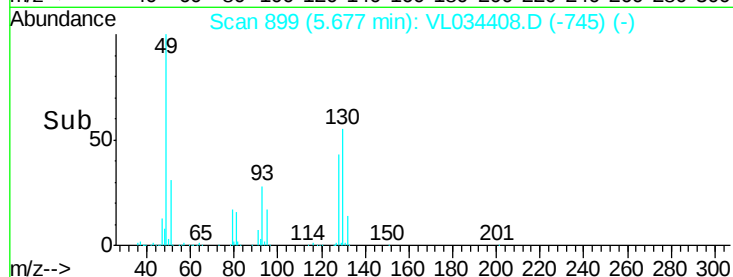
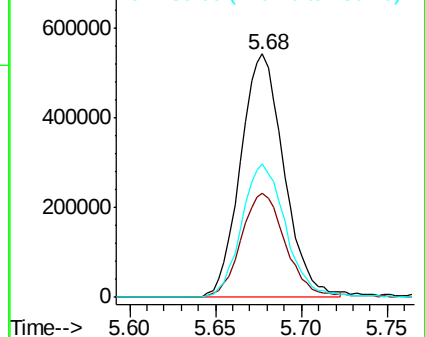
130 55.8 28.0 84.0



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



#13

Ethanol

Concen: 15.963 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.00 min

Lab File: VL034408.D

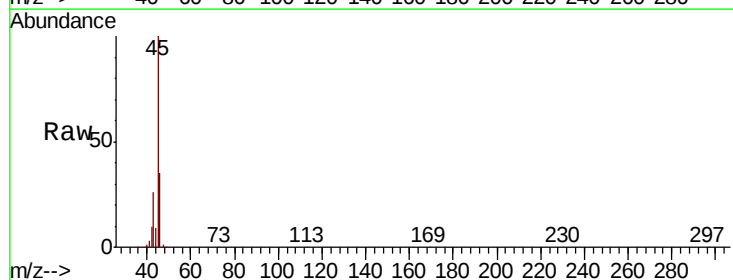
Acq: 25 Nov 2019 16:21

Tgt Ion: 45 Resp: 233861

Ion Ratio Lower Upper

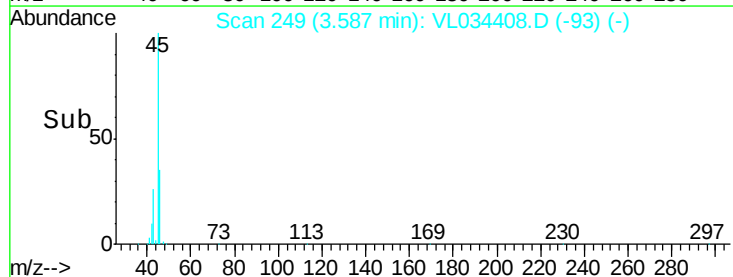
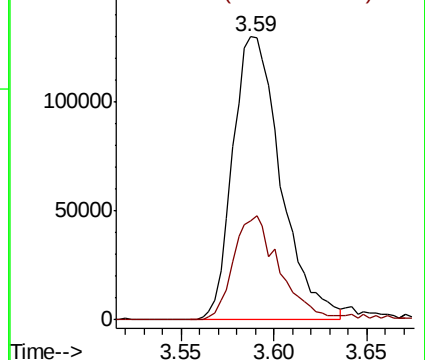
45 100

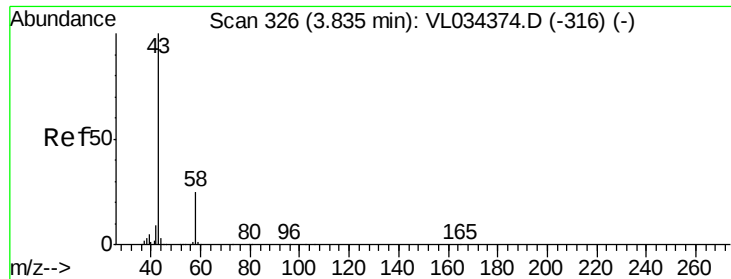
46 36.3 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.072 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL034408.D

