

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL060118\
 Data File : VL032033.D
 Acq On : 1 Jun 2018 22:55
 Operator : SY/AP
 Sample : J3193-01DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-052518DUP

Quant Time: Jun 02 02:04:52 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	1283787	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2349717	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2231379	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1782147	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

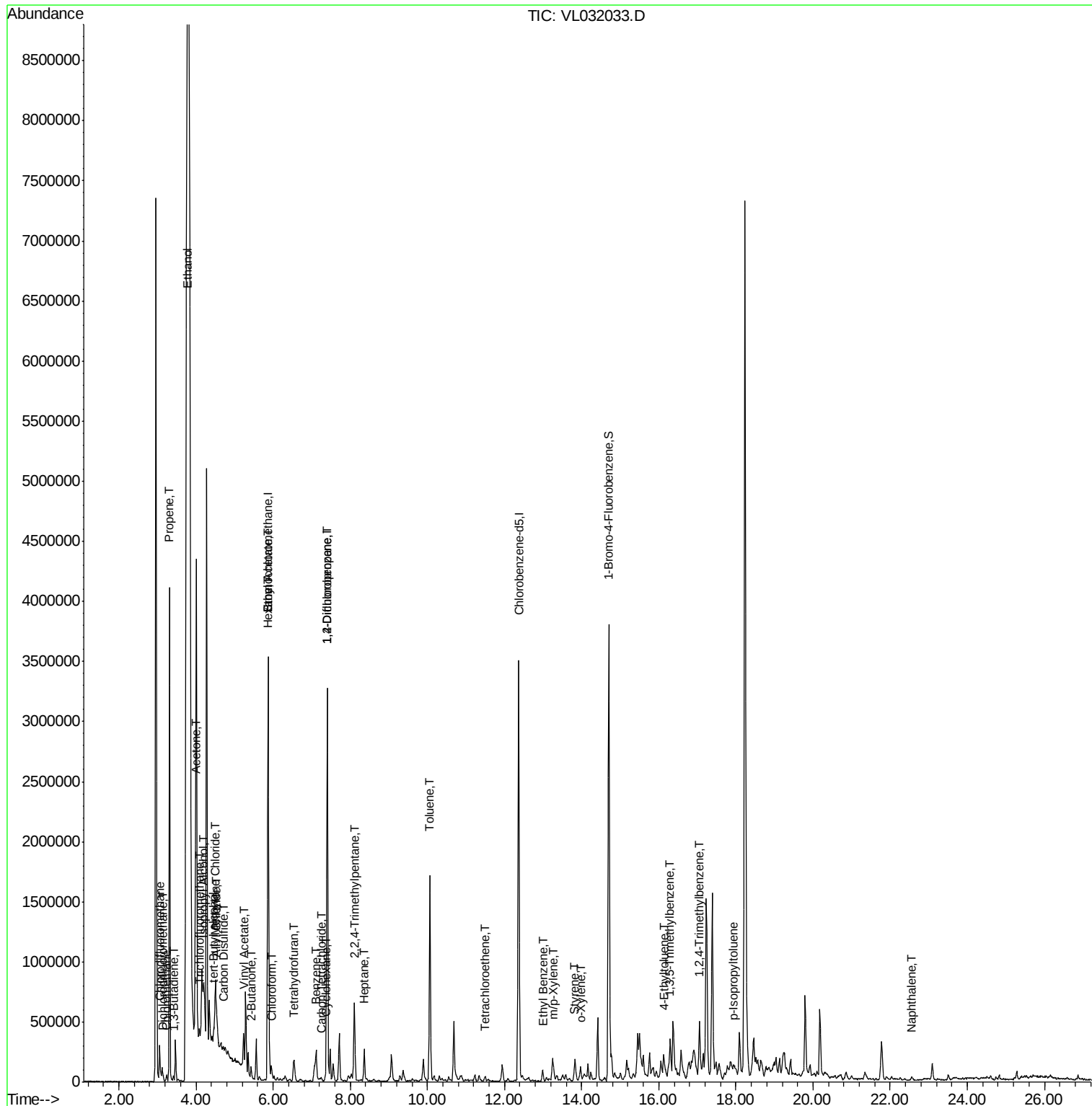
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.15	85	30266	0.20	ppbv	98
3) Chlorodifluoromethane	3.06	51	218555	1.81	ppbv #	67
4) Chloromethane	3.24	50	34542	0.56	ppbv #	87
9) Propene	3.31	41	1170574	29.67	ppbv	94
10) Heptane	8.36	43	93732	0.67	ppbv	99
11) Trichlorofluoromethane	4.09	101	43345	0.18	ppbv	89
13) Ethanol	3.77	45	11604631	752.86	ppbv #	38
15) Acetone	3.98	43	1458232	9.42	ppbv #	88
16) 1,3-Butadiene	3.41	39	11759	0.21	ppbv #	20
17) tert-Butyl alcohol	4.45	59	3815	0.05	ppbv #	72
19) Isopropyl Alcohol	4.21	45	466833	4.55	ppbv #	94
20) Methylene Chloride	4.50	84	139508	1.98	ppbv	97
21) Allyl Chloride	4.53	41	93032	0.85	ppbv #	86
23) Vinyl Acetate	5.24	43	210226	1.00	ppbv #	45
25) Ethyl Acetate	5.88	43	614150	2.00	ppbv #	97
26) Hexane	5.88	57	398513	2.80	ppbv #	77
27) Carbon Disulfide	4.72	76	27416	0.15	ppbv #	44
29) Chloroform	5.95	83	33240	0.14	ppbv	94
30) Cyclohexane	7.36	84	7276	0.09	ppbv #	1
34) 2-Butanone	5.43	43	105183	0.57	ppbv	97
35) Carbon Tetrachloride	7.25	117	10680	0.05	ppbv #	73
36) Benzene	7.12	78	154739	0.75	ppbv	98
39) 1,2-Dichloropropane	7.40	63	607118	7.98	ppbv #	21
41) Tetrahydrofuran	6.52	42	5091	0.06	ppbv #	41
44) 2,2,4-Trimethylpentane	8.11	57	540129	1.53	ppbv	90
52) Tetrachloroethene	11.50	164	4308	0.05	ppbv #	59
53) Toluene	10.07	91	1186115	5.14	ppbv	99
58) Ethyl Benzene	12.99	91	38739	0.12	ppbv	99
59) m/p-Xylene	13.27	91	47142	0.17	ppbv #	31
60) o-Xylene	13.97	91	76976	0.28	ppbv	97
61) Styrene	13.82	104	26391	0.50	ppbv #	56
69) p-Isopropyltoluene	17.94	119	14767	0.04	ppbv #	47
72) 4-Ethyltoluene	16.12	105	36025	0.13	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.28	105	44995	0.18	ppbv	99
74) 1,2,4-Trimethylbenzene	17.05	105	131429	0.46	ppbv #	71
79) Naphthalene	22.57	128	7156	0.04	ppbv #	90

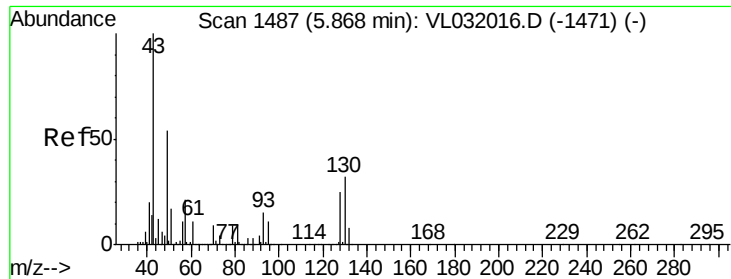
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J3193-01DUP
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Quant Time: Jun 02 02:04:52 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 01 02:31:35 2018
QLast Update : Fri Jun 01 02:31:35 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-052518DUP

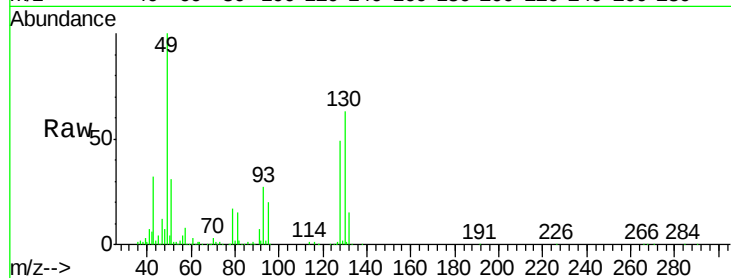
Tgt Ion: 49 Resp: 1283787

Ion Ratio Lower Upper

49 100

128 48.8 24.1 72.3

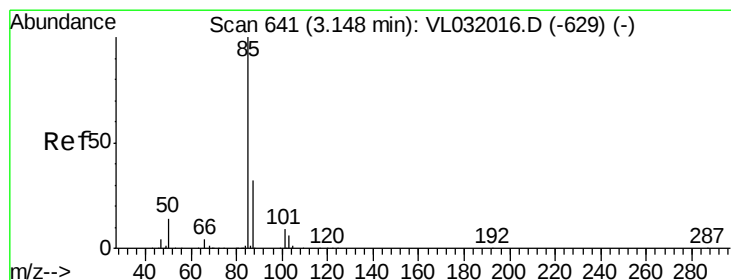
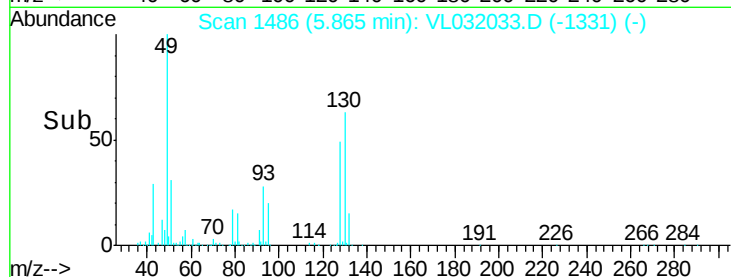
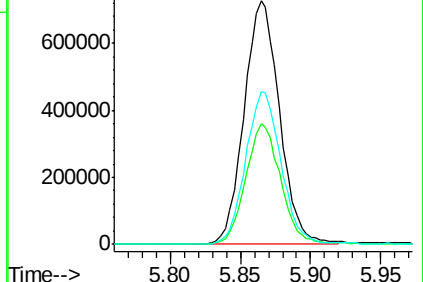
130 63.0 30.9 92.8



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: 0.20 ppbv

RT: 3.15 min Scan# 642

Delta R.T. 0.00 min

Lab File: VL032033.D

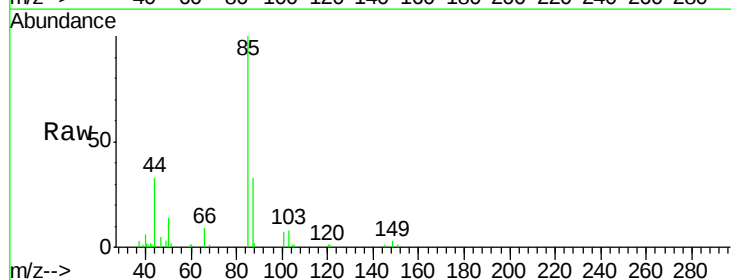
Acq: 1 Jun 2018 22:55

Tgt Ion: 85 Resp: 30266

Ion Ratio Lower Upper

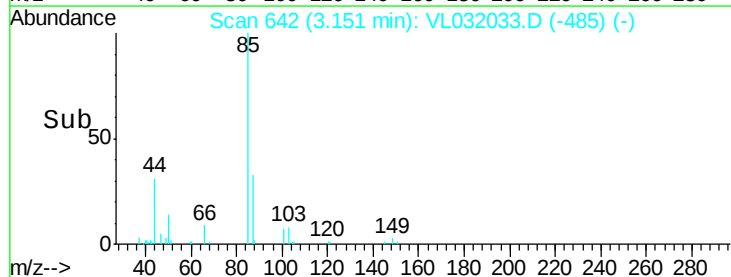
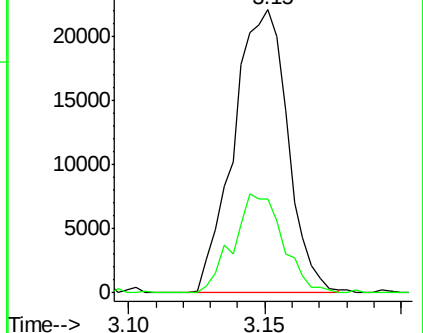
85 100

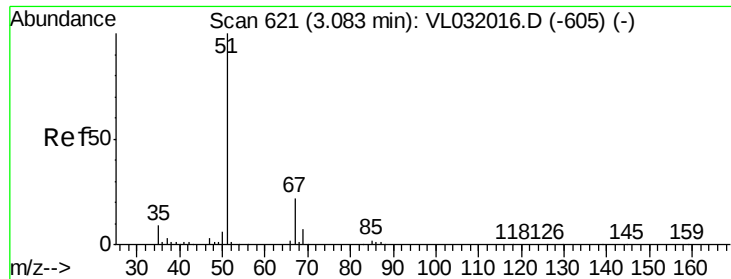
87 33.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.81 ppbv

RT: 3.06 min Scan# 613

Delta R.T. -0.03 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

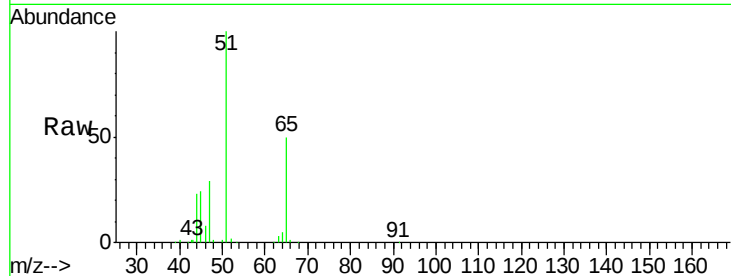
LIHA-IA1-052518DUP

Tgt Ion: 51 Resp: 218555

Ion Ratio Lower Upper

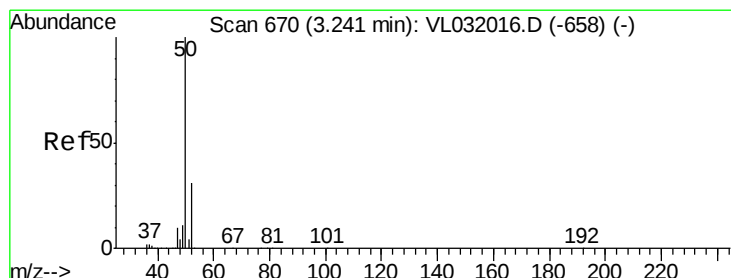
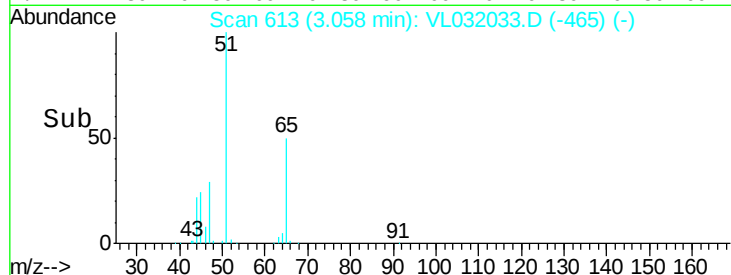
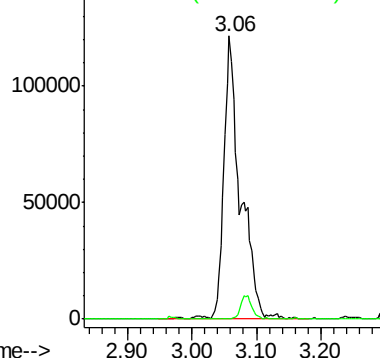
51 100

