

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VO080818\
 Data File : VX003936.D
 Acq On : 08 Aug 2018 20:51
 Operator : JC/MD
 Sample : J4387-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0555

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 10:40:36 AM

Quant Time: Aug 20 01:19:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	343837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	536280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	503080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	292984	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	217501	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
35) Dibromofluoromethane	5.51	113	187320	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.22%	
50) Toluene-d8	8.73	98	774215	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.14	95	288755	56.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.96%	
Target Compounds						
					Qvalue	
25) 2-Butanone	4.71	43	21241	5.210	ug/l	98
31) Cyclohexane	5.58	56	3469902	528.207	ug/l	99
39) Methylcyclohexane	7.46	83	2524544	356.494	ug/l	98
40) Benzene	6.15	78	139382	7.728	ug/l	99
52) Toluene	8.79	92	29934659m	2626.736	ug/l	
67) Ethyl Benzene	10.26	91	16119588	752.258	ug/l #	54
68) m/p-Xylenes	10.37	106	18870201	2253.717	ug/l #	1
69) o-Xylene	10.71	106	12807699	1620.421	ug/l	54
73) Isopropylbenzene	11.02	105	1932409	89.160	ug/l	96
78) n-propylbenzene	11.36	91	2534081	104.121	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	3728076	210.947	ug/l	99
83) tert-Butylbenzene	11.77	119	36495m	2.099	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	10062650	566.265	ug/l	90
85) sec-Butylbenzene	11.95	105	184330m	8.984	ug/l	
86) p-Isopropyltoluene	12.07	119	183736	9.979	ug/l	99
95) Naphthalene	13.83	128	5397983	247.358	ug/l	99

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

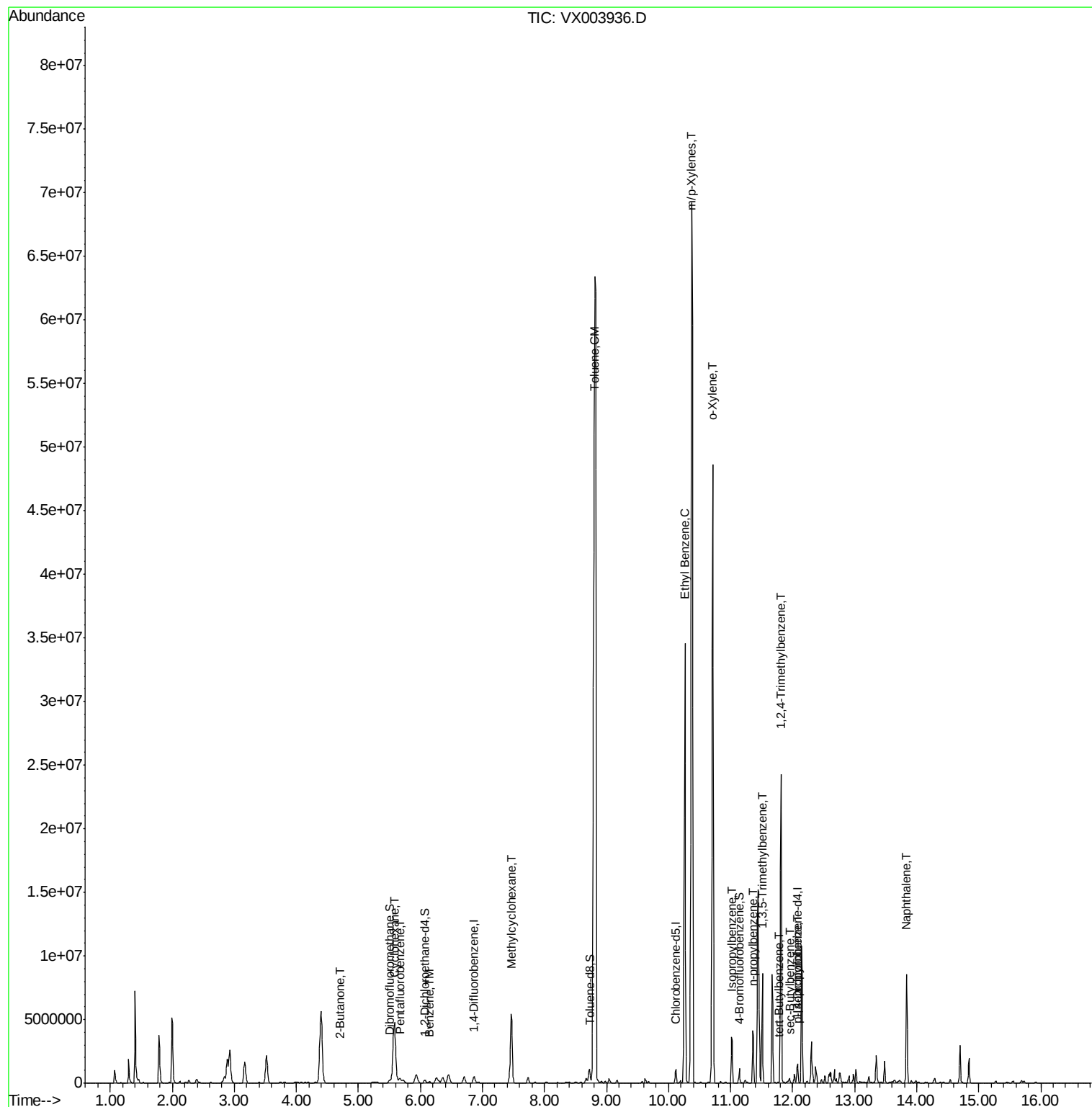
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080818\
Data File : VX003936.D
Acq On : 08 Aug 2018 20:51
Operator : JC/MD
Sample : J4387-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

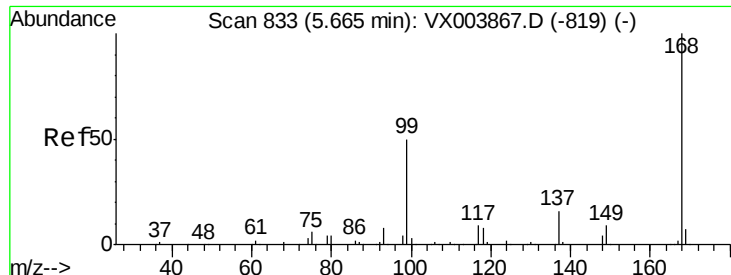
Instrument :
MSVOA_X
ClientSampleId :
FL-0555

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:40:36 AM

Quant Time: Aug 20 01:19:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003936.D

Acq: 08 Aug 2018 20:51

Instrument :

MSVOA_X

ClientSampled :

FL-0555

Tgt Ion:168 Resp: 343837

Ion Ratio Lower Upper

168 100

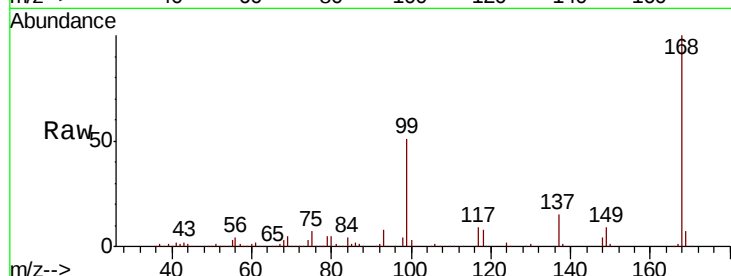
99 50.9 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:40:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

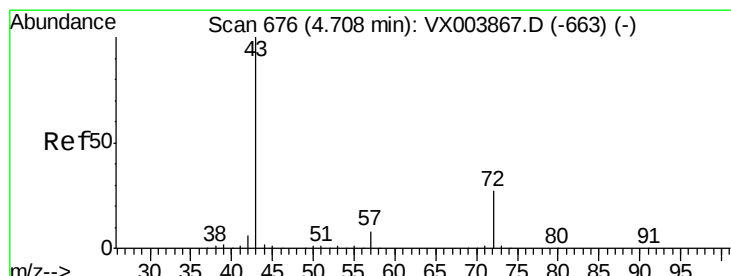
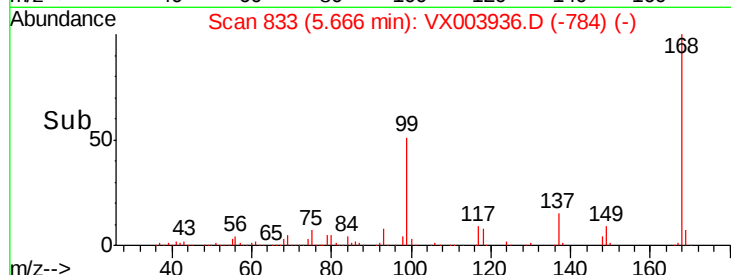
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#25

