

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034247.D
 Acq On : 8 Oct 2019 10:31
 Operator : SY/AP
 Sample : K5225-04DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Quant Time: Oct 10 20:49:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	888167	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1517698	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1555901	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1374857	10.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

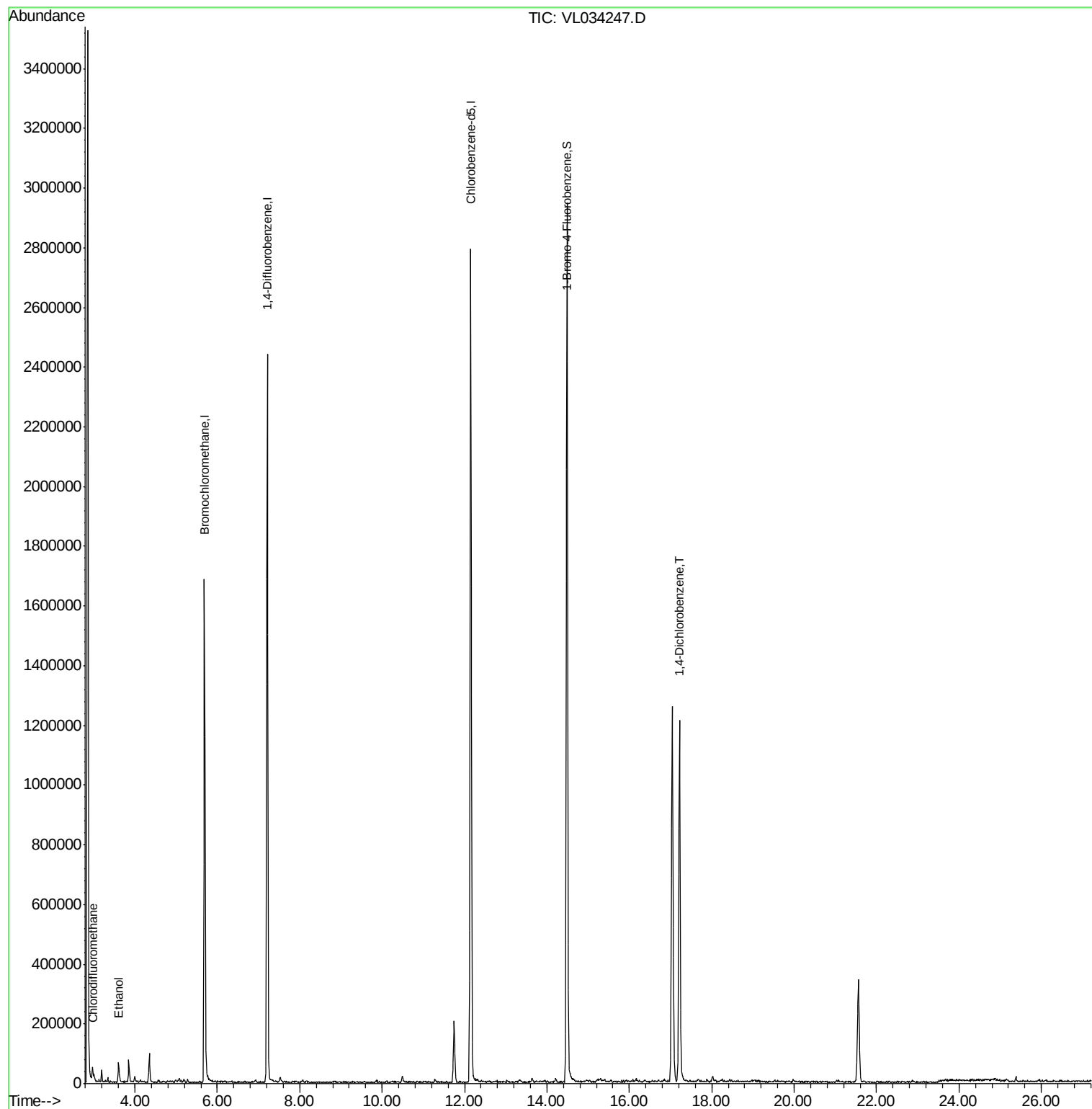
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	34211	0.329	ppbv	100
13) Ethanol	3.60	45	65752	5.285	ppbv	95
76) 1,4-Dichlorobenzene	17.22	146	561094	4.238	ppbv	99

