

Data File : VL032718.D
Acq On : 7 Nov 2018 15:39
Operator : SY/AP
Sample : J5809-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-110118

Quant Time: Nov 08 10:52:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1501105	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3681722	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3467725	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.59 95 2609634 10.11 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	34178	0.223	ppbv	94
3) Chlorodifluoromethane	3.02	51	95318	0.812	ppbv #	81
4) Chloromethane	3.18	50	37651	0.574	ppbv	90
9) Propene	3.25	41	468597	9.700	ppbv	98
10) Heptane	8.26	43	57147	0.307	ppbv	99
11) Trichlorofluoromethane	4.01	101	42494	0.213	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.56	101	9389	0.057	ppbv #	49
13) Ethanol	3.69	45	21364367	1547.253	ppbv	98
15) Acetone	3.90	43	3403615	24.554	ppbv	91
16) 1,3-Butadiene	3.35	39	15214	0.298	ppbv #	1
17) tert-Butyl alcohol	4.41	59	150220	3.685	ppbv #	100
19) Isopropyl Alcohol	4.08	45	397781	4.030	ppbv #	1
20) Methylene Chloride	4.42	84	55513	0.789	ppbv	88
21) Allyl Chloride	4.43	41	33277	0.292	ppbv #	1
23) Vinyl Acetate	5.15	43	87396	0.356	ppbv #	46
25) Ethyl Acetate	5.78	43	413113	1.295	ppbv #	95
26) Hexane	5.79	57	97555	0.646	ppbv #	11
29) Chloroform	5.86	83	13436	0.056	ppbv	93
30) Cyclohexane	7.25	84	7356	0.062	ppbv #	1
31) cis-1,2-Dichloroethene	5.78	61	46015	0.329	ppbv #	28
34) 2-Butanone	5.34	43	127390	0.645	ppbv	99
36) Benzene	7.02	78	131754	0.441	ppbv	97
39) 1,2-Dichloropropane	7.30	63	928894	8.046	ppbv #	26
41) Tetrahydrofuran	6.16	42	4561	0.041	ppbv #	35
44) 2,2,4-Trimethylpentane	8.00	57	144842	0.284	ppbv #	79
52) Tetrachloroethene	11.39	164	10352	0.099	ppbv	89
53) Toluene	9.96	91	685999	2.002	ppbv	98
58) Ethyl Benzene	12.88	91	40399	0.100	ppbv	89
59) m/p-Xylene	13.16	91	50681	0.141	ppbv #	31
72) 4-Ethyltoluene	16.01	105	26032	0.071	ppbv #	88
73) 1,3,5-Trimethylbenzene	16.17	105	17492	0.049	ppbv	89
74) 1,2,4-Trimethylbenzene	16.93	105	74205	0.194	ppbv #	77
80) Naphthalene,2-methyl-	25.13	142	3503	0.060	ppbv #	68

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

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LIHA-IA1-110118

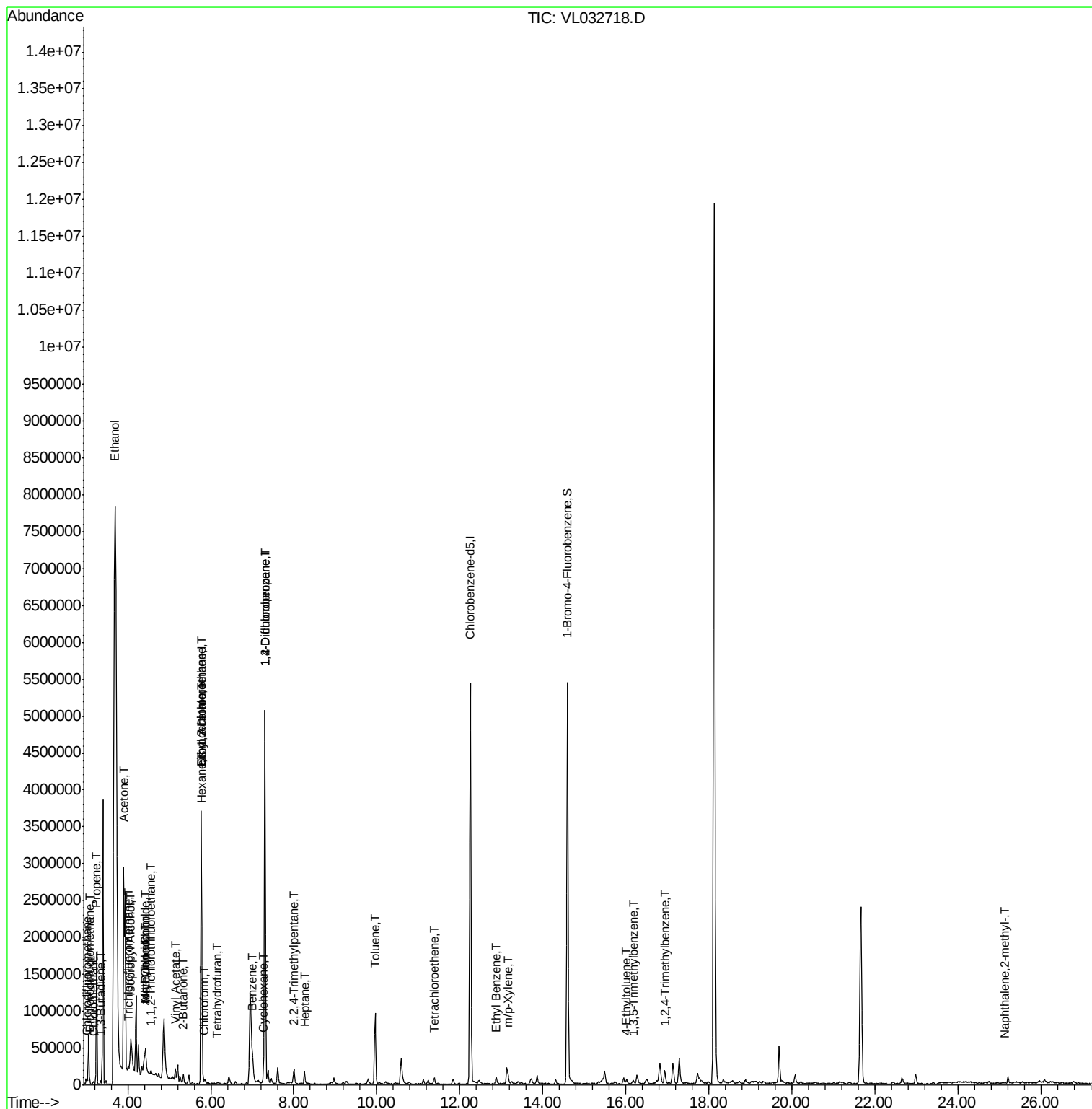
Quant Time: Nov 08 10:52:04 2018

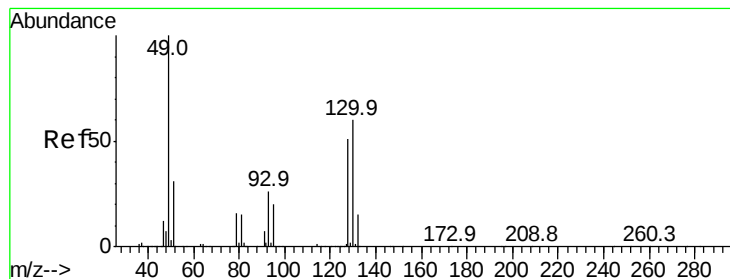
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL101818AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018

QLast Update : Thu Oct 25 05:15:43 2018

Response via : Initial Calibration

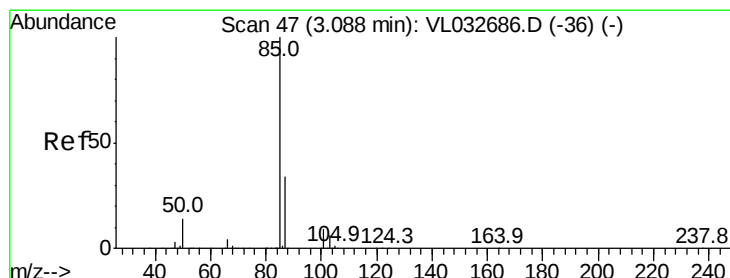
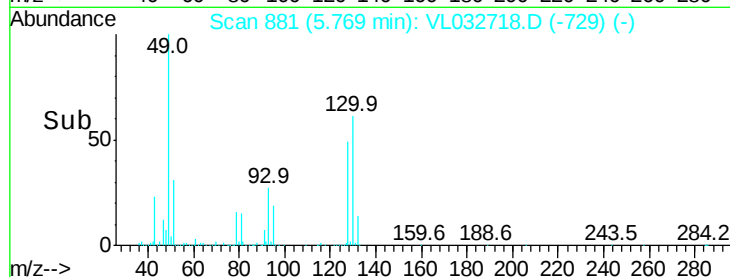
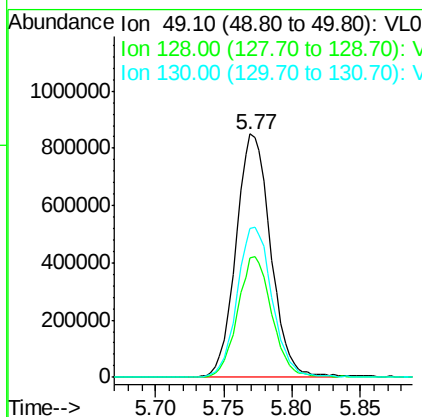
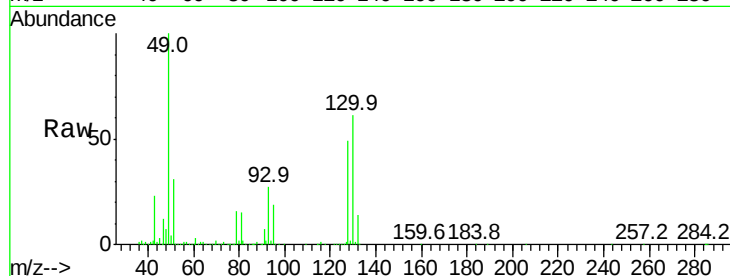




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VL032718.D
 Acq: 7 Nov 2018 15:39

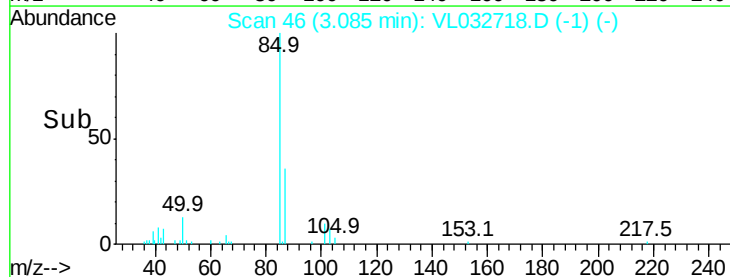
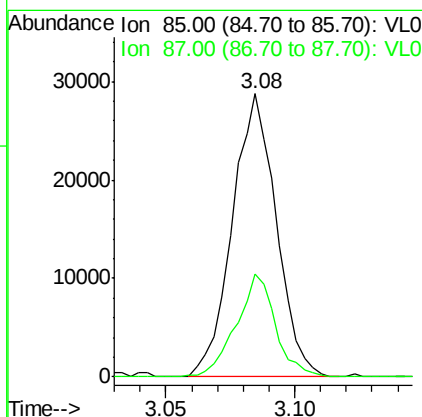
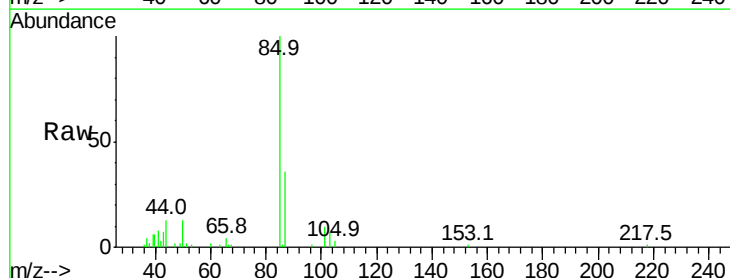
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-110118

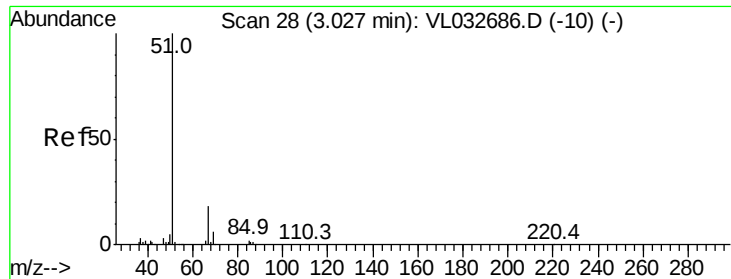
Tgt Ion:	49	Resp:	1501105
Ion	Ratio	Lower	Upper
49	100		
128	49.2	22.3	66.8
130	62.8	28.4	85.3



#2
 Dichlorodifluoromethane
 Concen: 0.223 ppbv
 RT: 3.08 min Scan# 46
 Delta R.T. -0.00 min
 Lab File: VL032718.D
 Acq: 7 Nov 2018 15:39

