

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032034.D
 Acq On : 1 Jun 2018 23:34
 Operator : SY/AP
 Sample : J3193-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-052518DL

Quant Time: Jun 02 03:12:04 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 02:31:35 2018
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1275418	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2599883	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2500988	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1969008	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

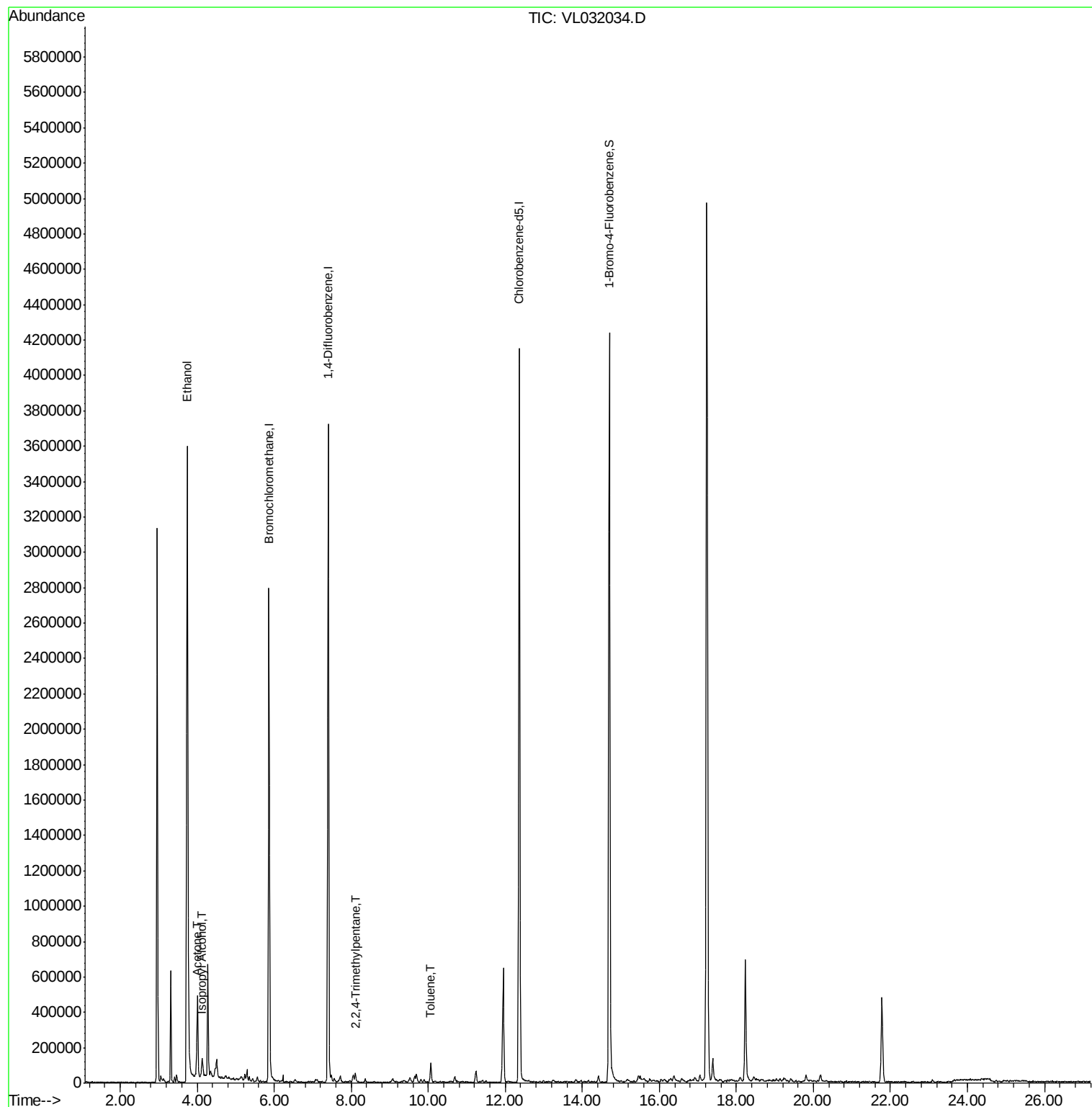
Target Compounds						Ovalue
13) Ethanol	3.74	45	4969491	324.52	ppbv	100
15) Acetone	3.99	43	315314	2.05	ppbv #	85
19) Isopropyl Alcohol	4.13	45	132963	1.31	ppbv #	98
44) 2,2,4-Trimethylpentane	8.11	57	32055	0.08	ppbv #	71
53) Toluene	10.07	91	73348	0.29	ppbv	99