2-Butanone

Concen: 5.210 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003936.D

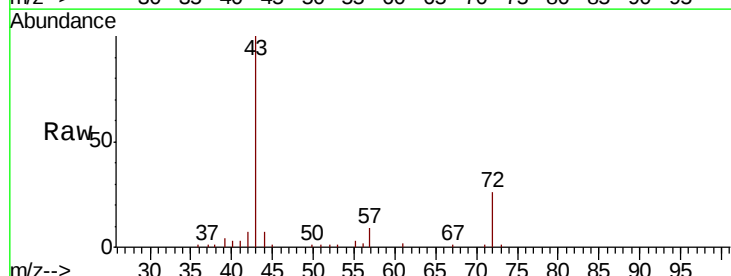
Acq: 08 Aug 2018 20:51

Tgt Ion: 43 Resp: 21241

Ion Ratio Lower Upper

43 100

72 25.9 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

8000

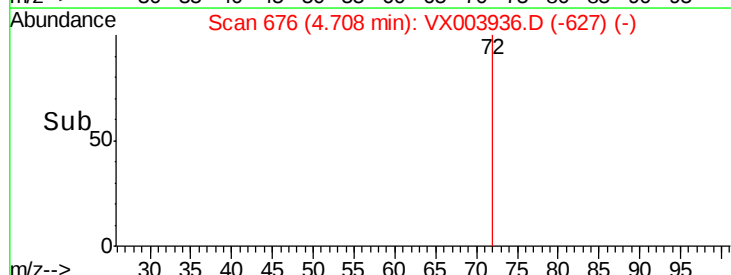
6000

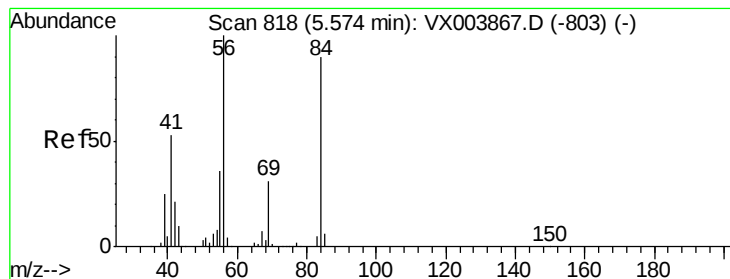
4000

2000

0

Time--> 4.60 4.70 4.80 4.90





#31

Cyclohexane

Concen: 528.207 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003936.D

Acq: 08 Aug 2018 20:51

Instrument :

MSVOA_X

ClientSampled :

FL-0555

Tgt Ion: 56 Resp: 3469902

Ion Ratio Lower Upper

56 100

69 31.1 24.9 37.3

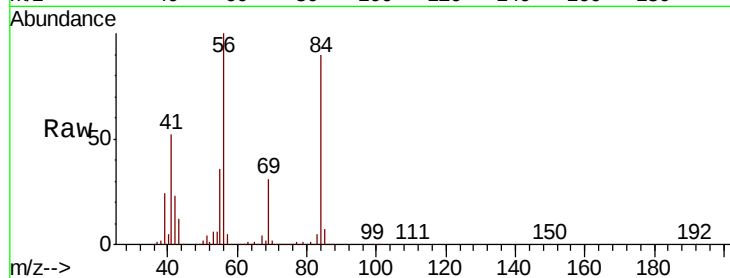
84 90.3 71.7 107.5

Manual Integrations

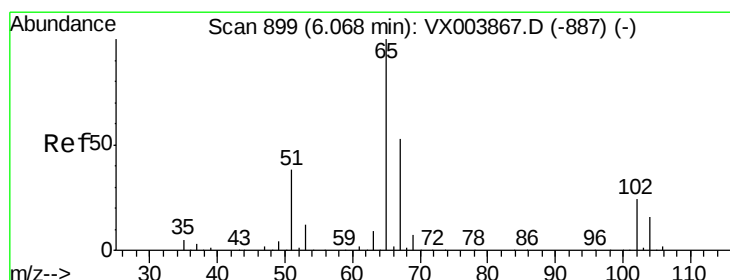
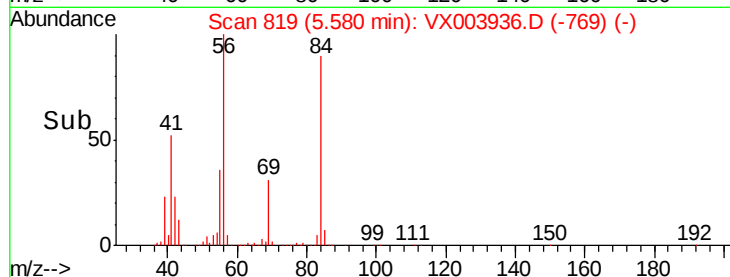
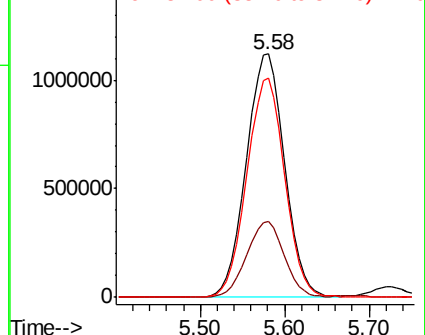
APPROVED

MMDadoda

8/9/2018 10:40:36 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.720 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003936.D

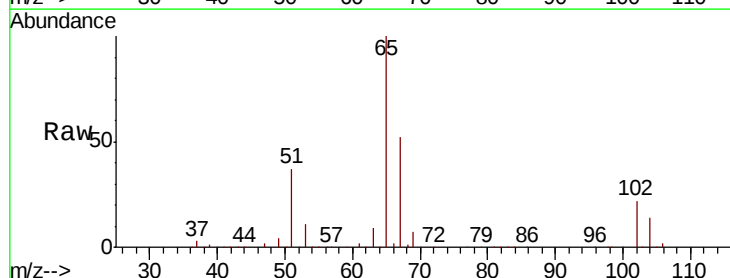
Acq: 08 Aug 2018 20:51

Tgt Ion: 65 Resp: 217501

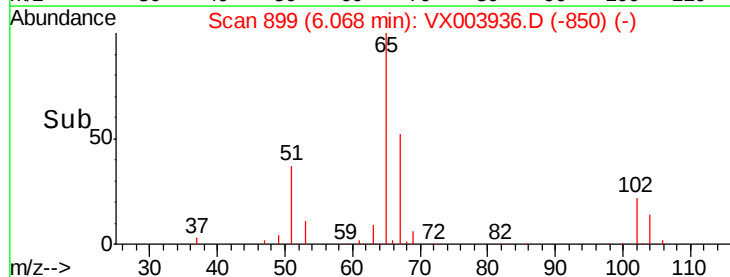
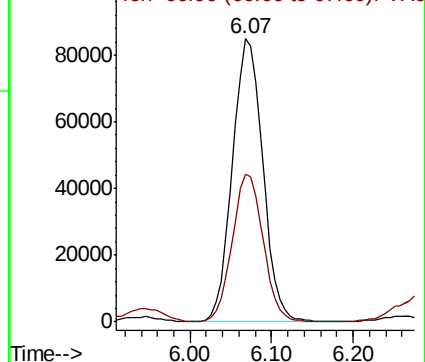
Ion Ratio Lower Upper

