

Data File : VL032719.D
Acq On : 7 Nov 2018 16:18
Operator : SY/AP
Sample : J5809-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-110118DL

Quant Time: Nov 08 10:52:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1552558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3876942	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3742509	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.59 95 2869414 10.30 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 103.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	9277	0.059	ppbv	90
4) Chloromethane	3.18	50	3194	0.047	ppbv #	87
9) Propene	3.25	41	66266	1.326	ppbv	100
13) Ethanol	3.66	45	3224420	225.780	ppbv	98
15) Acetone	3.91	43	394337	2.751	ppbv	90
16) 1,3-Butadiene	3.35	39	3356	0.064	ppbv #	10
17) tert-Butyl alcohol	4.38	59	17467	0.414	ppbv #	100
19) Isopropyl Alcohol	4.04	45	80226	0.786	ppbv #	96
20) Methylene Chloride	4.42	84	20487	0.282	ppbv	93
25) Ethyl Acetate	5.78	43	39923	0.121	ppbv #	91
26) Hexane	5.79	57	12950	0.083	ppbv #	45
34) 2-Butanone	5.35	43	16680	0.080	ppbv	95
39) 1,2-Dichloropropane	7.30	63	991703	8.157	ppbv #	26
53) Toluene	9.96	91	35001	0.097	ppbv	92

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

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Operator : SY/AP

Sample : J5809-02DL 10X

Misc : 400ml/MSV0A_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-110118DL

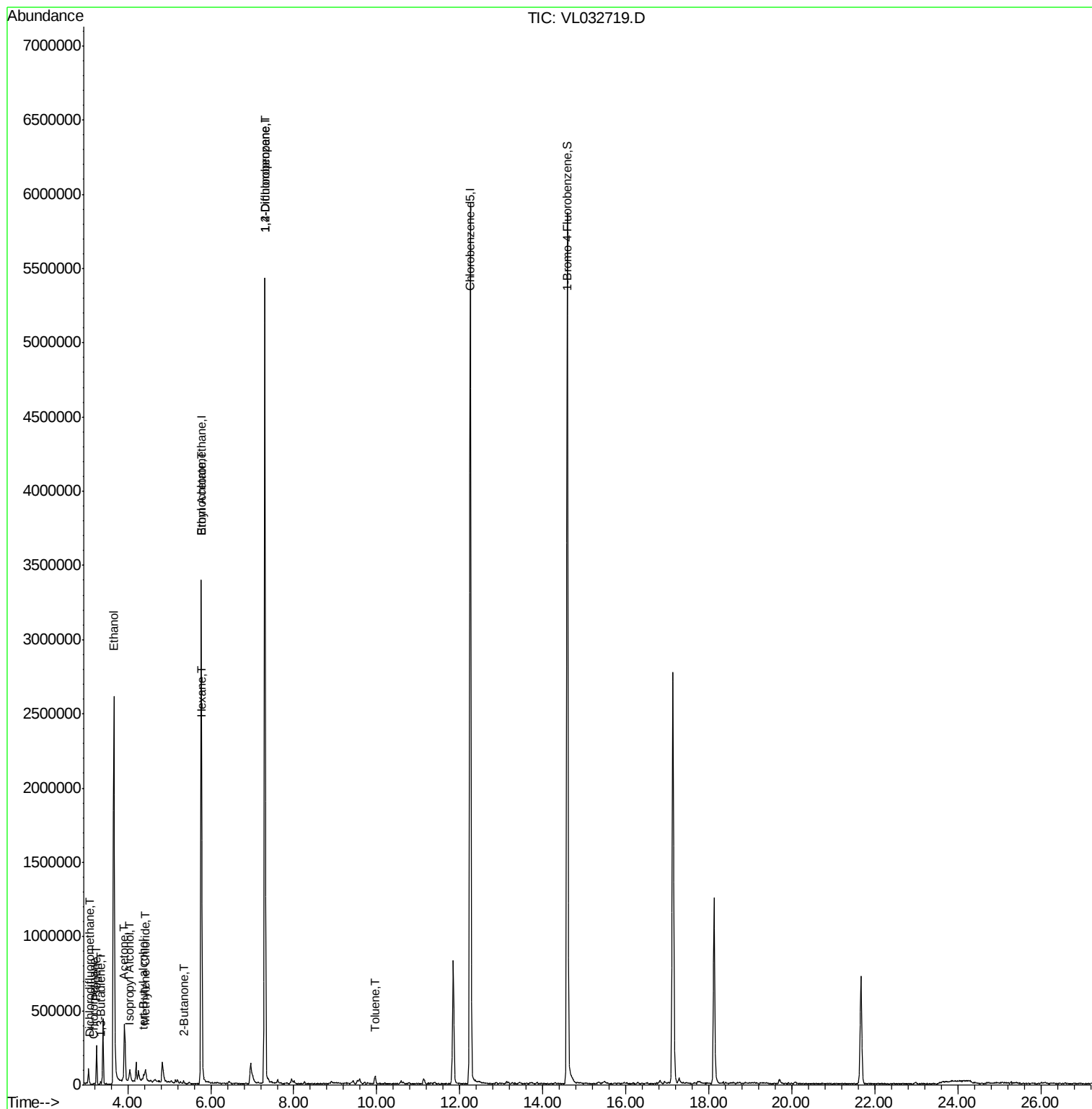
Quant Time: Nov 08 10:52:34 2018

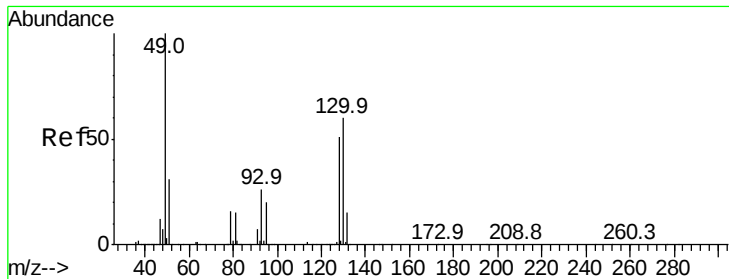
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL101818AIR.M

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# 882

Delta R.T. -0.01 min

Lab File: VL032719.D

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Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-110118DL

