

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003227.D
 Acq On : 06 Jul 2018 22:00
 Operator : JC/MD
 Sample : J3754-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0143

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:56:55 PM

Quant Time: Jul 09 09:30:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	420304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	398027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228645	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	189028	45.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.78%	
35) Dibromofluoromethane	5.51	113	157097	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
50) Toluene-d8	8.72	98	593383	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.14	95	212641	45.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.72%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.07	59	6747	8.222	ug/l #	88
39) Methylcyclohexane	7.46	83	3483	0.649	ug/l #	83
40) Benzene	6.15	78	35823	2.675	ug/l	97
67) Ethyl Benzene	10.26	91	106003	6.347	ug/l	99
68) m/p-Xylenes	10.37	106	5665	0.880	ug/l	98
73) Isopropylbenzene	11.02	105	28850	1.876	ug/l	99
78) n-propylbenzene	11.36	91	32374	1.849	ug/l	99
83) tert-Butylbenzene	11.77	119	2991	0.234	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	5875	0.438	ug/l	97
85) sec-Butylbenzene	11.95	105	12957	0.837	ug/l #	72
95) Naphthalene	13.83	128	13402	0.856	ug/l #	95

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

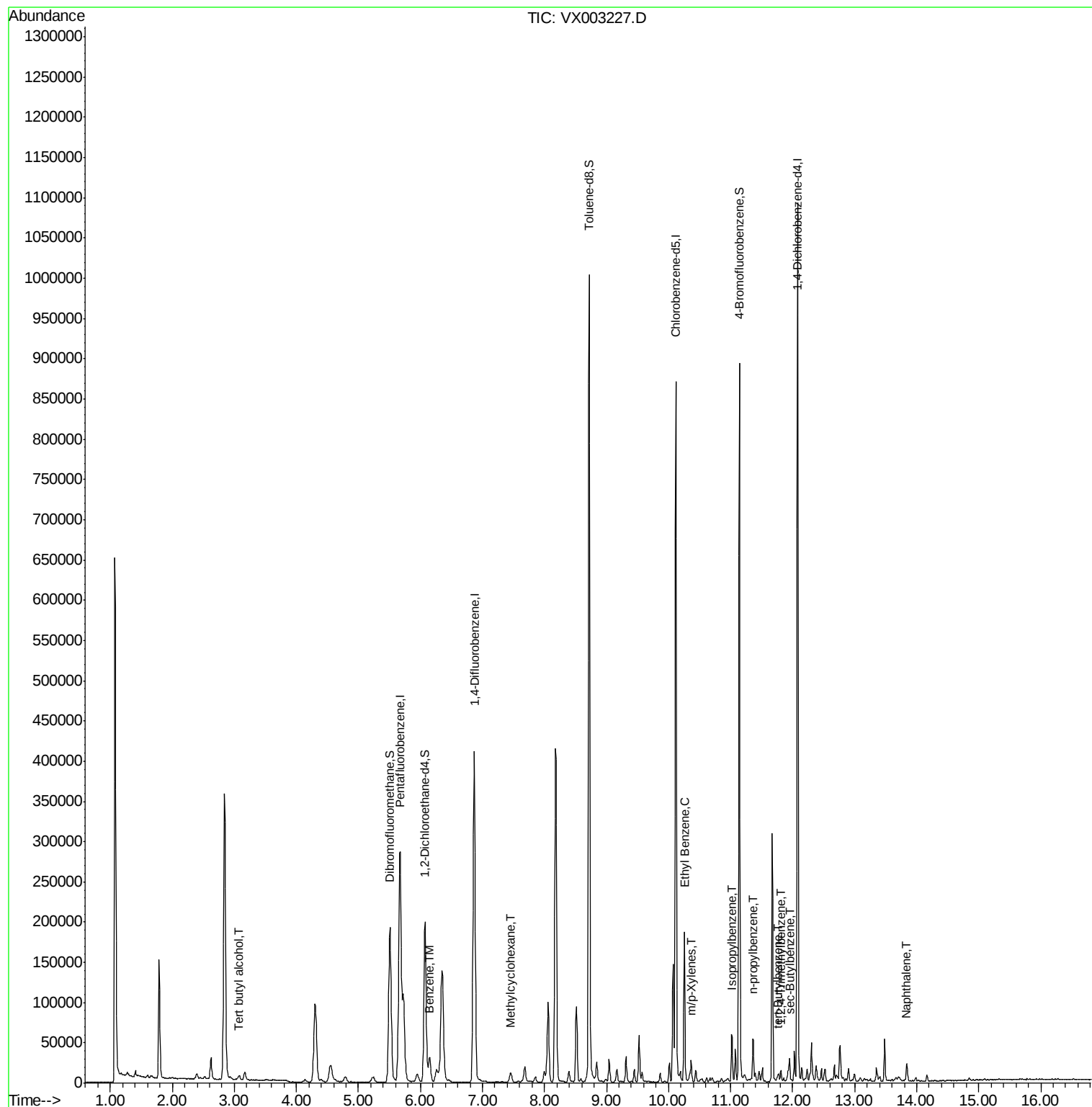
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070618\
Data File : VX003227.D
Acq On : 06 Jul 2018 22:00
Operator : JC/MD
Sample : J3754-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

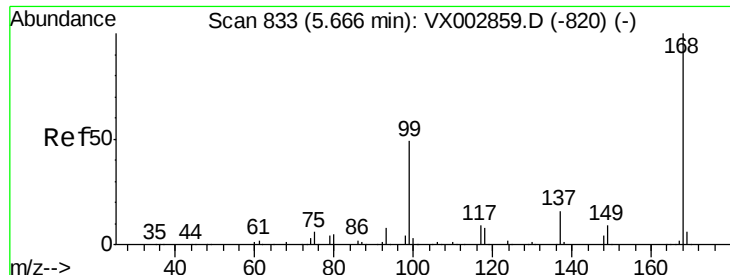
Instrument :
MSVOA_X
ClientSampleId :
S10-0143

