

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011019\
 Data File : VX006990.D
 Acq On : 10 Jan 2019 15:21
 Operator : JC/MD
 Sample : K1094-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CROSSWICKS-DRUM-1

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 11:42:37 AM

Quant Time: Jan 11 07:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	602044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	957974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	877114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	445964	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	322232	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	5.50	113	284420	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
50) Toluene-d8	8.71	98	115535	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.13	95	392623	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	671791	215.975	ug/l	99
18) Methyl Acetate	2.78	43	15901	1.765	ug/l	94
20) Methylene Chloride	2.86	84	518371	88.050	ug/l	94
25) 2-Butanone	4.70	43	29847	6.706	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	5980381	660.696	ug/l	99
52) Toluene	8.79	92	82139	5.029	ug/l	99
67) Ethyl Benzene	10.26	91	11221486	355.315	ug/l	94
68) m/p-Xylenes	10.36	106	16623152	1335.971	ug/l #	1
69) o-Xylene	10.70	106	13591788	1120.067	ug/l	51
73) Isopropylbenzene	11.02	105	248496	7.902	ug/l	99
78) n-propylbenzene	11.36	91	1090305	31.583	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	5354815	203.790	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	16377653m	619.828	ug/l	
85) sec-Butylbenzene	11.94	105	100014m	3.194	ug/l	
86) p-Isopropyltoluene	12.07	119	58072m	2.074	ug/l	
95) Naphthalene	13.83	128	220022	6.848	ug/l	99

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

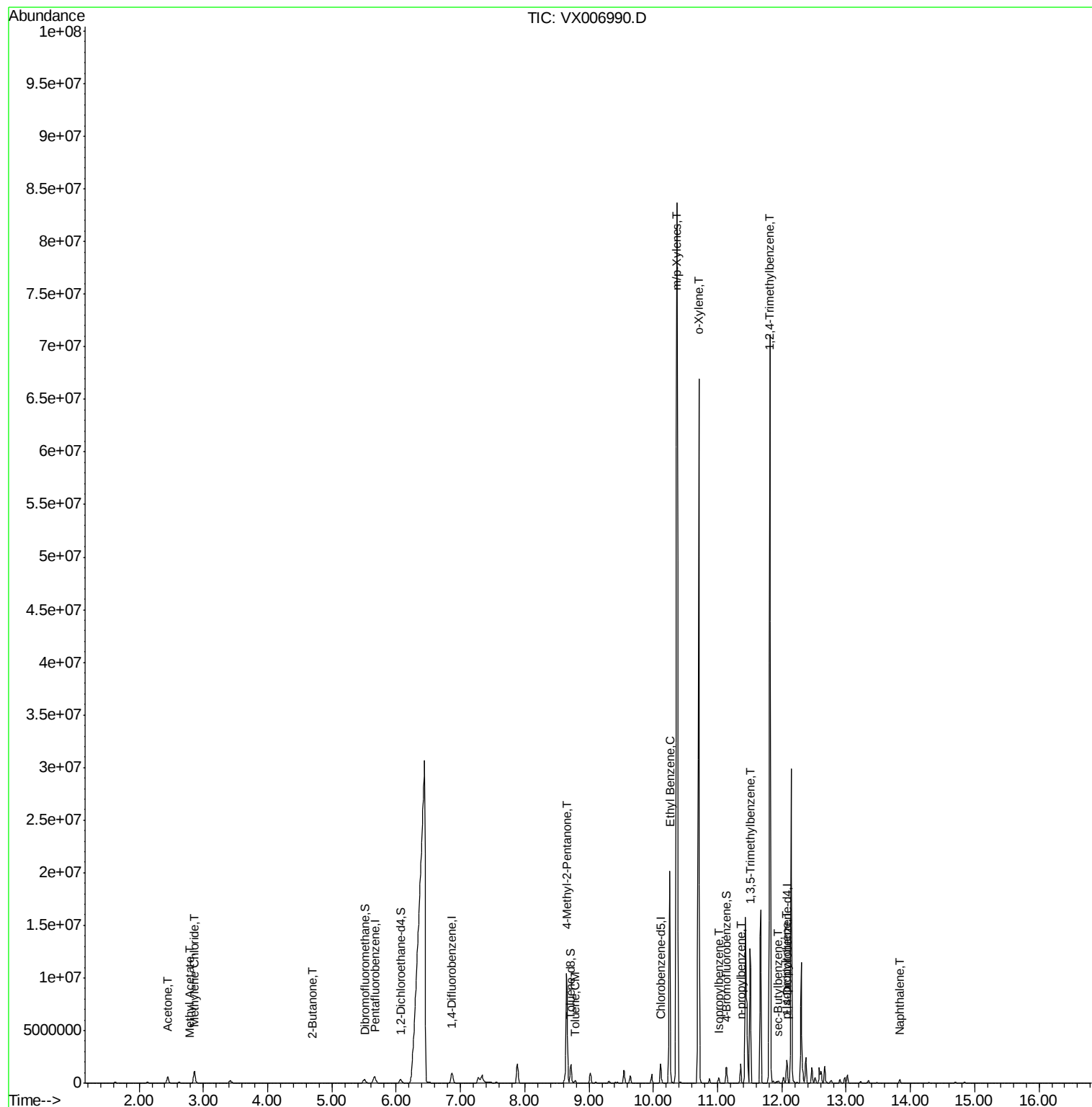
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011019\
Data File : VX006990.D
Acq On : 10 Jan 2019 15:21
Operator : JC/MD
Sample : K1094-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

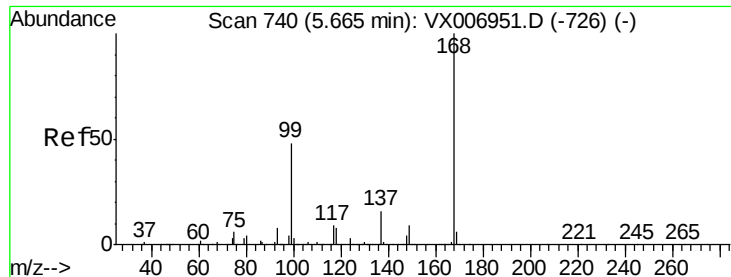
Instrument :
MSVOA_X
ClientSampleId :
CROSSWICKS-DRUM-1

Manual Integrations
APPROVED

MMDadoda
1/11/2019 11:42:37 AM

Quant Time: Jan 11 07:48:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

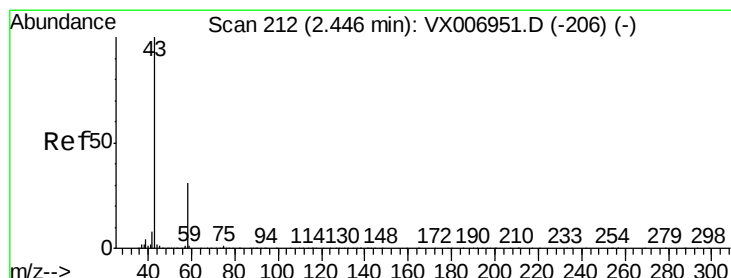
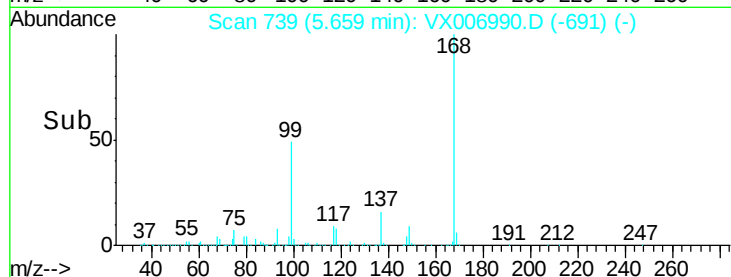
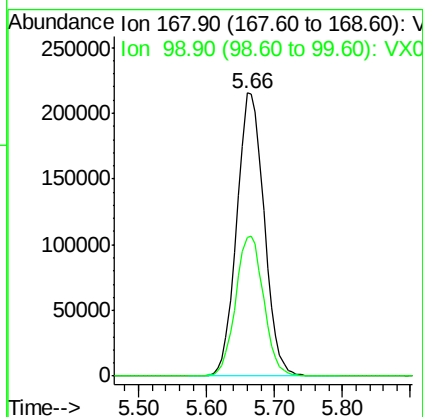
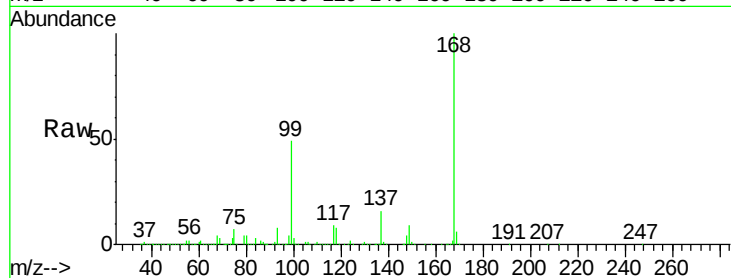
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX006990.D
 Acq: 10 Jan 2019 15:21

