

Data File : VL032716.D
Acq On : 7 Nov 2018 14:20
Operator : SY/AP
Sample : J5809-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA-DUP-110118

Quant Time: Nov 08 10:51:17 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	1432747	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3505999	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3312008	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2511732	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	41370	0.283	ppbv	98
3) Chlorodifluoromethane	3.02	51	75090	0.670	ppbv #	84
4) Chloromethane	3.17	50	34834	0.556	ppbv #	88
9) Propene	3.25	41	963391	20.893	ppbv	95
10) Heptane	8.25	43	30334	0.171	ppbv #	26
11) Trichlorofluoromethane	4.07	101	9325	0.049	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.56	101	14248	0.090	ppbv	100
13) Ethanol	3.68	45	13106590	994.495	ppbv	99
15) Acetone	3.91	43	1694363	12.807	ppbv	93
16) 1,3-Butadiene	3.35	39	12701	0.261	ppbv #	1
17) tert-Butyl alcohol	4.39	59	44738	1.150	ppbv #	100
19) Isopropyl Alcohol	4.07	45	1254210	13.311	ppbv #	97
20) Methylene Chloride	4.42	84	38358	0.571	ppbv	95
21) Allyl Chloride	4.44	41	6708	0.062	ppbv #	23
23) Vinyl Acetate	5.15	43	118553	0.506	ppbv #	61
25) Ethyl Acetate	5.78	43	301561	0.990	ppbv #	96
26) Hexane	5.79	57	75380	0.523	ppbv #	22
27) Carbon Disulfide	4.63	76	6272	0.036	ppbv #	1
29) Chloroform	5.86	83	36311	0.158	ppbv	93
31) cis-1,2-Dichloroethene	5.78	61	32284	0.242	ppbv #	30
34) 2-Butanone	5.34	43	131270	0.698	ppbv	100
35) Carbon Tetrachloride	7.14	117	11105	0.045	ppbv #	81
36) Benzene	7.01	78	115818	0.407	ppbv	95
39) 1,2-Dichloropropane	7.30	63	882212	8.024	ppbv #	26
44) 2,2,4-Trimethylpentane	8.00	57	137534	0.283	ppbv #	70
52) Tetrachloroethene	11.38	164	8359	0.084	ppbv #	52
53) Toluene	9.96	91	1048595	3.213	ppbv	98
58) Ethyl Benzene	12.88	91	53831	0.140	ppbv	90
59) m/p-Xylene	13.13	91	206087	0.601	ppbv	100
60) o-Xylene	13.87	91	36762	0.111	ppbv #	26
61) Styrene	13.70	104	15673	0.071	ppbv #	33
72) 4-Ethyltoluene	16.01	105	20650	0.059	ppbv #	73
73) 1,3,5-Trimethylbenzene	16.17	105	18171	0.053	ppbv #	85
74) 1,2,4-Trimethylbenzene	16.94	105	129207	0.353	ppbv #	74
79) Naphthalene	22.42	128	8281	0.036	ppbv #	77
80) Naphthalene,2-methyl-	25.12	142	2661	0.048	ppbv #	53

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

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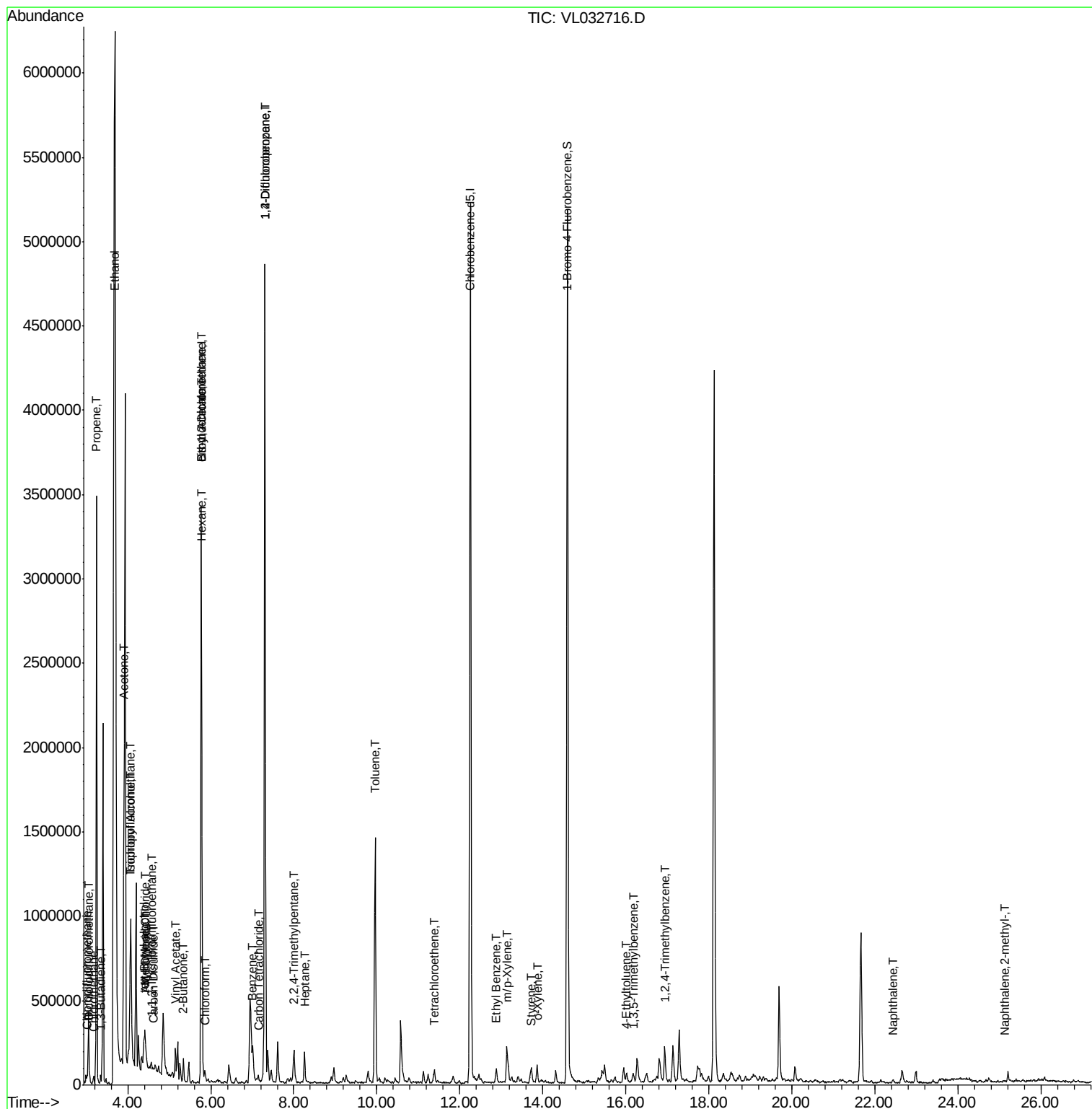
Quant Time: Nov 08 10:51:17 2018

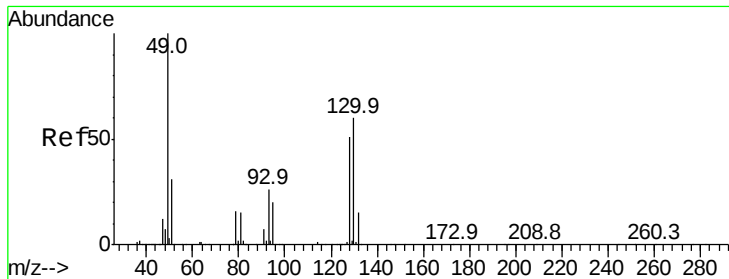
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL101818AIR.M

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: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

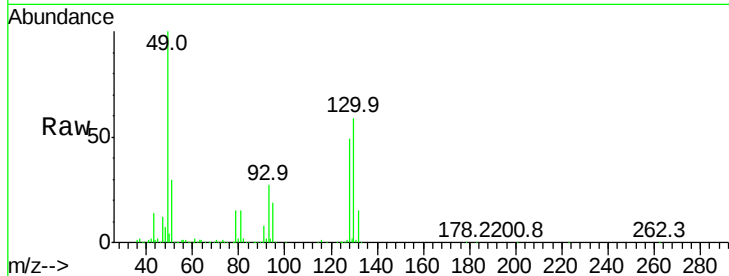
MSVOA_L

ClientSampleId :

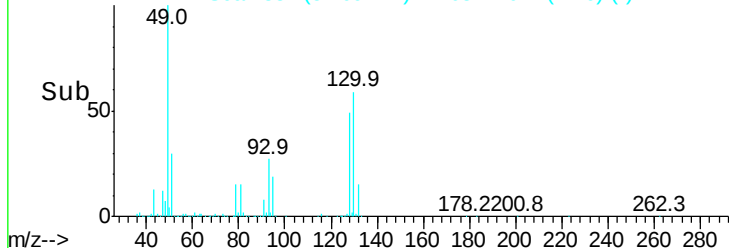
LIHA-IA-DUP-110118

Tgt Ion: 49 Resp: 1432747

Ion	Ratio	Lower	Upper
49	100		
128	49.4	22.3	66.8
130	63.1	28.4	85.3



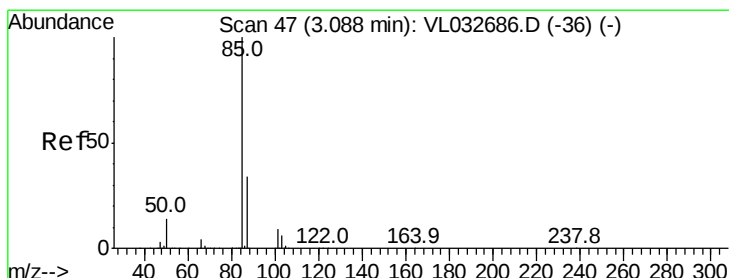
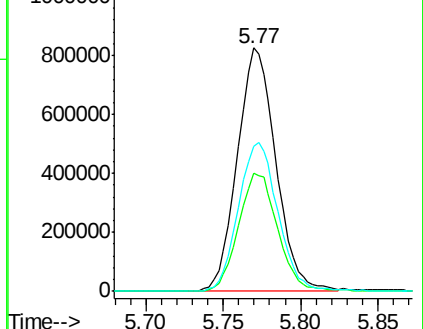
Scan 881 (5.769 min): VL032716.D (-729) (-)



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: 0.283 ppbv

RT: 3.08 min Scan# 45

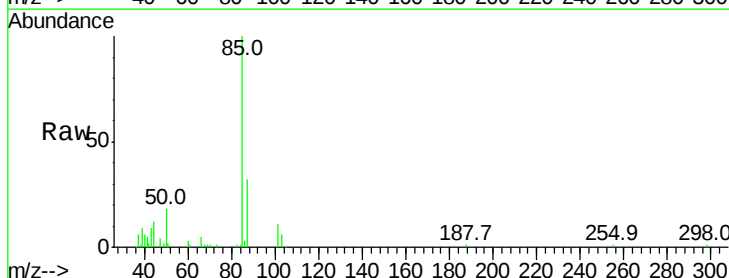
Delta R.T. -0.00 min

Lab File: VL032716.D

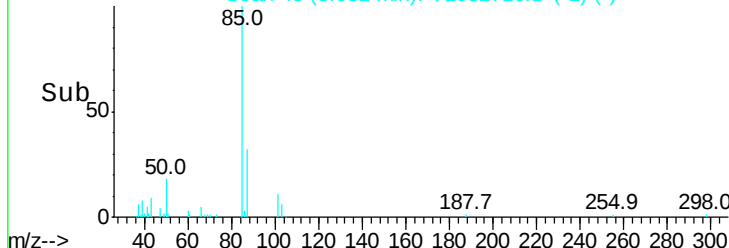
Acq: 7 Nov 2018 14:20

Tgt Ion: 85 Resp: 41370

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.2	39.2

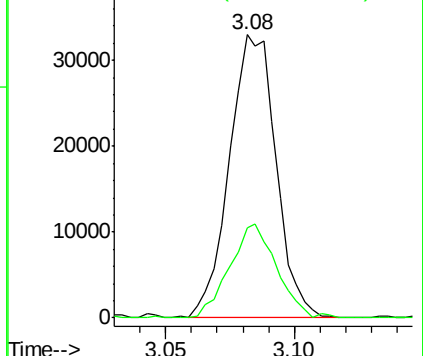


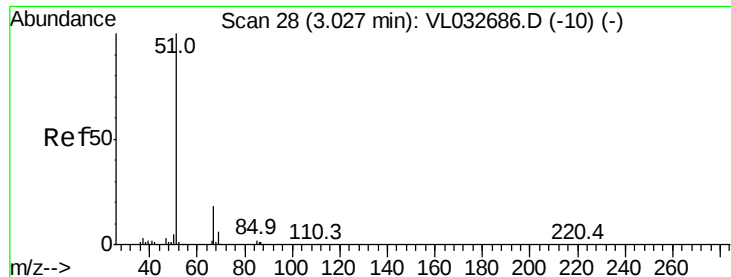
Scan 45 (3.081 min): VL032716.D (-1) (-)



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.670 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

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ClientSampleId :

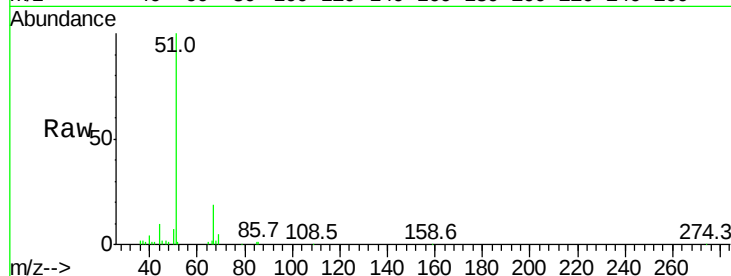
LIHA-IA-DUP-110118

Tgt Ion: 51 Resp: 75090

Ion Ratio Lower Upper

51 100

67 12.0 15.2 22.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.02

40000

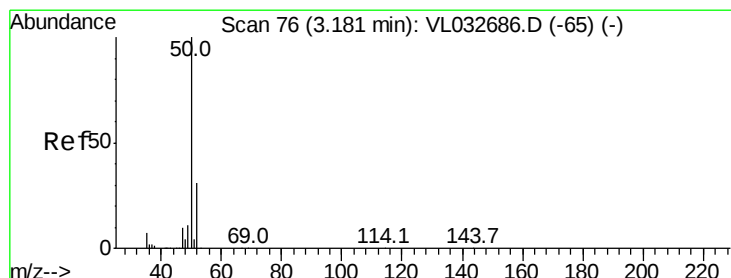
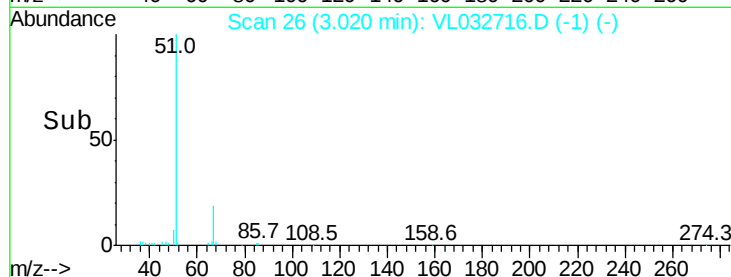
30000

