

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110718\
 Data File : VL032736.D
 Acq On : 8 Nov 2018 3:41
 Operator : SY/AP
 Sample : J5823-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-02DL

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 12:30:25 PM

Quant Time: Nov 12 10:15:25 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 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	5.76	49	1333077	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.30	114	3312126	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.25	117	3235789	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2493071	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	19987	0.466	ppbv	93
13) Ethanol	3.64	45	898758	73.294	ppbv	96
15) Acetone	3.90	43	1503030	12.210	ppbv	97
19) Isopropyl Alcohol	4.03	45	72756	0.830	ppbv #	1
36) Benzene	7.01	78	79598	0.296	ppbv #	91
44) 2,2,4-Trimethylpentane	7.99	57	89732m	0.195	ppbv	
53) Toluene	9.95	91	1213864	3.937	ppbv	97
58) Ethyl Benzene	12.87	91	45775m	0.122	ppbv	
59) m/p-Xylene	13.14	91	163372m	0.488	ppbv	
60) o-Xylene	13.86	91	52494m	0.163	ppbv	

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

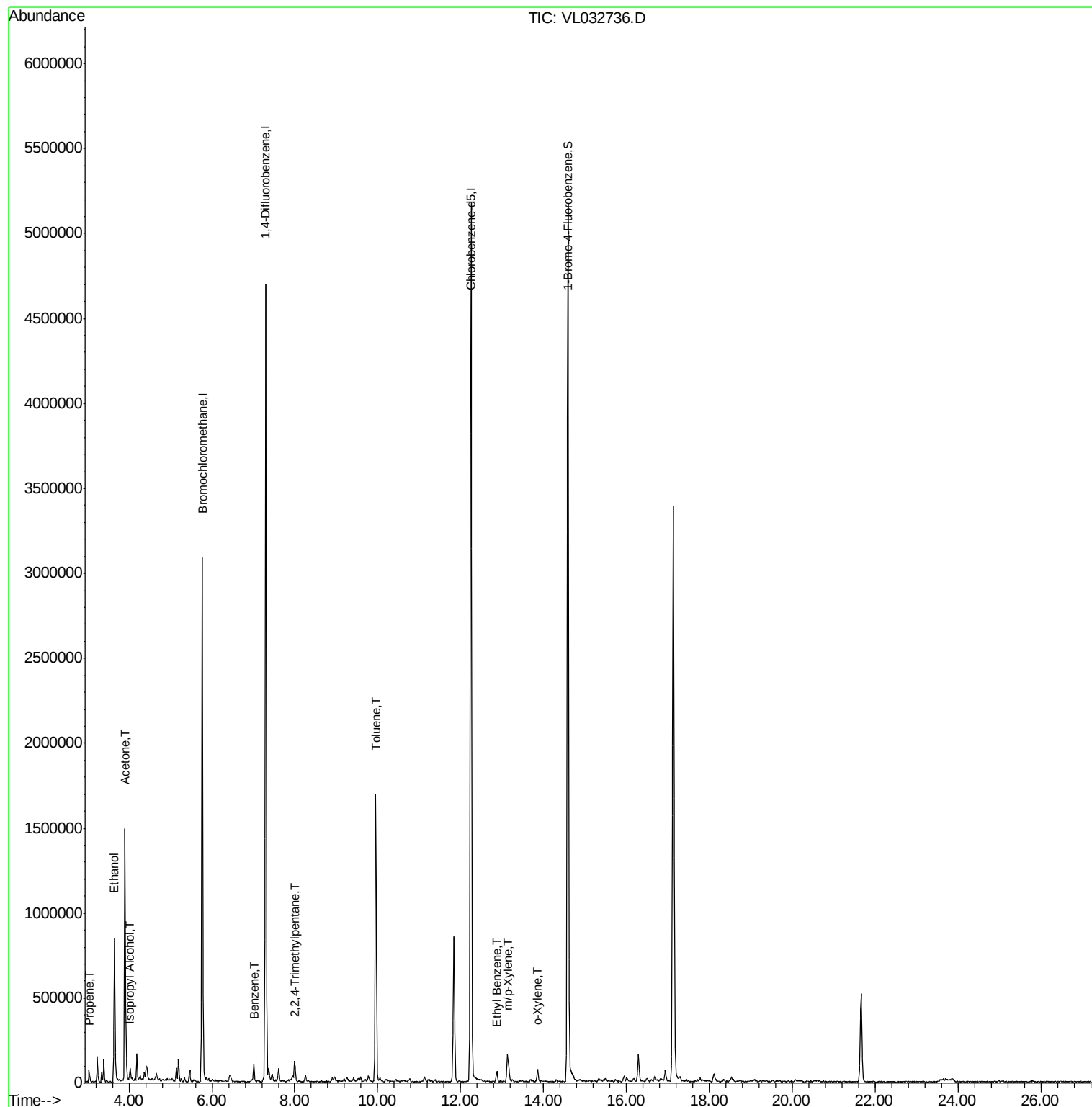
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110718\
Data File : VL032736.D
Acq On : 8 Nov 2018 3:41
Operator : SY/AP
Sample : J5823-06DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

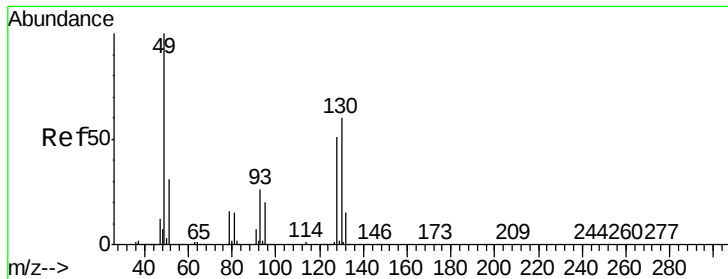
Instrument :
MSVOA_L
ClientSampleId :
IA-02DL