Instrument :
 MSVOA_X
 ClientSampleId :
 CROSSWICKS-DRUM-1

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.0	41.8	62.8

Manual Integrations
 APPROVED

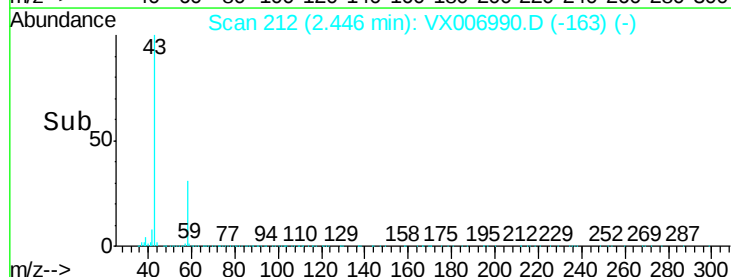
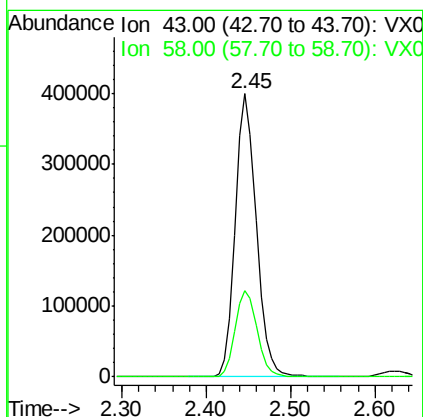
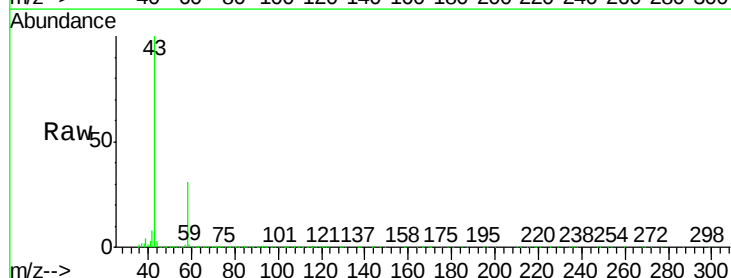
MMDadoda
 1/11/2019 11:42:37 AM

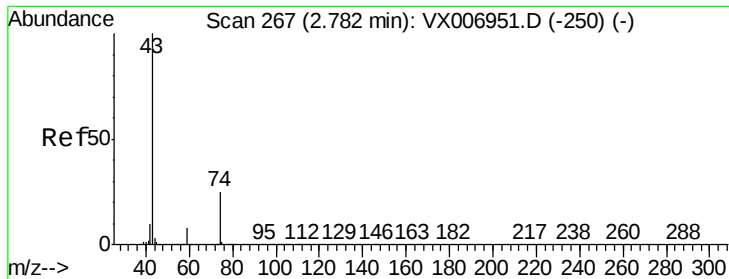


#16

Acetone
 Concen: 215.975 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006990.D
 Acq: 10 Jan 2019 15:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.0	37.6





#18

Methyl Acetate

Concen: 1.765 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Instrument :

MSVOA_X

ClientSampleId :

CROSSWICKS-DRUM-1

Tot Ion: 43 Resp: 15901

Ion Ratio Lower Upper

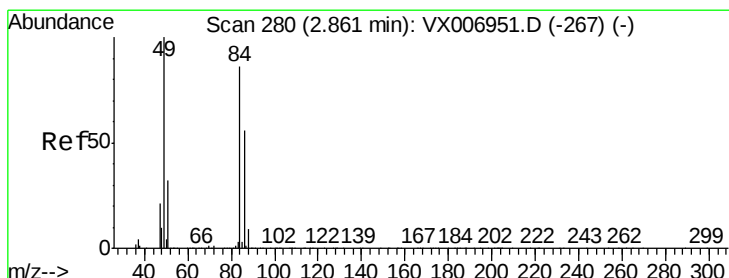
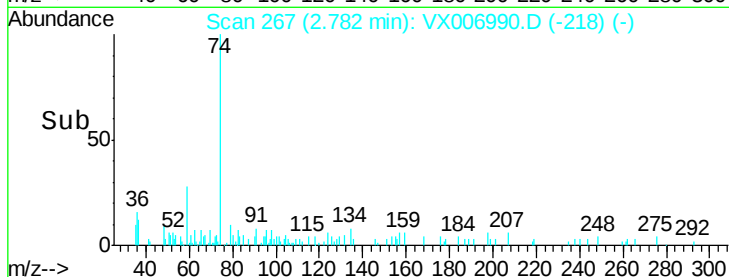
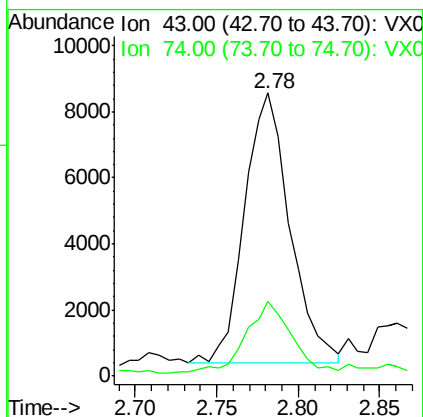
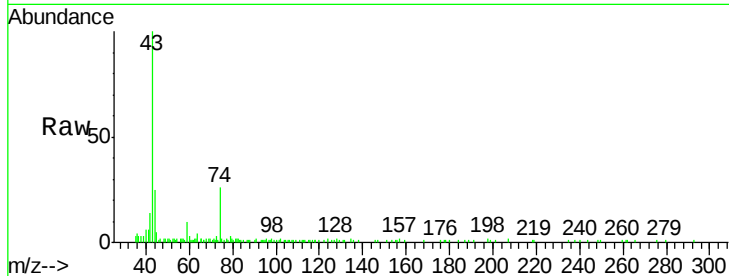
43 100

74 26.4 18.6 28.0

Manual Integrations
APPROVED

MMDadoda

1/11/2019 11:42:37 AM



#20

Methylene Chloride

Concen: 88.050 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Tgt Ion: 84 Resp: 518371

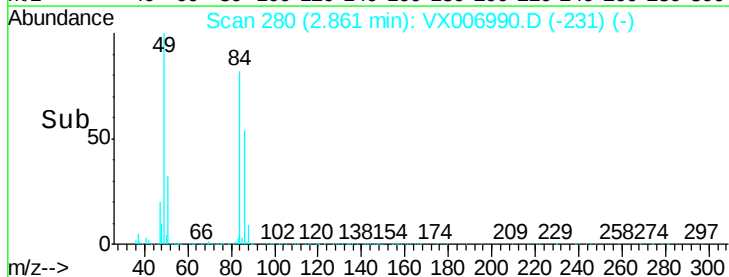
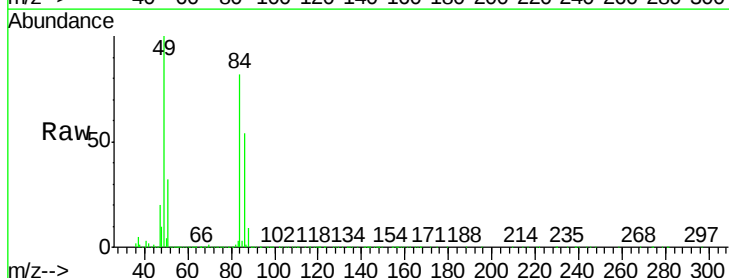
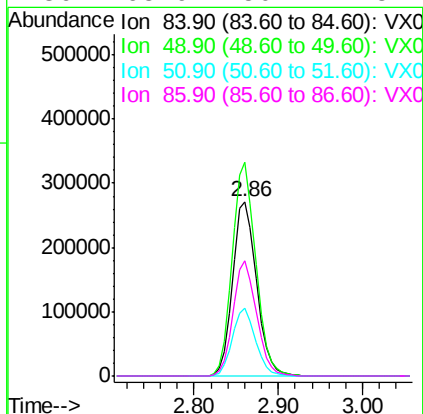
Ion Ratio Lower Upper

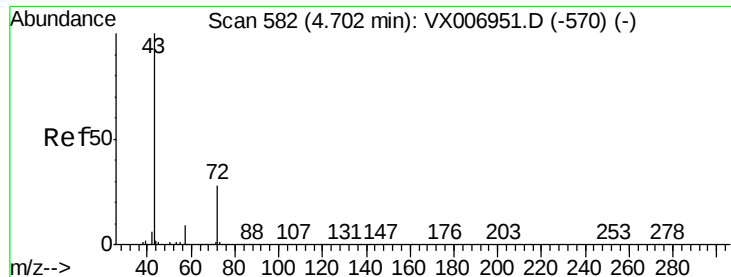
84 100

49 122.2 91.8 137.6

51 39.1 28.5 42.7

86 65.9 50.2 75.2





#25

2-Butanone

Concen: 6.706 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Instrument :

MSVOA_X

ClientSampleId :