20000

10000

0

Time--> 2.90 3.00 3.10 3.20



#4

Chloromethane

Concen: 0.556 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032716.D

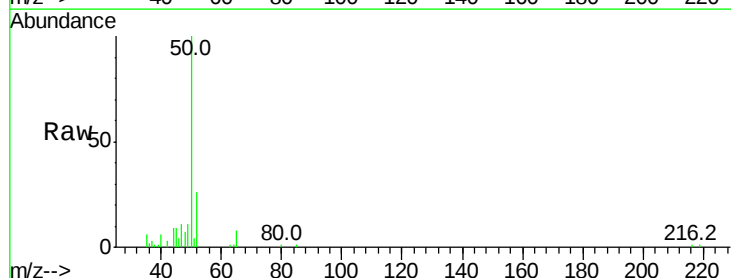
Acq: 7 Nov 2018 14:20

Tgt Ion: 50 Resp: 34834

Ion Ratio Lower Upper

50 100

52 25.7 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.17

25000

20000

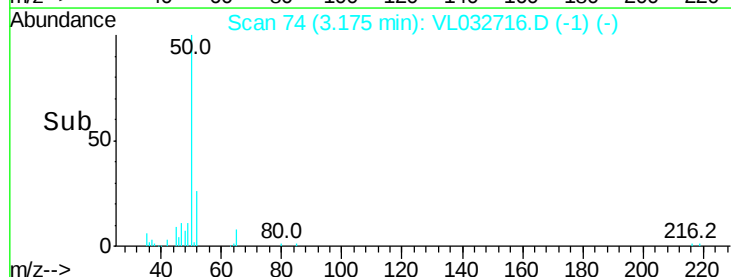
15000

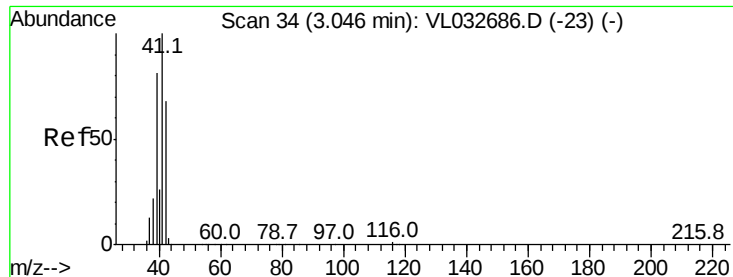
10000

5000

0

Time--> 3.15 3.20





#9

Propene

Concen: 20.893 ppbv

RT: 3.25 min Scan# 96

Delta R.T. 0.20 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

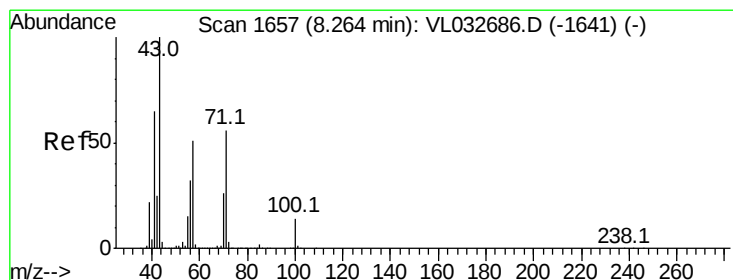
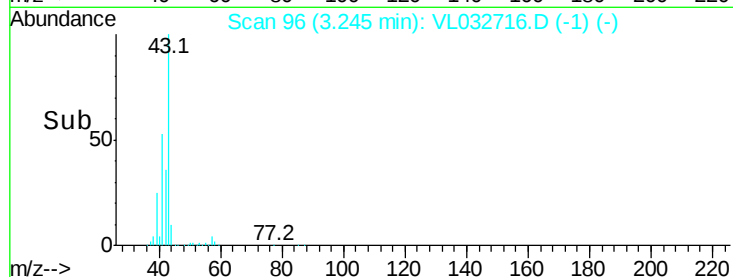
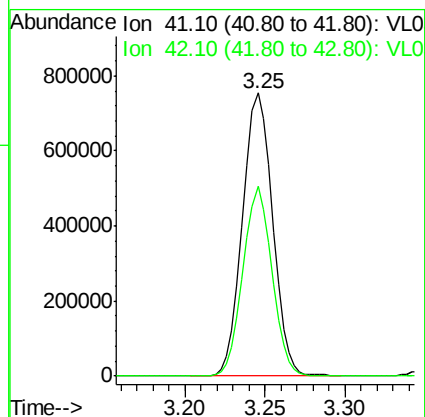
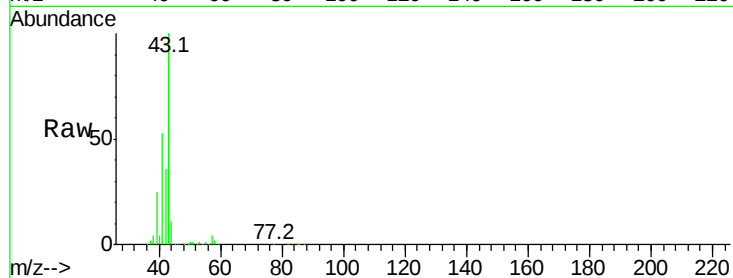
LIHA-IA-DUP-110118

Tgt Ion: 41 Resp: 963391

Ion Ratio Lower Upper

41 100

42 64.8 55.4 83.0



#10

Heptane

Concen: 0.171 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL032716.D

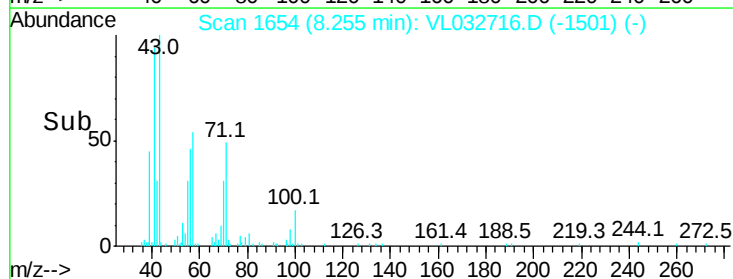
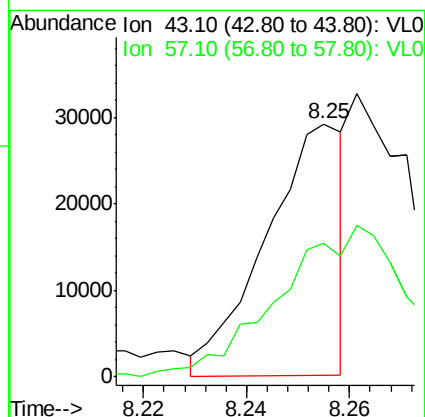
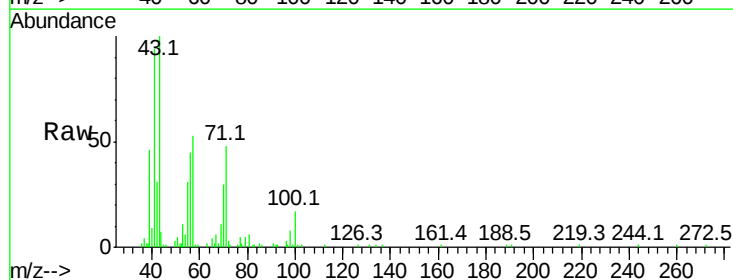
Acq: 7 Nov 2018 14:20

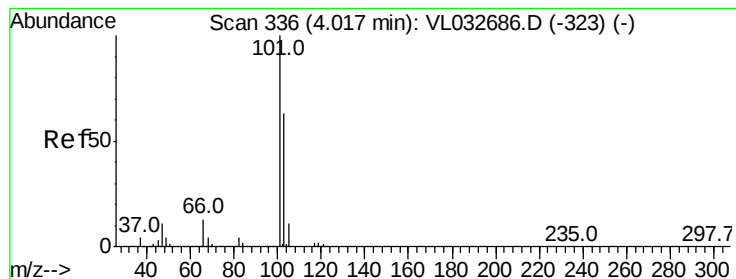
Tgt Ion: 43 Resp: 30334

Ion Ratio Lower Upper

43 100

57 0.0 41.5 62.3#





#11

Trichlorofluoromethane

Concen: 0.049 ppbv

RT: 4.07 min Scan# 352

Delta R.T. 0.05 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

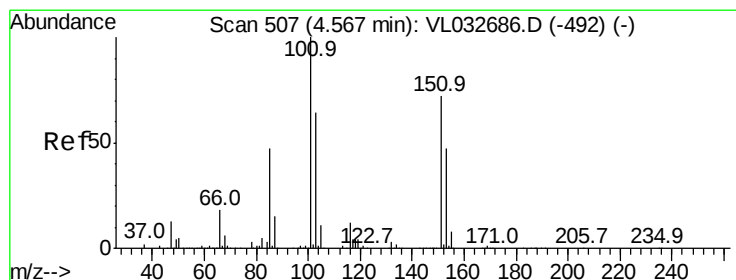
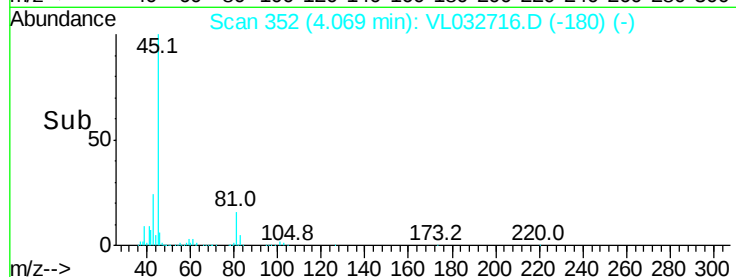
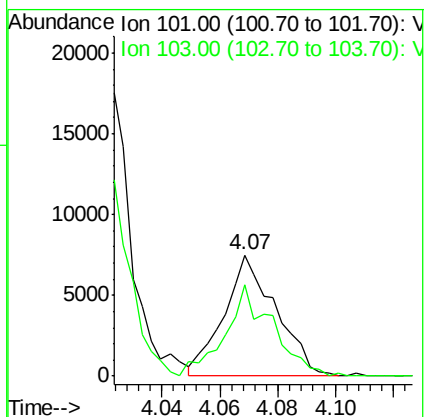
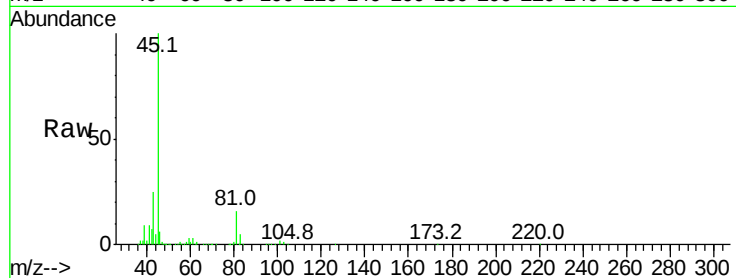
LIHA-IA-DUP-110118

Tgt Ion:101 Resp: 9325

Ion Ratio Lower Upper

101 100

103 73.1 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.090 ppbv

RT: 4.56 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL032716.D

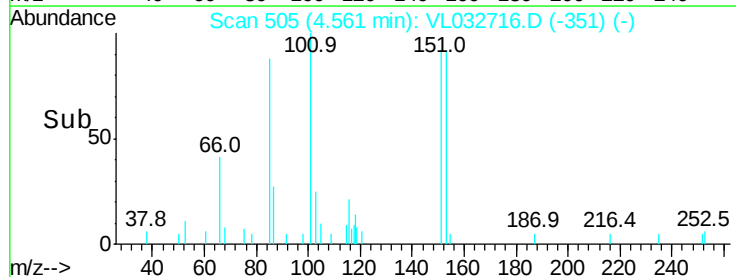
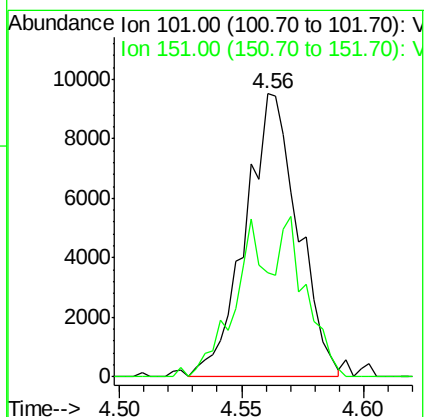
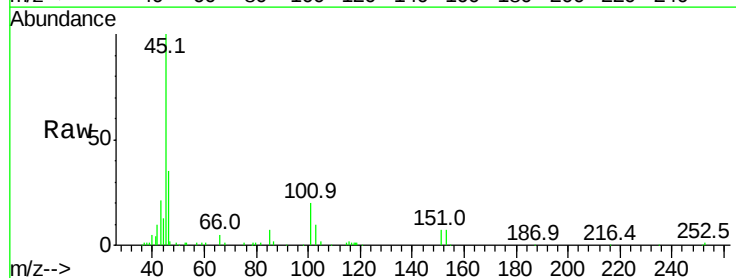
Acq: 7 Nov 2018 14:20