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:30:25 PM

Quant Time: Nov 12 10:15:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.02 min

Lab File: VL032736.D

Acq: 8 Nov 2018 3:41

Instrument :

MSVOA_L

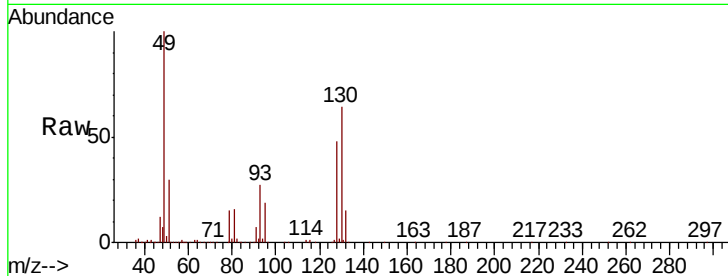
ClientSampleID :

IA-02DL

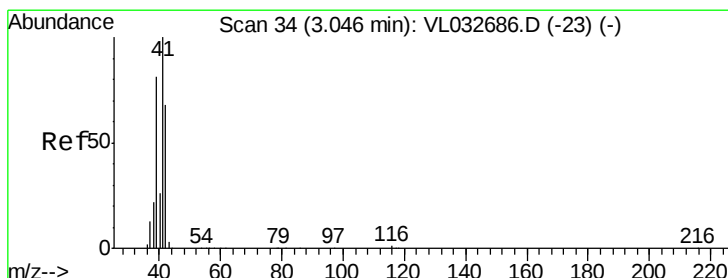
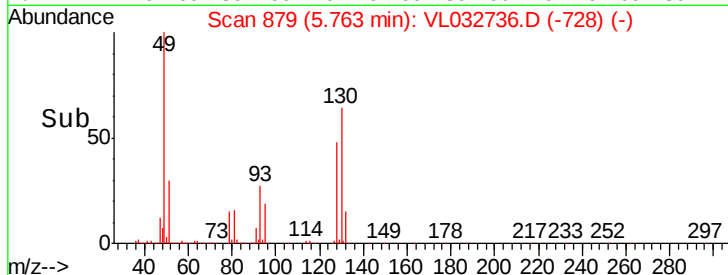
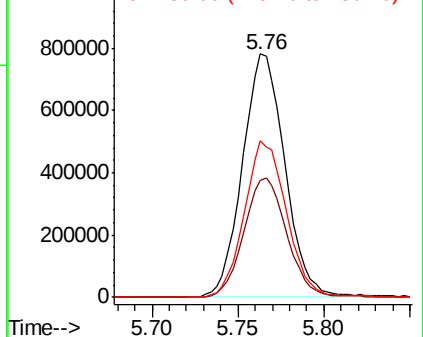
Tot Ion:	49	Resp:	1333077
Ion	Ratio	Lower	Upper
49	100		
128	49.9	22.3	66.8
130	64.4	28.4	85.3

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:30:25 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.466 ppbv

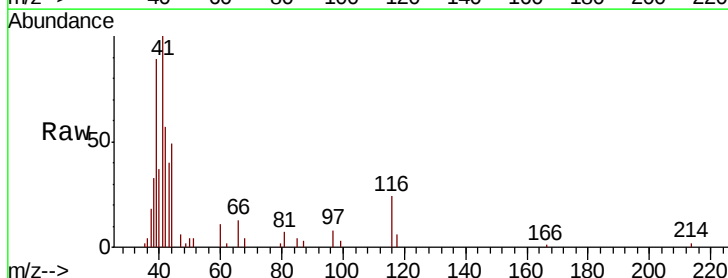
RT: 3.04 min Scan# 31

Delta R.T. -0.01 min

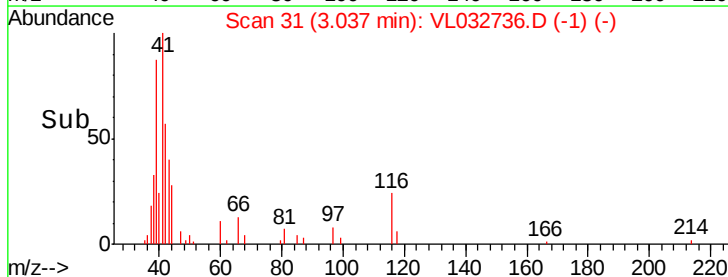
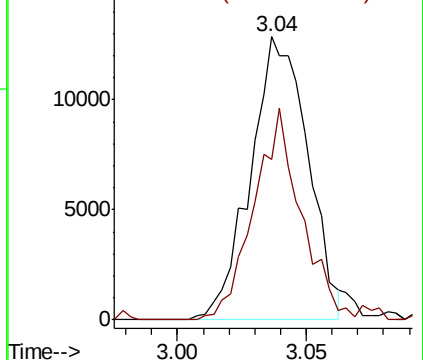
Lab File: VL032736.D

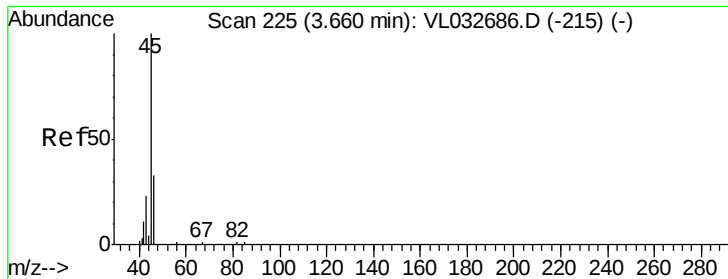
Acq: 8 Nov 2018 3:41

Tgt Ion:	41	Resp:	19987
Ion	Ratio	Lower	Upper
41	100		
42	63.7	55.4	83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





