

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080818\
 Data File : VX003934.D
 Acq On : 08 Aug 2018 19:58
 Operator : JC/MD
 Sample : J4387-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0554

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 10:40:25 AM

Quant Time: Aug 20 01:19:26 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	326656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	498725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	471260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	250583	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	208737	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
35) Dibromofluoromethane	5.51	113	178636	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.56%	
50) Toluene-d8	8.72	98	715036	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.14	95	256312	53.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.82%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	1181942	189.385	ug/l	99
39) Methylcyclohexane	7.46	83	986354	149.773	ug/l	99
52) Toluene	8.79	92	692219	65.315	ug/l	99
67) Ethyl Benzene	10.26	91	7285787	362.966	ug/l	95
68) m/p-Xylenes	10.37	106	9865526	1257.823	ug/l #	67
69) o-Xylene	10.71	106	6777607	915.397	ug/l	84
73) Isopropylbenzene	11.02	105	930333	50.188	ug/l	97
78) n-propylbenzene	11.36	91	1129735	54.273	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1680853	111.201	ug/l	99
83) tert-Butylbenzene	11.77	119	13522m	0.909	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	4907139	322.870	ug/l	96
85) sec-Butylbenzene	11.95	105	84215m	4.799	ug/l	
86) p-Isopropyltoluene	12.07	119	76501	4.858	ug/l	96
95) Naphthalene	13.84	128	2459963	131.800	ug/l	100

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

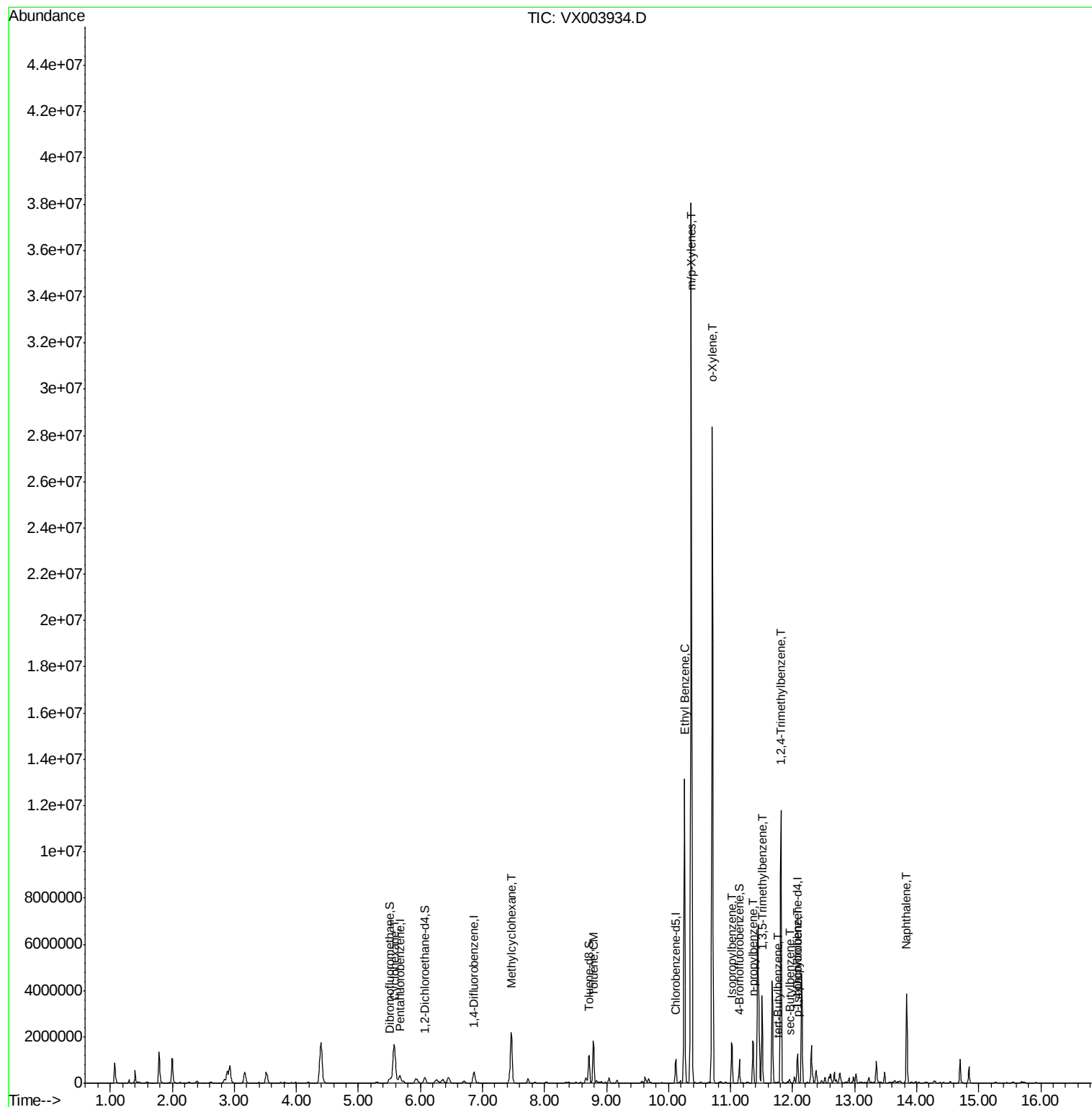
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080818\
Data File : VX003934.D
Acq On : 08 Aug 2018 19:58
Operator : JC/MD
Sample : J4387-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

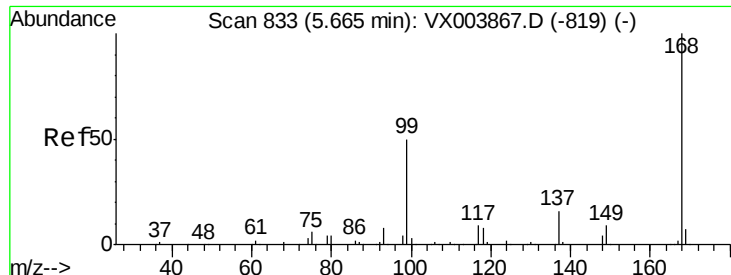
Instrument :
MSVOA_X
ClientSampleId :
FL-0554

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:40:25 AM

Quant Time: Aug 20 01:19:26 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: VX003934.D

Acq: 08 Aug 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

FL-0554

Tgt Ion: 168 Resp: 326656

Ion Ratio Lower Upper

168 100

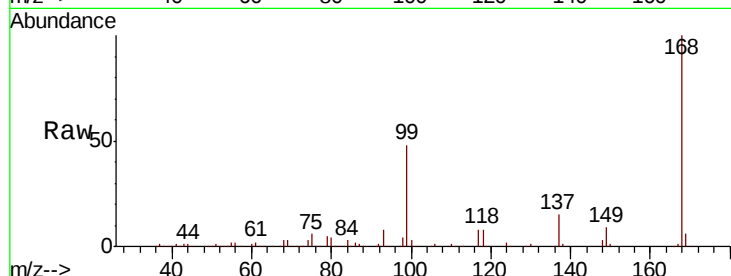
99 48.0 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:40:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

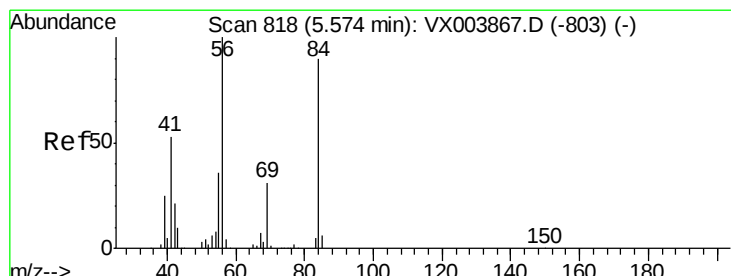
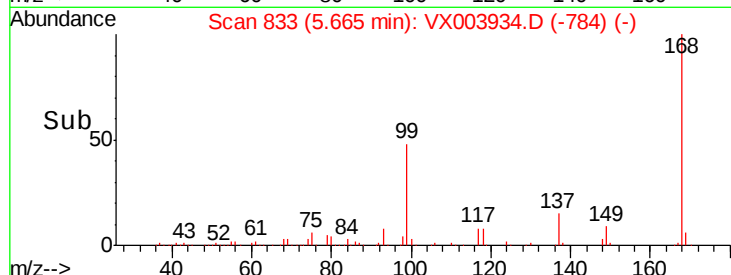
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 189.385 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003934.D