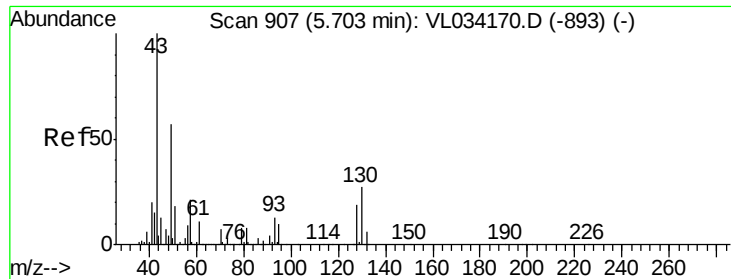
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034247.D

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MSVOA_L

ClientSampleId :

IA2DL2

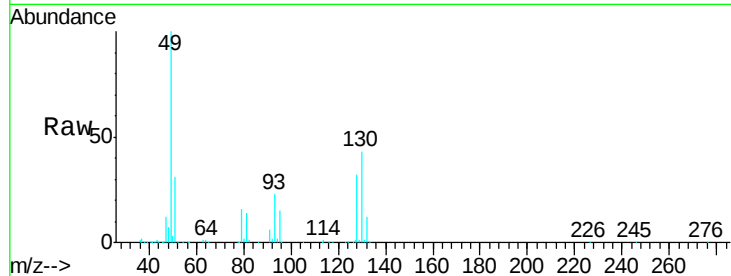
Tgt Ion: 49 Resp: 888167

Ion Ratio Lower Upper

49 100

128 35.9 17.6 52.9

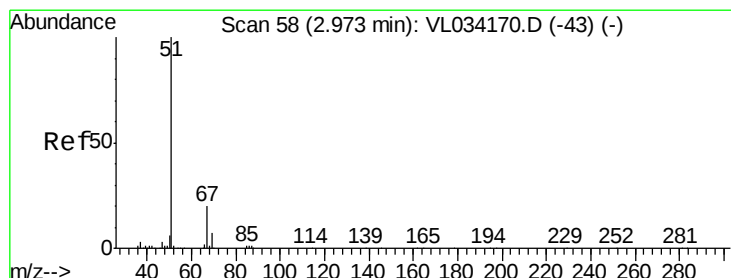
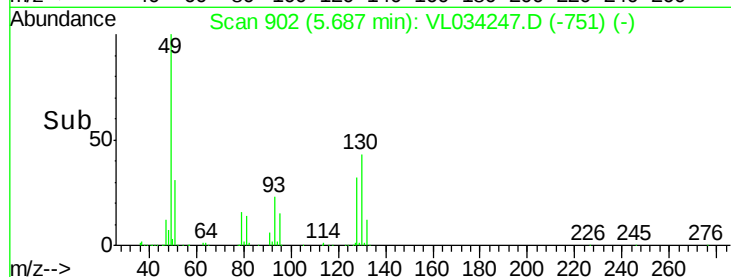
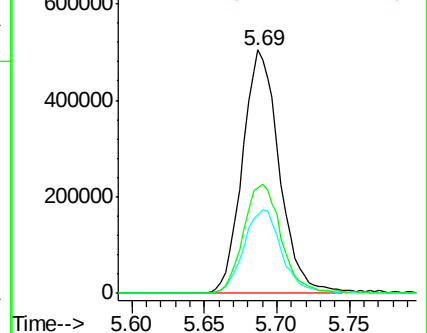
130 46.6 22.3 66.9