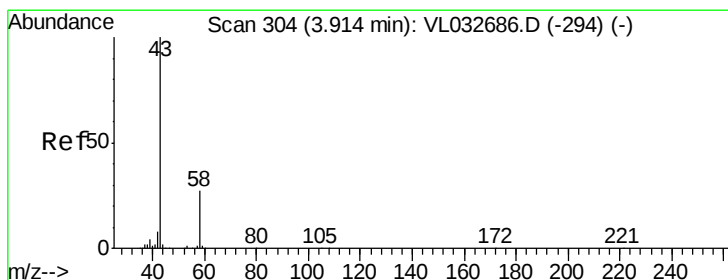
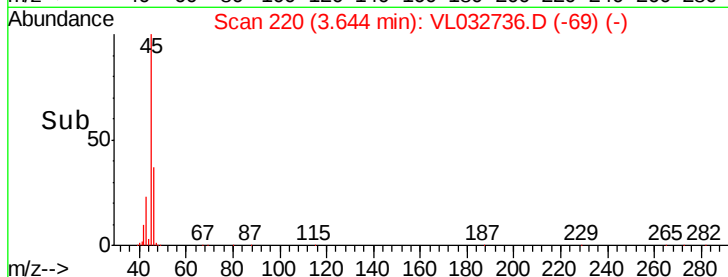
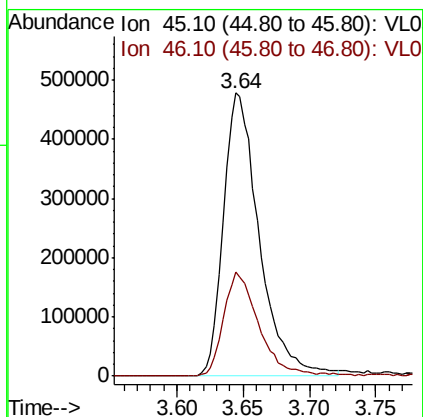
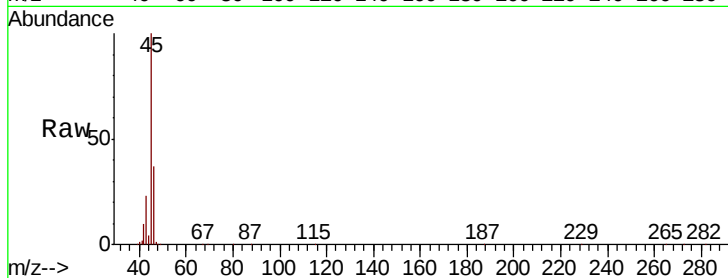
#13
Ethanol
Concen: 73.294 ppbv
RT: 3.64 min Scan# 220
Delta R.T. -0.02 min
Lab File: VL032736.D
Acq: 8 Nov 2018 3:41

Instrument :
MSVOA_L
ClientSampled :
IA-02DL

Tot Ion: 45 Resp: 898758
Ion Ratio Lower Upper
45 100
46 36.4 15.4 61.8

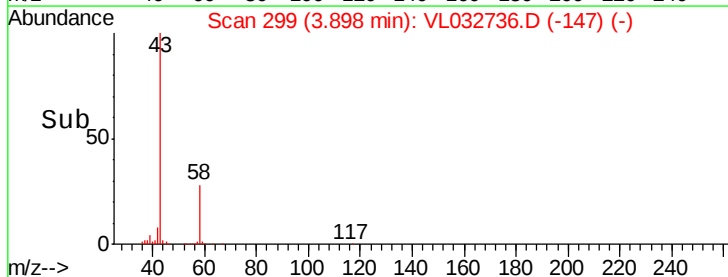
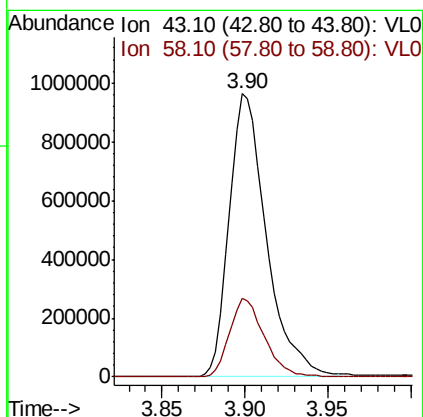
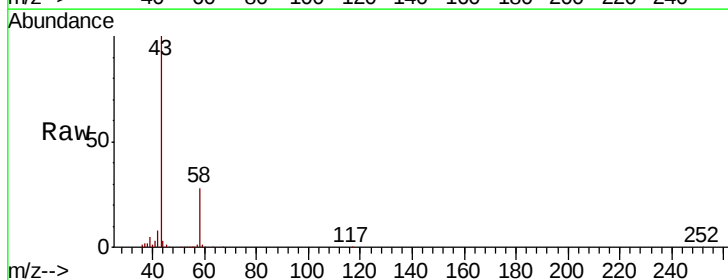
Manual Integrations
APPROVED

