

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032458.D
 Acq On : 5 Sep 2018 15:21
 Operator : SY/AP
 Sample : J4717-02DL 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-04DL

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:45:51 AM

Quant Time: Sep 06 15:56:59 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1693924	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.33	114	3443841	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.29	117	3258940	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2523322	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds

						Ovalue
9) Propene	3.06	41	902896	14.60	ppbv	94
13) Ethanol	3.68	45	24293	1.26	ppbv #	39
15) Acetone	3.93	43	1450798	9.51	ppbv	98
16) 1,3-Butadiene	3.38	39	132244m	1.84	ppbv	
17) tert-Butyl alcohol	4.41	59	53244	2.27	ppbv #	100
26) Hexane	5.82	57	123146	0.76	ppbv #	39
34) 2-Butanone	5.38	43	216460	0.95	ppbv	97
36) Benzene	7.04	78	77320	0.26	ppbv	97
53) Toluene	10.00	91	186939	0.61	ppbv	98
58) Ethyl Benzene	12.91	91	61008	0.16	ppbv	94
59) m/p-Xylene	13.17	91	190405m	0.55	ppbv	
60) o-Xylene	13.90	91	71140m	0.21	ppbv	
74) 1,2,4-Trimethylbenzene	16.97	105	97955	0.24	ppbv #	76

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

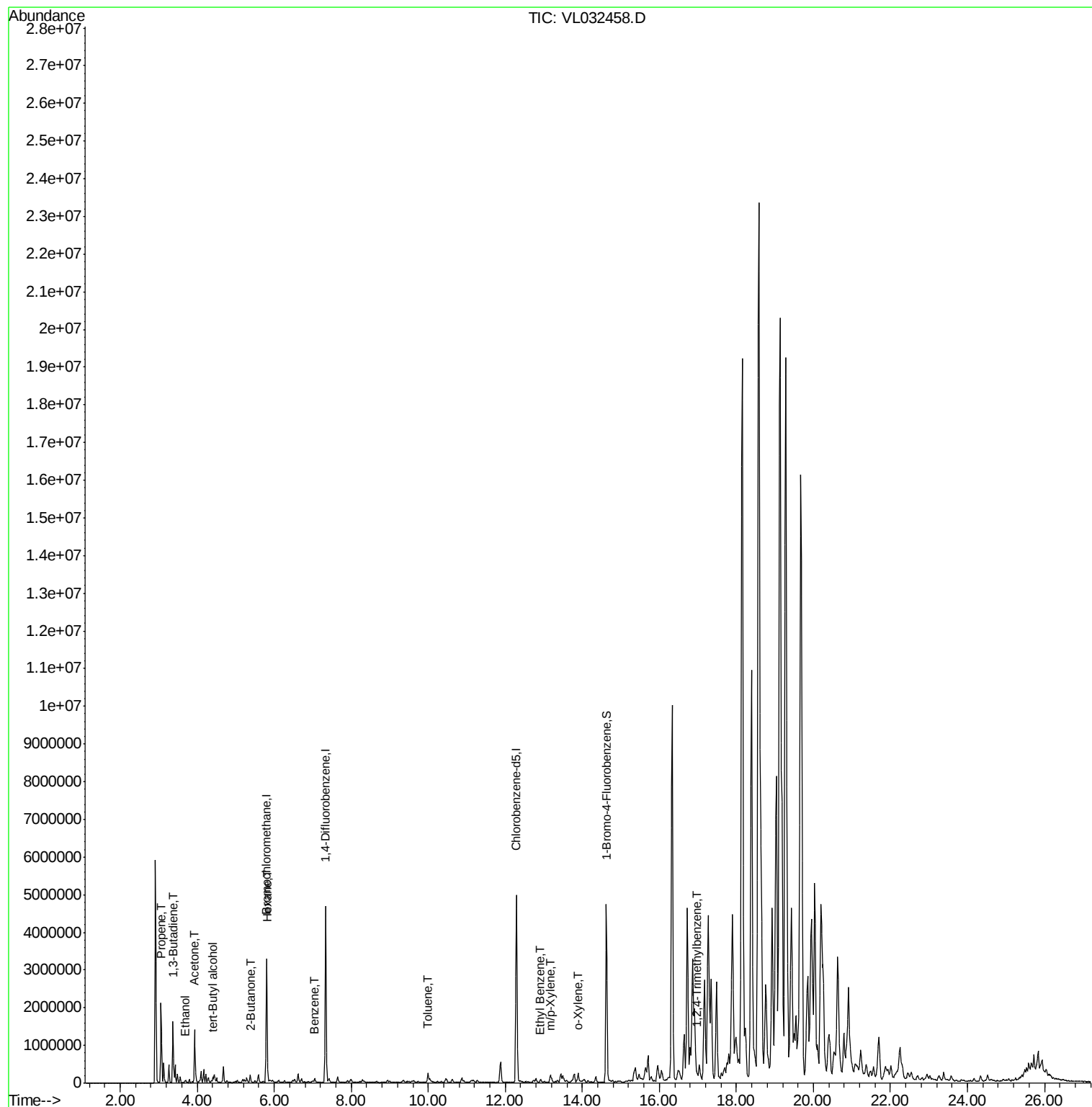
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090518\
Data File : VL032458.D
Acq On : 5 Sep 2018 15:21
Operator : SY/AP
Sample : J4717-02DL 20X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-04DL

Manual Integrations
APPROVED

MMDadoda
9/7/2018 10:45:51 AM

Quant Time: Sep 06 15:56:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.80 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VL032458.D

Acq: 5 Sep 2018 15:21

Instrument :

MSVOA_L

ClientSampleId :

