

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
 Data File : VL034502.D
 Acq On : 17 Dec 2019 21:11
 Operator : SY/AP
 Sample : K6319-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA2DL

Quant Time: Dec 18 04:23:19 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	5.67	49	961630	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1884753	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1885110	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1607260	10.13	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

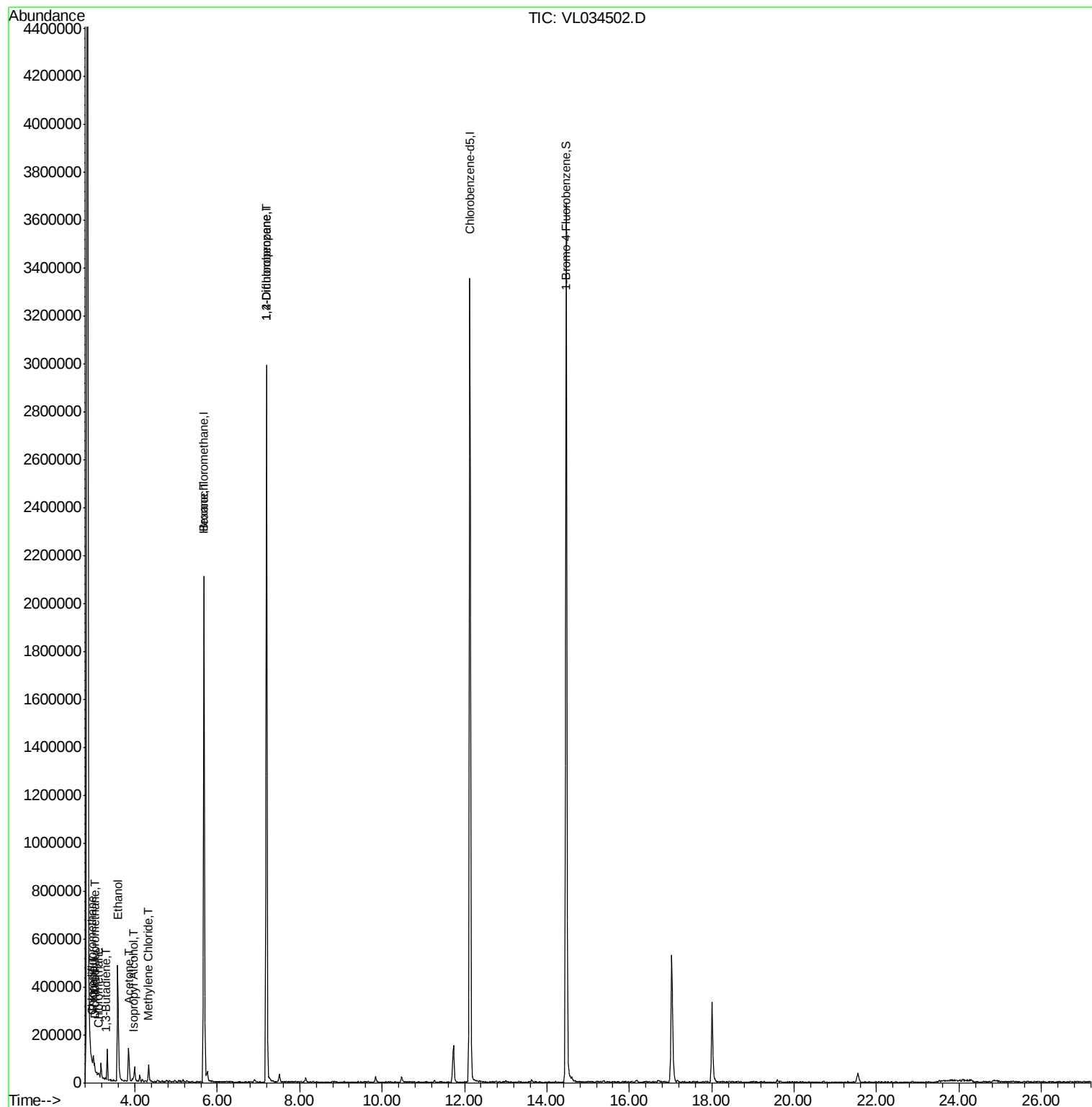
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	12233	0.070	ppbv #	76
3) Chlorodifluoromethane	2.96	51	6903	0.058	ppbv	94
4) Chloromethane	3.11	50	3178	0.045	ppbv #	79
9) Propene	2.99	41	7493	0.141	ppbv	90
13) Ethanol	3.58	45	488099	32.895	ppbv	96
15) Acetone	3.84	43	127383	0.925	ppbv	97
16) 1,3-Butadiene	3.29	39	1844	0.031	ppbv #	9
19) Isopropyl Alcohol	3.96	45	5125	0.058	ppbv #	53
20) Methylene Chloride	4.33	84	20464	0.419	ppbv #	77
26) Hexane	5.68	57	4523	0.043	ppbv #	16
39) 1,2-Dichloropropane	7.20	63	558061	7.688	ppbv #	25

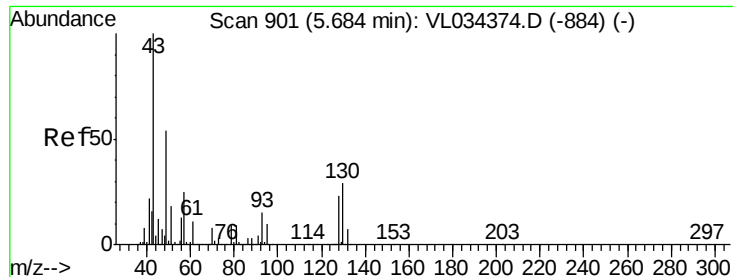
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034502.D