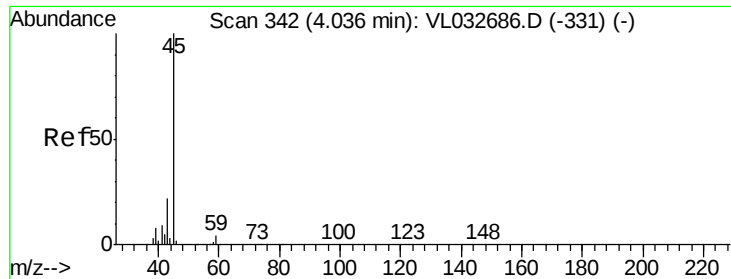
MMDadoda
11/12/2018 12:30:25 PM



#15
Acetone
Concen: 12.210 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL032736.D
Acq: 8 Nov 2018 3:41

Tgt Ion: 43 Resp: 1503030
Ion Ratio Lower Upper
43 100
58 26.1 22.1 33.1





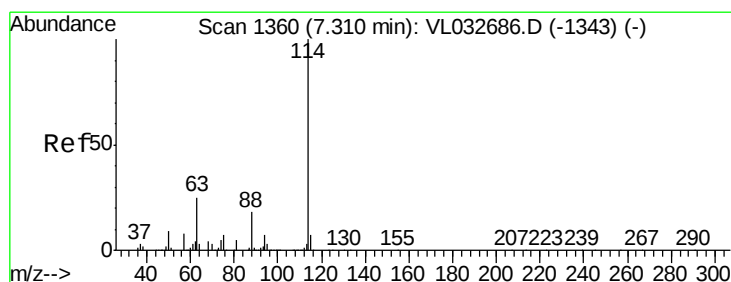
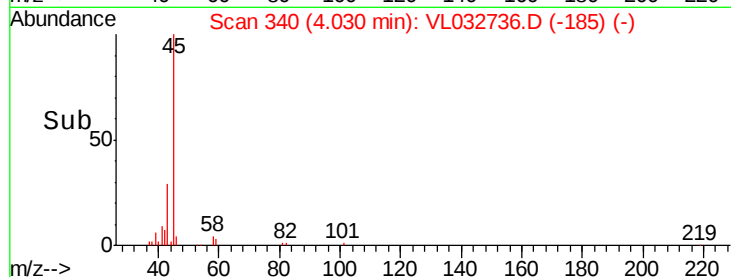
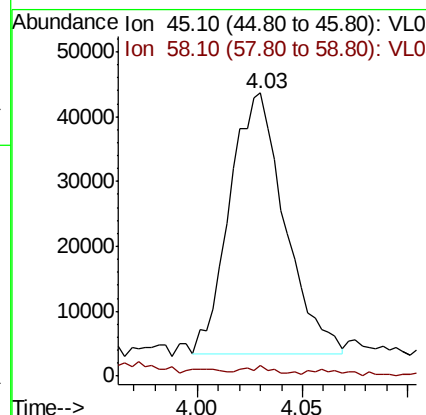
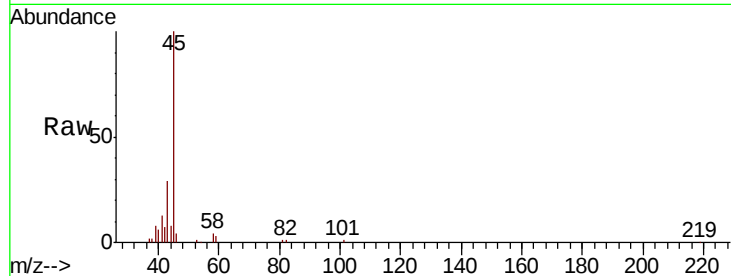
#19
Isopropyl Alcohol
Concen: 0.830 ppbv
RT: 4.03 min Scan# 340
Delta R.T. -0.00 min
Lab File: VL032736.D
Acq: 8 Nov 2018 3:41

Instrument :
MSVOA_L
ClientSampleId :
IA-02DL

Tot Ion: 45 Resp: 72756
Ion Ratio Lower Upper
45 100
58 539.3 2.0 3.0#

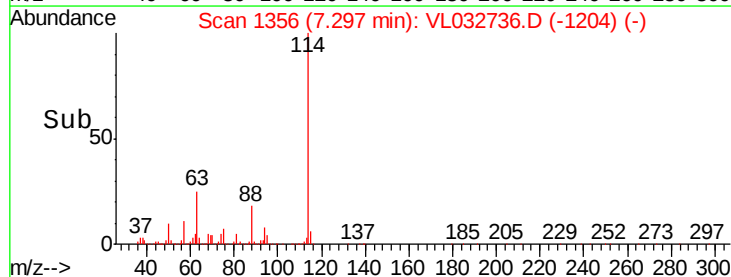
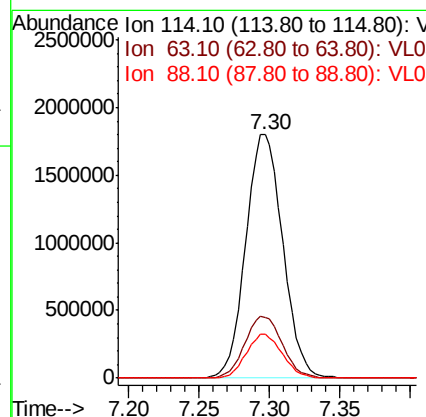
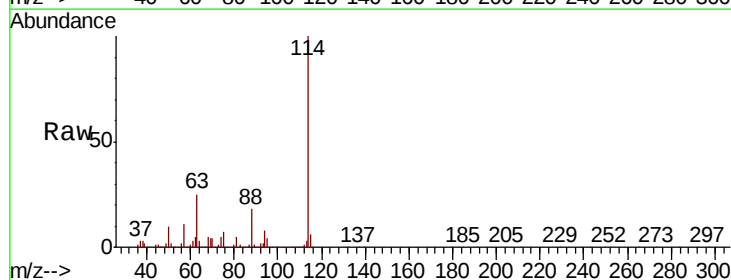
Manual Integrations
APPROVED