CROSSWICKS-DRUM-1

Tot Ion: 43 Resp: 29847

Ion Ratio Lower Upper

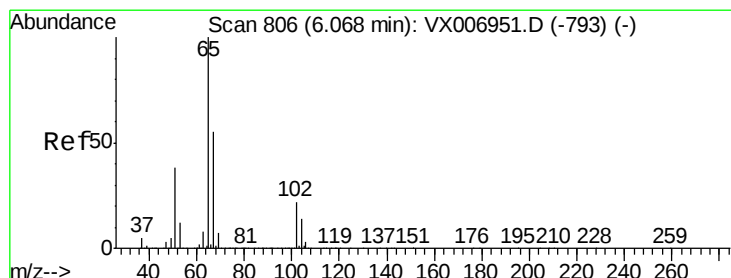
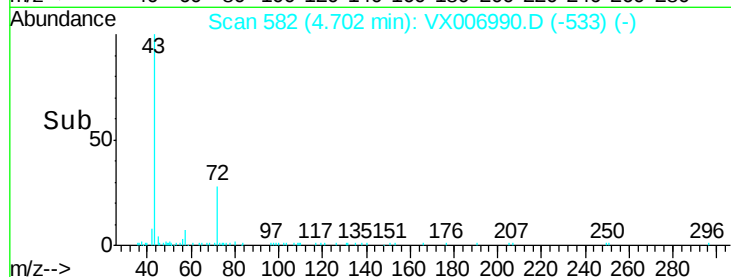
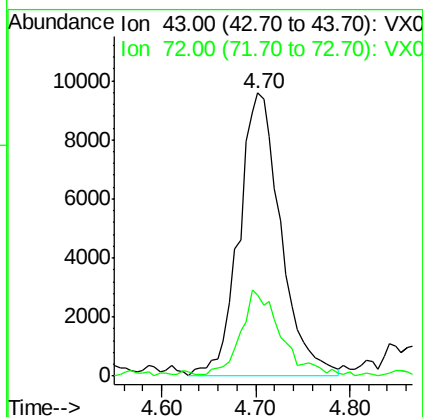
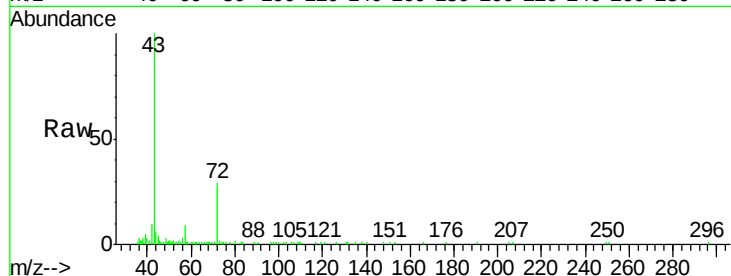
43 100

72 27.4 22.4 33.6

Manual Integrations
APPROVED

MMDadoda

1/11/2019 11:42:37 AM



#33

1,2-Dichloroethane-d4

Concen: 51.214 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006990.D

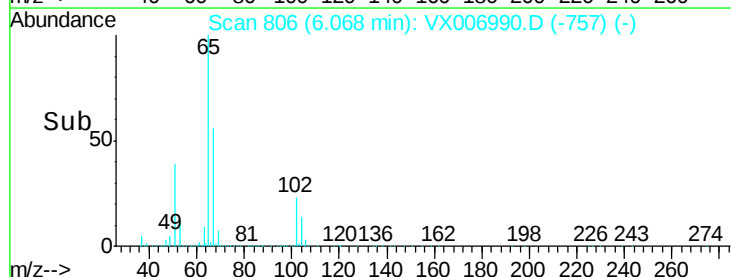
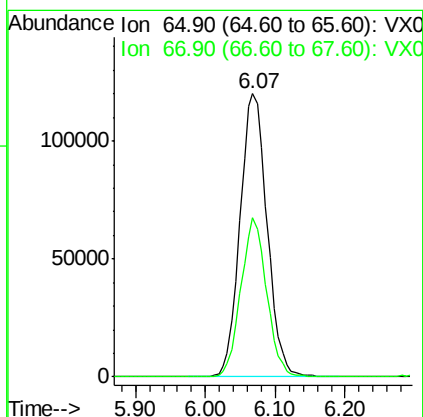
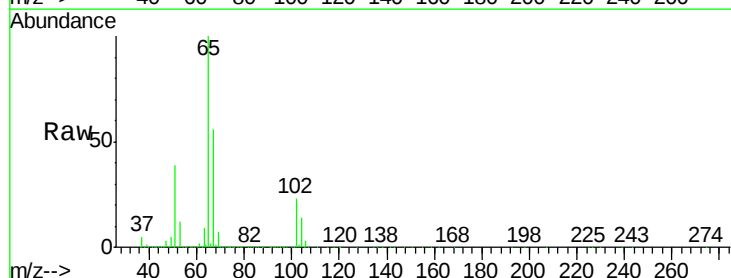
Acq: 10 Jan 2019 15:21

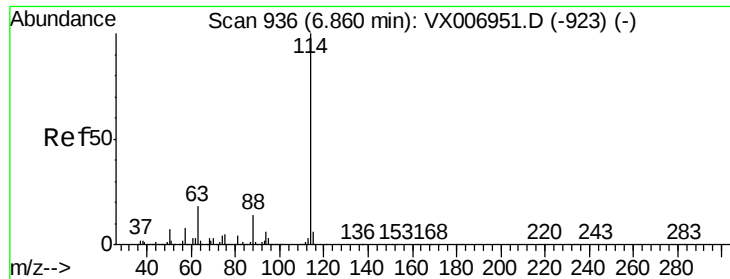
Tgt Ion: 65 Resp: 322232

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Instrument :

MSVOA_X

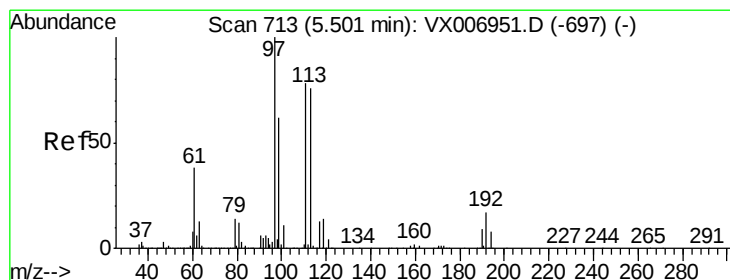
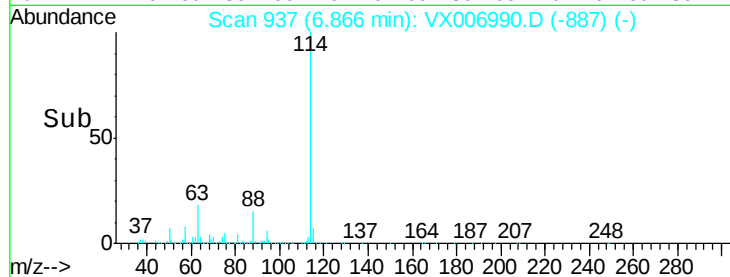
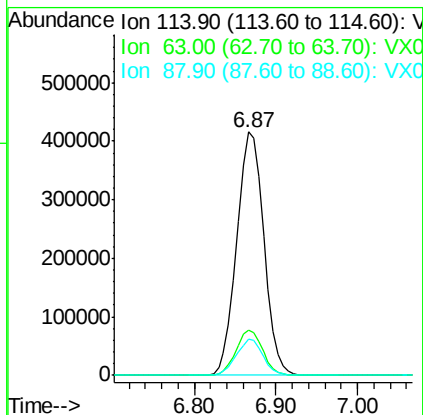
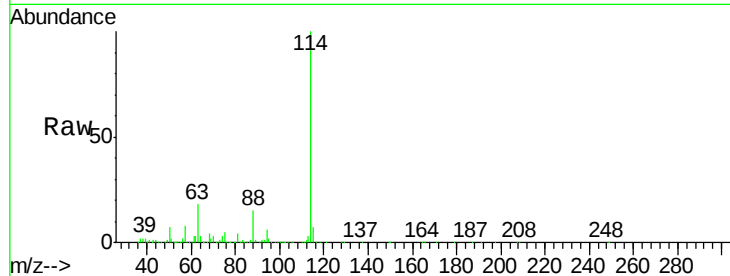
ClientSampleId :

CROSSWICKS-DRUM-1

Tot Ion:	114	Resp:	957974
Ion Ratio	Lower	Upper	
114	100		
63	18.3	0.0	34.8
88	15.1	0.0	28.8