Tgt Ion:	85	Resp:	34178
Ion	Ratio	Lower	Upper
85	100		
87	36.2	26.2	39.2





#3

Chlorodifluoromethane

Concen: 0.812 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

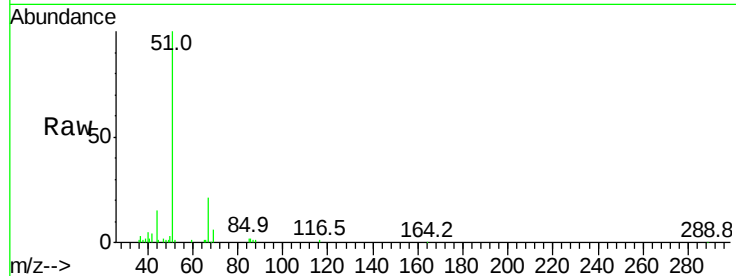
LIHA-IA1-110118

Tgt Ion: 51 Resp: 95318

Ion Ratio Lower Upper

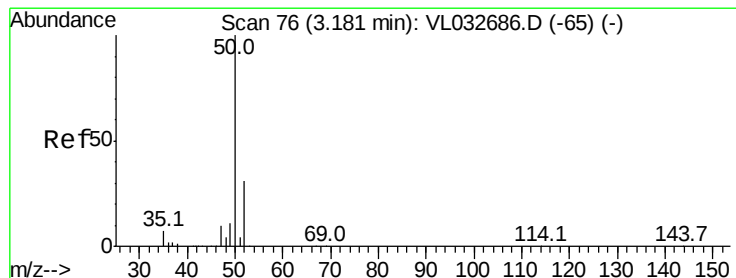
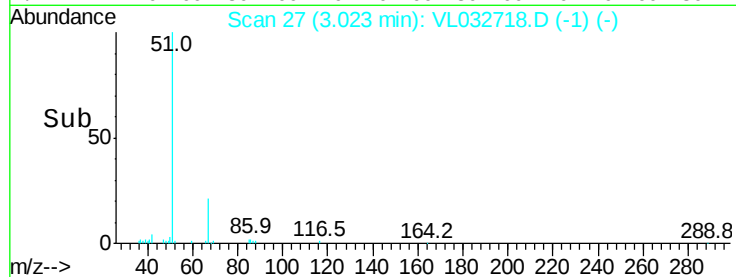
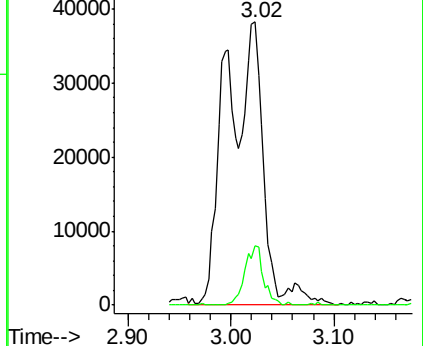
51 100

67 10.6 15.2 22.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.574 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL032718.D

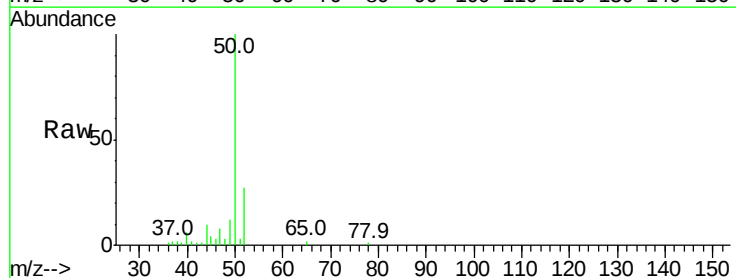
Acq: 7 Nov 2018 15:39

Tgt Ion: 50 Resp: 37651

Ion Ratio Lower Upper

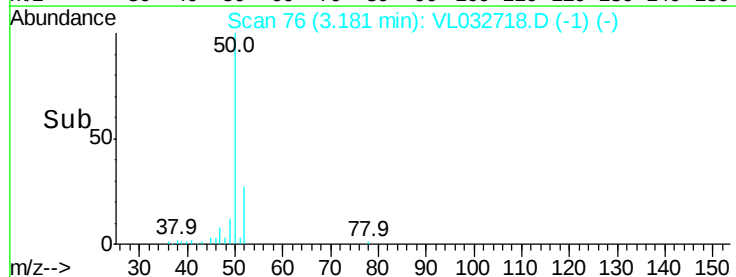
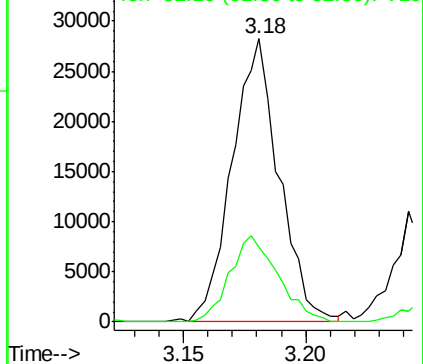
50 100

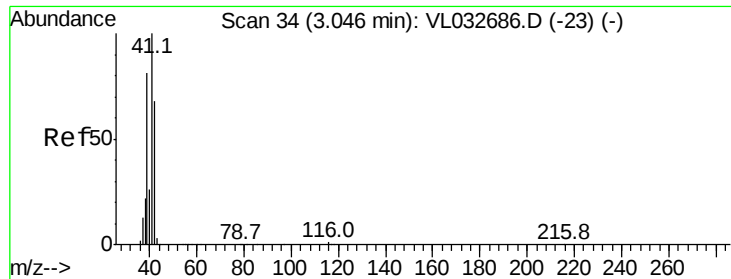
52 26.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 9.700 ppbv

RT: 3.25 min Scan# 96

Delta R.T. 0.20 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

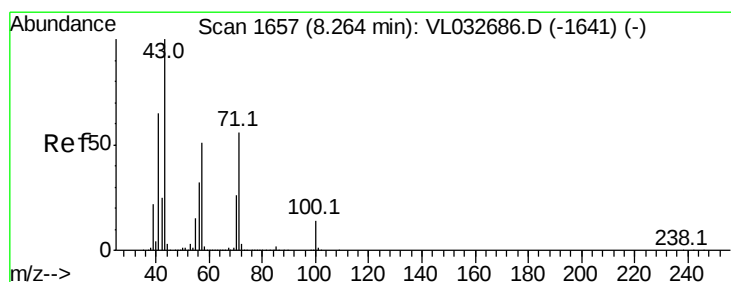
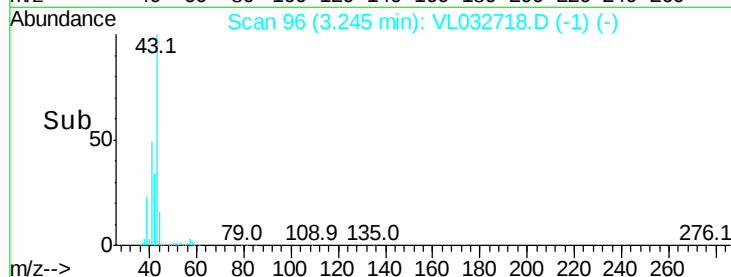
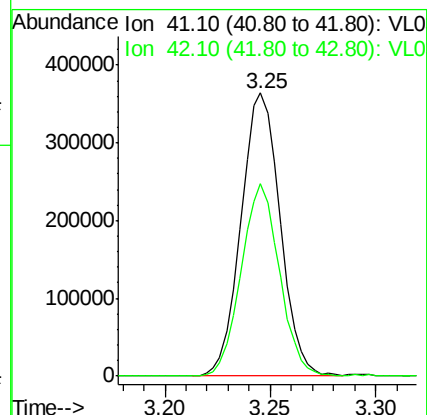
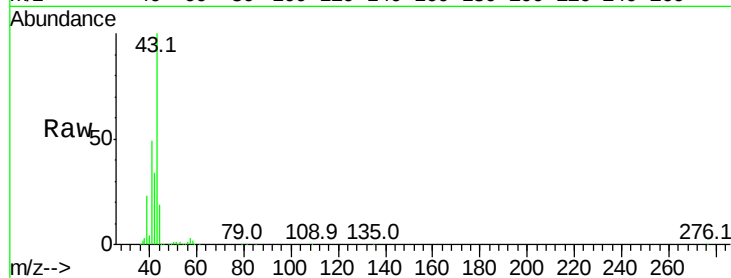
LIHA-IA1-110118

Tgt Ion: 41 Resp: 468597

Ion Ratio Lower Upper

41 100

42 67.3 55.4 83.0



#10

Heptane

Concen: 0.307 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VL032718.D

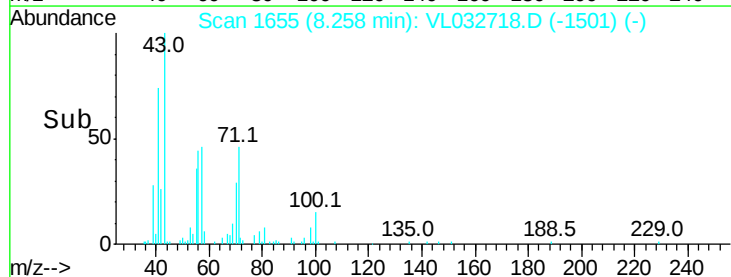
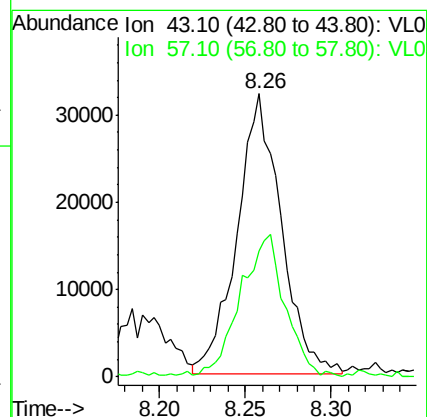
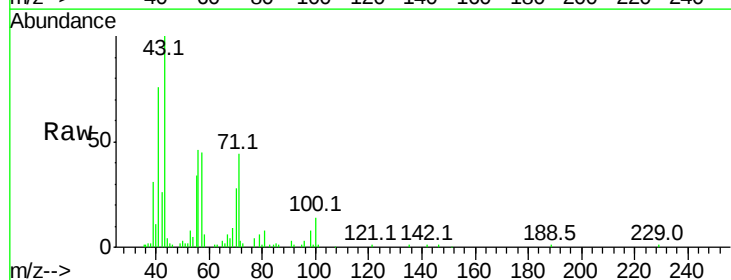
Acq: 7 Nov 2018 15:39

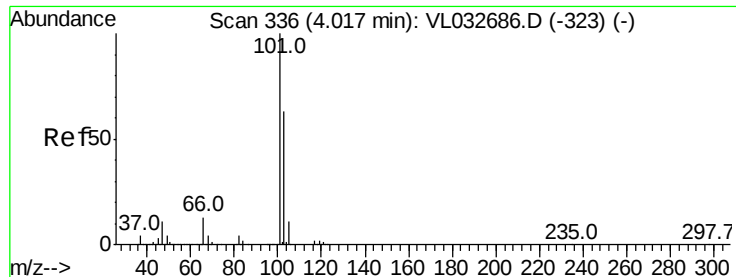
Tgt Ion: 43 Resp: 57147

Ion Ratio Lower Upper

43 100

57 52.3 41.5 62.3





#11

Trichlorofluoromethane

Concen: 0.213 ppbv

RT: 4.01 min Scan# 334

Delta R.T. -0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

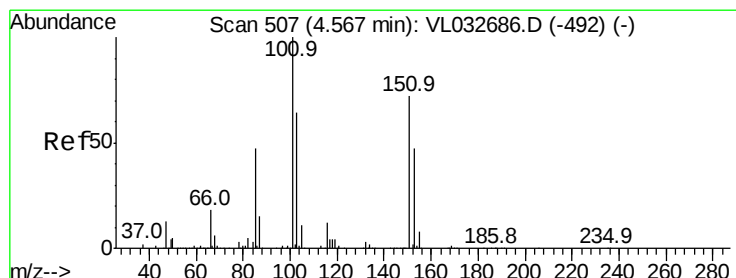
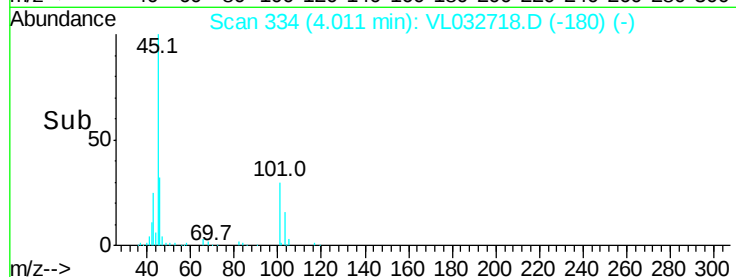
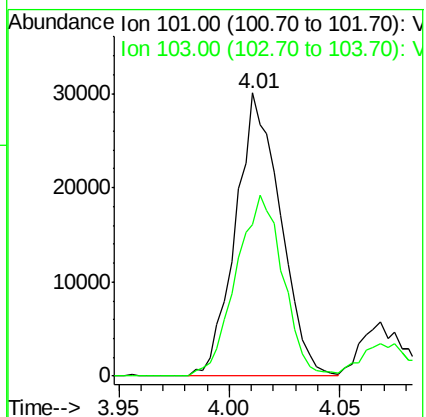
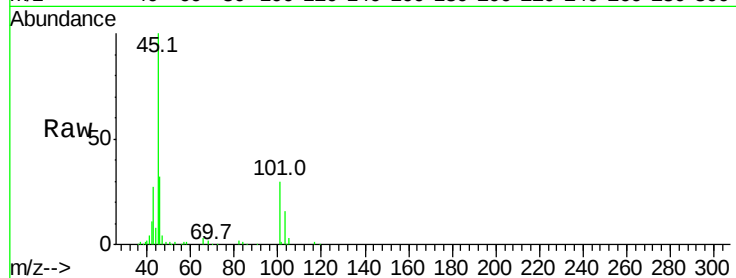
LIHA-IA1-110118