VP-04DL

Tot Ion: 49 Resp: 1693924

Ion Ratio Lower Upper

49 100

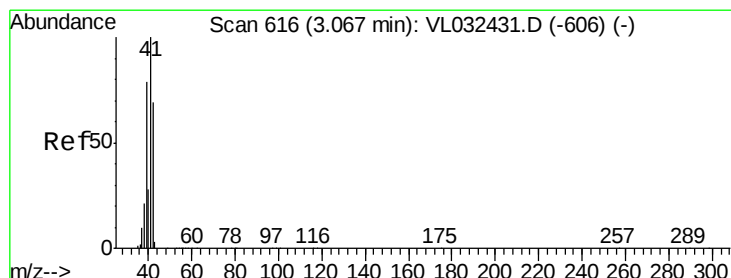
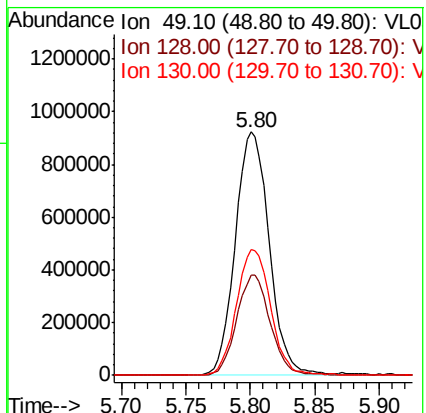
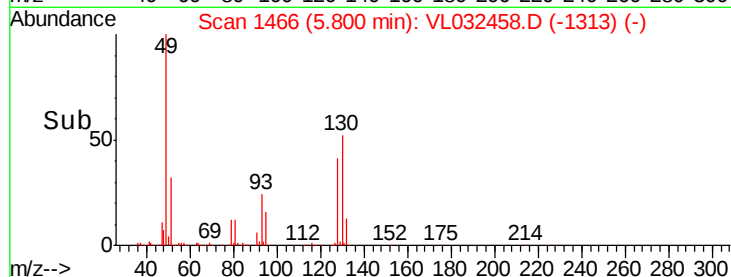
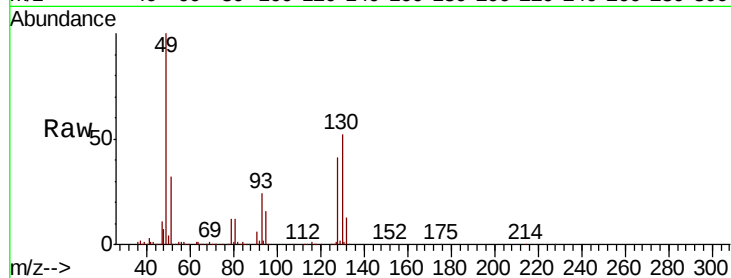
128 40.8 20.7 62.1

130 52.6 26.6 79.7

Manual Integrations
APPROVED

MMDadoda

9/7/2018 10:45:51 AM



#9

Propene

Concen: 14.60 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.01 min

Lab File: VL032458.D

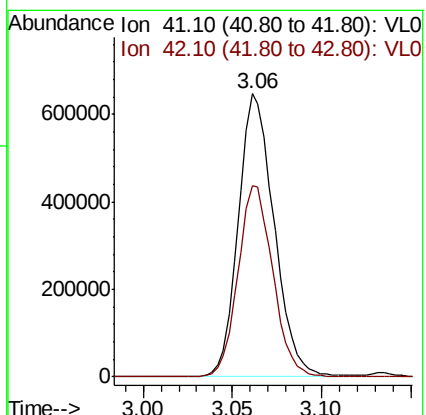
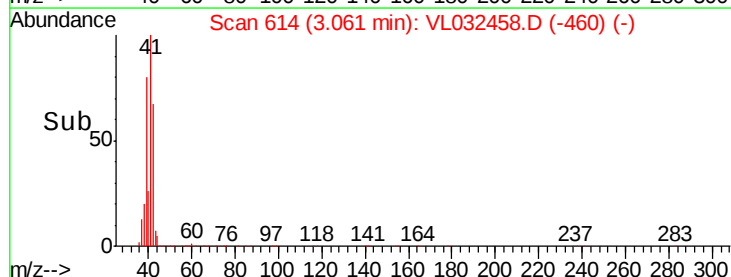
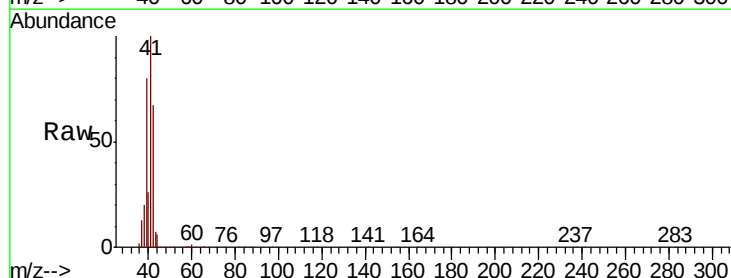
Acq: 5 Sep 2018 15:21

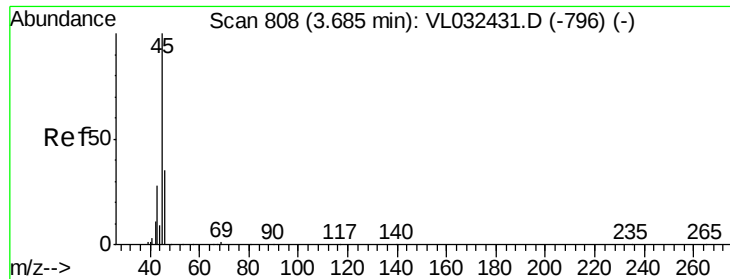
Tgt Ion: 41 Resp: 902896

Ion Ratio Lower Upper

41 100

42 66.0 56.6 84.8





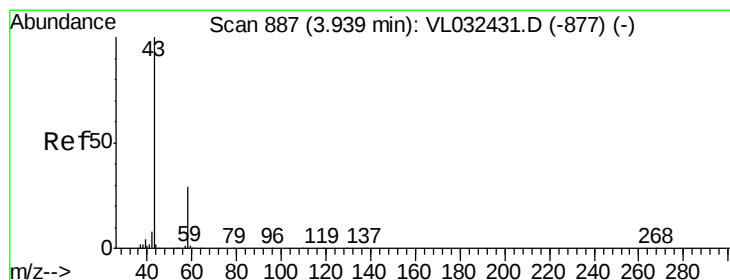
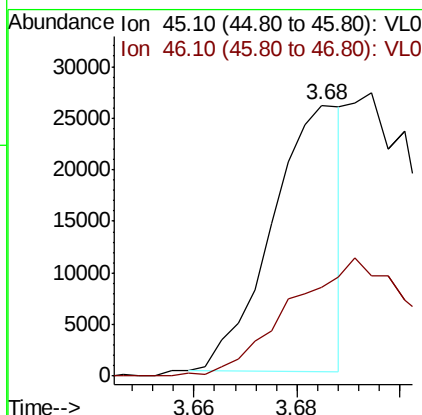
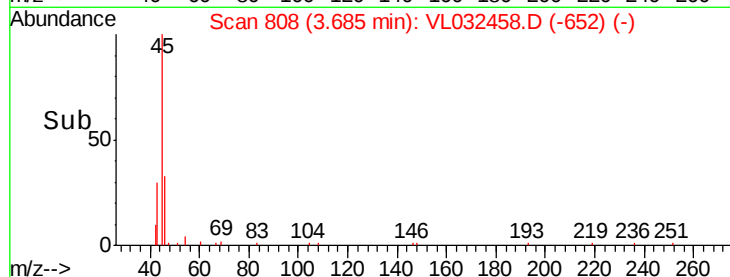
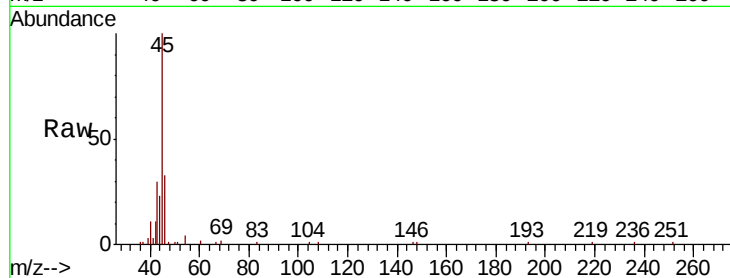
#13
Ethanol
Concen: 1.26 ppbv
RT: 3.68 min Scan# 808
Delta R.T. 0.00 min
Lab File: VL032458.D
Acq: 5 Sep 2018 15:21