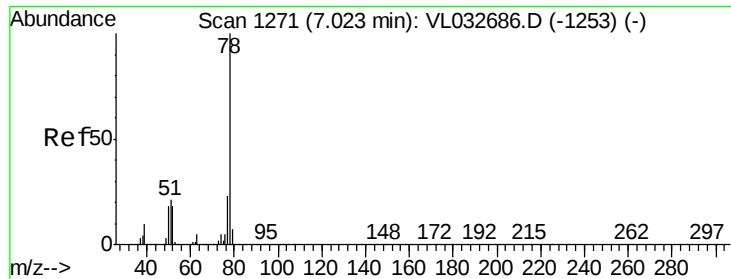
MMDadoda
11/12/2018 12:30:25 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032736.D
Acq: 8 Nov 2018 3:41

Tgt Ion: 114 Resp: 3312126
Ion Ratio Lower Upper
114 100
63 25.8 21.7 32.5
88 17.7 14.9 22.3





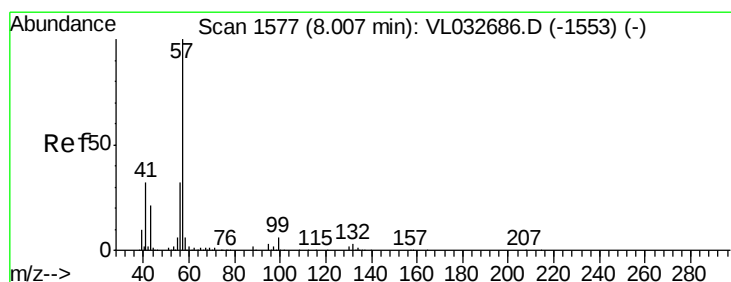
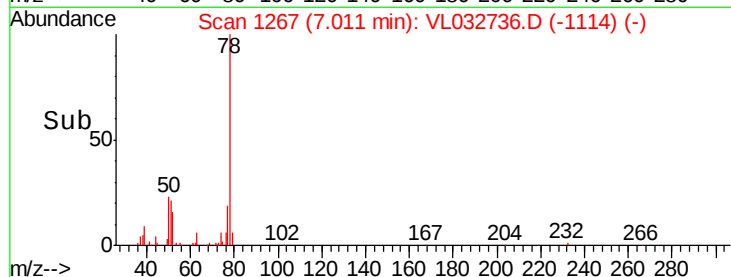
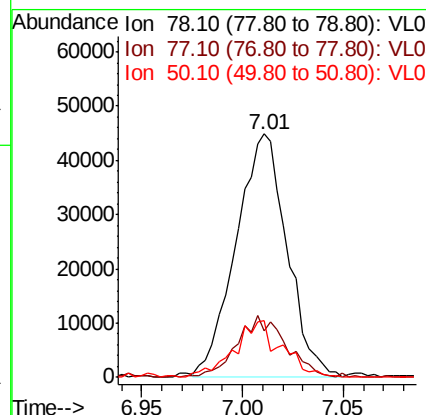
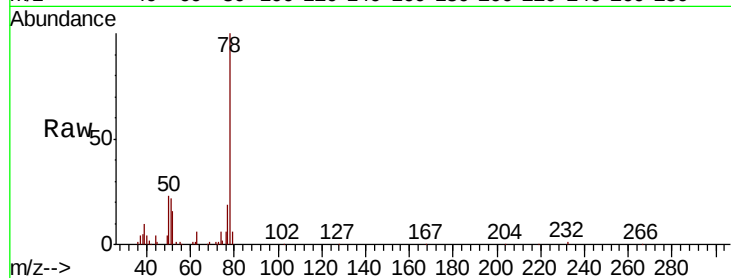
#36
Benzene
Concen: 0.296 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032736.D
Acq: 8 Nov 2018 3:41

Instrument :
MSVOA_L
ClientSampleId :
IA-02DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.1	27.1
50	23.1	15.1	22.7#

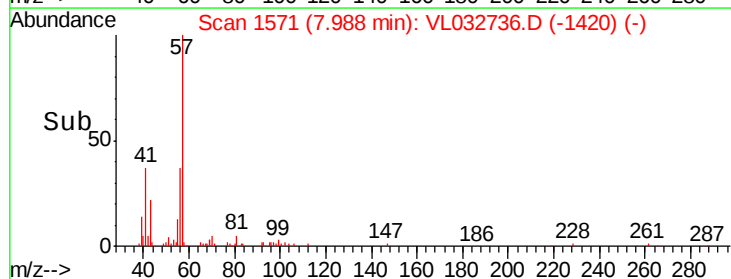
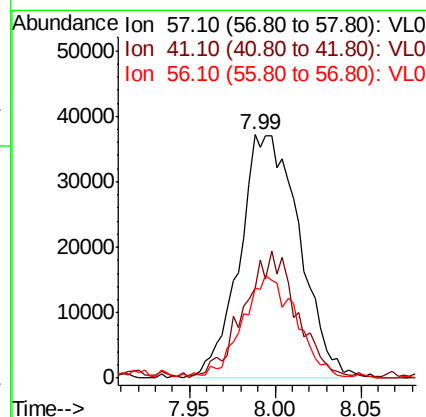
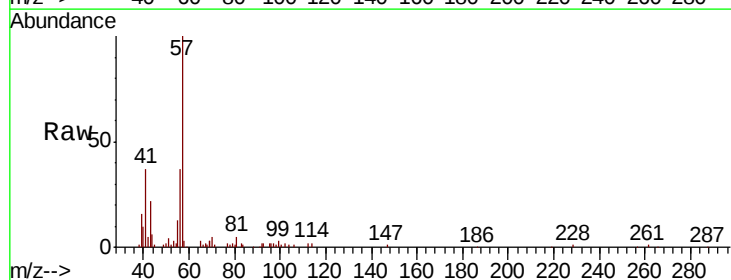
Manual Integrations
APPROVED