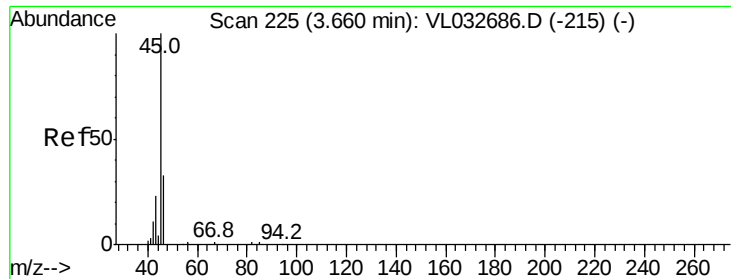
Tgt Ion:101 Resp: 14248

Ion Ratio Lower Upper

101 100

151 65.7 52.3 78.5

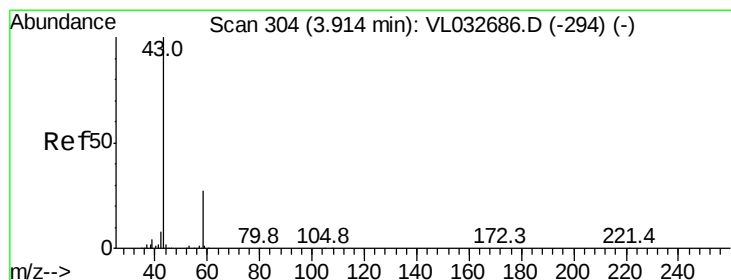
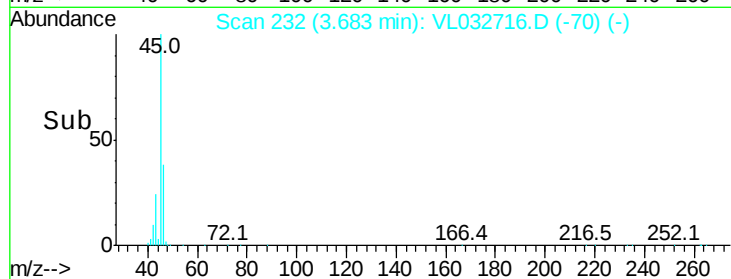
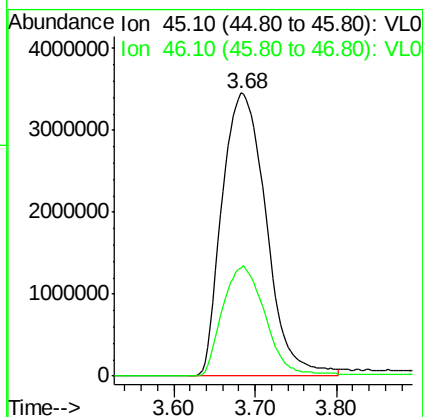
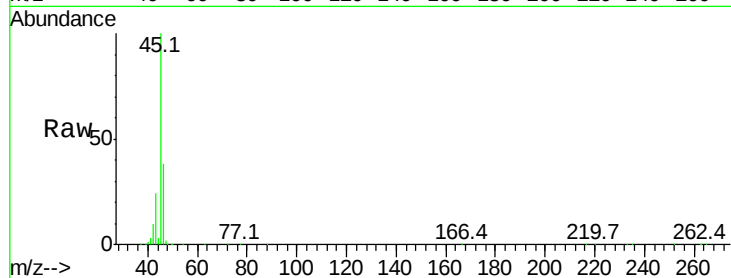




#13
Ethanol
Concen: 994.495 ppbv
RT: 3.68 min Scan# 232
Delta R.T. 0.02 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

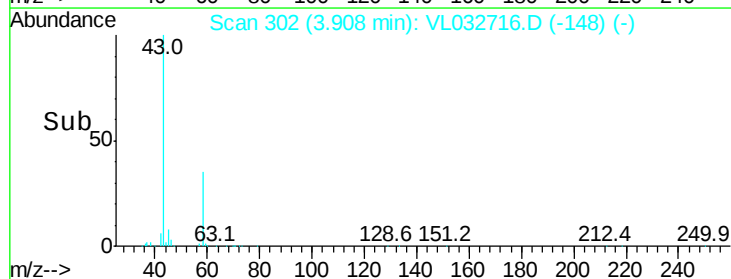
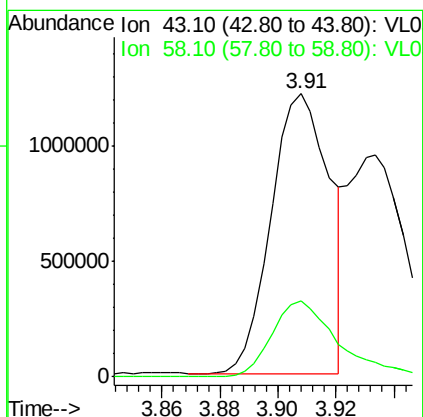
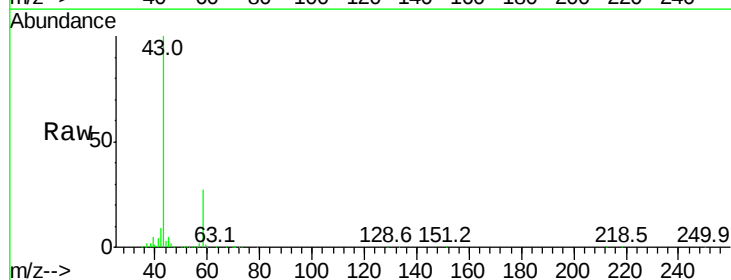
Instrument :
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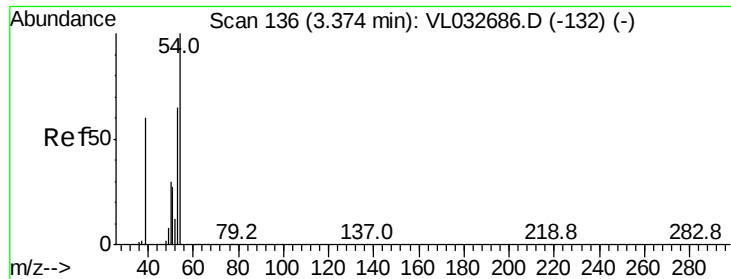
Tgt Ion: 45 Resp:13106590
Ion Ratio Lower Upper
45 100
46 38.1 15.4 61.8



#15
Acetone
Concen: 12.807 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

Tgt Ion: 43 Resp: 1694363
Ion Ratio Lower Upper
43 100
58 31.3 22.1 33.1

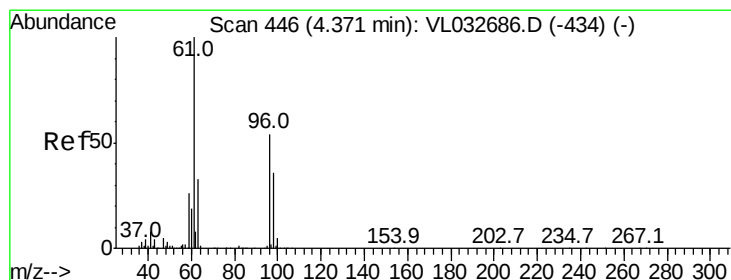
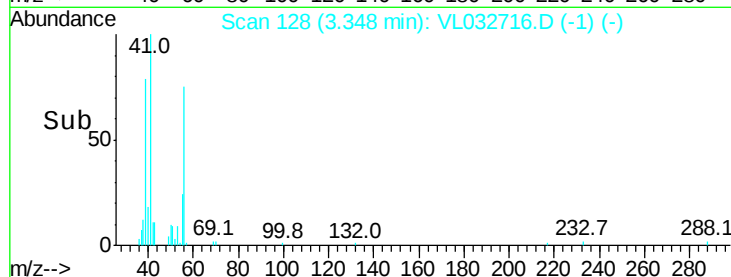
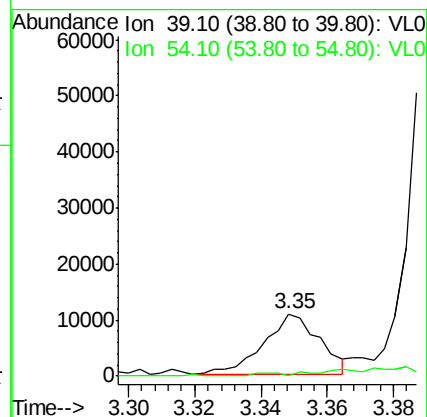
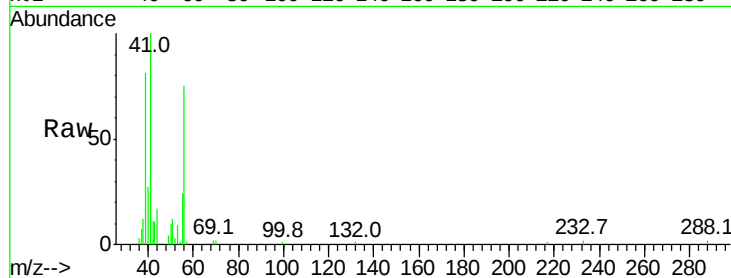




#16
1,3-Butadiene
Concen: 0.261 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.03 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

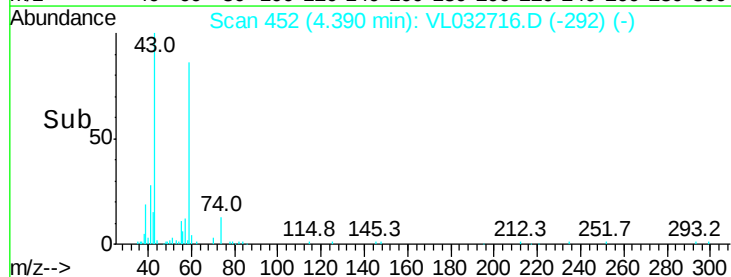
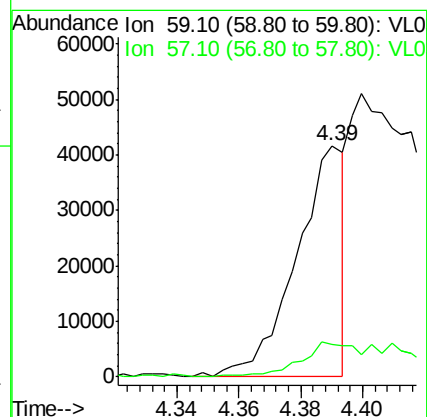
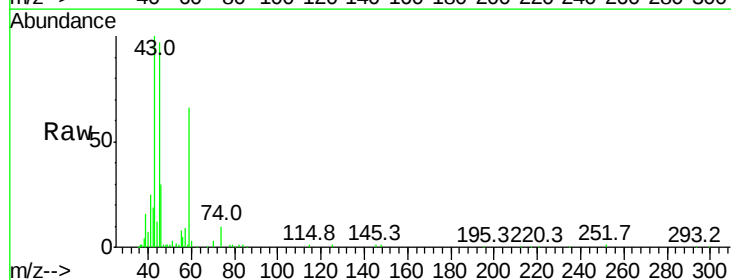
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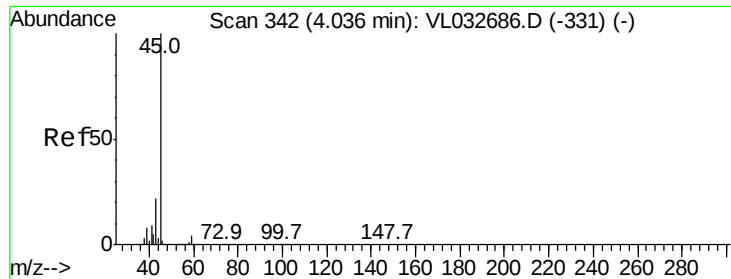
Tgt Ion: 39 Resp: 12701
Ion Ratio Lower Upper
39 100
54 0.0 90.4 135.6#



#17
tert-Butyl alcohol
Concen: 1.150 ppbv
RT: 4.39 min Scan# 452
Delta R.T. 0.02 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

Tgt Ion: 59 Resp: 44738
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

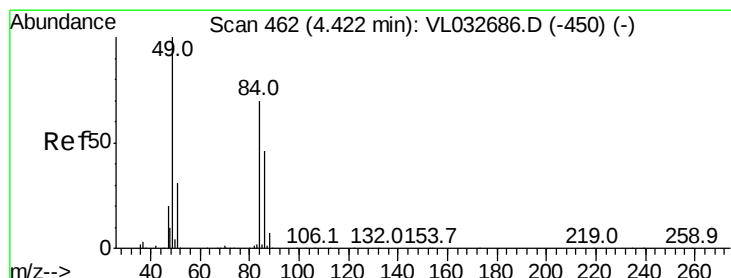
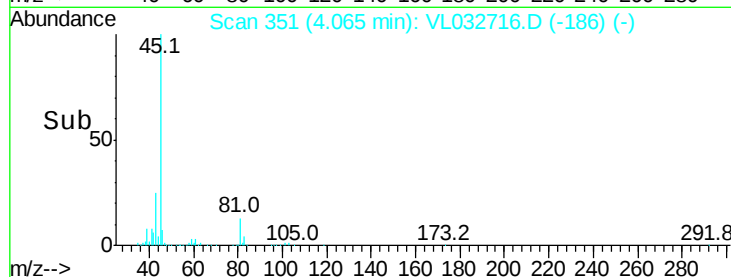
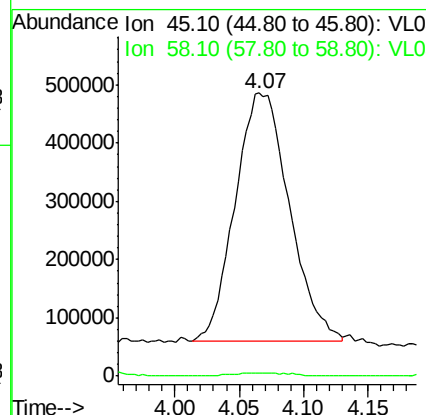
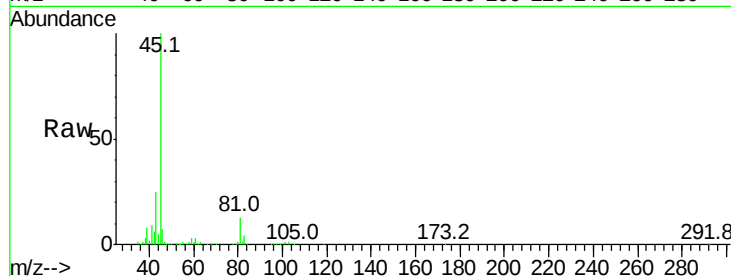




#19
Isopropyl Alcohol
Concen: 13.311 ppbv
RT: 4.07 min Scan# 351
Delta R.T. 0.03 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