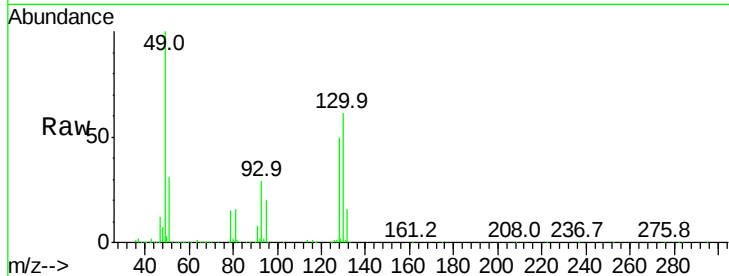
Tgt Ion: 49 Resp: 1552558

Ion Ratio Lower Upper

49 100

128 50.0 22.3 66.8

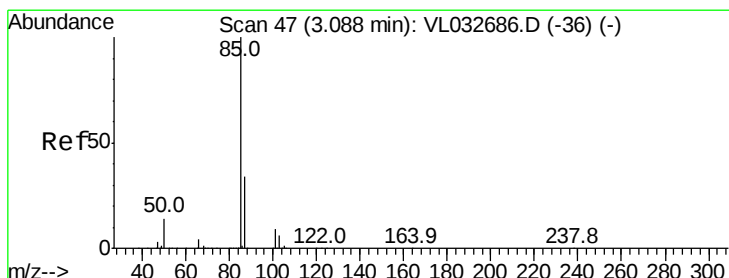
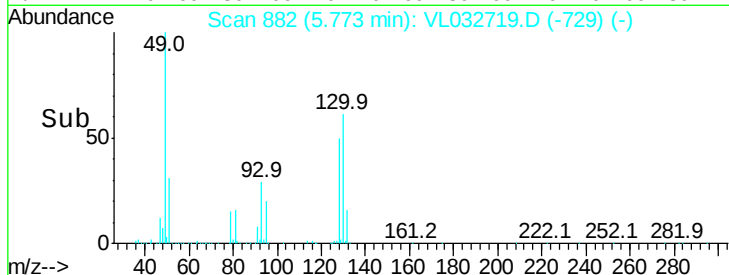
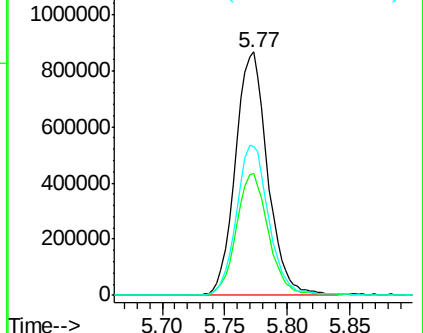
130 62.4 28.4 85.3



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: 0.059 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032719.D

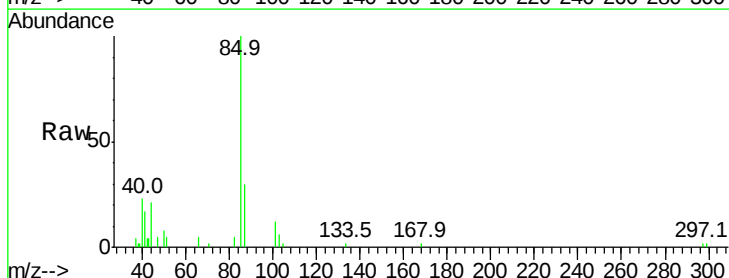
Acq: 7 Nov 2018 16:18

Tgt Ion: 85 Resp: 9277

Ion Ratio Lower Upper

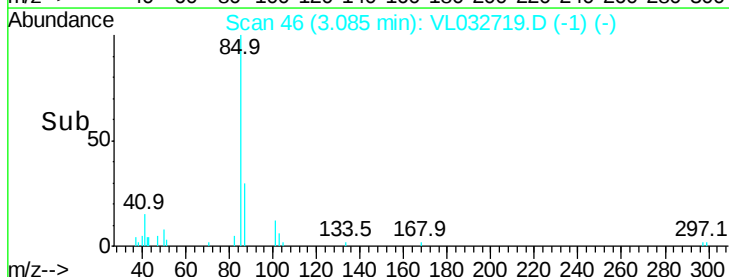
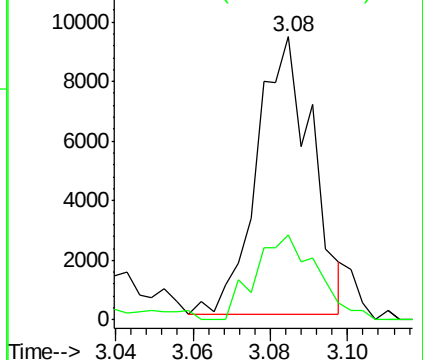
85 100

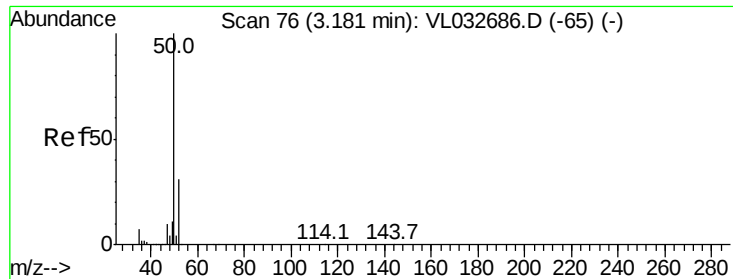
87 27.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.047 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL032719.D

Acq: 7 Nov 2018 16:18

Instrument :

MSVOA_L

ClientSampleId :

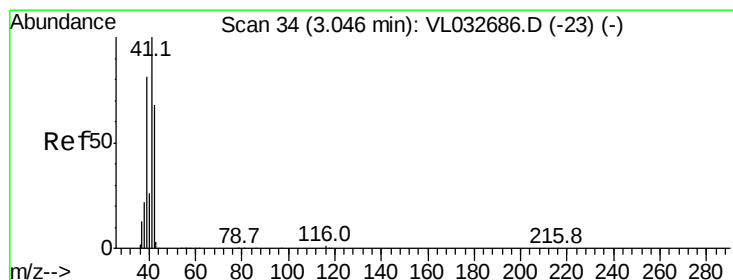
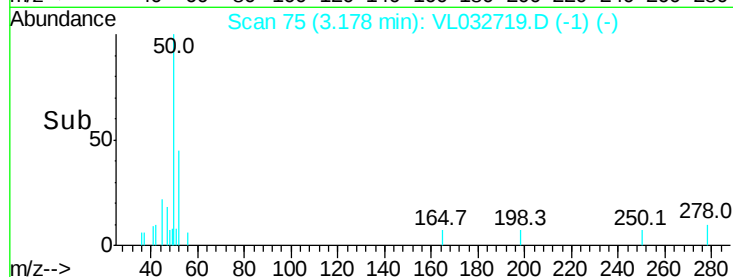
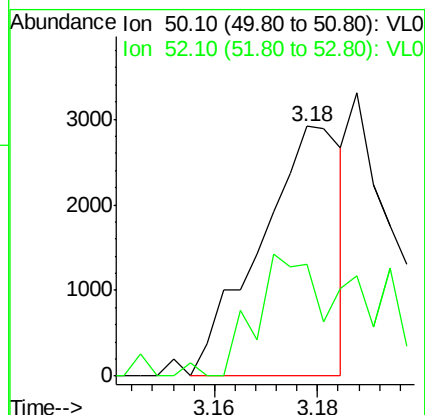
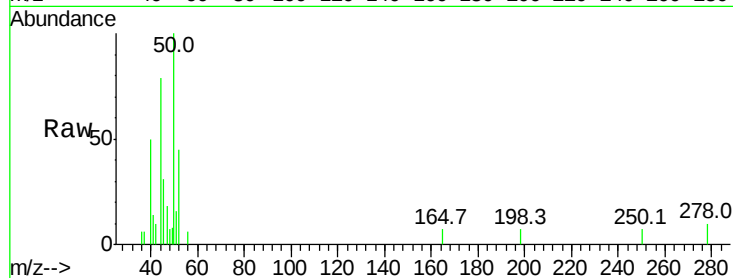
LIHA-IA1-110118DL