Tgt Ion:101 Resp: 42494

Ion Ratio Lower Upper

101 100

103 53.5 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.057 ppbv

RT: 4.56 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL032718.D

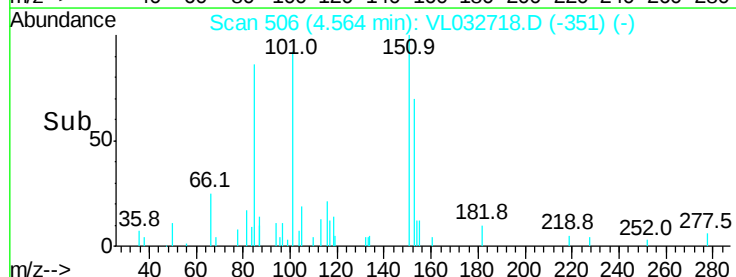
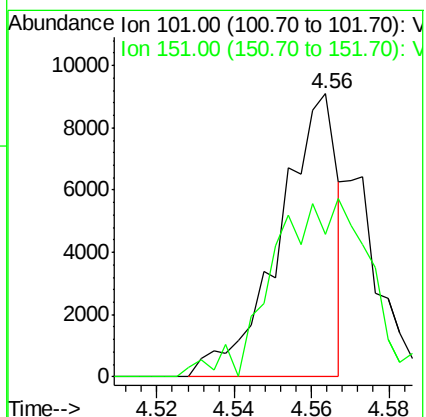
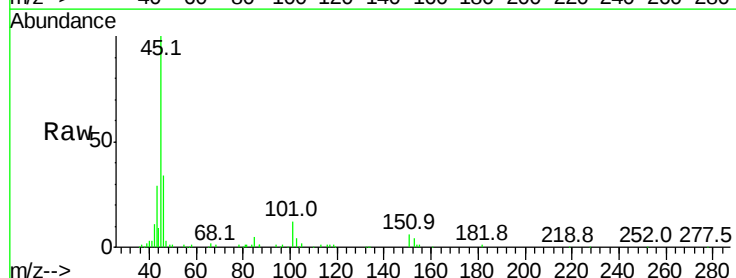
Acq: 7 Nov 2018 15:39

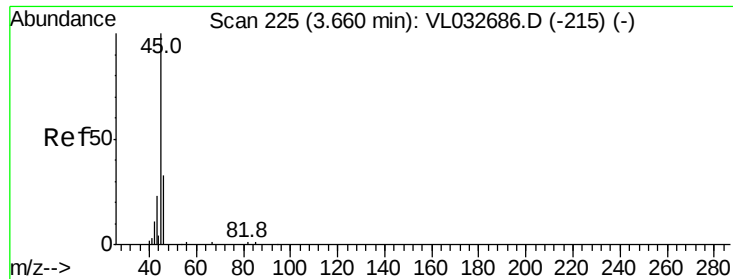
Tgt Ion:101 Resp: 9389

Ion Ratio Lower Upper

101 100

151 106.0 52.3 78.5#





#13

Ethanol

Concen: 1547.253 ppbv

RT: 3.69 min Scan# 235

Delta R.T. 0.03 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

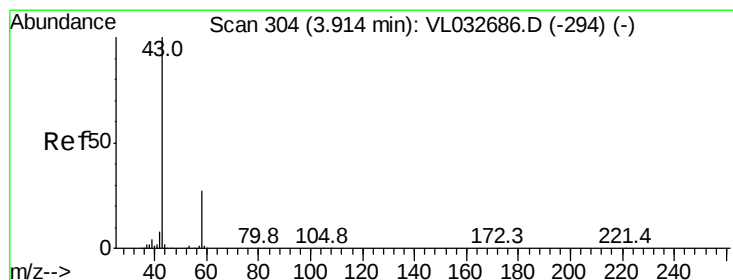
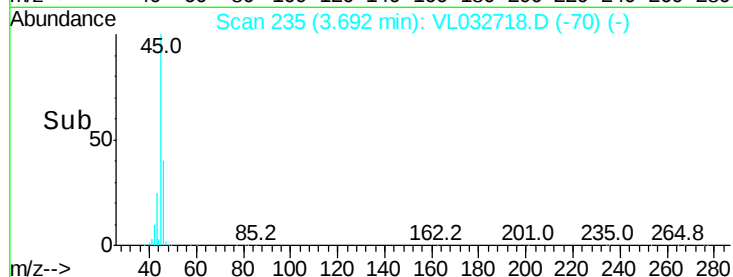
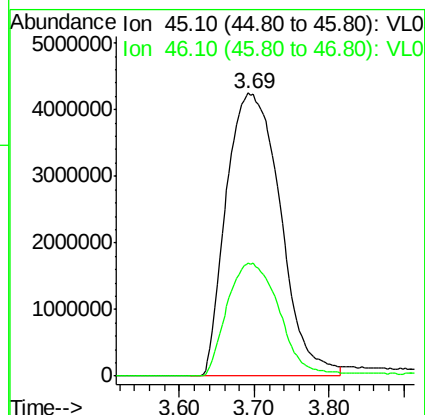
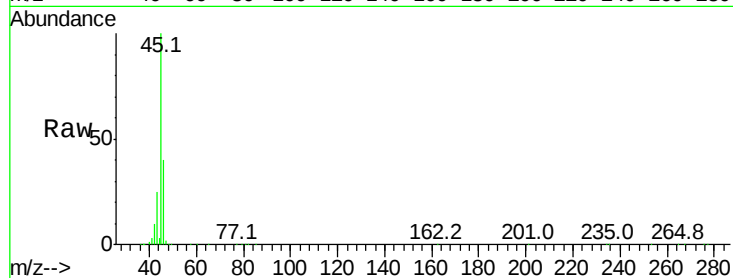
LIHA-IA1-110118

Tgt Ion: 45 Resp:21364367

Ion Ratio Lower Upper

45 100

46 39.7 15.4 61.8



#15

Acetone

Concen: 24.554 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.01 min

Lab File: VL032718.D

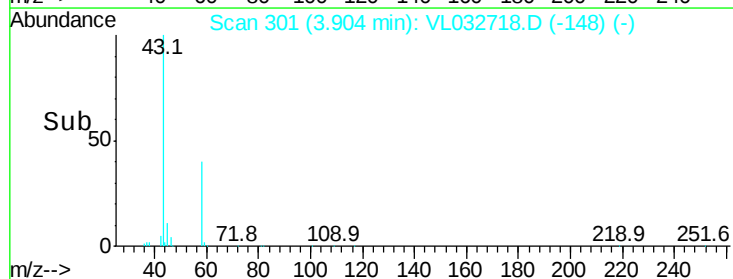
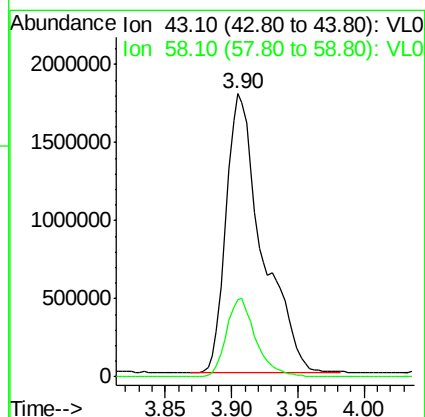
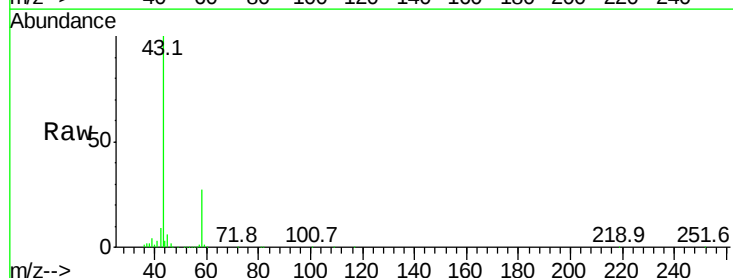
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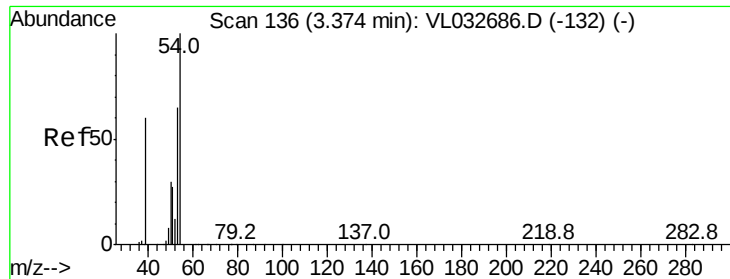
Tgt Ion: 43 Resp: 3403615

Ion Ratio Lower Upper

43 100

58 22.9 22.1 33.1

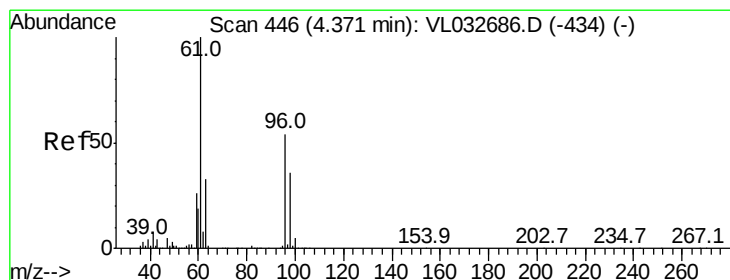
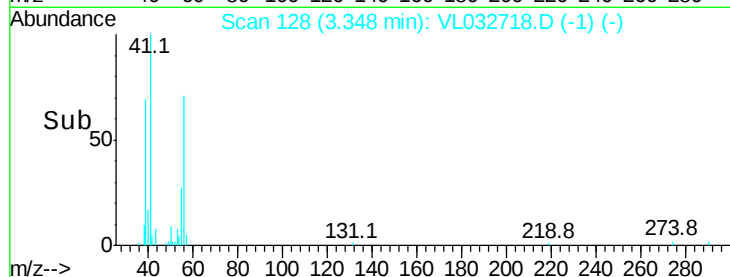
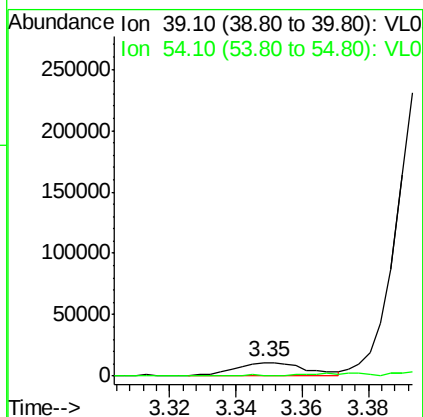
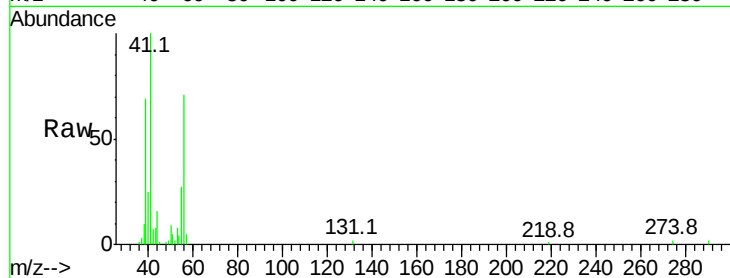




#16
1,3-Butadiene
Concen: 0.298 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.03 min
Lab File: VL032718.D
Acq: 7 Nov 2018 15:39

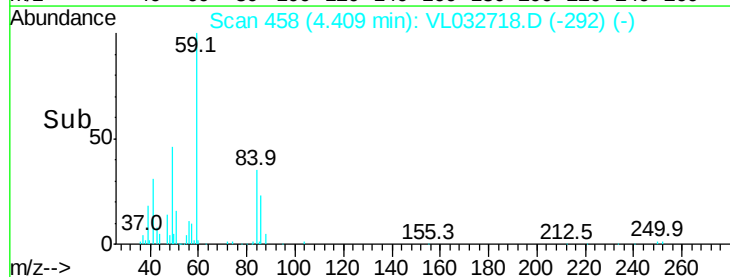
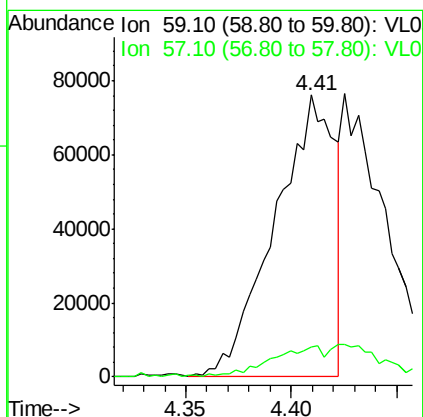
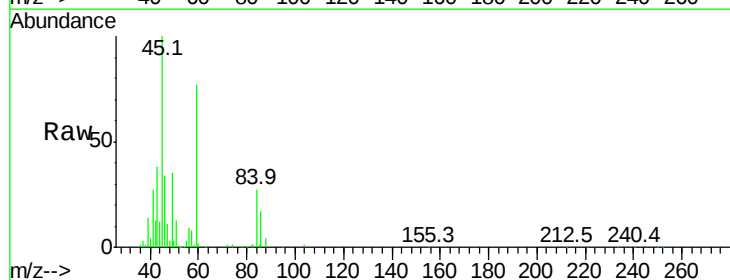
Instrument :
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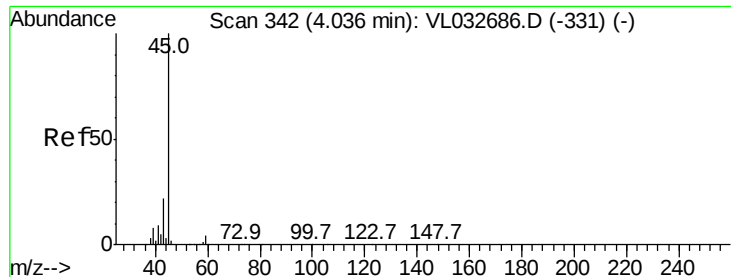
Tgt Ion: 39 Resp: 15214
Ion Ratio Lower Upper
39 100
54 0.0 90.4 135.6#