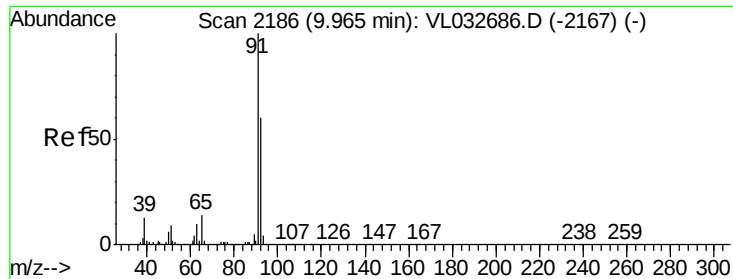
MMDadoda
11/12/2018 12:30:25 PM



#44
2,2,4-Trimethylpentane
Concen: 0.195 ppbv m
RT: 7.99 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VL032736.D
Acq: 8 Nov 2018 3:41

Tgt Ion	Ratio	Lower	Upper
57	100		
41	46.9	24.7	37.1#
56	39.0	25.0	37.4#





#53

Toluene

Concen: 3.937 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032736.D

Acq: 8 Nov 2018 3:41

Instrument :

MSVOA_L

ClientSampleId :

IA-02DL

Tot Ion: 91 Resp: 1213864

Ion Ratio Lower Upper

91 100

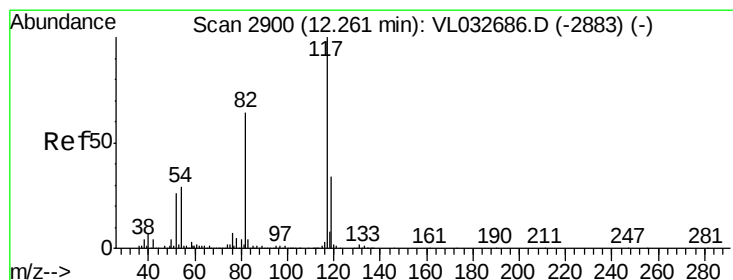
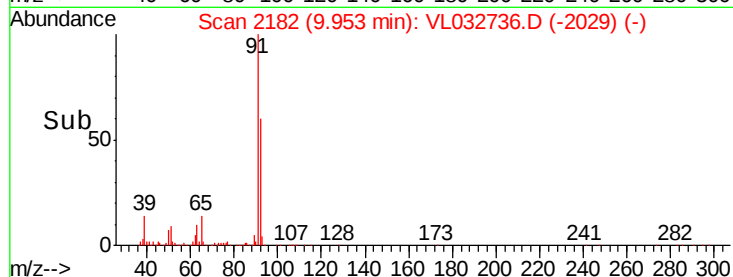
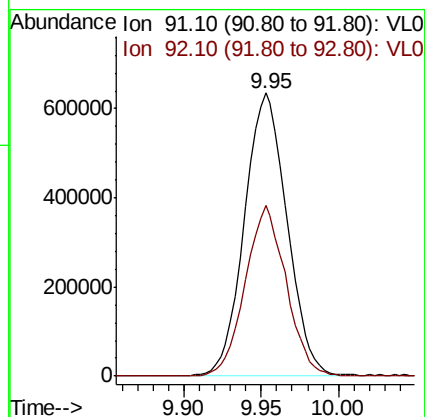
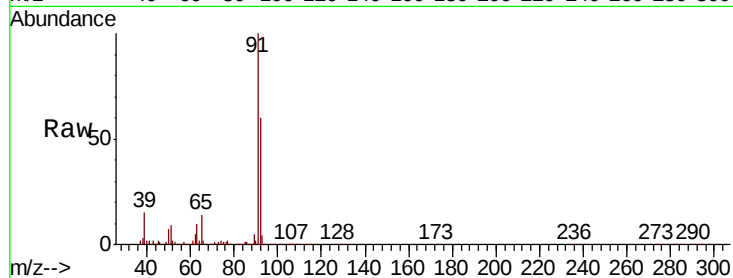
92 58.3 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:30:25 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL032736.D