Tgt Ion: 50 Resp: 3194

Ion Ratio Lower Upper

50 100

52 39.5 25.9 38.9#



#9

Propene

Concen: 1.326 ppbv

RT: 3.25 min Scan# 97

Delta R.T. 0.21 min

Lab File: VL032719.D

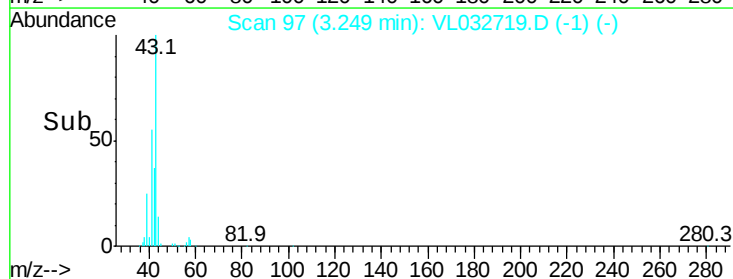
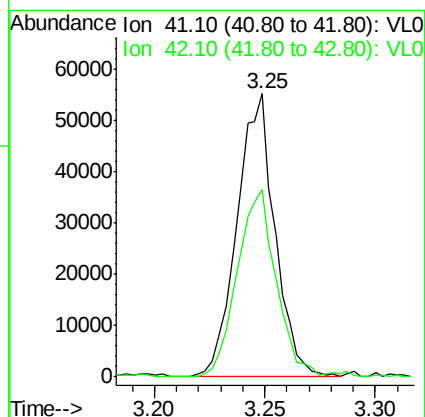
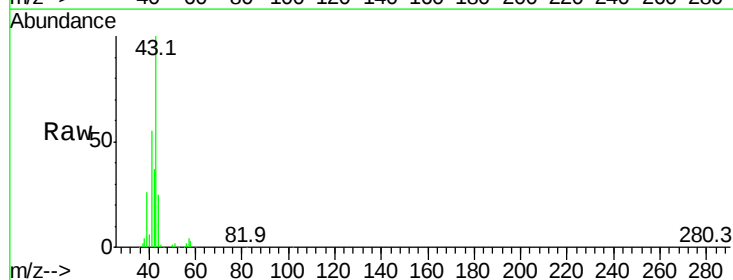
Acq: 7 Nov 2018 16:18

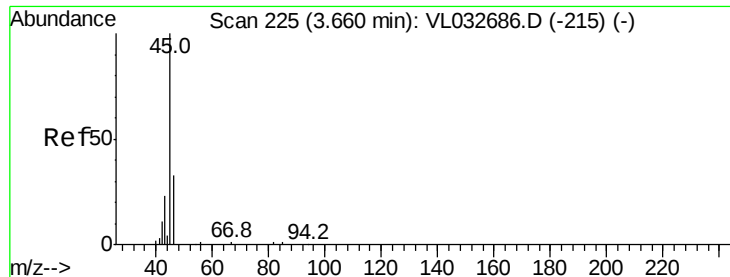
Tgt Ion: 41 Resp: 66266

Ion Ratio Lower Upper

41 100

42 69.0 55.4 83.0





#13

Ethanol

Concen: 225.780 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL032719.D

Acq: 7 Nov 2018 16:18

Instrument :

MSVOA_L

ClientSampleId :

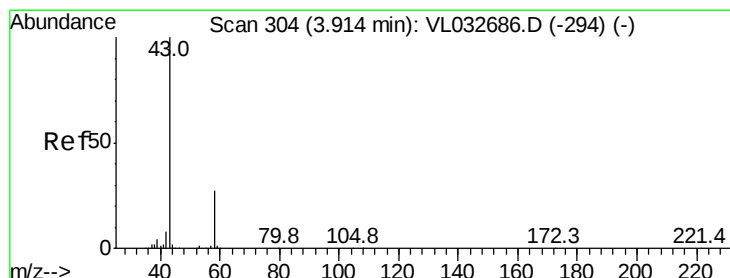
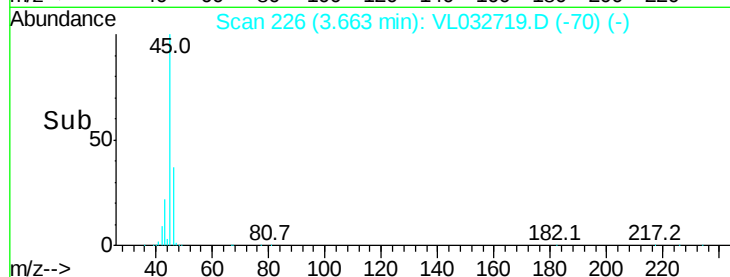
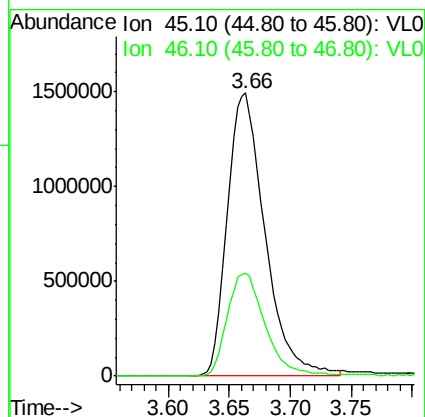
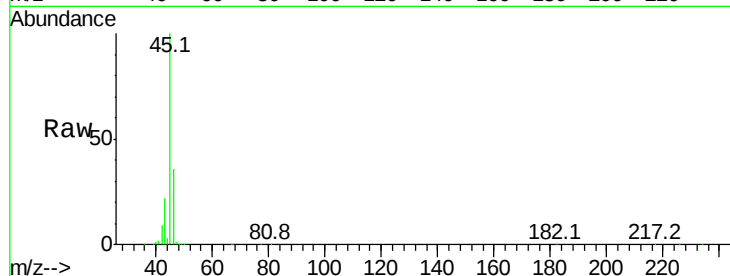
LIHA-IA1-110118DL