#17
tert-Butyl alcohol
Concen: 3.685 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.04 min
Lab File: VL032718.D
Acq: 7 Nov 2018 15:39

Tgt Ion: 59 Resp: 150220
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#19

Isopropyl Alcohol

Concen: 4.030 ppbv

RT: 4.08 min Scan# 356

Delta R.T. 0.05 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

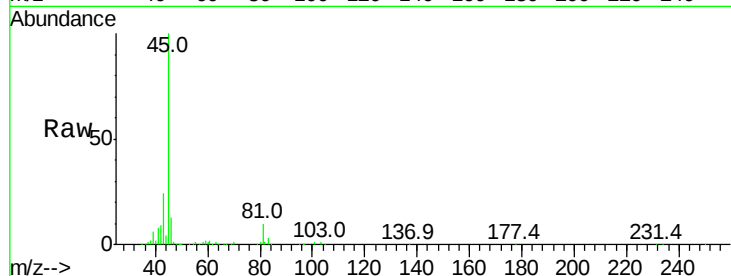
LIHA-IA1-110118

Tgt Ion: 45 Resp: 397781

Ion Ratio Lower Upper

45 100

58 196.4 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.08

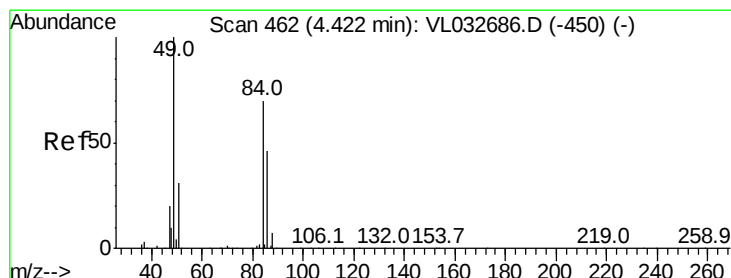
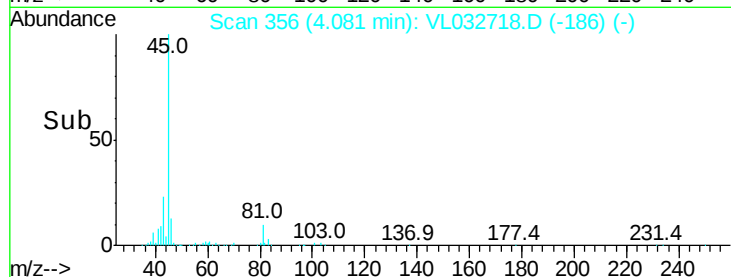
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 0.789 ppbv

RT: 4.42 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Tgt Ion: 84 Resp: 55513

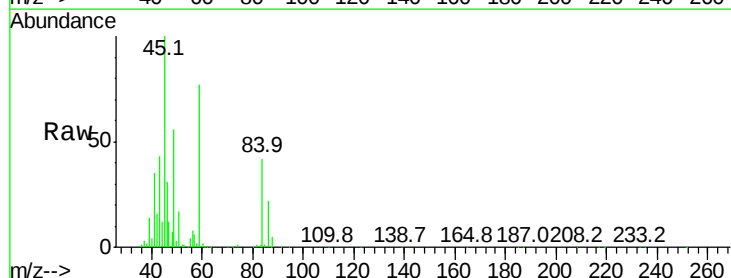
Ion Ratio Lower Upper

84 100

49 127.0 113.5 170.3

51 35.9 34.8 52.2

86 51.6 47.9 71.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

80000

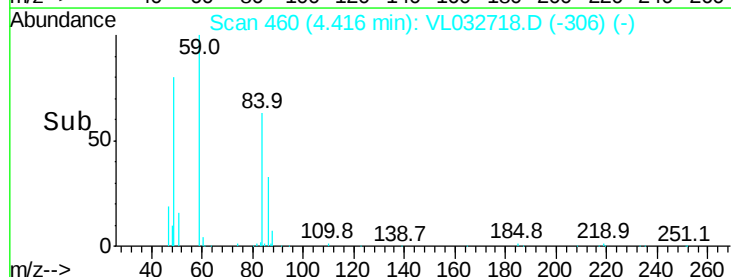
60000

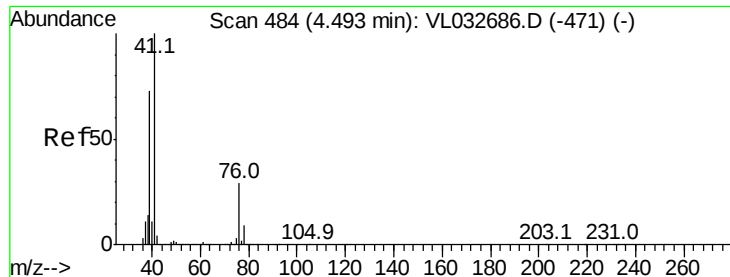
40000

20000

0

Time-->





#21

Allyl Chloride

Concen: 0.292 ppbv

RT: 4.43 min Scan# 464

Delta R.T. -0.06 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-110118

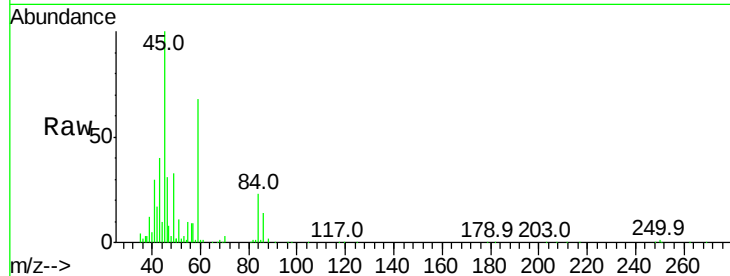
Tgt Ion: 41 Resp: 33277

Ion Ratio Lower Upper

41 100

76 1.0 24.3 36.5#

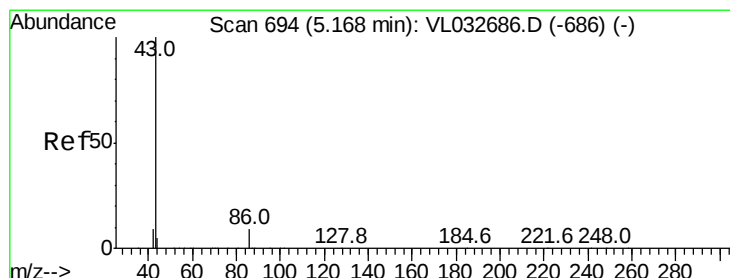
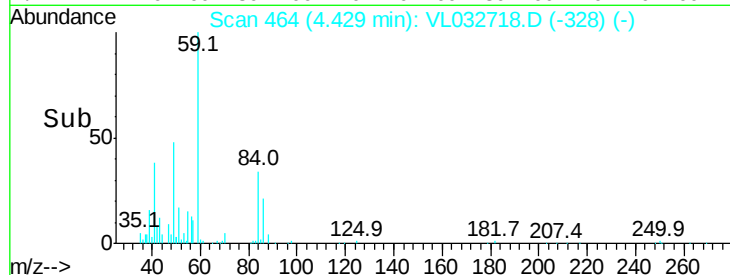
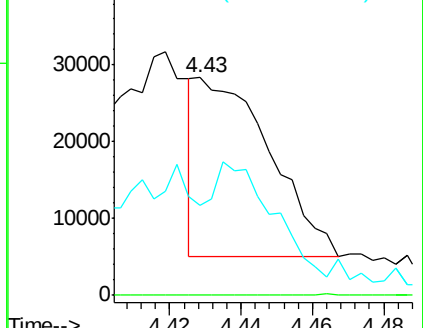
39 197.1 60.3 90.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.356 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.02 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Tgt Ion: 43 Resp: 87396

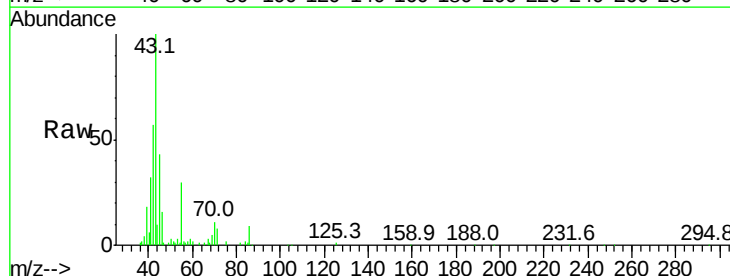
Ion Ratio Lower Upper

43 100

86 10.5 6.1 9.1#

42 52.7 7.4 11.2#

44 4.1 4.2 6.2#

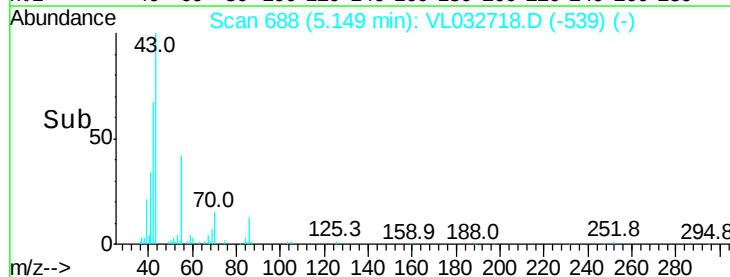
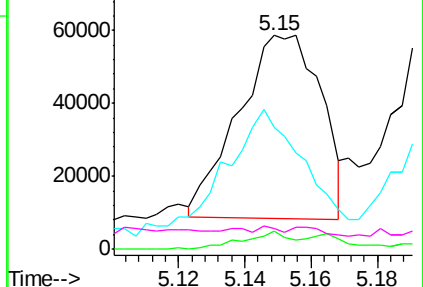


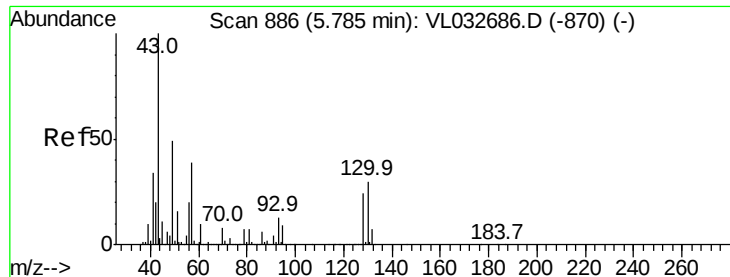
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

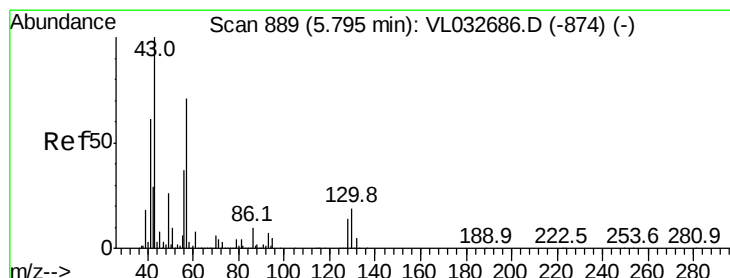
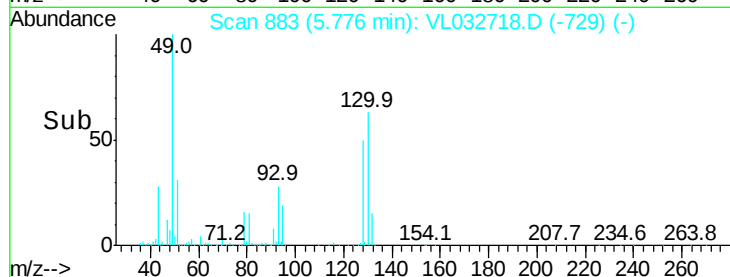
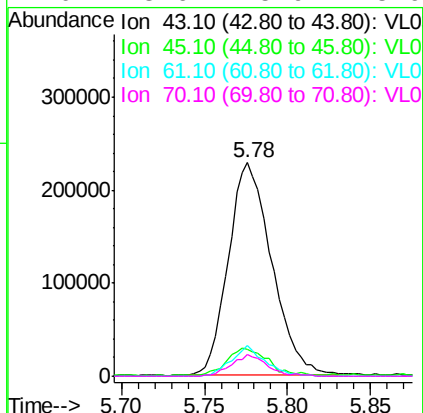
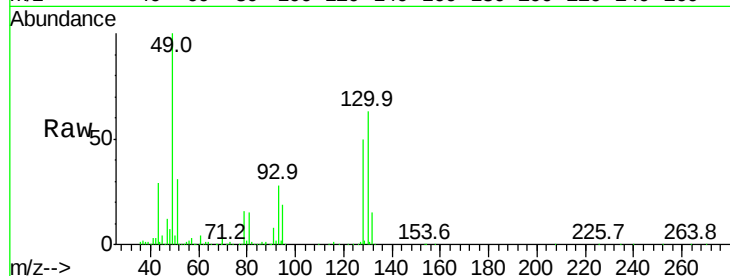




#25
Ethyl Acetate
Concen: 1.295 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032718.D
Acq: 7 Nov 2018 15:39