Acq: 17 Dec 2019 21:11

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA2DL

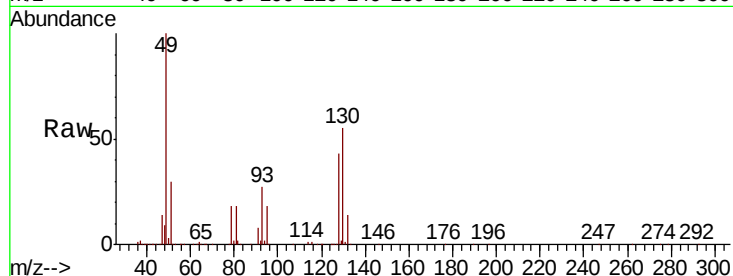
Tgt Ion: 49 Resp: 961630

Ion Ratio Lower Upper

49 100

128 44.2 21.8 65.3

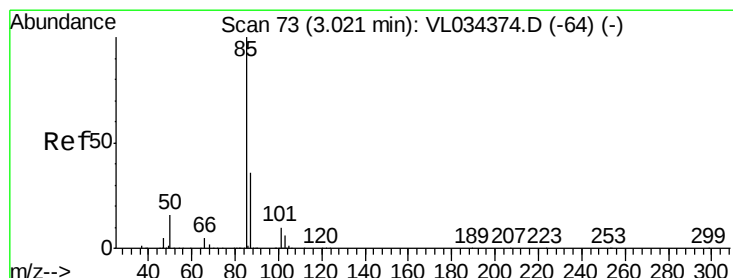
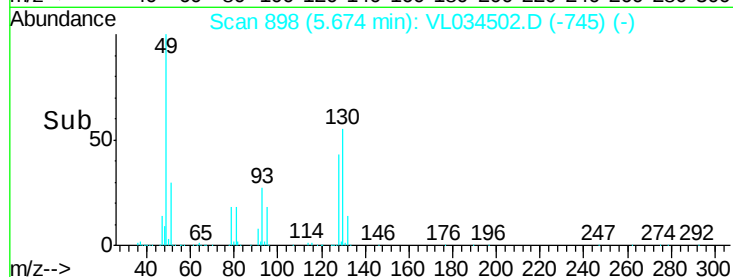
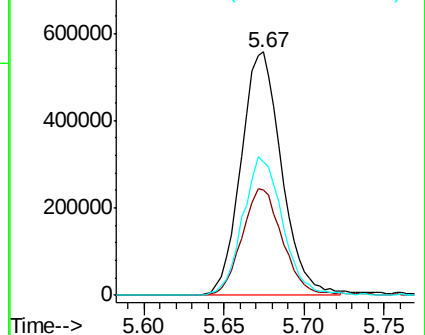
130 56.1 28.0 84.0



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



#2

Dichlorodifluoromethane

Concen: 0.070 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL034502.D

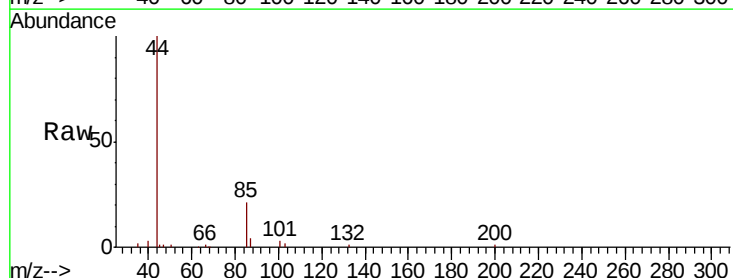
Acq: 17 Dec 2019 21:11

Tgt Ion: 85 Resp: 12233

Ion Ratio Lower Upper

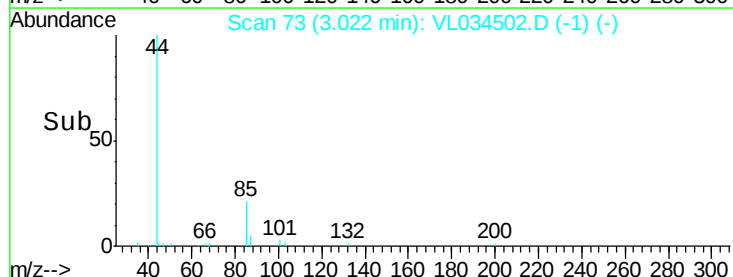
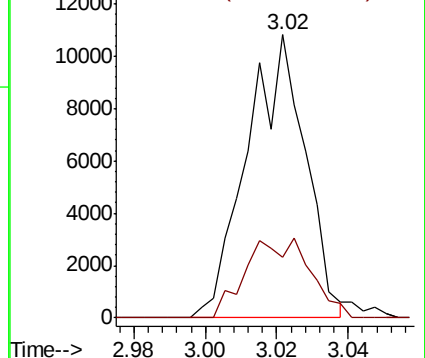
85 100

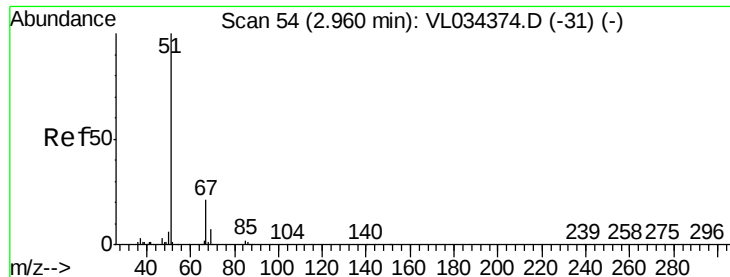
87 21.3 28.5 42.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