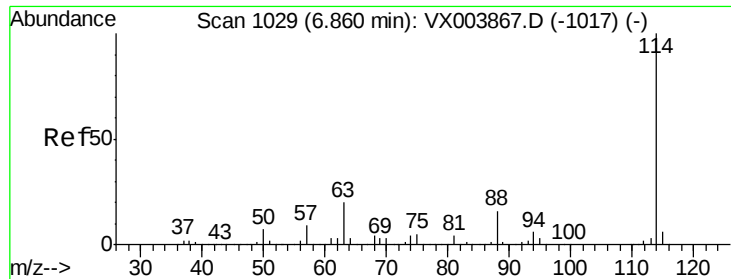
65 100

67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





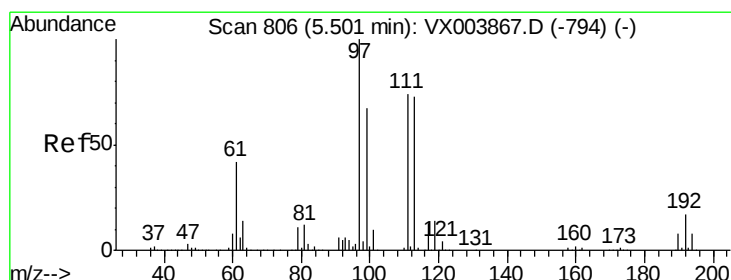
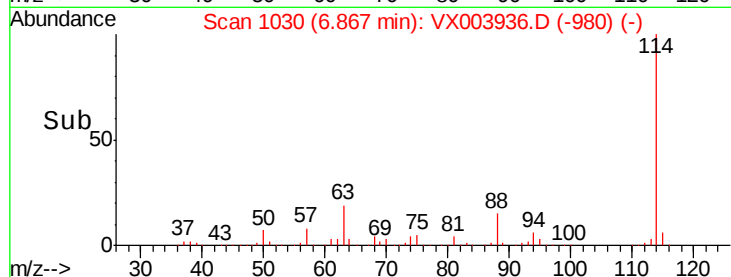
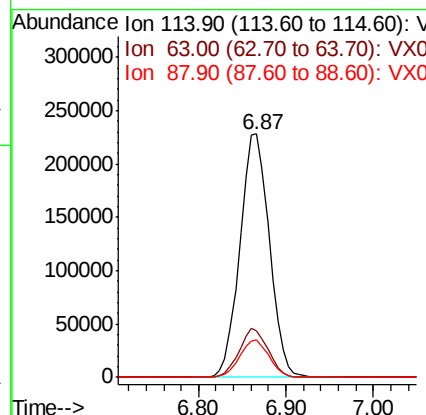
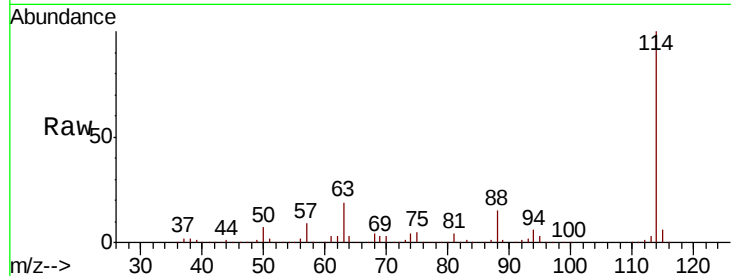
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003936.D
 Acq: 08 Aug 2018 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0555

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	19.1	0.0	39.0
88	15.2	0.0	32.0

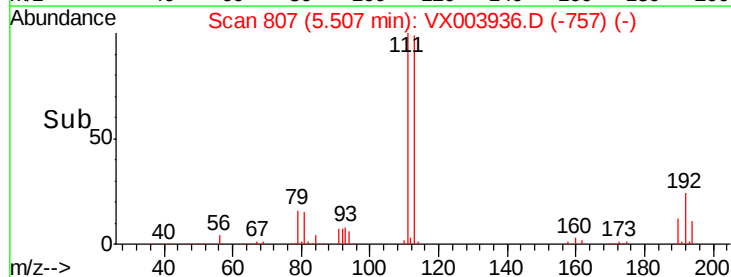
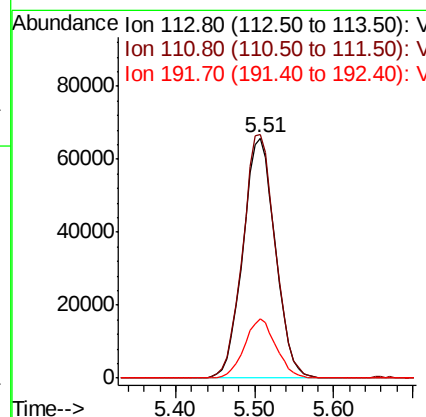
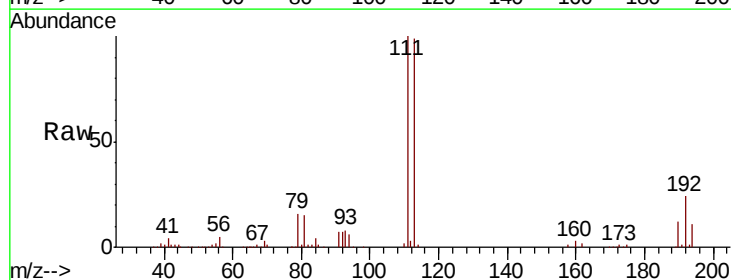
Manual Integrations
 APPROVED

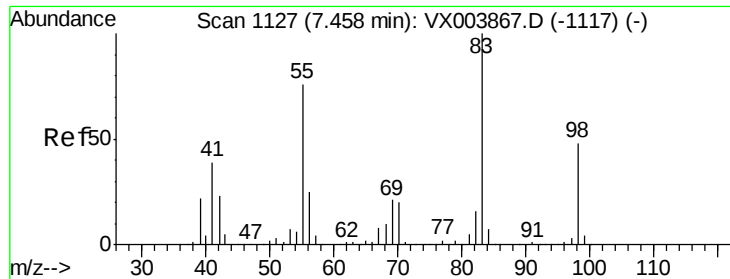
MMDadoda
 8/9/2018 10:40:36 AM



#35
 Dibromofluoromethane
 Concen: 46.107 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003936.D
 Acq: 08 Aug 2018 20:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	102.3	82.0	123.0
192	24.0	19.0	28.4





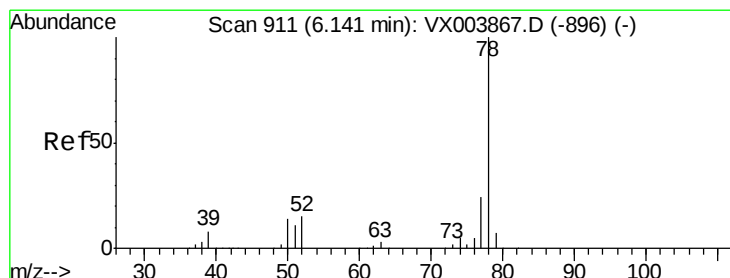
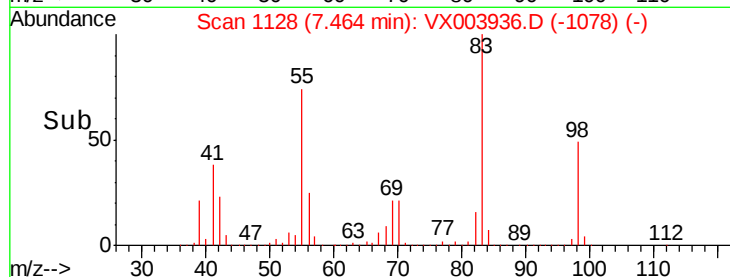
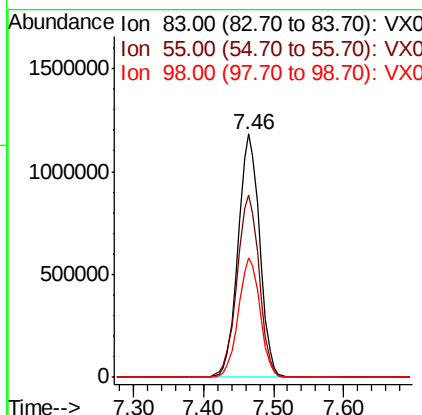
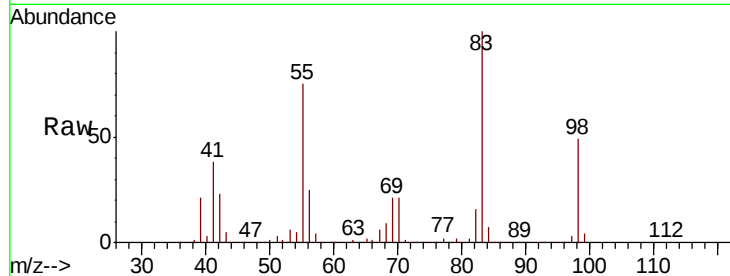
#39
Methylcyclohexane
Concen: 356.494 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0555

Tgt Ion: 83 Resp: 2524544
Ion Ratio Lower Upper
83 100
55 74.6 61.0 91.6
98 49.1 38.6 57.8

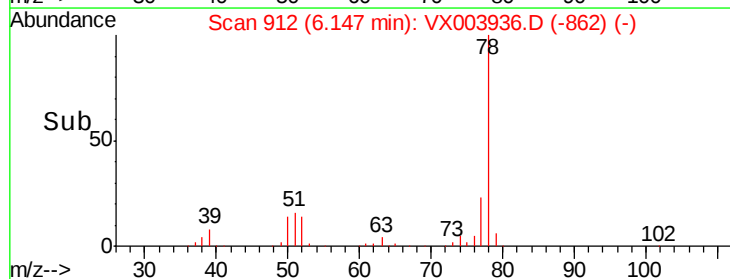
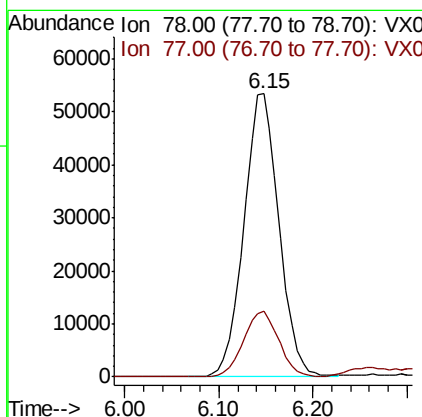
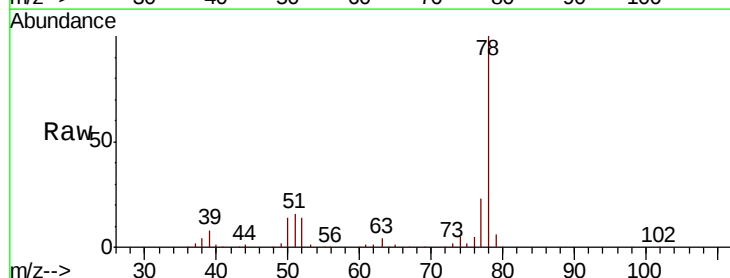
Manual Integrations
APPROVED