Acq: 08 Aug 2018 19:58

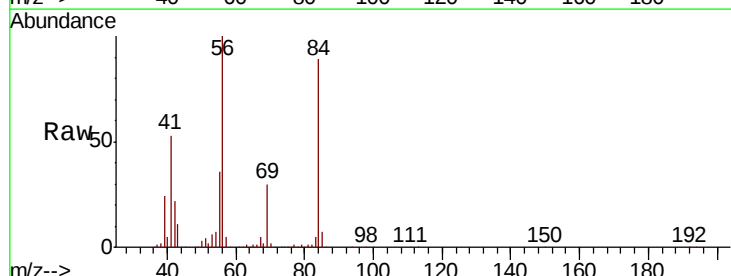
Tgt Ion: 56 Resp: 1181942

Ion Ratio Lower Upper

56 100

69 30.1 24.9 37.3

84 88.9 71.7 107.5



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

5.57

500000

400000

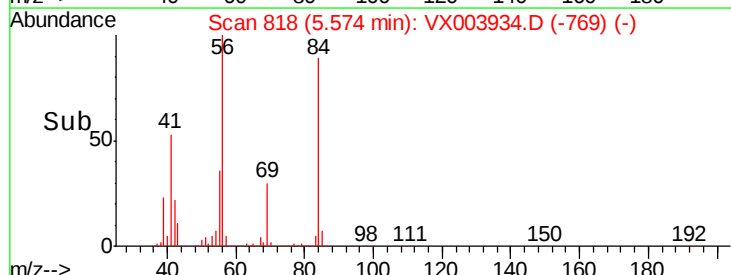
300000

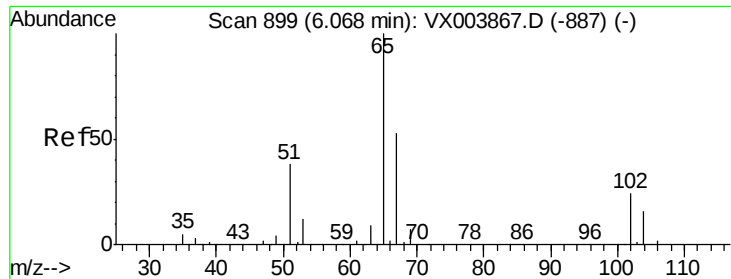
200000

100000

0

Time--> 5.40 5.50 5.60 5.70





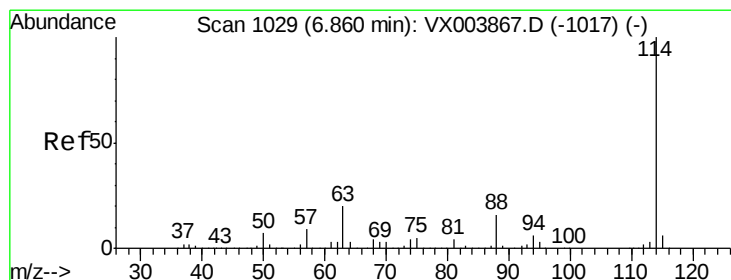
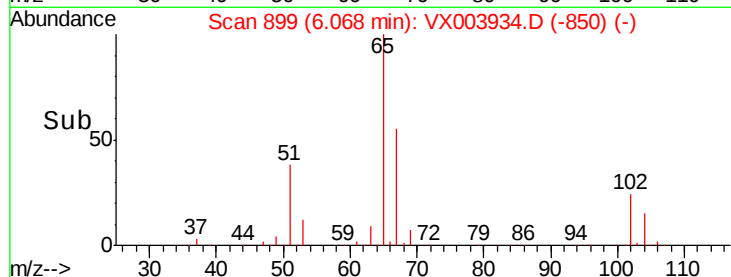
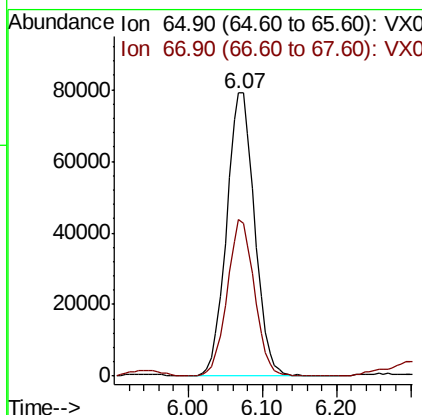
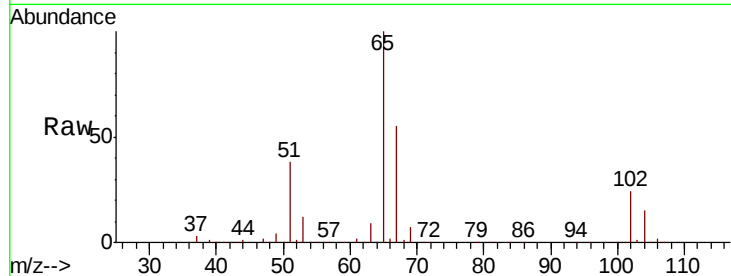
#33
 1,2-Dichloroethane-d4
 Concen: 48.206 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003934.D
 Acq: 08 Aug 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0554

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	208737		
67	53.3	0.0	105.8	

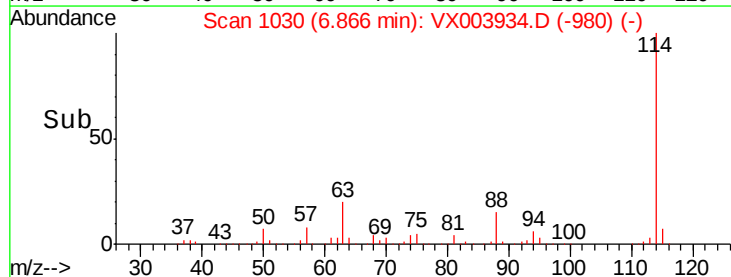
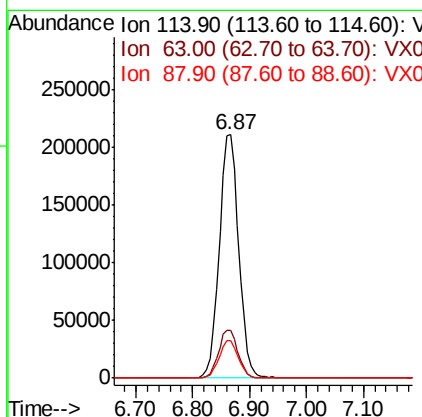
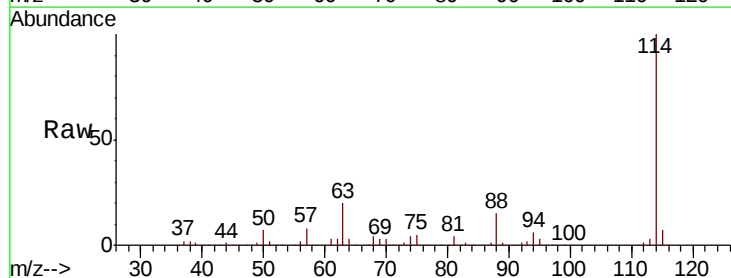
Manual Integrations
 APPROVED

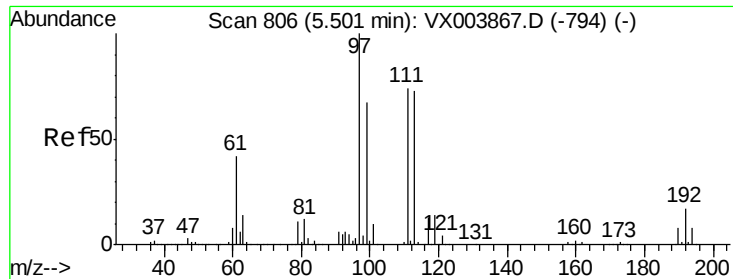
MMDadoda
 8/9/2018 10:40:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003934.D
 Acq: 08 Aug 2018 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	498725		
63	19.7	0.0	39.0	
88	15.3	0.0	32.0	





