

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020620\
 Data File : VX014842.D
 Acq On : 06 Feb 2020 12:54
 Operator : JC/SP
 Sample : L1329-16DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40230DL

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 11:44:45 AM

Quant Time: Feb 06 15:54:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	428910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	671189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	624261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	310438	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	247476	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
35) Dibromofluoromethane	5.48	113	205886	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
50) Toluene-d8	8.71	98	800489	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	290726	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	191656	69.926	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	18171	1.301	ug/l #	84
40) Benzene	6.14	78	89406	4.640	ug/l	97
52) Toluene	8.78	92	433476	36.594	ug/l	99
67) Ethyl Benzene	10.25	91	301567	13.227	ug/l	99
68) m/p-Xylenes	10.35	106	561732	65.034	ug/l	99
69) o-Xylene	10.70	106	373836	44.832	ug/l	100
73) Isopropylbenzene	11.01	105	44814	2.053	ug/l	98
78) n-propylbenzene	11.35	91	121800	4.916	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	244821	13.514	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1059375	58.299	ug/l	99
85) sec-Butylbenzene	11.94	105	28620m	1.372	ug/l	
86) p-Isopropyltoluene	12.06	119	19087	0.990	ug/l	93
95) Naphthalene	13.83	128	370731	17.650	ug/l	99

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

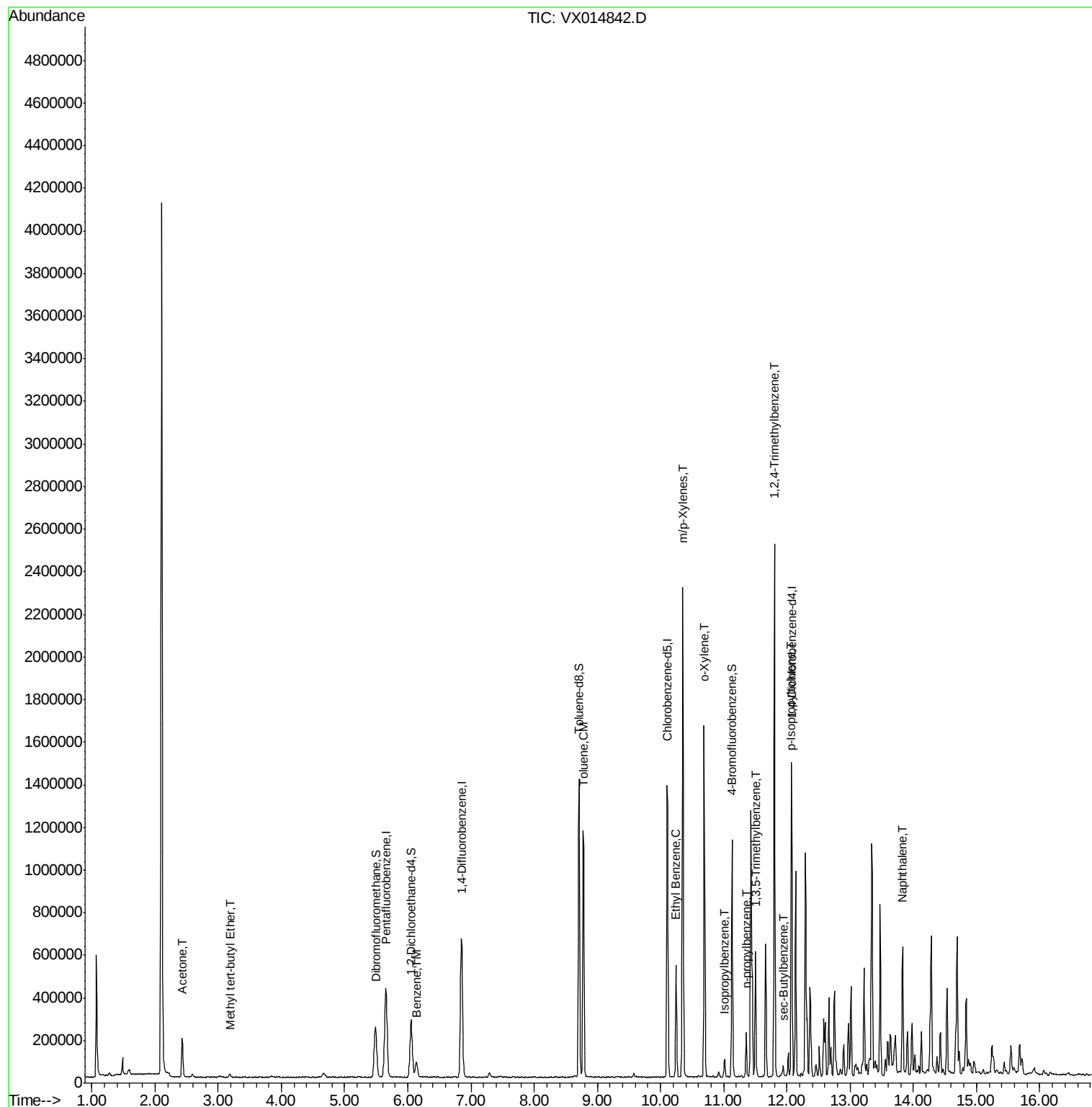
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020620\
Data File : VX014842.D
Acq On : 06 Feb 2020 12:54
Operator : JC/SP
Sample : L1329-16DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