67 6.0 17.2 25.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.56 ppbv

RT: 3.24 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL032033.D

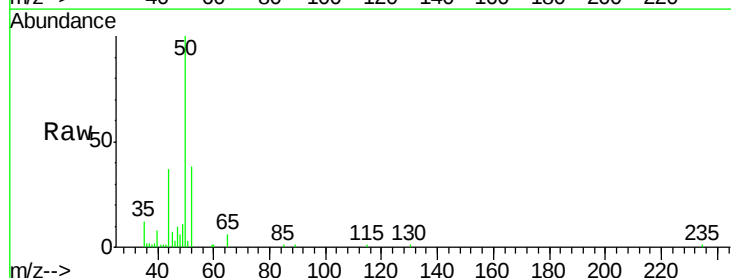
Acq: 1 Jun 2018 22:55

Tgt Ion: 50 Resp: 34542

Ion Ratio Lower Upper

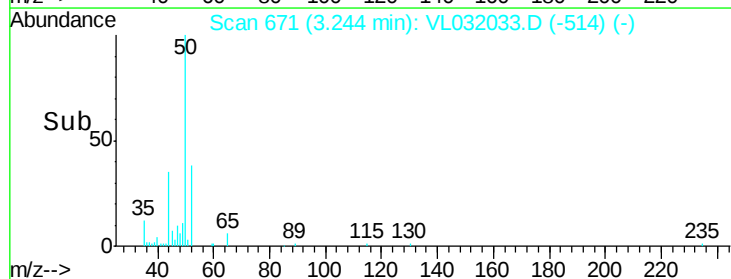
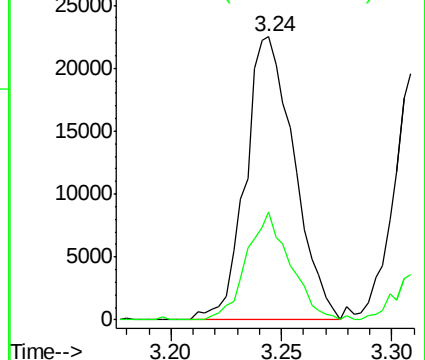
50 100

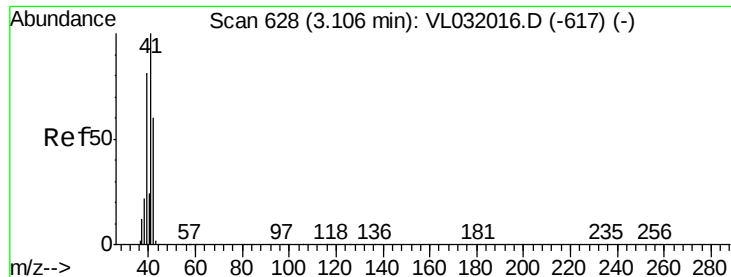
52 38.2 25.0 37.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 29.67 ppbv

RT: 3.31 min Scan# 692

Delta R.T. 0.21 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

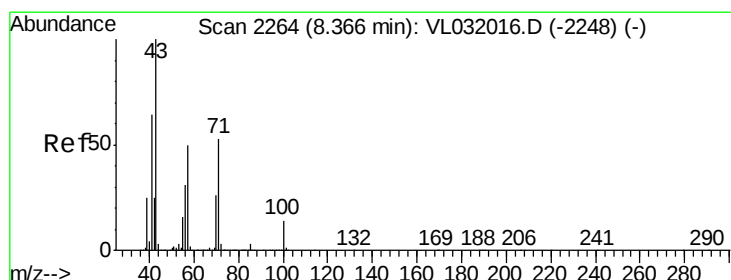
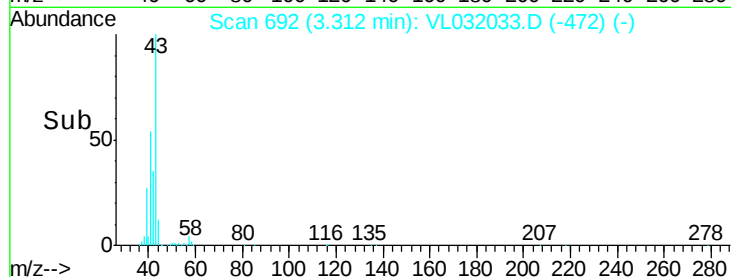
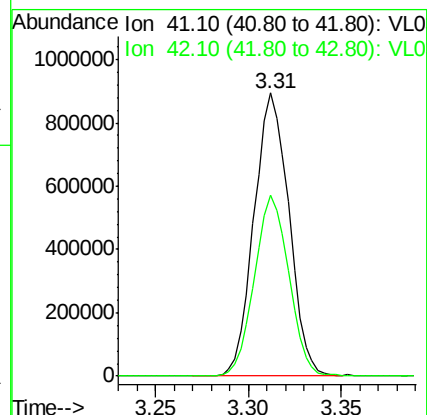
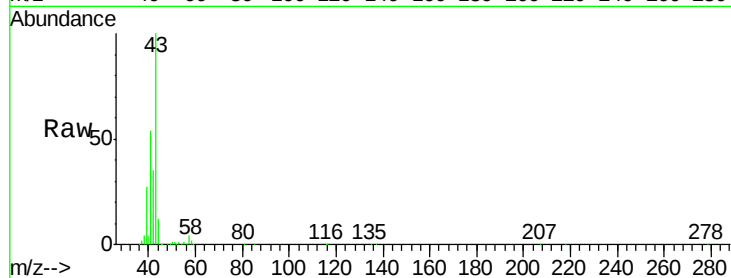
LIHA-IA1-052518DUP

Tgt Ion: 41 Resp: 1170574

Ion Ratio Lower Upper

41 100

42 63.5 54.4 81.6



#10

Heptane

Concen: 0.67 ppbv

RT: 8.36 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VL032033.D

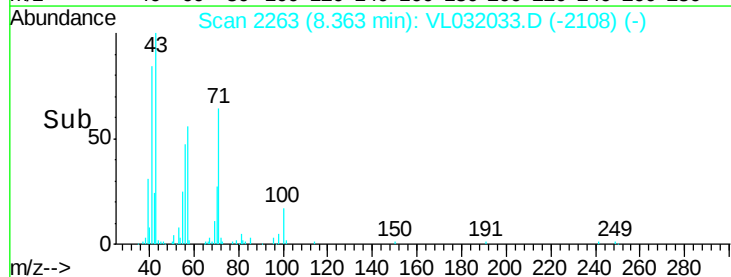
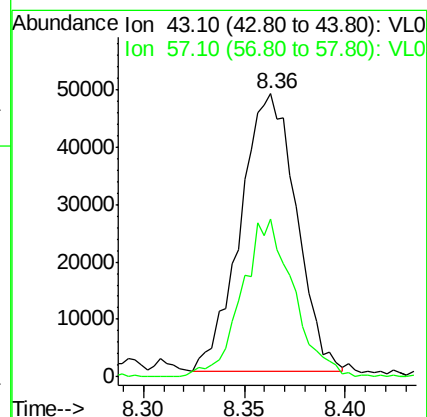
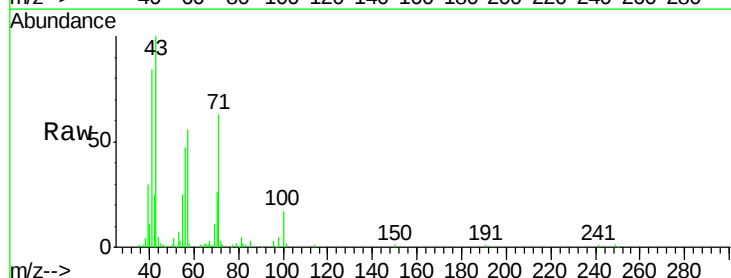
Acq: 1 Jun 2018 22:55

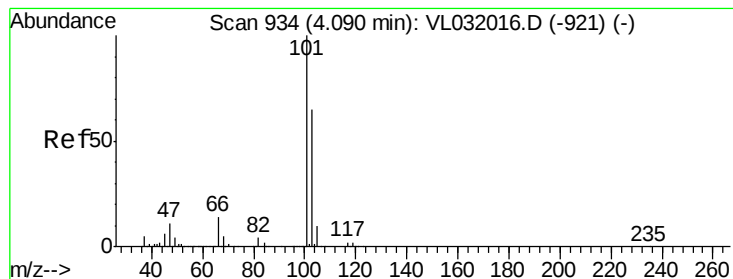
Tgt Ion: 43 Resp: 93732

Ion Ratio Lower Upper

43 100

57 52.5 41.7 62.5





#11

Trichlorofluoromethane

Concen: 0.18 ppbv

RT: 4.09 min Scan# 934

Delta R.T. 0.00 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

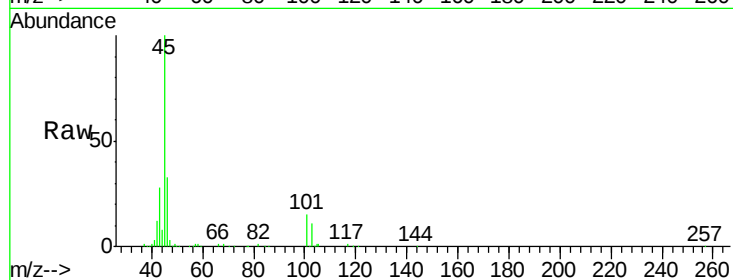
LIHA-IA1-052518DUP

Tgt Ion:101 Resp: 43345

Ion Ratio Lower Upper

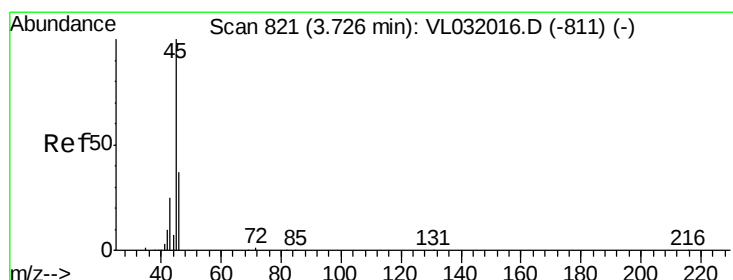
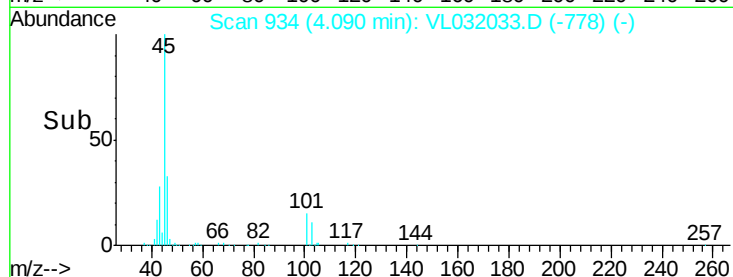
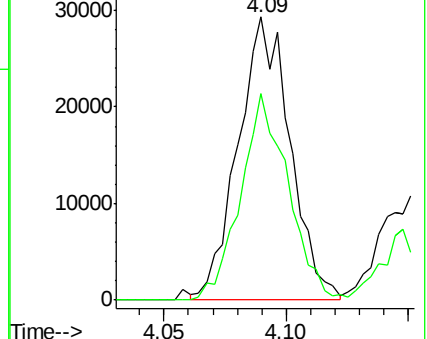
101 100

103 74.0 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 752.86 ppbv

RT: 3.77 min Scan# 835

Delta R.T. 0.05 min

Lab File: VL032033.D

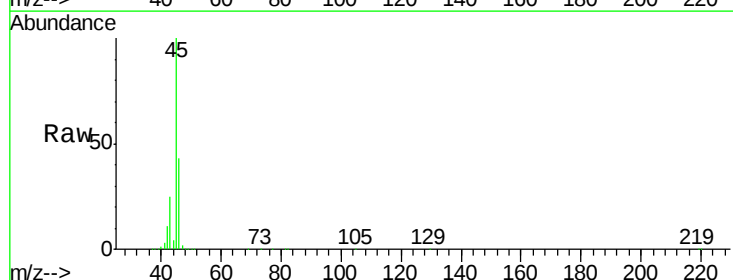
Acq: 1 Jun 2018 22:55

Tgt Ion: 45 Resp:11604631

Ion Ratio Lower Upper

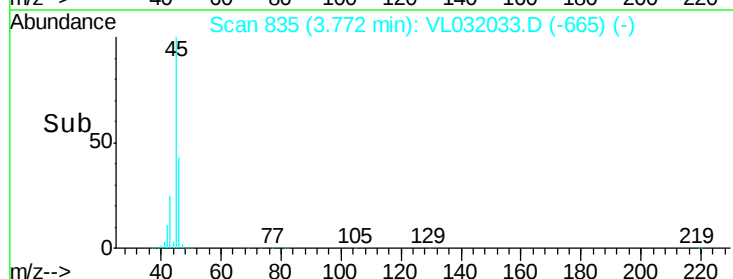
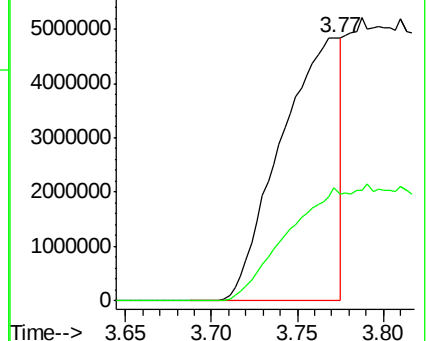
45 100

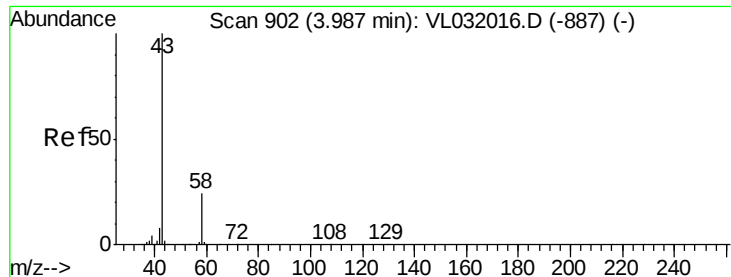
46 0.0 14.9 59.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 9.42 ppbv