Acq: 25 Nov 2019 16:21

Instrument :

MSVOA_L

ClientSampleId :

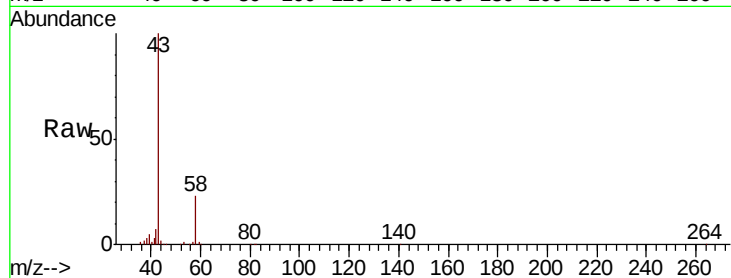
2DL

Tot Ion: 43 Resp: 281674

Ion Ratio Lower Upper

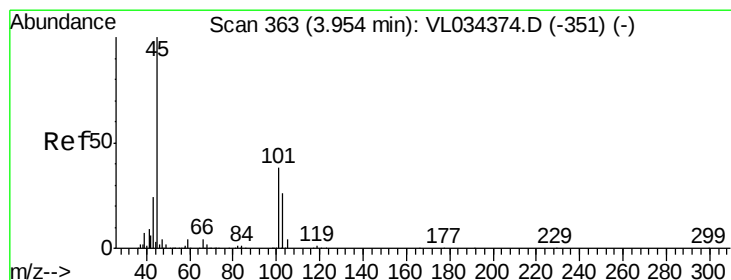
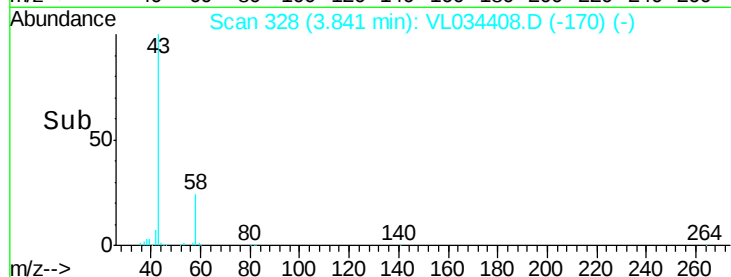
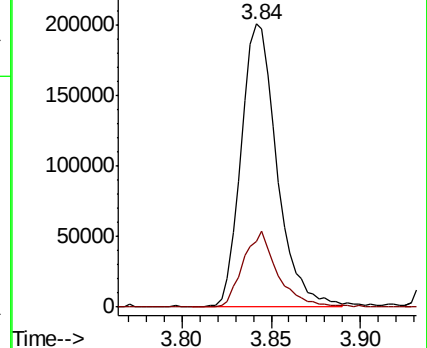
43 100