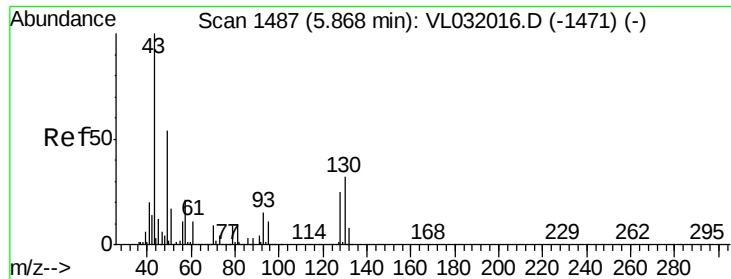
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL032034.D

Acq: 1 Jun 2018 23:34

Instrument :

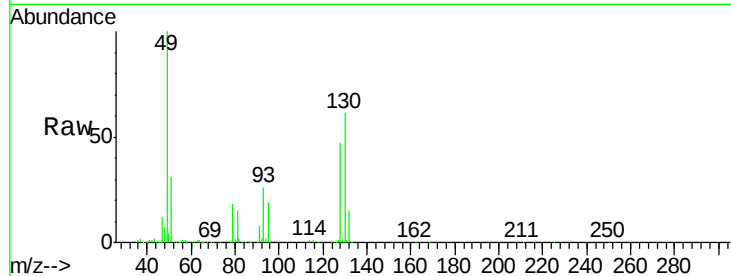
MSVOA_L

ClientSampleId :

LIHA-IA1-052518DL

Tot Ion: 49 Resp: 1275418

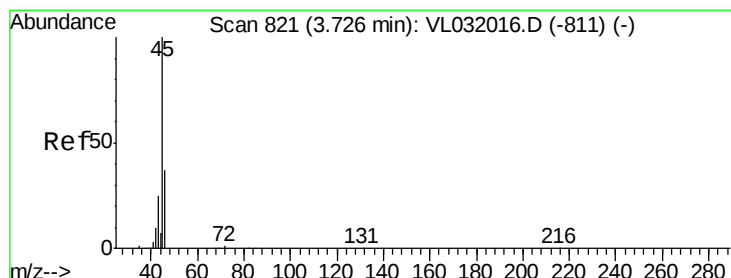
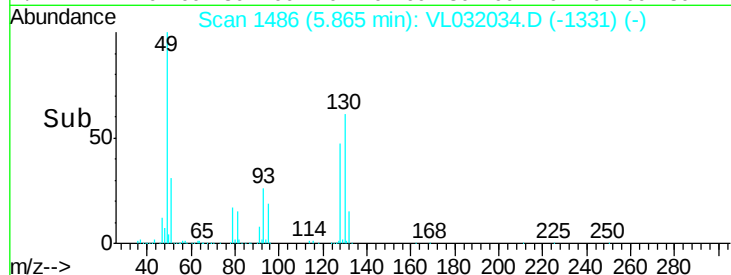
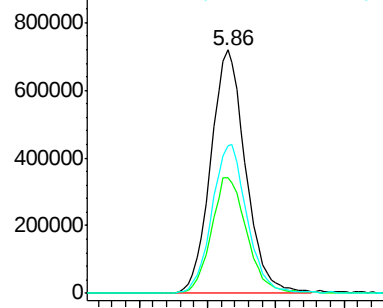
Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.1	72.3
130	62.2	30.9	92.8