Instrument :
MSVOA_L
ClientSampleId :
VP-04DL

Tot Ion: 45 Resp: 24293
Ion Ratio Lower Upper
45 100
46 0.0 14.2 56.8#

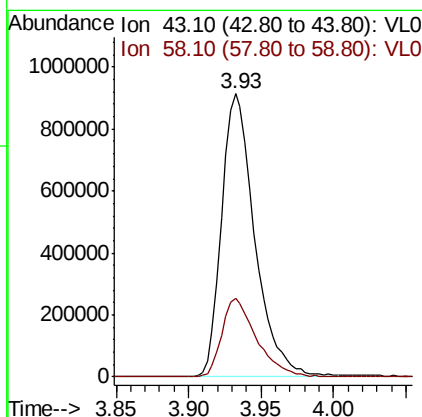
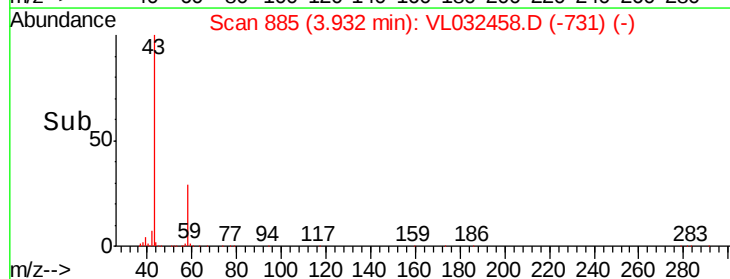
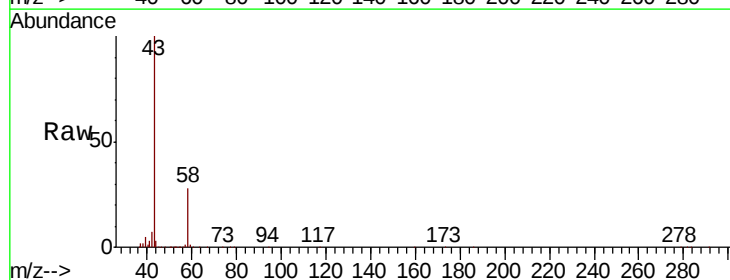
Manual Integrations
APPROVED

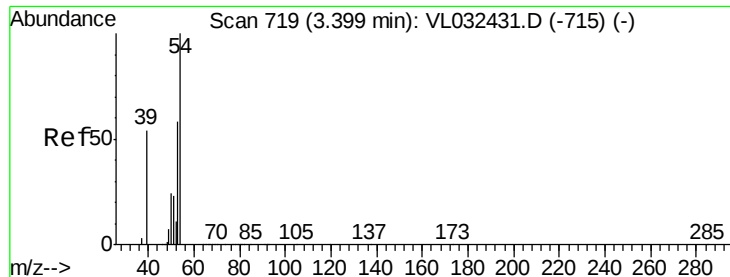
MMDadoda
9/7/2018 10:45:51 AM



#15
Acetone
Concen: 9.51 ppbv
RT: 3.93 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032458.D
Acq: 5 Sep 2018 15:21

Tgt Ion: 43 Resp: 1450798
Ion Ratio Lower Upper
43 100
58 29.2 22.6 33.8





#16

1,3-Butadiene

Concen: 1.84 ppbv m

RT: 3.38 min Scan# 713

Delta R.T. -0.02 min

Lab File: VL032458.D

Acq: 5 Sep 2018 15:21

Instrument :

MSVOA_L

ClientSampleId :

VP-04DL

Tot Ion: 39 Resp: 132244

Ion Ratio Lower Upper

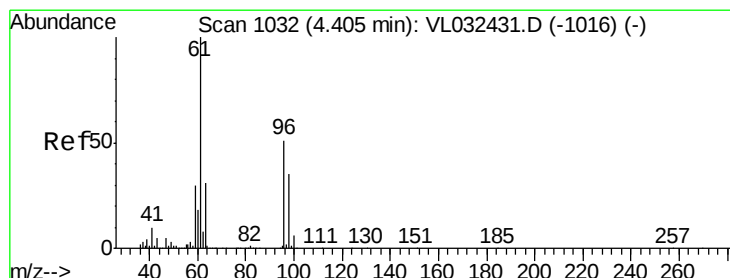
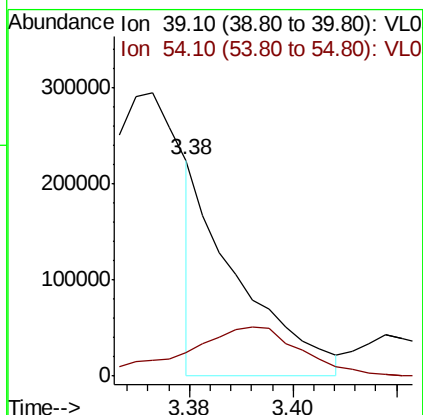
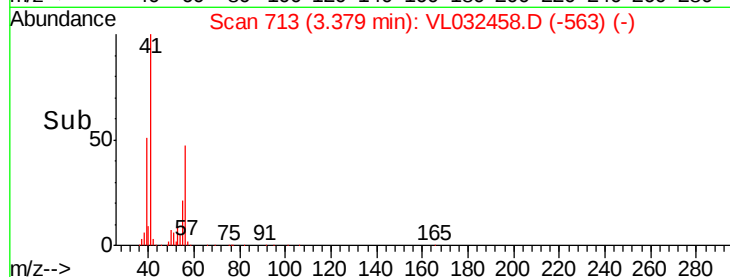
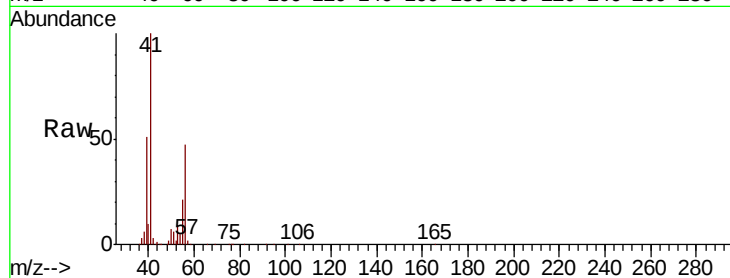
39 100