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



#3

Chlorodifluoromethane

Concen: 0.329 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034247.D

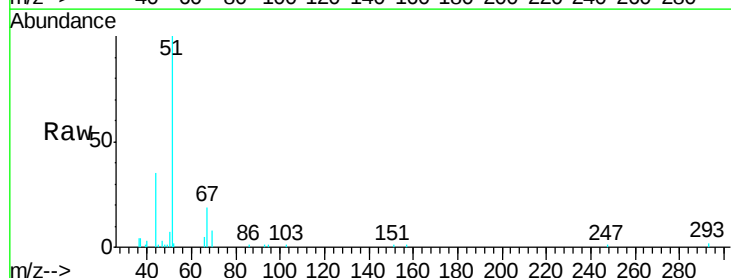
Acq: 8 Oct 2019 10:31

Tgt Ion: 51 Resp: 34211

Ion Ratio Lower Upper

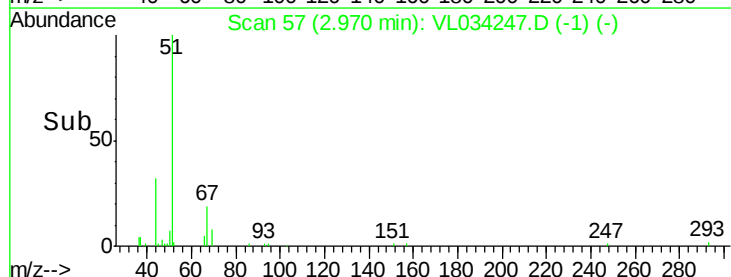
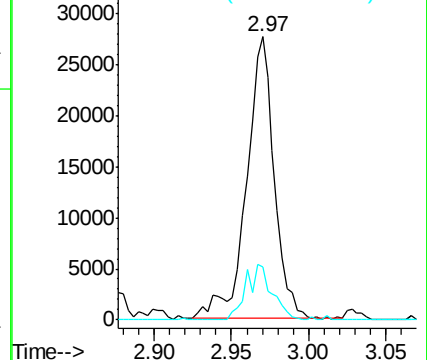
51 100

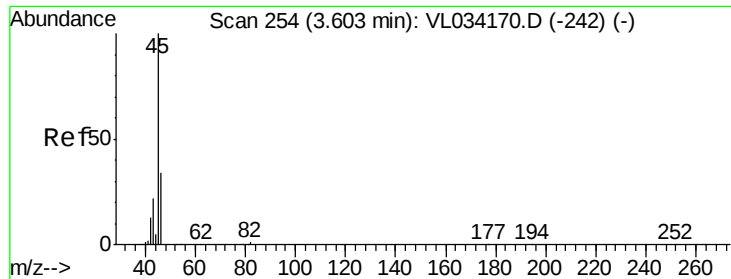
67 18.7 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

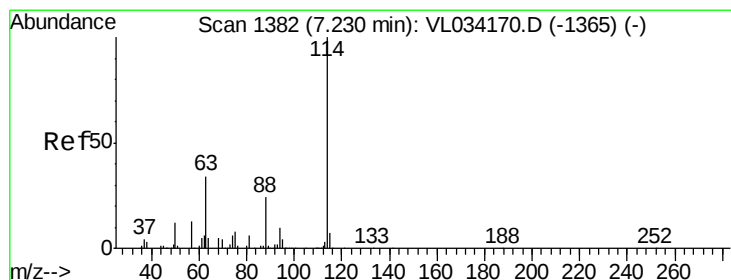
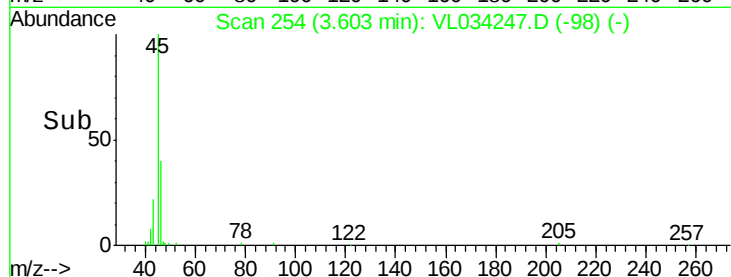
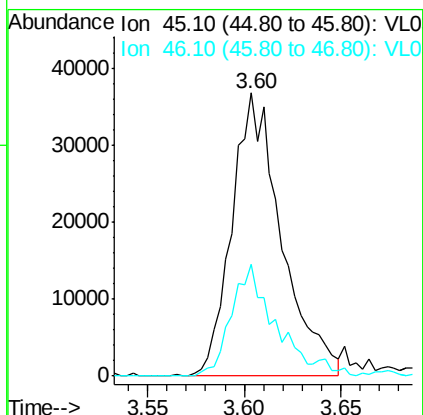
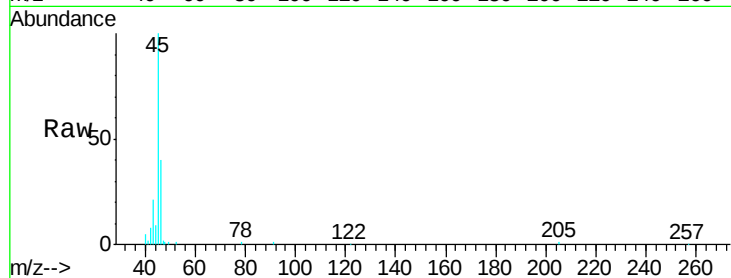




#13
Ethanol
Concen: 5.285 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034247.D
Acq: 8 Oct 2019 10:31