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: 324.52 ppbv

RT: 3.74 min Scan# 826

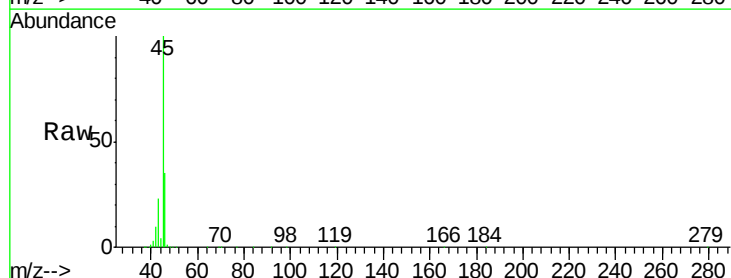
Delta R.T. 0.02 min

Lab File: VL032034.D

Acq: 1 Jun 2018 23:34

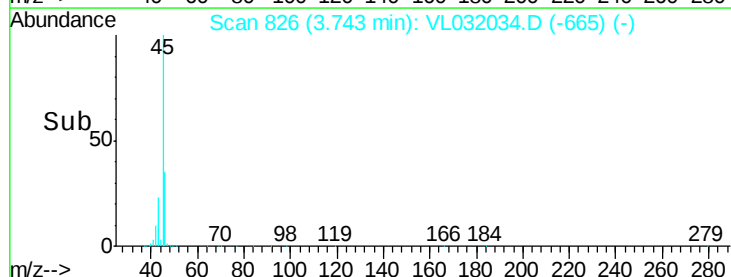
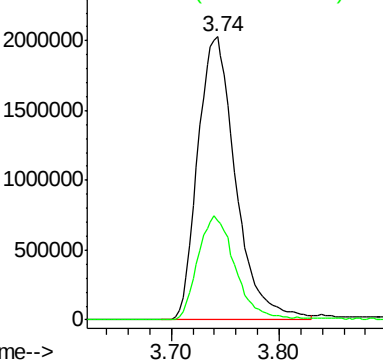
Tgt Ion: 45 Resp: 4969491

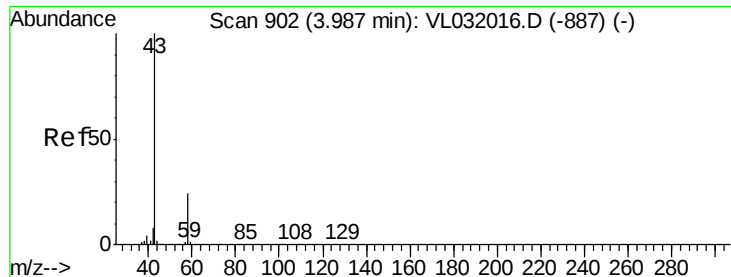
Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.9	59.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.05 ppbv

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL032034.D

Acq: 1 Jun 2018 23:34

Instrument :

MSVOA_L

ClientSampleId :

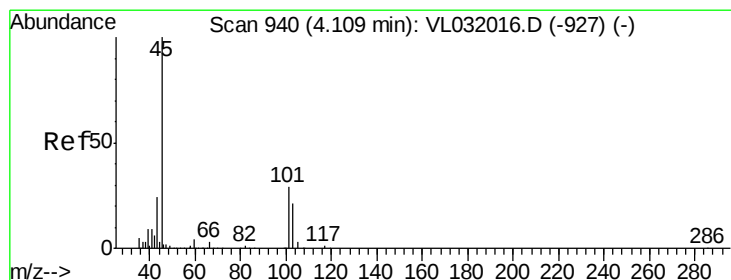
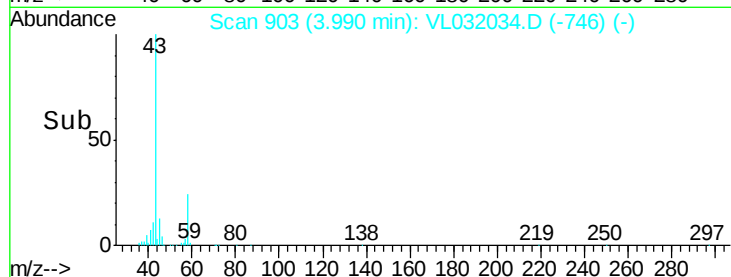
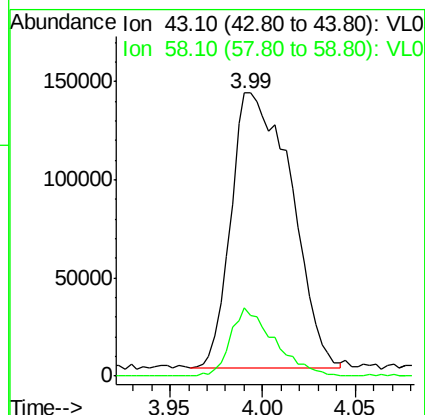
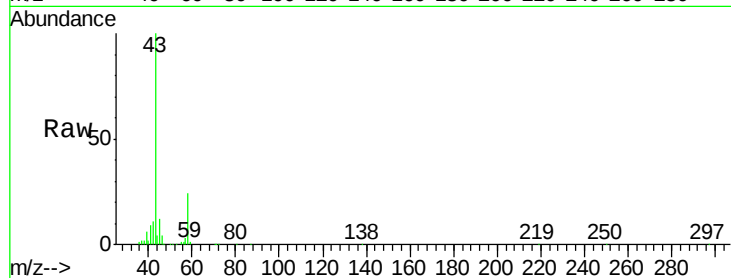
LIHA-IA1-052518DL