Tgt Ion: 45 Resp: 3224420

Ion Ratio Lower Upper

45 100

46 37.2 15.4 61.8



#15

Acetone

Concen: 2.751 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.00 min

Lab File: VL032719.D

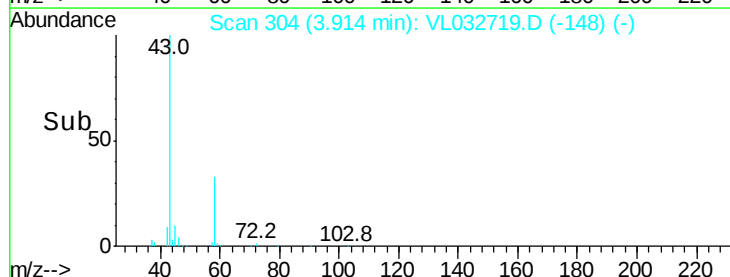
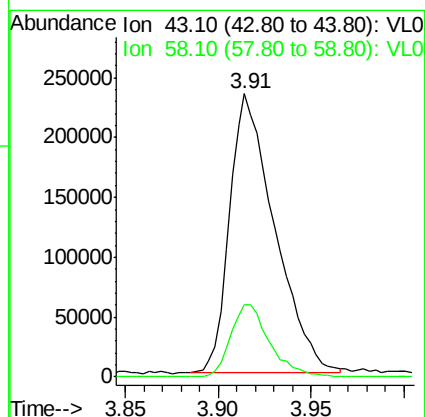
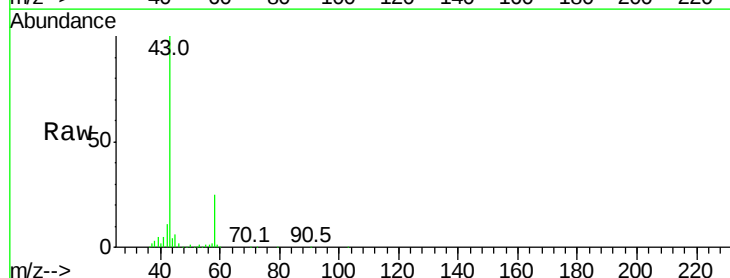
Acq: 7 Nov 2018 16:18

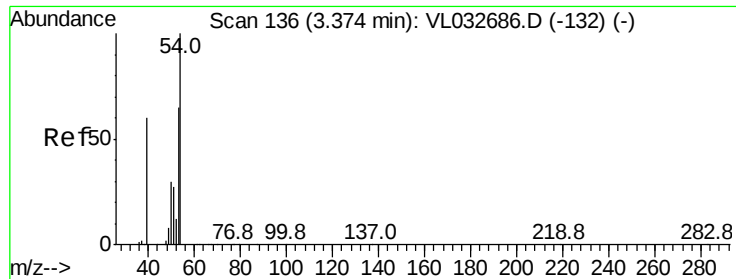
Tgt Ion: 43 Resp: 394337

Ion Ratio Lower Upper

43 100

58 22.6 22.1 33.1





#16

1,3-Butadiene

Concen: 0.064 ppbv

RT: 3.35 min Scan# 128

Delta R.T. -0.03 min

Lab File: VL032719.D

Acq: 7 Nov 2018 16:18

Instrument :

MSVOA_L

ClientSampleId :

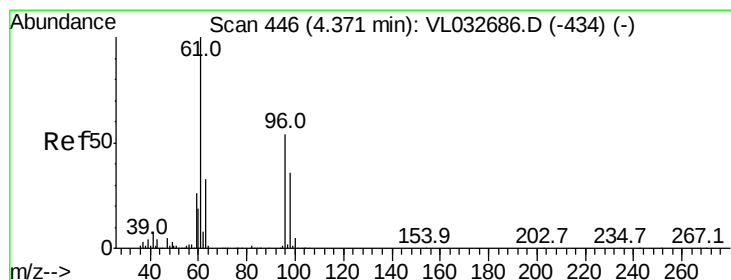
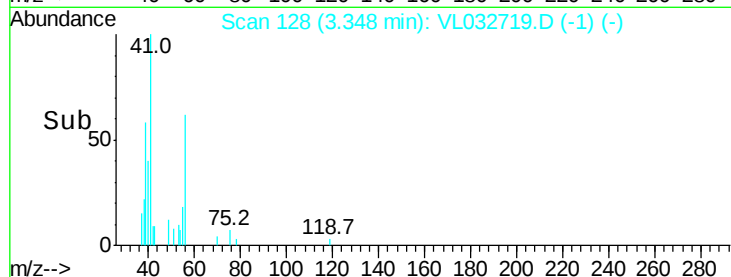
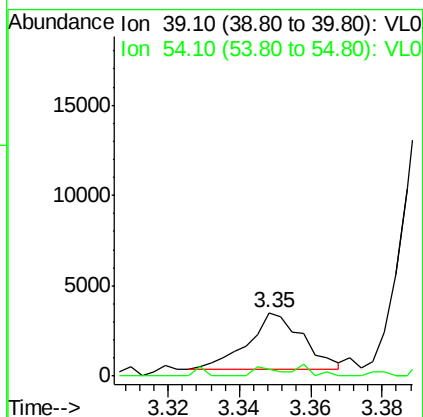
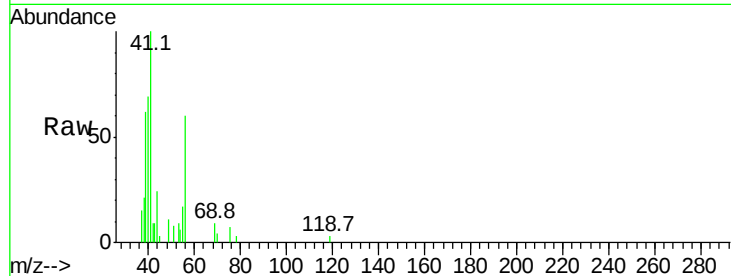
LIHA-IA1-110118DL

Tgt Ion: 39 Resp: 3356

Ion Ratio Lower Upper

39 100

54 16.0 90.4 135.6#



#17

tert-Butyl alcohol

Concen: 0.414 ppbv

RT: 4.38 min Scan# 450

Delta R.T. 0.01 min

Lab File: VL032719.D

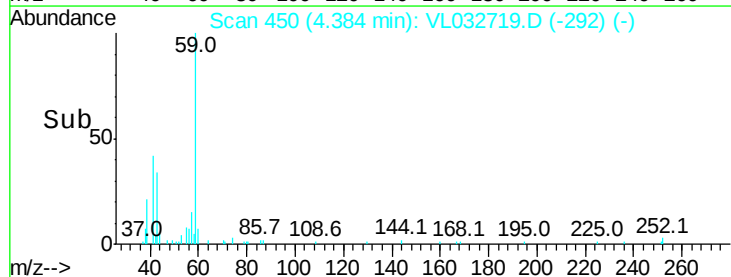
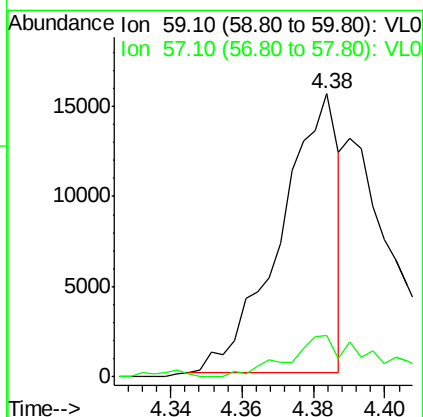
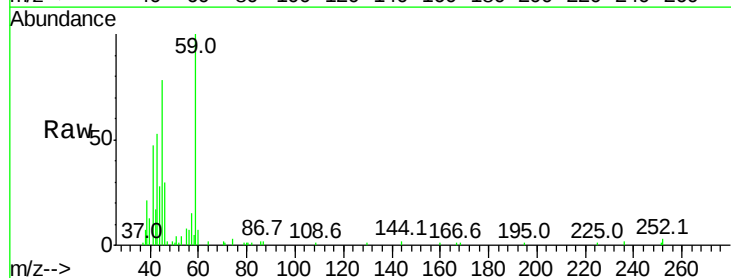
Acq: 7 Nov 2018 16:18