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:56:55 PM

Quant Time: Jul 09 09:30:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





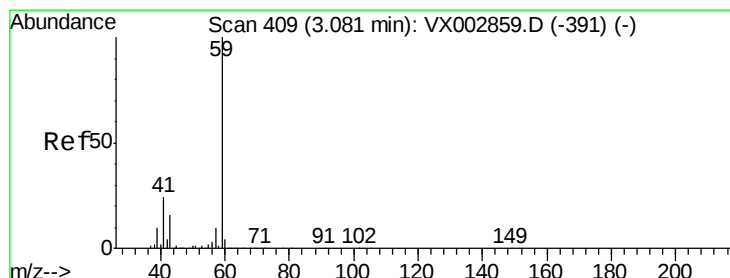
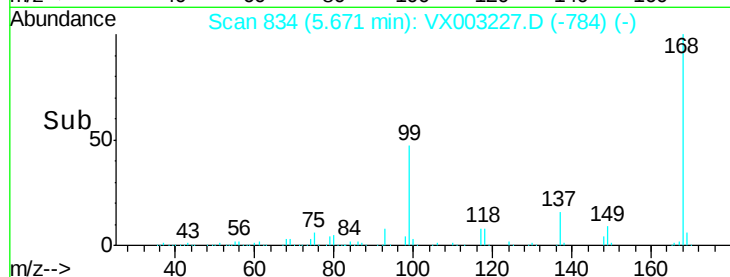
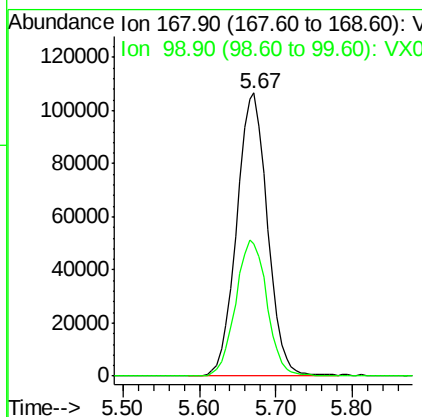
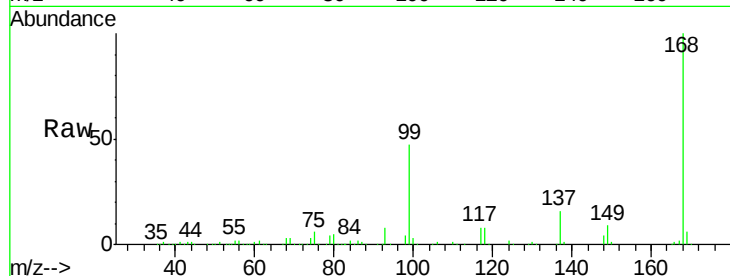
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003227.D
Acq: 06 Jul 2018 22:00

Instrument :
MSVOA_X
ClientSampled :
S10-0143

Tot Ion	Ratio	Resp	Lower	Upper
168	100	298039		
99	46.9	39.3	58.9	

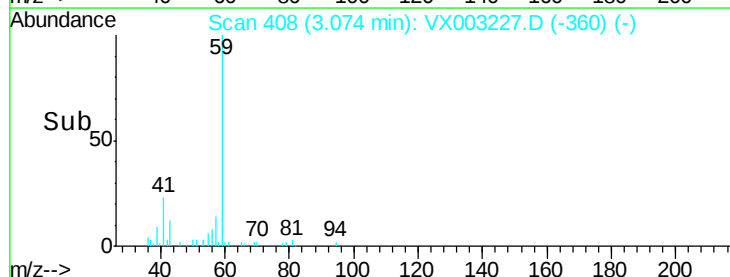
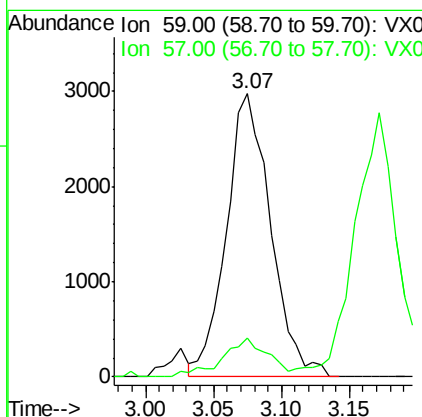
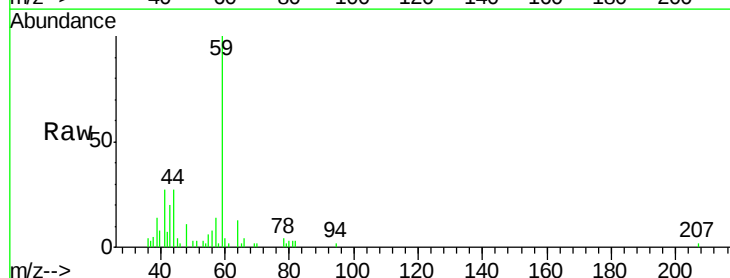
Manual Integrations
APPROVED

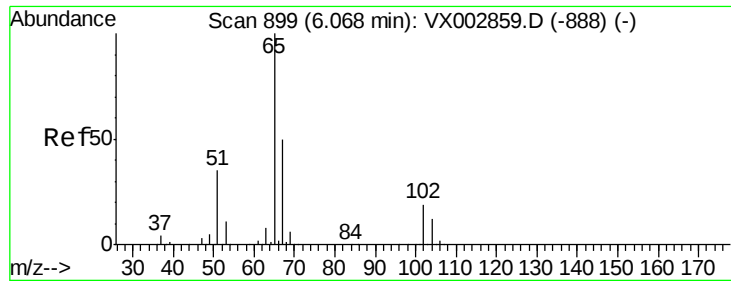
MMDadoda
7/9/2018 12:56:55 PM



#11
Tert butyl alcohol
Concen: 8.222 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003227.D
Acq: 06 Jul 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	6747		
57	14.7	8.2	12.2	#





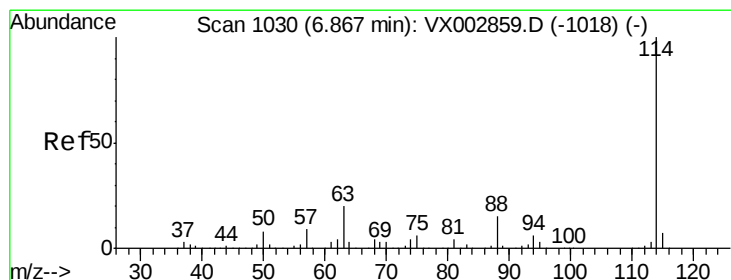
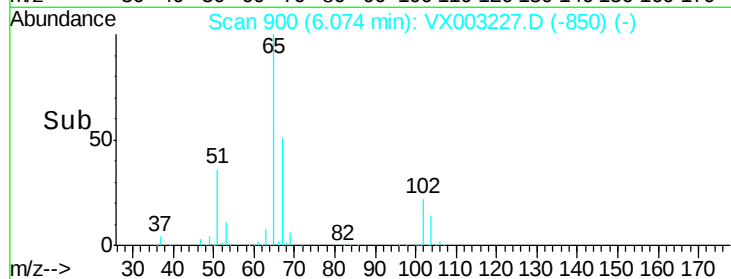
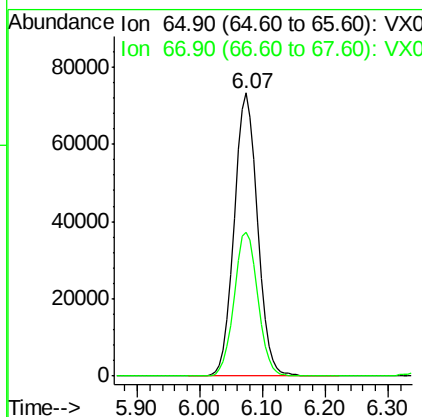
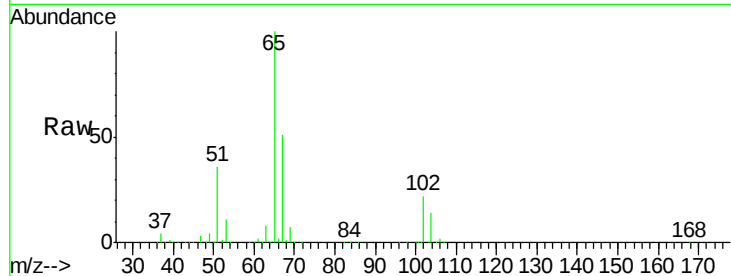
#33
 1,2-Dichloroethane-d4
 Concen: 45.886 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003227.D
 Acq: 06 Jul 2018 22:00