58 25.9 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 38.375 ppbv m

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL034408.D

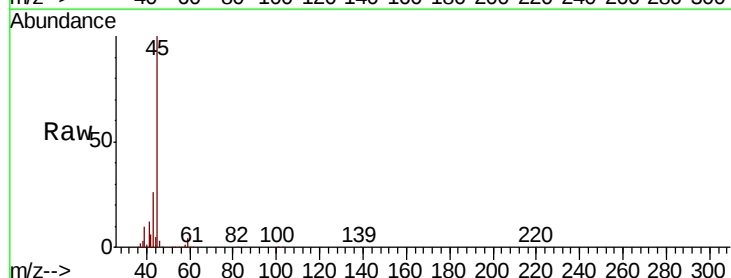
Acq: 25 Nov 2019 16:21

Tgt Ion: 45 Resp: 3344112

Ion Ratio Lower Upper

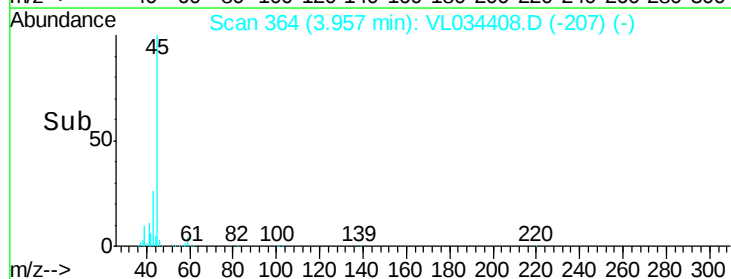
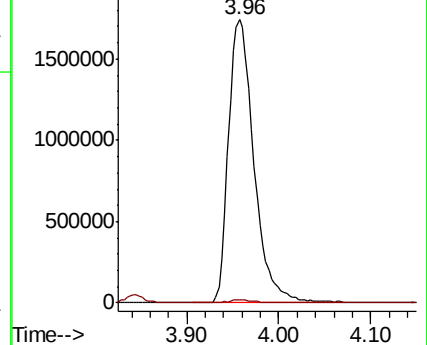
45 100

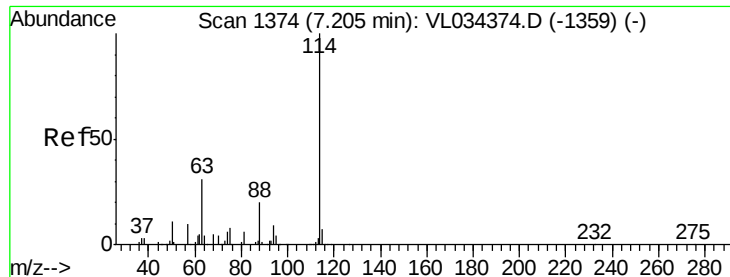
58 0.0 1.3 1.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

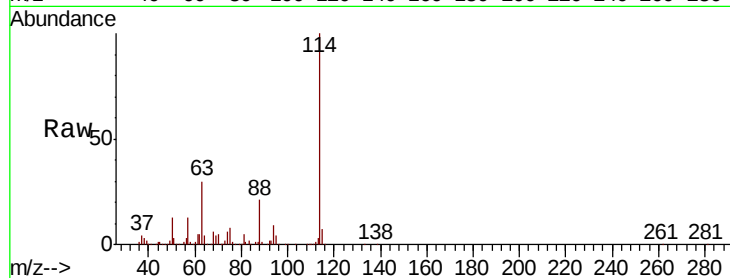




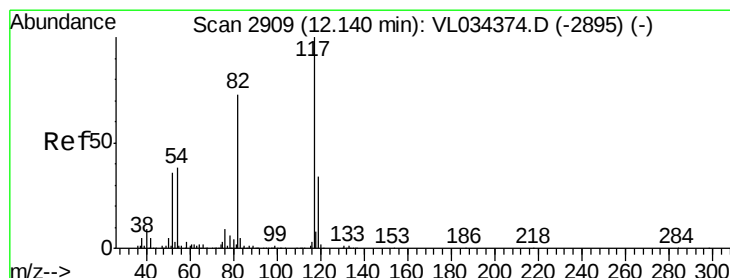
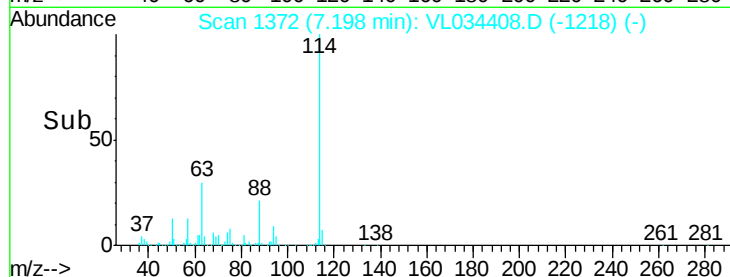
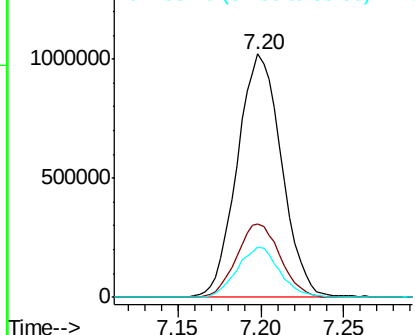
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: VL034408.D
 Acq: 25 Nov 2019 16:21