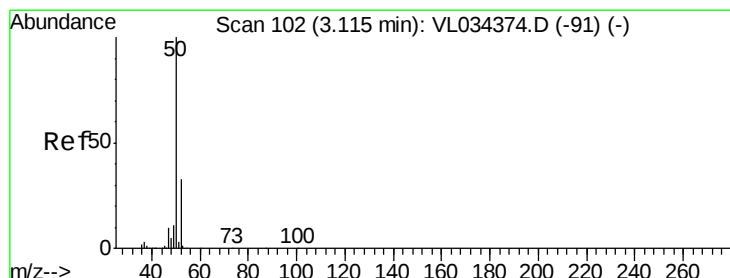
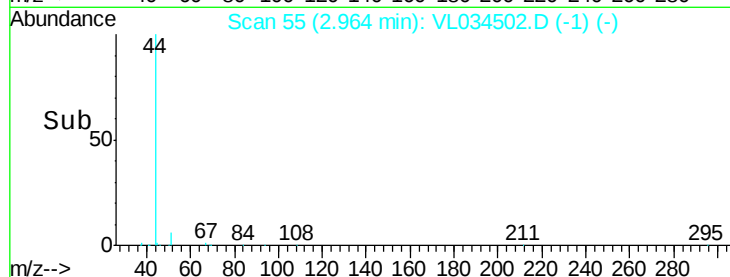
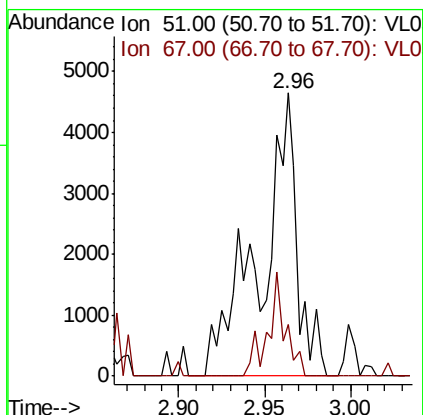
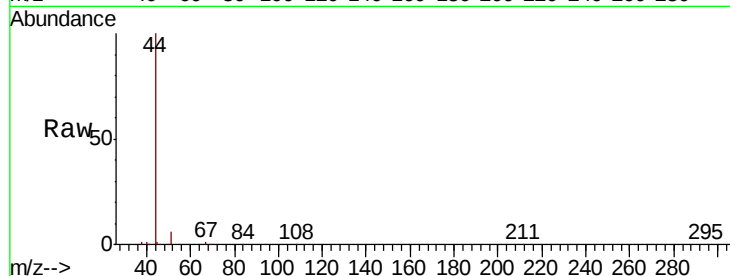




#3
Chlorodifluoromethane
Concen: 0.058 ppbv
RT: 2.96 min Scan# 55
Delta R.T. 0.00 min
Lab File: VL034502.D
Acq: 17 Dec 2019 21:11

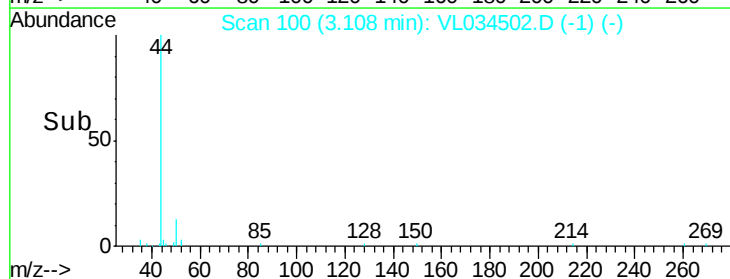
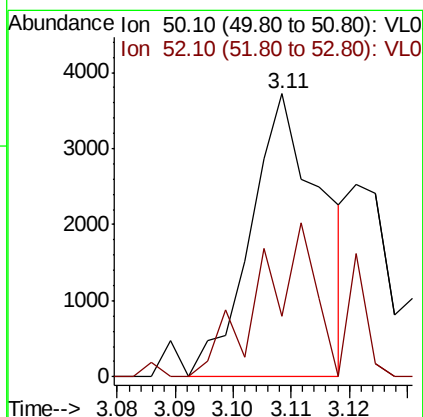
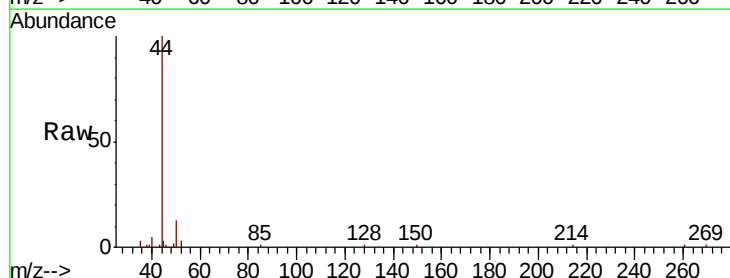
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2DL

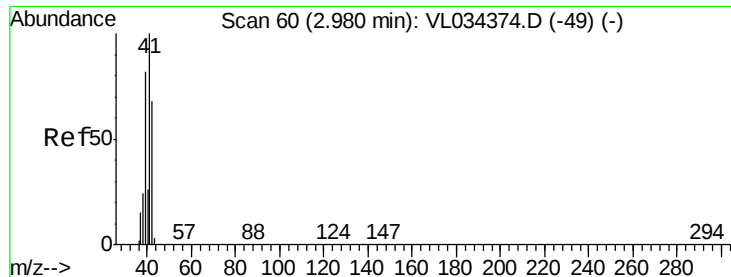
Tgt Ion: 51 Resp: 6903
Ion Ratio Lower Upper
51 100
67 17.6 16.2 24.2



#4
Chloromethane
Concen: 0.045 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.01 min
Lab File: VL034502.D
Acq: 17 Dec 2019 21:11

Tgt Ion: 50 Resp: 3178
Ion Ratio Lower Upper
50 100
52 21.5 26.8 40.2#





#9

Propene

Concen: 0.141 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034502.D

Acq: 17 Dec 2019 21:11

Instrument :