Instrument :
 MSVOA_X
 ClientSampled :
 S10-0143

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189028		
67	51.6	0.0	102.6	

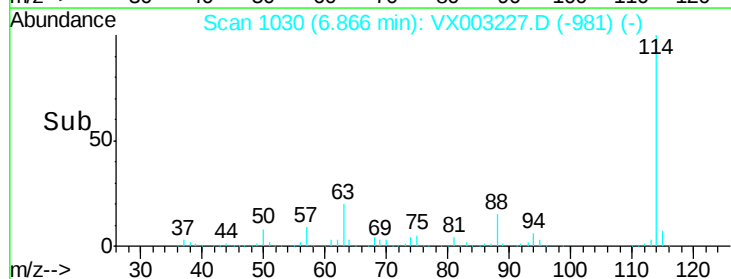
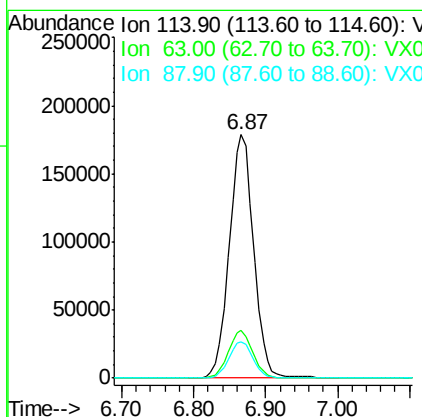
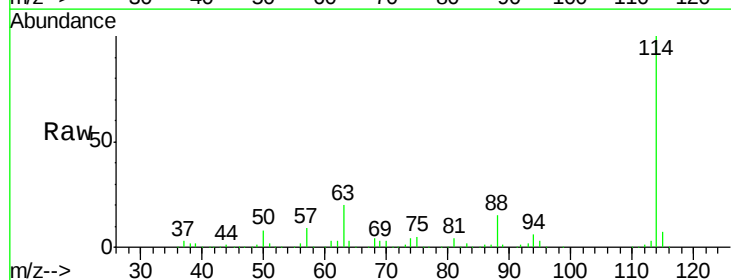
Manual Integrations
 APPROVED

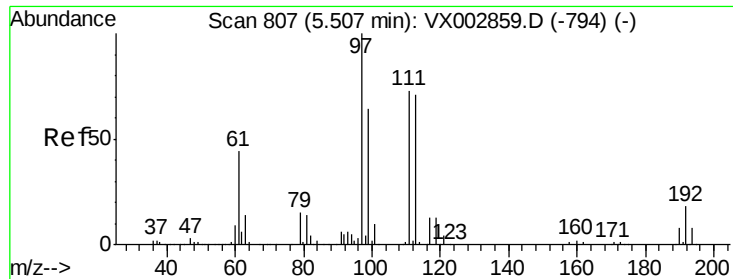
MMDadoda
 7/9/2018 12:56:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003227.D
 Acq: 06 Jul 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	420304		
63	19.8	0.0	41.4	
88	15.1	0.0	30.0	





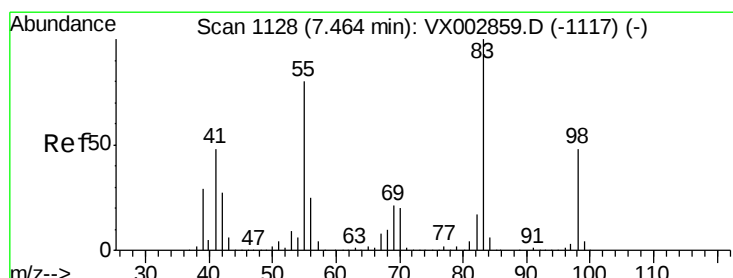
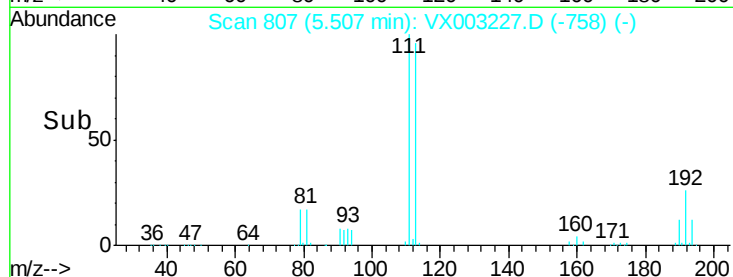
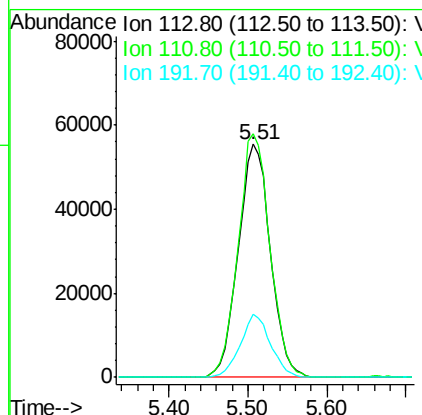
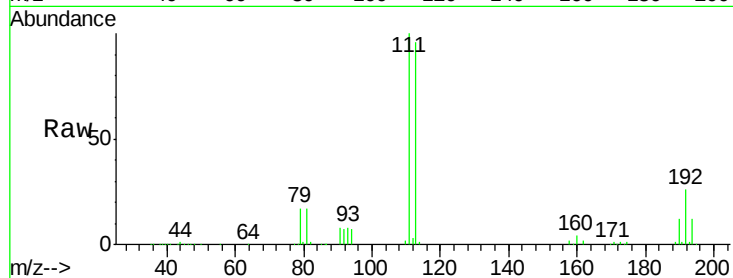
#35
Dibromofluoromethane
Concen: 47.199 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003227.D
Acq: 06 Jul 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
S10-0143

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157097		
111	103.5	81.4	122.0	
192	25.4	19.1	28.7	

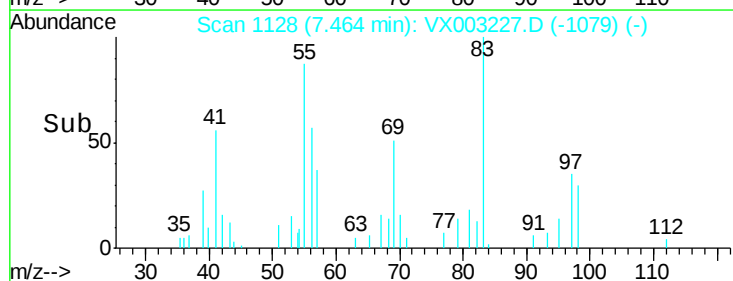
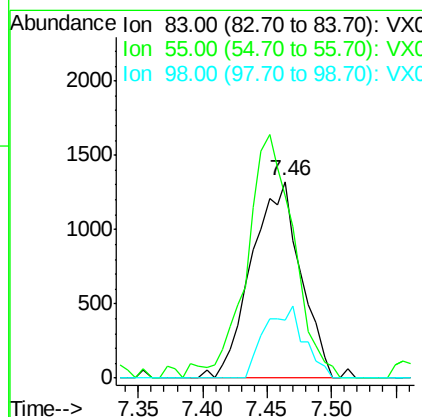
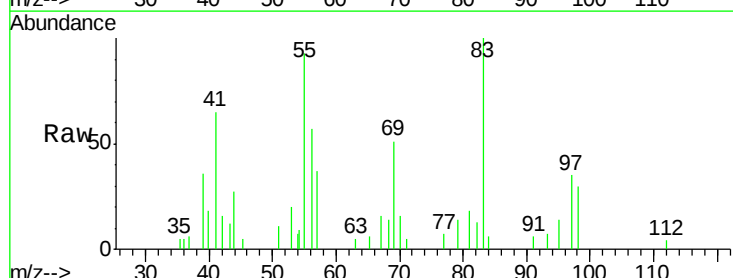
Manual Integrations
APPROVED