Instrument :
 MSVOA_L
 ClientSampleId :
 2DL

Tot Ion:114 Resp: 1906326
 Ion Ratio Lower Upper
 114 100
 63 29.9 24.2 36.4
 88 19.7 15.9 23.9

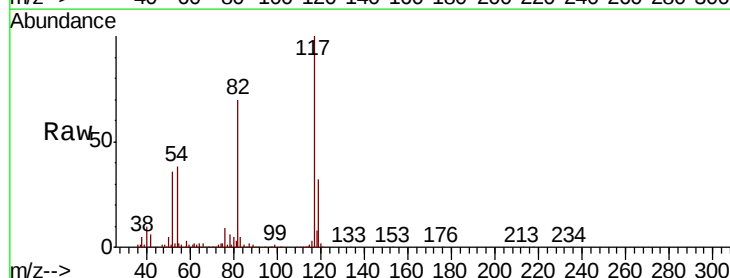


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

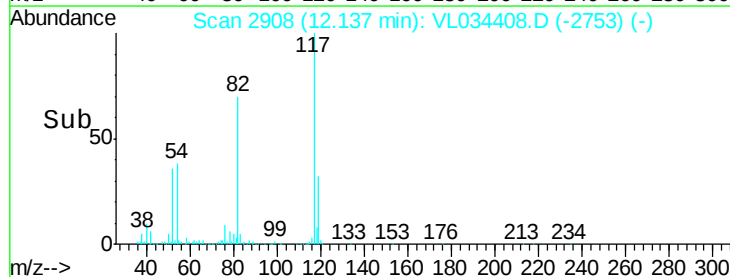
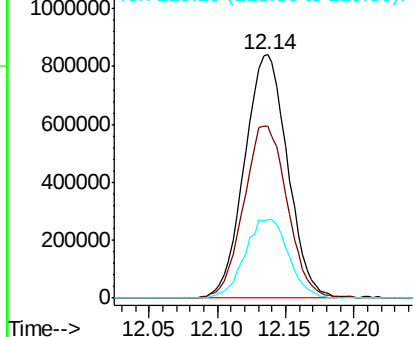


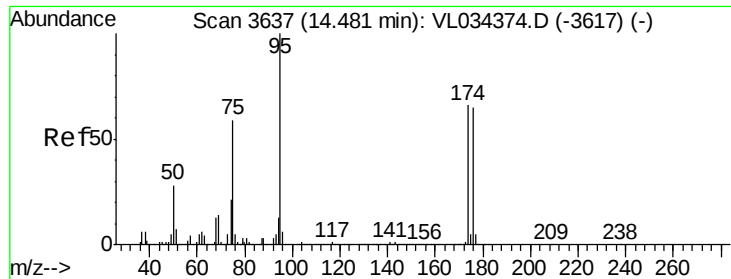
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T. -0.00 min
 Lab File: VL034408.D
 Acq: 25 Nov 2019 16:21

Tgt Ion:117 Resp: 1845094
 Ion Ratio Lower Upper
 117 100
 82 71.6 57.5 86.3
 119 33.1 25.4 38.2



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: 10.064 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.01 min

Lab File: VL034408.D

Acq: 25 Nov 2019 16:21

Instrument :

MSVOA_L

ClientSampleId :

2DL

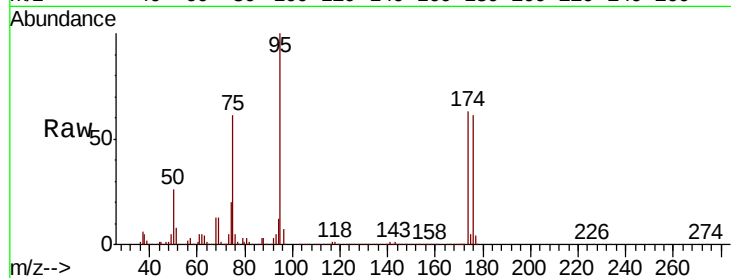
Tot Ion: 95 Resp: 1562136

Ion Ratio Lower Upper

95 100

174 67.1 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