RT: 3.98 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

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ClientSampleId :

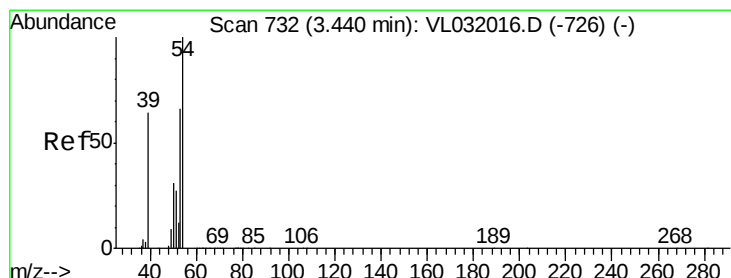
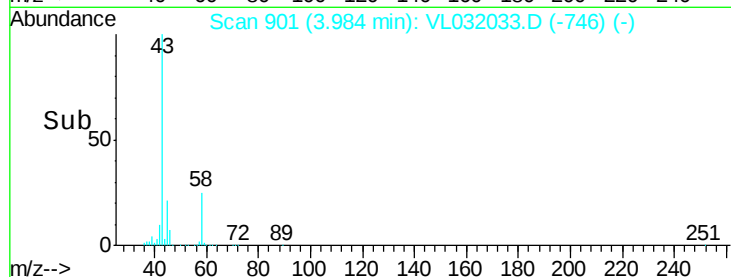
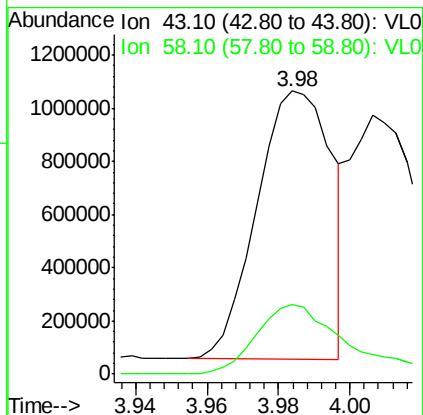
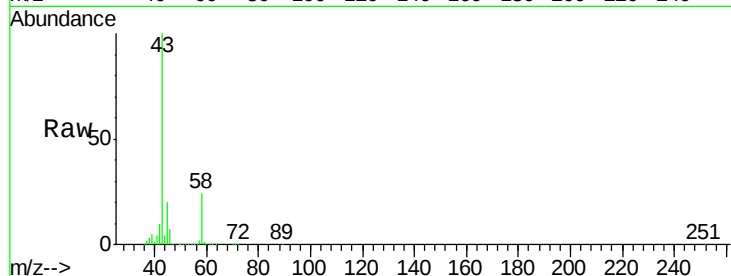
LIHA-IA1-052518DUP

Tgt Ion: 43 Resp: 1458232

Ion Ratio Lower Upper

43 100

58 31.8 20.7 31.1#



#16

1,3-Butadiene

Concen: 0.21 ppbv

RT: 3.41 min Scan# 724

Delta R.T. -0.03 min

Lab File: VL032033.D

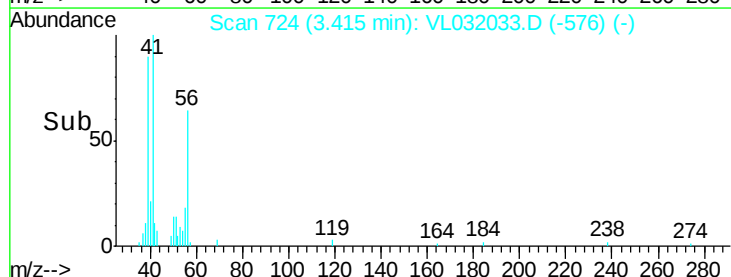
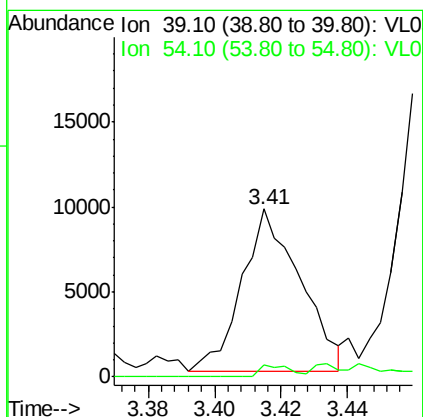
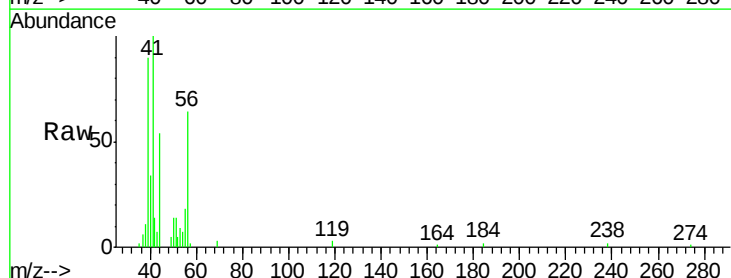
Acq: 1 Jun 2018 22:55

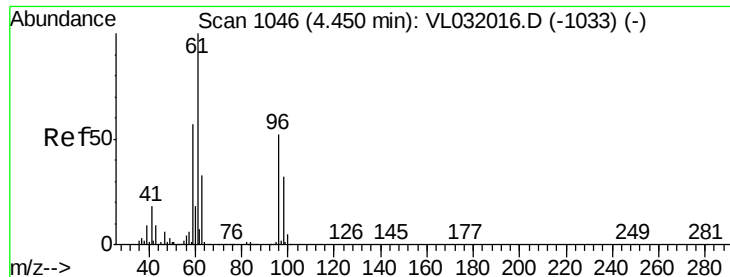
Tgt Ion: 39 Resp: 11759

Ion Ratio Lower Upper

39 100

54 10.6 65.7 98.5#

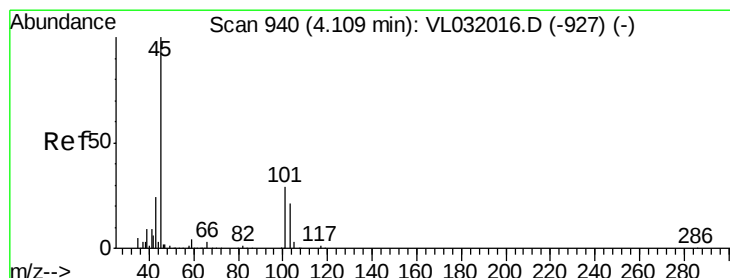
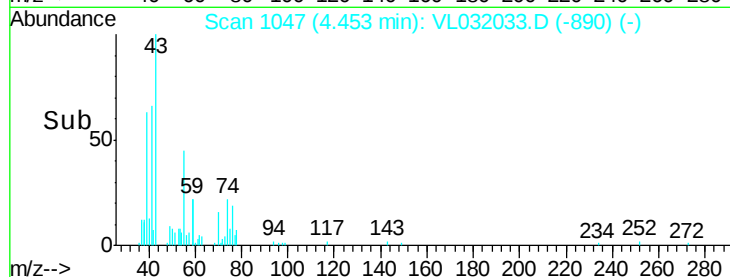
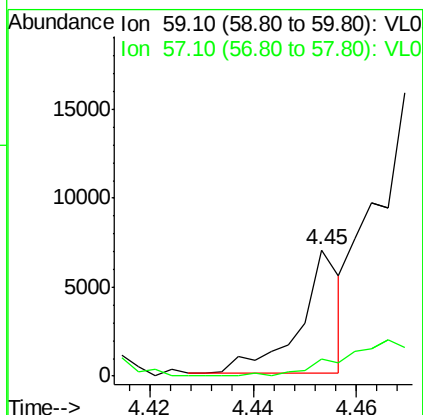
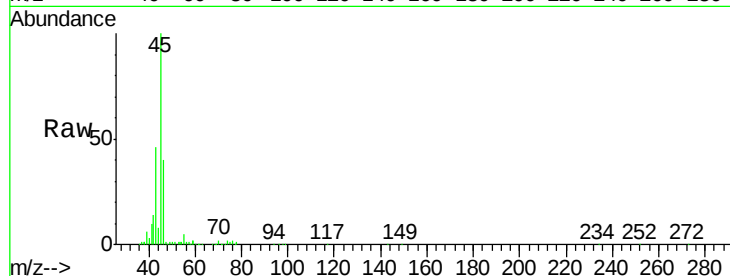




#17
tert-Butyl alcohol
Concen: 0.05 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

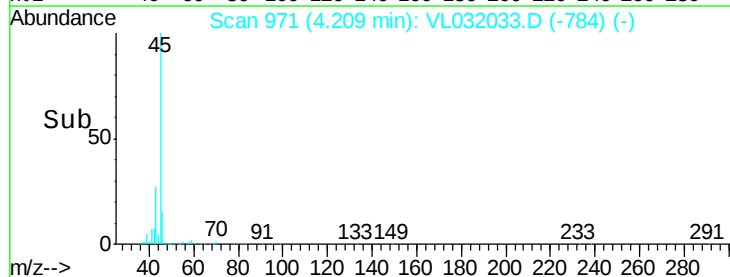
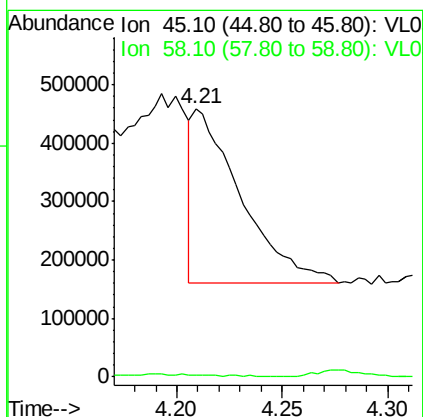
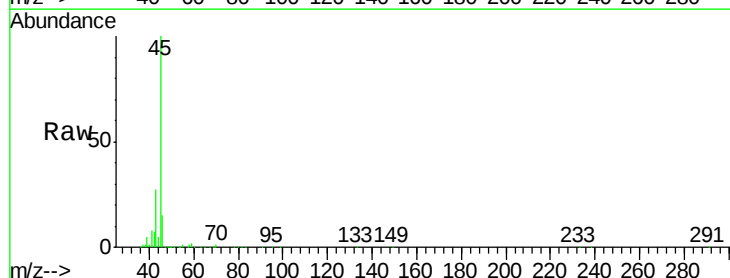
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-052518DUP

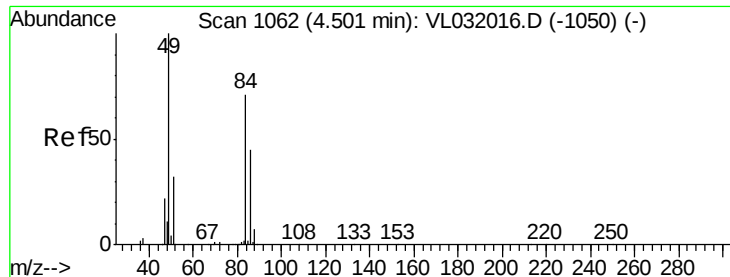
Tgt Ion: 59 Resp: 3815
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#19
Isopropyl Alcohol
Concen: 4.55 ppbv
RT: 4.21 min Scan# 971
Delta R.T. 0.10 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

Tgt Ion: 45 Resp: 466833
Ion Ratio Lower Upper
45 100
58 4.1 1.5 2.3#

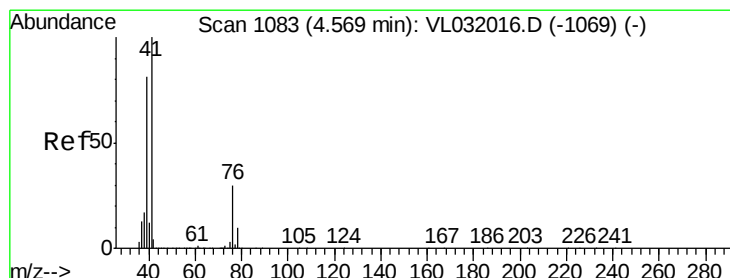
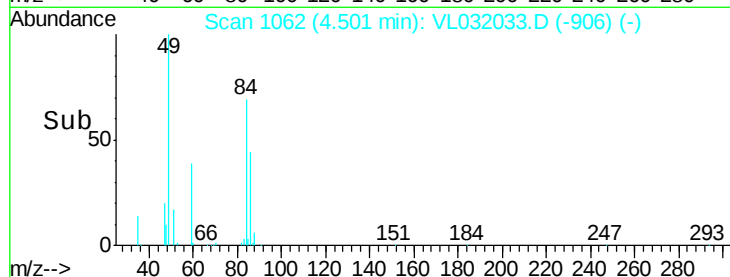
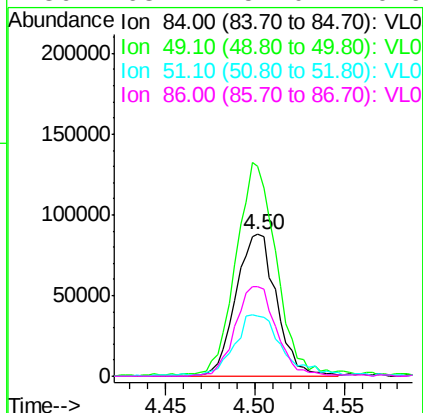
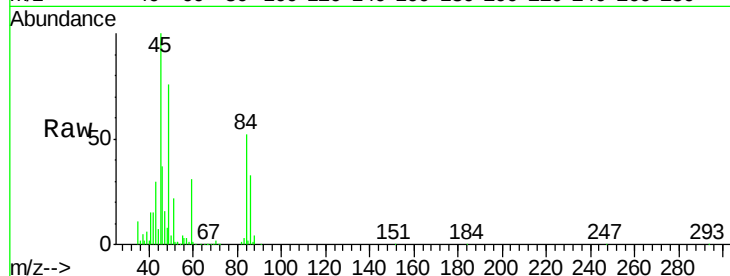




#20
Methylene Chloride
Concen: 1.98 ppbv
RT: 4.50 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