54 63.5 80.8 121.2#

Manual Integrations
APPROVED

MMDadoda

9/7/2018 10:45:51 AM



#17

tert-Butyl alcohol

Concen: 2.27 ppbv

RT: 4.41 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VL032458.D

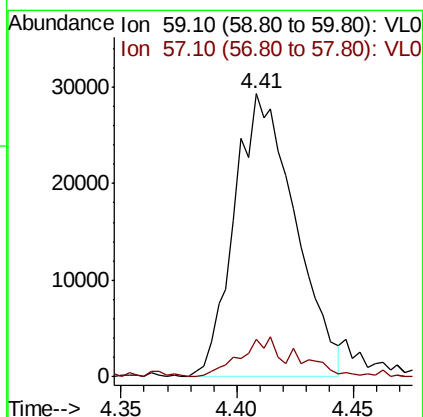
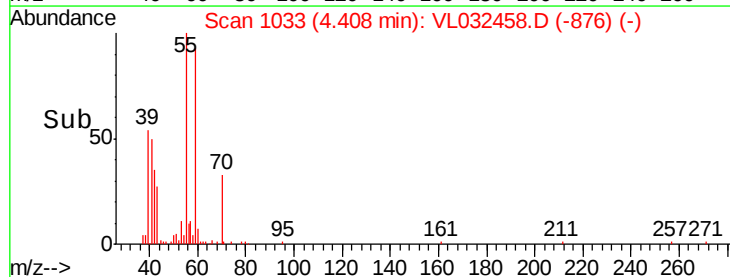
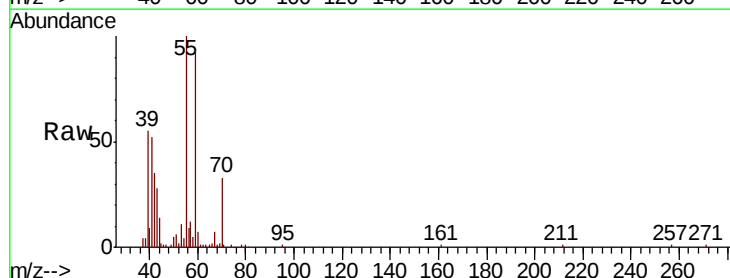
Acq: 5 Sep 2018 15:21

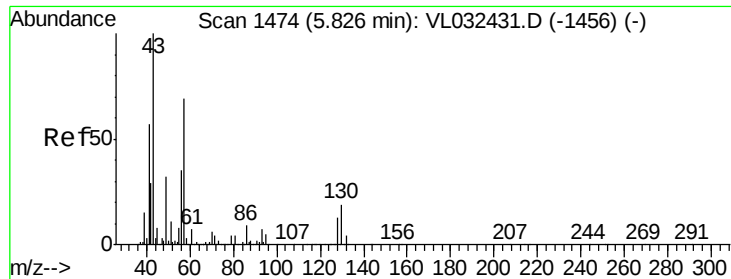
Tgt Ion: 59 Resp: 53244

Ion Ratio Lower Upper

59 100

57 13.8 0.0 0.0#





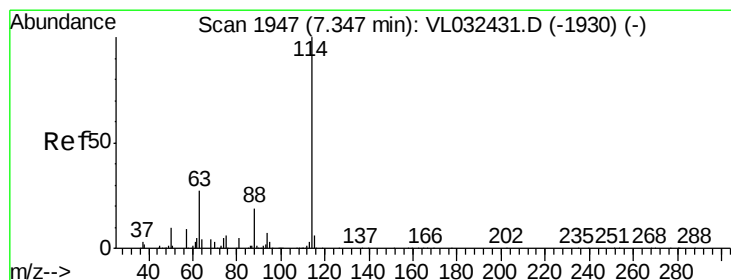
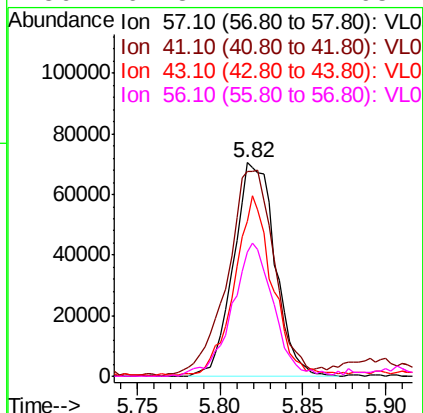
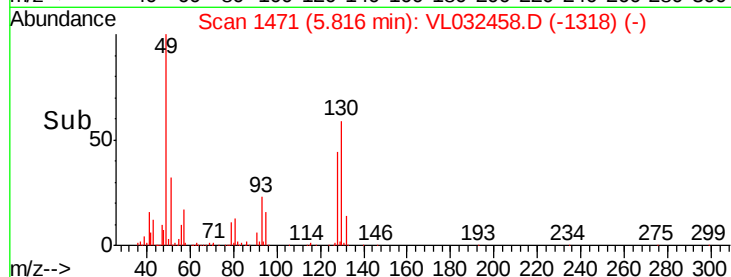
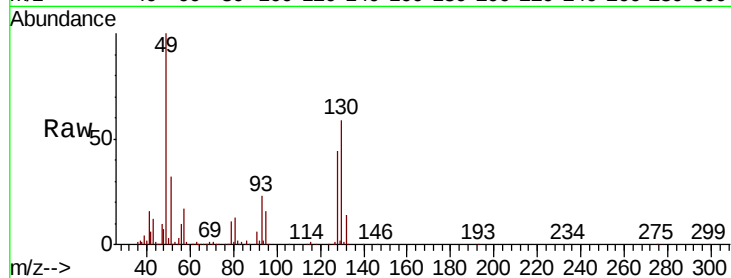
#26
Hexane
Concen: 0.76 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. -0.01 min
Lab File: VL032458.D
Acq: 5 Sep 2018 15:21