Tot Ion: 43 Resp: 315314

Ion Ratio Lower Upper

43 100

58 18.3 20.7 31.1#



#19

Isopropyl Alcohol

Concen: 1.31 ppbv

RT: 4.13 min Scan# 945

Delta R.T. 0.02 min

Lab File: VL032034.D

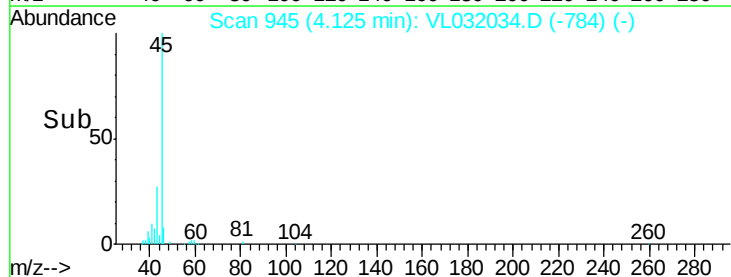
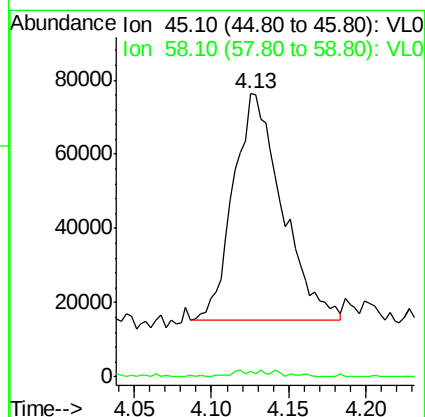
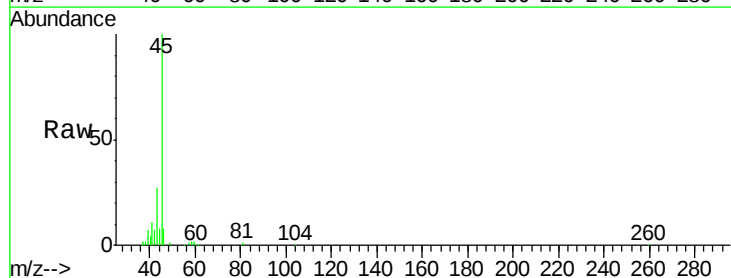
Acq: 1 Jun 2018 23:34