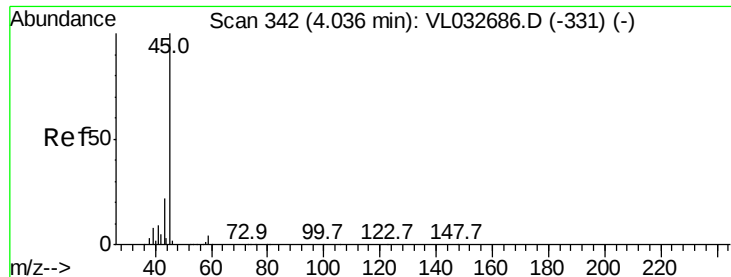
Tgt Ion: 59 Resp: 17467

Ion Ratio Lower Upper

59 100

57 24.3 0.0 0.0#





#19

Isopropyl Alcohol

Concen: 0.786 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.01 min

Lab File: VL032719.D

Acq: 7 Nov 2018 16:18

Instrument :

MSVOA_L

ClientSampleId :

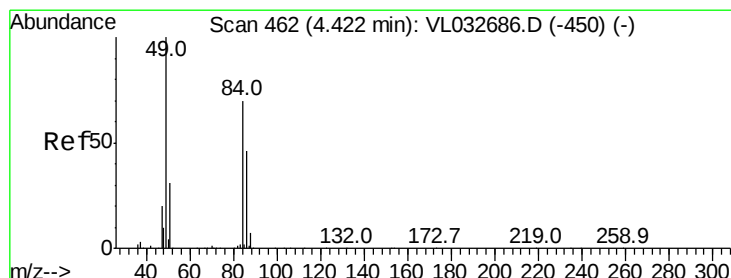
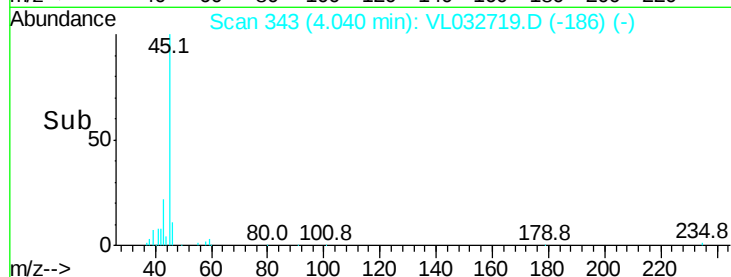
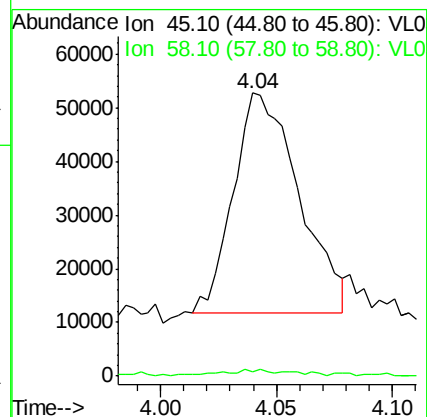
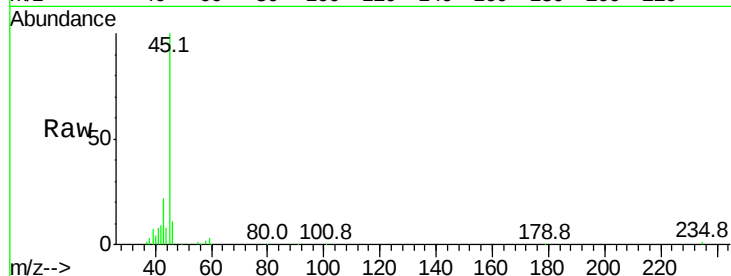
LIHA-IA1-110118DL

Tgt Ion: 45 Resp: 80226

Ion Ratio Lower Upper

45 100

58 3.7 2.0 3.0#



#20

Methylene Chloride

Concen: 0.282 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032719.D

Acq: 7 Nov 2018 16:18

Tgt Ion: 84 Resp: 20487

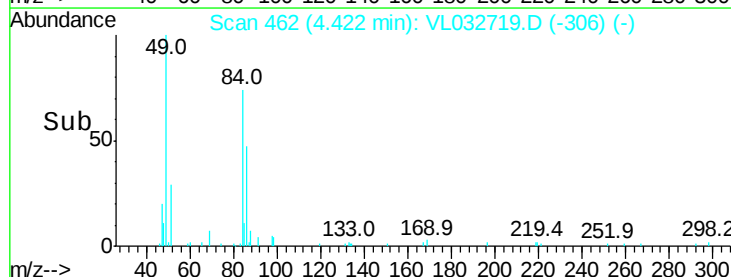
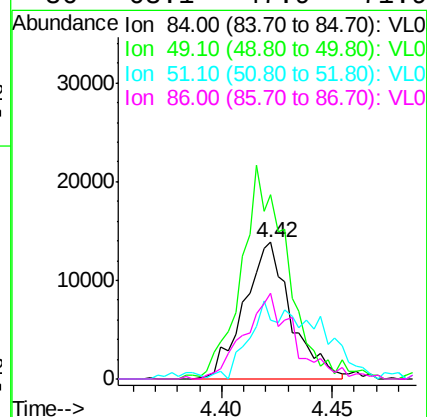
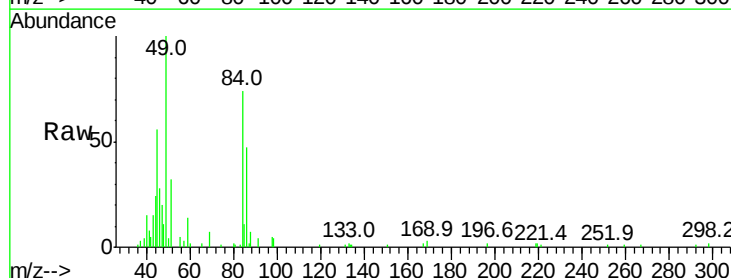
Ion Ratio Lower Upper