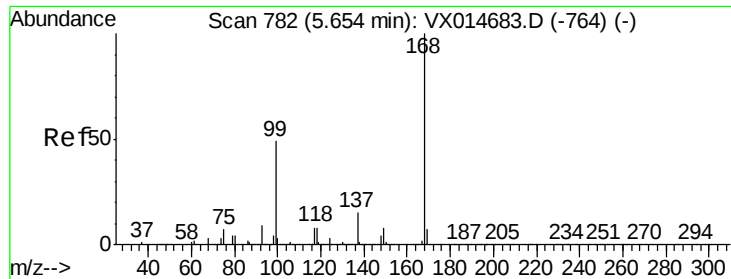
Instrument :
MSVOA_X
ClientSampleId :
40230DL

Manual Integrations
APPROVED

MMDadoda
2/7/2020 11:44:45 AM

Quant Time: Feb 06 15:54:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

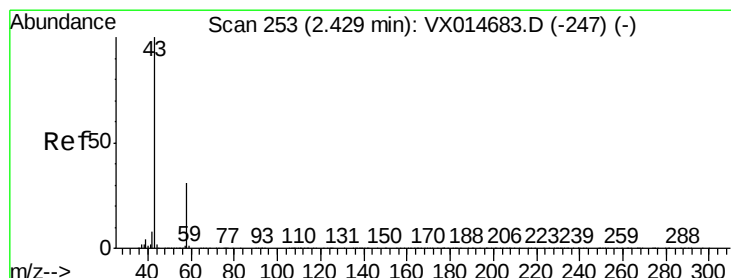
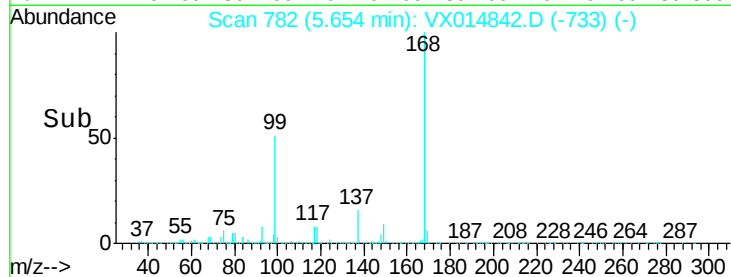
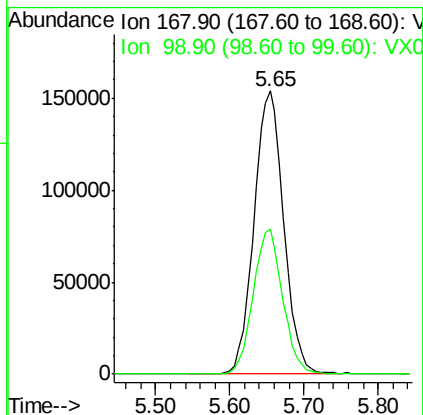
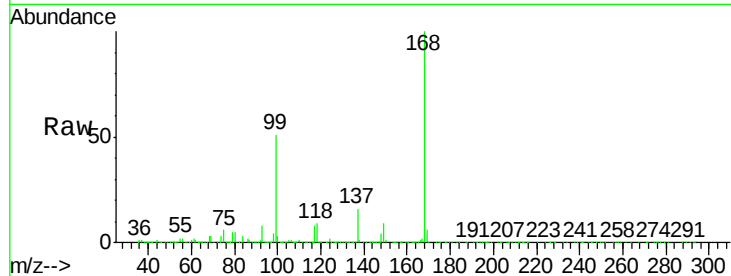
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX014842.D
 Acq: 06 Feb 2020 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 40230DL