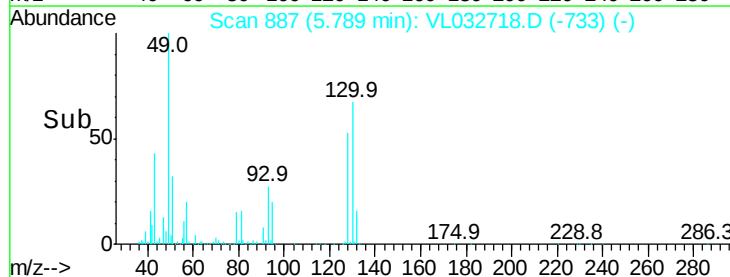
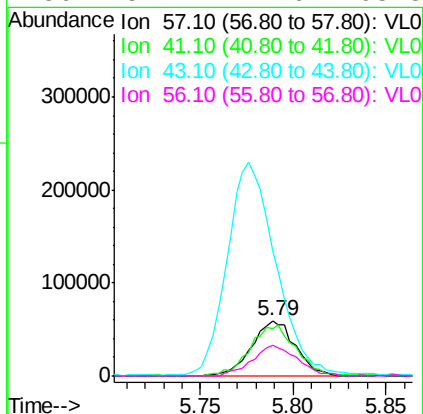
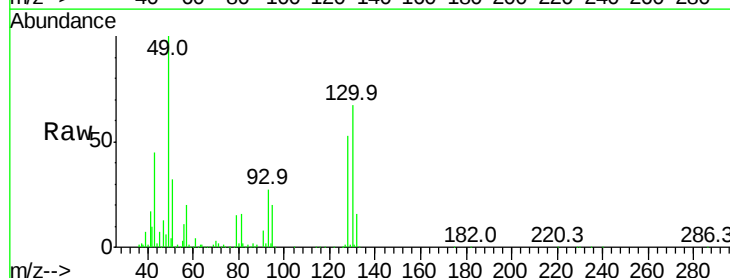
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-110118

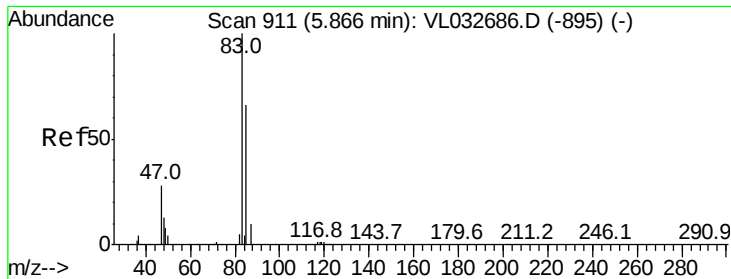
Tgt Ion:	43	Resp:	413113
Ion	Ratio	Lower	Upper
43	100		
45	12.4	8.0	12.0#
61	11.3	8.0	12.0
70	8.6	5.9	8.9



#26
Hexane
Concen: 0.646 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032718.D
Acq: 7 Nov 2018 15:39

Tgt Ion:	57	Resp:	97555
Ion	Ratio	Lower	Upper
57	100		
41	98.2	67.4	101.0
43	433.8	171.9	257.9#
56	57.4	42.6	63.8

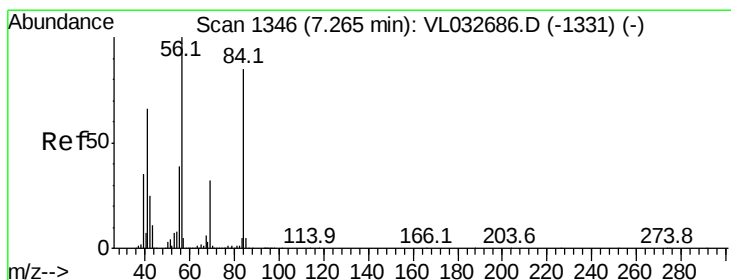
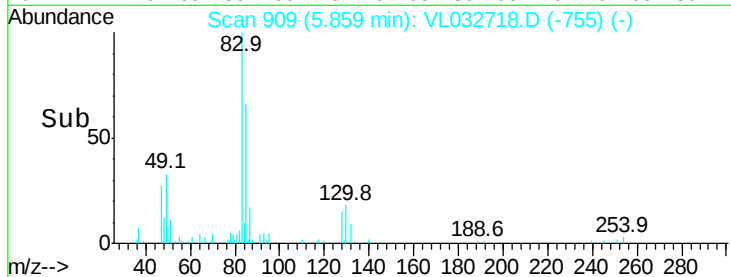
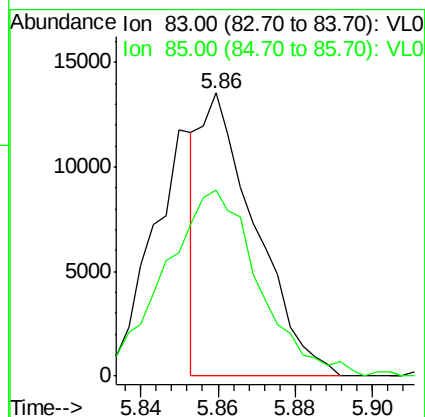
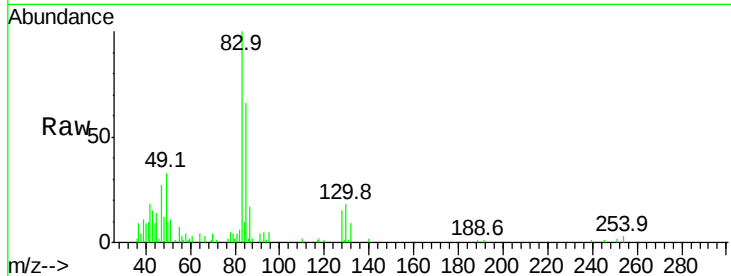




#29
Chloroform
Concen: 0.056 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032718.D
Acq: 7 Nov 2018 15:39

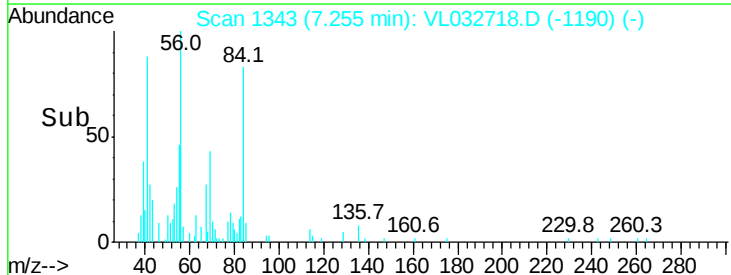
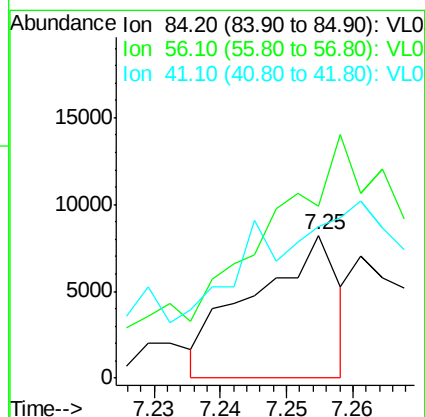
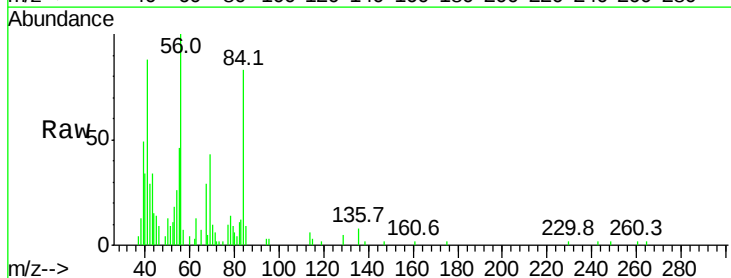
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-110118

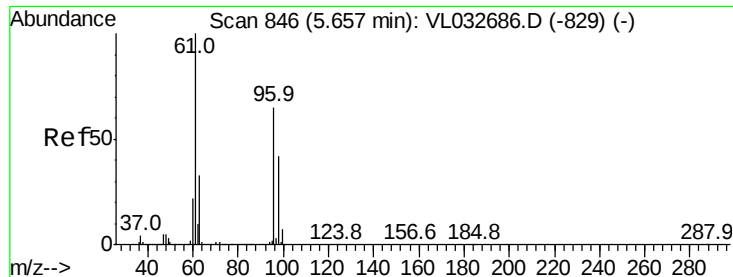
Tgt Ion: 83 Resp: 13436
Ion Ratio Lower Upper
83 100
85 60.6 53.0 79.6



#30
Cyclohexane
Concen: 0.062 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL032718.D
Acq: 7 Nov 2018 15:39

Tgt Ion: 84 Resp: 7356
Ion Ratio Lower Upper
84 100
56 0.0 108.3 162.5#
41 0.0 64.8 97.2#



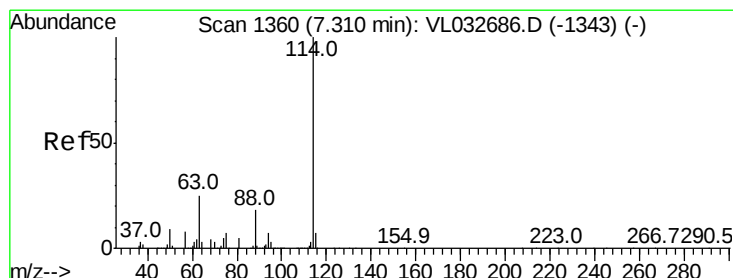
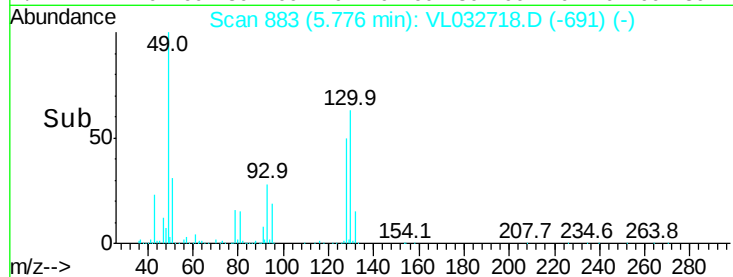
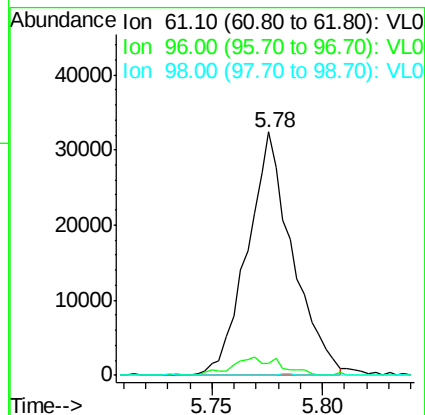
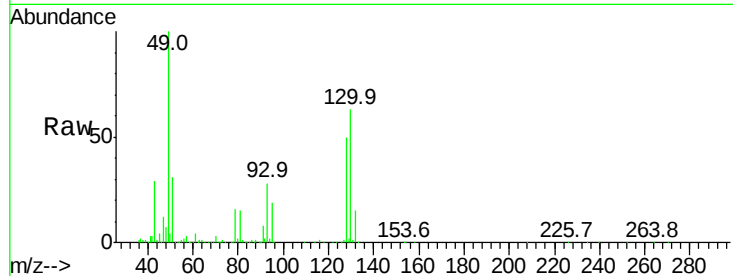


#31

cis-1,2-Dichloroethene
 Concen: 0.329 ppbv
 RT: 5.78 min Scan# 883
 Delta R.T. 0.12 min
 Lab File: VL032718.D
 Acq: 7 Nov 2018 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-110118

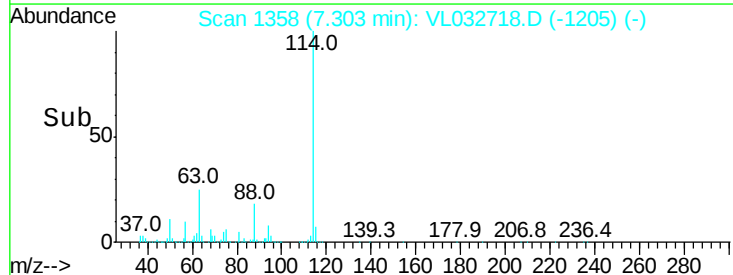
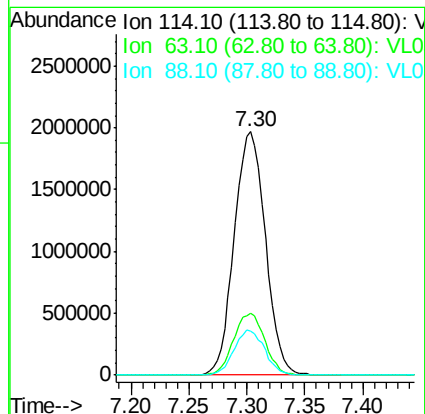
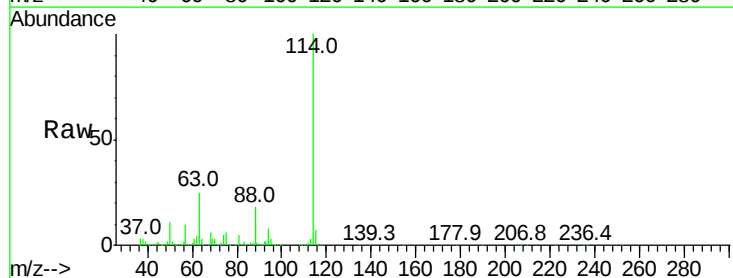
Tgt Ion	Ratio	Lower	Upper
61	100		
96	4.9	51.8	77.6#
98	0.0	33.8	50.6#