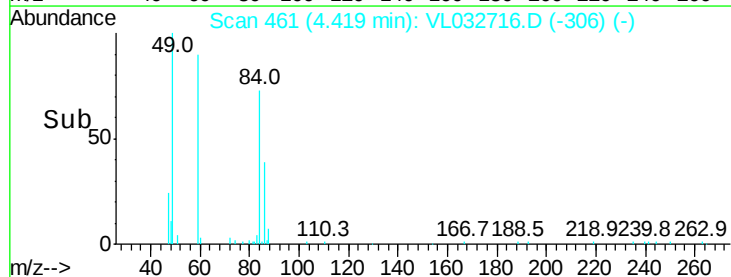
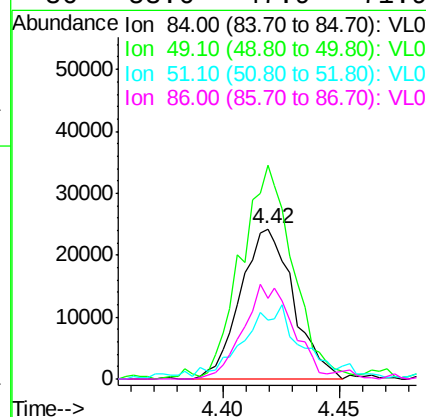
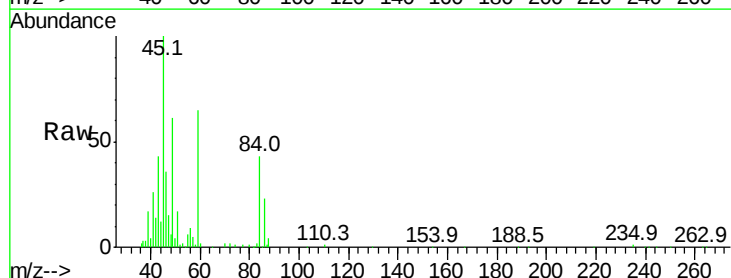
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA-DUP-110118

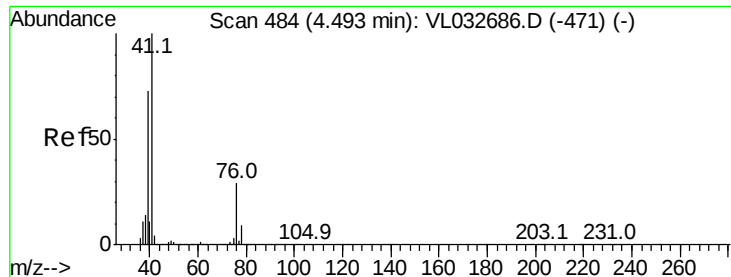
Tgt Ion: 45 Resp: 1254210
Ion Ratio Lower Upper
45 100
58 1.5 2.0 3.0#



#20
Methylene Chloride
Concen: 0.571 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

Tgt Ion: 84 Resp: 38358
Ion Ratio Lower Upper
84 100
49 139.0 113.5 170.3
51 37.4 34.8 52.2
86 53.6 47.9 71.9





#21

Allyl Chloride

Concen: 0.062 ppbv

RT: 4.44 min Scan# 466

Delta R.T. -0.05 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA-DUP-110118

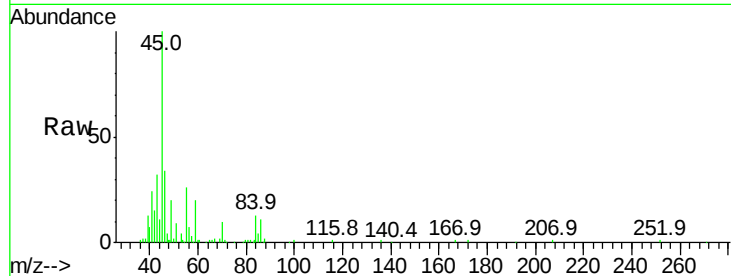
Tgt Ion: 41 Resp: 6708

Ion Ratio Lower Upper

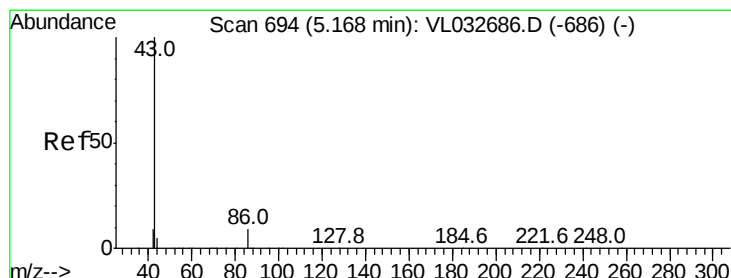
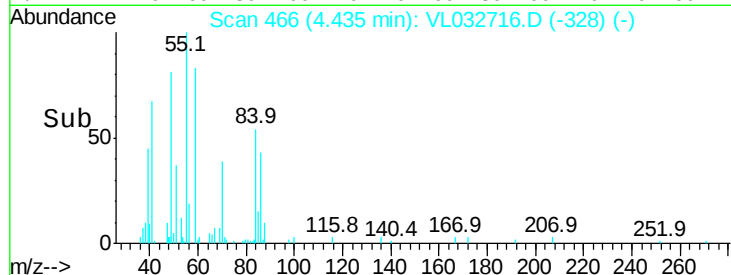
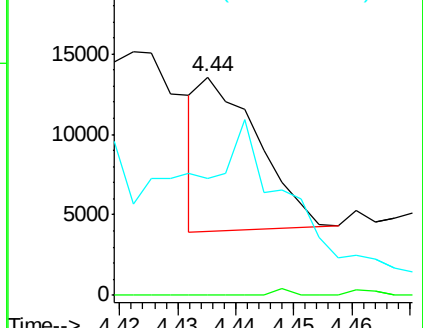
41 100

76 3.5 24.3 36.5#

39 0.0 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: 0.506 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Tgt Ion: 43 Resp: 118553

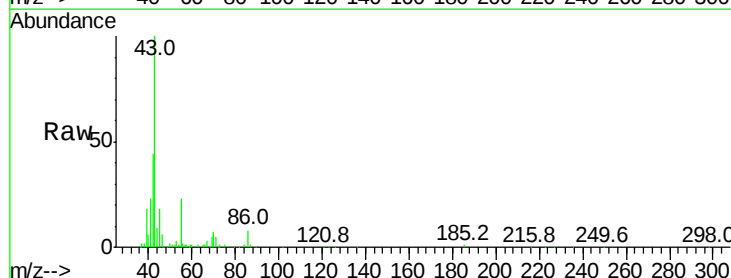
Ion Ratio Lower Upper

43 100

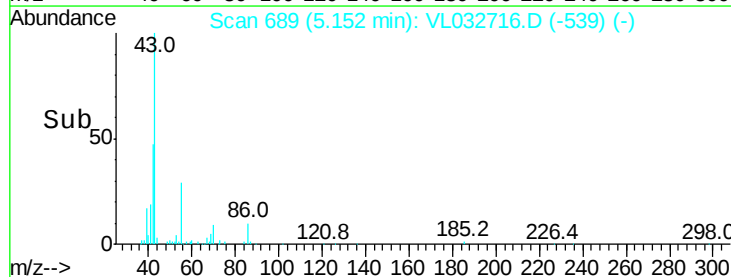
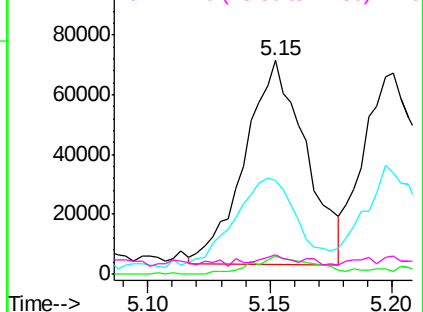
86 8.6 6.1 9.1

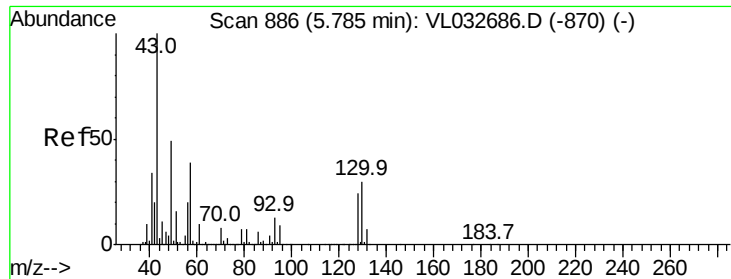
42 41.9 7.4 11.2#

44 5.5 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

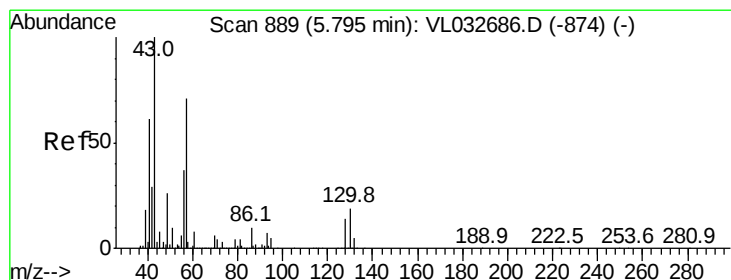
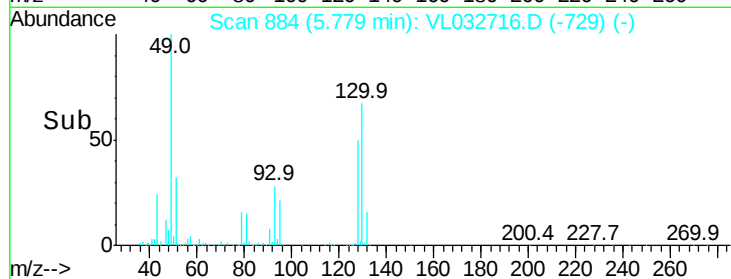
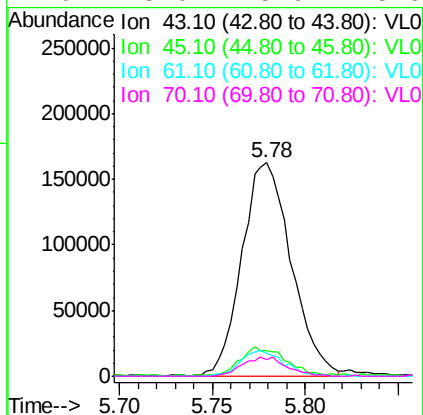
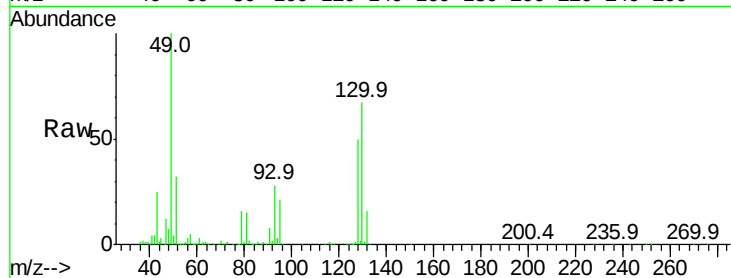




#25
Ethyl Acetate
Concen: 0.990 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

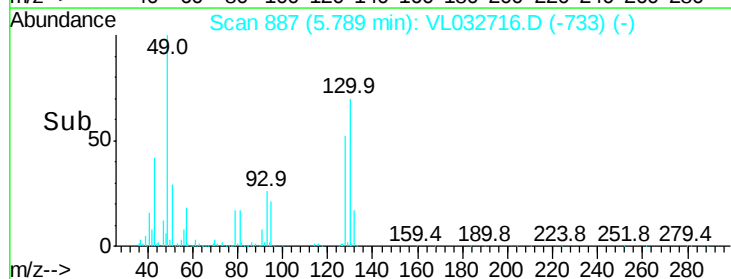
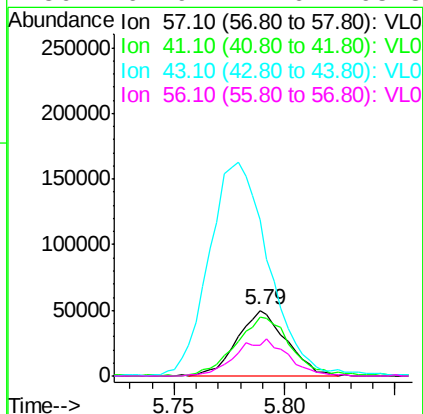
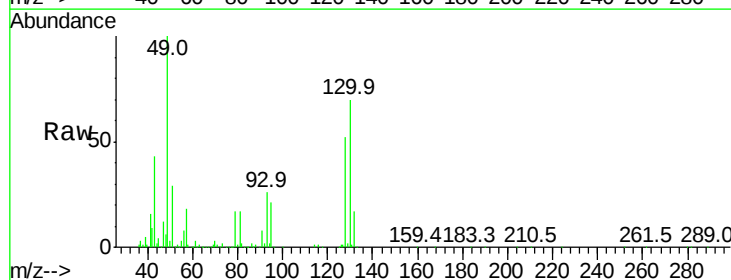
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA-DUP-110118

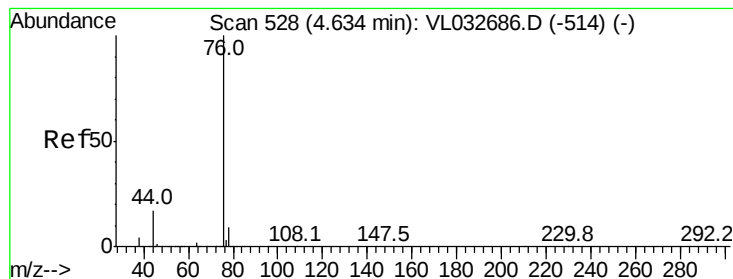
Tgt Ion:	43	Resp:	301561
Ion	Ratio	Lower	Upper
43	100		
45	12.9	8.0	12.0#
61	10.9	8.0	12.0
70	8.0	5.9	8.9



#26
Hexane
Concen: 0.523 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

Tgt Ion:	57	Resp:	75380
Ion	Ratio	Lower	Upper
57	100		
41	101.1	67.4	101.0#
43	402.3	171.9	257.9#
56	61.9	42.6	63.8