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.3	39.8	59.6

Manual Integrations
 APPROVED

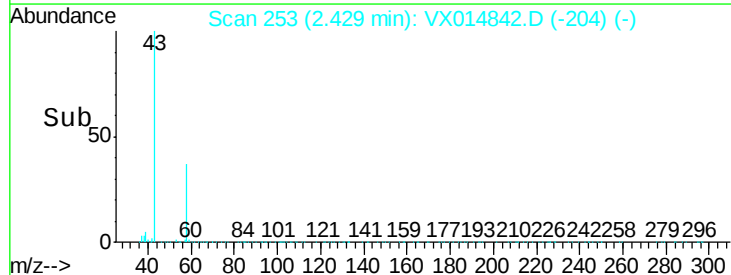
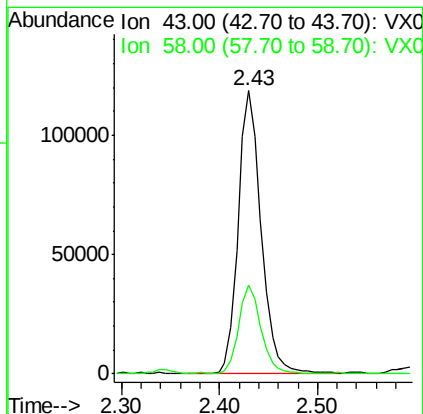
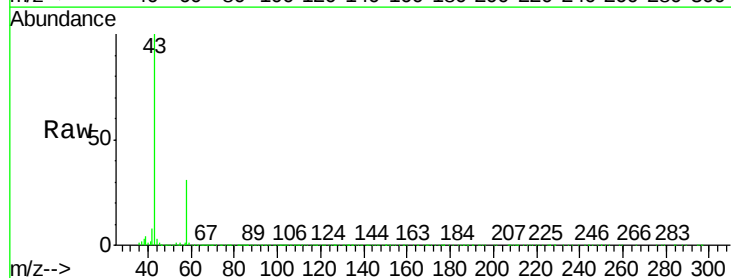
MMDadoda
 2/7/2020 11:44:45 AM

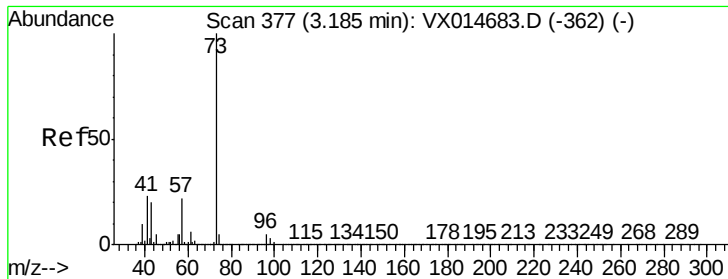


#16

Acetone
 Concen: 69.926 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX014842.D
 Acq: 06 Feb 2020 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.5	36.7