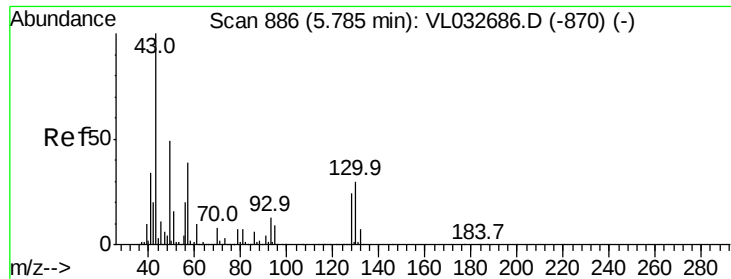
84 100

49 132.7 113.5 170.3

51 38.2 34.8 52.2

86 63.1 47.9 71.9





#25

Ethyl Acetate

Concen: 0.121 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032719.D

Acq: 7 Nov 2018 16:18

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-110118DL

Tgt Ion: 43 Resp: 39923

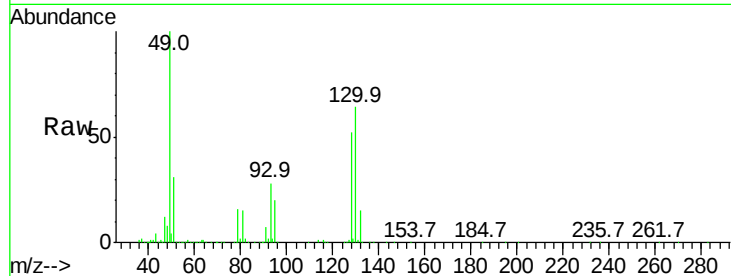
Ion Ratio Lower Upper

43 100

45 14.4 8.0 12.0#

61 12.1 8.0 12.0#

70 10.4 5.9 8.9#

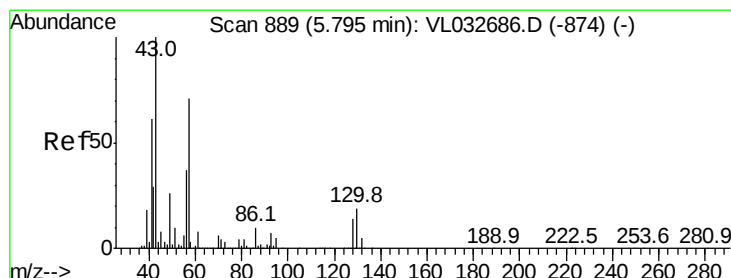
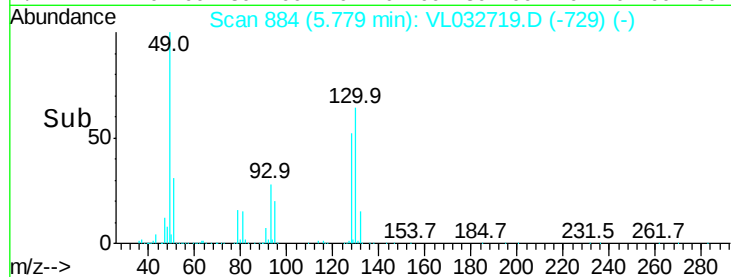
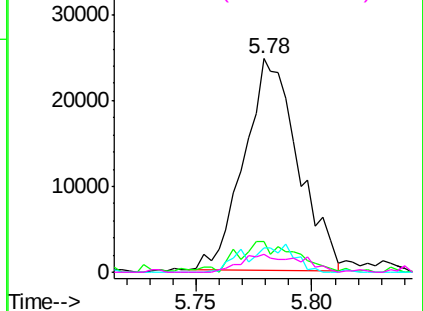


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.083 ppbv

RT: 5.79 min Scan# 888

Delta R.T. -0.00 min

Lab File: VL032719.D

Acq: 7 Nov 2018 16:18

Tgt Ion: 57 Resp: 12950

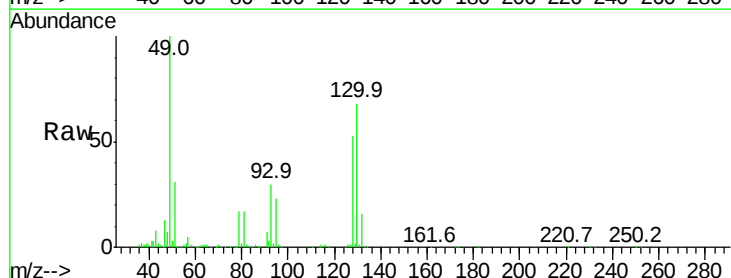
Ion Ratio Lower Upper

57 100

41 107.3 67.4 101.0#

43 333.3 171.9 257.9#

56 69.9 42.6 63.8#

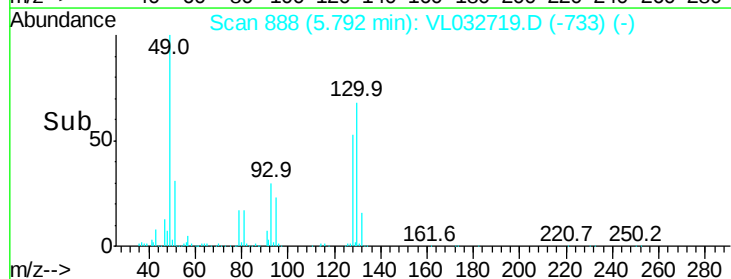
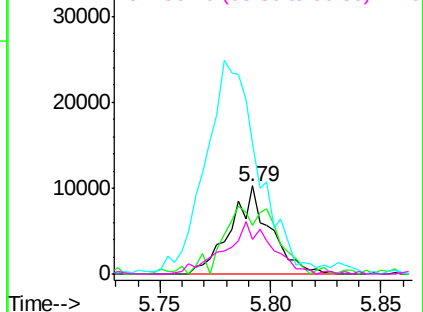


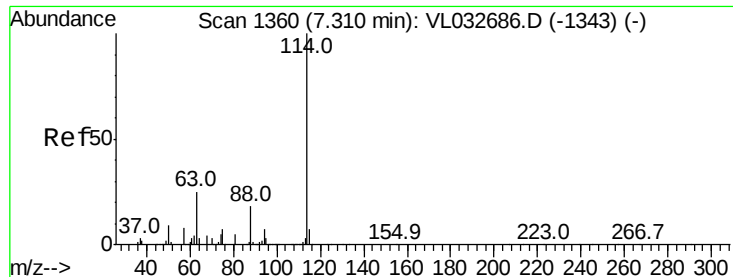
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