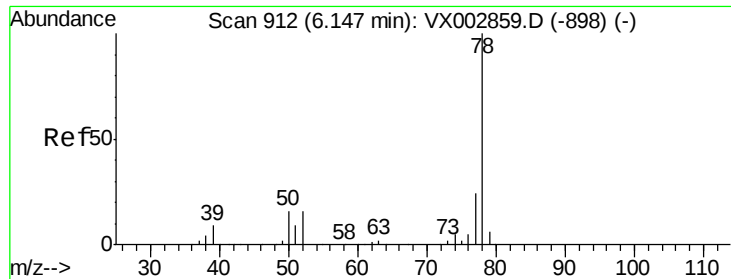
MMDadoda
7/9/2018 12:56:55 PM



#39
Methylcyclohexane
Concen: 0.649 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003227.D
Acq: 06 Jul 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	3483		
55	92.7	65.4	98.0	
98	29.7	37.4	56.0	





#40

Benzene

Concen: 2.675 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003227.D

Acq: 06 Jul 2018 22:00

Instrument :

MSVOA_X

ClientSampled :

S10-0143

Tot Ion: 78 Resp: 35823

Ion Ratio Lower Upper

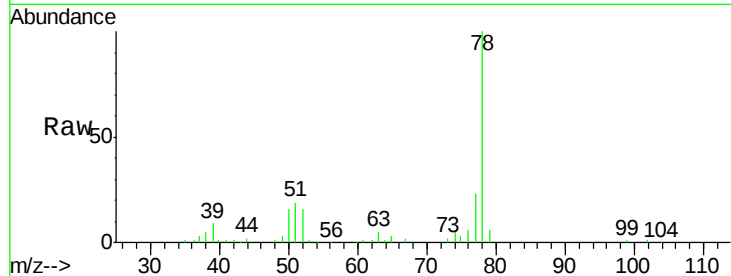
78 100

77 22.5 19.1 28.7

Manual Integrations
APPROVED

MMDadoda

7/9/2018 12:56:55 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

15000

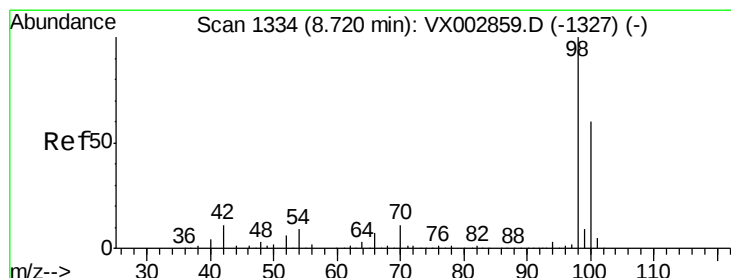
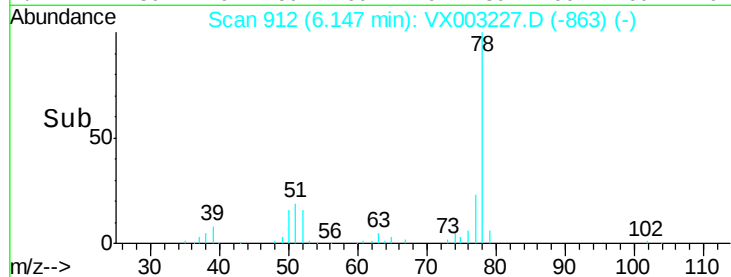
10000

5000

0

6.10 6.20

Time-->



#50

Toluene-d8

Concen: 48.820 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003227.D

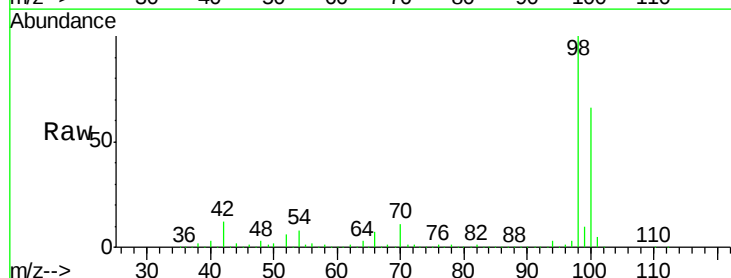
Acq: 06 Jul 2018 22:00

Tgt Ion: 98 Resp: 593383

Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

400000

300000

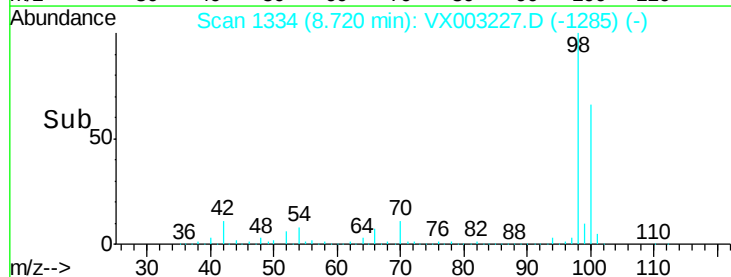
200000

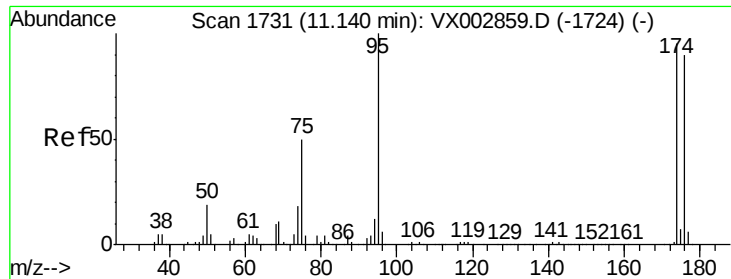
100000

0

8.60 8.70 8.80

Time-->





#62

4-Bromofluorobenzene

Concen: 45.363 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003227.D

Acq: 06 Jul 2018 22:00

Instrument :

MSVOA_X

ClientSampleId :