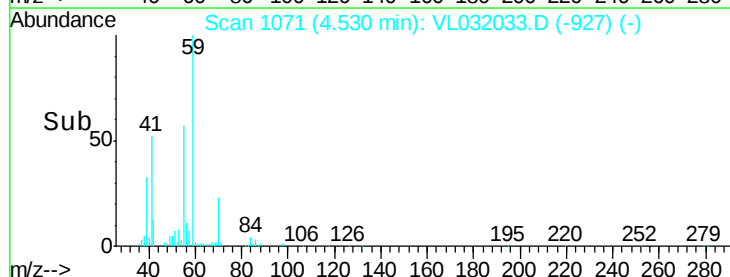
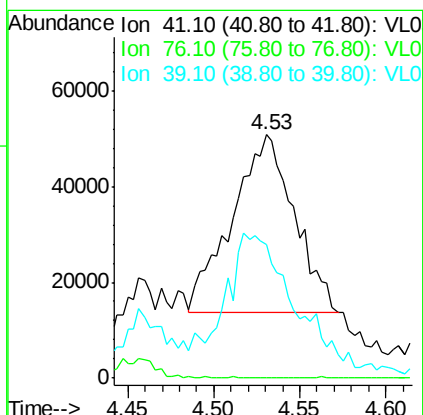
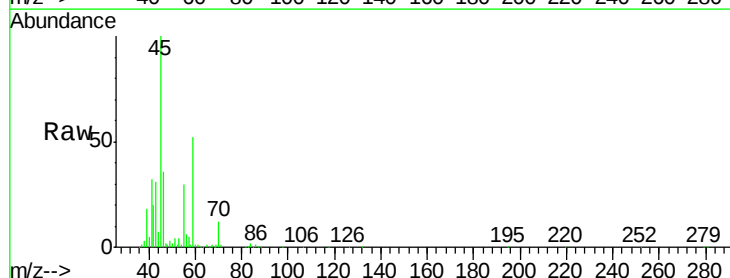
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-052518DUP

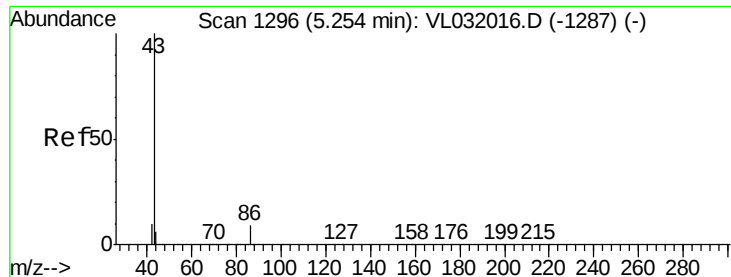
Tgt Ion: 84 Resp: 139508
Ion Ratio Lower Upper
84 100
49 145.6 113.0 169.4
51 42.0 36.4 54.6
86 63.4 51.0 76.6



#21
Allyl Chloride
Concen: 0.85 ppbv
RT: 4.53 min Scan# 1071
Delta R.T. -0.04 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

Tgt Ion: 41 Resp: 93032
Ion Ratio Lower Upper
41 100
76 30.2 23.9 35.9
39 99.2 65.9 98.9#

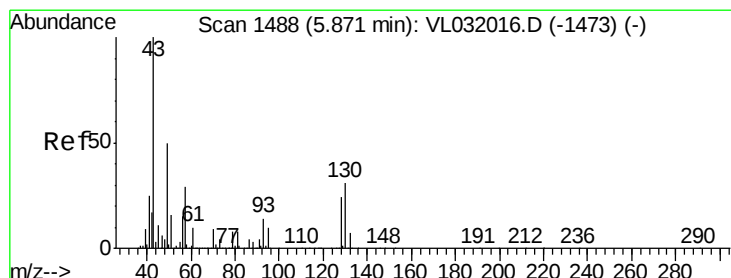
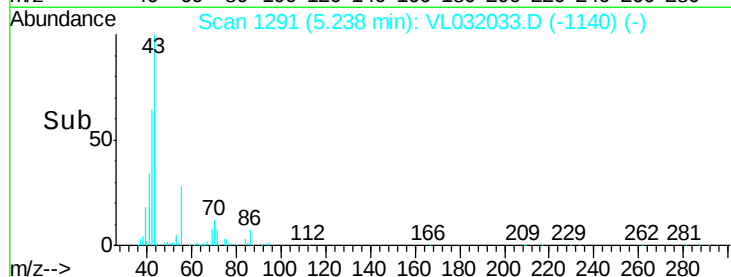
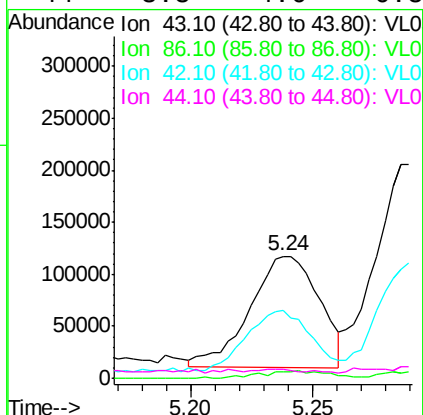
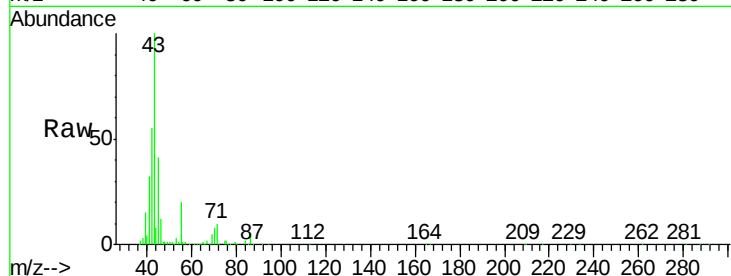




#23
 Vinyl Acetate
 Concen: 1.00 ppbv
 RT: 5.24 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: VL032033.D
 Acq: 1 Jun 2018 22:55

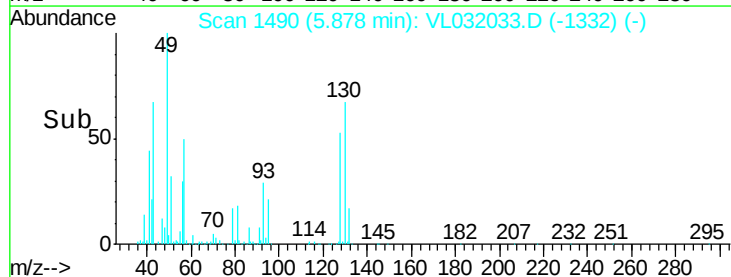
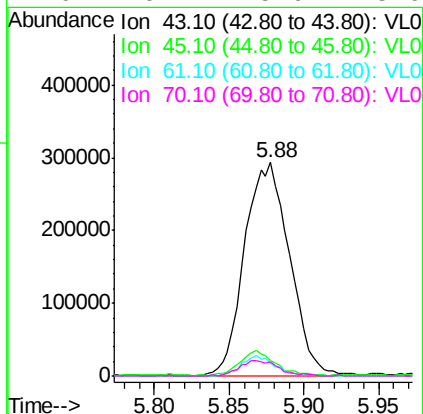
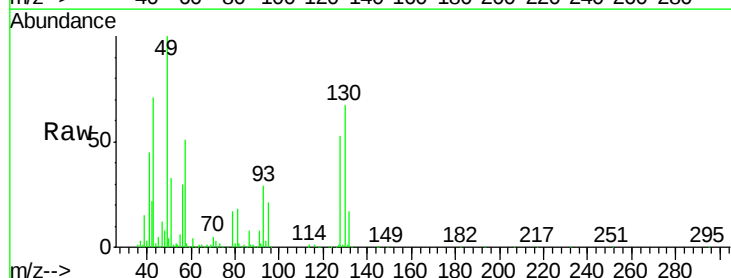
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-052518DUP

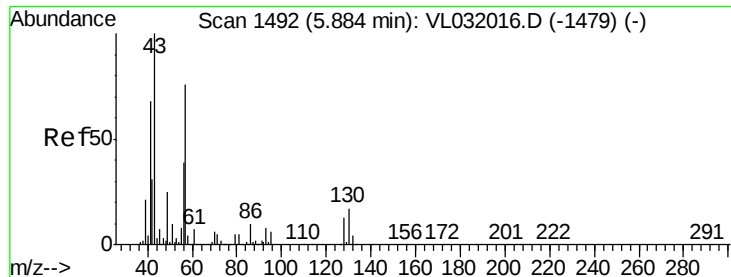
Tgt Ion:	43	Resp:	210226
Ion	Ratio	Lower	Upper
43	100		
86	5.6	6.2	9.4#
42	55.0	8.7	13.1#
44	3.8	4.6	6.8#



#25
 Ethyl Acetate
 Concen: 2.00 ppbv
 RT: 5.88 min Scan# 1490
 Delta R.T. 0.01 min
 Lab File: VL032033.D
 Acq: 1 Jun 2018 22:55

Tgt Ion:	43	Resp:	614150
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	7.3	7.4	11.2#
70	6.4	5.9	8.9

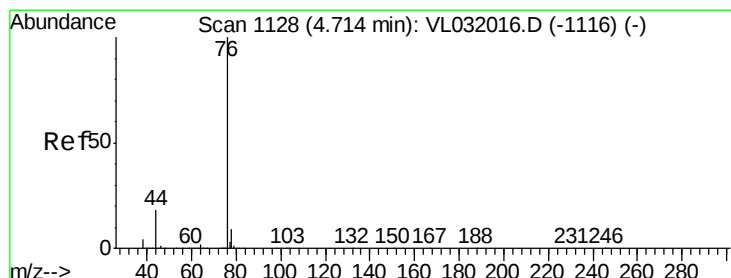
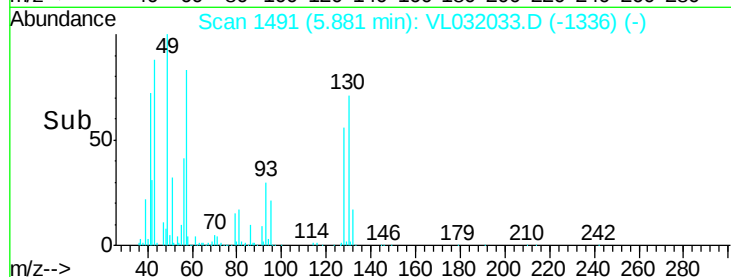
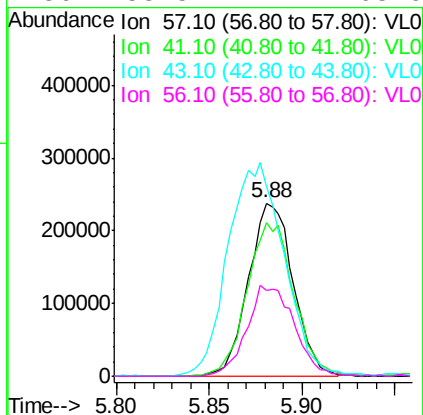
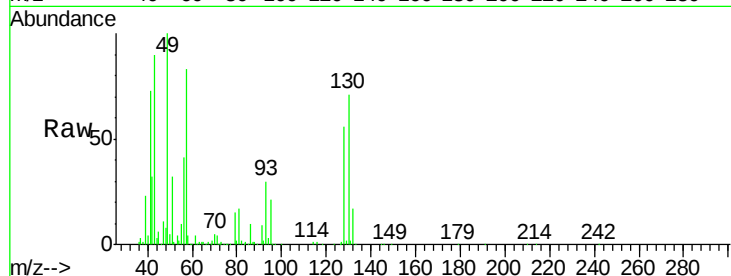




#26
Hexane
Concen: 2.80 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

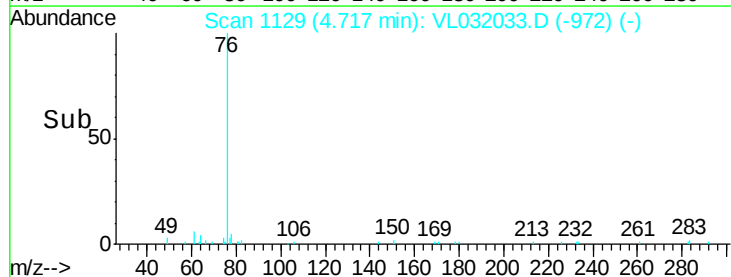
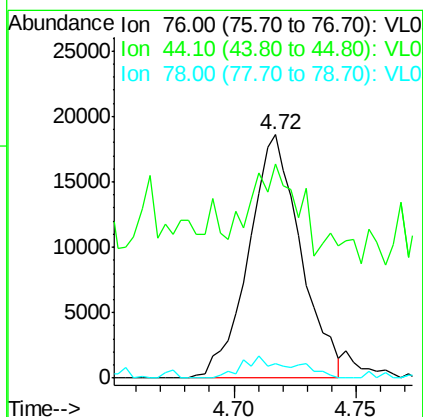
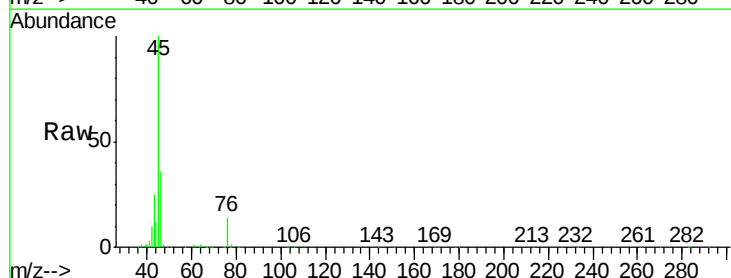
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-052518DUP

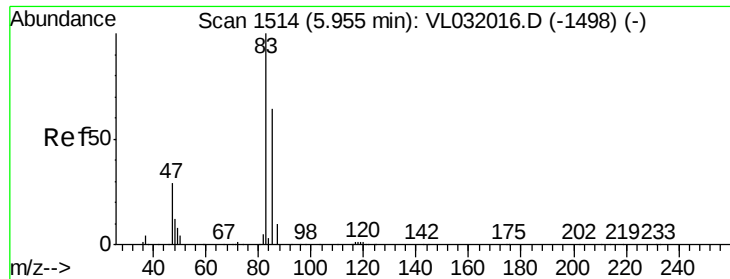
Tgt Ion: 57 Resp: 398513
Ion Ratio Lower Upper
57 100
41 94.3 71.4 107.2
43 154.4 168.6 252.8#
56 55.5 42.4 63.6



#27
Carbon Disulfide
Concen: 0.15 ppbv
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

Tgt Ion: 76 Resp: 27416
Ion Ratio Lower Upper
76 100
44 56.1 14.9 22.3#
78 8.6 7.6 11.4