Acq: 8 Nov 2018 3:41

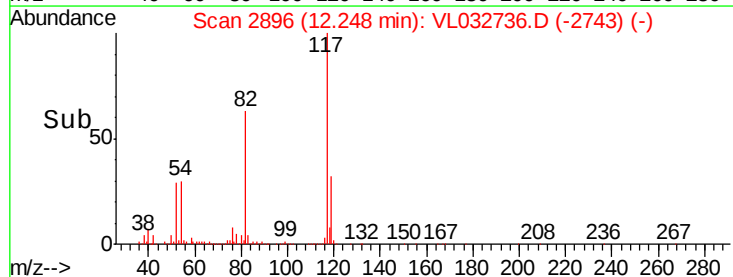
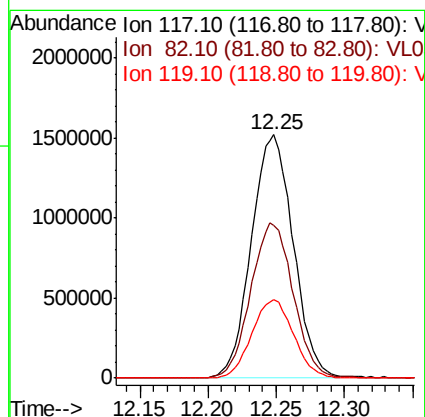
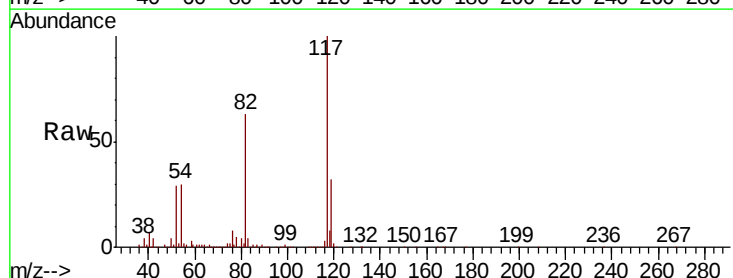
Tgt Ion: 117 Resp: 3235789

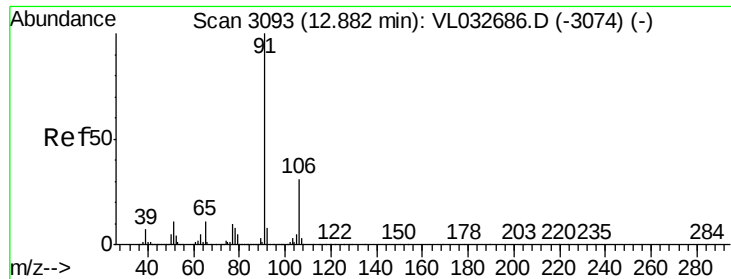
Ion Ratio Lower Upper

117 100

82 64.9 52.7 79.1

119 32.5 26.7 40.1





#58

Ethyl Benzene

Concen: 0.122 ppbv m

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL032736.D

Acq: 8 Nov 2018 3:41

Instrument :

MSVOA_L

ClientSampled :

IA-02DL

Tot Ion: 91 Resp: 45775

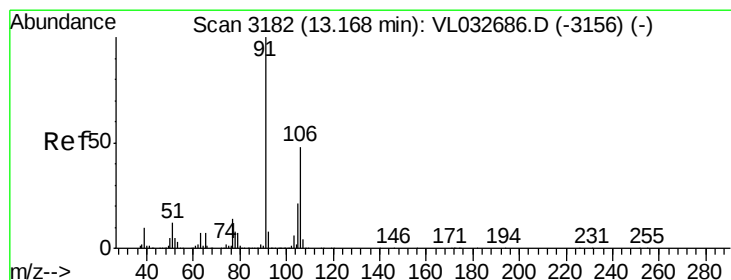
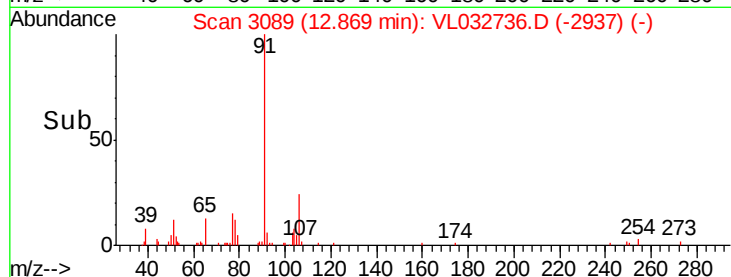
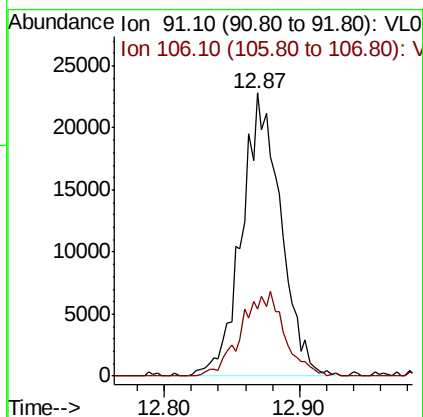
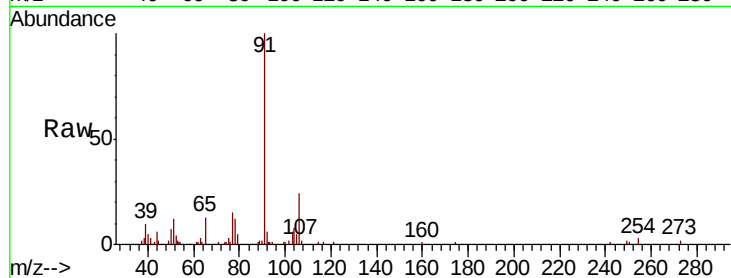
Ion Ratio Lower Upper