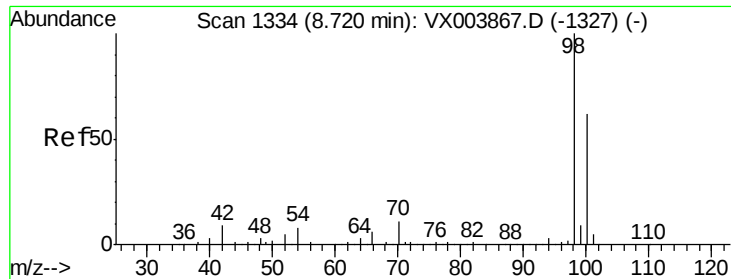
MMDadoda
8/9/2018 10:40:36 AM



#40
Benzene
Concen: 7.728 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Tgt Ion: 78 Resp: 139382
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4





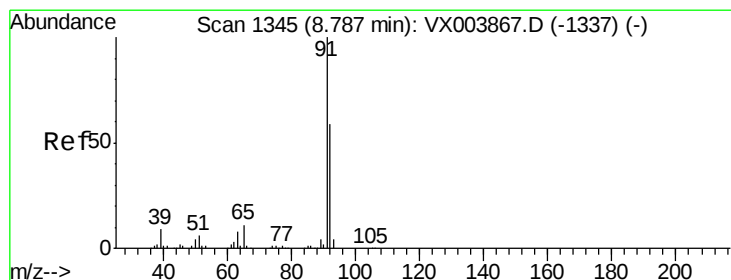
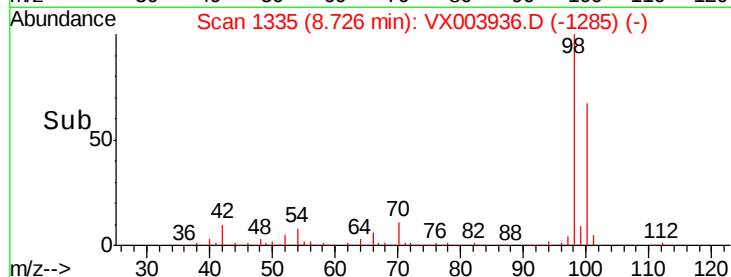
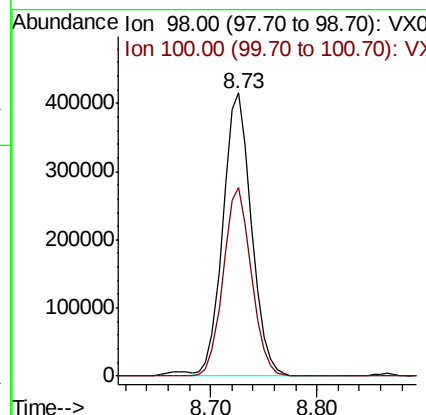
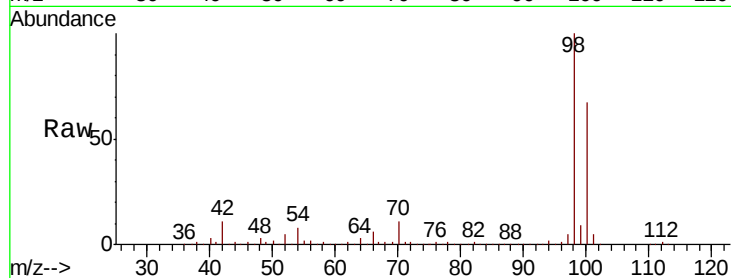
#50
Toluene-d8
Concen: 49.004 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0555

Tgt Ion: 98 Resp: 774215
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9

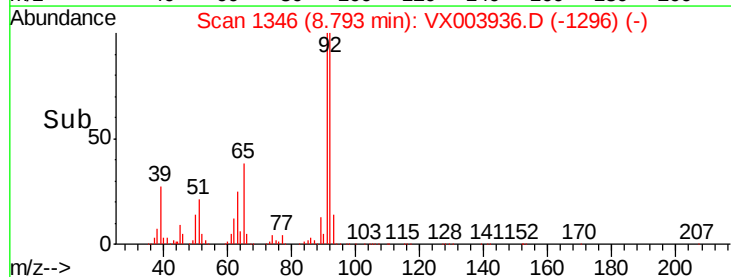
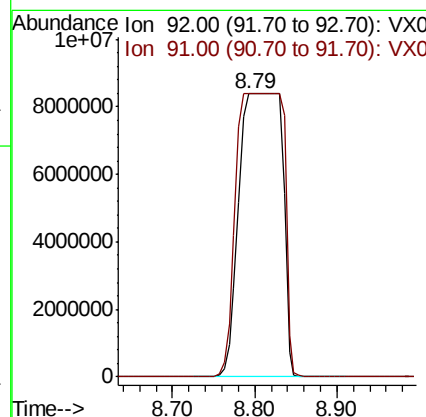
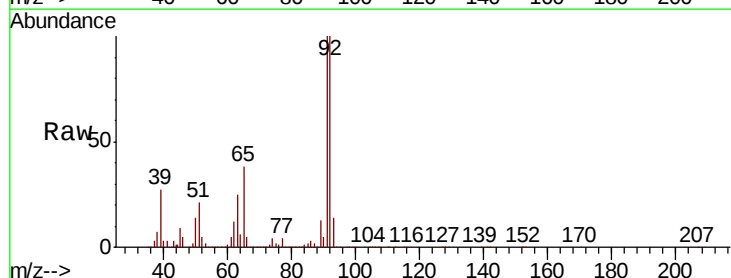
Manual Integrations
APPROVED

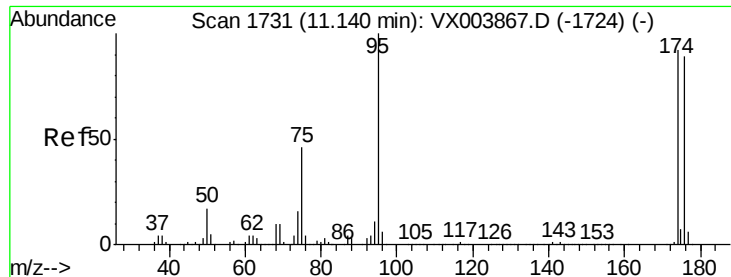
MMDadoda
8/9/2018 10:40:36 AM



#52
Toluene
Concen: 2626.736 ug/l m
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Tgt Ion: 92 Resp: 29934659
Ion Ratio Lower Upper
92 100
91 0.0 136.1 204.1#





#62

4-Bromofluorobenzene

Concen: 56.484 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003936.D

Acq: 08 Aug 2018 20:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0555

Tgt Ion: 95 Resp: 288755
Ion Ratio Lower Upper

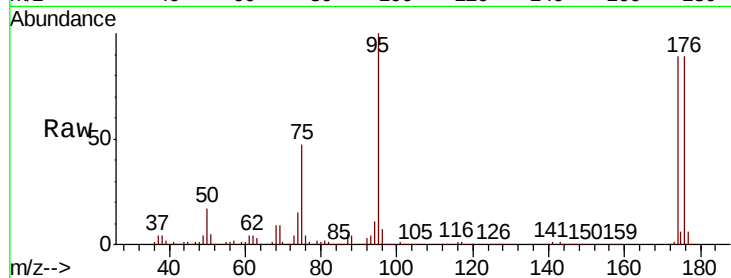
95 100

174 90.8 0.0 182.8

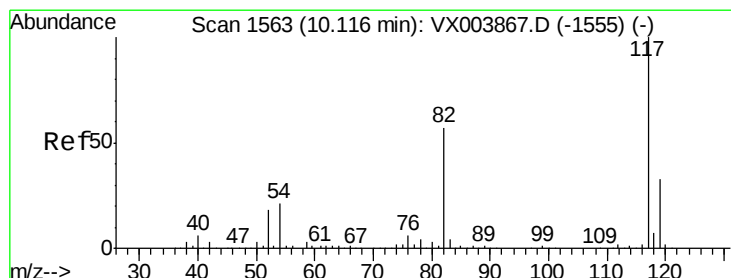
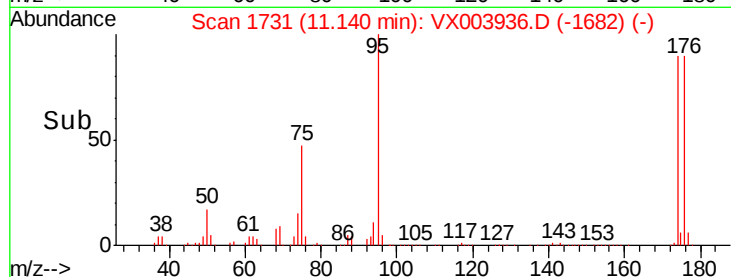
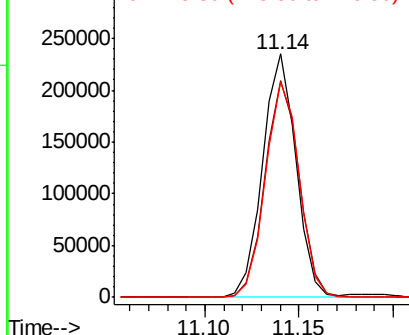
176 89.7 0.0 179.0