S10-0143

Tot Ion: 95 Resp: 212641

Ion Ratio Lower Upper

95 100

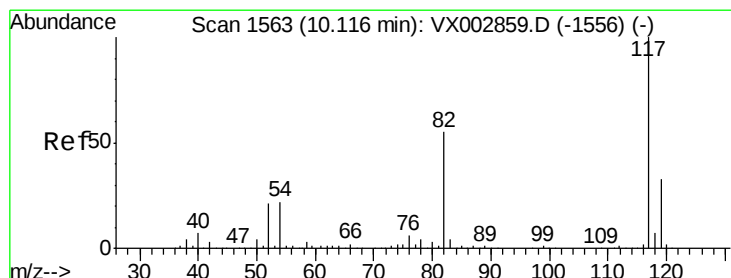
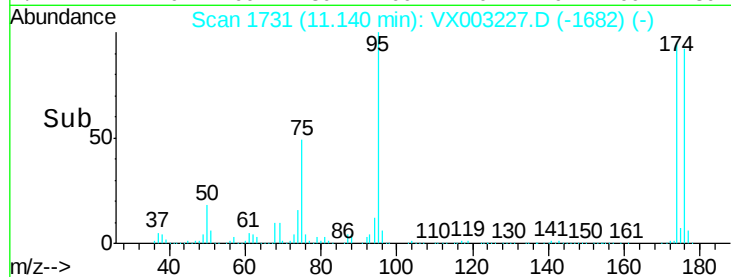
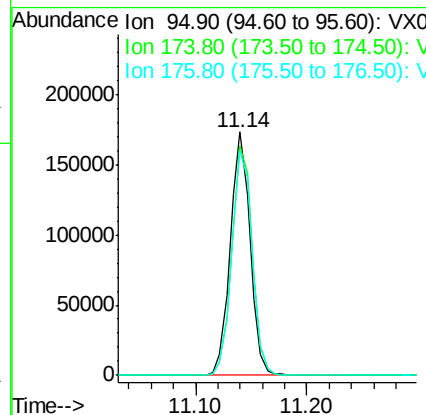
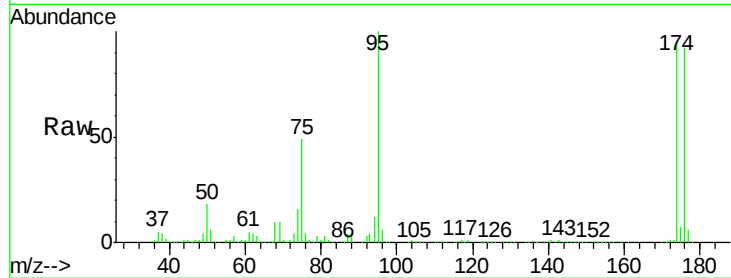
174 97.5 0.0 187.4

176 95.5 0.0 181.0

Manual Integrations
APPROVED

MMDadoda

7/9/2018 12:56:55 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003227.D

Acq: 06 Jul 2018 22:00

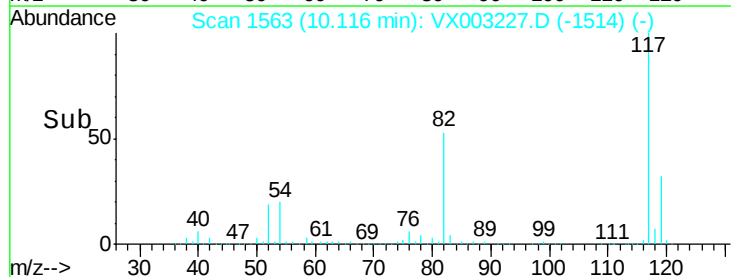
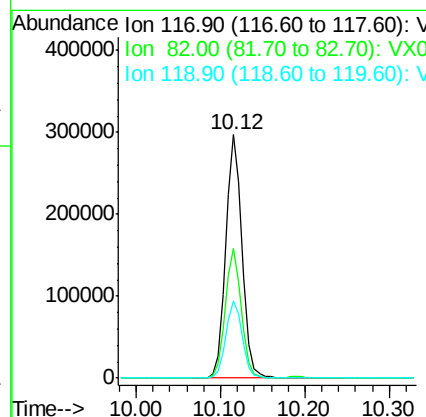
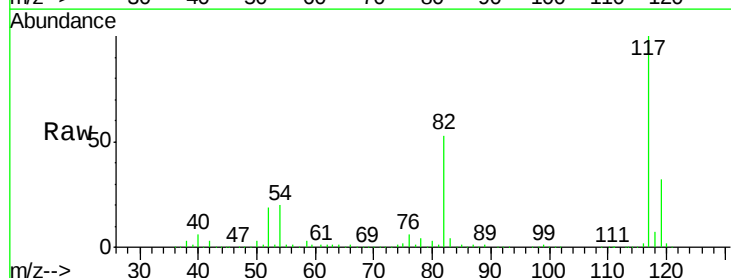
Tgt Ion: 117 Resp: 398027

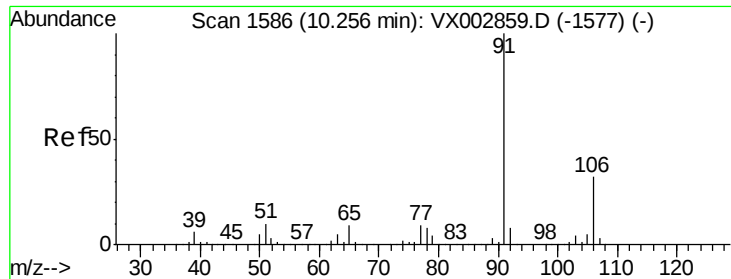
Ion Ratio Lower Upper

117 100

82 53.1 45.0 67.4

119 31.9 25.8 38.6





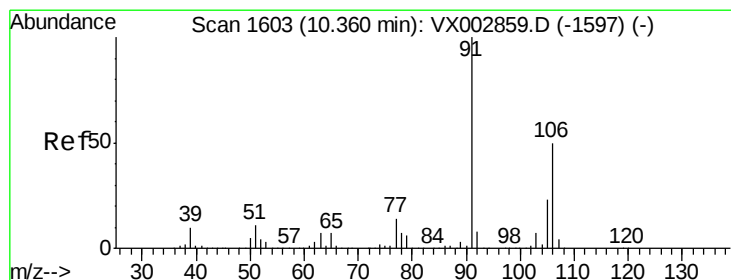
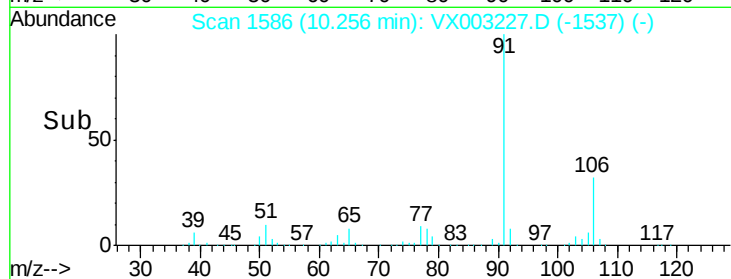
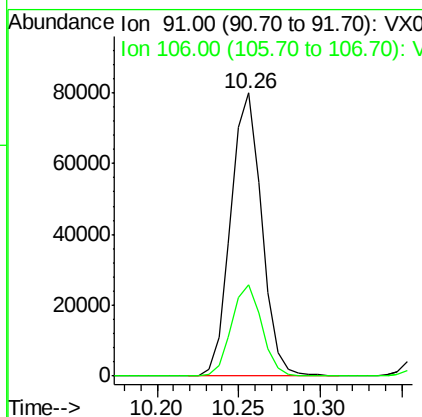
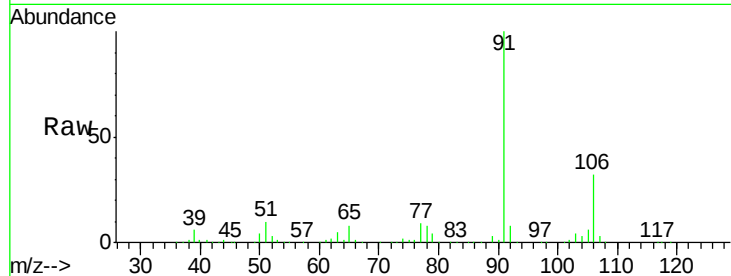
#67
Ethyl Benzene
Concen: 6.347 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003227.D
Acq: 06 Jul 2018 22:00