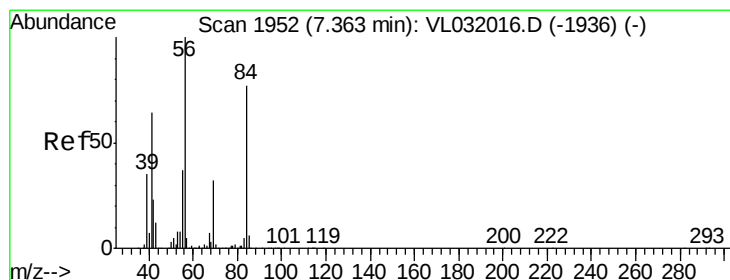
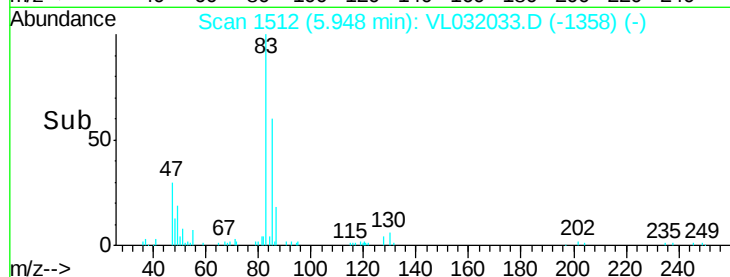
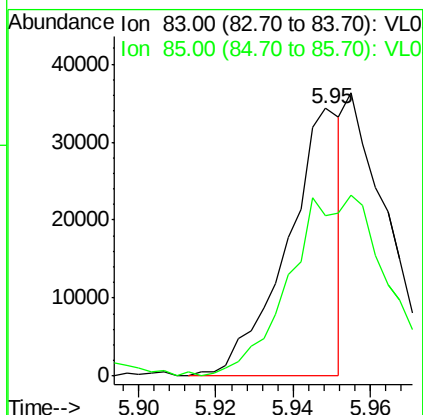
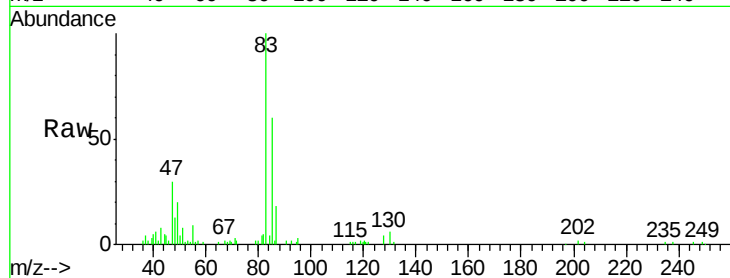




#29
Chloroform
Concen: 0.14 ppbv
RT: 5.95 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

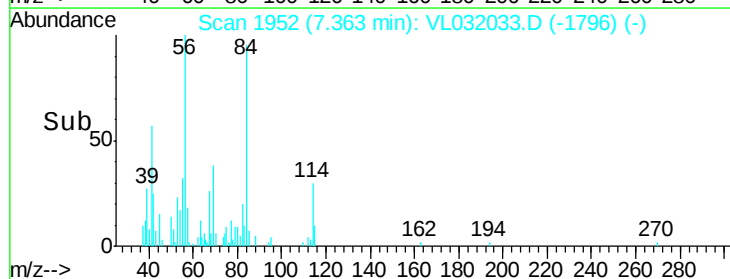
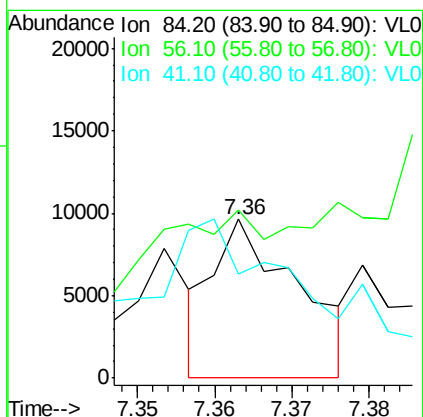
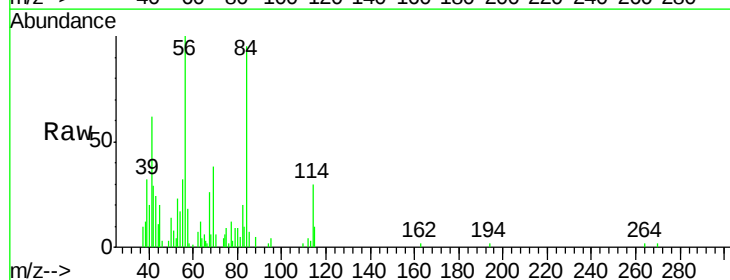
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-052518DUP

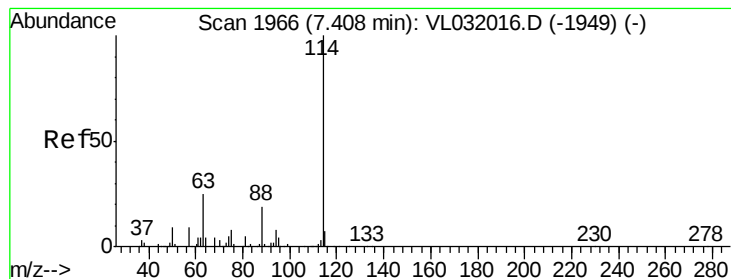
Tgt Ion: 83 Resp: 33240
Ion Ratio Lower Upper
83 100
85 58.6 50.9 76.3



#30
Cyclohexane
Concen: 0.09 ppbv
RT: 7.36 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

Tgt Ion: 84 Resp: 7276
Ion Ratio Lower Upper
84 100
56 0.0 108.6 162.8#
41 240.4 66.8 100.2#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.40 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-052518DUP

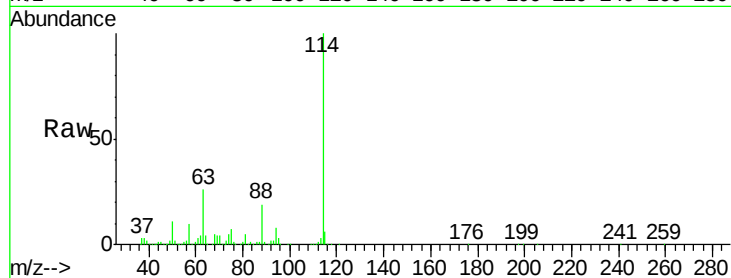
Tgt Ion:114 Resp: 2349717

Ion Ratio Lower Upper

114 100

63 26.3 21.1 31.7

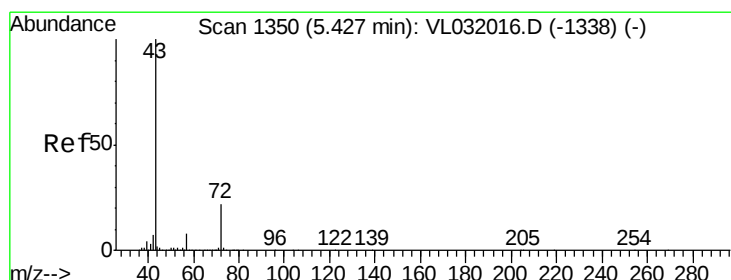
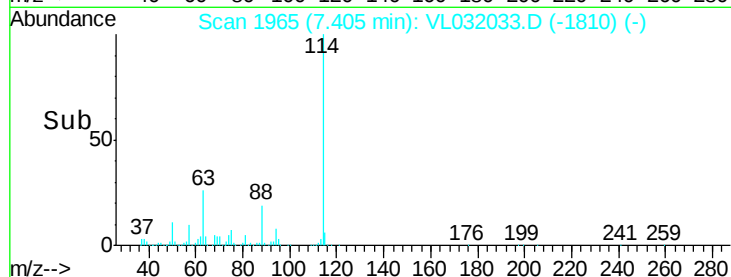
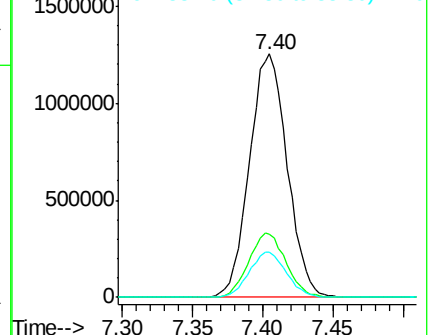
88 18.5 14.8 22.2



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



#34

2-Butanone

Concen: 0.57 ppbv

RT: 5.43 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL032033.D

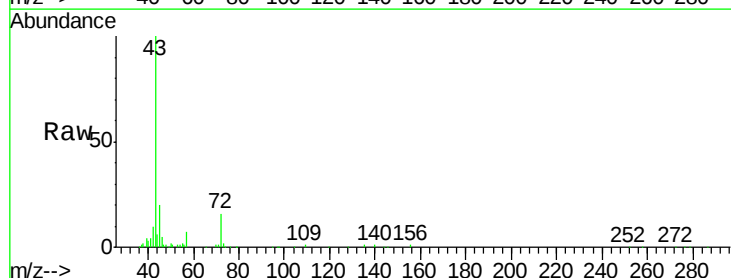
Acq: 1 Jun 2018 22:55

Tgt Ion: 43 Resp: 105183

Ion Ratio Lower Upper

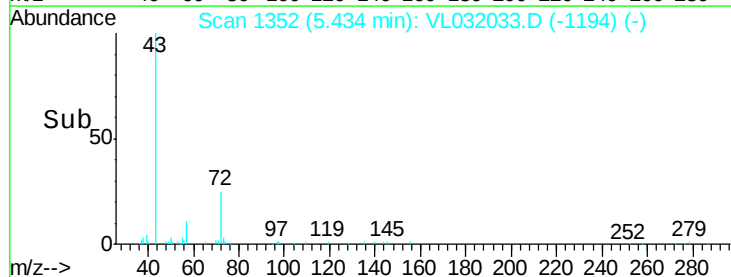
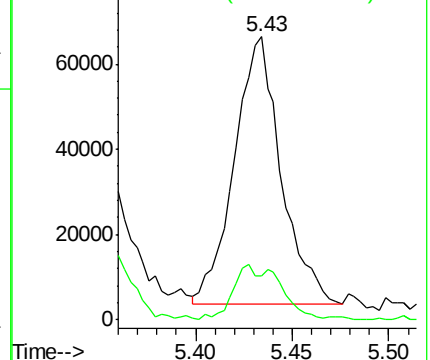
43 100

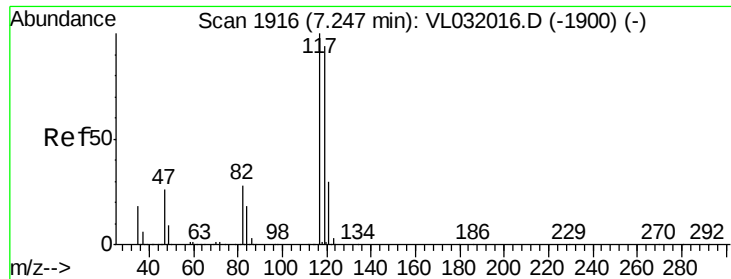
72 21.8 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

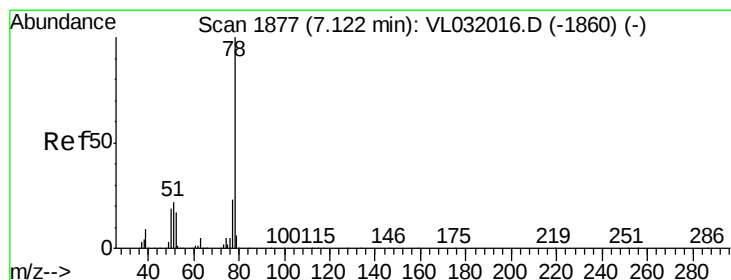
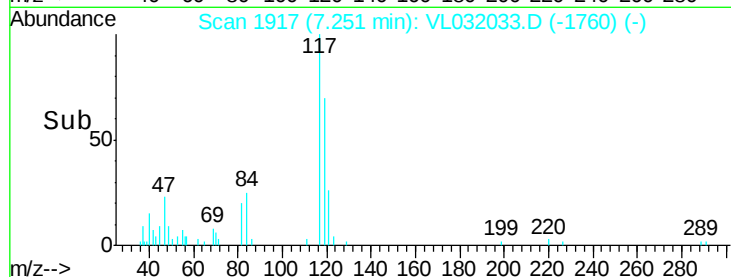
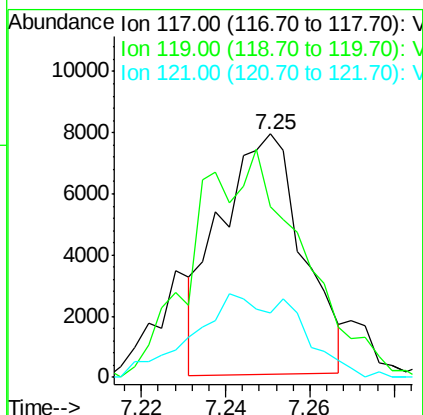
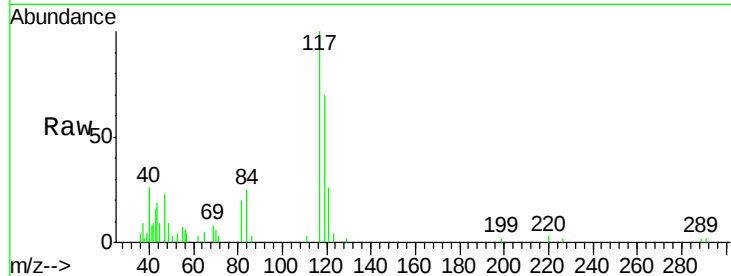




#35
Carbon Tetrachloride
Concen: 0.05 ppbv
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

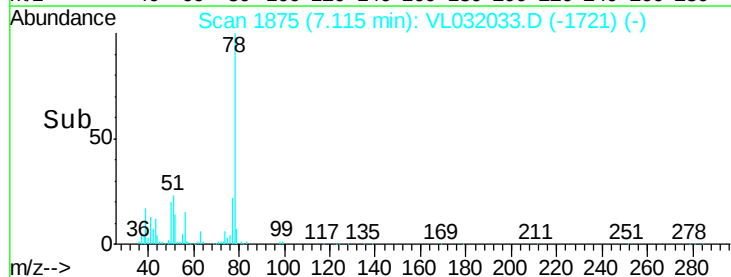
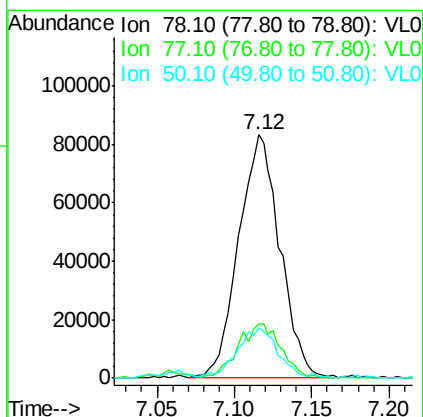
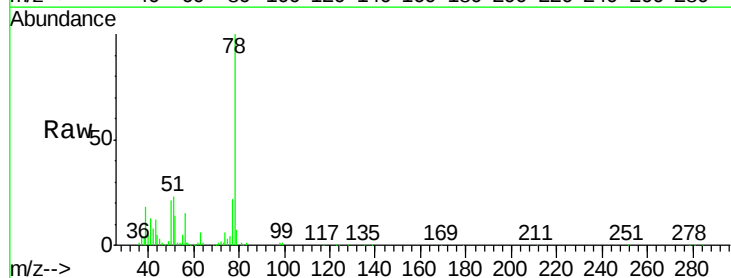
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-052518DUP