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:40:36 AM



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003936.D

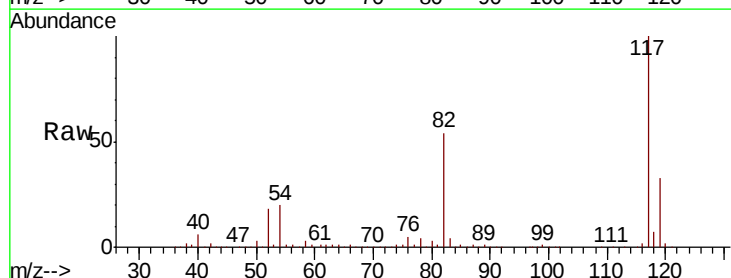
Acq: 08 Aug 2018 20:51

Tgt Ion: 117 Resp: 503080
Ion Ratio Lower Upper

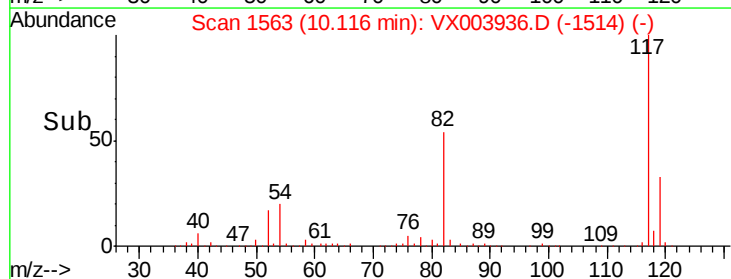
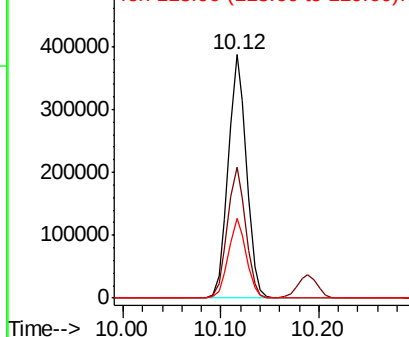
117 100

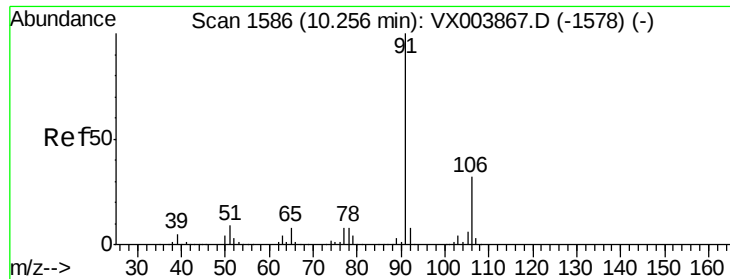
82 53.9 45.4 68.0

119 32.8 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





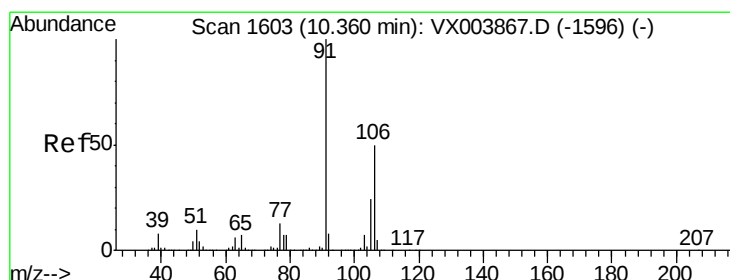
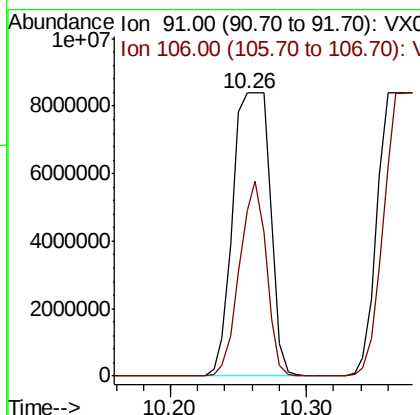
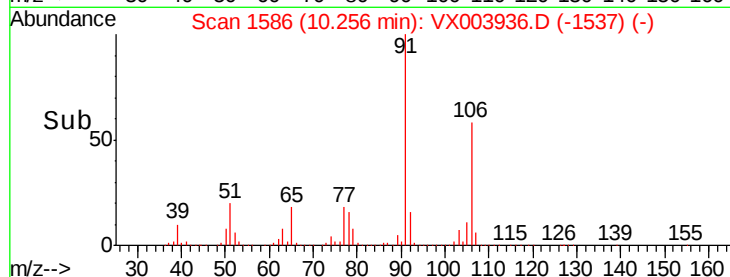
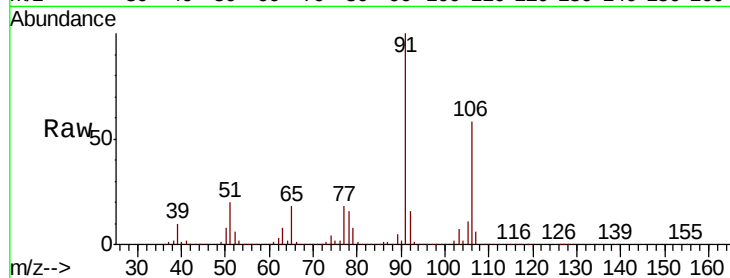
#67
Ethyl Benzene
Concen: 752.258 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0555

Tgt Ion: 91 Resp:16119588
Ion Ratio Lower Upper
91 100
106 58.4 25.9 38.9#

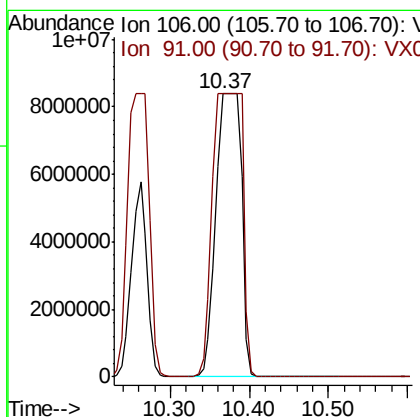
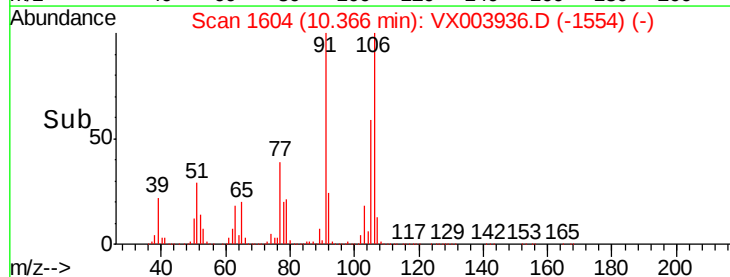
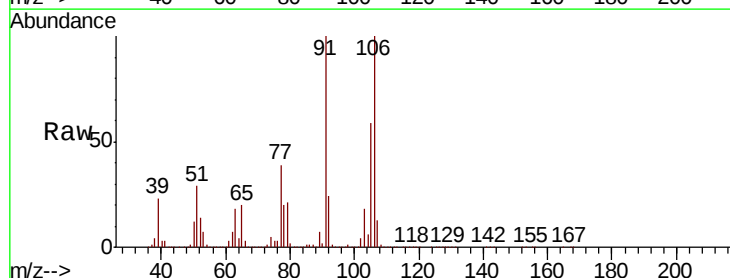
Manual Integrations
APPROVED

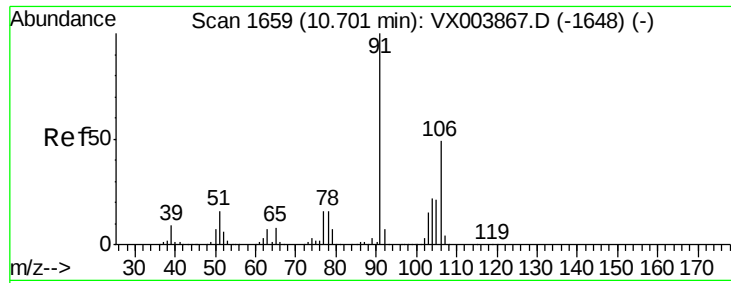
MMDadoda
8/9/2018 10:40:36 AM



#68
m/p-Xylenes
Concen: 2253.717 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Tgt Ion:106 Resp:18870201
Ion Ratio Lower Upper
106 100
91 0.0 162.3 243.5#