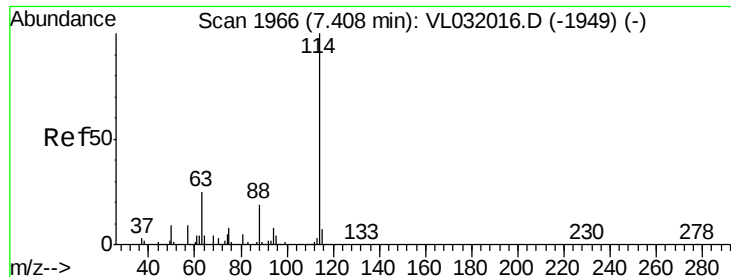
Tgt Ion: 45 Resp: 132963

Ion Ratio Lower Upper

45 100

58 2.8 1.5 2.3#

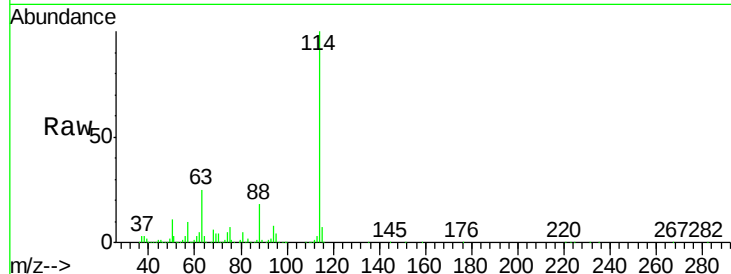




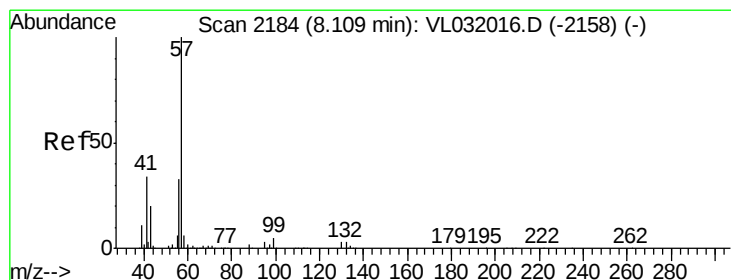
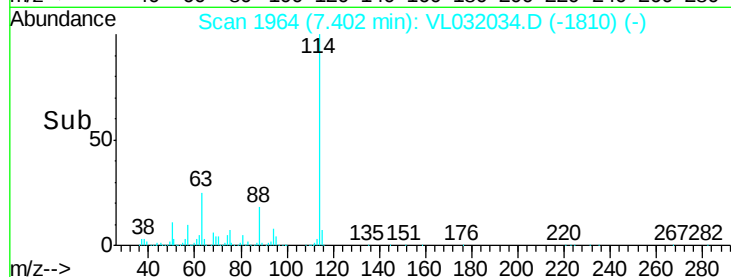
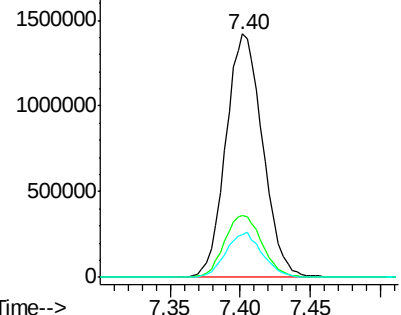
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.40 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: VL032034.D
 Acq: 1 Jun 2018 23:34

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-052518DL

Tot Ion:114 Resp: 2599883
 Ion Ratio Lower Upper
 114 100
 63 26.1 21.1 31.7
 88 18.3 14.8 22.2