Instrument :
MSVOA_L
ClientSampleID :
VP-04DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	108.8	69.0	103.4#
43	77.3	172.1	258.1#
56	61.8	42.2	63.2

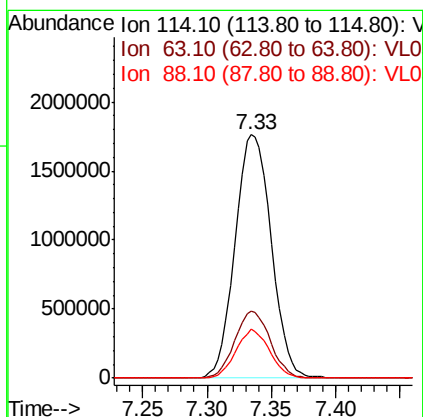
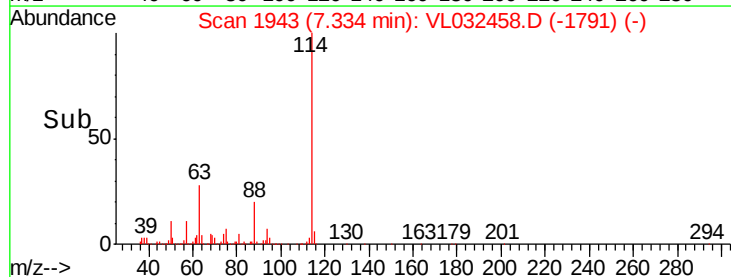
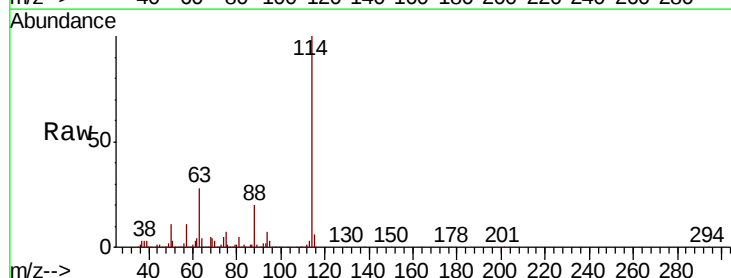
Manual Integrations
APPROVED

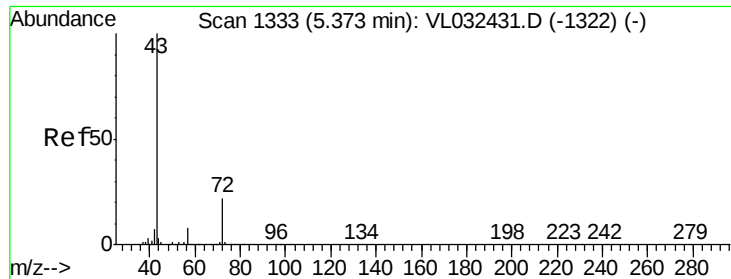
MMDadoda
9/7/2018 10:45:51 AM



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. -0.01 min
Lab File: VL032458.D
Acq: 5 Sep 2018 15:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.2	33.4
88	18.8	15.0	22.4





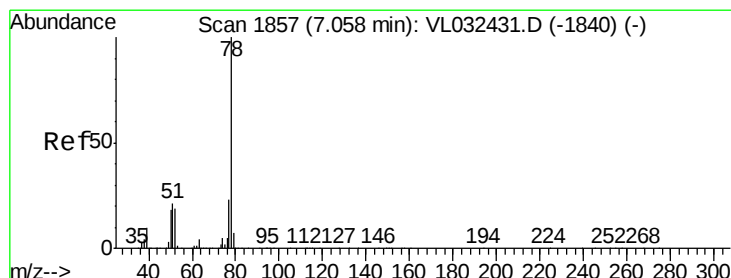
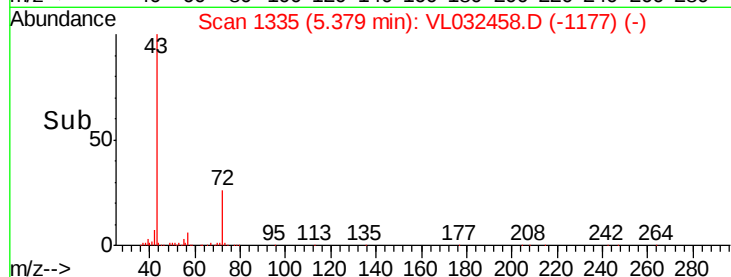
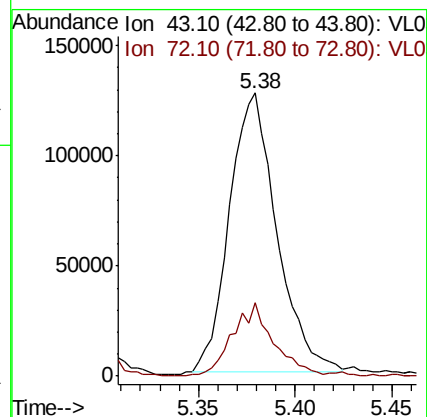
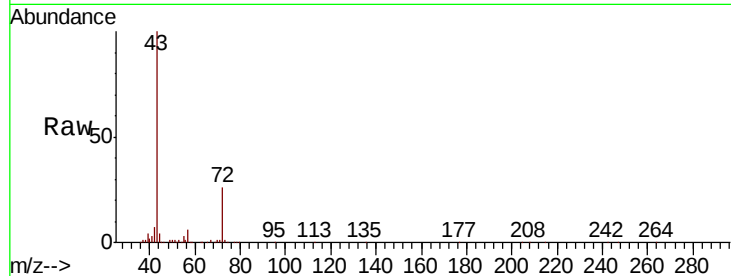
#34
2-Butanone
Concen: 0.95 ppbv
RT: 5.38 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VL032458.D
Acq: 5 Sep 2018 15:21

Instrument :
MSVOA_L
ClientSampled :
VP-04DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.8	26.6