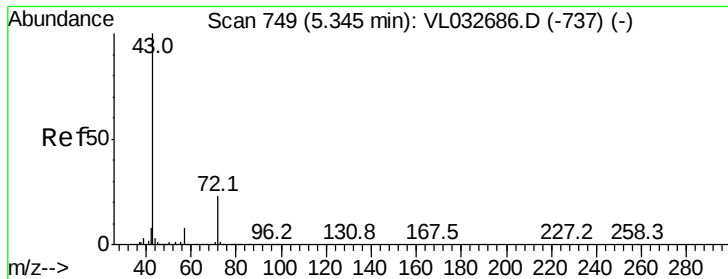


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL032718.D
 Acq: 7 Nov 2018 15:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	21.7	32.5
88	18.2	14.9	22.3





#34

2-Butanone

Concen: 0.645 ppbv

RT: 5.34 min Scan# 749

Delta R.T. 0.01 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

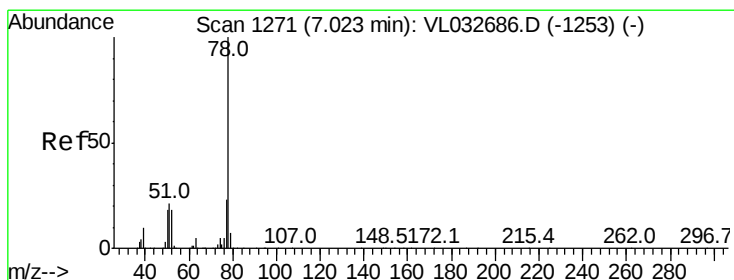
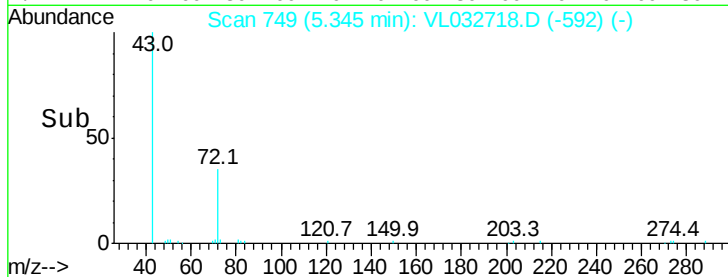
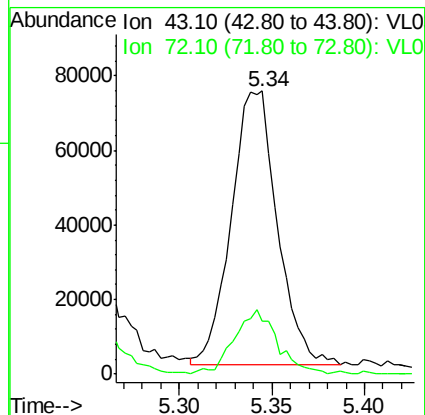
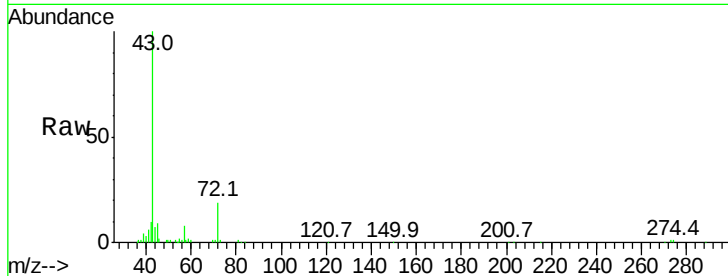
LIHA-IA1-110118

Tgt Ion: 43 Resp: 127390

Ion Ratio Lower Upper

43 100

72 22.6 18.6 27.8



#36

Benzene

Concen: 0.441 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

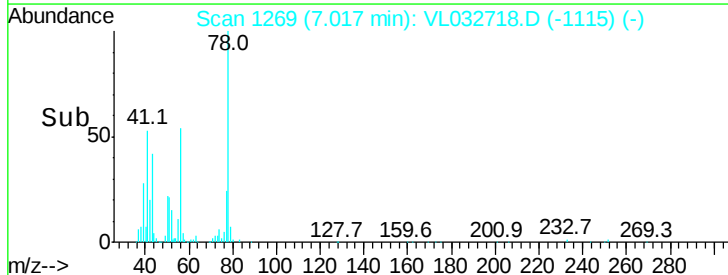
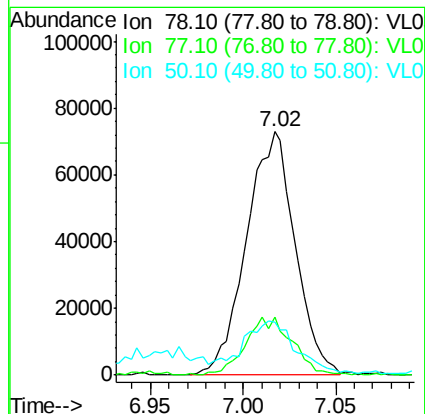
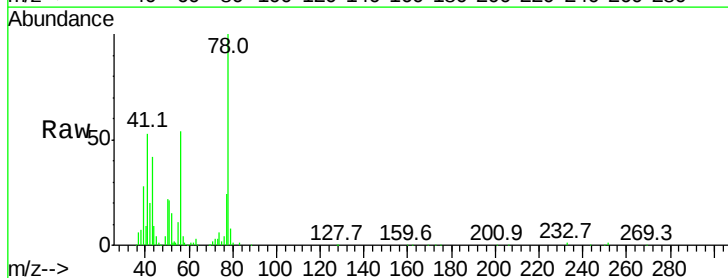
Tgt Ion: 78 Resp: 131754

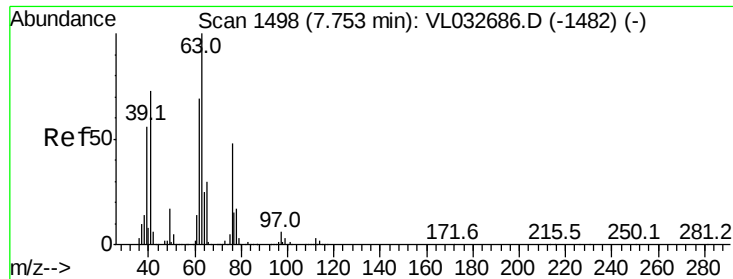
Ion Ratio Lower Upper

78 100

77 23.4 18.1 27.1

50 20.5 15.1 22.7





#39

1,2-Dichloropropane

Concen: 8.046 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-110118

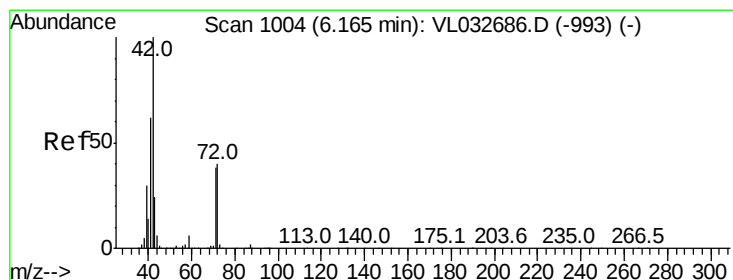
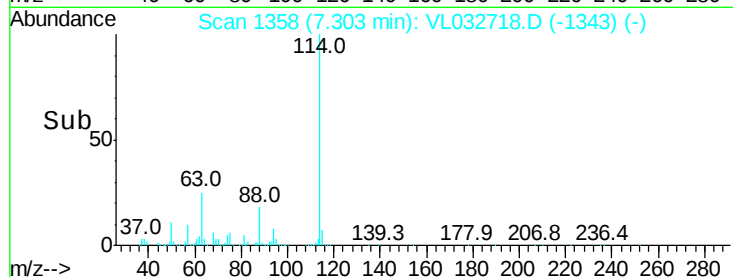
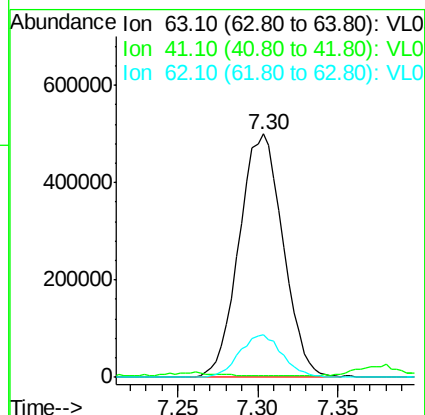
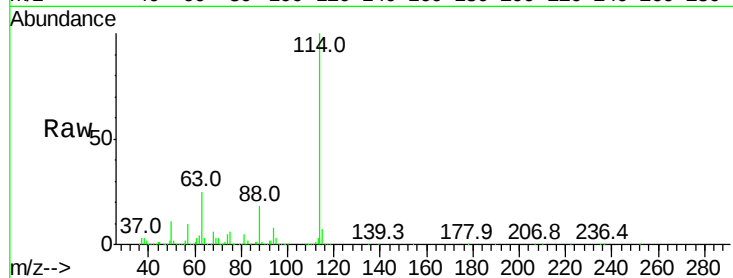
Tgt Ion: 63 Resp: 928894

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

62 17.3 54.4 81.6#



#41

Tetrahydrofuran

Concen: 0.041 ppbv

RT: 6.16 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

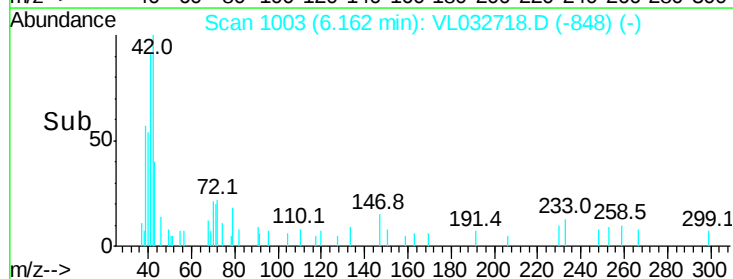
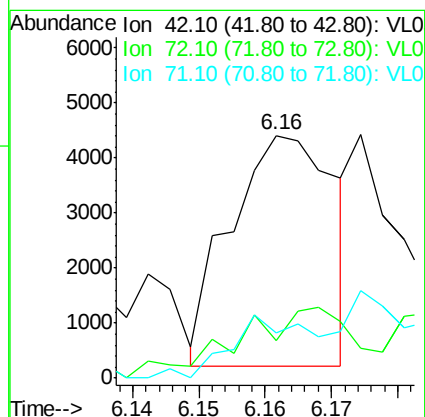
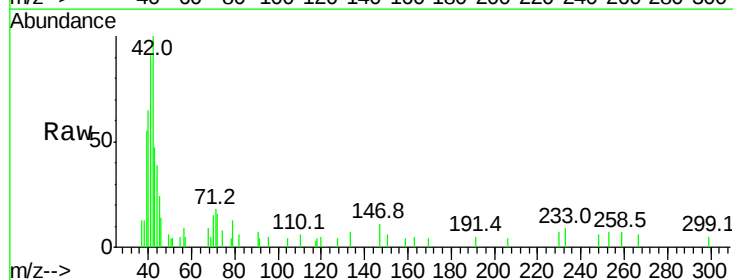
Tgt Ion: 42 Resp: 4561

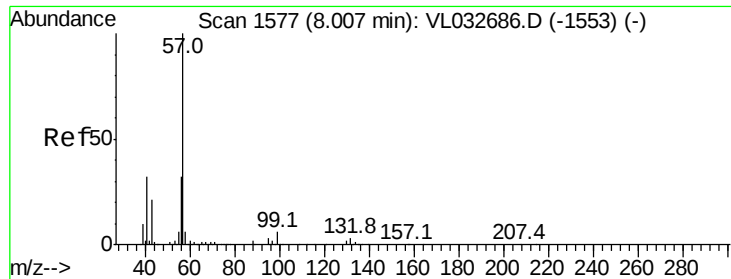
Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 0.0 31.3 46.9#

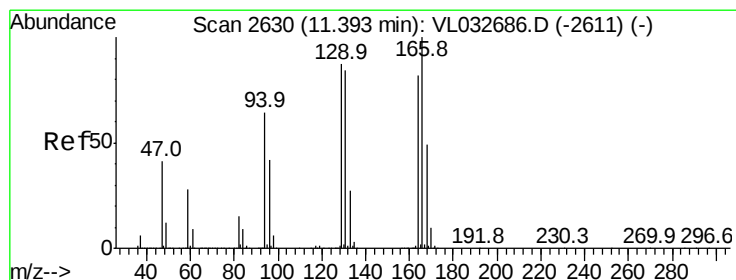
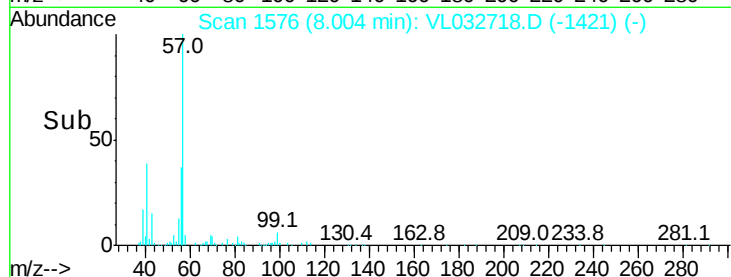
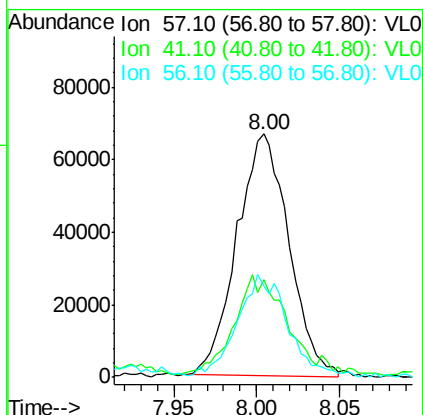
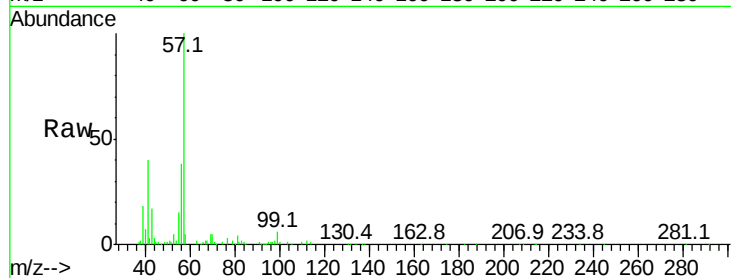