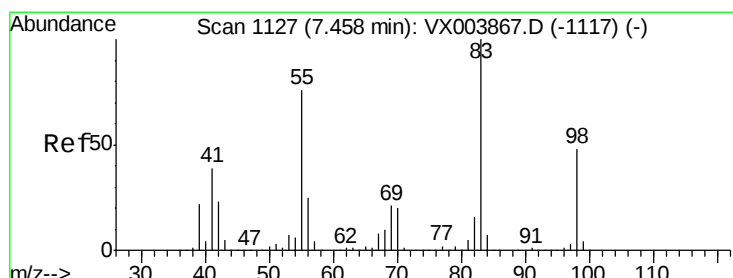
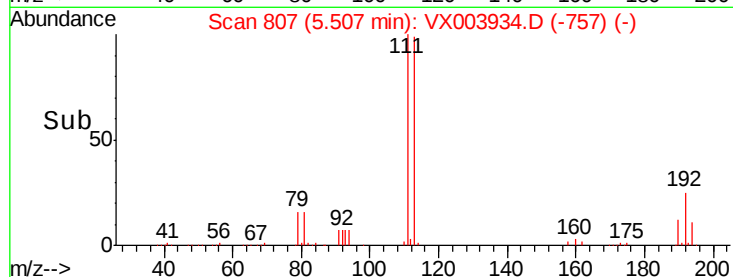
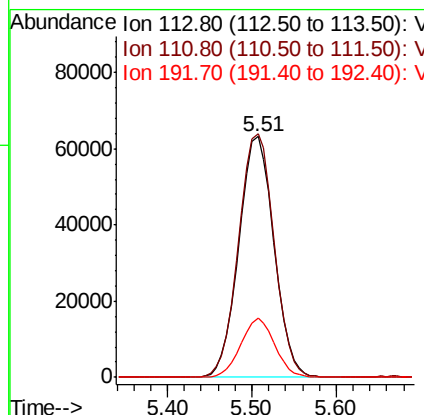
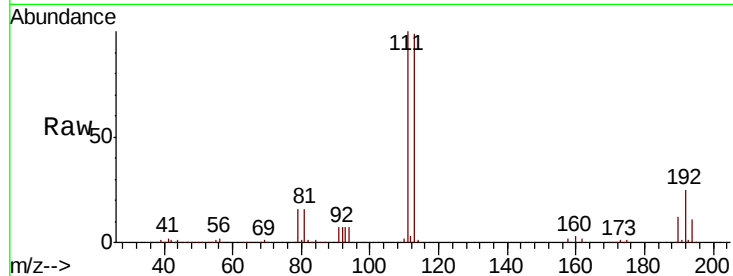
#35
 Dibromofluoromethane
 Concen: 47.280 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003934.D
 Acq: 08 Aug 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0554

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	178636		
111	102.2	82.0	123.0	
192	23.6	19.0	28.4	

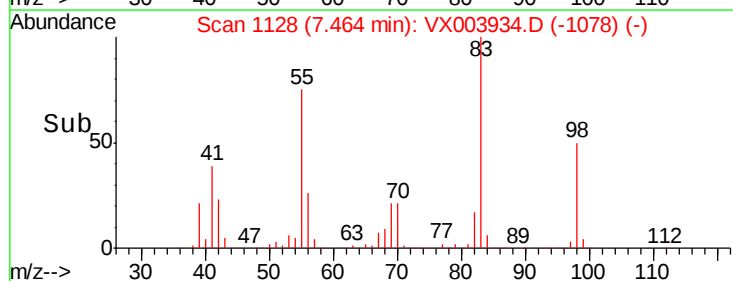
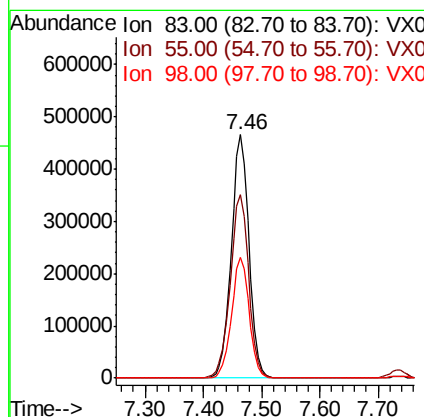
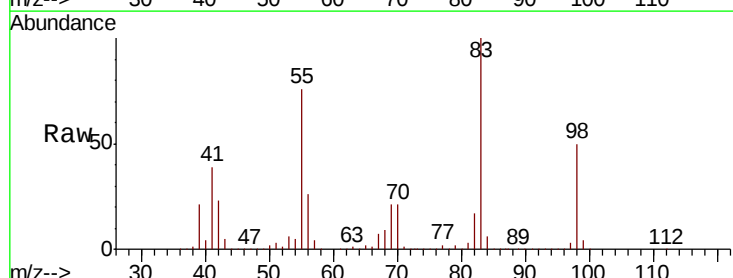
Manual Integrations
 APPROVED

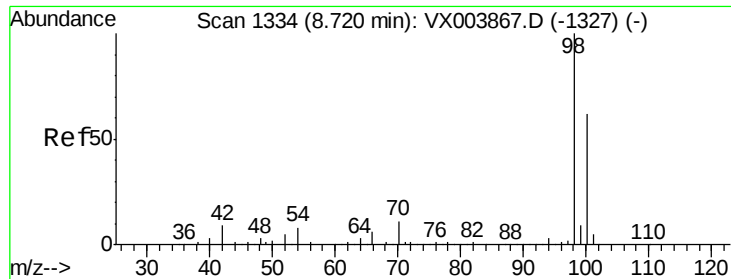
MMDadoda
 8/9/2018 10:40:25 AM



#39
 Methylcyclohexane
 Concen: 149.773 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VX003934.D
 Acq: 08 Aug 2018 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	986354		
55	75.5	61.0	91.6	
98	49.8	38.6	57.8	





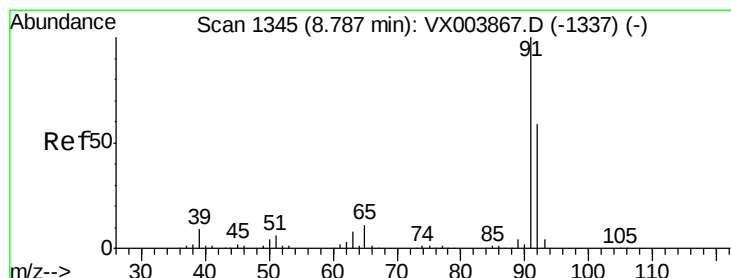
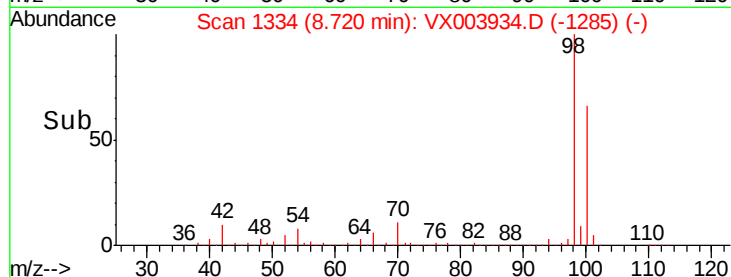
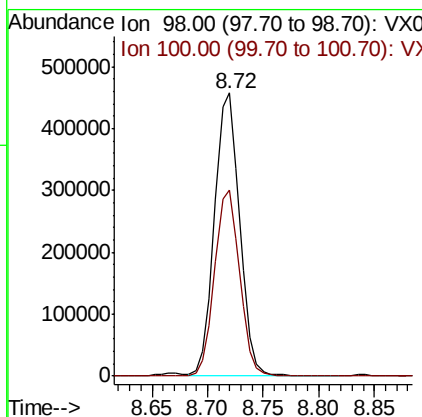
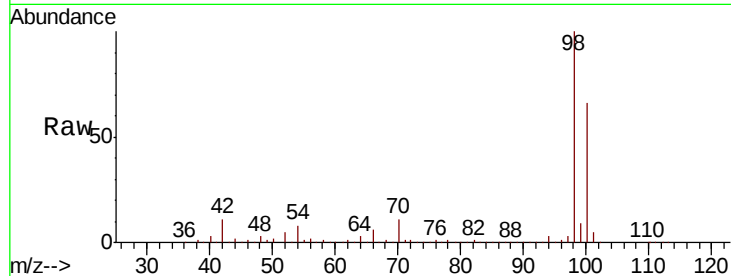
#50
Toluene-d8
Concen: 48.666 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003934.D
Acq: 08 Aug 2018 19:58