MSVOA_L

ClientSampleId :

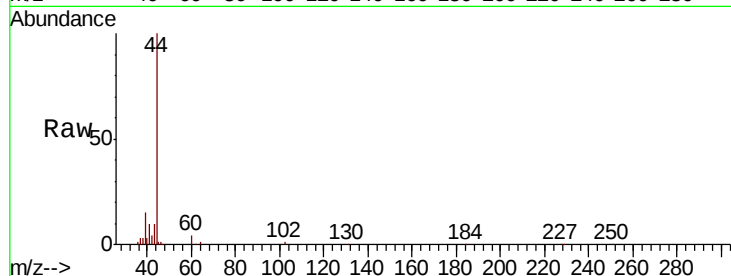
LIHA-IA2DL

Tgt Ion: 41 Resp: 7493

Ion Ratio Lower Upper

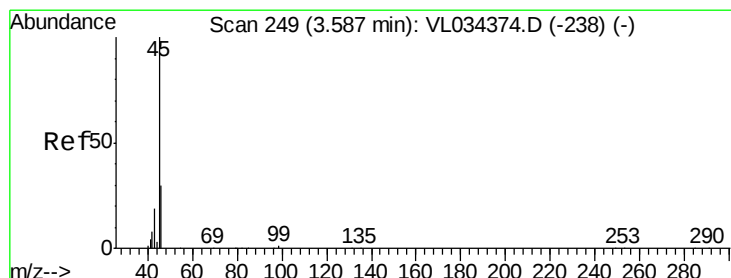
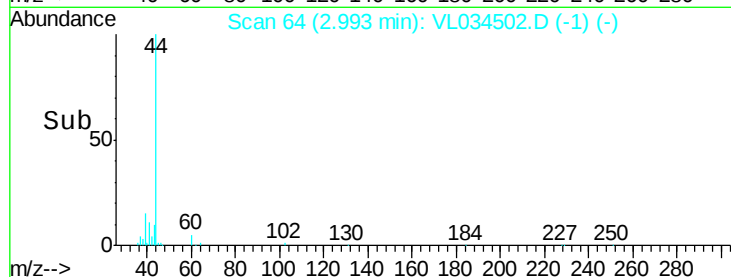
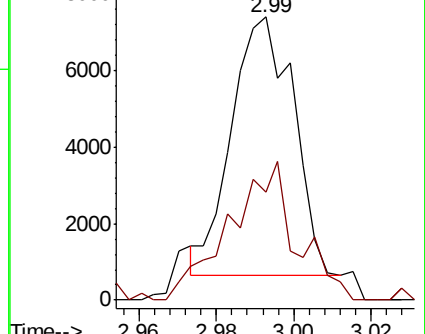
41 100

42 60.5 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 32.895 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL034502.D

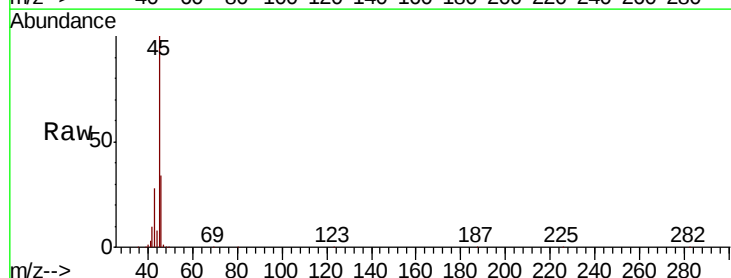
Acq: 17 Dec 2019 21:11

Tgt Ion: 45 Resp: 488099

Ion Ratio Lower Upper

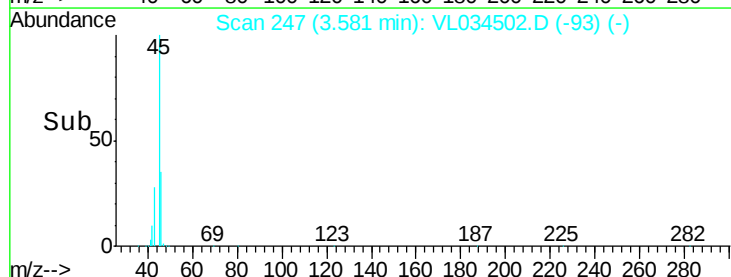
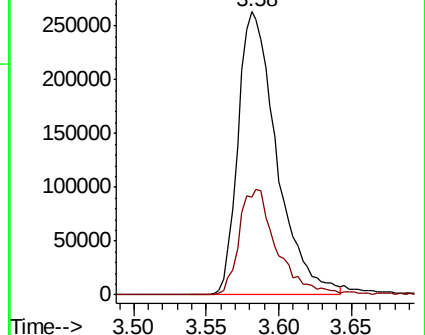
45 100

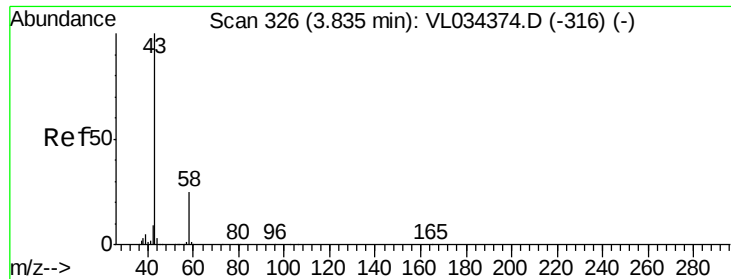
46 36.8 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.925 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL034502.D

Acq: 17 Dec 2019 21:11

Instrument :

MSVOA_L

ClientSampleId :