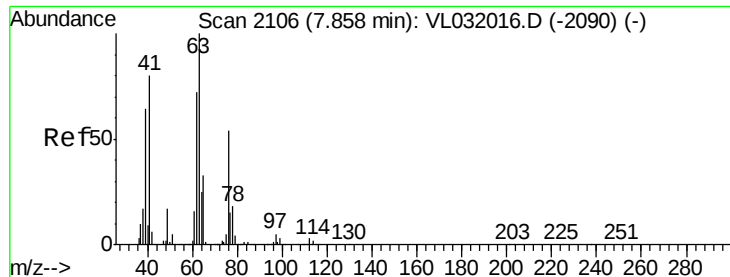
Tgt Ion: 117 Resp: 10680
Ion Ratio Lower Upper
117 100
119 62.5 75.3 112.9#
121 24.9 24.1 36.1



#36
Benzene
Concen: 0.75 ppbv
RT: 7.12 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

Tgt Ion: 78 Resp: 154739
Ion Ratio Lower Upper
78 100
77 22.2 18.1 27.1
50 20.0 14.9 22.3





#39

1,2-Dichloropropane

Concen: 7.98 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.46 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-052518DUP

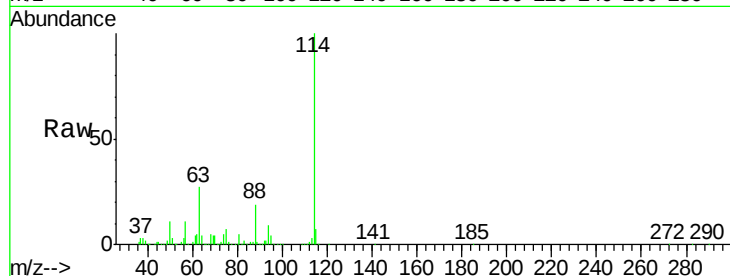
Tgt Ion: 63 Resp: 607118

Ion Ratio Lower Upper

63 100

41 0.0 64.0 96.0#

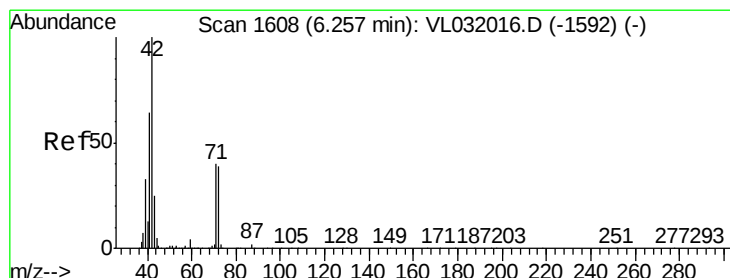
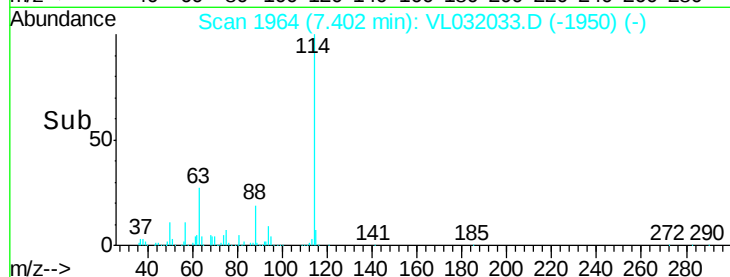
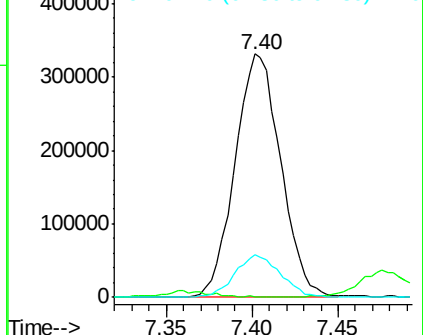
62 17.2 57.6 86.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.06 ppbv

RT: 6.52 min Scan# 1690

Delta R.T. 0.26 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

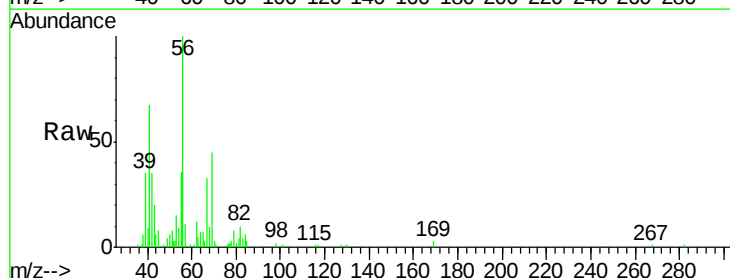
Tgt Ion: 42 Resp: 5091

Ion Ratio Lower Upper

42 100

72 8.0 32.3 48.5#

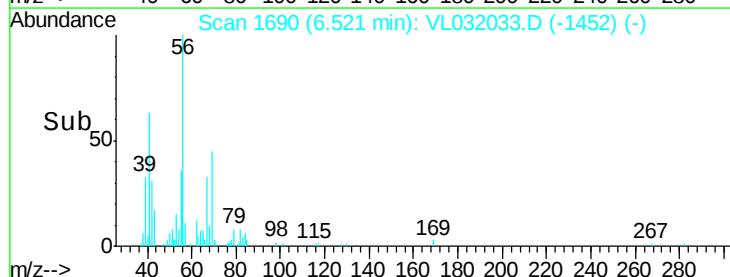
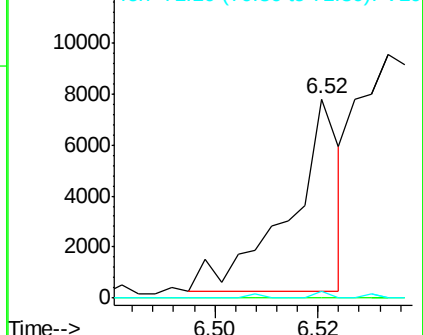
71 0.0 32.3 48.5#

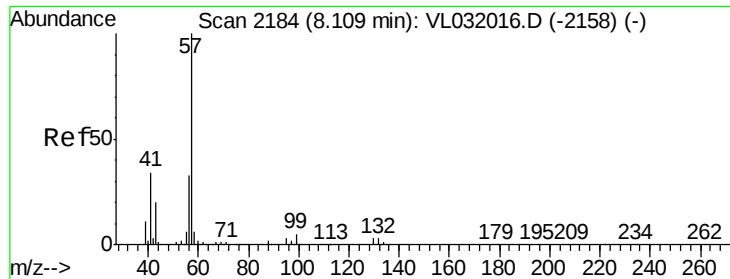


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

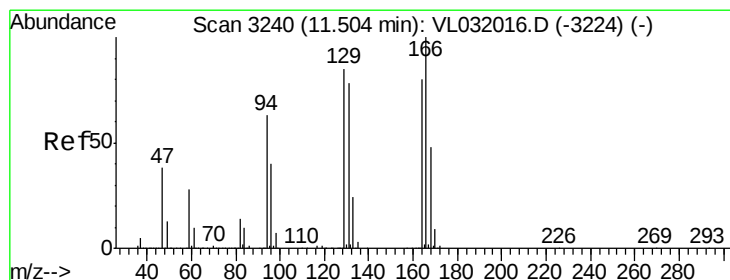
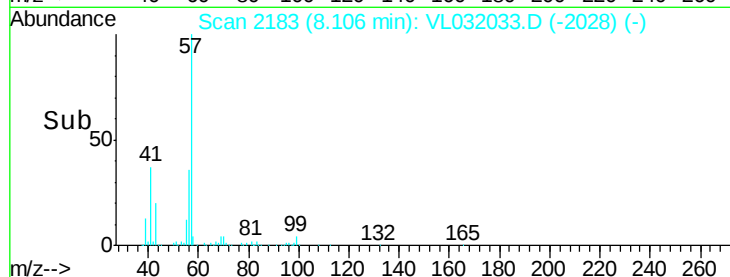
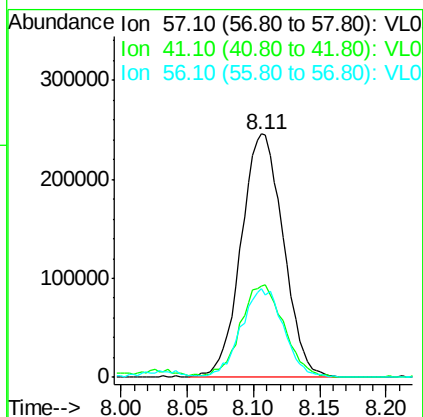
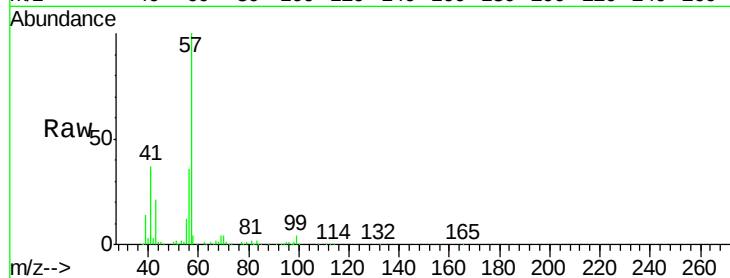




#44
 2,2,4-Trimethylpentane
 Concen: 1.53 ppbv
 RT: 8.11 min Scan# 2183
 Delta R.T. -0.00 min
 Lab File: VL032033.D
 Acq: 1 Jun 2018 22:55

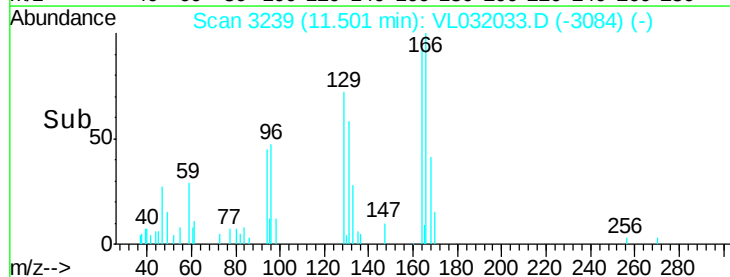
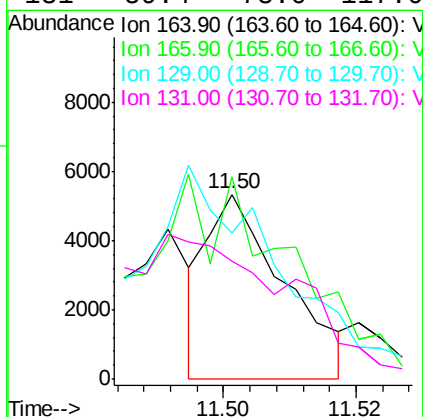
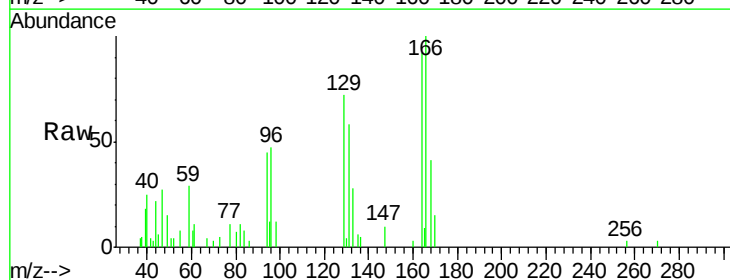
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-052518DUP

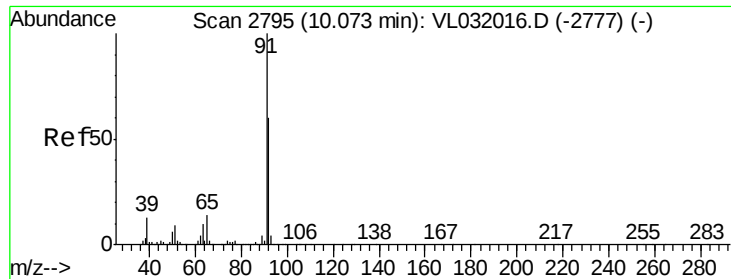
Tgt Ion: 57 Resp: 540129
 Ion Ratio Lower Upper
 57 100
 41 38.9 26.6 40.0
 56 37.2 24.9 37.3



#52
 Tetrachloroethene
 Concen: 0.05 ppbv
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VL032033.D
 Acq: 1 Jun 2018 22:55

Tgt Ion: 164 Resp: 4308
 Ion Ratio Lower Upper
 164 100
 166 83.5 100.2 150.2#
 129 57.4 85.4 128.0#
 131 59.4 78.0 117.0#





#53

Toluene

Concen: 5.14 ppbv

RT: 10.07 min Scan# 2793

Delta R.T. -0.01 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

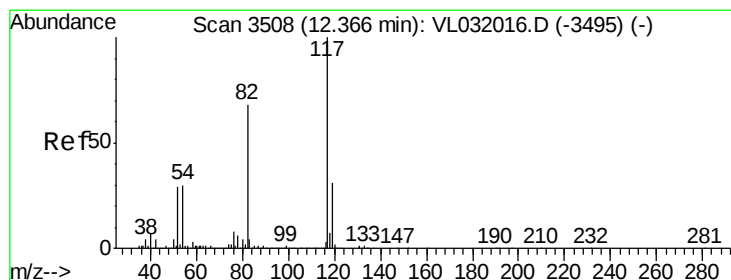
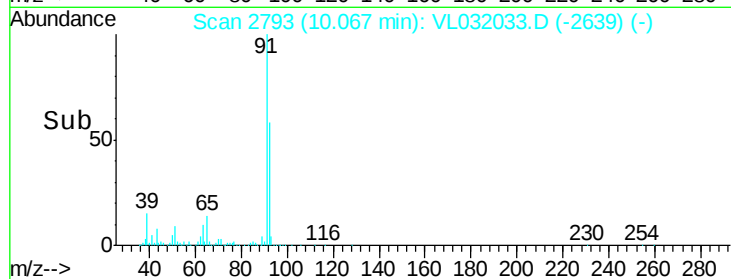
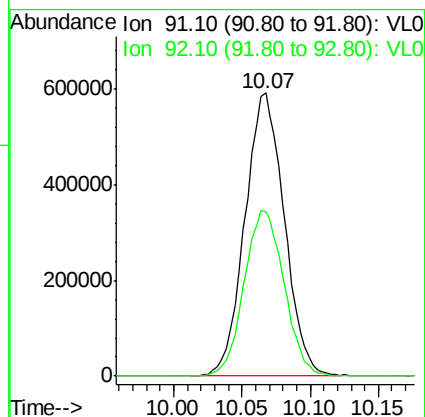
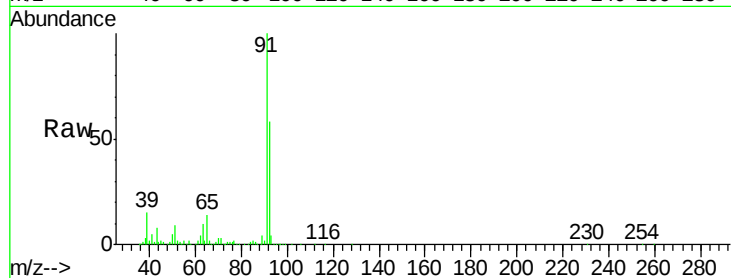
LIHA-IA1-052518DUP