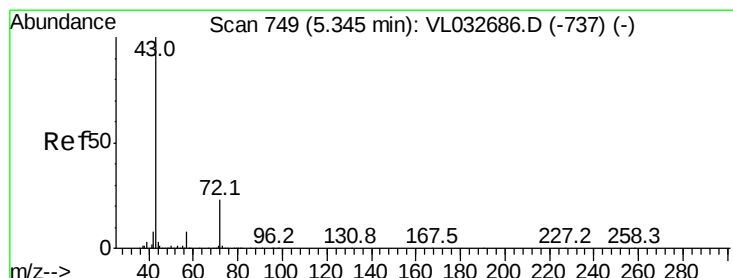
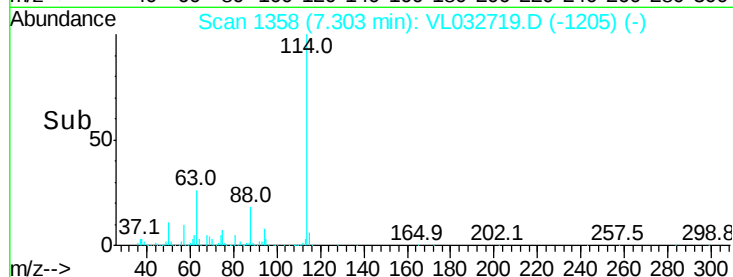
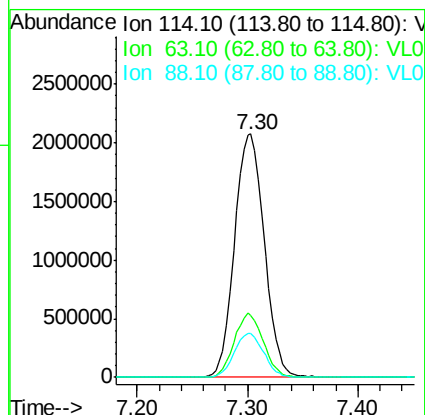
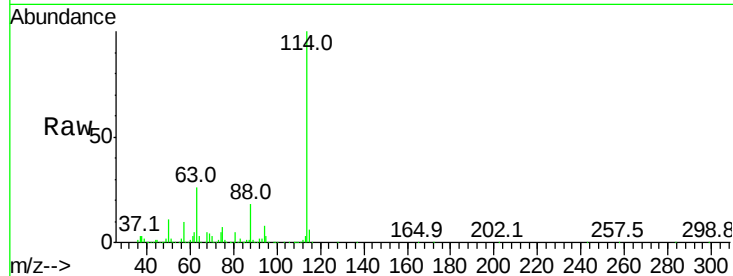




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL032719.D
 Acq: 7 Nov 2018 16:18

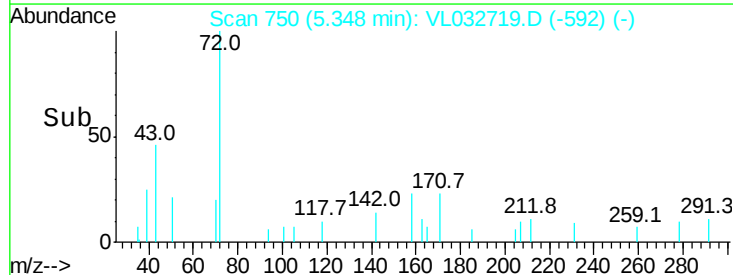
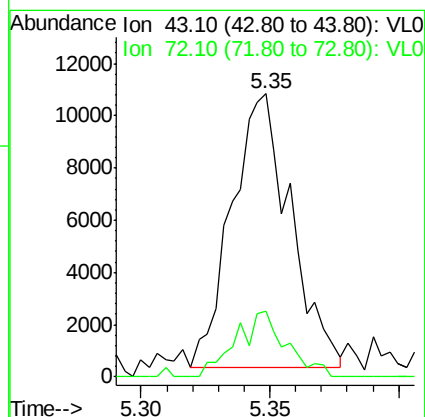
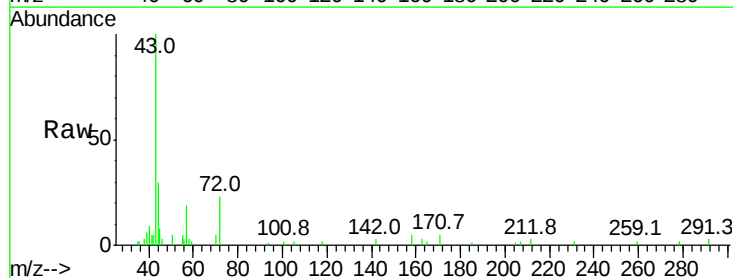
Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA1-110118DL

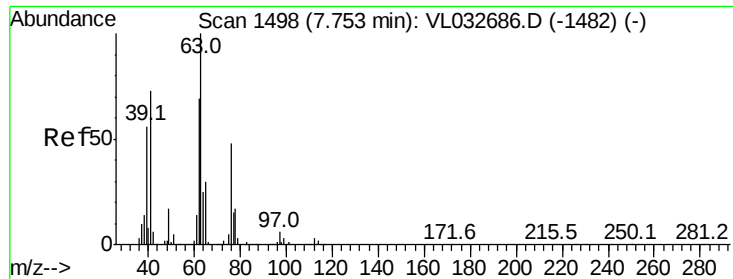
Tgt Ion:114 Resp: 3876942
 Ion Ratio Lower Upper
 114 100
 63 25.8 21.7 32.5
 88 18.0 14.9 22.3



#34
 2-Butanone
 Concen: 0.080 ppbv
 RT: 5.35 min Scan# 750
 Delta R.T. 0.01 min
 Lab File: VL032719.D
 Acq: 7 Nov 2018 16:18

Tgt Ion: 43 Resp: 16680
 Ion Ratio Lower Upper
 43 100
 72 20.9 18.6 27.8





#39

1,2-Dichloropropane

Concen: 8.157 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.45 min

Lab File: VL032719.D

Acq: 7 Nov 2018 16:18

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA1-110118DL

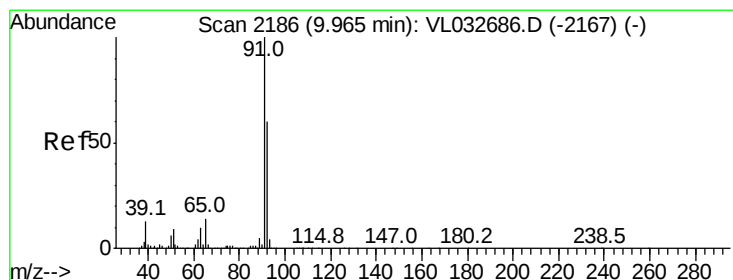
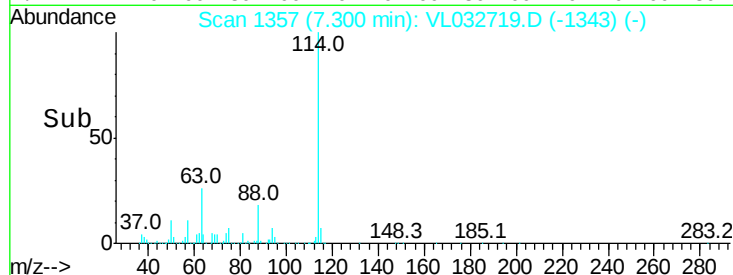
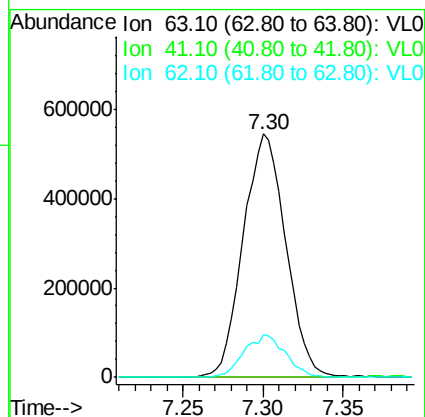
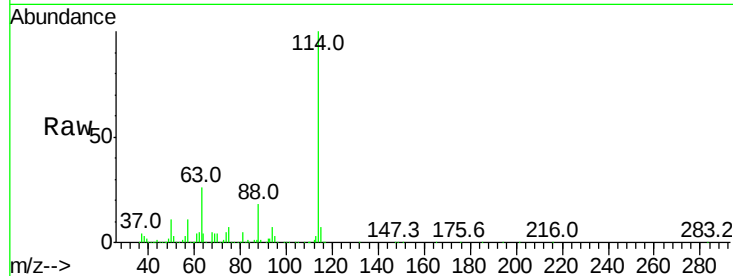
Tgt Ion: 63 Resp: 991703