Instrument :
MSVOA_X
ClientSampled :
FL-0554

Tgt Ion: 98 Resp: 715036
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9

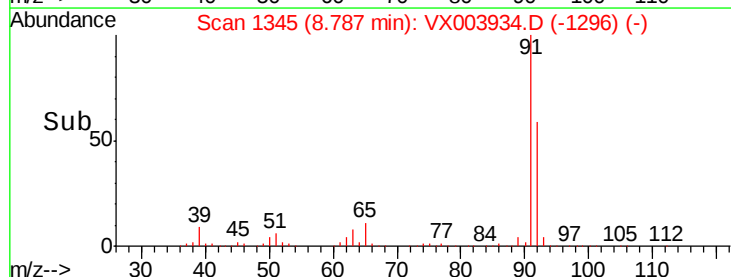
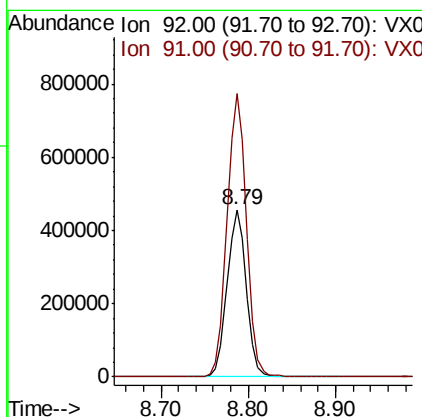
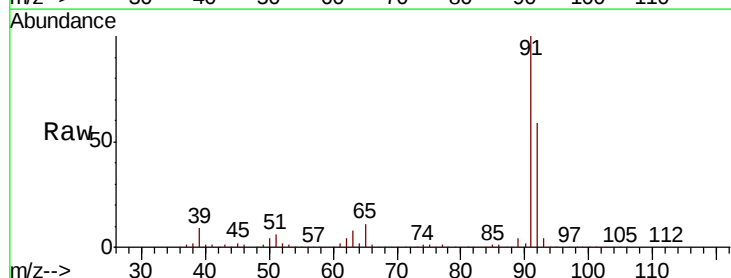
Manual Integrations
APPROVED

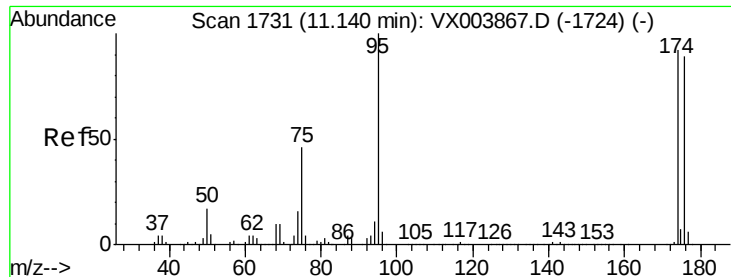
MMDadoda
8/9/2018 10:40:25 AM



#52
Toluene
Concen: 65.315 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003934.D
Acq: 08 Aug 2018 19:58

Tgt Ion: 92 Resp: 692219
Ion Ratio Lower Upper
92 100
91 171.3 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 53.913 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003934.D

Acq: 08 Aug 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

FL-0554

Tgt Ion: 95 Resp: 256312

Ion Ratio Lower Upper

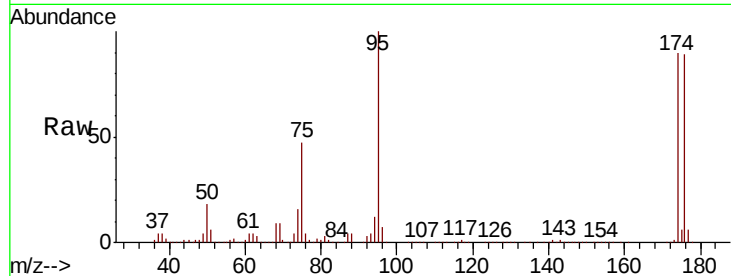
95 100

174 91.4 0.0 182.8

176 88.0 0.0 179.0

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:40:25 AM

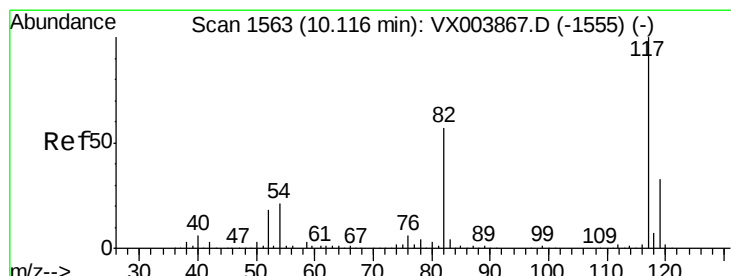
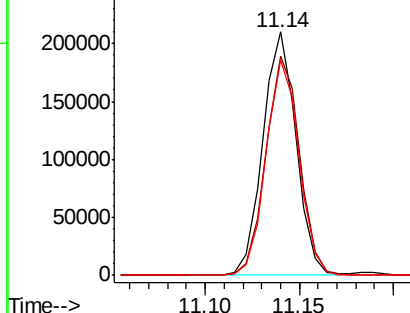
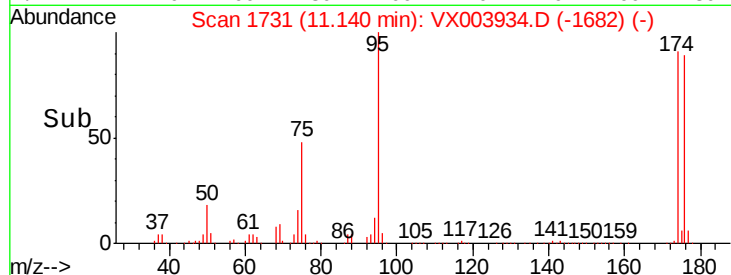


Abundance Ion 94.90 (94.60 to 95.60): VX003934.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003934.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003934.D (-1682) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003934.D

Acq: 08 Aug 2018 19:58

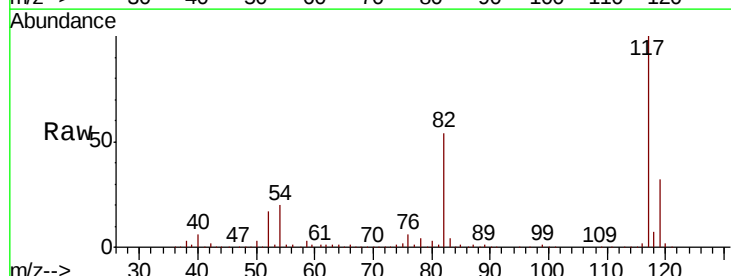
Tgt Ion: 117 Resp: 471260

Ion Ratio Lower Upper

117 100

82 54.2 45.4 68.0

119 31.6 26.6 40.0

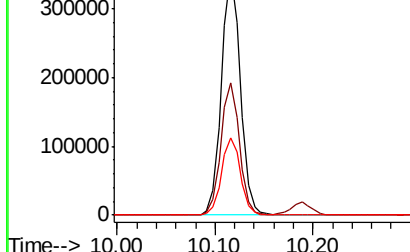
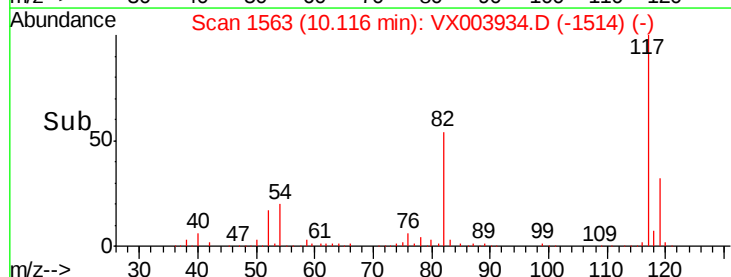