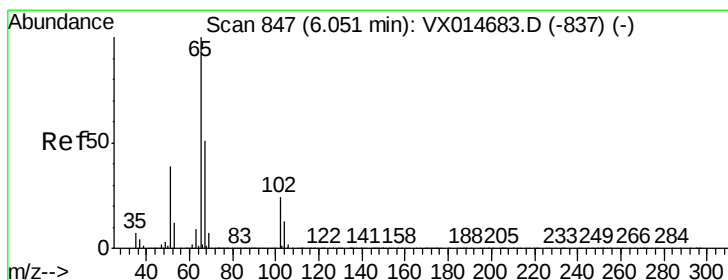
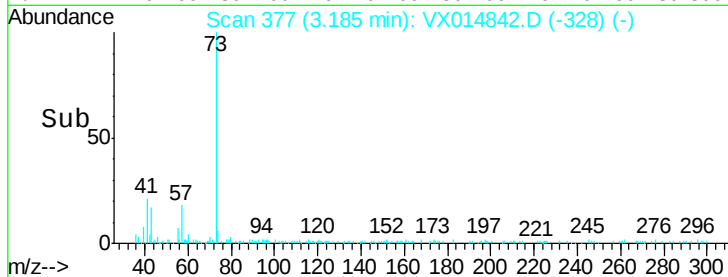
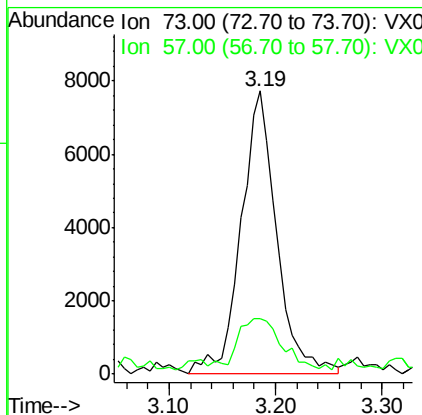
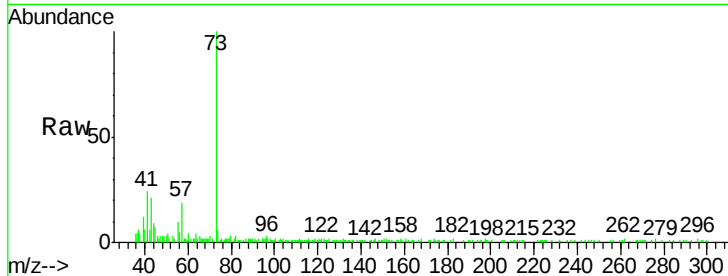
#19
Methvl tert-butvl Ether
Concen: 1.301 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014842.D
Acq: 06 Feb 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
40230DL

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.0	18.0	27.0#

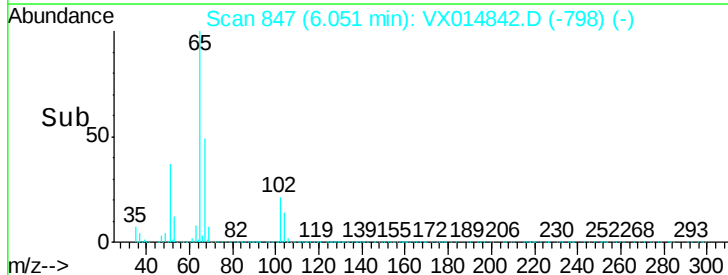
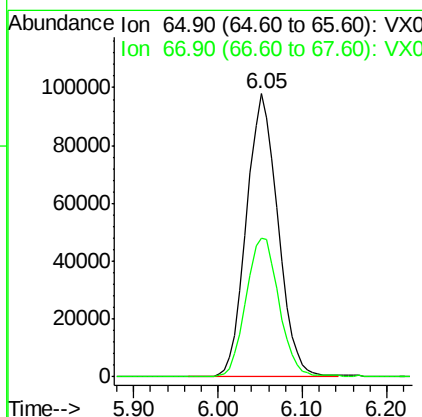
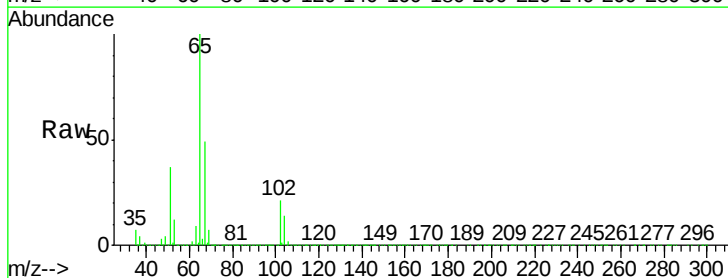
Manual Integrations
APPROVED

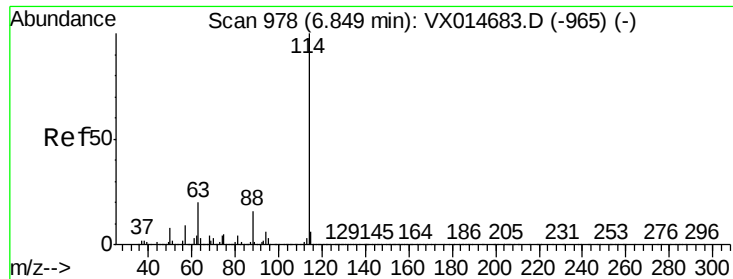
MMDadoda
2/7/2020 11:44:45 AM



#33
1,2-Dichloroethane-d4
Concen: 49.410 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014842.D
Acq: 06 Feb 2020 12:54

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

Instrument :