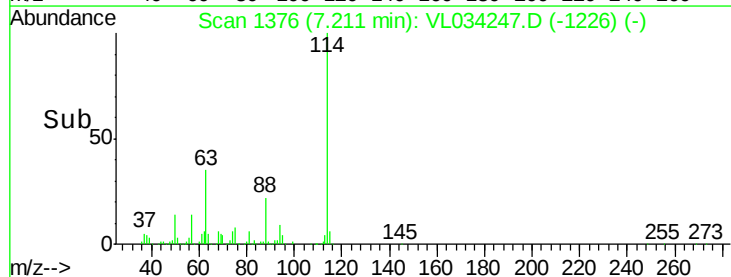
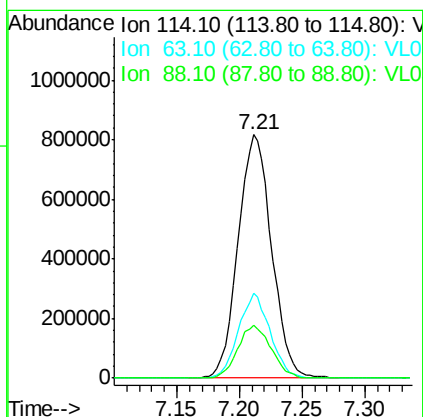
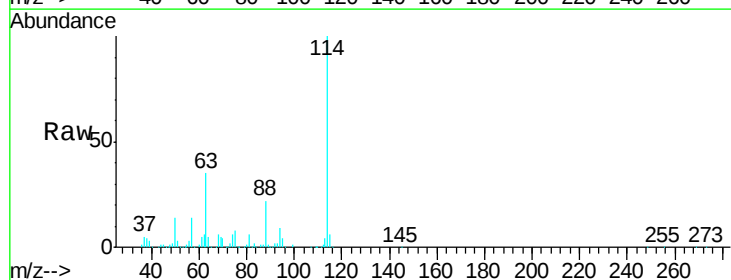
Instrument :
MSVOA_L
ClientSampleId :
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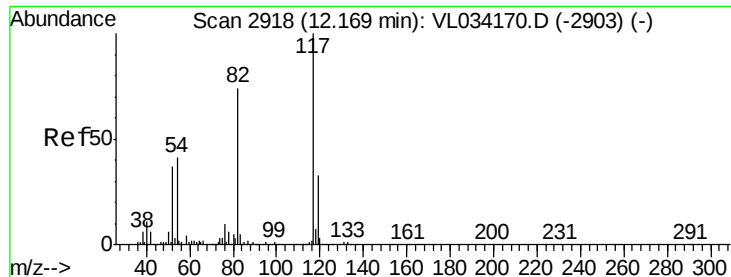
Tgt Ion: 45 Resp: 65752
Ion Ratio Lower Upper
45 100
46 35.6 15.5 61.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034247.D
Acq: 8 Oct 2019 10:31

Tgt Ion: 114 Resp: 1517698
Ion Ratio Lower Upper
114 100
63 33.1 27.8 41.6
88 21.5 17.1 25.7

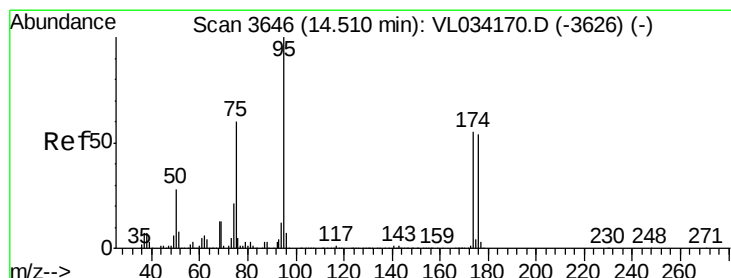
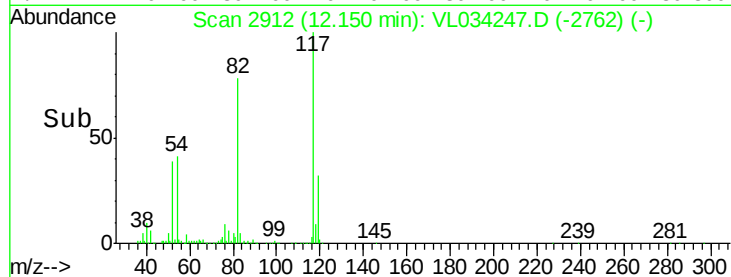
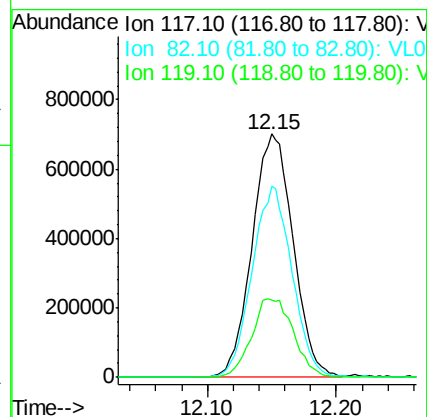
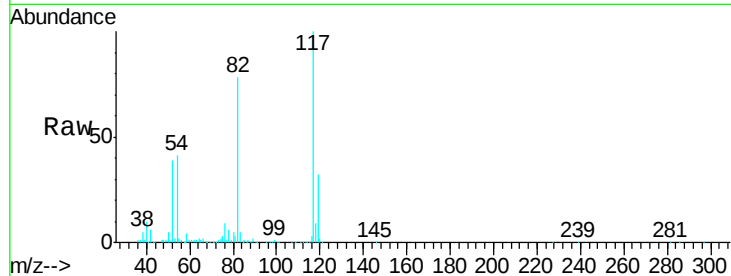