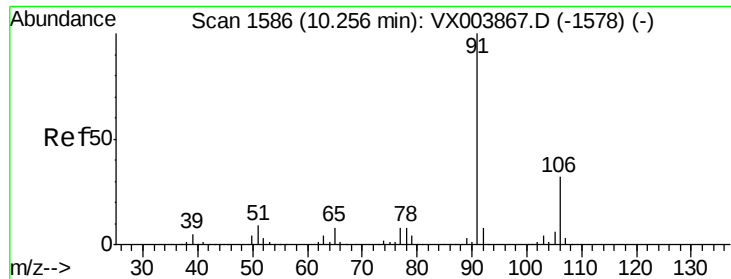
Abundance Ion 116.90 (116.60 to 117.60): VX003934.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003934.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003934.D (-1514) (-)

Time-->





#67

Ethyl Benzene

Concen: 362.966 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003934.D

Acq: 08 Aug 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

FL-0554

Tgt Ion: 91 Resp: 7285787

Ion Ratio Lower Upper

91 100

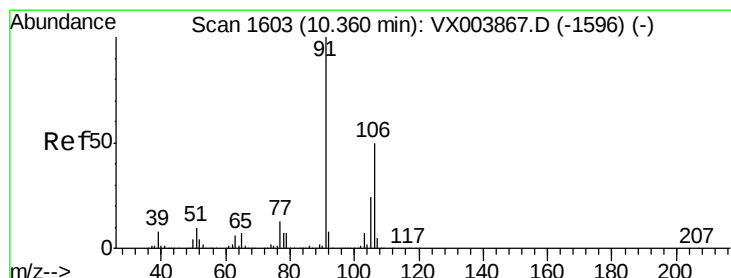
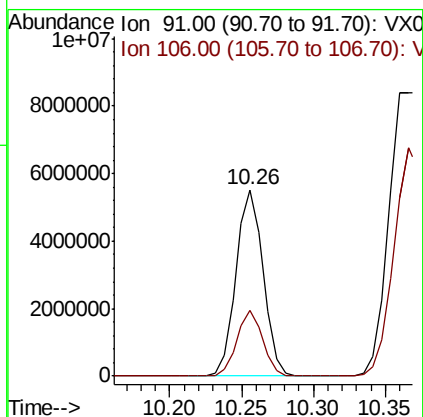
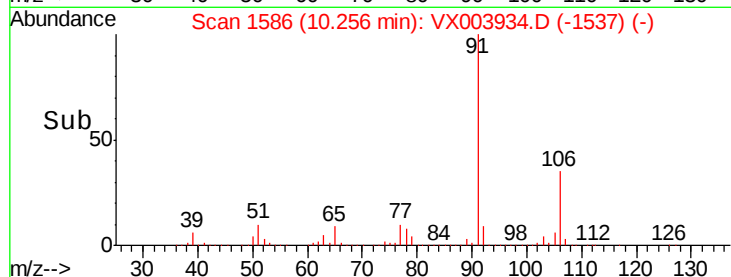
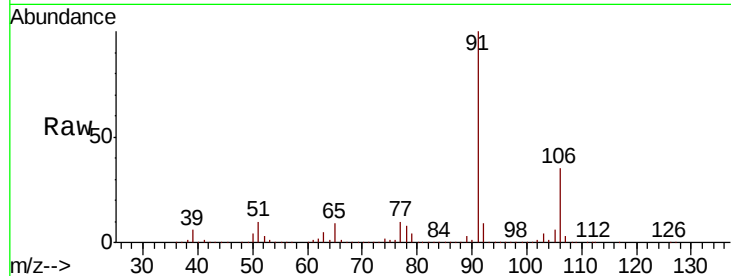
106 35.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:40:25 AM



#68

m/p-Xylenes

Concen: 1257.823 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003934.D

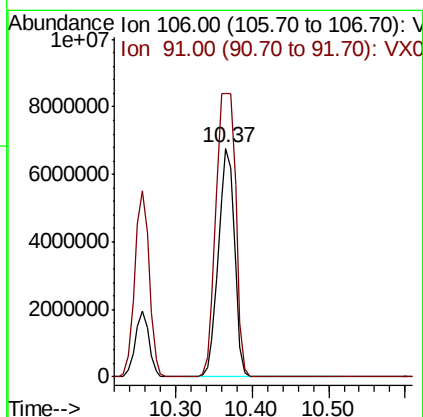
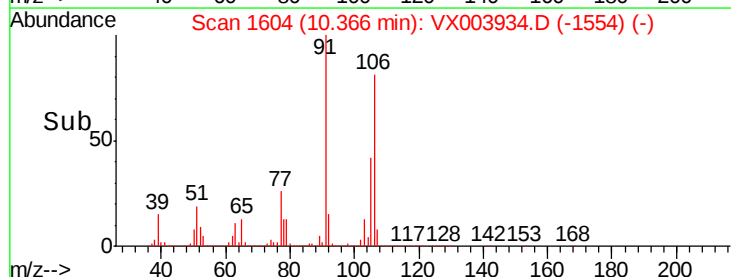
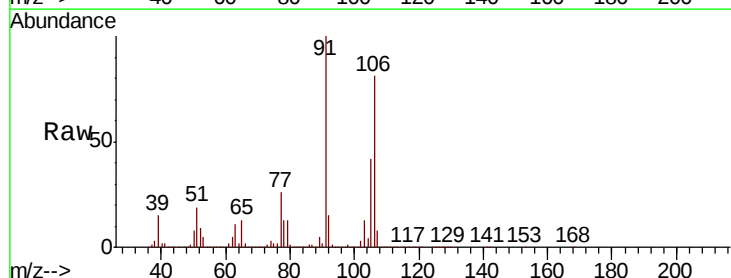
Acq: 08 Aug 2018 19:58

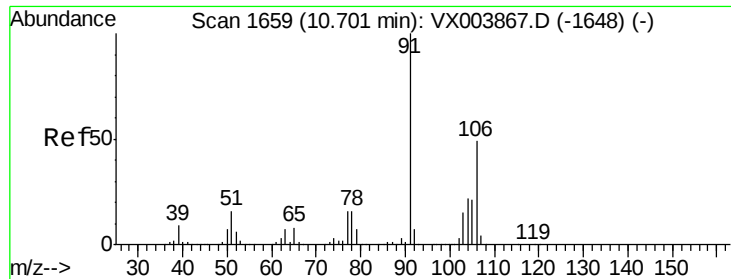
Tgt Ion: 106 Resp: 9865526

Ion Ratio Lower Upper

106 100

91 152.9 162.3 243.5#





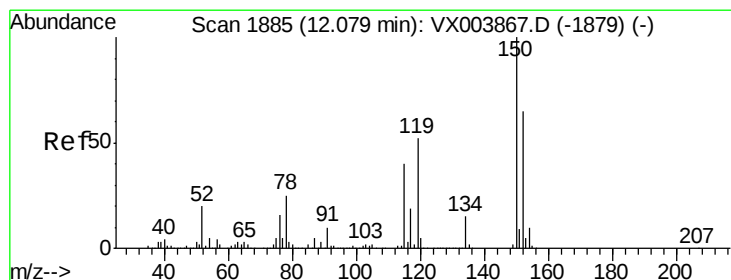
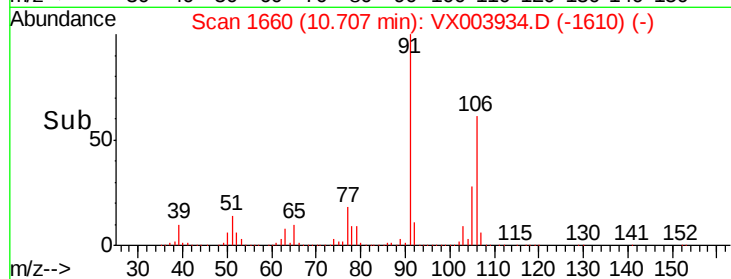
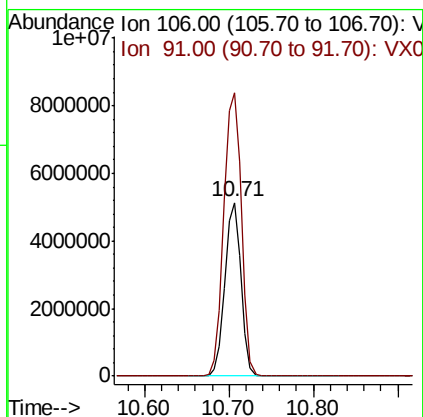
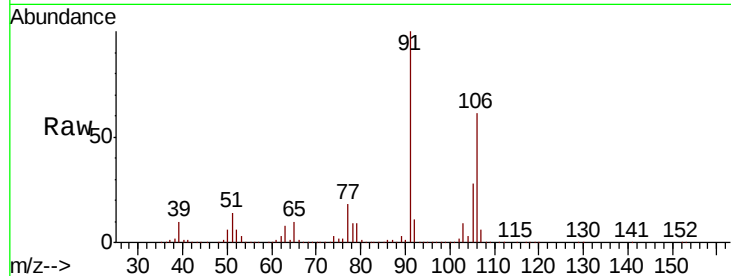
#69
o-Xylene
Concen: 915.397 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX003934.D
Acq: 08 Aug 2018 19:58