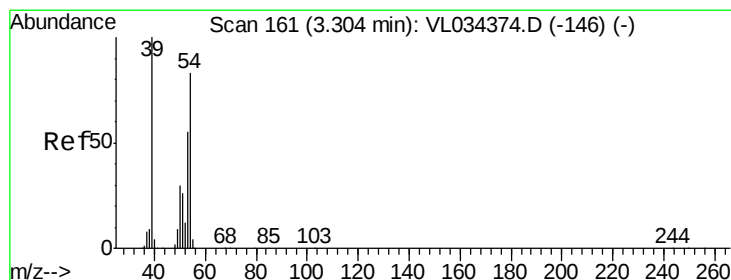
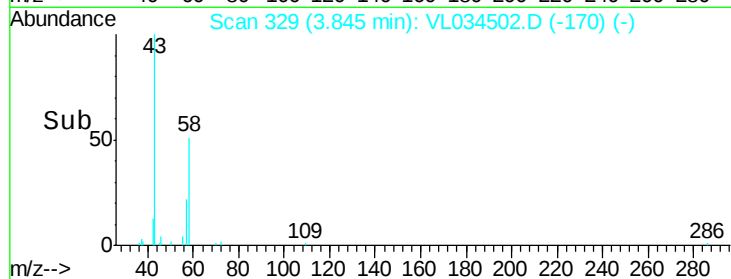
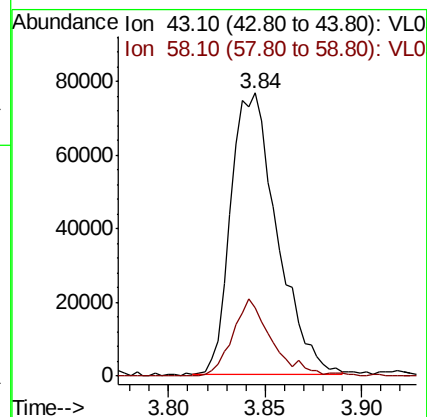
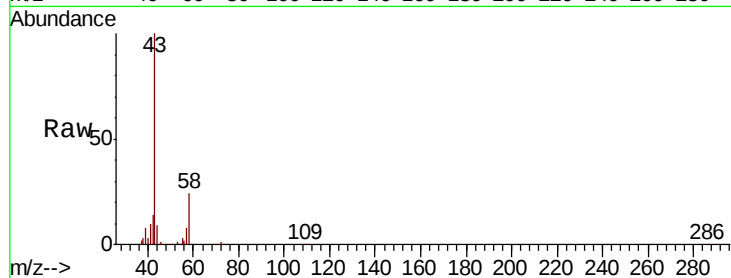
LIHA-IA2DL

Tgt Ion: 43 Resp: 127383

Ion Ratio Lower Upper

43 100

58 23.7 20.2 30.4



#16

1,3-Butadiene

Concen: 0.031 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.02 min

Lab File: VL034502.D

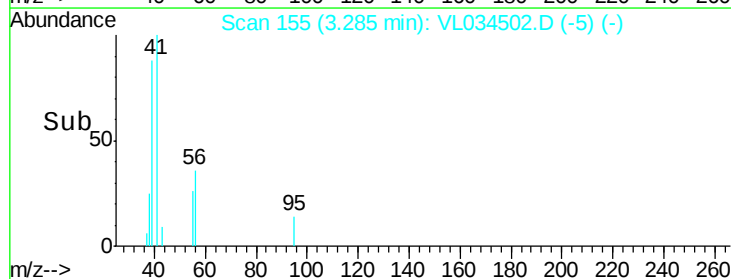
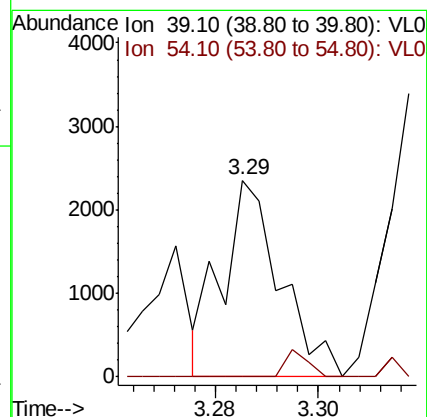
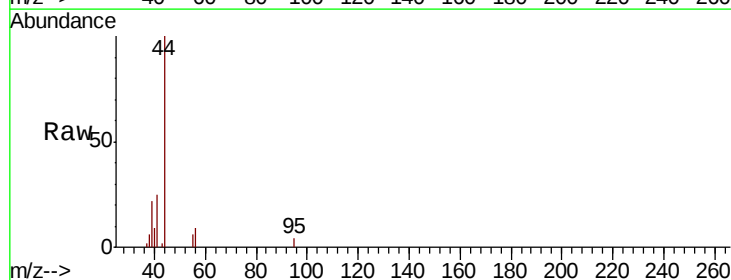
Acq: 17 Dec 2019 21:11