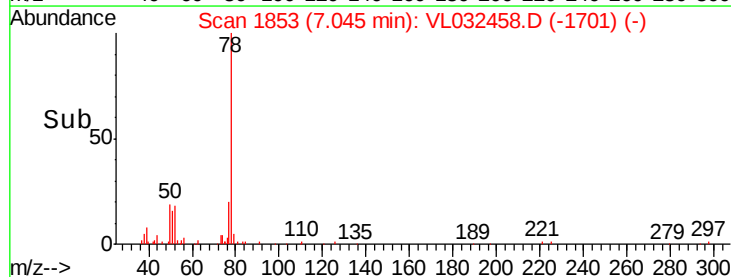
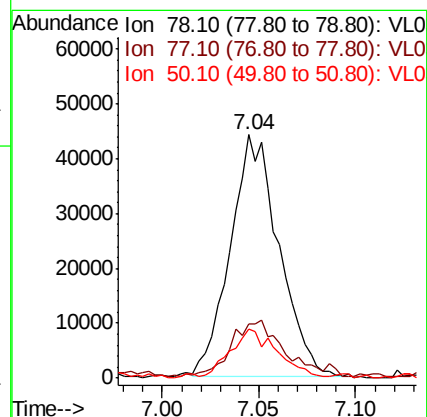
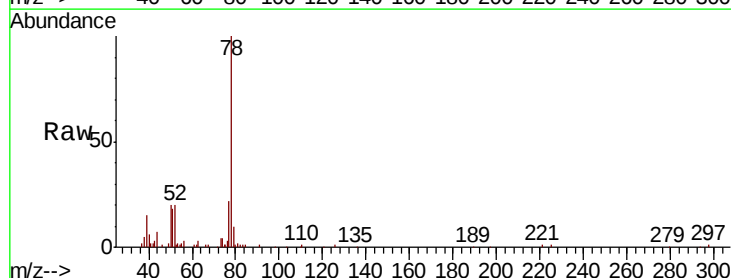
Manual Integrations
APPROVED

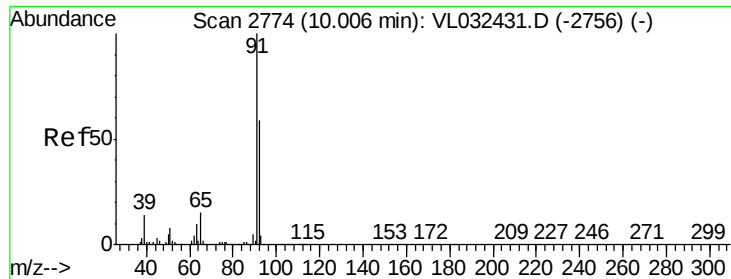
MMDadoda
9/7/2018 10:45:51 AM



#36
Benzene
Concen: 0.26 ppbv
RT: 7.04 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL032458.D
Acq: 5 Sep 2018 15:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.4	27.6
50	18.6	14.4	21.6





#53

Toluene

Concen: 0.61 ppbv

RT: 10.00 min Scan# 2771

Delta R.T. -0.01 min

Lab File: VL032458.D

Acq: 5 Sep 2018 15:21

Instrument :

MSVOA_L

ClientSampled :

VP-04DL

Tot Ion: 91 Resp: 186939

Ion Ratio Lower Upper

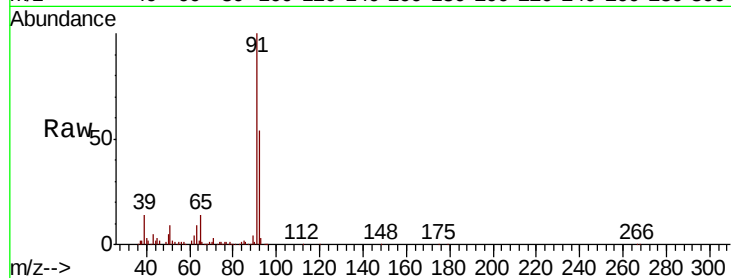
91 100

92 58.8 48.1 72.1

Manual Integrations
APPROVED

MMDadoda

9/7/2018 10:45:51 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

10.00

80000

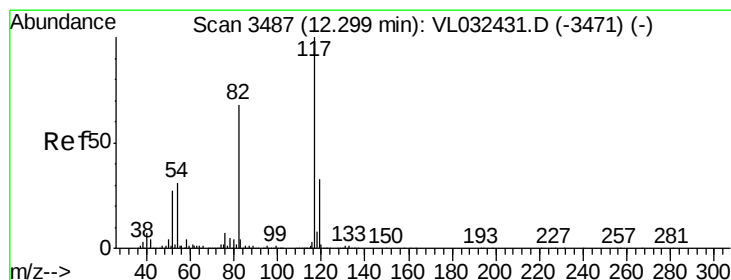
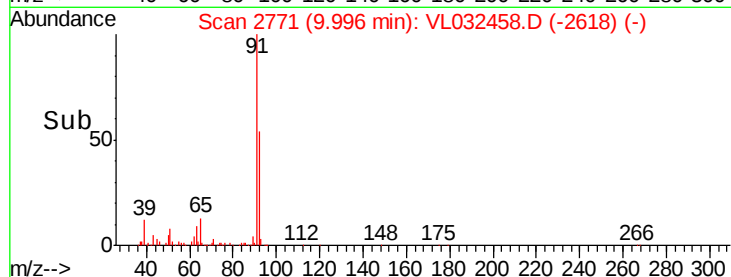
60000