Instrument :
MSVOA_X
ClientSampleId :
FL-0554

Tgt Ion:106 Resp: 6777607
Ion Ratio Lower Upper
106 100
91 179.4 101.9 305.7

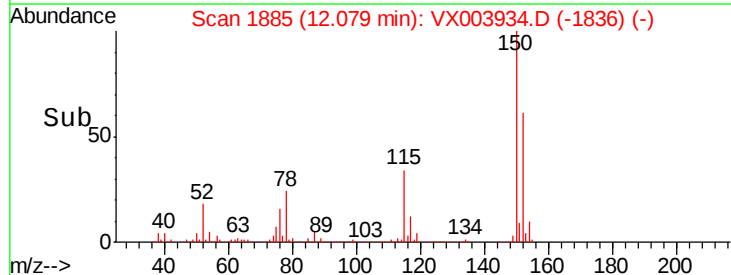
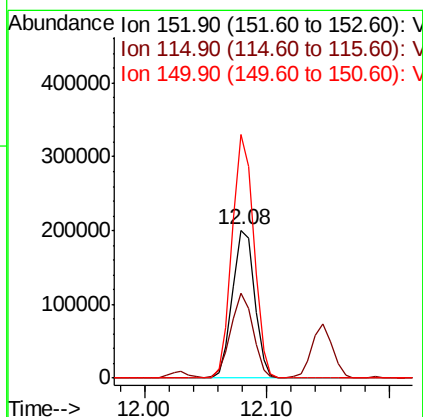
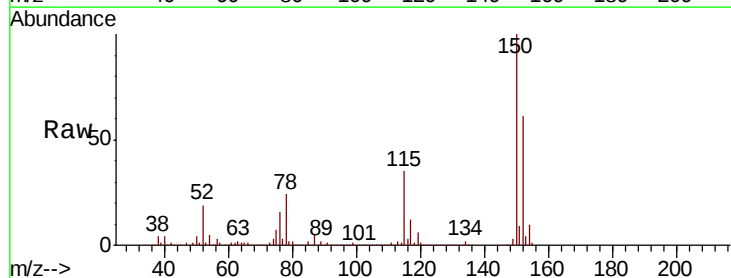
Manual Integrations
APPROVED

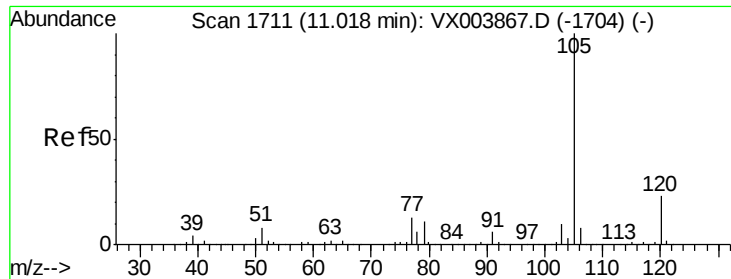
MMDadoda
8/9/2018 10:40:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003934.D
Acq: 08 Aug 2018 19:58

Tgt Ion:152 Resp: 250583
Ion Ratio Lower Upper
152 100
115 57.8 39.1 117.3
150 160.7 0.0 349.2





#73

Isopropylbenzene

Concen: 50.188 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003934.D

Acq: 08 Aug 2018 19:58

Instrument :

MSVOA_X

ClientSampleId :

FL-0554

Tgt Ion: 105 Resp: 930333

Ion Ratio Lower Upper

105 100

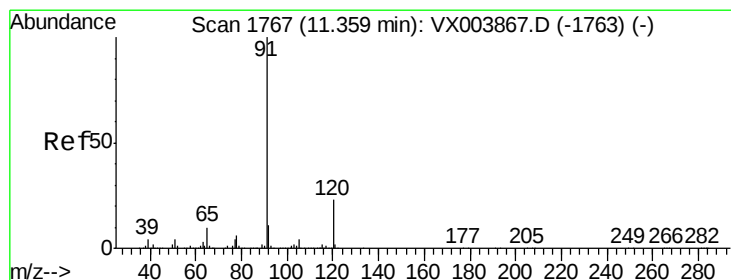
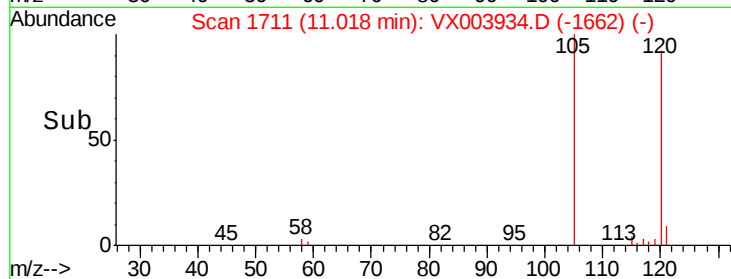
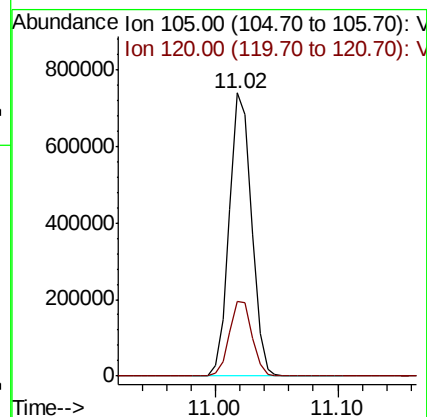
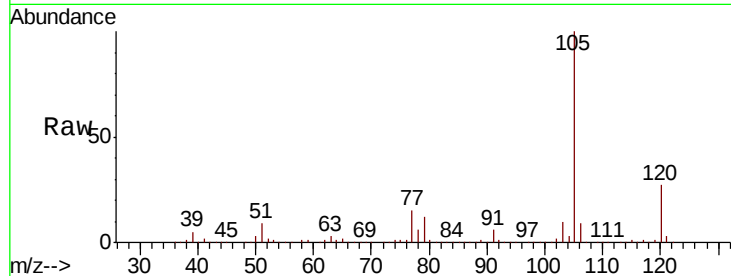
120 26.9 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

8/9/2018 10:40:25 AM



#78

n-propylbenzene

Concen: 54.273 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003934.D

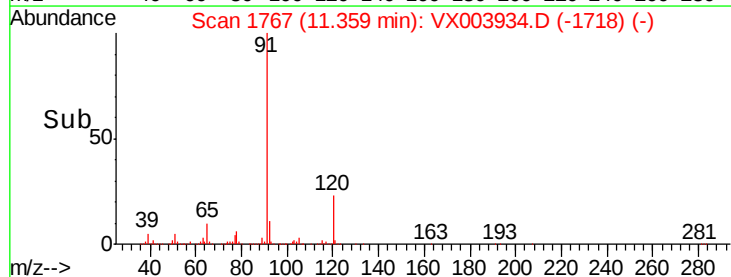
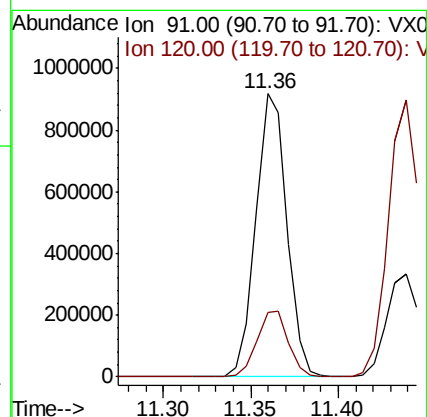
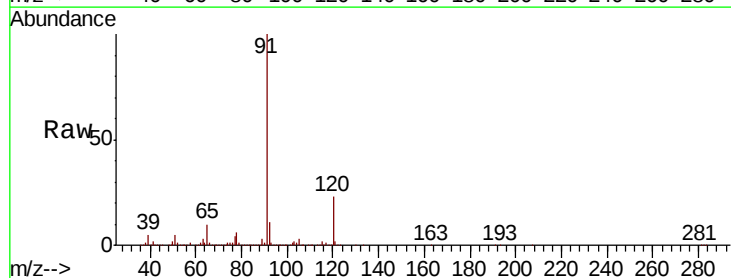
Acq: 08 Aug 2018 19:58