#44
 2,2,4-Trimethylpentane
 Concen: 0.284 ppbv
 RT: 8.00 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VL032718.D
 Acq: 7 Nov 2018 15:39

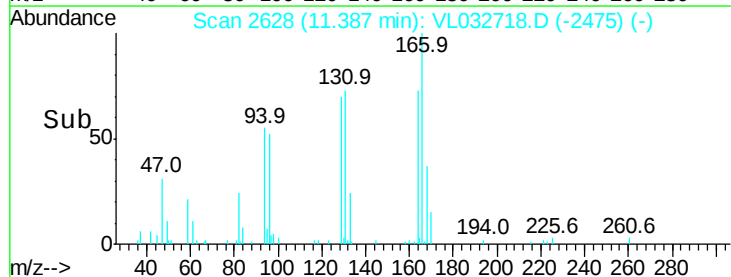
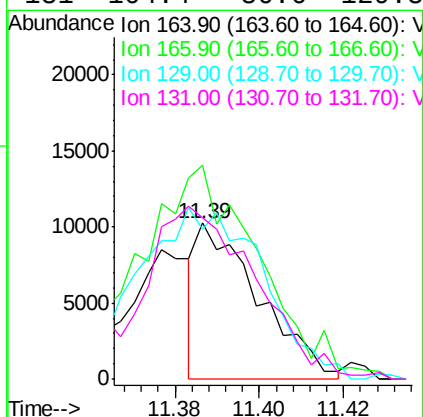
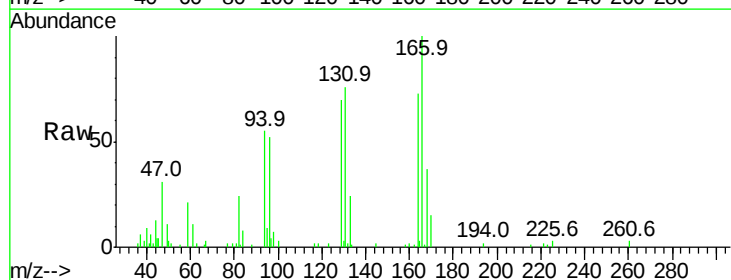
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-110118

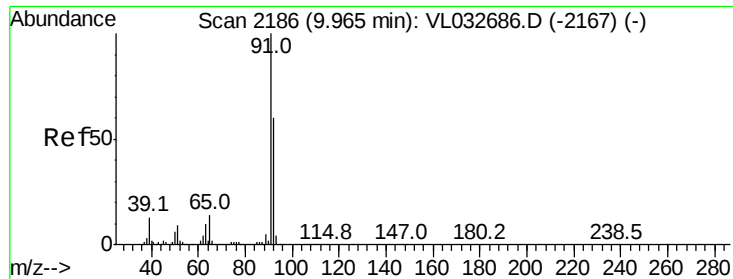
Tgt Ion: 57 Resp: 144842
 Ion Ratio Lower Upper
 57 100
 41 43.3 24.7 37.1#
 56 42.1 25.0 37.4#



#52
 Tetrachloroethene
 Concen: 0.099 ppbv
 RT: 11.39 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: VL032718.D
 Acq: 7 Nov 2018 15:39

Tgt Ion: 164 Resp: 10352
 Ion Ratio Lower Upper
 164 100
 166 136.4 100.5 150.7
 129 90.5 90.0 135.0
 131 104.4 86.6 129.8





#53

Toluene

Concen: 2.002 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

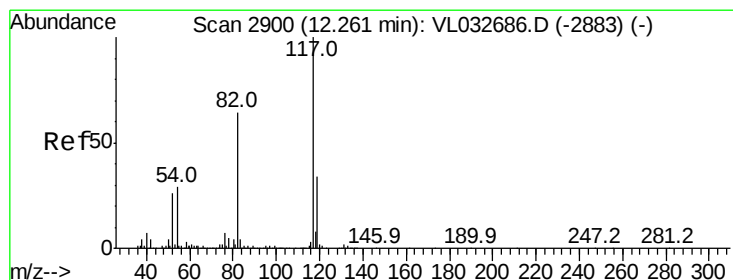
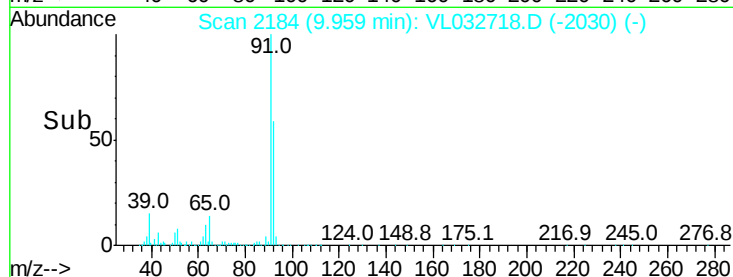
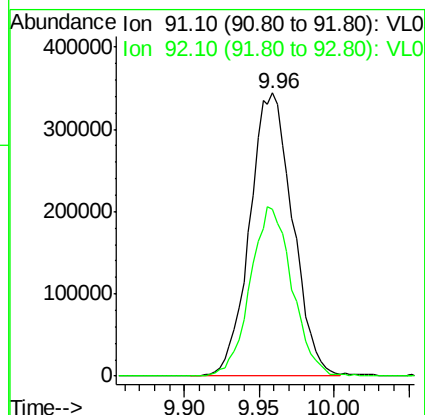
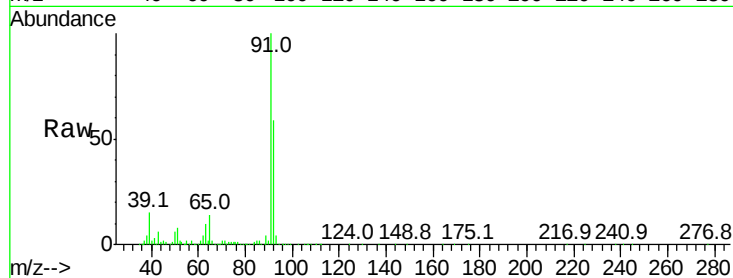
LIHA-IA1-110118

Tgt Ion: 91 Resp: 685999

Ion Ratio Lower Upper

91 100

92 58.8 48.4 72.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

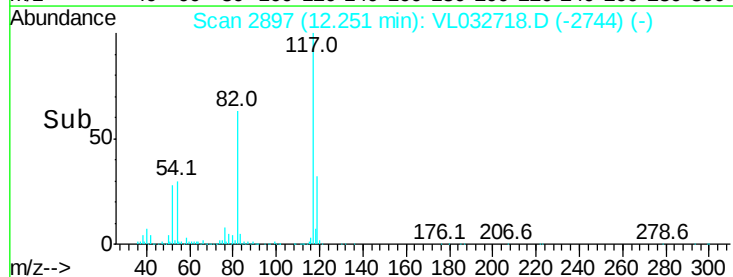
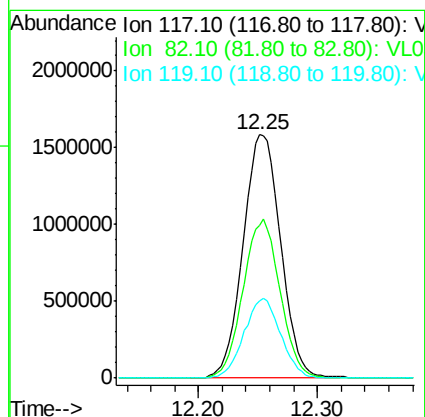
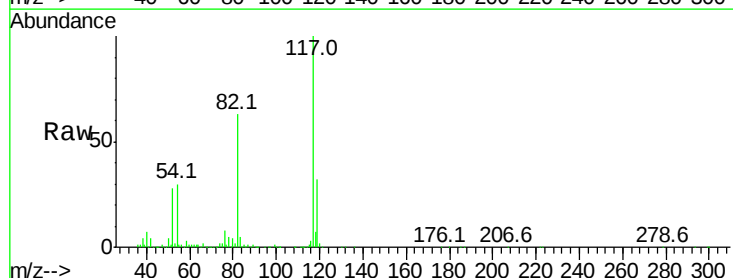
Tgt Ion: 117 Resp: 3467725

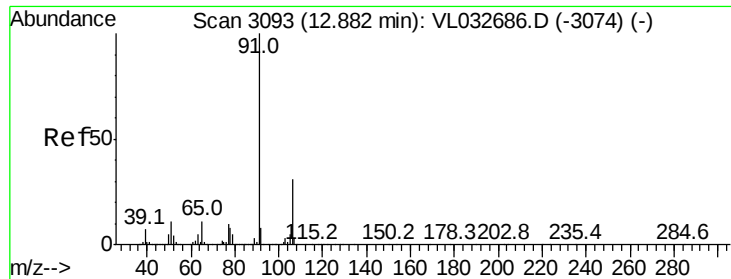
Ion Ratio Lower Upper

117 100

82 64.7 52.7 79.1

119 32.0 26.7 40.1





#58

Ethyl Benzene

Concen: 0.100 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

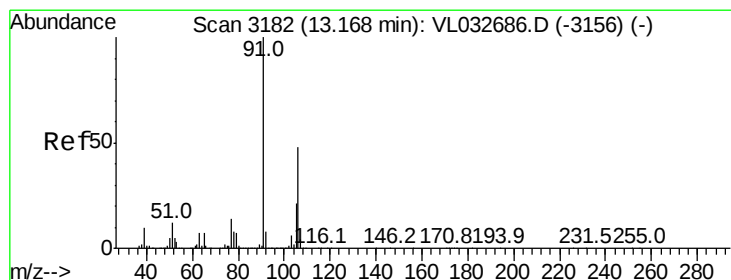
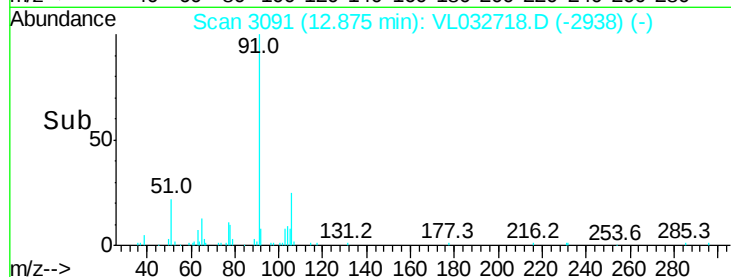
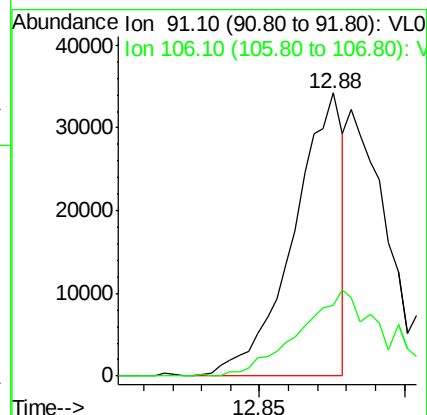
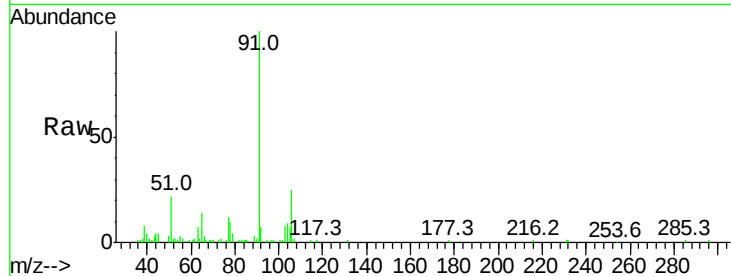
LIHA-IA1-110118

Tgt Ion: 91 Resp: 40399

Ion Ratio Lower Upper

91 100

106 24.2 24.2 36.2



#59

m/p-Xylene

Concen: 0.141 ppbv

RT: 13.16 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL032718.D

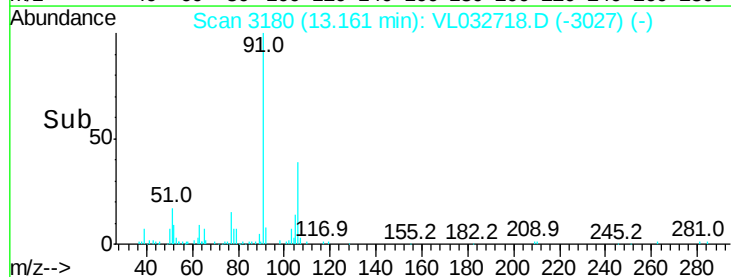
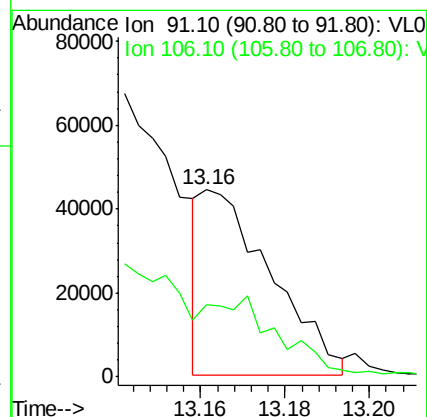
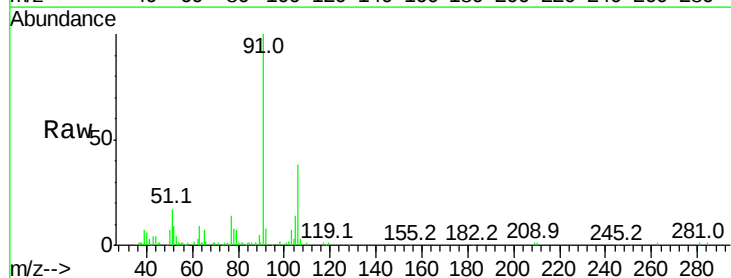
Acq: 7 Nov 2018 15:39