Manual Integrations
APPROVED

MMDadoda
1/11/2019 11:42:37 AM



#35

Dibromofluoromethane

Concen: 46.362 ug/l

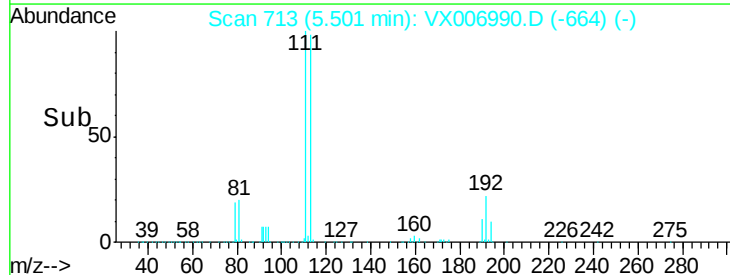
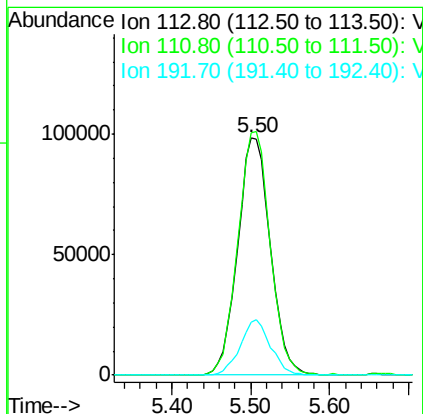
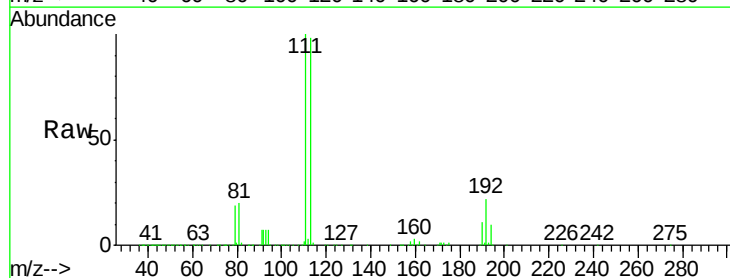
RT: 5.50 min Scan# 713

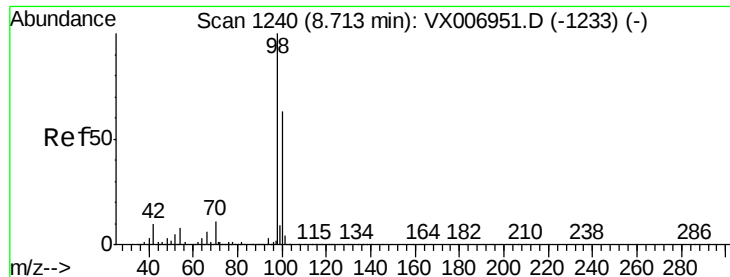
Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Tgt Ion:	113	Resp:	284420
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.6	122.4
192	21.6	16.7	25.1





#50

Toluene-d8

Concen: 51.459 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Instrument :

MSVOA_X

ClientSampleId :

CROSSWICKS-DRUM-1

Tot Ion: 98 Resp: 115535

Ion Ratio Lower Upper

98 100

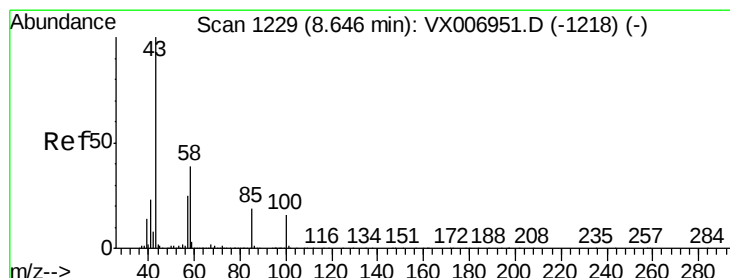
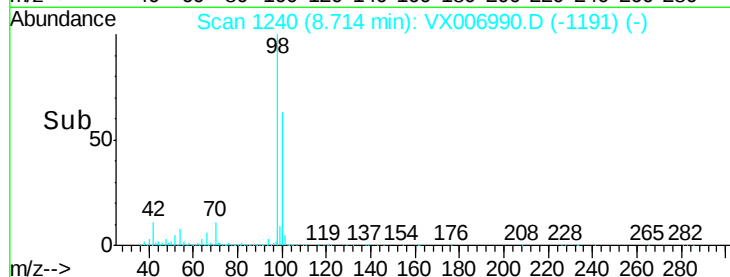
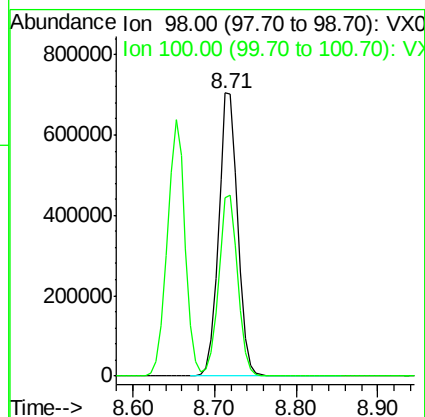
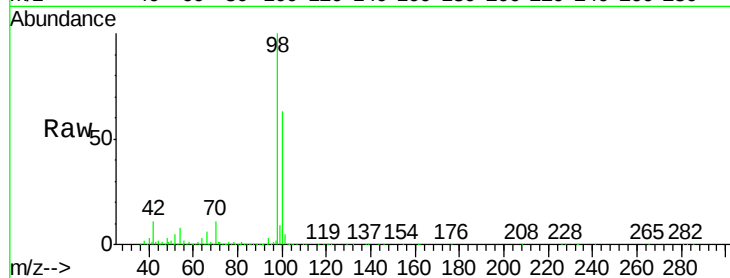
100 63.9 52.0 78.0

Manual Integrations

APPROVED

MMDadoda

1/11/2019 11:42:37 AM



#51

4-Methyl-2-Pentanone

Concen: 660.696 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX006990.D

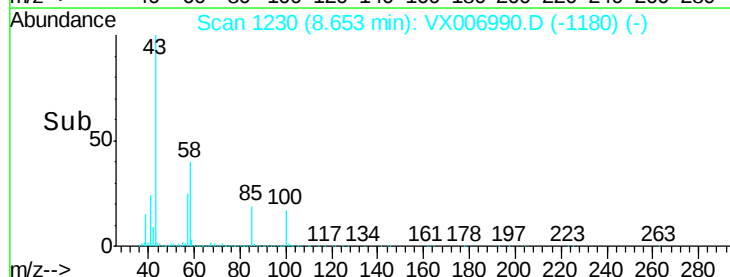
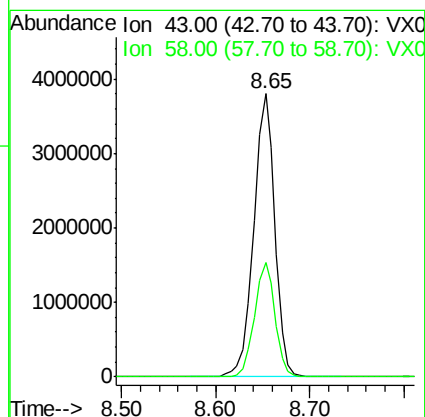
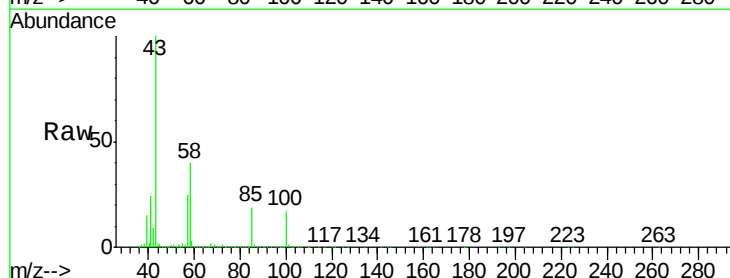
Acq: 10 Jan 2019 15:21

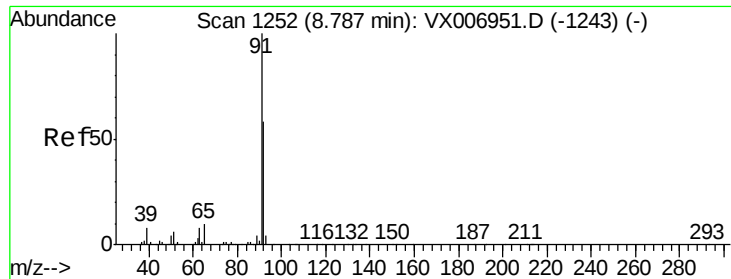
Tgt Ion: 43 Resp: 5980381

Ion Ratio Lower Upper

43 100

58 39.3 31.8 47.6





#52

Toluene

Concen: 5.029 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Instrument :

MSVOA_X

ClientSampleId :