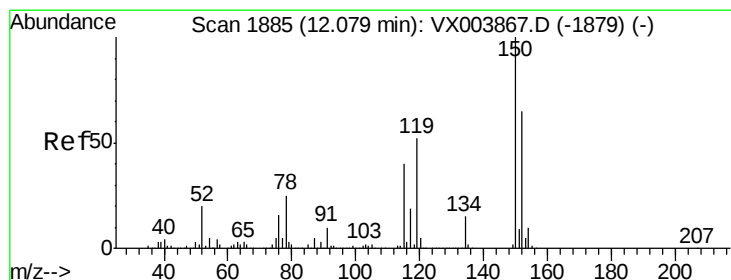
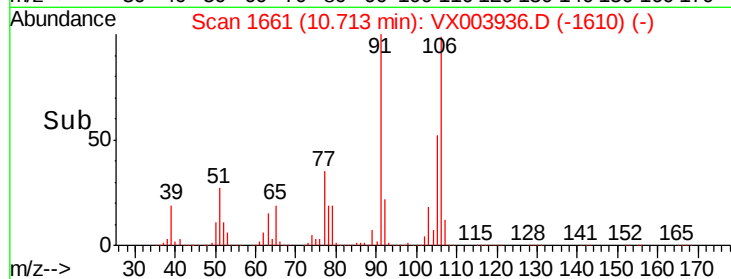
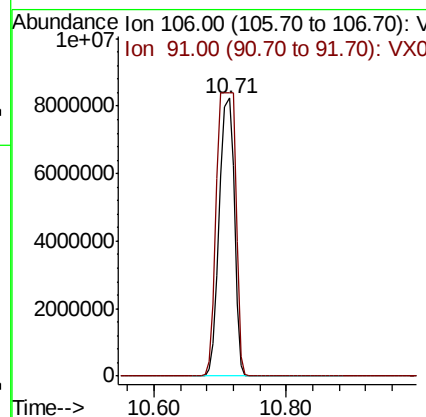
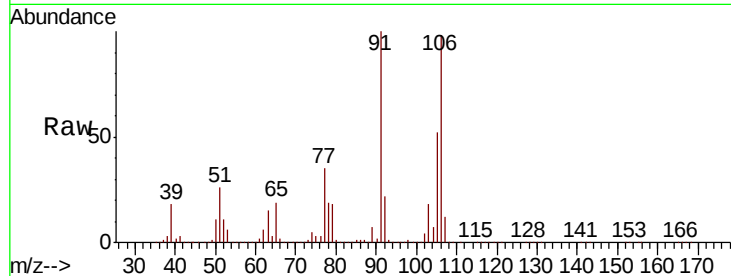
#69
o-Xylene
Concen: 1620.421 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.01 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0555

Tgt Ion:106 Resp:12807699
Ion Ratio Lower Upper
106 100
91 133.5 101.9 305.7

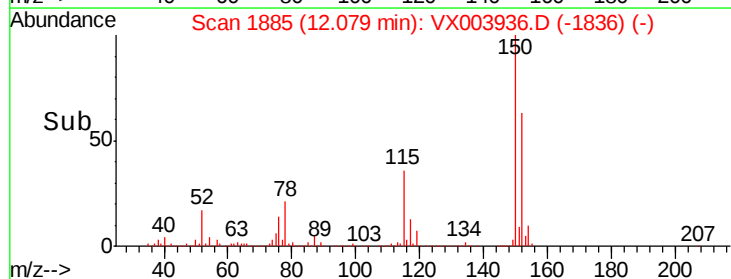
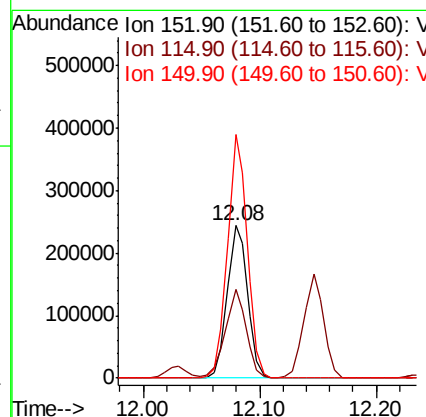
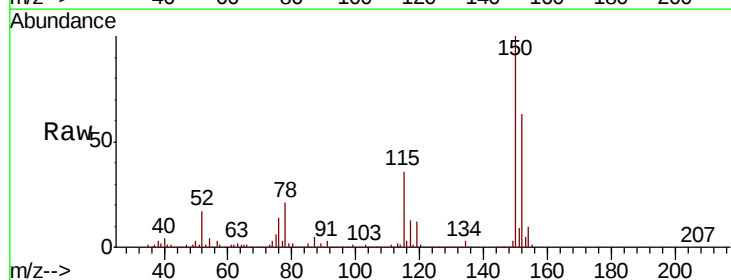
Manual Integrations
APPROVED

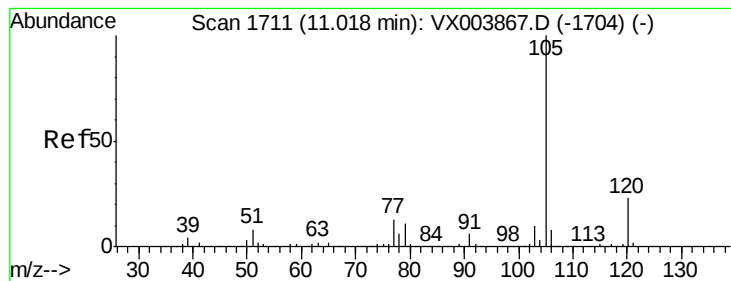
MMDadoda
8/9/2018 10:40:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Tgt Ion:152 Resp: 292984
Ion Ratio Lower Upper
152 100
115 59.2 39.1 117.3
150 155.4 0.0 349.2





#73

Isopropylbenzene

Concen: 89.160 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003936.D

Acq: 08 Aug 2018 20:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0555

Tgt Ion: 105 Resp: 1932409

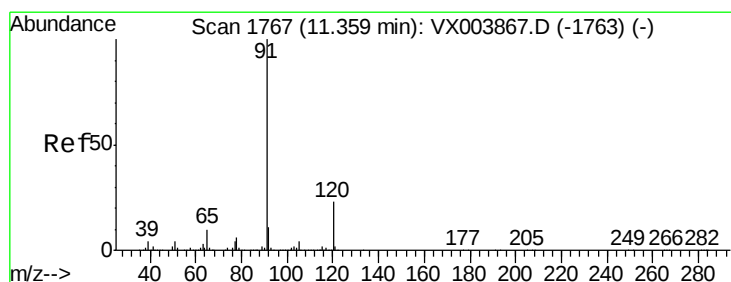
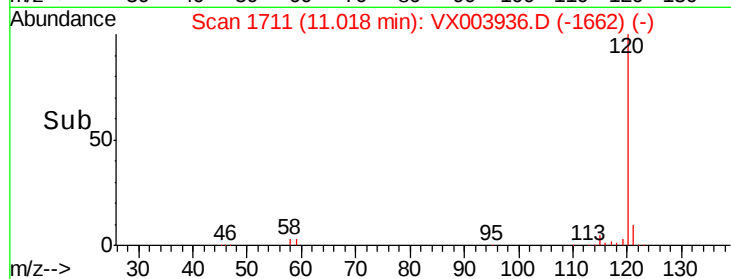
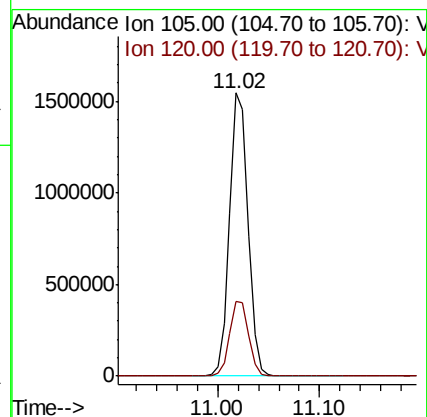
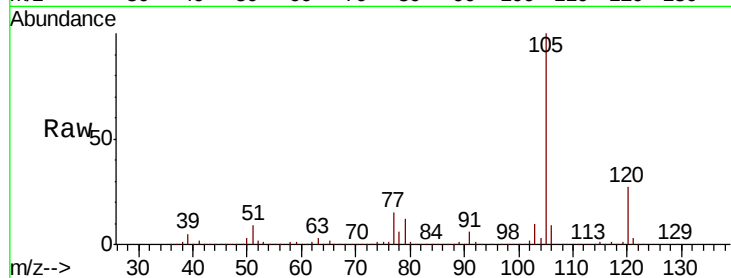
Ion Ratio Lower Upper