#27

Carbon Disulfide

Concen: 0.036 ppbv

RT: 4.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA-DUP-110118

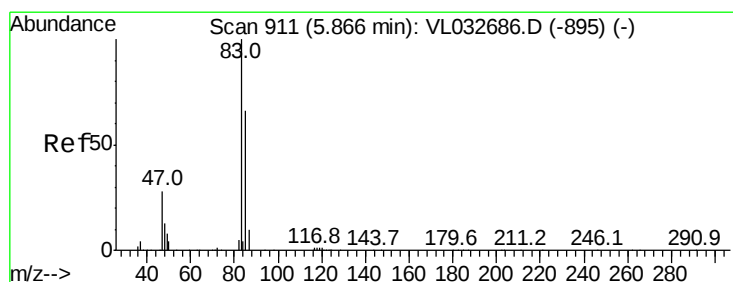
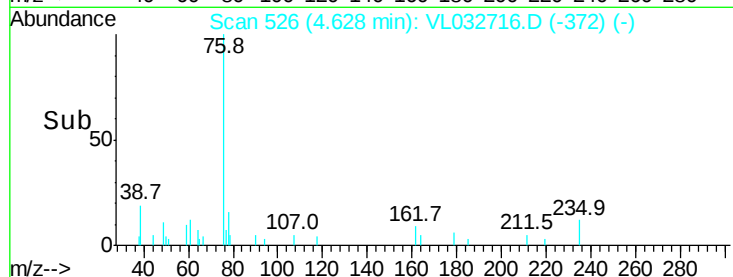
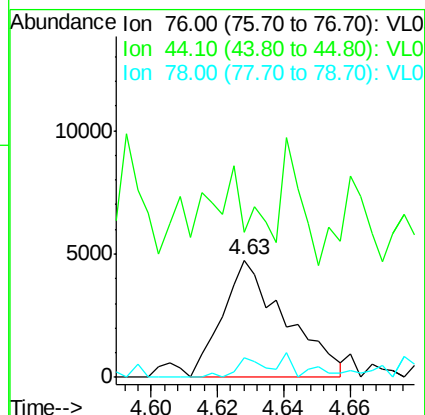
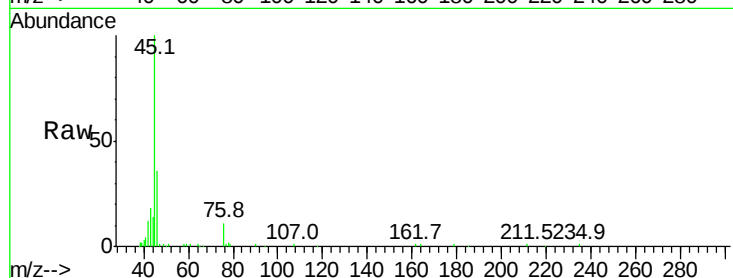
Tgt Ion: 76 Resp: 6272

Ion Ratio Lower Upper

76 100

44 145.7 13.7 20.5#

78 15.5 7.4 11.2#



#29

Chloroform

Concen: 0.158 ppbv

RT: 5.86 min Scan# 908

Delta R.T. -0.01 min

Lab File: VL032716.D

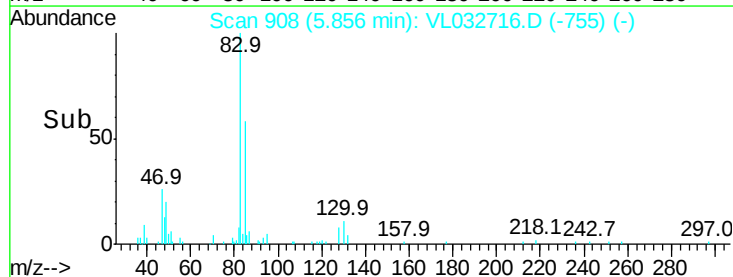
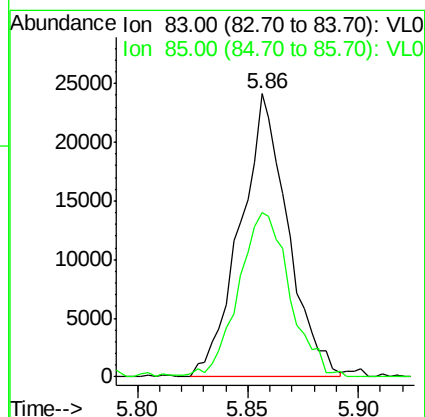
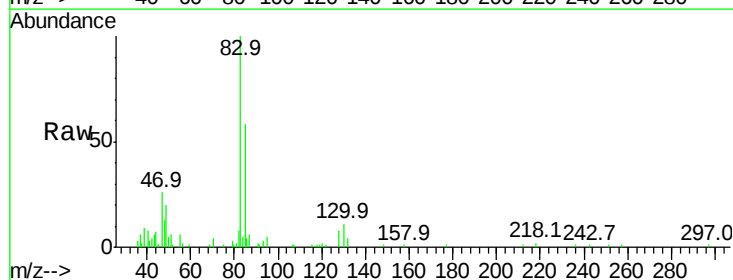
Acq: 7 Nov 2018 14:20

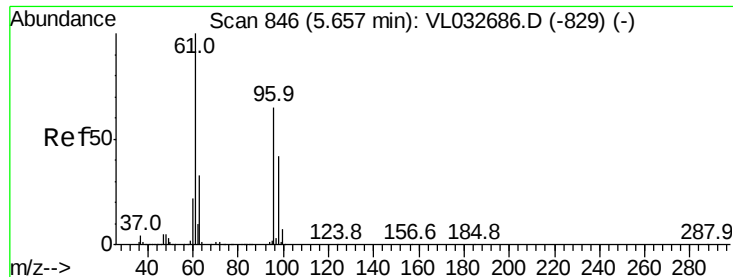
Tgt Ion: 83 Resp: 36311

Ion Ratio Lower Upper

83 100

85 60.6 53.0 79.6



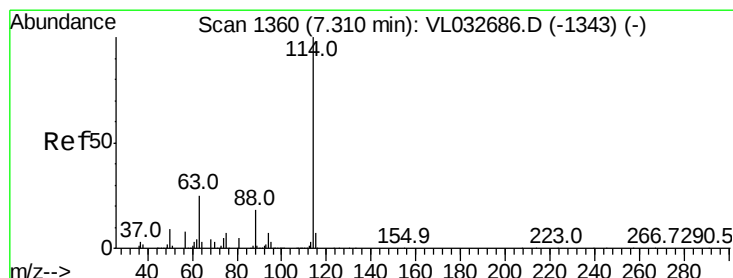
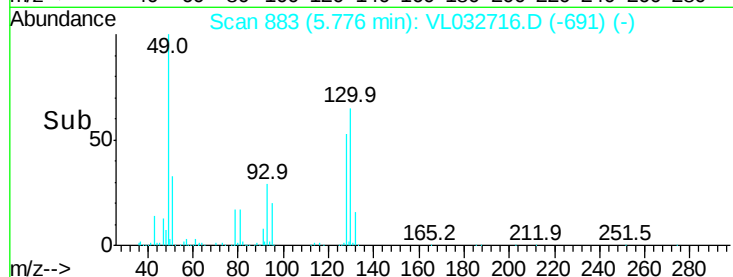
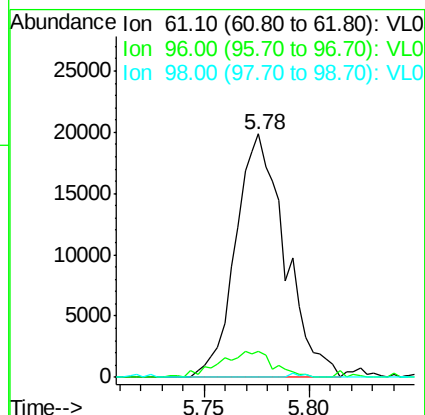
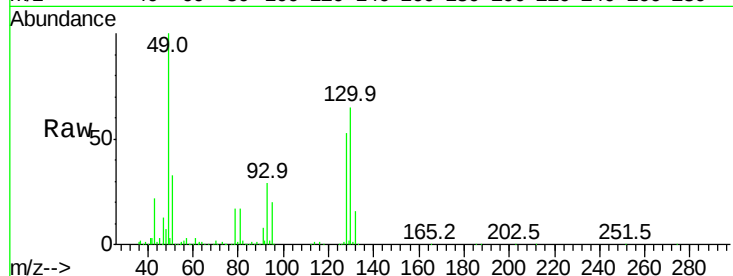


#31

cis-1,2-Dichloroethene
Concen: 0.242 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.12 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA-DUP-110118

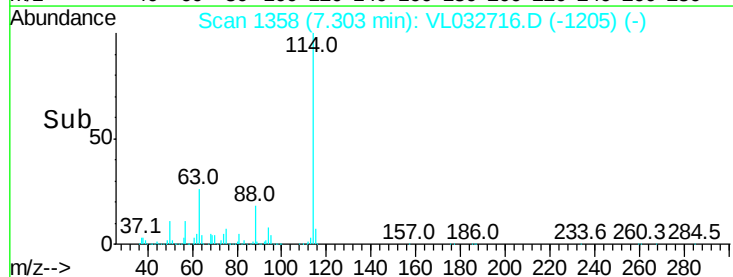
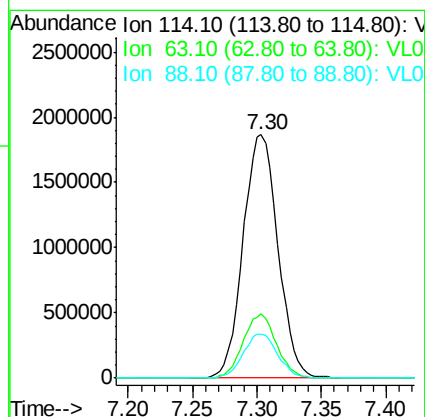
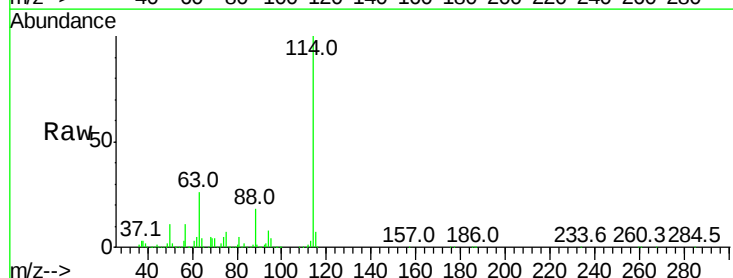
Tgt Ion: 61 Resp: 32284
Ion Ratio Lower Upper
61 100
96 7.8 51.8 77.6#
98 0.0 33.8 50.6#

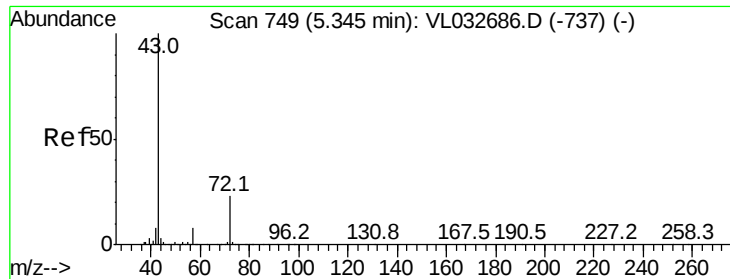


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

Tgt Ion: 114 Resp: 3505999
Ion Ratio Lower Upper
114 100
63 25.4 21.7 32.5
88 17.9 14.9 22.3

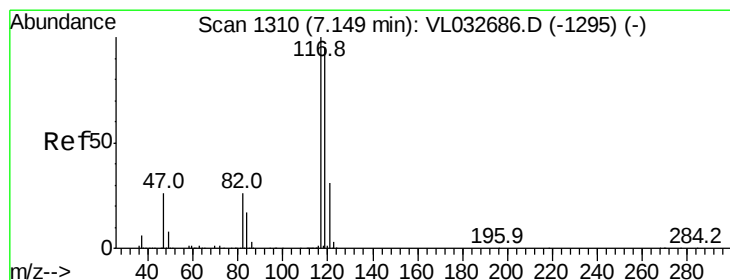
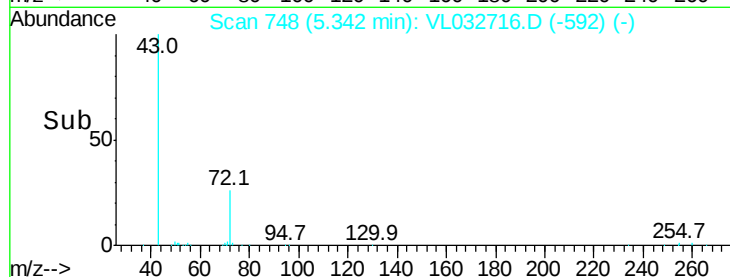
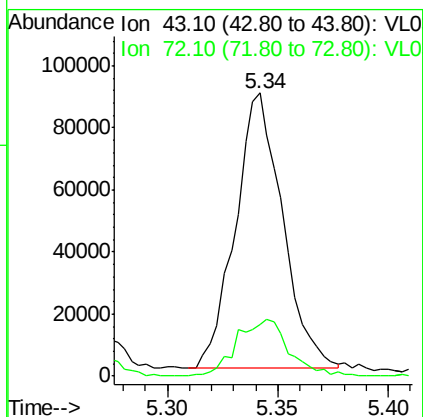
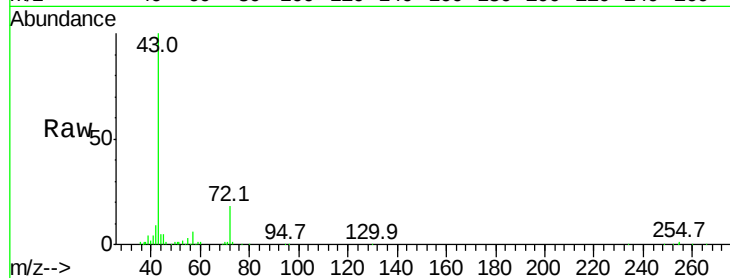




#34
2-Butanone
Concen: 0.698 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

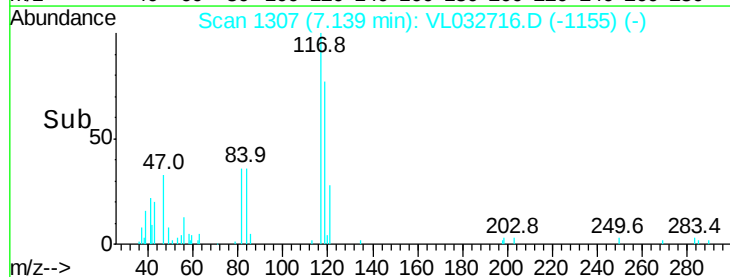
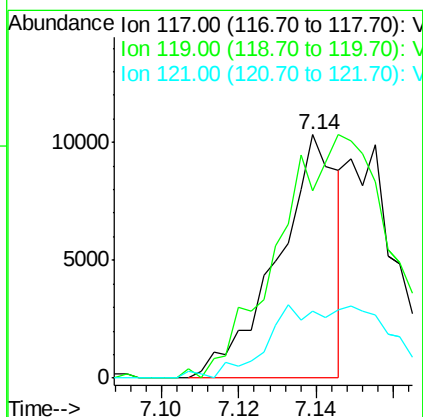
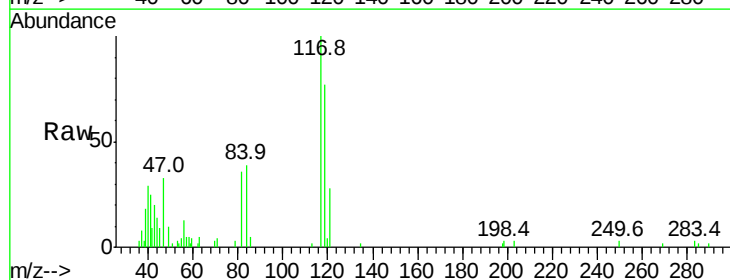
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA-DUP-110118