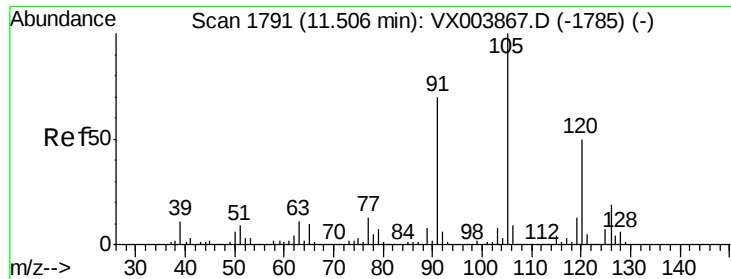
Tgt Ion: 91 Resp: 1129735

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.5





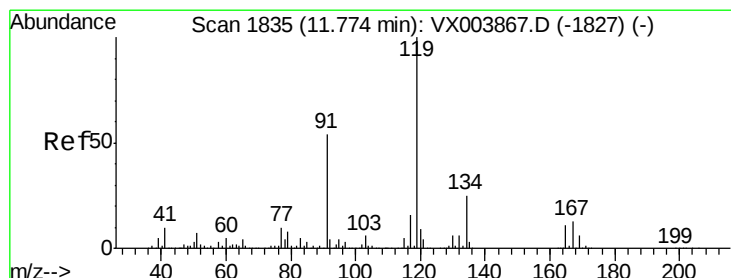
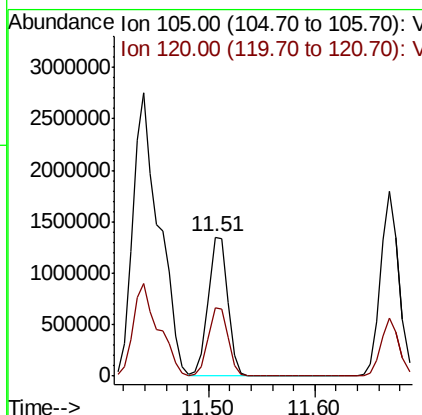
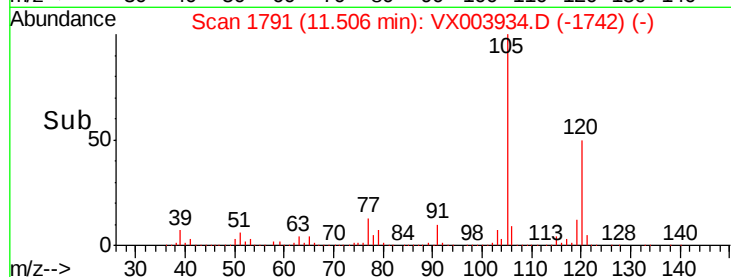
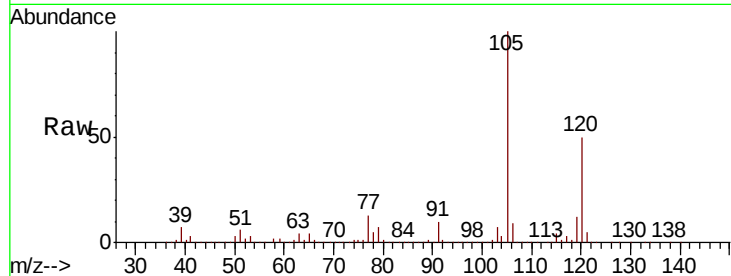
#80
 1,3,5-Trimethylbenzene
 Concen: 111.201 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003934.D
 Acq: 08 Aug 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0554

Tgt Ion:105 Resp: 1680853
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.4 76.2

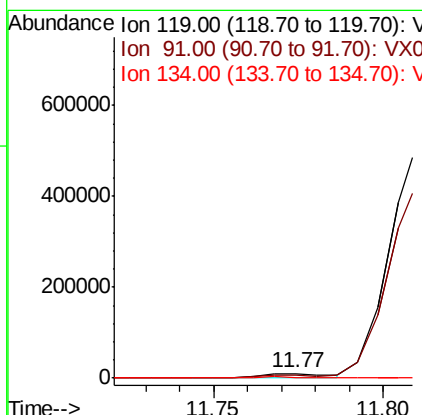
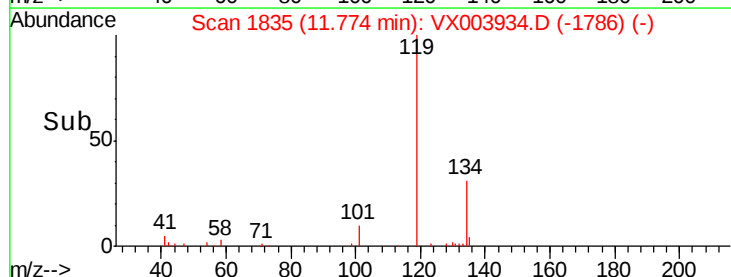
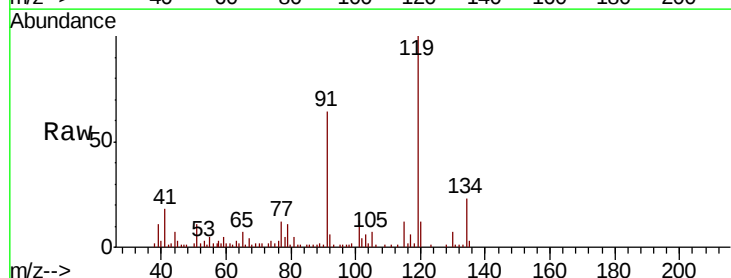
Manual Integrations
 APPROVED

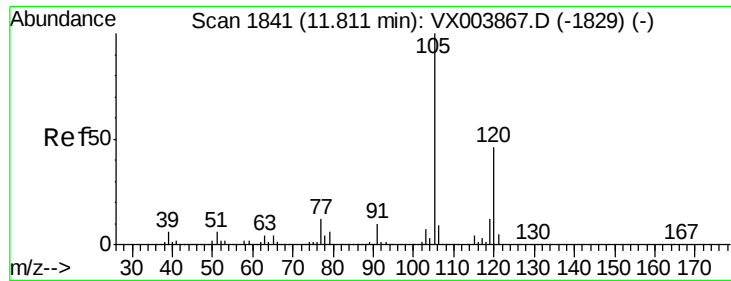
MMDadoda
 8/9/2018 10:40:25 AM



#83
 tert-Butylbenzene
 Concen: 0.909 ug/l m
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003934.D
 Acq: 08 Aug 2018 19:58

Tgt Ion:119 Resp: 13522
 Ion Ratio Lower Upper
 119 100
 91 3832.2 26.9 80.7#
 134 0.0 12.0 36.0#