Tgt Ion: 91 Resp: 1186115

Ion Ratio Lower Upper

91 100

92 59.5 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.37 min Scan# 3509

Delta R.T. 0.00 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

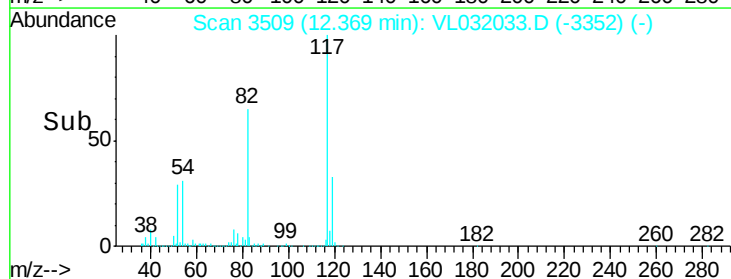
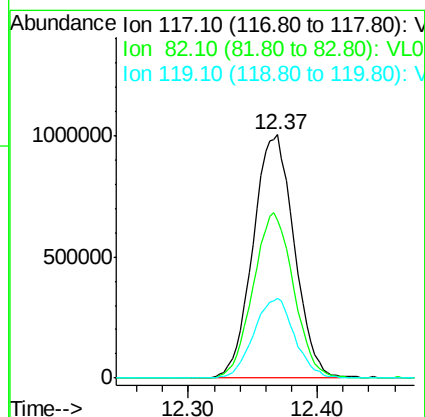
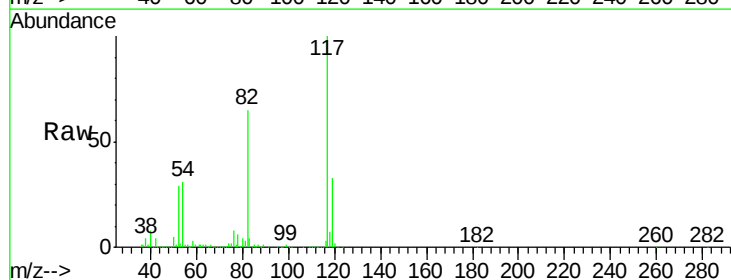
Tgt Ion: 117 Resp: 2231379

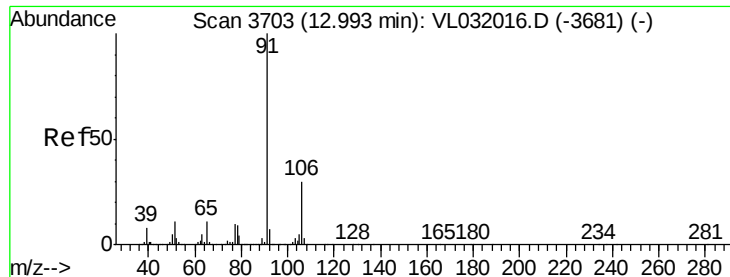
Ion Ratio Lower Upper

117 100

82 67.1 52.7 79.1

119 32.6 25.5 38.3





#58

Ethyl Benzene

Concen: 0.12 ppbv

RT: 12.99 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

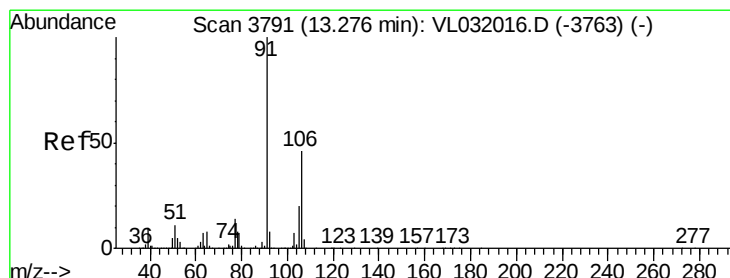
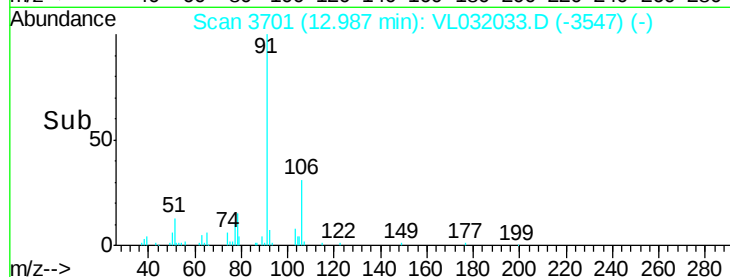
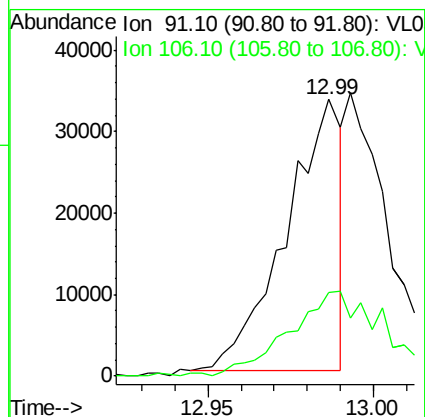
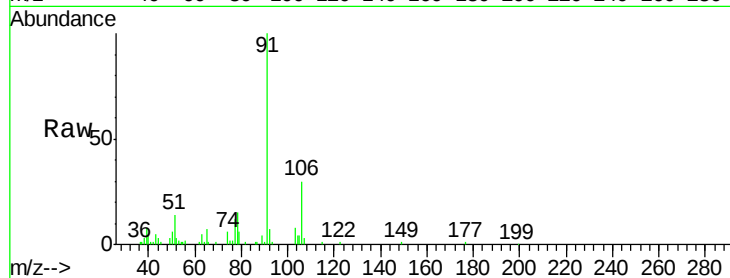
LIHA-IA1-052518DUP

Tgt Ion: 91 Resp: 38739

Ion Ratio Lower Upper

91 100

106 29.8 24.2 36.2



#59

m/p-Xylene

Concen: 0.17 ppbv

RT: 13.27 min Scan# 3789

Delta R.T. -0.01 min

Lab File: VL032033.D

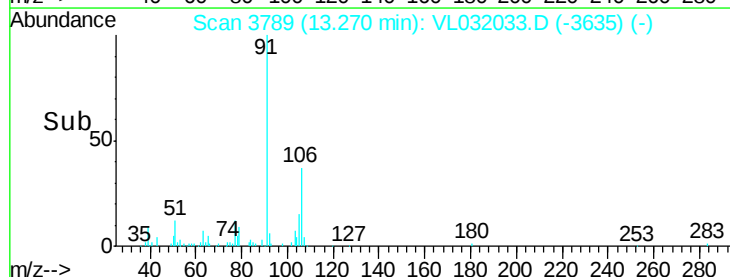
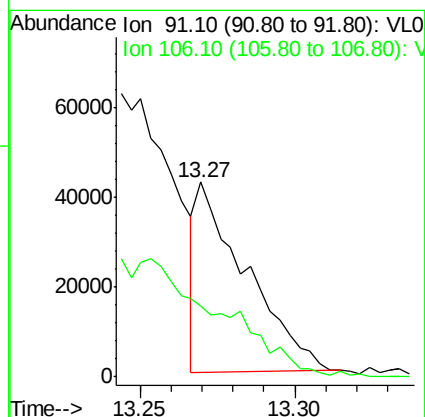
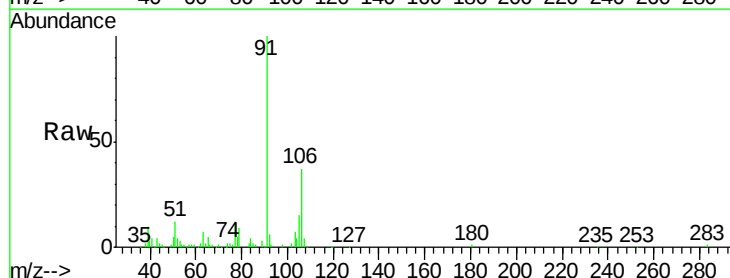
Acq: 1 Jun 2018 22:55

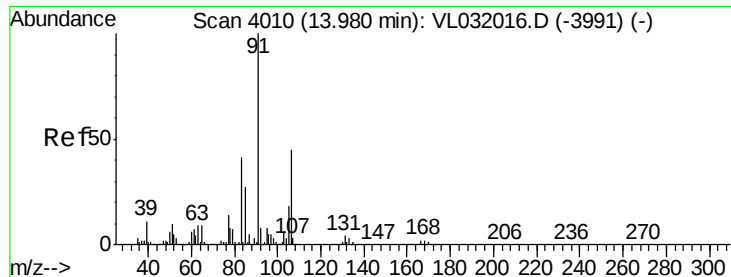
Tgt Ion: 91 Resp: 47142

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#

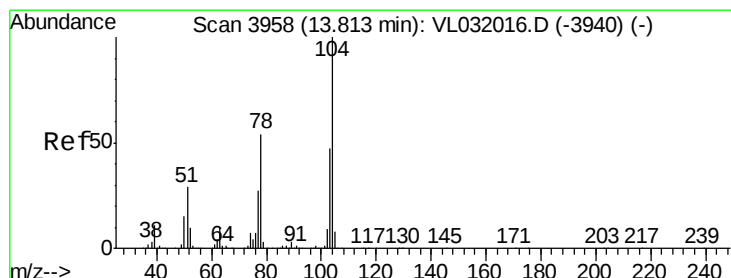
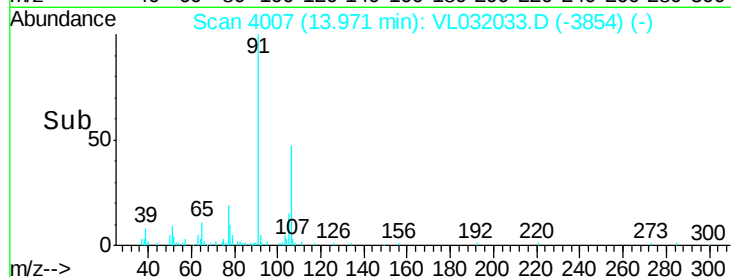
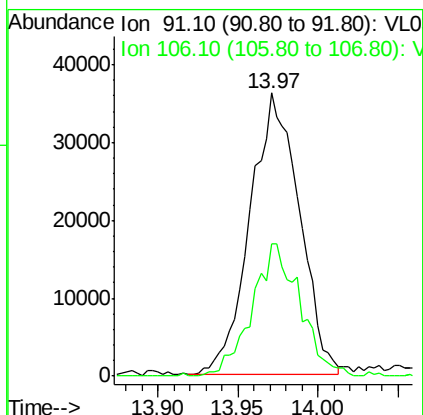
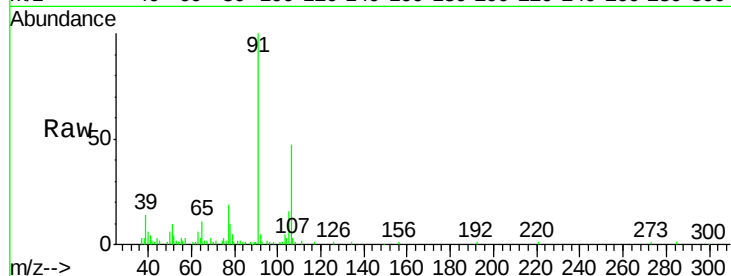




#60
o-Xylene
Concen: 0.28 ppbv
RT: 13.97 min Scan# 4007
Delta R.T. -0.01 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

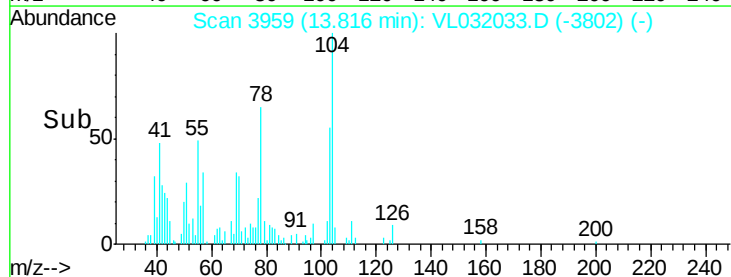
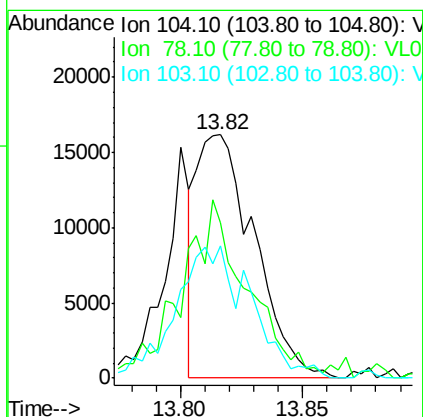
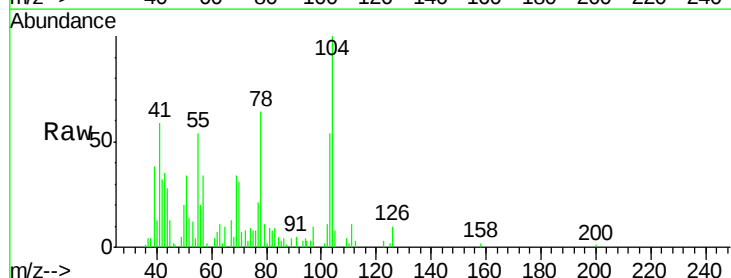
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-052518DUP

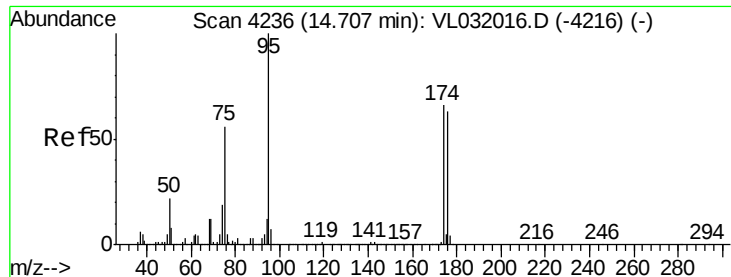
Tgt Ion: 91 Resp: 76976
Ion Ratio Lower Upper
91 100
106 45.7 21.9 65.5



#61
Styrene
Concen: 0.50 ppbv
RT: 13.82 min Scan# 3959
Delta R.T. 0.00 min
Lab File: VL032033.D
Acq: 1 Jun 2018 22:55