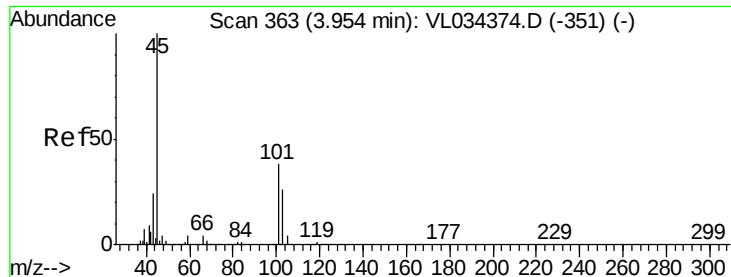
Tgt Ion: 39 Resp: 1844

Ion Ratio Lower Upper

39 100

54 0.0 64.7 97.1#

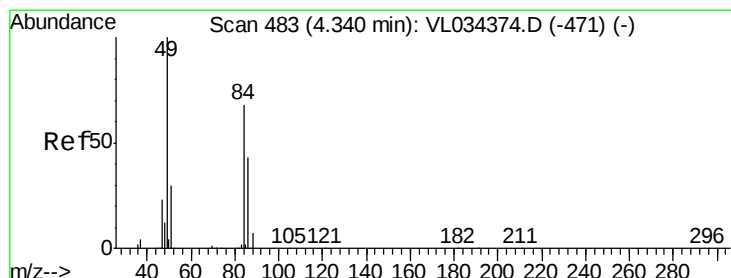
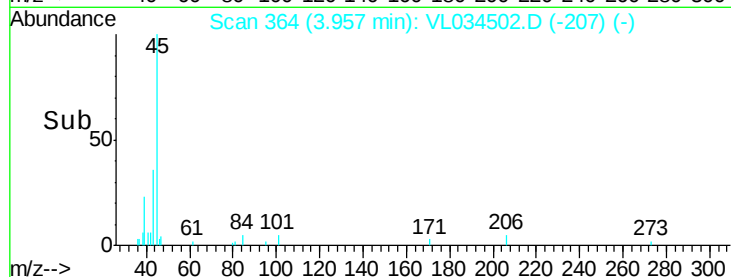
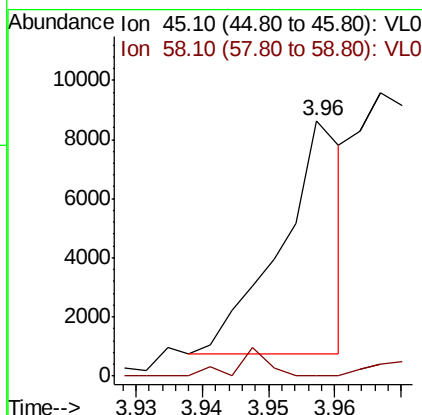
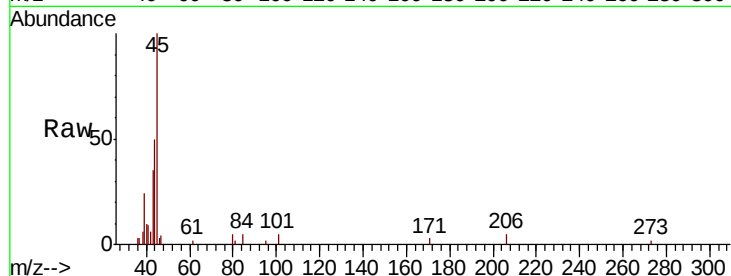




#19
Isopropyl Alcohol
Concen: 0.058 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL034502.D
Acq: 17 Dec 2019 21:11

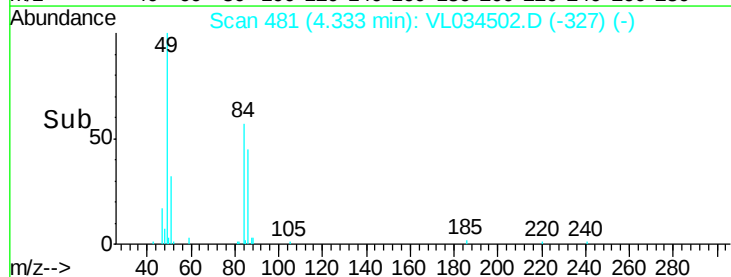
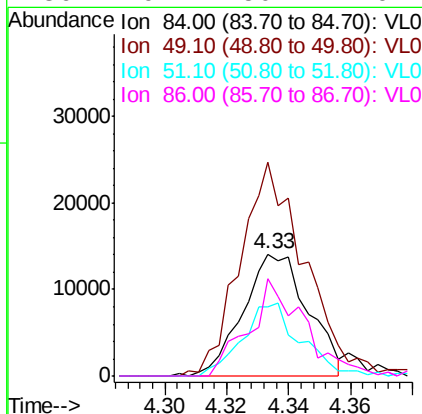
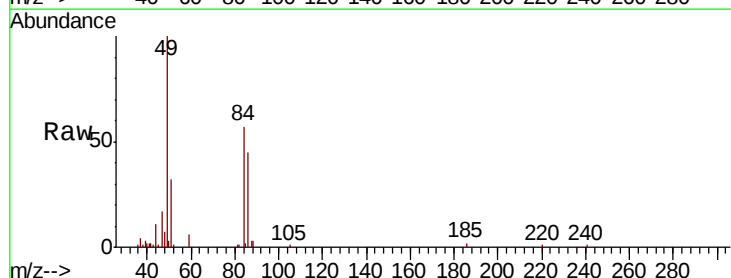
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2DL

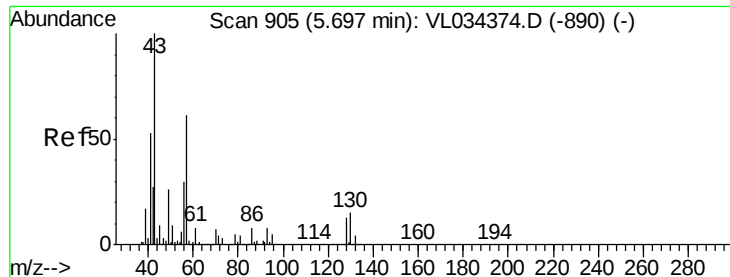
Tgt Ion: 45 Resp: 5125
Ion Ratio Lower Upper
45 100
58 19.2 1.3 1.9#



#20
Methylene Chloride
Concen: 0.419 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034502.D
Acq: 17 Dec 2019 21:11

Tgt Ion: 84 Resp: 20464
Ion Ratio Lower Upper
84 100
49 176.1 116.8 175.2#
51 58.5 35.6 53.4#
86 79.2 50.7 76.1#