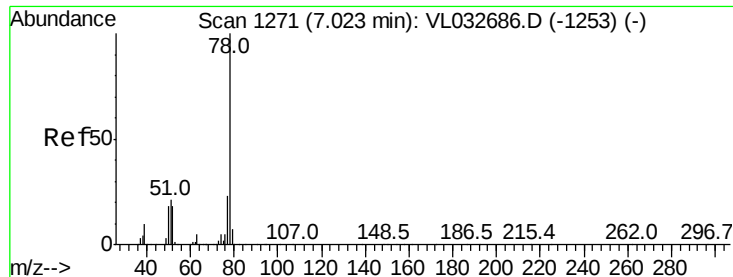
Tgt Ion: 43 Resp: 131270
Ion Ratio Lower Upper
43 100
72 23.2 18.6 27.8



#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

Tgt Ion: 117 Resp: 11105
Ion Ratio Lower Upper
117 100
119 73.0 75.7 113.5#
121 25.1 24.7 37.1





#36

Benzene

Concen: 0.407 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA-DUP-110118

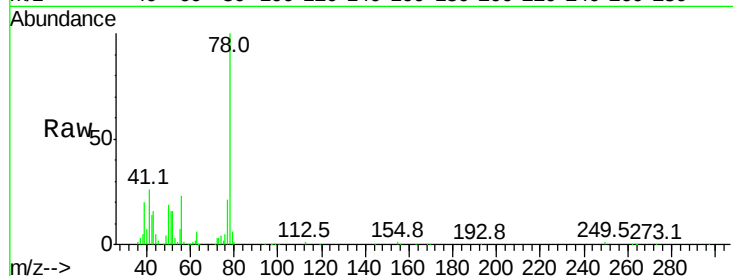
Tgt Ion: 78 Resp: 115818

Ion Ratio Lower Upper

78 100

77 20.0 18.1 27.1

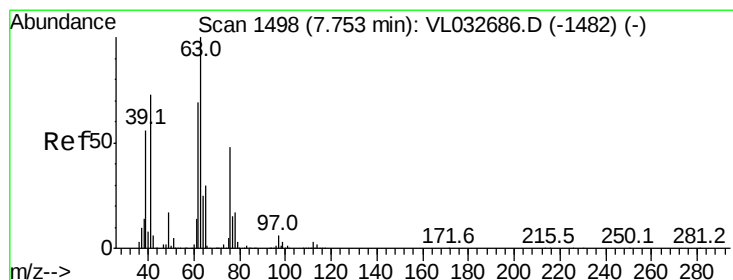
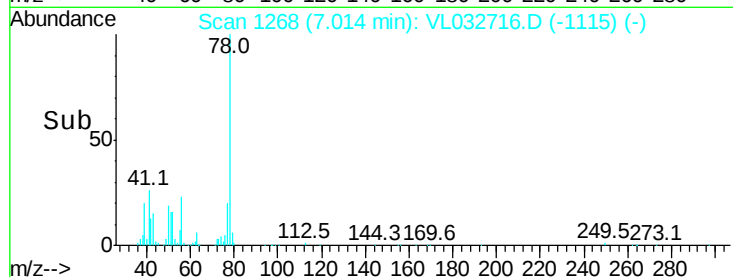
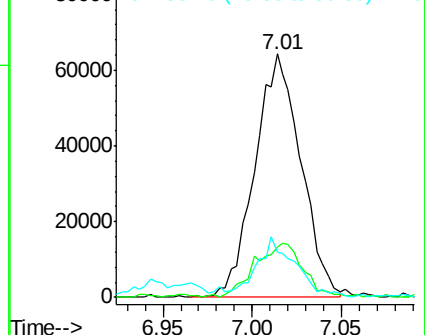
50 16.9 15.1 22.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 8.024 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

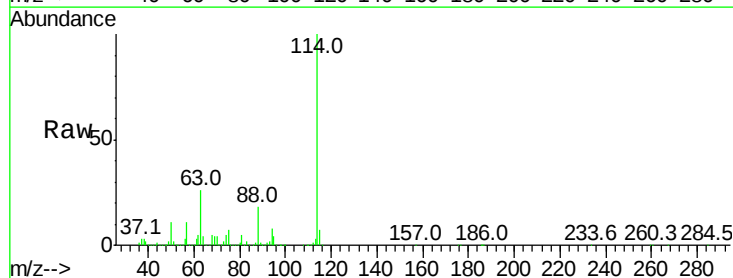
Tgt Ion: 63 Resp: 882212

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

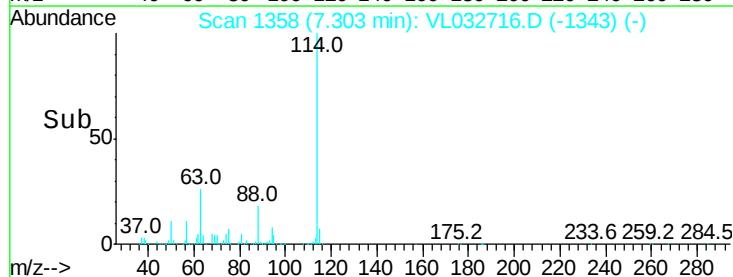
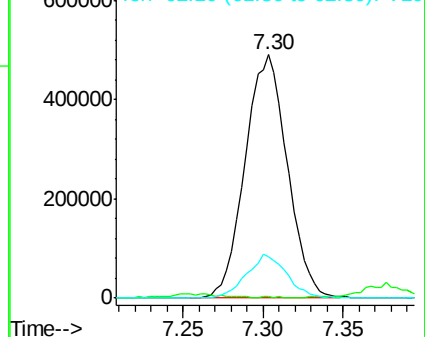
62 17.2 54.4 81.6#

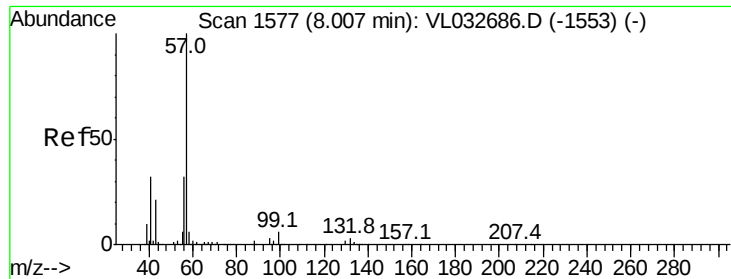


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.283 ppbv

RT: 8.00 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA-DUP-110118

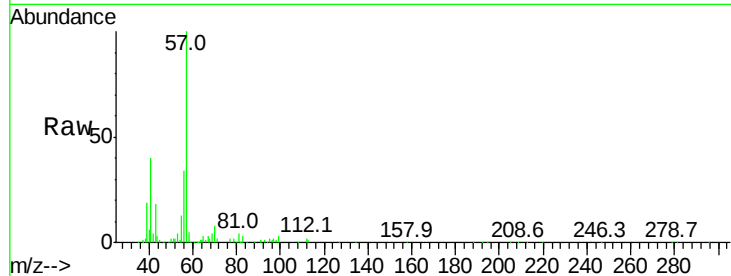
Tgt Ion: 57 Resp: 137534

Ion Ratio Lower Upper

57 100

41 50.7 24.7 37.1#

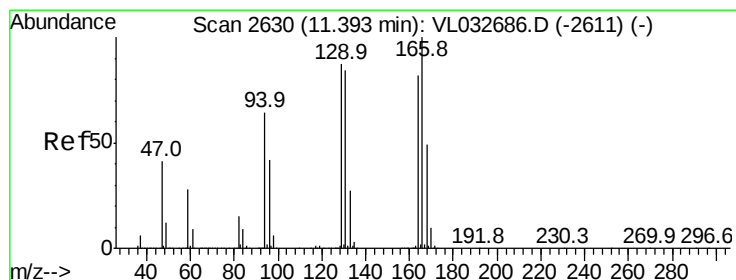
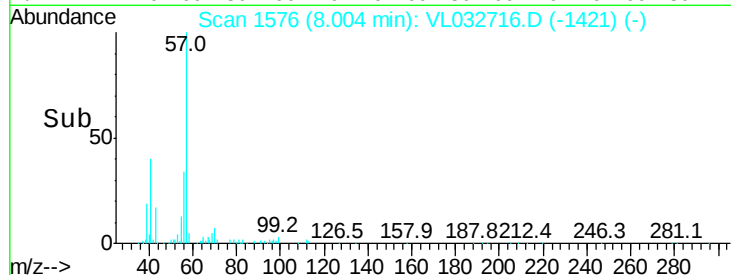
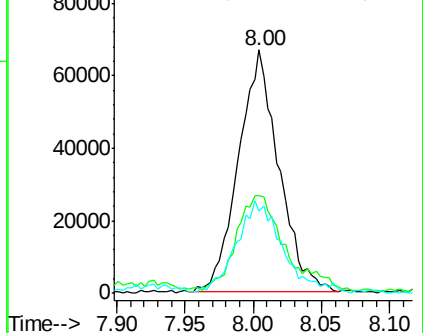
56 44.6 25.0 37.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#52

Tetrachloroethene

Concen: 0.084 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Tgt Ion: 164 Resp: 8359

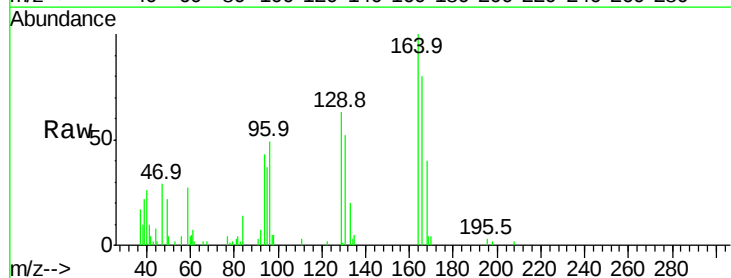
Ion Ratio Lower Upper

164 100

166 76.6 100.5 150.7#

129 64.3 90.0 135.0#

131 48.4 86.6 129.8#

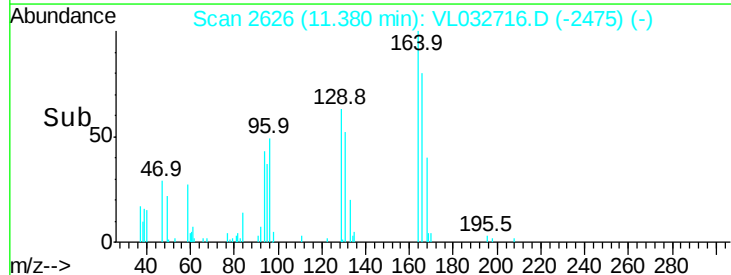
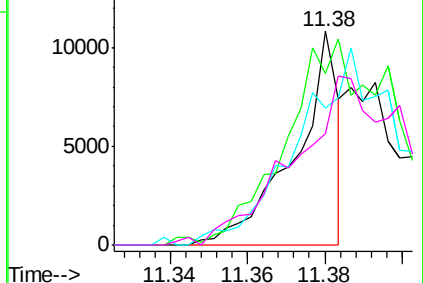


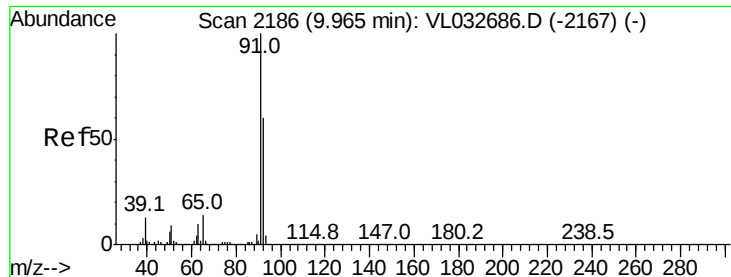
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 3.213 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

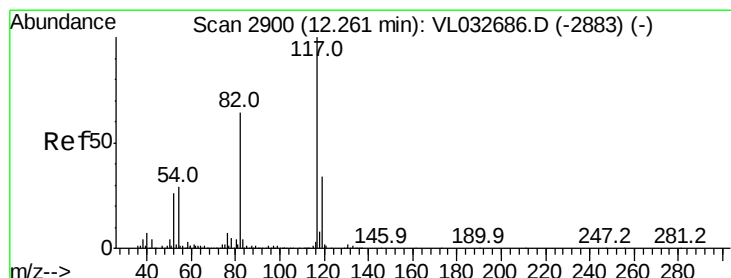
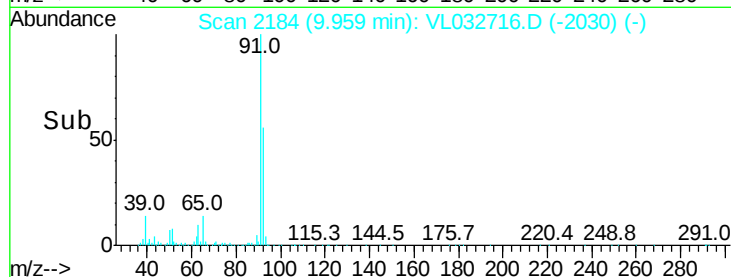
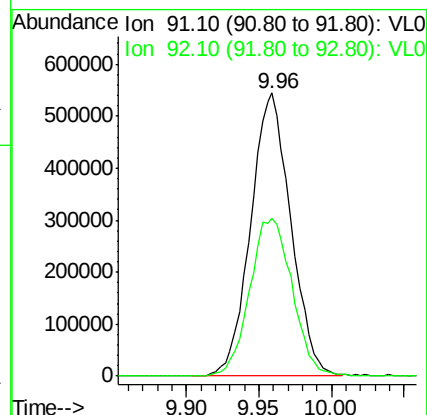
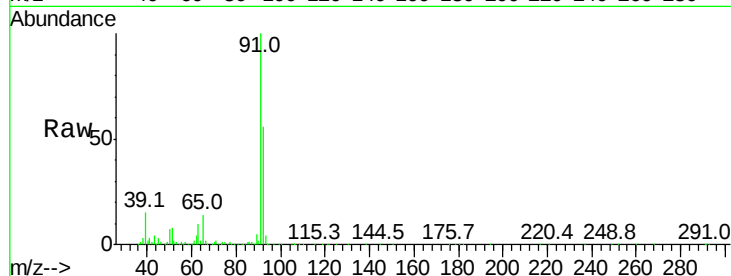
LIHA-IA-DUP-110118