105 100

120 27.2 12.6 37.8

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:40:36 AM



#78

n-propylbenzene

Concen: 104.121 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003936.D

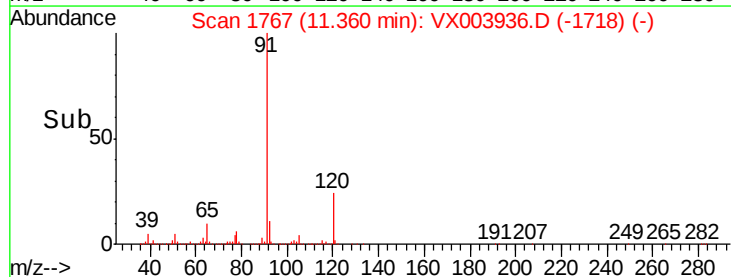
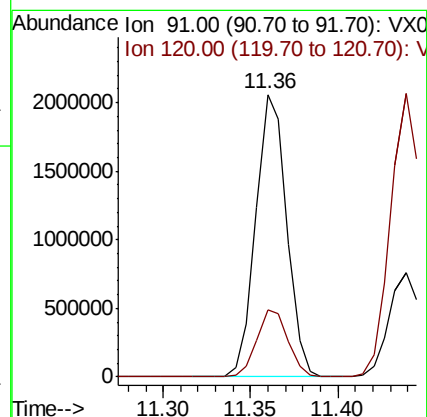
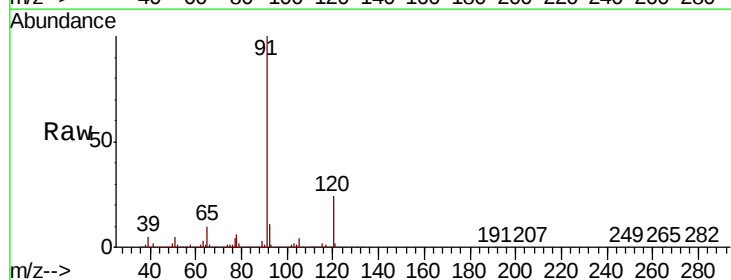
Acq: 08 Aug 2018 20:51

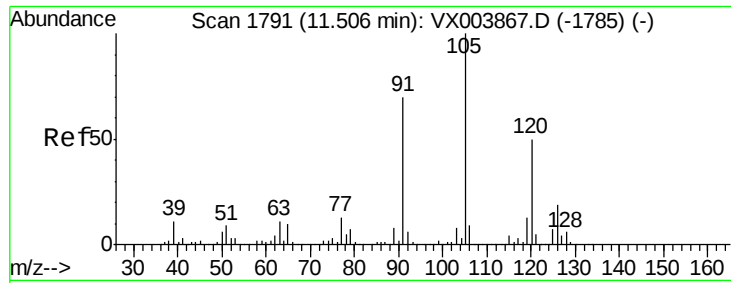
Tgt Ion: 91 Resp: 2534081

Ion Ratio Lower Upper

91 100

120 23.9 11.9 35.5





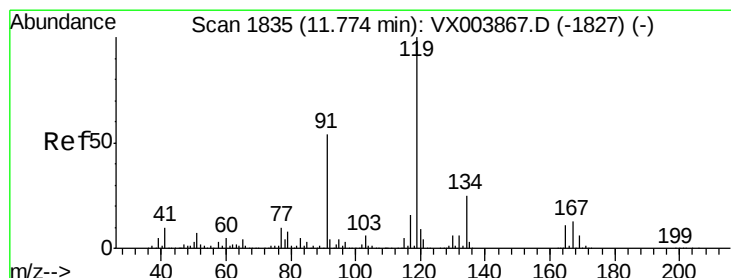
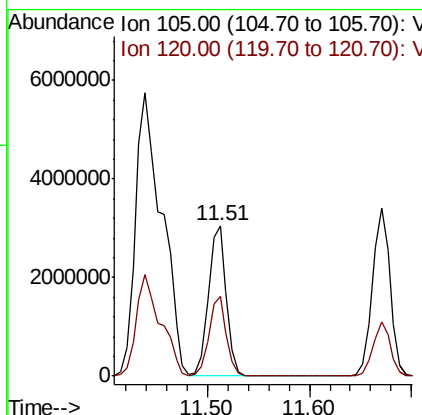
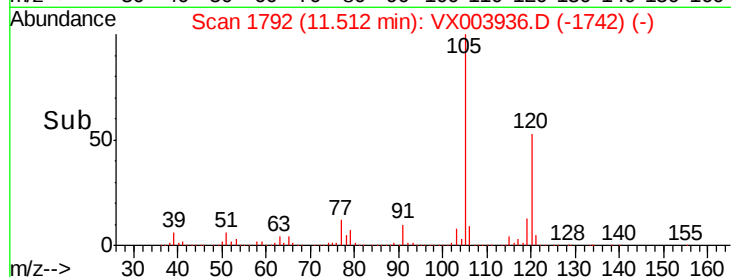
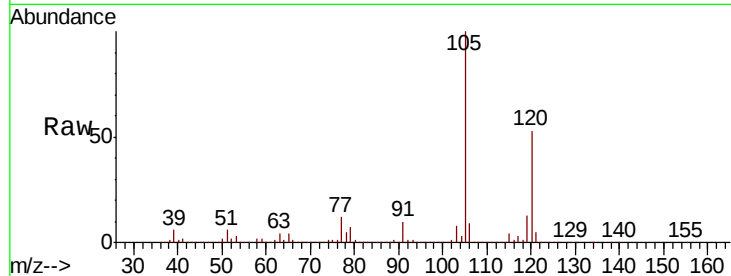
#80
 1,3,5-Trimethylbenzene
 Concen: 210.947 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003936.D
 Acq: 08 Aug 2018 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0555

Tgt Ion:105 Resp: 3728076
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.4 76.2

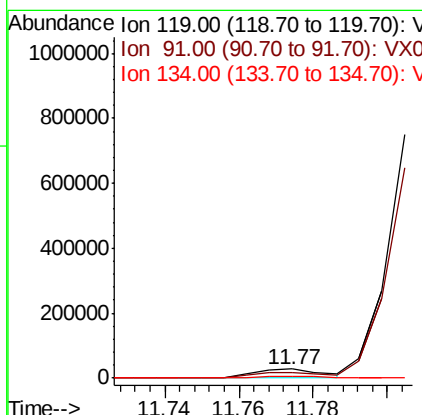
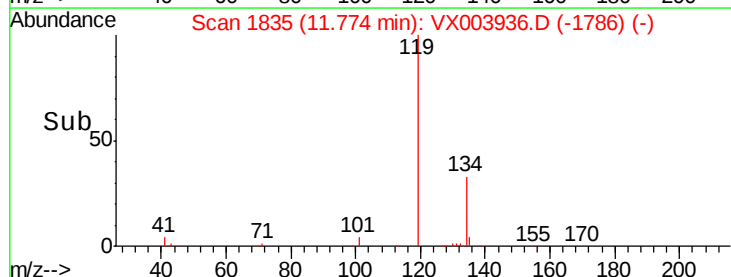
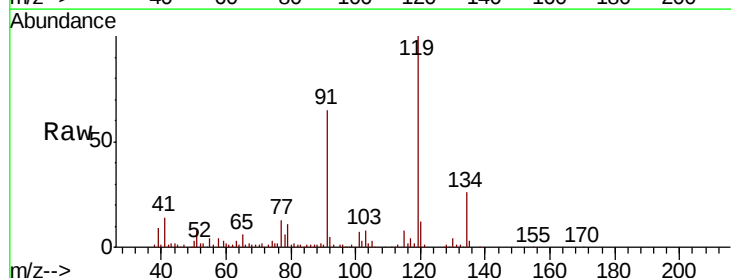
Manual Integrations
 APPROVED

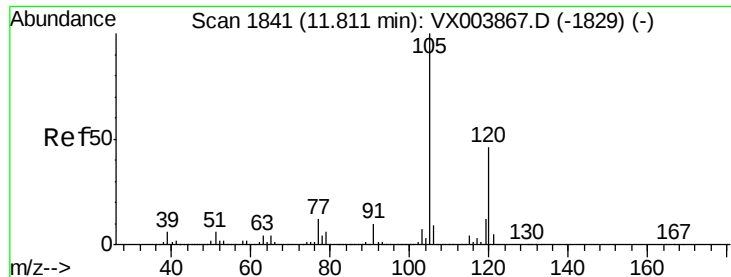
MMDadoda
 8/9/2018 10:40:36 AM



#83
 tert-Butylbenzene
 Concen: 2.099 ug/l m
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003936.D
 Acq: 08 Aug 2018 20:51

Tgt Ion:119 Resp: 36495
 Ion Ratio Lower Upper
 119 100
 91 3275.0 26.9 80.7#
 134 0.0 12.0 36.0#