CROSSWICKS-DRUM-1

Tot Ion: 92 Resp: 82139

Ion Ratio Lower Upper

92 100

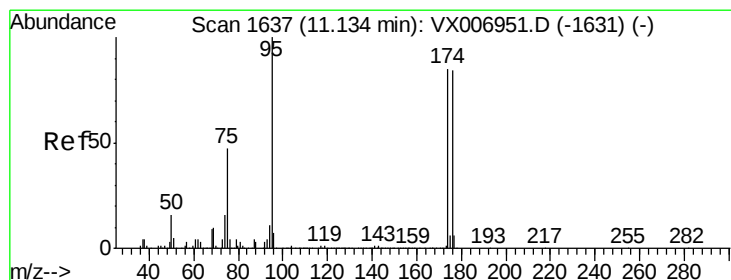
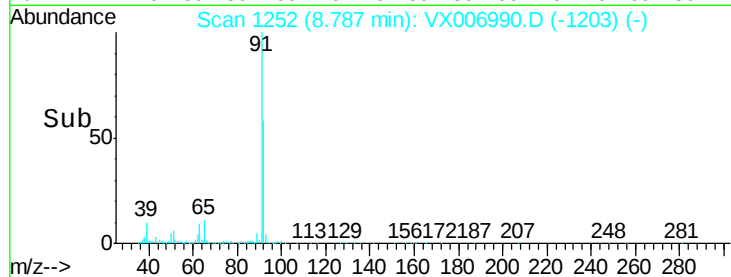
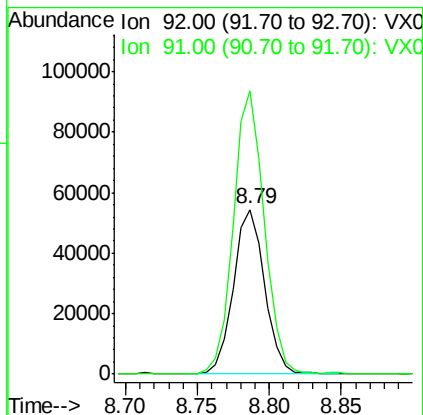
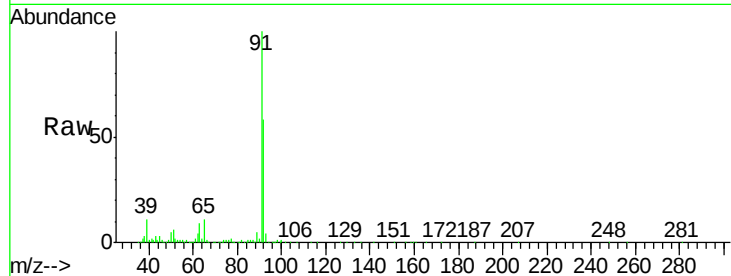
91 171.1 137.6 206.4

Manual Integrations

APPROVED

MMDadoda

1/11/2019 11:42:37 AM



#62

4-Bromofluorobenzene

Concen: 50.153 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

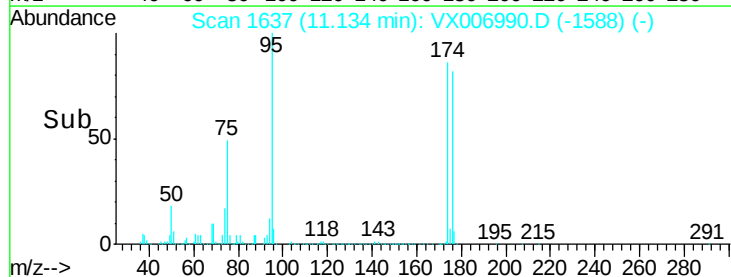
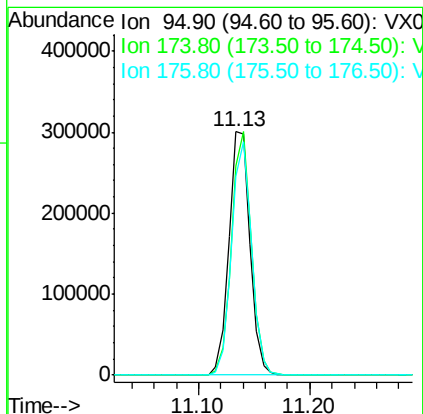
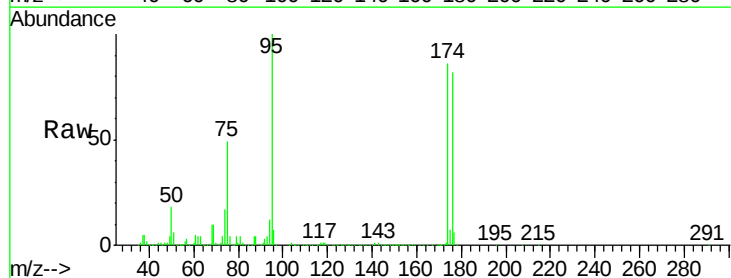
Tgt Ion: 95 Resp: 392623

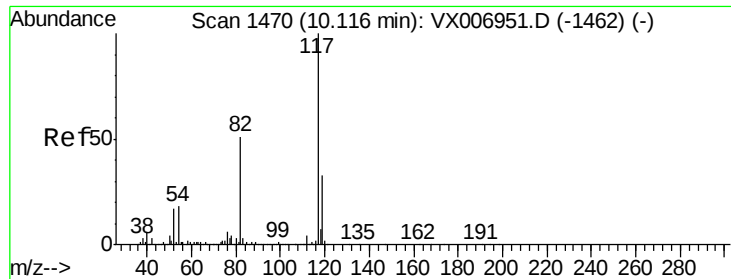
Ion Ratio Lower Upper

95 100

174 94.3 0.0 182.2

176 91.5 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Instrument :

MSVOA_X

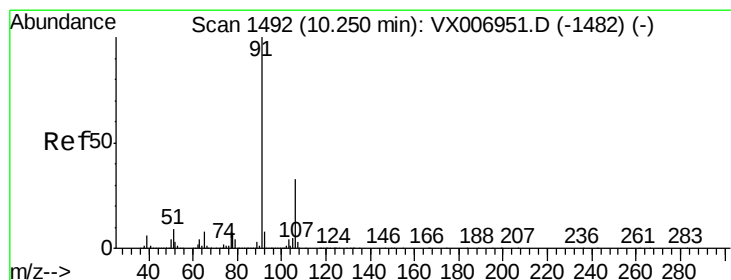
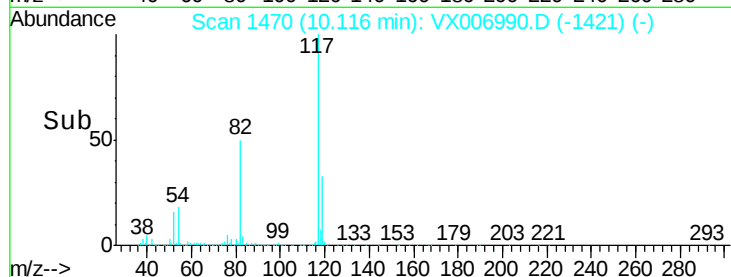
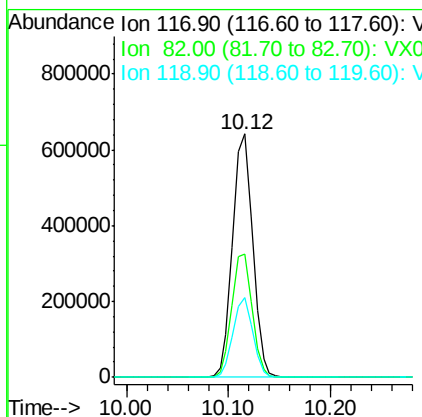
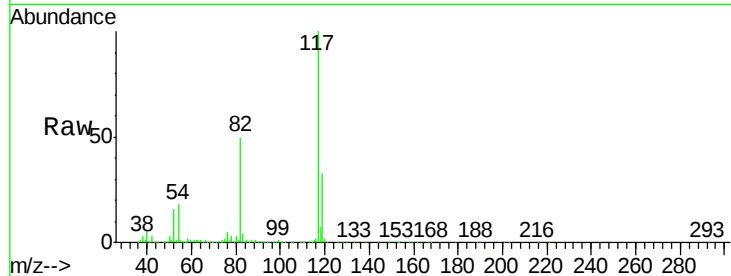
ClientSampleId :

CROSSWICKS-DRUM-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.0	61.6
119	32.7	25.4	38.0

Manual Integrations
APPROVED

MMDadoda
1/11/2019 11:42:37 AM



#67

Ethyl Benzene

Concen: 355.315 ug/l

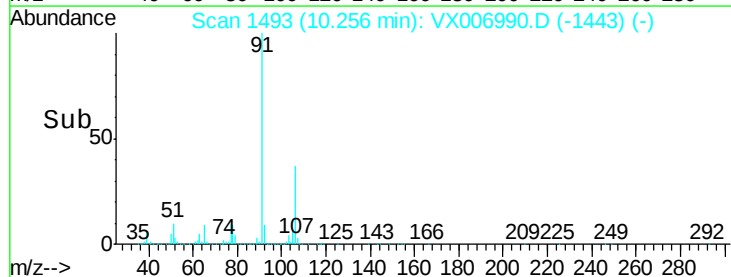
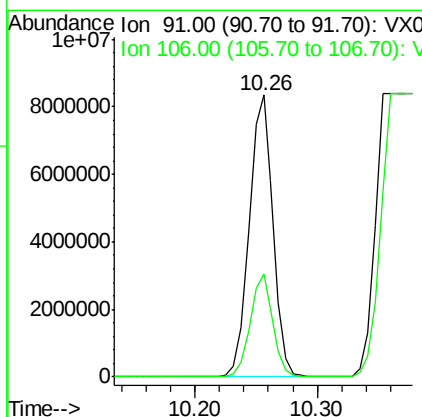
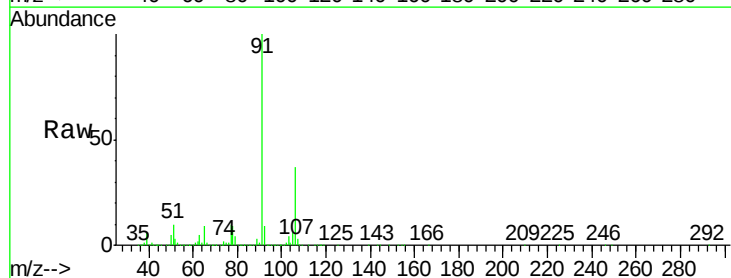
RT: 10.26 min Scan# 1493