Tgt Ion: 104 Resp: 26391
Ion Ratio Lower Upper
104 100
78 89.7 43.0 64.4#
103 71.7 37.4 56.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.34 ppbv

RT: 14.70 min Scan# 4235

Delta R.T. -0.00 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-052518DUP

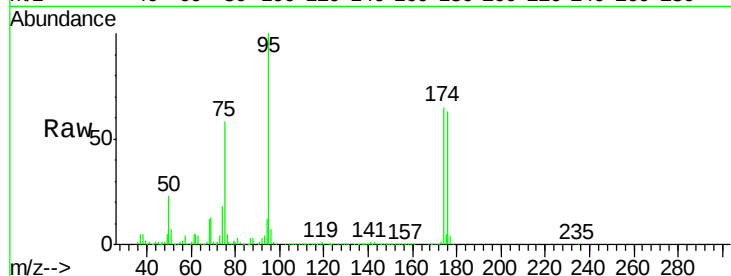
Tgt Ion: 95 Resp: 1782147

Ion Ratio Lower Upper

95 100

174 66.1 53.2 79.8

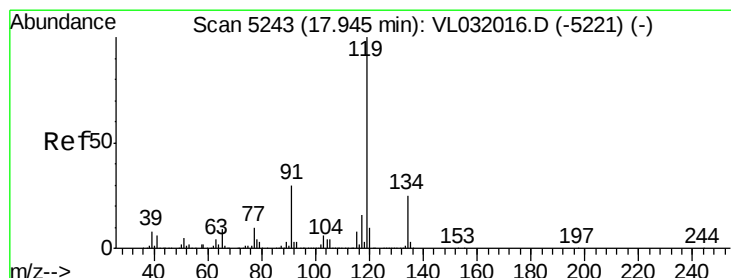
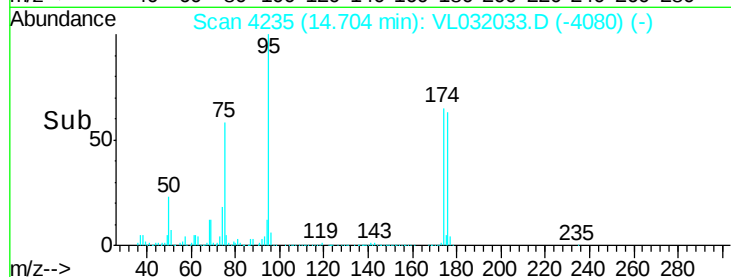
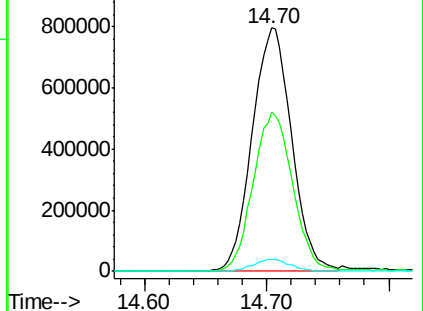
175 4.7 3.7 5.5



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



#69

p-Isopropyltoluene

Concen: 0.04 ppbv

RT: 17.94 min Scan# 5241

Delta R.T. -0.01 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

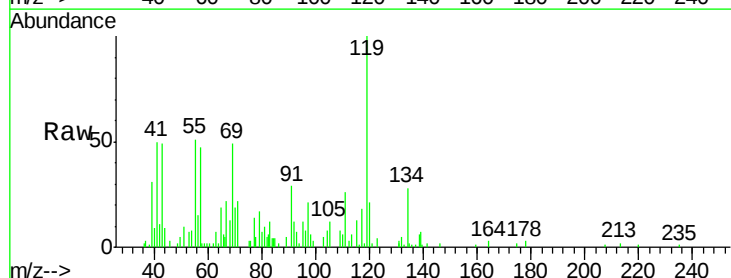
Tgt Ion: 119 Resp: 14767

Ion Ratio Lower Upper

119 100

134 0.0 19.9 29.9#

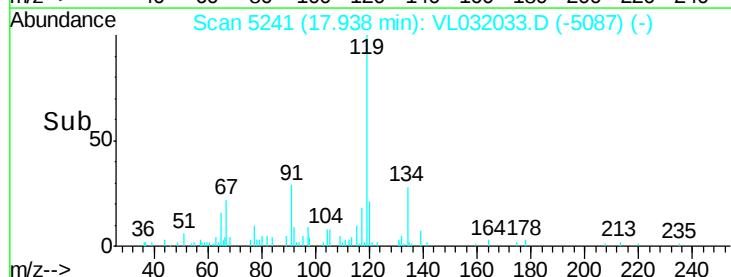
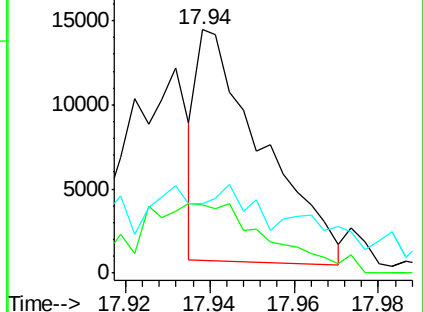
91 0.0 24.1 36.1#

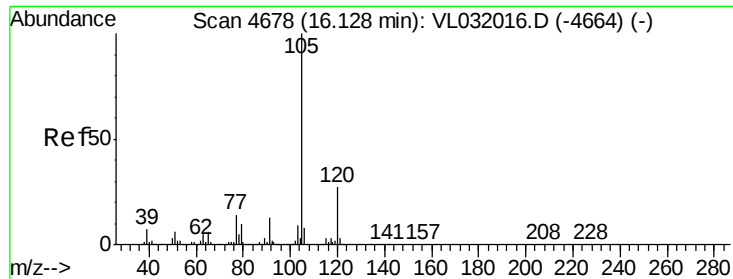


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





#72

4-Ethyltoluene

Concen: 0.13 ppbv

RT: 16.12 min Scan# 4676

Delta R.T. -0.01 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

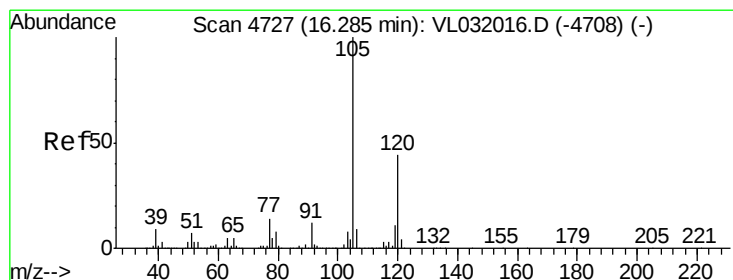
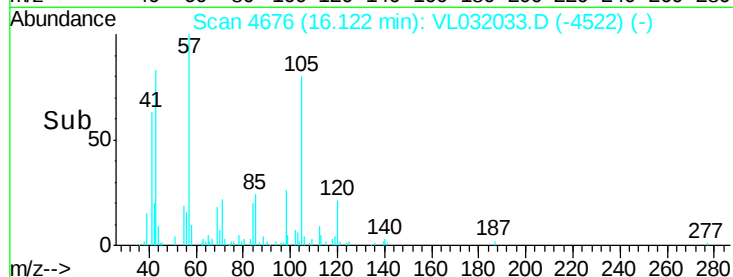
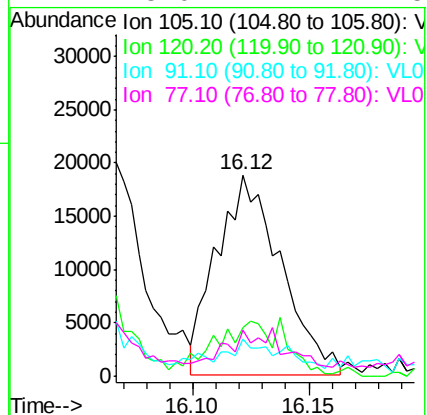
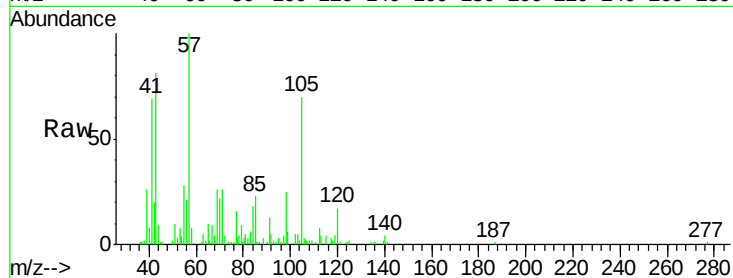
Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-052518DUP

Tgt Ion:	105	Resp:	36025
Ion	Ratio	Lower	Upper
105	100		
120	30.6	23.4	35.0
91	14.2	10.7	16.1
77	28.0	11.7	17.5#



#73

1,3,5-Trimethylbenzene

Concen: 0.18 ppbv

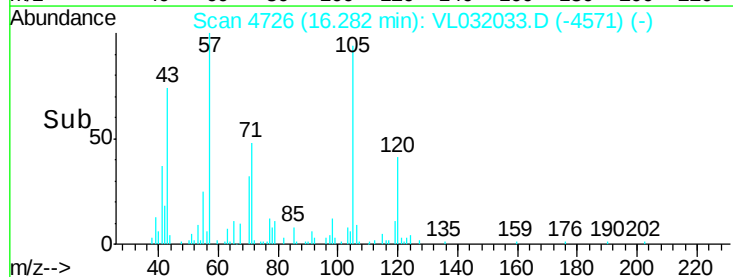
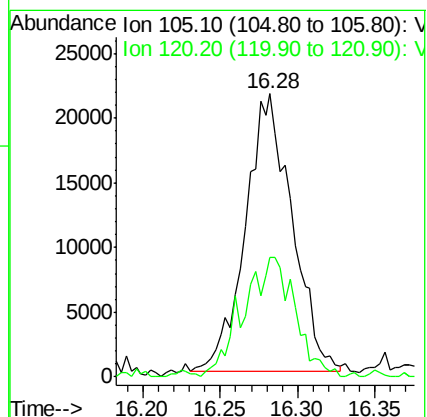
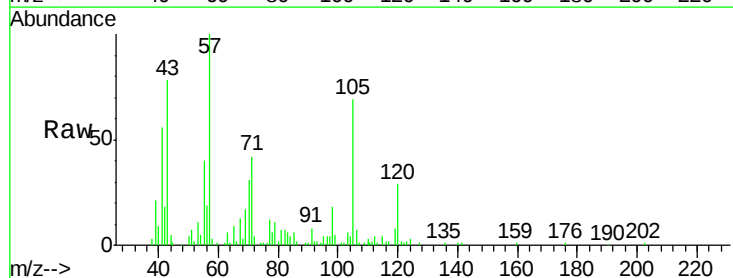
RT: 16.28 min Scan# 4726

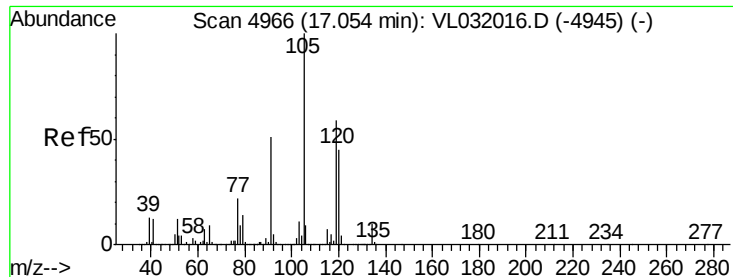
Delta R.T. -0.00 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Tgt Ion:	105	Resp:	44995
Ion	Ratio	Lower	Upper
105	100		
120	43.1	35.0	52.4





#74

1,2,4-Trimethylbenzene

Concen: 0.46 ppbv

RT: 17.05 min Scan# 4964

Delta R.T. -0.01 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

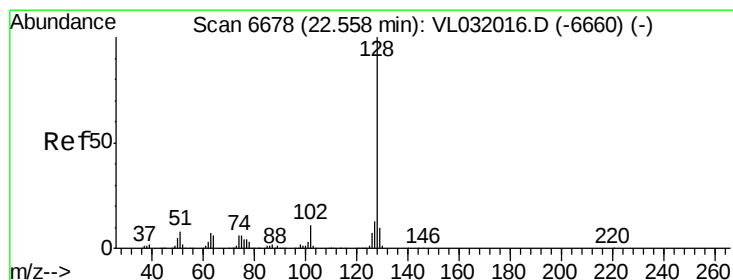
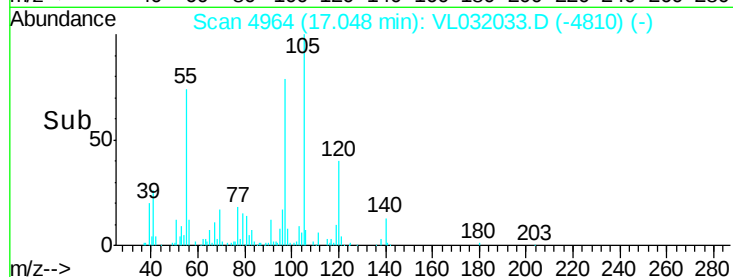
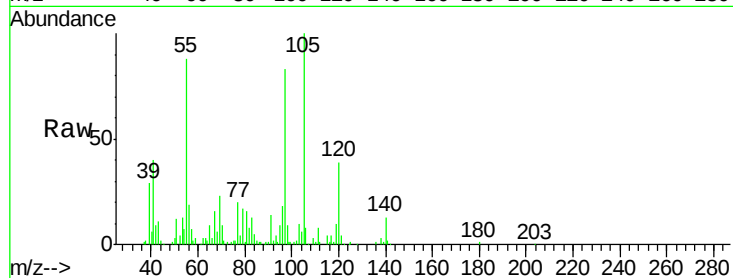
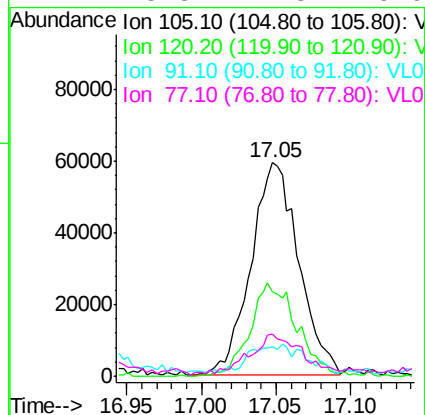
Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-052518DUP

Tgt Ion:	105	Resp:	131429
Ion	Ratio	Lower	Upper
105	100		
120	39.7	36.0	54.0
91	12.0	41.4	62.0#
77	18.8	17.3	25.9



#79

Naphthalene

Concen: 0.04 ppbv

RT: 22.57 min Scan# 6680

Delta R.T. 0.01 min

Lab File: VL032033.D

Acq: 1 Jun 2018 22:55

Tgt Ion:	128	Resp:	7156
Ion	Ratio	Lower	Upper
128	100		
127	9.2	10.2	15.2#
129	14.7	8.2	12.2#