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

62 17.3 54.4 81.6#



#53

Toluene

Concen: 0.097 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL032719.D

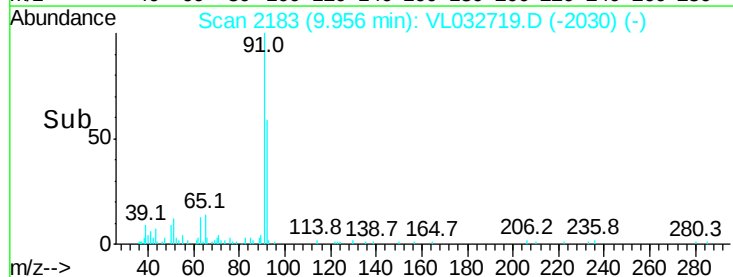
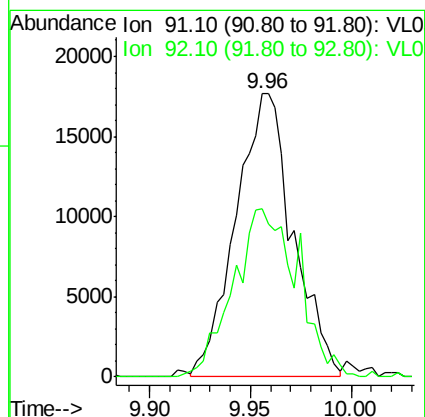
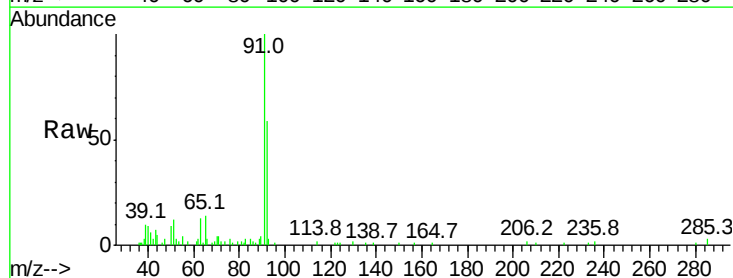
Acq: 7 Nov 2018 16:18

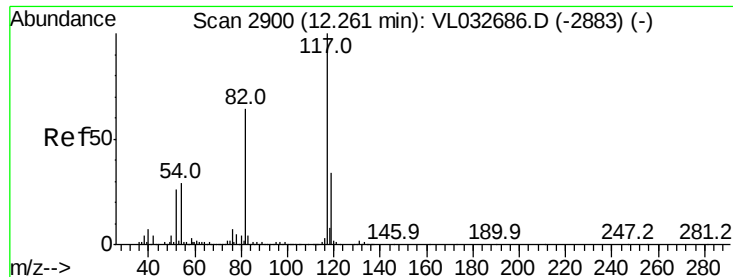
Tgt Ion: 91 Resp: 35001

Ion Ratio Lower Upper

91 100

92 66.9 48.4 72.6

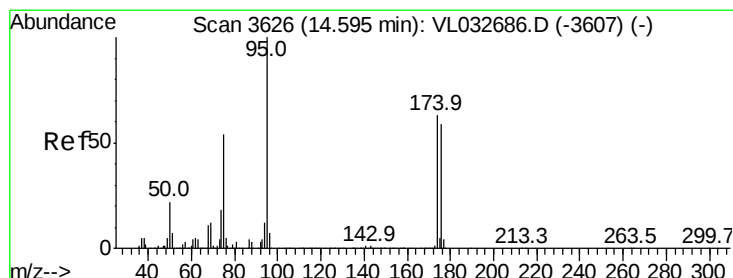
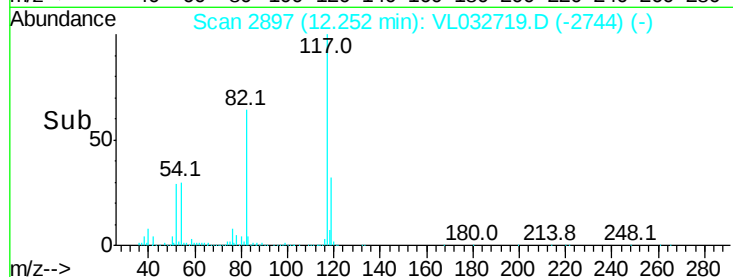
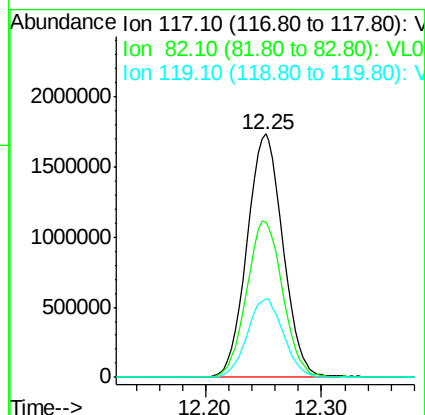
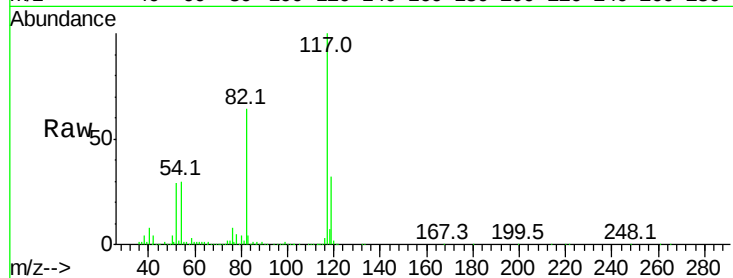




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032719.D
Acq: 7 Nov 2018 16:18

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA1-110118DL

Tgt Ion: 117 Resp: 3742509
Ion Ratio Lower Upper
117 100
82 64.8 52.7 79.1
119 32.6 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.297 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL032719.D
Acq: 7 Nov 2018 16:18

Tgt Ion: 95 Resp: 2869414
Ion Ratio Lower Upper
95 100
174 63.6 46.0 69.0
175 4.9 3.4 5.0