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034247.D
Acq: 8 Oct 2019 10:31

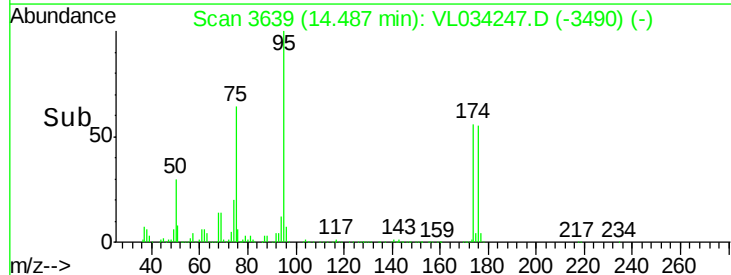
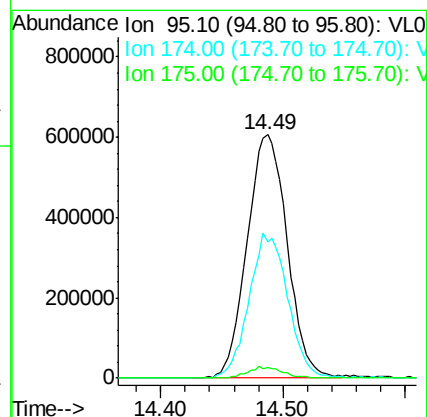
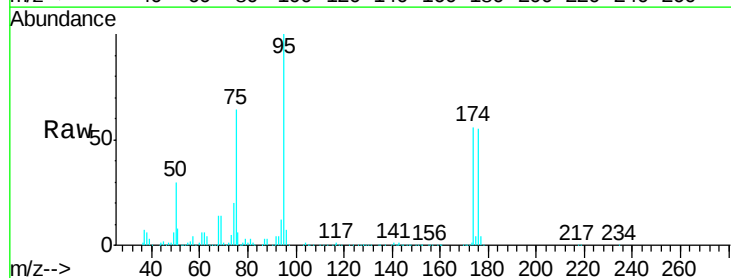
Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

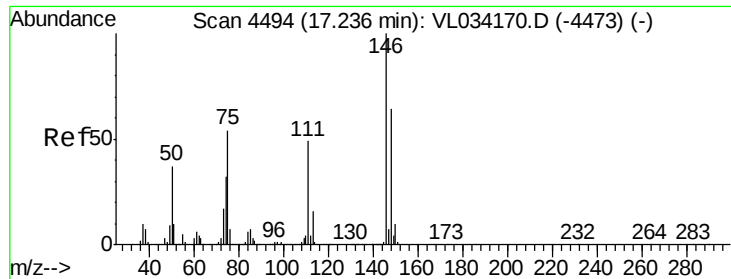
Tgt Ion:117 Resp: 1555901
Ion Ratio Lower Upper
117 100
82 76.7 58.2 87.4
119 32.9 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.169 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034247.D
Acq: 8 Oct 2019 10:31

Tgt Ion: 95 Resp: 1374857
Ion Ratio Lower Upper
95 100
174 57.9 45.1 67.7
175 4.1 3.3 4.9





#76

1,4-Dichlorobenzene

Concen: 4.238 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. -0.02 min

Lab File: VL034247.D

Acq: 8 Oct 2019 10:31

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

Tgt Ion:146 Resp: 561094

Ion Ratio Lower Upper

146 100

111 49.8 24.6 74.0

148 64.3 32.4 97.0