91 100

106 23.7 24.2 36.2#

Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:30:25 PM



#59

m/p-Xylene

Concen: 0.488 ppbv m

RT: 13.14 min Scan# 3172

Delta R.T. -0.03 min

Lab File: VL032736.D

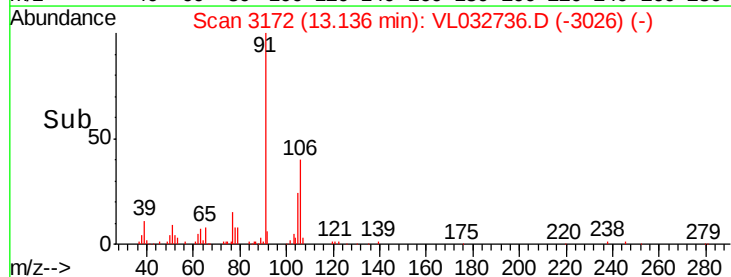
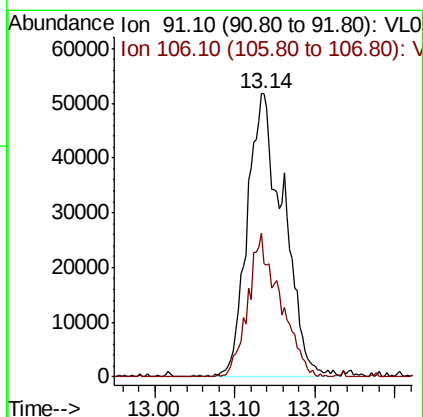
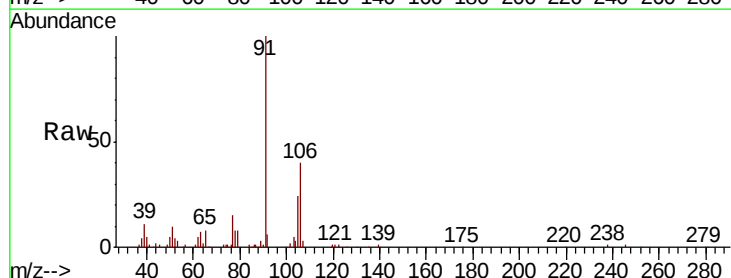
Acq: 8 Nov 2018 3:41

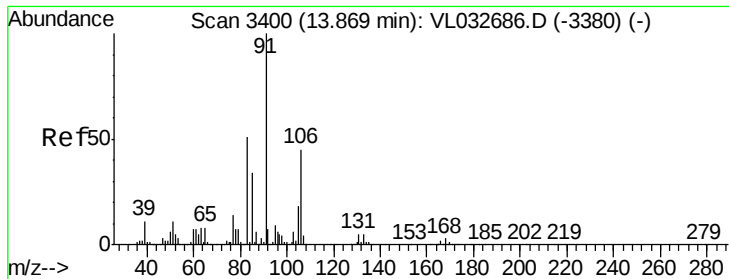
Tgt Ion: 91 Resp: 163372

Ion Ratio Lower Upper

91 100

106 0.0 35.9 53.9#





#60

o-Xylene

Concen: 0.163 ppbv m

RT: 13.86 min Scan# 3398

Delta R.T. -0.01 min

Lab File: VL032736.D

Acq: 8 Nov 2018 3:41

Instrument :

MSVOA_L

ClientSampled :

IA-02DL

Tot Ion: 91 Resp: 52494

Ion Ratio Lower Upper

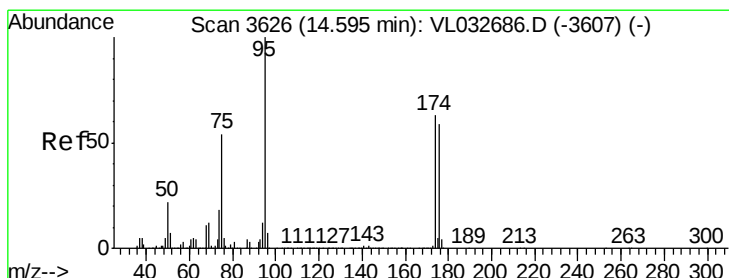
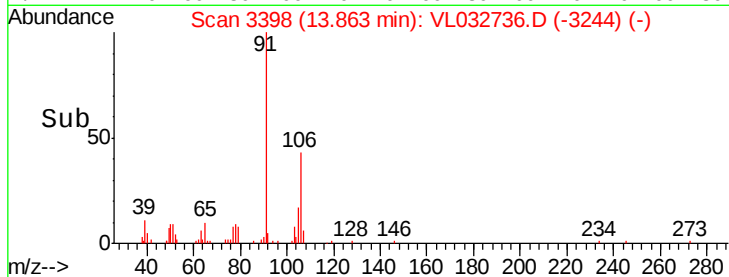
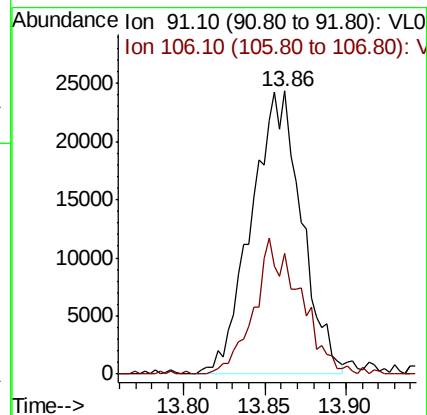
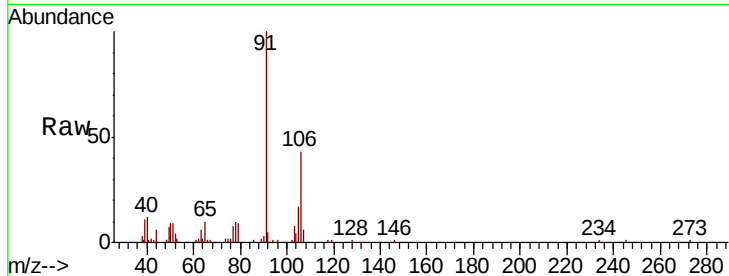
91 100

106 44.3 22.1 66.1

Manual Integrations
APPROVED

MMDadoda

11/12/2018 12:30:25 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.348 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL032736.D

Acq: 8 Nov 2018 3:41

Tgt Ion: 95 Resp: 2493071

Ion Ratio Lower Upper

95 100

174 63.9 46.0 69.0

175 4.6 3.4 5.0