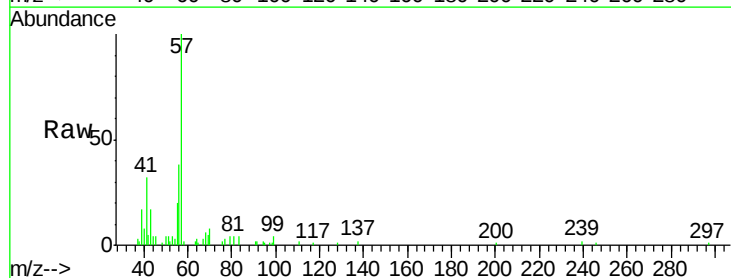


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

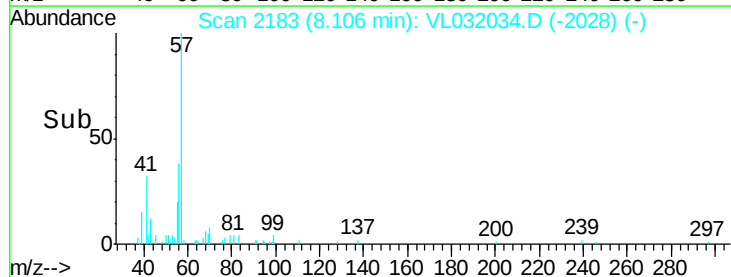
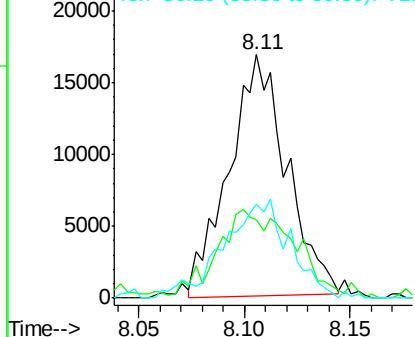


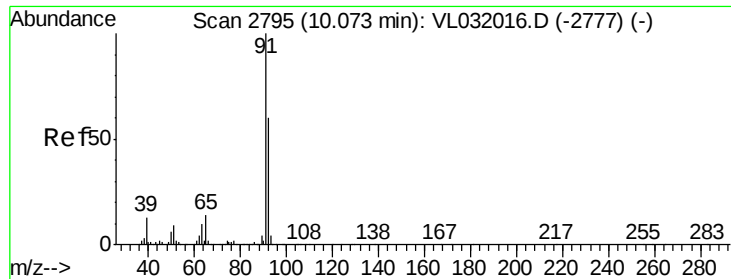
#44
 2,2,4-Trimethylpentane
 Concen: 0.08 ppbv
 RT: 8.11 min Scan# 2183
 Delta R.T. -0.00 min
 Lab File: VL032034.D
 Acq: 1 Jun 2018 23:34

Tgt Ion: 57 Resp: 32055
 Ion Ratio Lower Upper
 57 100
 41 49.2 26.6 40.0#
 56 47.7 24.9 37.3#



Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0





#53

Toluene

Concen: 0.29 ppbv

RT: 10.07 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VL032034.D

Acq: 1 Jun 2018 23:34

Instrument :

MSVOA_L

ClientSampleId :

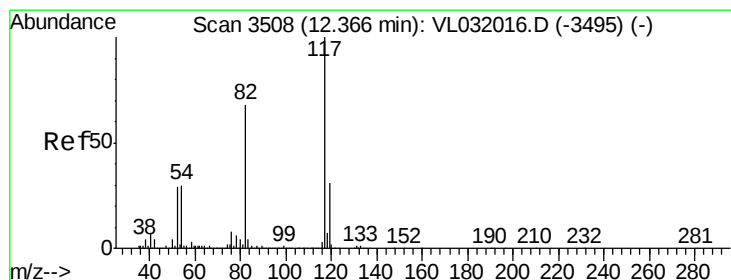
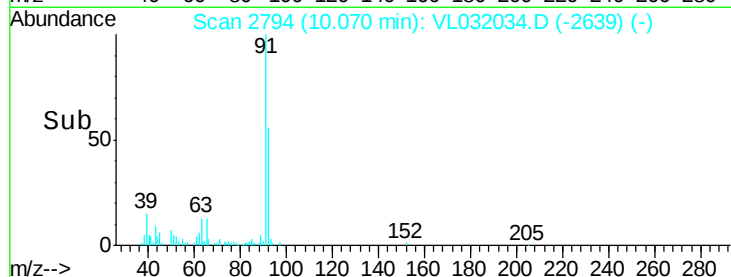
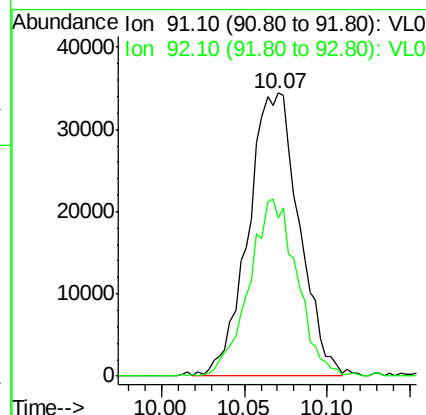
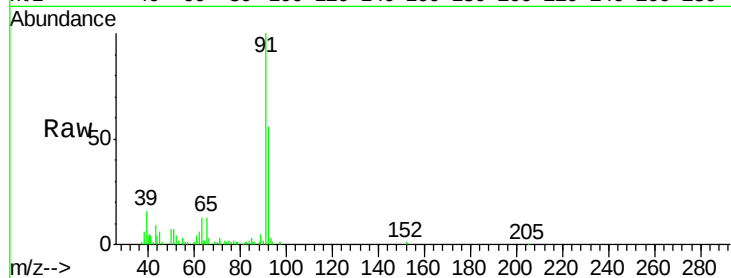
LIHA-IA1-052518DL