Instrument :
MSVOA_X
ClientSampled :
S10-0143

Tot Ion: 91 Resp: 106003
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3

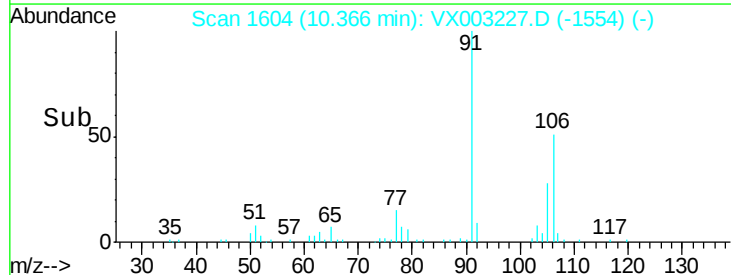
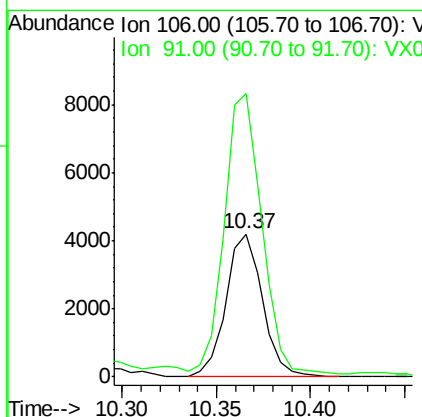
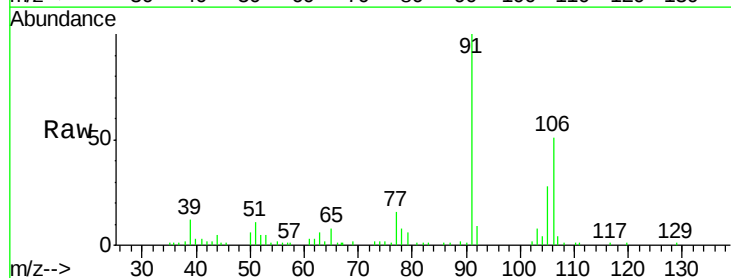
Manual Integrations
APPROVED

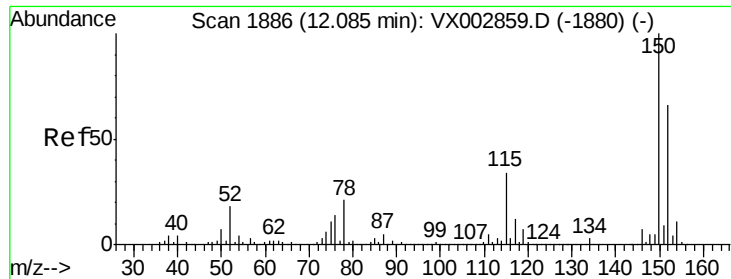
MMDadoda
7/9/2018 12:56:55 PM



#68
m/p-Xylenes
Concen: 0.880 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003227.D
Acq: 06 Jul 2018 22:00

Tgt Ion: 106 Resp: 5665
Ion Ratio Lower Upper
106 100
91 201.1 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003227.D

Acq: 06 Jul 2018 22:00

Instrument :

MSVOA_X

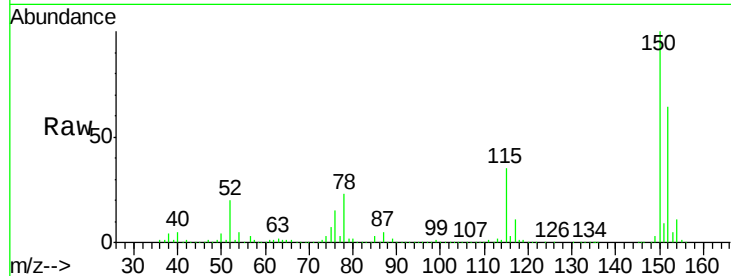
ClientSampleId :

S10-0143

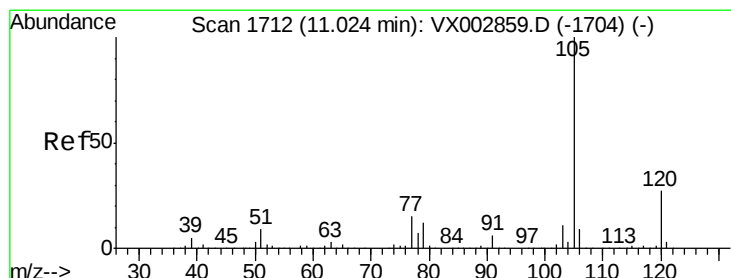
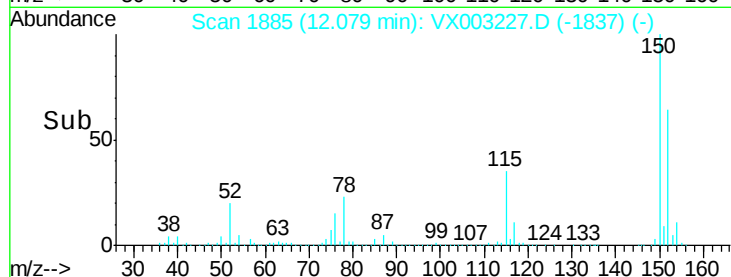
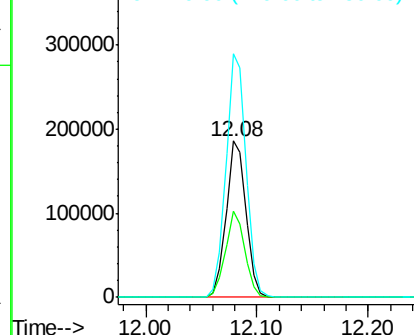
Tot Ion:	152	Resp:	228645
Ion Ratio	Lower	Upper	
152	100		
115	54.0	40.1	120.2
150	157.3	0.0	347.2

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:56:55 PM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.876 ug/l

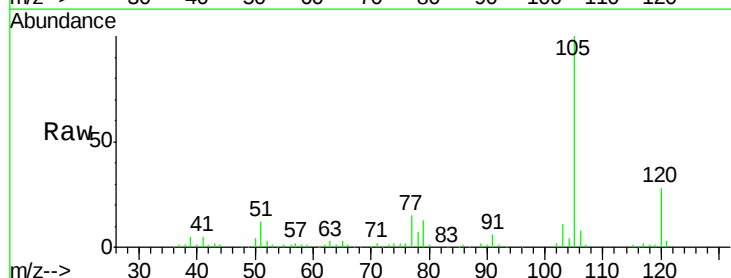
RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