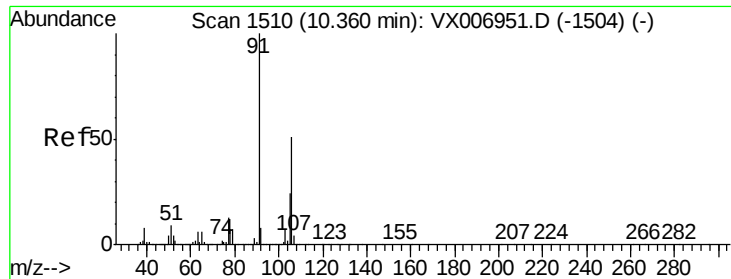
Delta R.T. 0.01 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.5	26.4	39.6





#68

m/p-Xylenes

Concen: 1335.971 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Instrument :

MSVOA_X

ClientSampleId :

CROSSWICKS-DRUM-1

Tot Ion:106 Resp:16623152

Ion Ratio Lower Upper

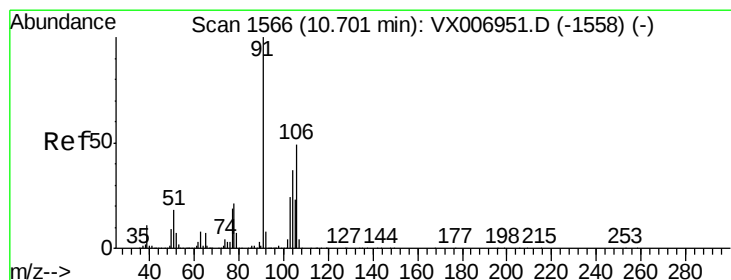
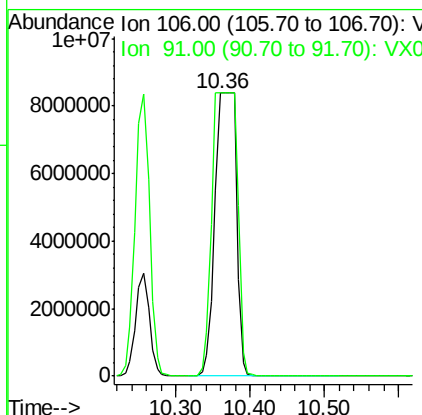
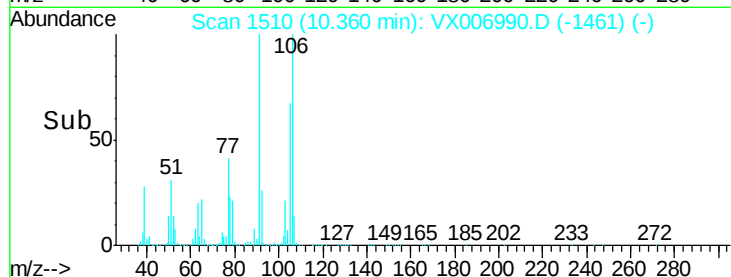
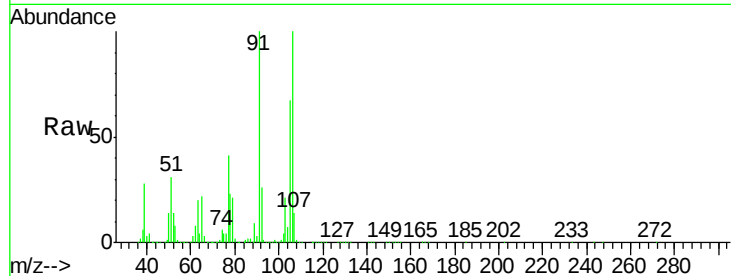
106 100

91 0.0 155.8 233.6#

Manual Integrations
APPROVED

MMDadoda

1/11/2019 11:42:37 AM



#69

o-Xylene

Concen: 1120.067 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX006990.D

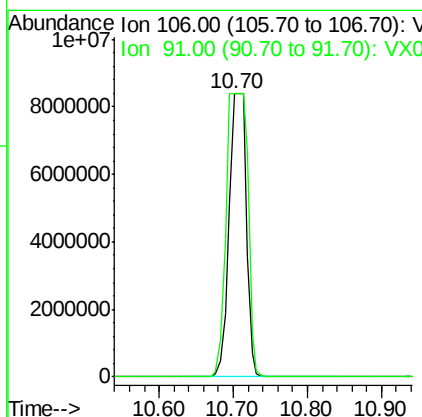
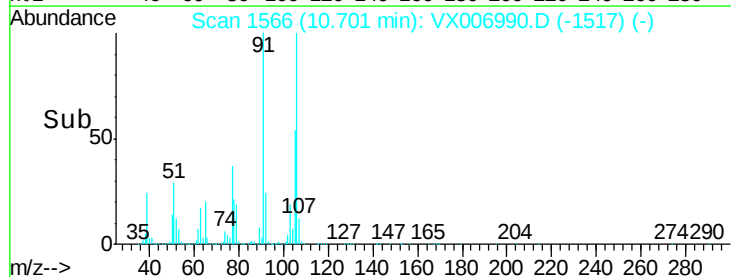
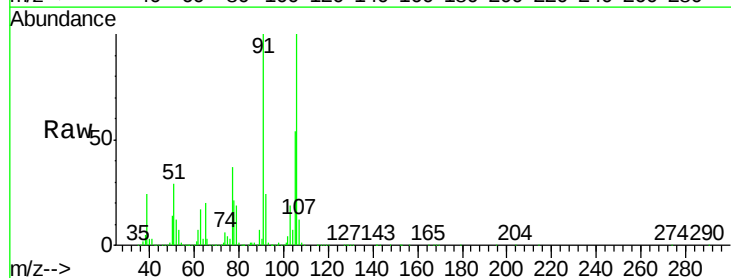
Acq: 10 Jan 2019 15:21

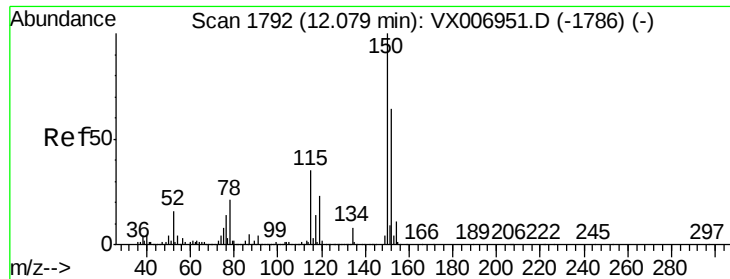
Tgt Ion:106 Resp:13591788

Ion Ratio Lower Upper

106 100

91 127.0 101.3 303.7





#72

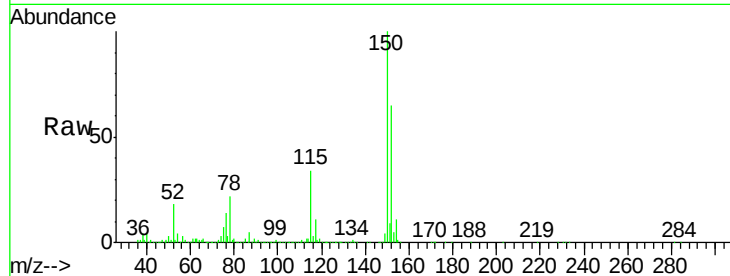
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006990.D
Acq: 10 Jan 2019 15:21

Instrument :
MSVOA_X
ClientSampleId :
CROSSWICKS-DRUM-1

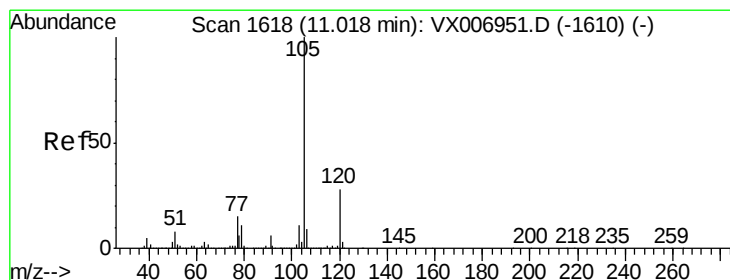
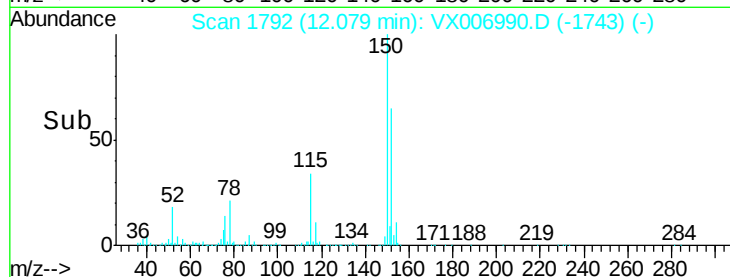
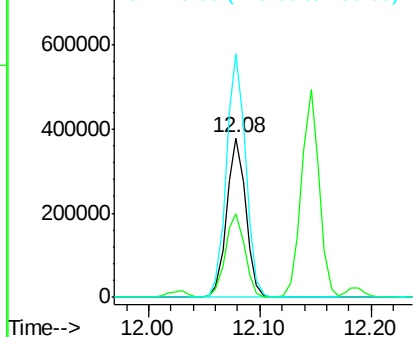
Tot Ion	Ratio	Resp	Lower	Upper
152	100	445964		
115	53.5	39.1	117.2	
150	154.5	0.0	344.8	