Tot Ion: 91 Resp: 73348

Ion Ratio Lower Upper

91 100

92 59.2 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.36 min Scan# 3507

Delta R.T. -0.00 min

Lab File: VL032034.D

Acq: 1 Jun 2018 23:34

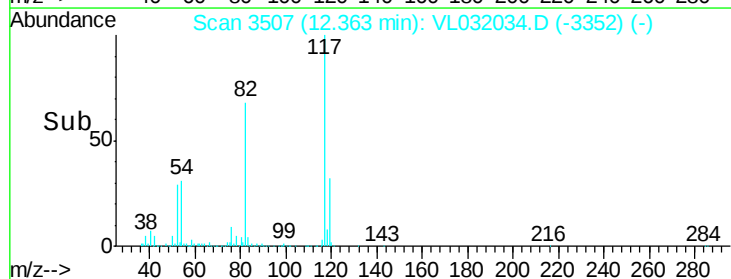
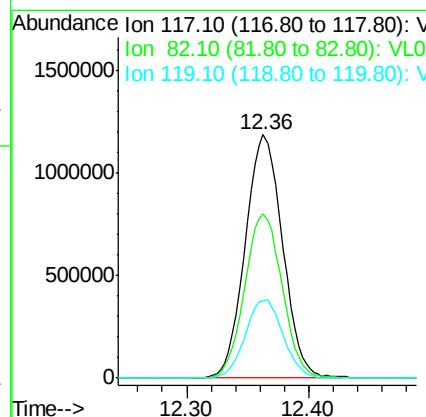
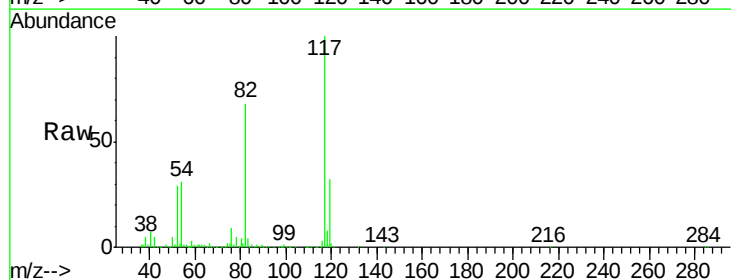
Tgt Ion: 117 Resp: 2500988

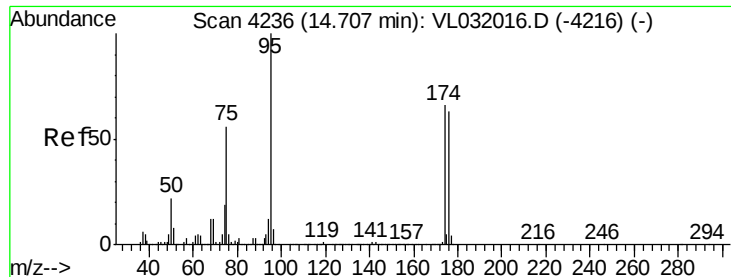
Ion Ratio Lower Upper

117 100

82 68.5 52.7 79.1

119 32.8 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.19 ppbv

RT: 14.70 min Scan# 4233

Delta R.T. -0.01 min

Lab File: VL032034.D

Acq: 1 Jun 2018 23:34

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-052518DL

Tot Ion: 95 Resp: 1969008

Ion Ratio Lower Upper

95 100

174 66.9 53.2 79.8

175 4.9 3.7 5.5