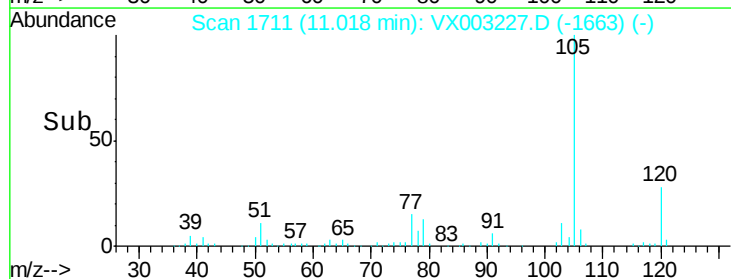
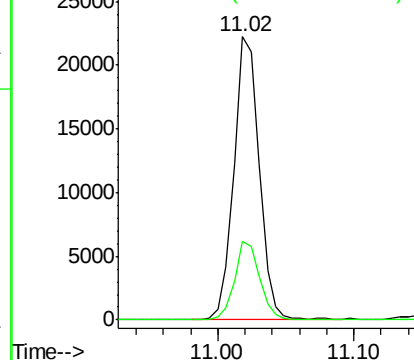
Lab File: VX003227.D

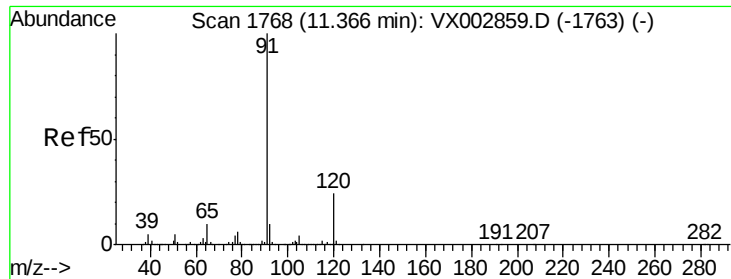
Acq: 06 Jul 2018 22:00

Tgt Ion:	105	Resp:	28850
Ion Ratio	Lower	Upper	
105	100		
120	27.3	13.5	40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.849 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003227.D

Acq: 06 Jul 2018 22:00

Instrument :

MSVOA_X

ClientSampled :

S10-0143

Tot Ion: 91 Resp: 32374

Ion Ratio Lower Upper

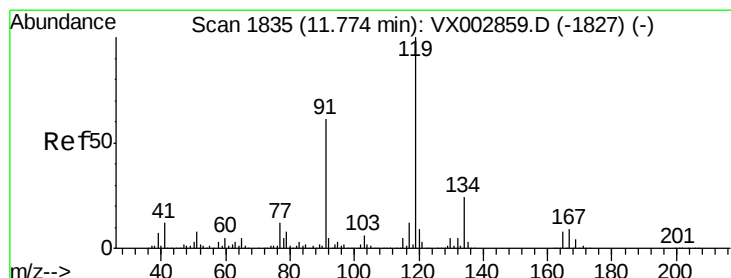
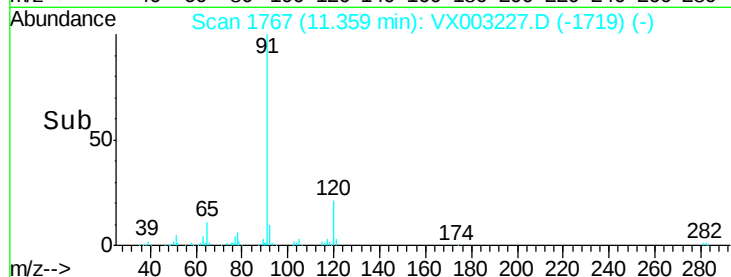
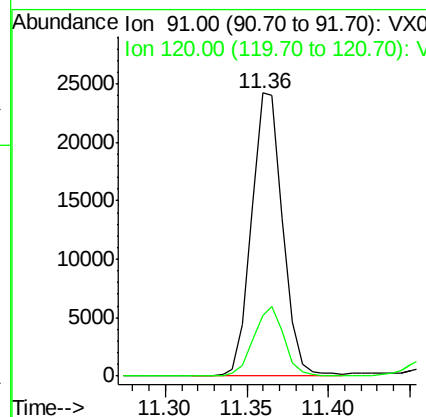
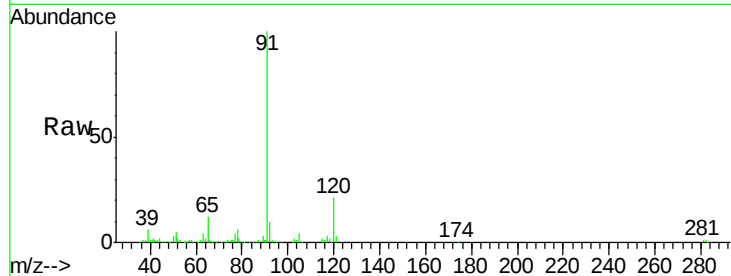
91 100

120 24.0 11.8 35.4

Manual Integrations
APPROVED

MMDadoda

7/9/2018 12:56:55 PM



#83

tert-Butylbenzene

Concen: 0.234 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003227.D

Acq: 06 Jul 2018 22:00

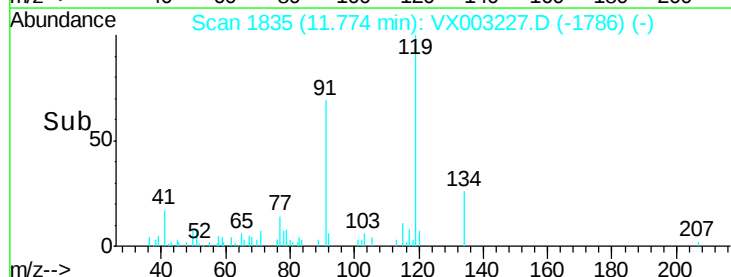
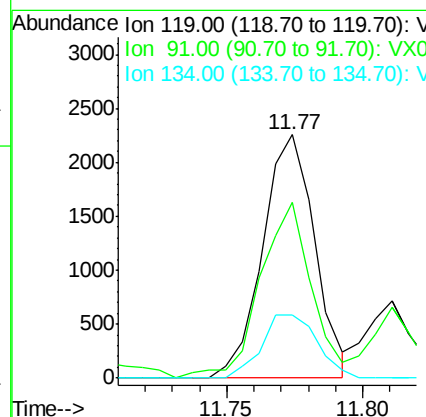
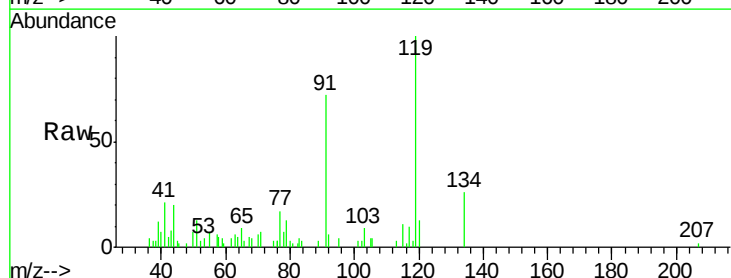
Tgt Ion: 119 Resp: 2991