Tgt Ion: 91 Resp: 1048595

Ion Ratio Lower Upper

91 100

92 59.0 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: VL032716.D

Acq: 7 Nov 2018 14:20

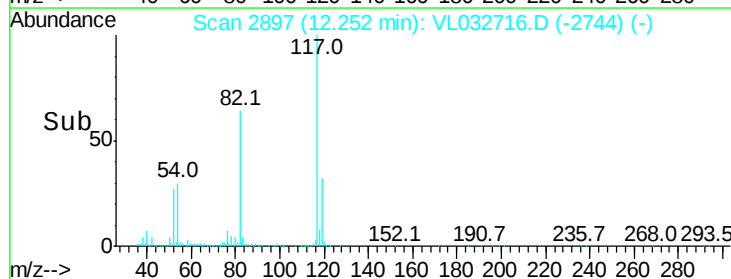
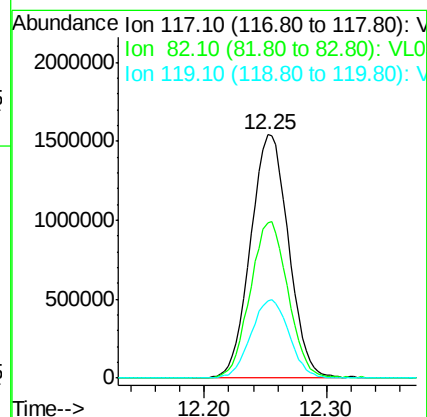
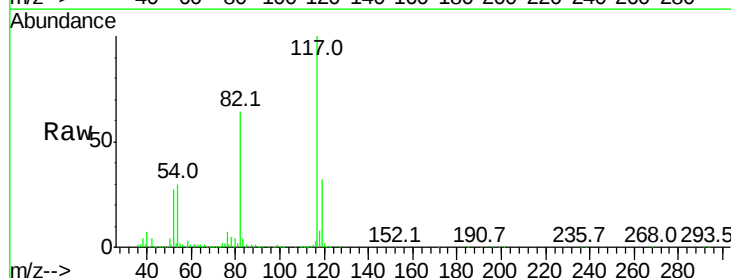
Tgt Ion: 117 Resp: 3312008

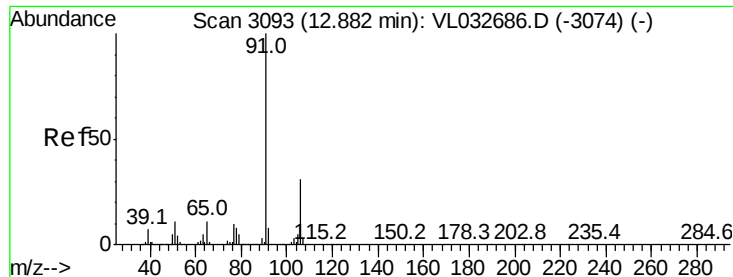
Ion Ratio Lower Upper

117 100

82 64.2 52.7 79.1

119 32.5 26.7 40.1





#58

Ethyl Benzene

Concen: 0.140 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. -0.01 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

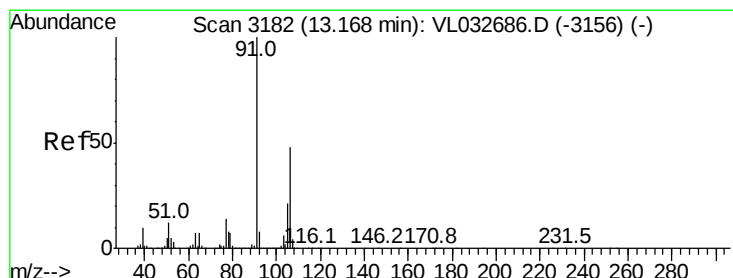
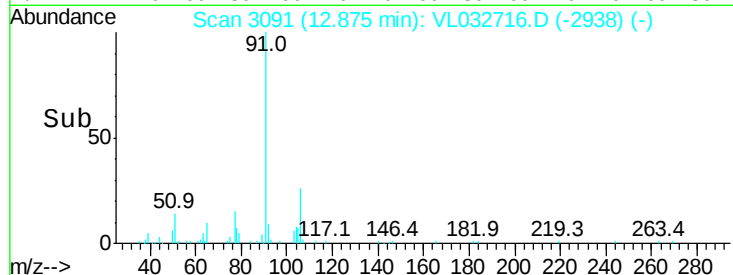
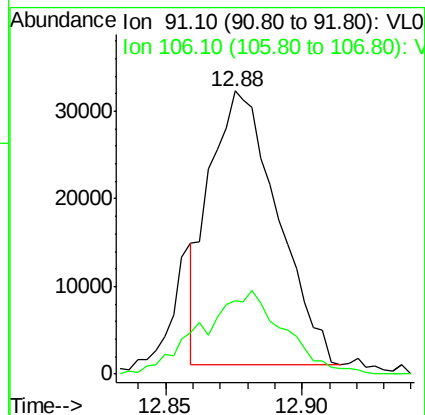
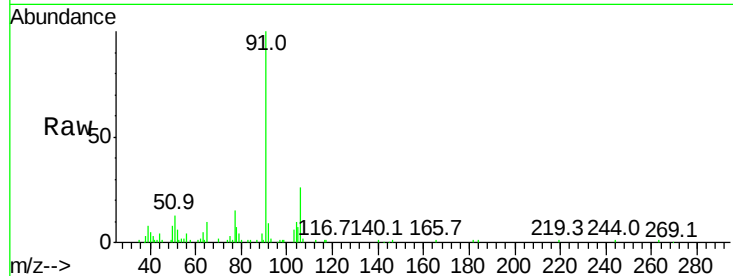
LIHA-IA-DUP-110118

Tgt Ion: 91 Resp: 53831

Ion Ratio Lower Upper

91 100

106 24.9 24.2 36.2



#59

m/p-Xylene

Concen: 0.601 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.04 min

Lab File: VL032716.D

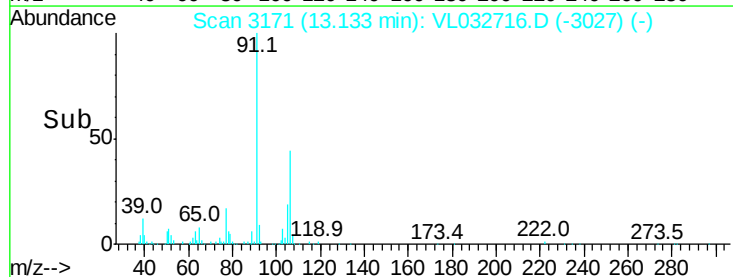
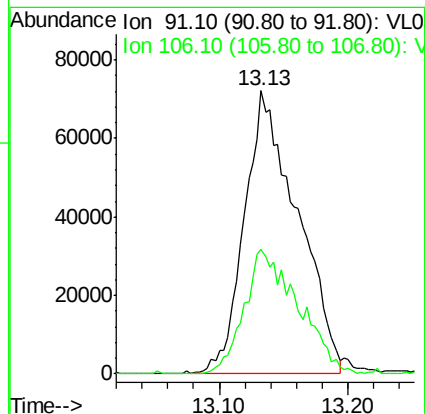
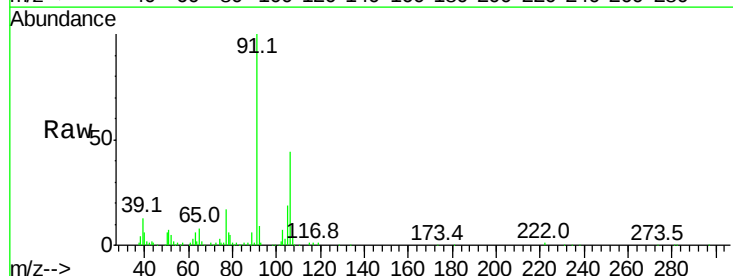
Acq: 7 Nov 2018 14:20

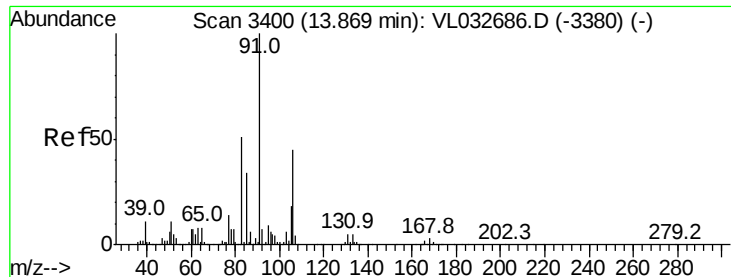
Tgt Ion: 91 Resp: 206087

Ion Ratio Lower Upper

91 100

106 45.0 35.9 53.9

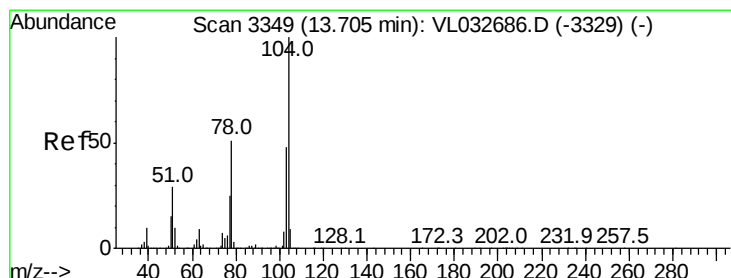
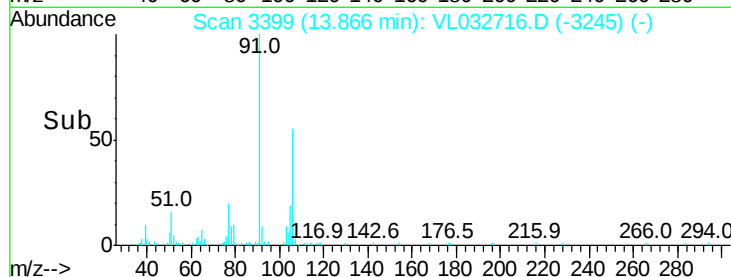
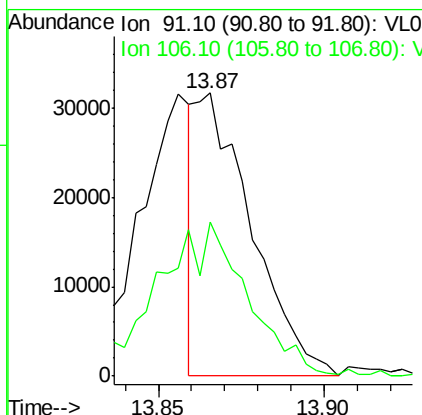
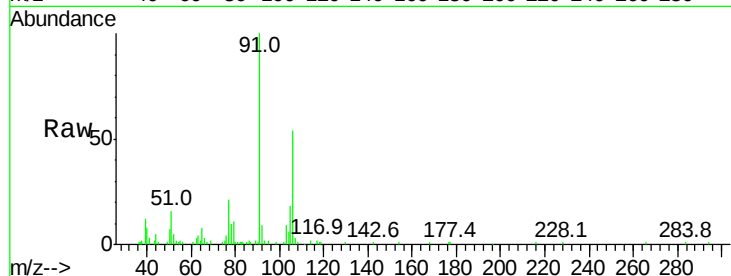




#60
o-Xylene
Concen: 0.111 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

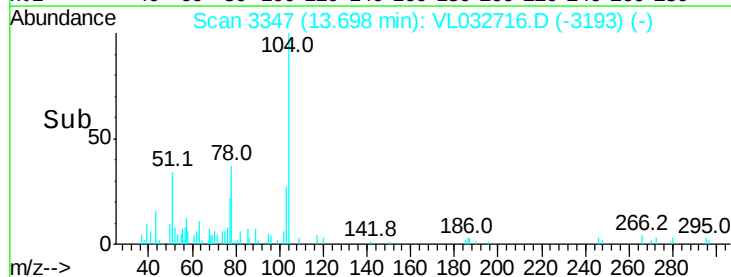
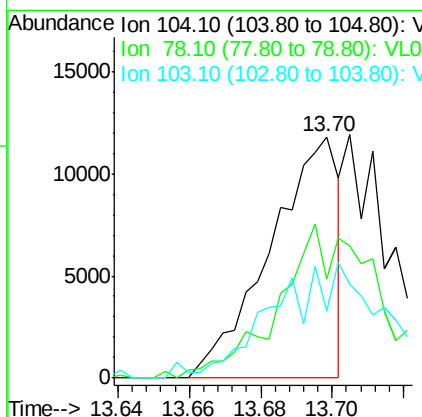
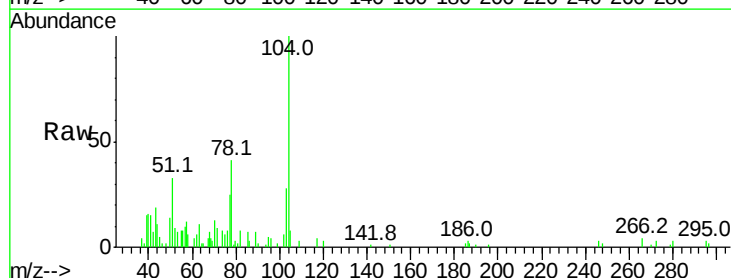
Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA-DUP-110118

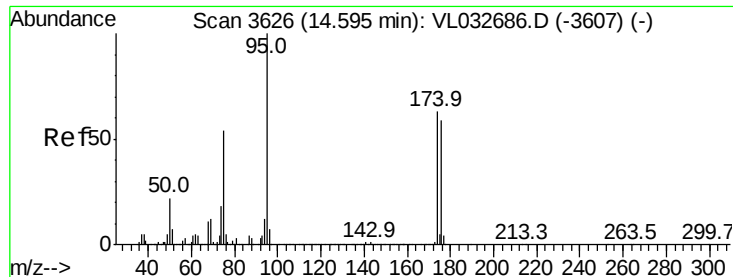
Tgt Ion: 91 Resp: 36762
Ion Ratio Lower Upper
91 100
106 91.9 22.1 66.1#



#61
Styrene
Concen: 0.071 ppbv
RT: 13.70 min Scan# 3347
Delta R.T. -0.00 min
Lab File: VL032716.D
Acq: 7 Nov 2018 14:20