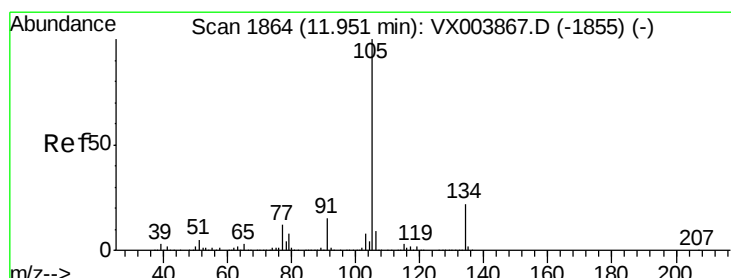
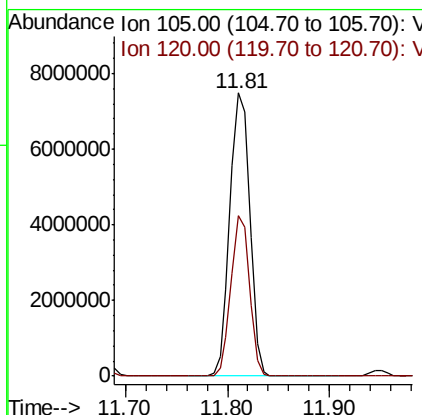
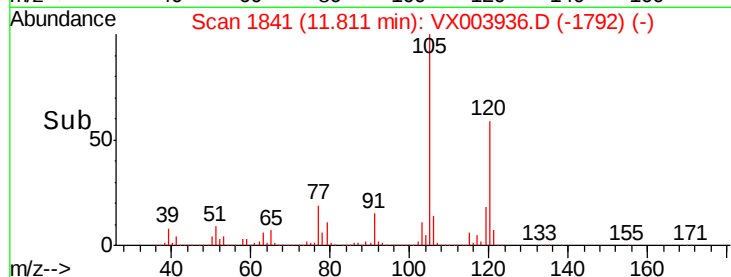
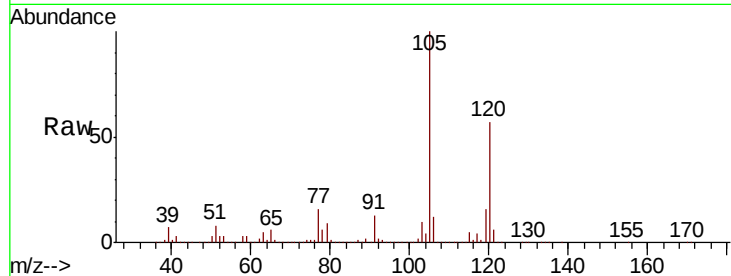
#84
 1,2,4-Trimethylbenzene
 Concen: 566.265 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003936.D
 Acq: 08 Aug 2018 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0555

Tgt Ion:105 Resp:10062650
 Ion Ratio Lower Upper
 105 100
 120 53.0 23.1 69.2

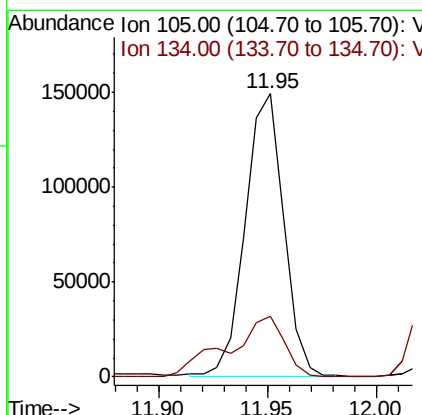
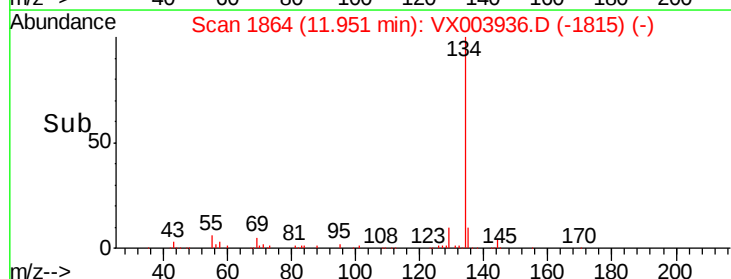
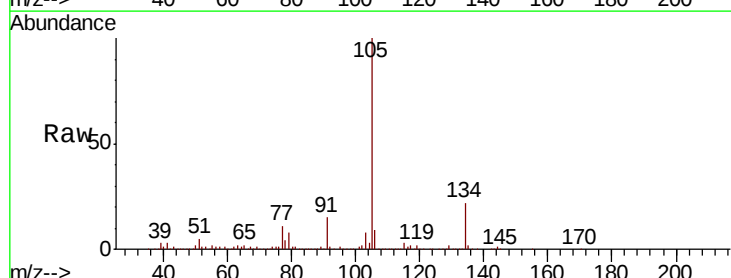
Manual Integrations
 APPROVED

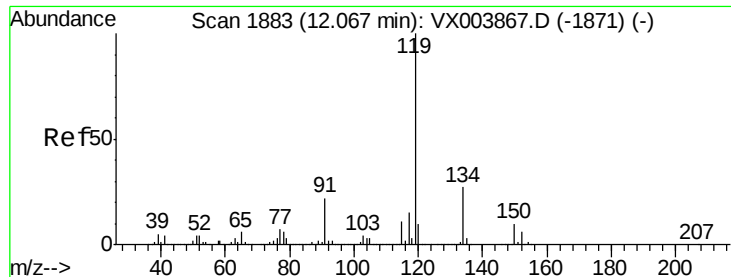
MMDadoda
 8/9/2018 10:40:36 AM



#85
 sec-Butylbenzene
 Concen: 8.984 ug/l m
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003936.D
 Acq: 08 Aug 2018 20:51

Tgt Ion:105 Resp: 184330
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.9#





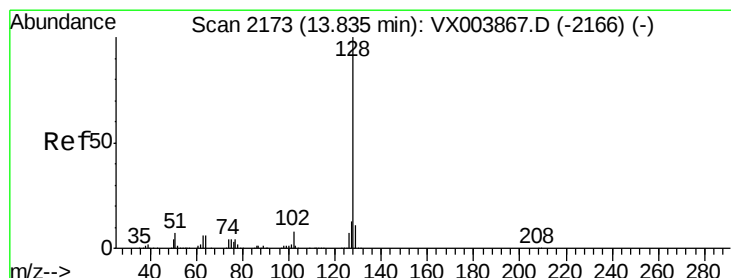
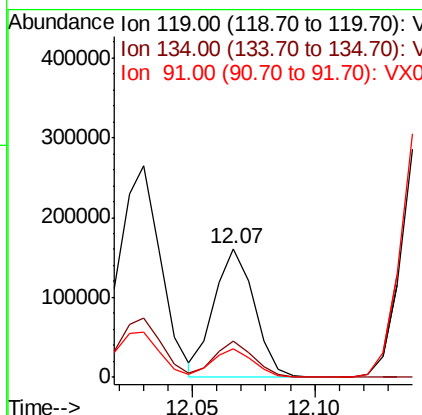
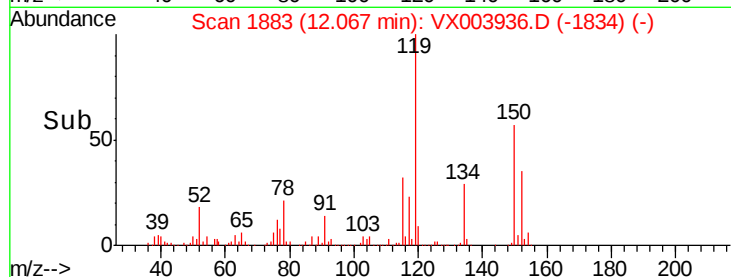
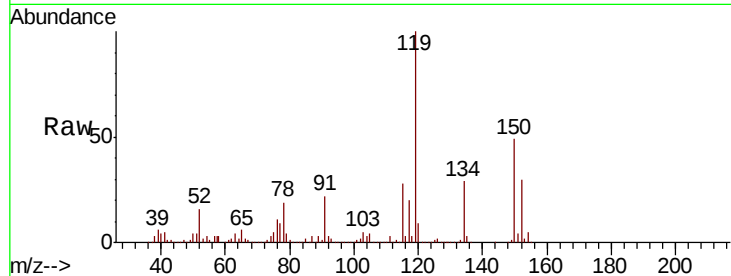
#86
p-Isopropyltoluene
Concen: 9.979 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Instrument :
MSVOA_X
ClientSampled :
FL-0555

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	183736		
134	27.4	13.3	39.8	
91	21.9	10.9	32.7	

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:40:36 AM



#95
Naphthalene
Concen: 247.358 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003936.D
Acq: 08 Aug 2018 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	5397983		
127	13.1	10.2	15.2	
129	11.5	8.8	13.2	