MSVOA_X

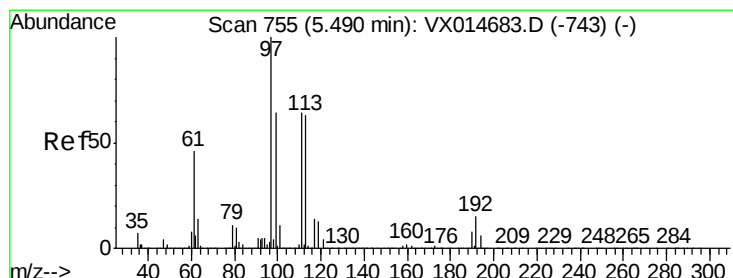
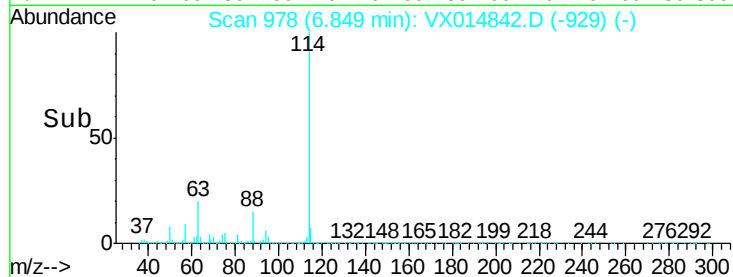
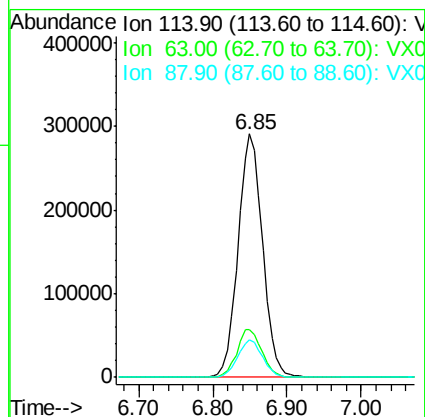
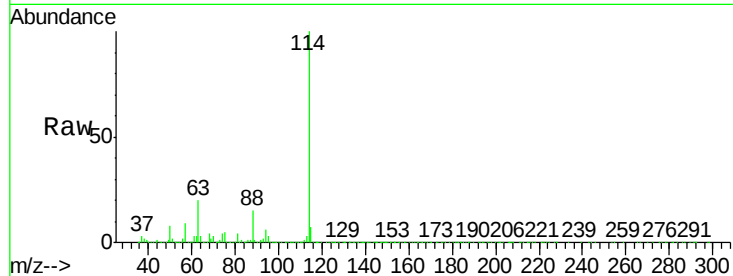
ClientSampleId :

40230DL

Tot Ion:	114	Resp:	671189
Ion Ratio	Lower	Upper	
114	100		
63	19.6	0.0	40.6
88	15.2	0.0	31.2

Manual Integrations
APPROVED

MMDadoda
2/7/2020 11:44:45 AM



#35

Dibromofluoromethane

Concen: 48.614 ug/l

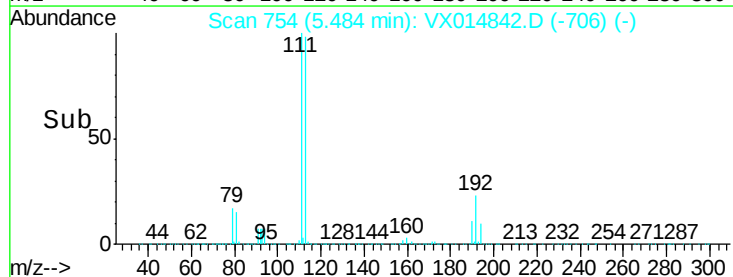
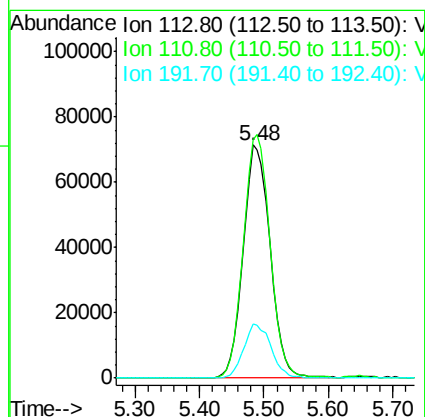
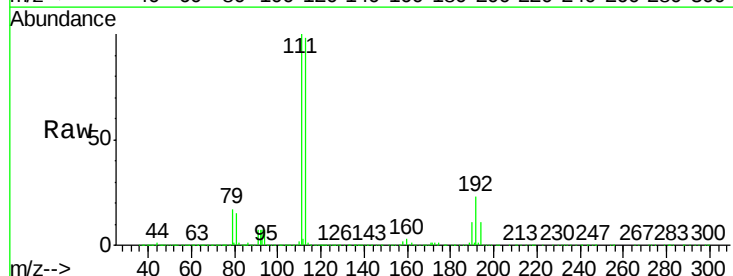
RT: 5.48 min Scan# 754