#26

Hexane

Concen: 0.043 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034502.D

Acq: 17 Dec 2019 21:11

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA2DL

Tgt Ion: 57 Resp: 4523

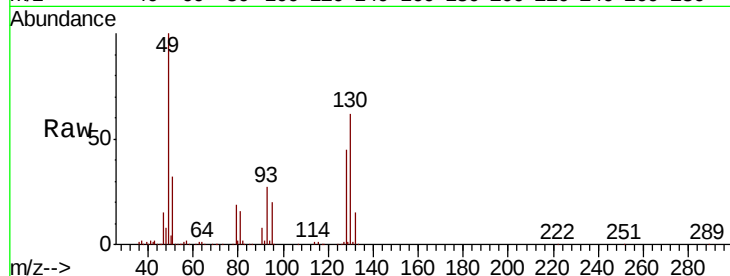
Ion Ratio Lower Upper

57 100

41 0.0 75.0 112.4#

43 340.2 186.6 279.8#

56 159.2 41.5 62.3#

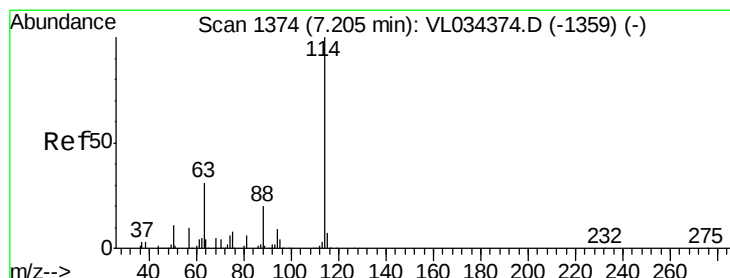
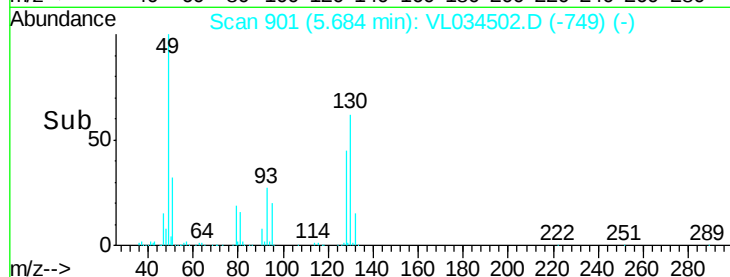
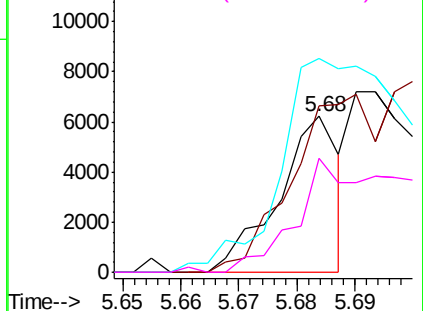


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. -0.01 min

Lab File: VL034502.D

Acq: 17 Dec 2019 21:11

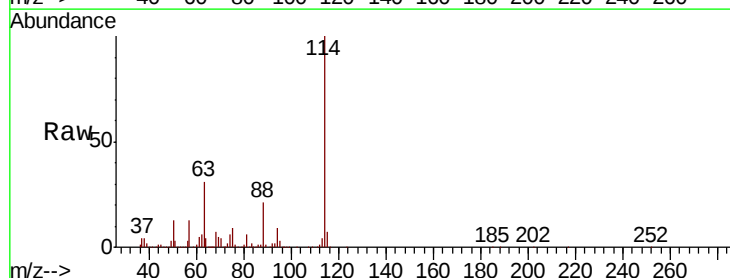
Tgt Ion: 114 Resp: 1884753

Ion Ratio Lower Upper

114 100

63 29.8 24.2 36.4

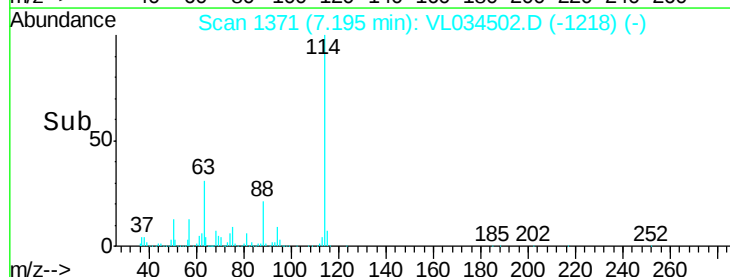
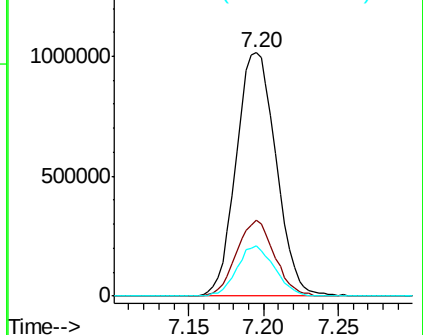
88 19.6 15.9 23.9