Manual Integrations
APPROVED

MMDadoda
1/11/2019 11:42:37 AM



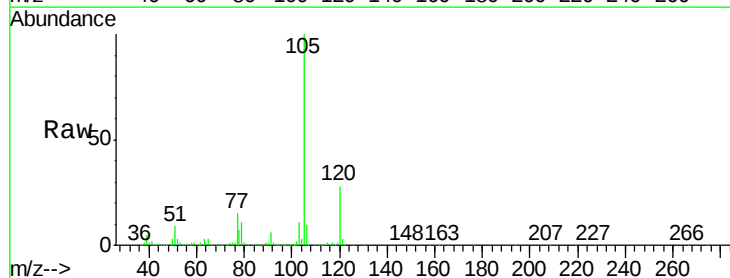
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



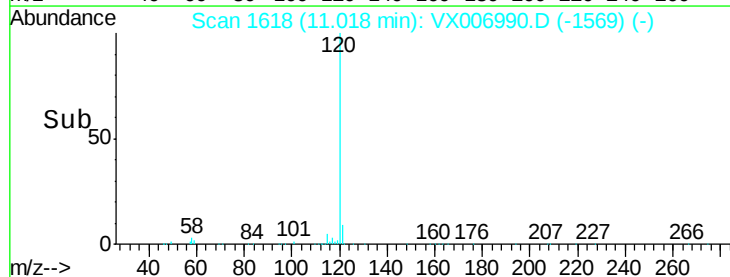
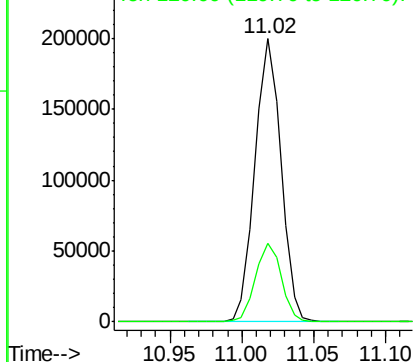
#73

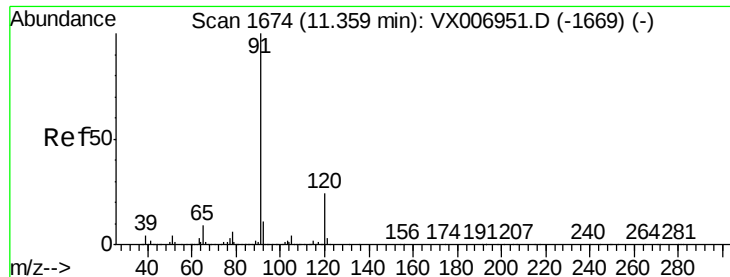
Isopropylbenzene
Concen: 7.902 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX006990.D
Acq: 10 Jan 2019 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	248496		
120	27.7	14.1	42.4	



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





#78

n-propylbenzene

Concen: 31.583 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006990.D

Acq: 10 Jan 2019 15:21

Instrument :

MSVOA_X

ClientSampleId :

CROSSWICKS-DRUM-1

Tot Ion: 91 Resp: 1090305

Ion Ratio Lower Upper

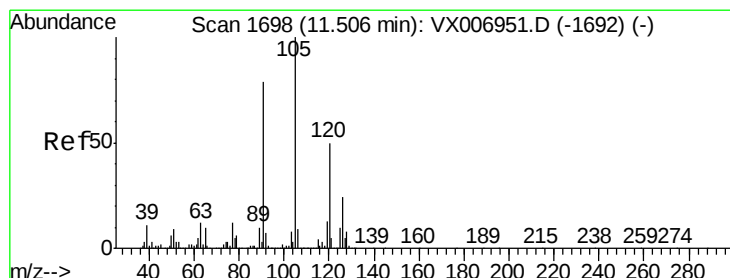
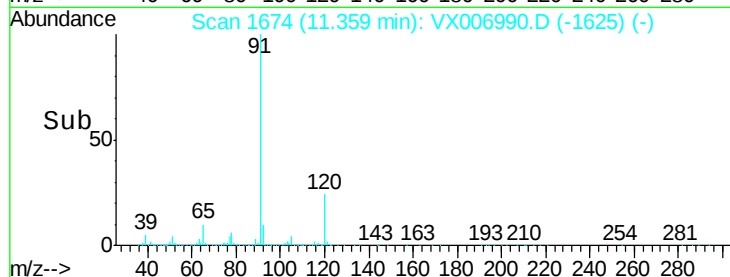
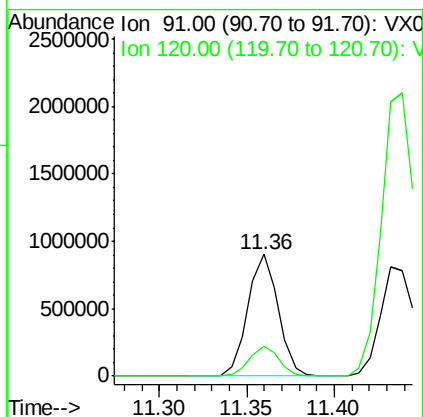
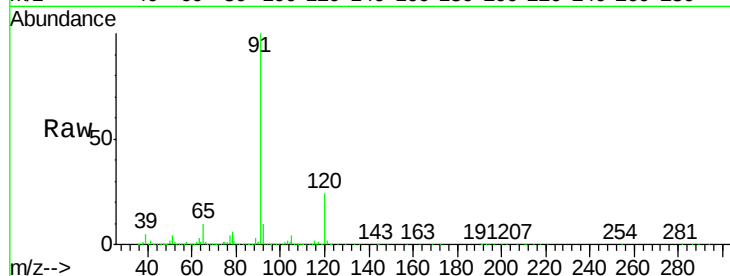
91 100

120 24.2 12.7 38.0

Manual Integrations
APPROVED

MMDadoda

1/11/2019 11:42:37 AM



#80

1,3,5-Trimethylbenzene

Concen: 203.790 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006990.D

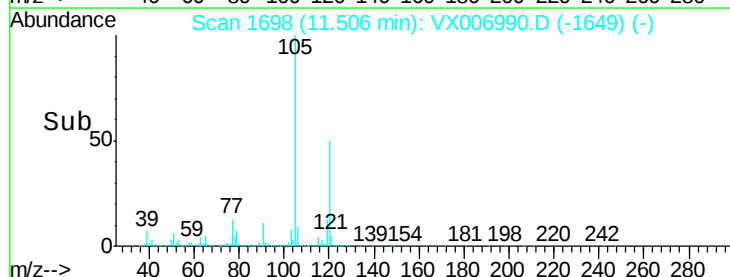
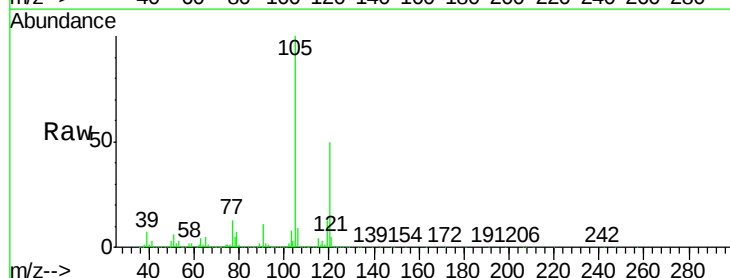
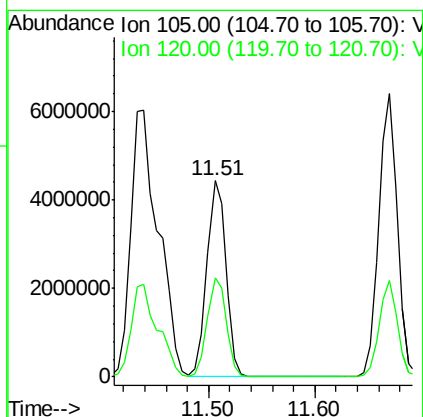
Acq: 10 Jan 2019 15:21