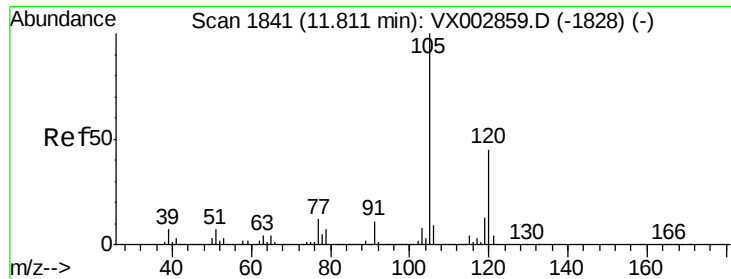
Ion Ratio Lower Upper

119 100

91 70.9 30.3 90.9

134 27.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 0.438 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003227.D

Acq: 06 Jul 2018 22:00

Instrument :

MSVOA_X

ClientSampled :

S10-0143

Tot Ion:105 Resp: 5875

Ion Ratio Lower Upper

105 100

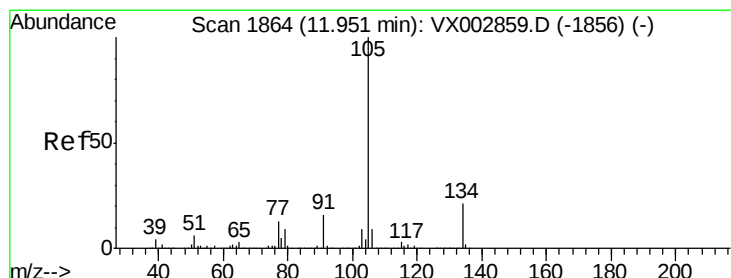
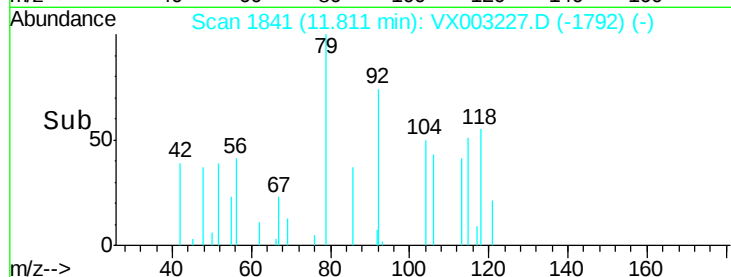
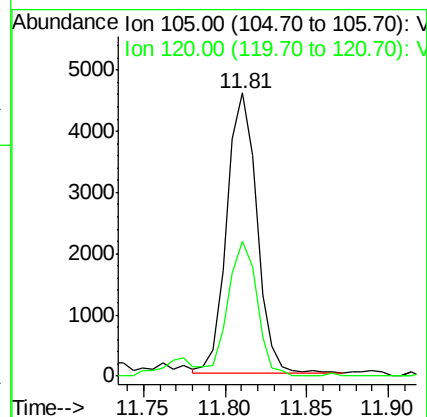
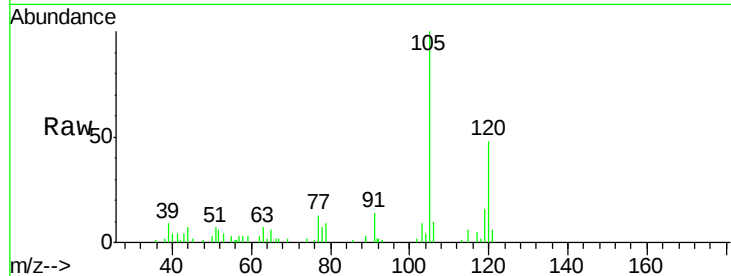
120 46.5 22.3 66.8

Manual Integrations

APPROVED

MMDadoda

7/9/2018 12:56:55 PM



#85

sec-Butylbenzene

Concen: 0.837 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003227.D

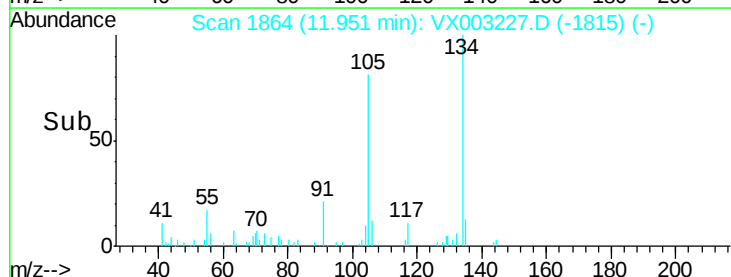
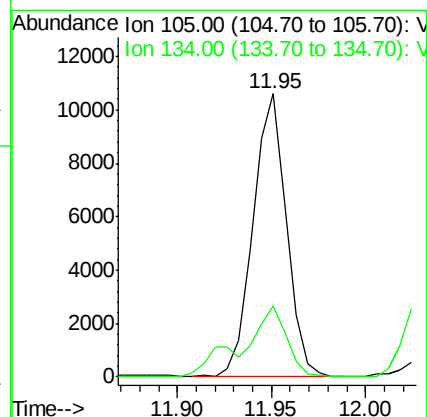
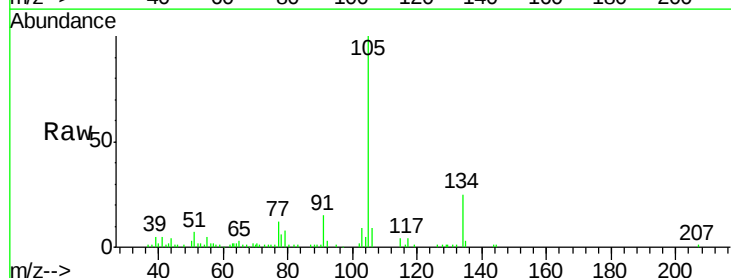
Acq: 06 Jul 2018 22:00

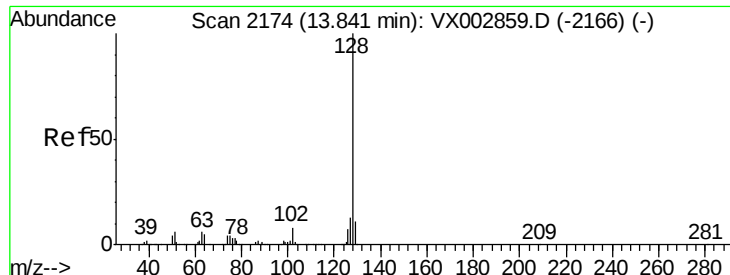
Tgt Ion:105 Resp: 12957

Ion Ratio Lower Upper

105 100

134 33.5 10.4 31.1#





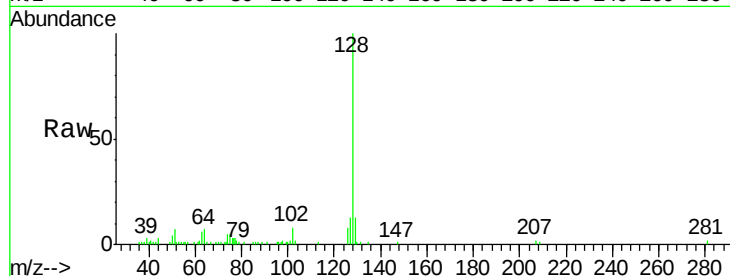
#95
Naphthalene
Concen: 0.856 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003227.D
Acq: 06 Jul 2018 22:00

Instrument :
MSVOA_X
ClientSampleId :
S10-0143

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	13.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:56:55 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