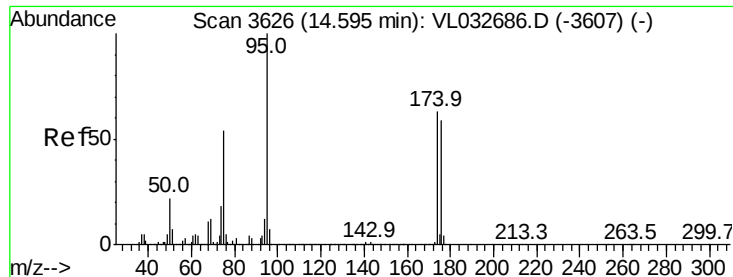
Tgt Ion: 91 Resp: 50681

Ion Ratio Lower Upper

91 100

106 0.0 35.9 53.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.107 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-110118

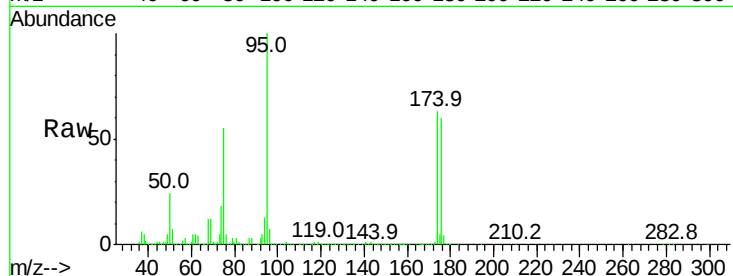
Tgt Ion: 95 Resp: 2609634

Ion Ratio Lower Upper

95 100

174 64.4 46.0 69.0

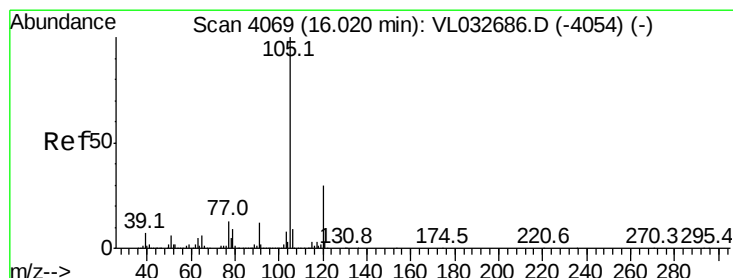
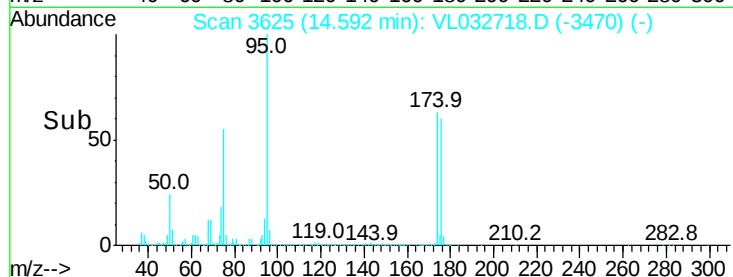
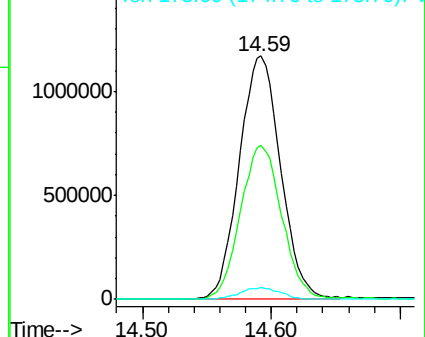
175 4.8 3.4 5.0



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



#72

4-Ethyltoluene

Concen: 0.071 ppbv

RT: 16.01 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Tgt Ion: 105 Resp: 26032

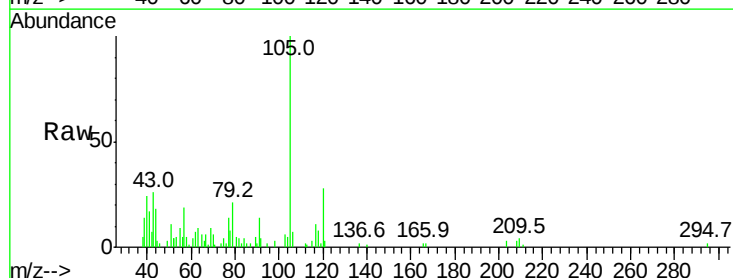
Ion Ratio Lower Upper

105 100

120 32.6 23.7 35.5

91 22.5 10.4 15.6#

77 20.8 11.4 17.2#

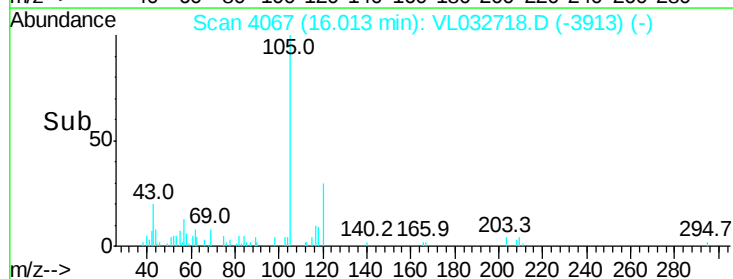
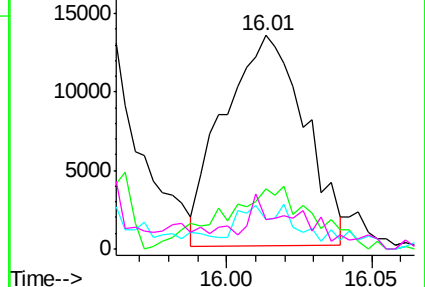


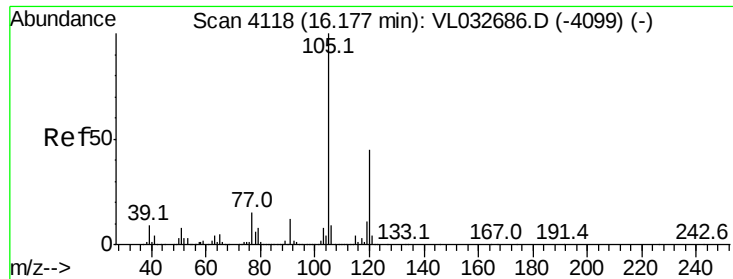
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.049 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

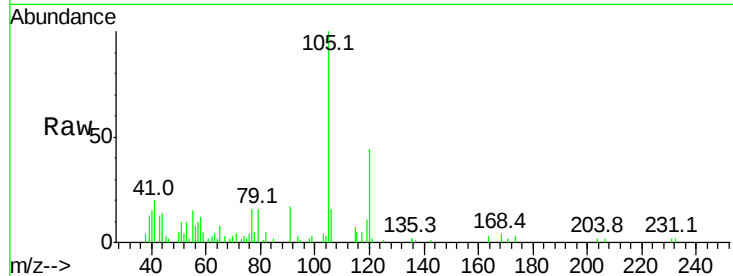
LIHA-IA1-110118

Tgt Ion:105 Resp: 17492

Ion Ratio Lower Upper

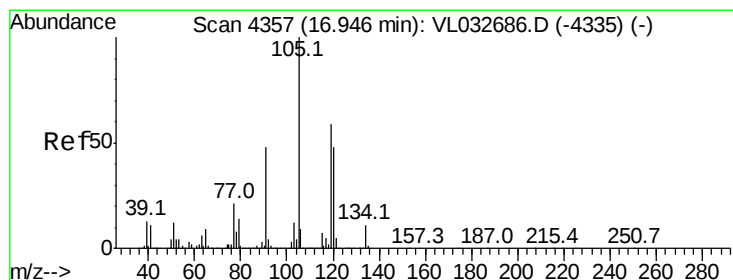
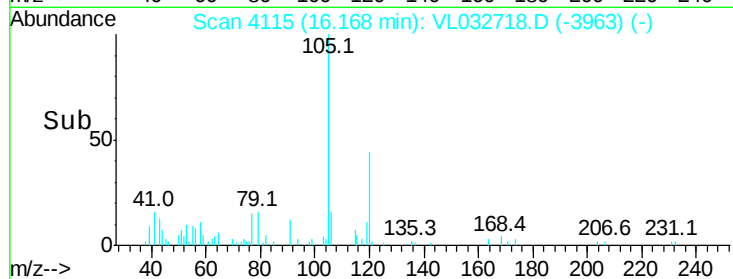
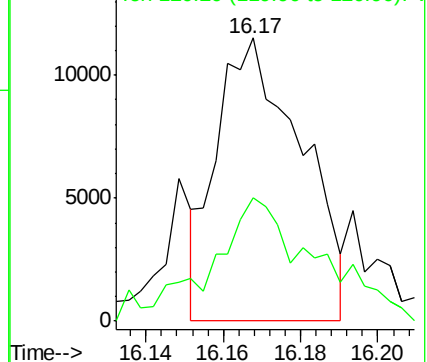
105 100

120 37.3 35.4 53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.194 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Tgt Ion:105 Resp: 74205

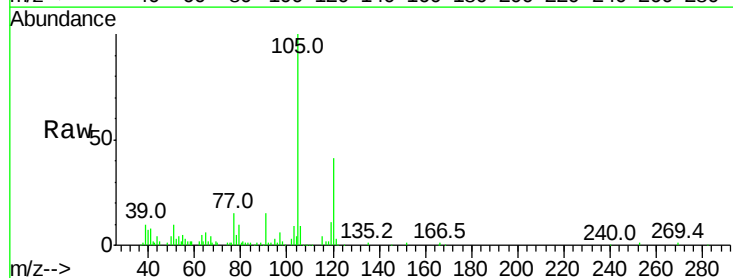
Ion Ratio Lower Upper

105 100

120 39.5 35.8 53.8

91 13.0 33.2 49.8#

77 14.7 16.2 24.4#

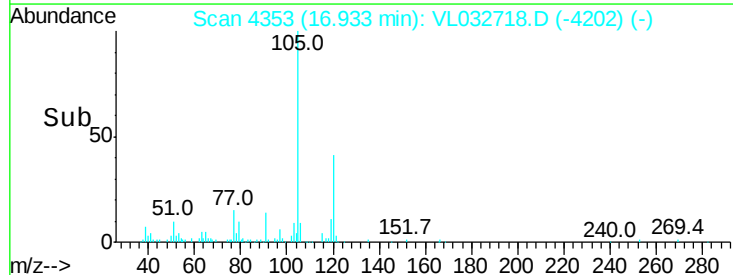
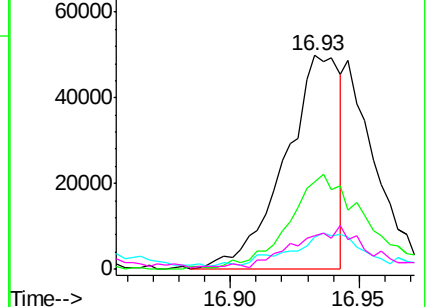


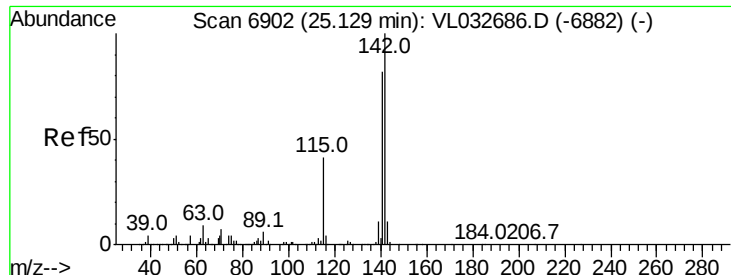
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#80

Naphthalene, 2-methyl-

Concen: 0.060 ppbv

RT: 25.13 min Scan# 6902

Delta R.T. 0.00 min

Lab File: VL032718.D

Acq: 7 Nov 2018 15:39

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-110118

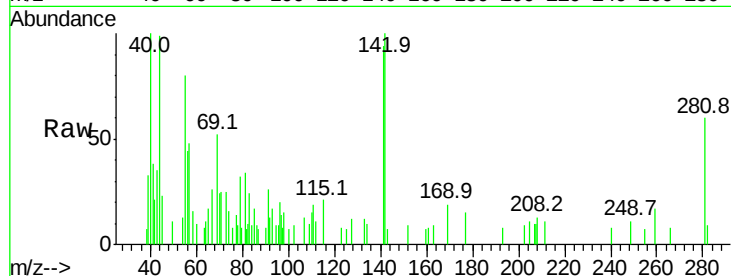
Tgt Ion:142 Resp: 3503

Ion Ratio Lower Upper

142 100

141 123.2 67.5 101.3#

115 49.2 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