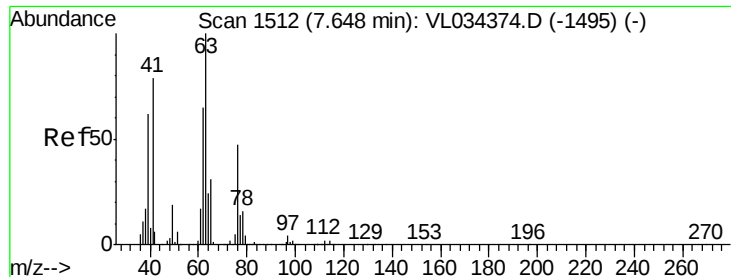


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

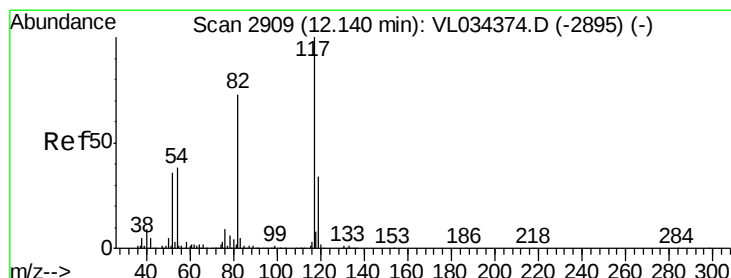
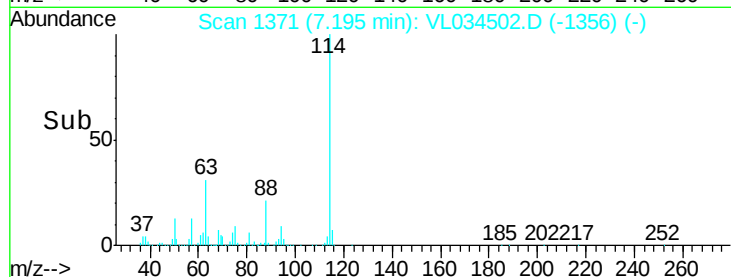
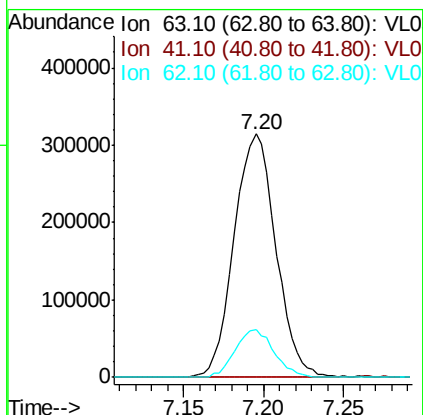
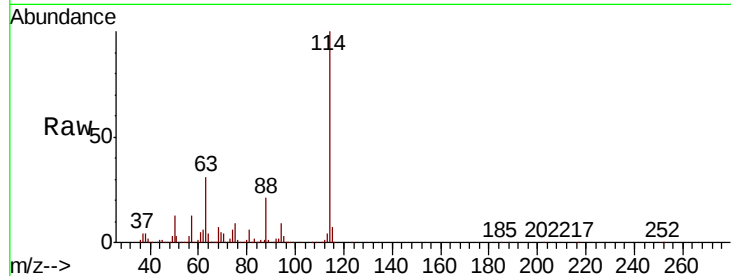




#39
 1,2-Dichloropropane
 Concen: 7.688 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.45 min
 Lab File: VL034502.D
 Acq: 17 Dec 2019 21:11

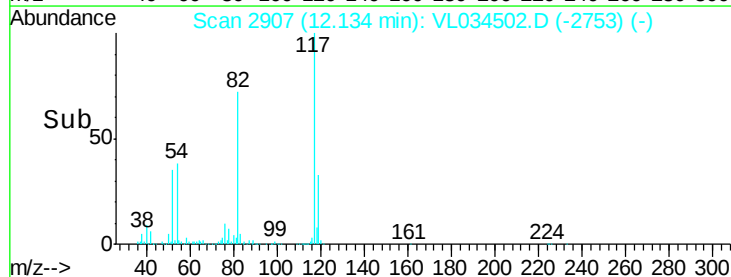
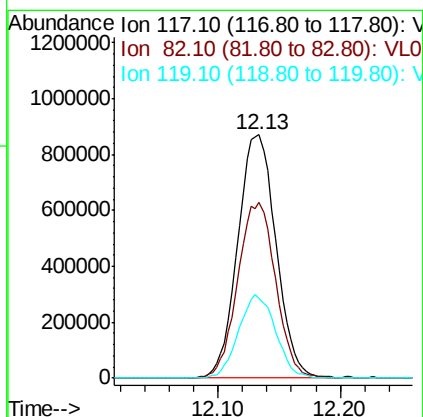
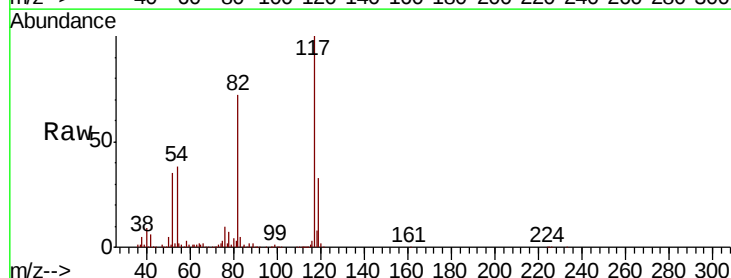
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA2DL

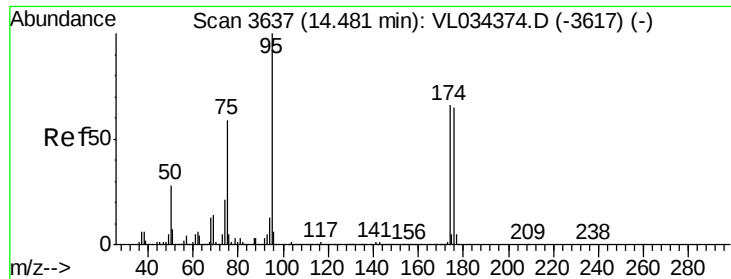
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.1	63.1	94.7#
62	19.7	52.3	78.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.13 min Scan# 2907
 Delta R.T. -0.01 min
 Lab File: VL034502.D
 Acq: 17 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.1	57.5	86.3
119	33.3	25.4	38.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.135 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.01 min

Lab File: VL034502.D

Acq: 17 Dec 2019 21:11

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA2DL

Tgt Ion: 95 Resp: 1607260

Ion Ratio Lower Upper

95 100

174 64.5 52.2 78.2

175 4.6 3.8 5.8