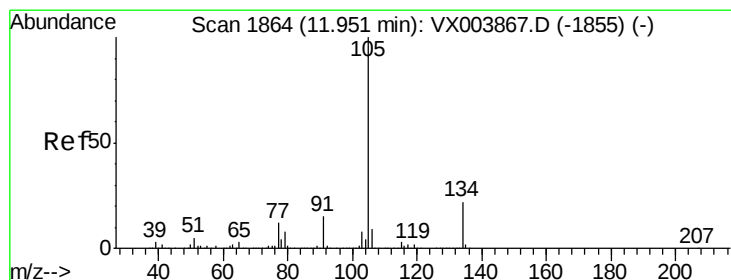
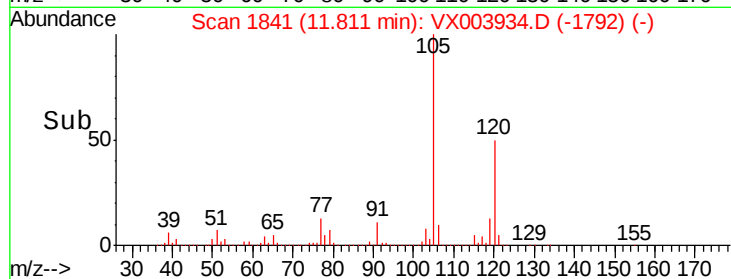
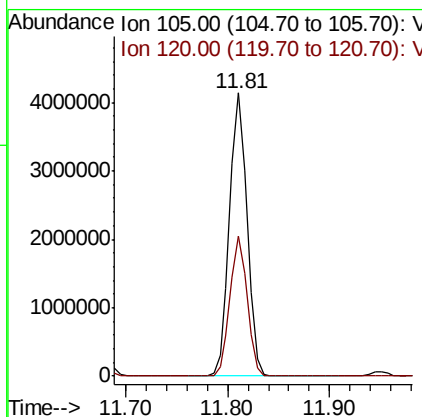
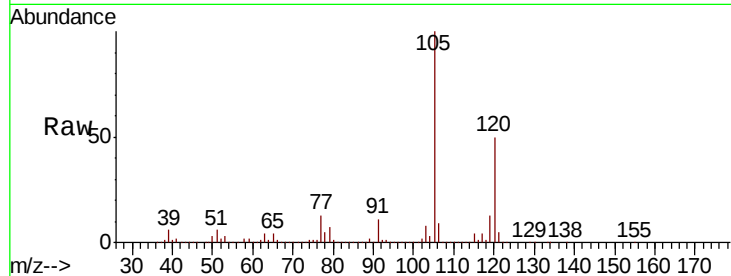
#84
 1,2,4-Trimethylbenzene
 Concen: 322.870 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003934.D
 Acq: 08 Aug 2018 19:58

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0554

Tgt Ion:105 Resp: 4907139
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.1 69.2

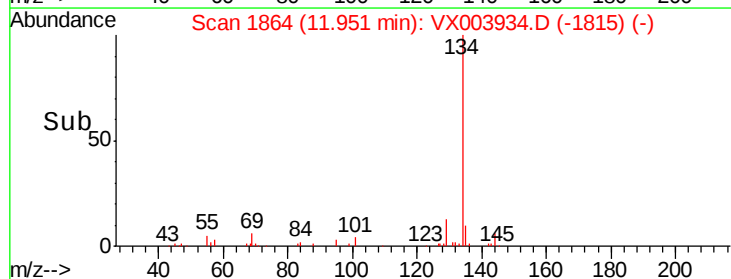
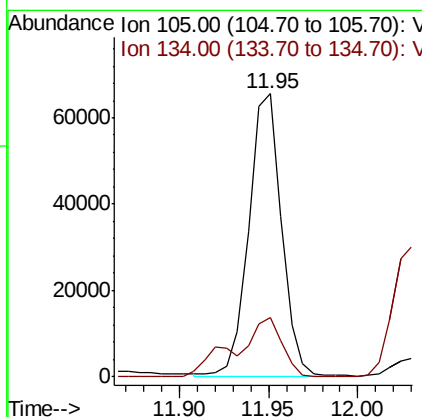
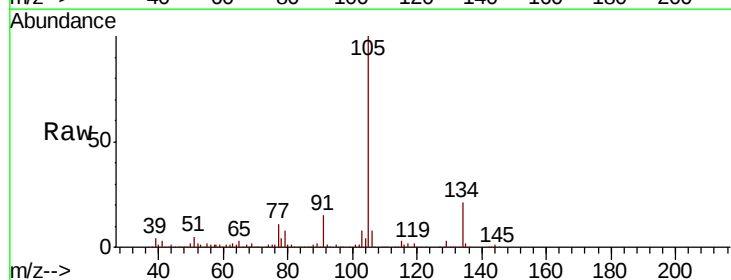
Manual Integrations
 APPROVED

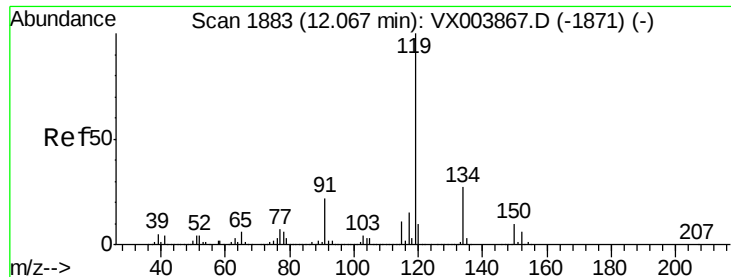
MMDadoda
 8/9/2018 10:40:25 AM



#85
 sec-Butylbenzene
 Concen: 4.799 ug/l m
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003934.D
 Acq: 08 Aug 2018 19:58

Tgt Ion:105 Resp: 84215
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.9#





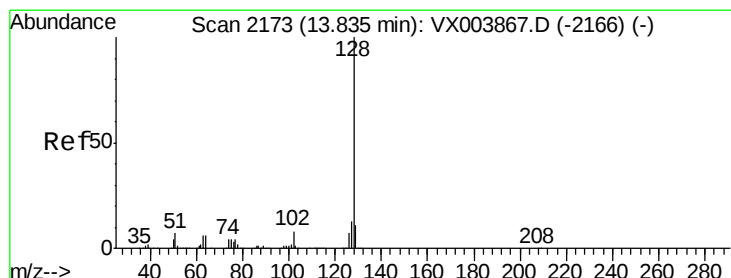
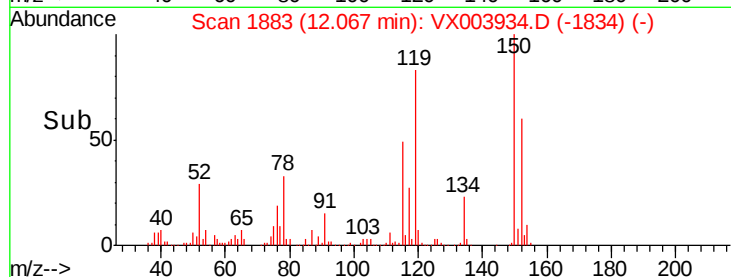
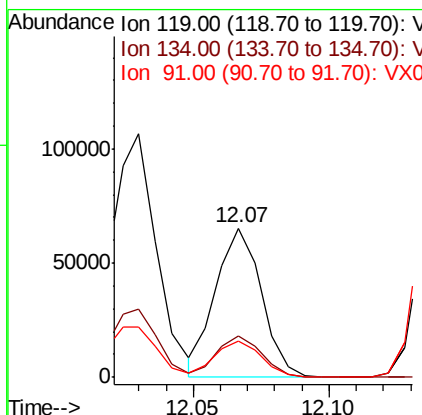
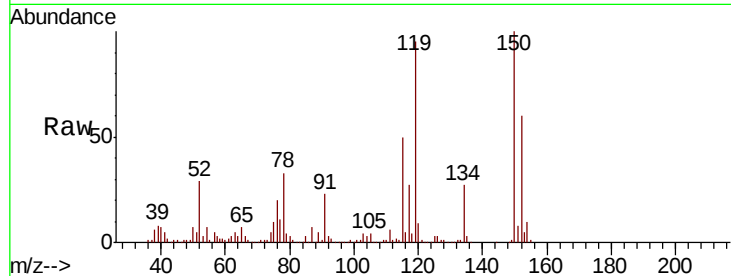
#86
p-Isopropyltoluene
Concen: 4.858 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003934.D
Acq: 08 Aug 2018 19:58

Instrument :
MSVOA_X
ClientSampled :
FL-0554

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.3	39.8
91	24.4	10.9	32.7

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:40:25 AM



#95
Naphthalene
Concen: 131.800 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003934.D
Acq: 08 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.1	8.8	13.2