40000

20000

0

Time--> 9.90 9.95 10.00 10.05



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.29 min Scan# 3484

Delta R.T. -0.01 min

Lab File: VL032458.D

Acq: 5 Sep 2018 15:21

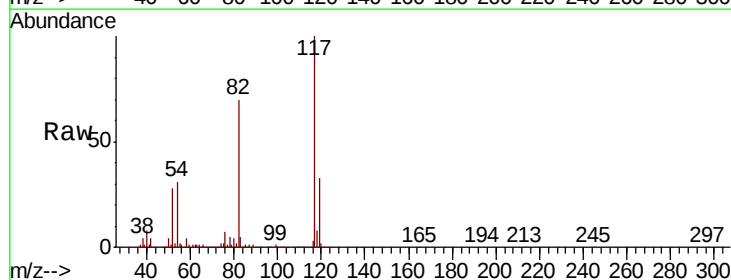
Tgt Ion: 117 Resp: 3258940

Ion Ratio Lower Upper

117 100

82 68.3 53.0 79.6

119 32.6 45.9 68.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

12.29

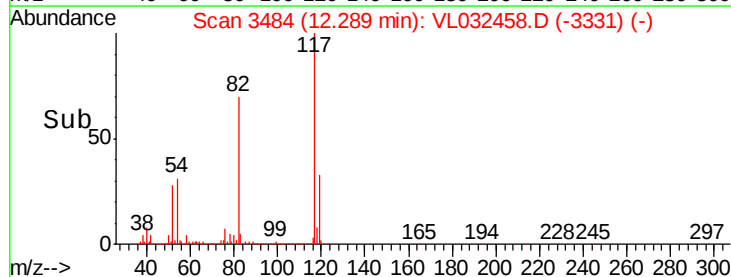
1500000

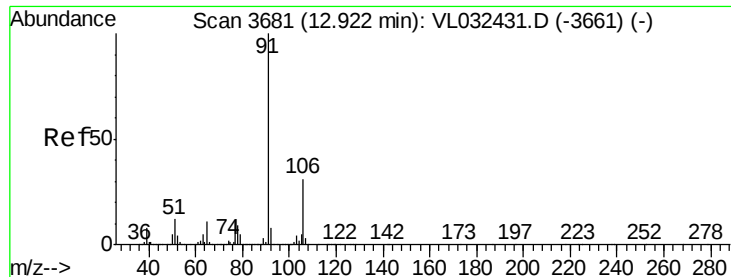
1000000

500000

0

Time--> 12.20 12.30





#58

Ethyl Benzene

Concen: 0.16 ppbv

RT: 12.91 min Scan# 3677

Delta R.T. -0.01 min

Lab File: VL032458.D

Acq: 5 Sep 2018 15:21

Instrument :

MSVOA_L

ClientSampleId :

VP-04DL

Tot Ion: 91 Resp: 61008

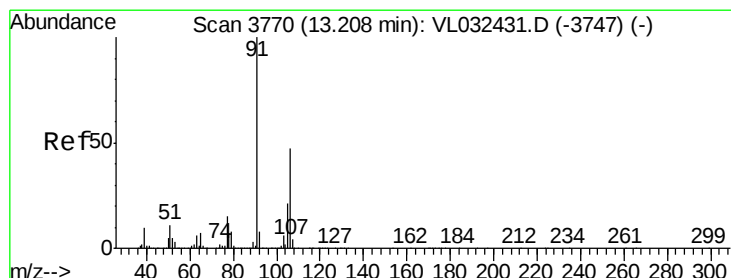
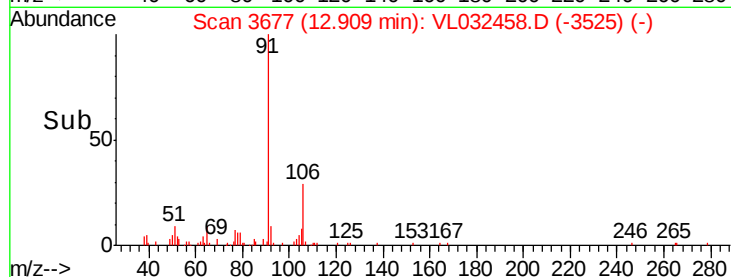
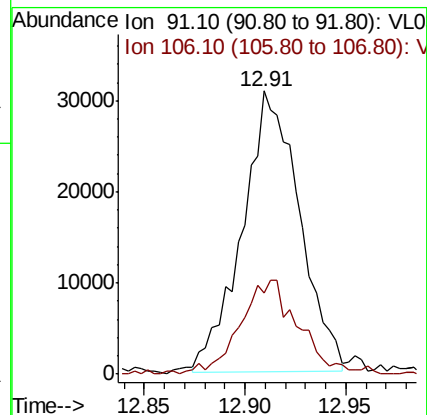
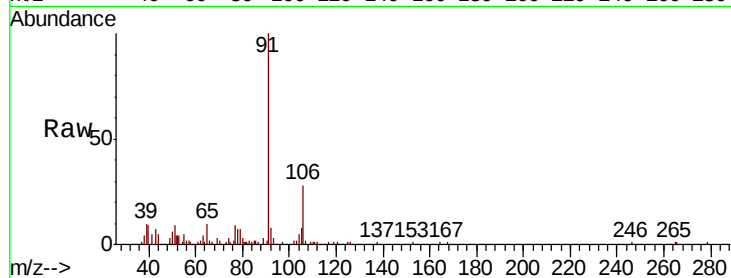
Ion Ratio Lower Upper

91 100

106 27.5 24.8 37.2

Manual Integrations
APPROVED

MMDadoda
9/7/2018 10:45:51 AM



#59

m/p-Xylene

Concen: 0.55 ppbv m

RT: 13.17 min Scan# 3759

Delta R.T. -0.04 min

Lab File: VL032458.D

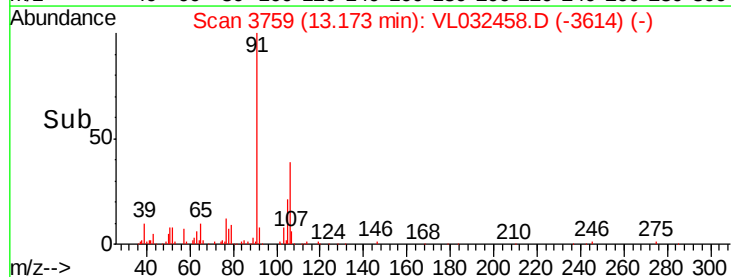
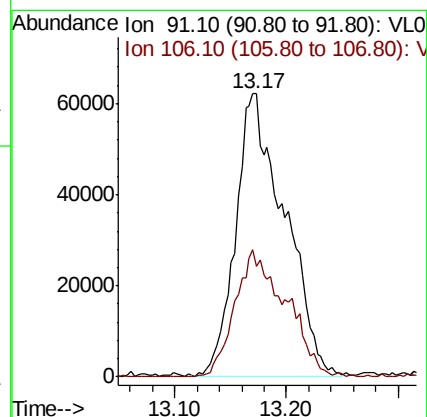
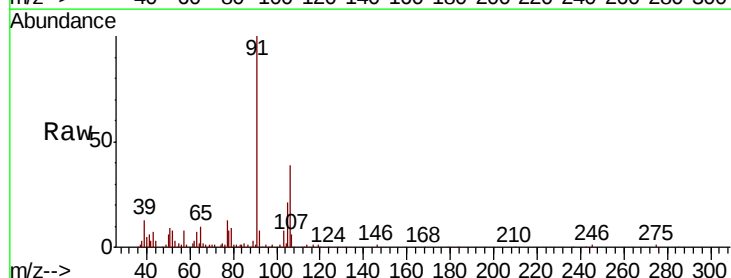
Acq: 5 Sep 2018 15:21