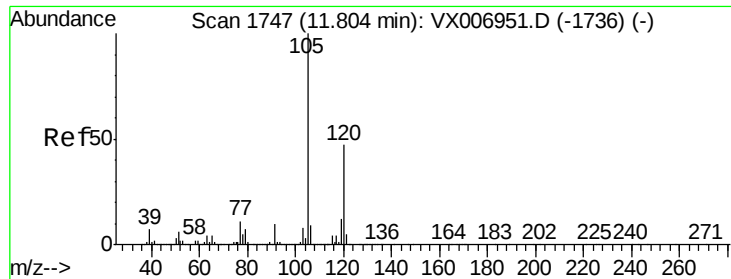
Tgt Ion:105 Resp: 5354815

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.3





#84

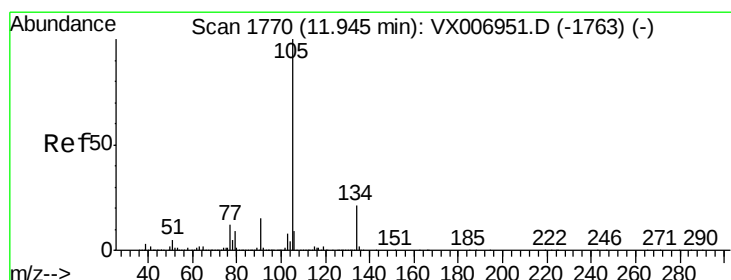
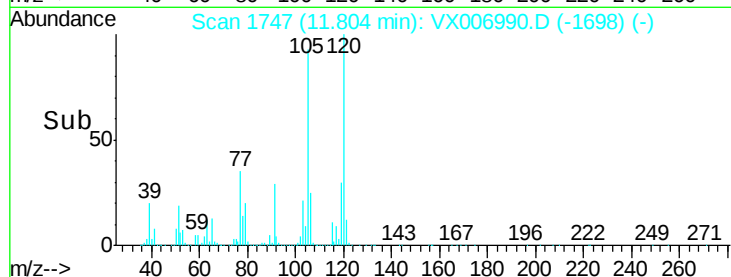
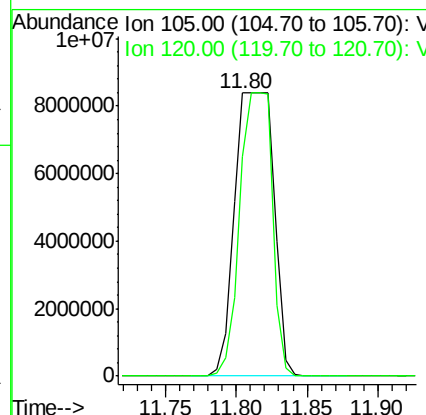
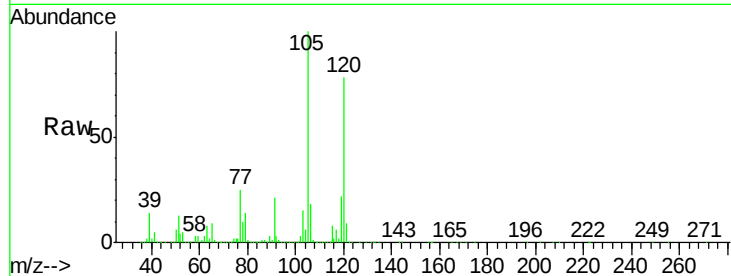
1,2,4-Trimethylbenzene
Concen: 619.828 ug/l m
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006990.D
Acq: 10 Jan 2019 15:21

Instrument :
MSVOA_X
ClientSampleId :
CROSSWICKS-DRUM-1

Tot Ion:105 Resp:16377653
Ion Ratio Lower Upper
105 100
120 15.8 23.2 69.6#

Manual Integrations
APPROVED

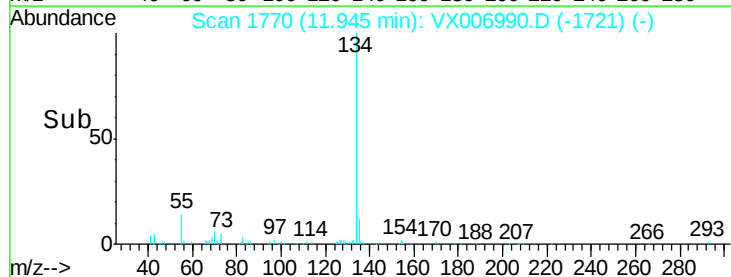
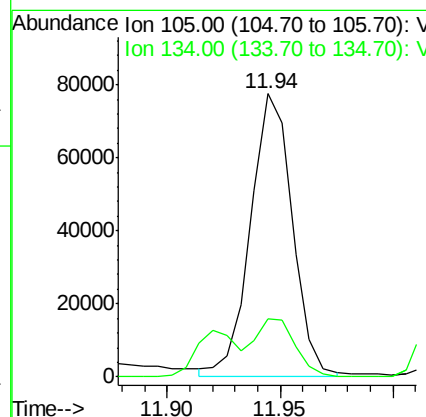
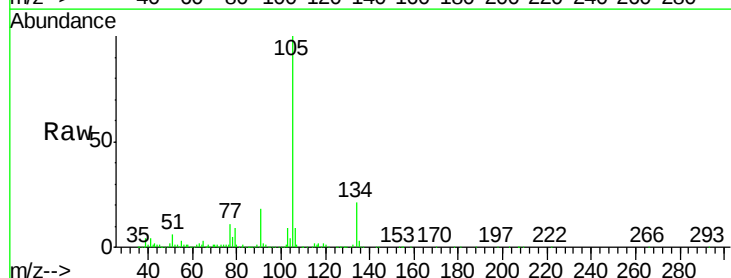
MMDadoda
1/11/2019 11:42:37 AM

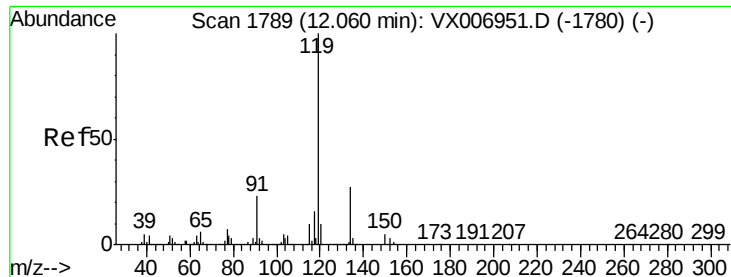


#85

sec-Butylbenzene
Concen: 3.194 ug/l m
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX006990.D
Acq: 10 Jan 2019 15:21

Tgt Ion:105 Resp: 100014
Ion Ratio Lower Upper
105 100
134 0.0 10.7 31.9#





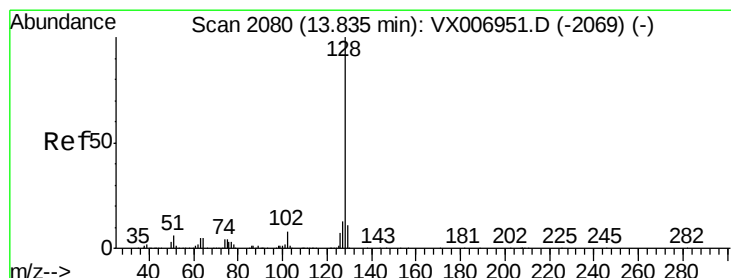
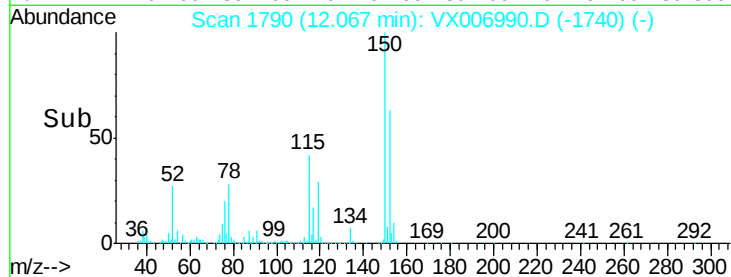
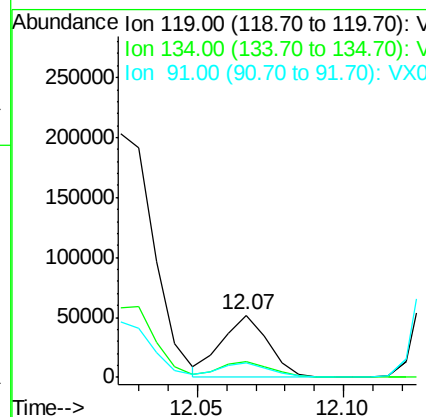
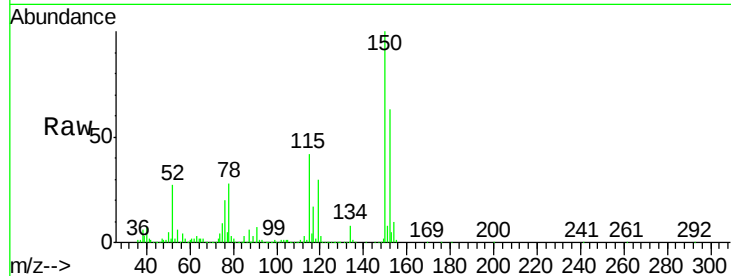
#86
 p-Isopropyltoluene
 Concen: 2.074 ug/l m
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX006990.D
 Acq: 10 Jan 2019 15:21

Instrument :
 MSVOA_X
 ClientSampleID :
 CROSSWICKS-DRUM-1

Tot Ion	Ratio	Lower	Upper
119	100		
134	128.5	14.0	41.9#
91	0.0	11.3	33.9#

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 11:42:37 AM



#95
 Naphthalene
 Concen: 6.848 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX006990.D
 Acq: 10 Jan 2019 15:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.2	8.6	13.0