Tgt Ion: 104 Resp: 15673
Ion Ratio Lower Upper
104 100
78 99.1 42.8 64.2#
103 0.0 37.4 56.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.185 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA-DUP-110118

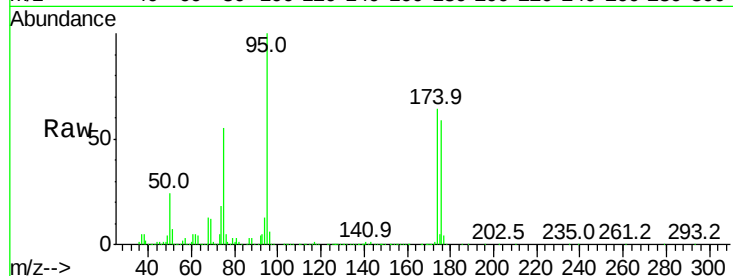
Tgt Ion: 95 Resp: 2511732

Ion Ratio Lower Upper

95 100

174 64.1 46.0 69.0

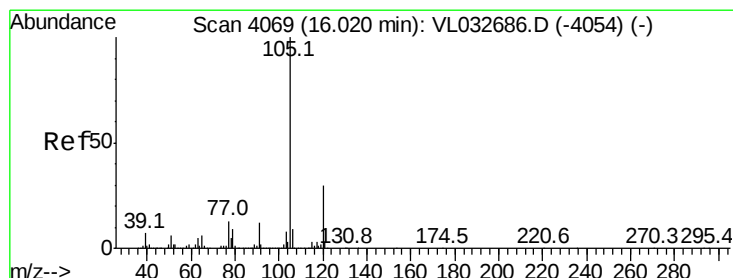
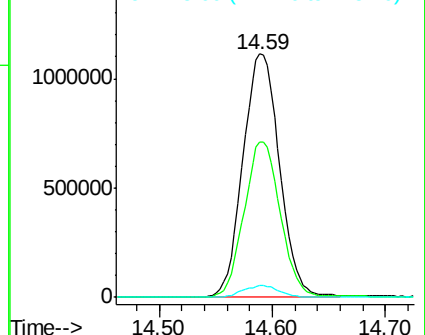
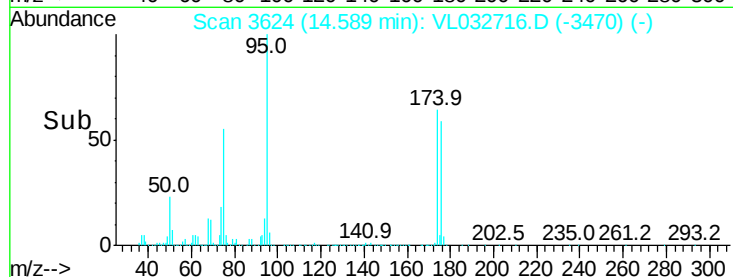
175 4.9 3.4 5.0



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: 0.059 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Tgt Ion: 105 Resp: 20650

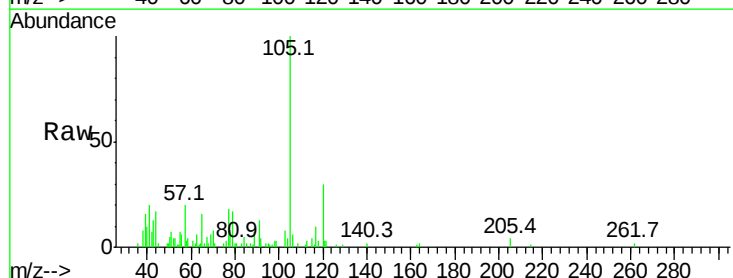
Ion Ratio Lower Upper

105 100

120 34.7 23.7 35.5

91 34.4 10.4 15.6#

77 29.5 11.4 17.2#

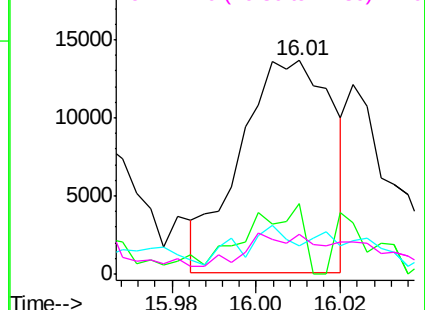
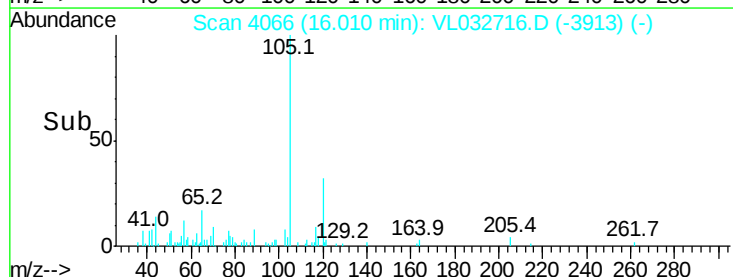


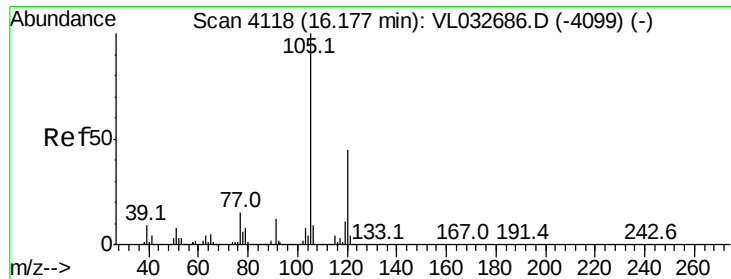
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.053 ppbv

RT: 16.17 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

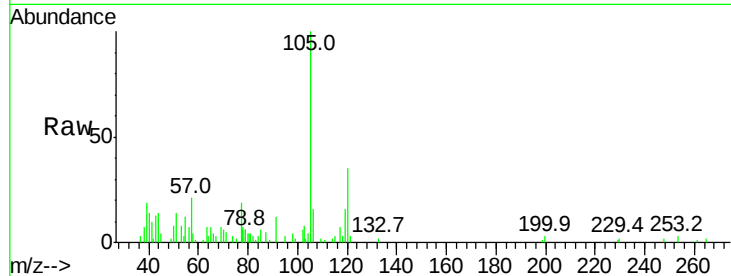
LIHA-IA-DUP-110118

Tgt Ion:105 Resp: 18171

Ion Ratio Lower Upper

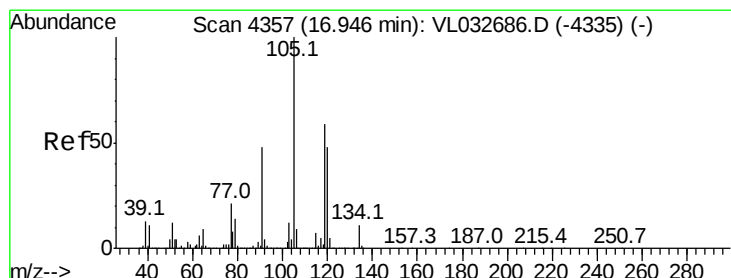
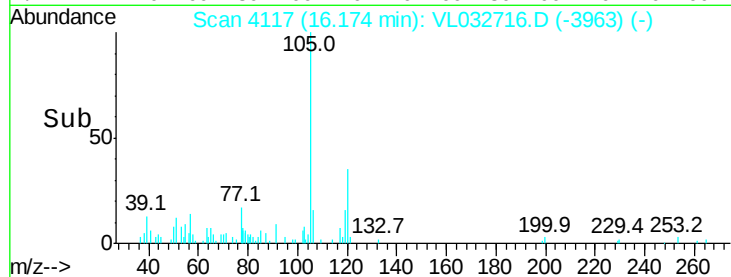
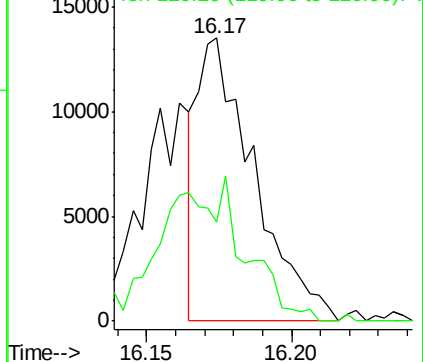
105 100

120 34.8 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: 0.353 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Tgt Ion:105 Resp: 129207

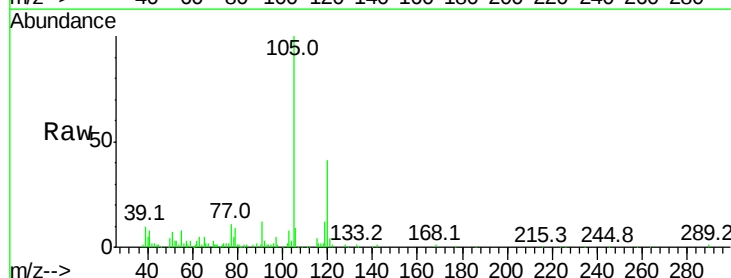
Ion Ratio Lower Upper

105 100

120 39.8 35.8 53.8

91 11.2 33.2 49.8#

77 10.5 16.2 24.4#

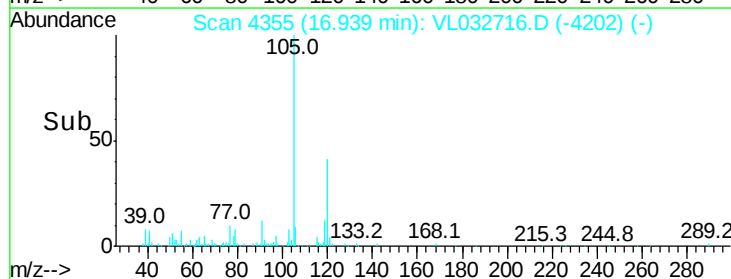
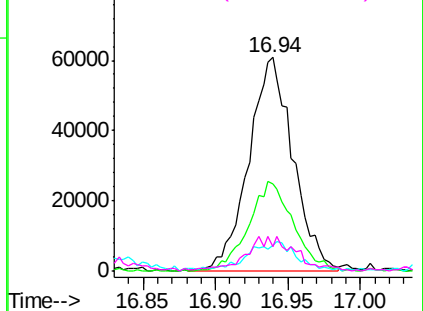


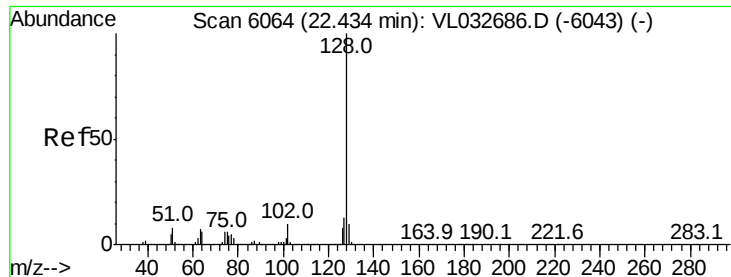
Abundance Ion 105.10 (104.80 to 105.80): V

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





#79

Naphthalene

Concen: 0.036 ppbv

RT: 22.42 min Scan# 6061

Delta R.T. -0.01 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA-DUP-110118

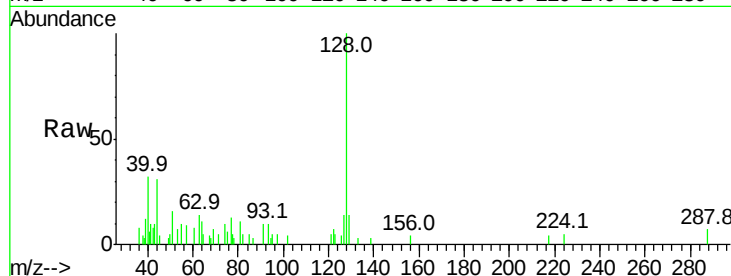
Tgt Ion:128 Resp: 8281

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

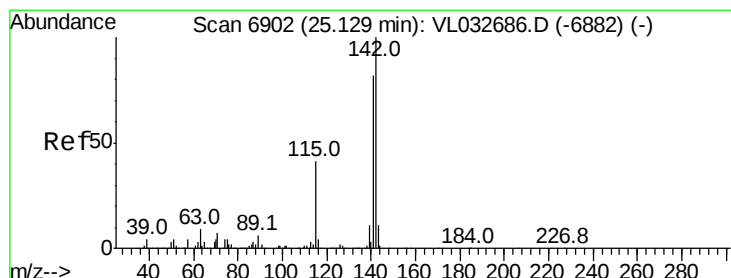
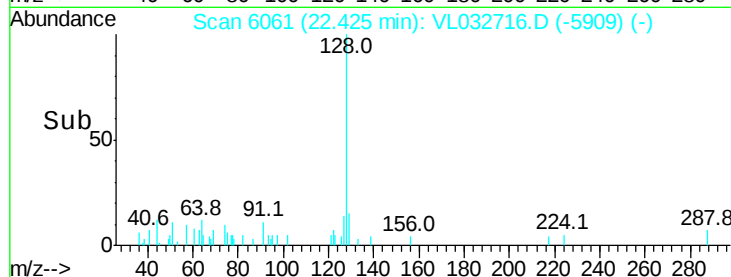
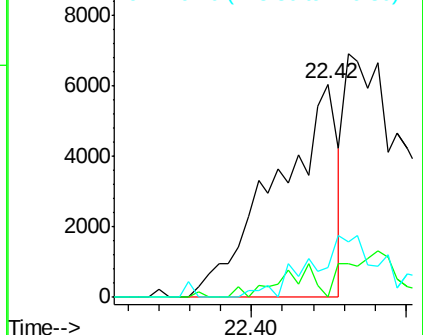
129 6.8 8.6 13.0#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.048 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. -0.00 min

Lab File: VL032716.D

Acq: 7 Nov 2018 14:20

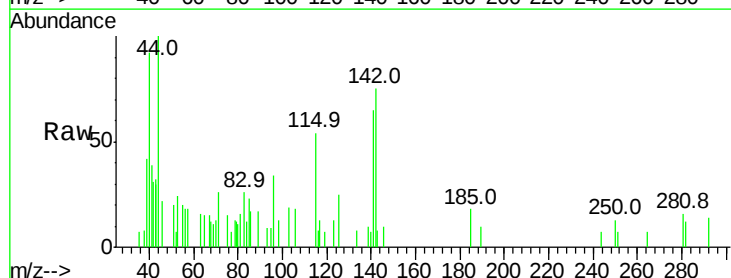
Tgt Ion:142 Resp: 2661

Ion Ratio Lower Upper

142 100

141 138.8 67.5 101.3#

115 55.9 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