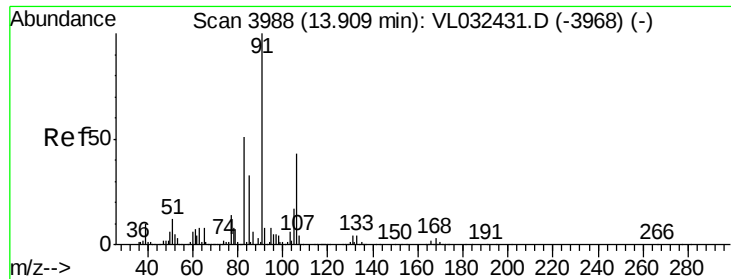
Tgt Ion: 91 Resp: 190405

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#





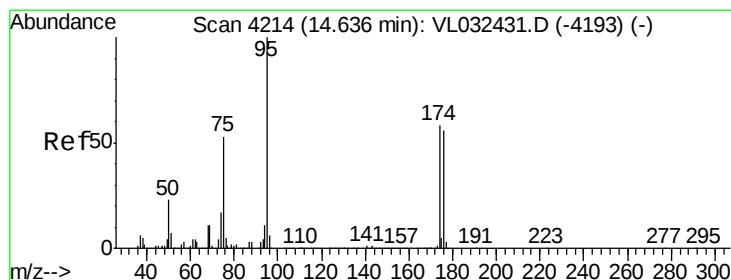
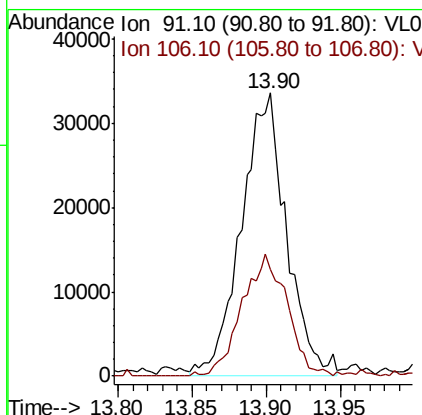
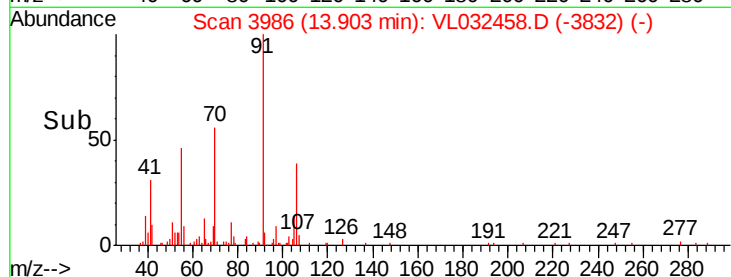
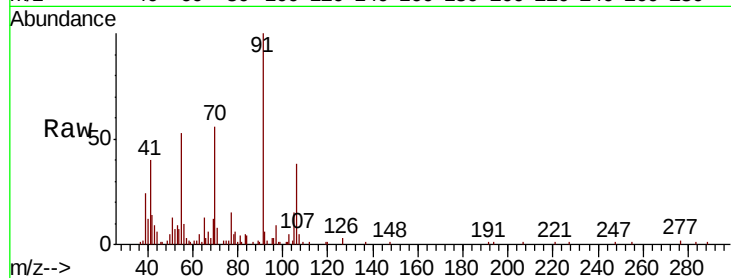
#60
o-Xylene
Concen: 0.21 ppbv m
RT: 13.90 min Scan# 3986
Delta R.T. -0.01 min
Lab File: VL032458.D
Acq: 5 Sep 2018 15:21

Instrument :
MSVOA_L
ClientSampleId :
VP-04DL

Tot Ion: 91 Resp: 71140
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.7

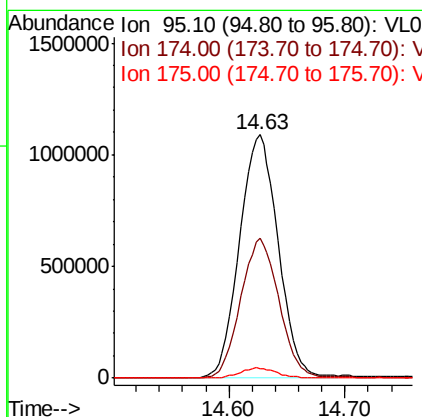
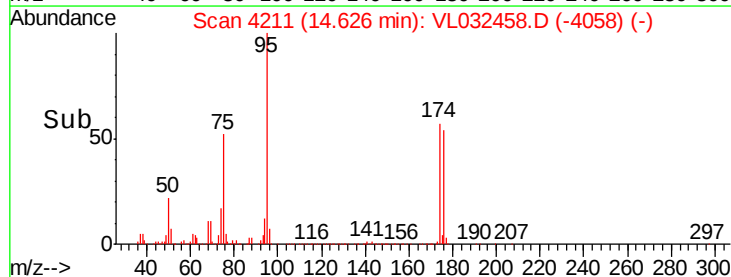
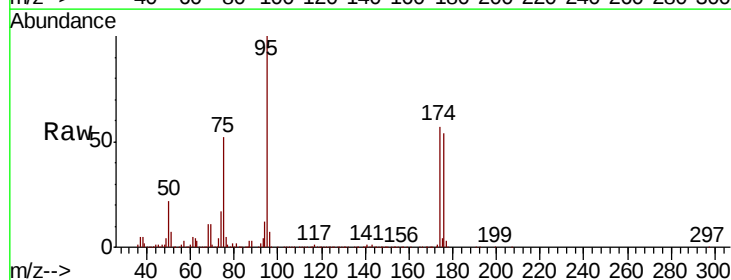
Manual Integrations
APPROVED

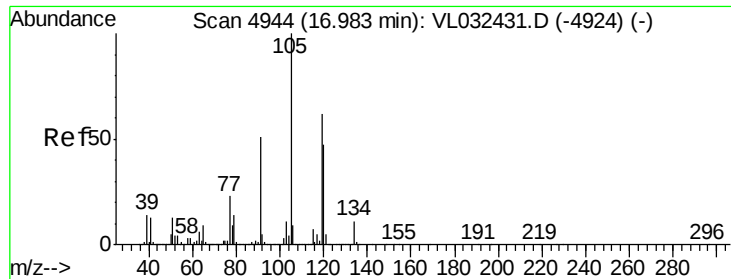
MMDadoda
9/7/2018 10:45:51 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.43 ppbv
RT: 14.63 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VL032458.D
Acq: 5 Sep 2018 15:21

Tgt Ion: 95 Resp: 2523322
Ion Ratio Lower Upper
95 100
174 57.8 46.3 69.5
175 4.1 3.4 5.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.24 ppbv
 RT: 16.97 min Scan# 4941
 Delta R.T. -0.01 min
 Lab File: VL032458.D
 Acq: 5 Sep 2018 15:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-04DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	47.0	37.8	56.8
91	18.2	41.4	62.0#
77	14.6	18.6	28.0#

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:45:51 AM