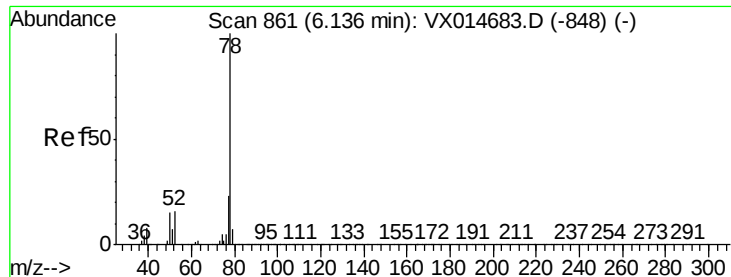
Delta R.T. -0.01 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

Tgt Ion:	113	Resp:	205886
Ion Ratio	Lower	Upper	
113	100		
111	102.2	80.7	121.1
192	23.5	18.5	27.7





#40

Benzene

Concen: 4.640 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.00 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

40230DL

Tot Ion: 78 Resp: 89406

Ion Ratio Lower Upper

78 100

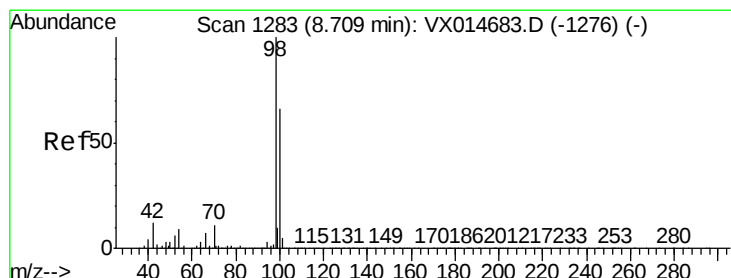
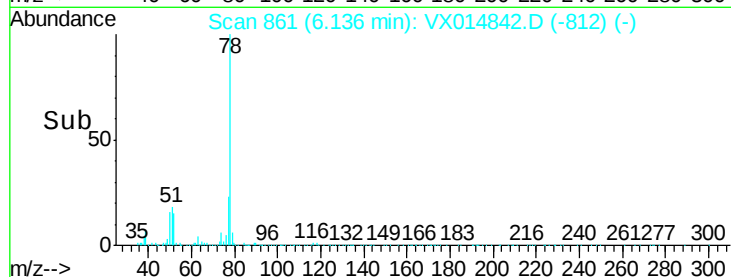
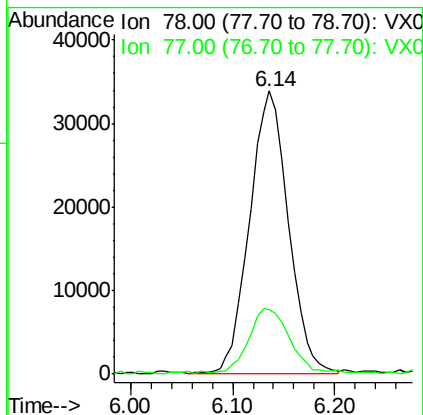
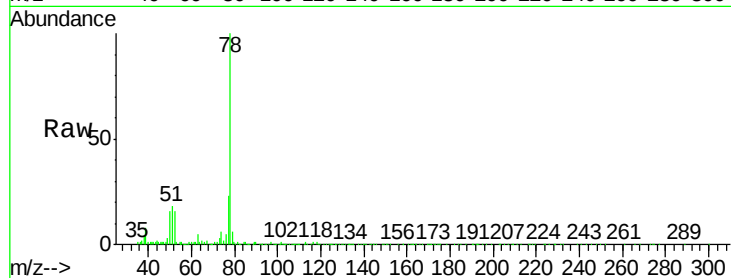
77 21.8 18.7 28.1

Manual Integrations

APPROVED

MMDadoda

2/7/2020 11:44:45 AM



#50

Toluene-d8

Concen: 49.165 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014842.D

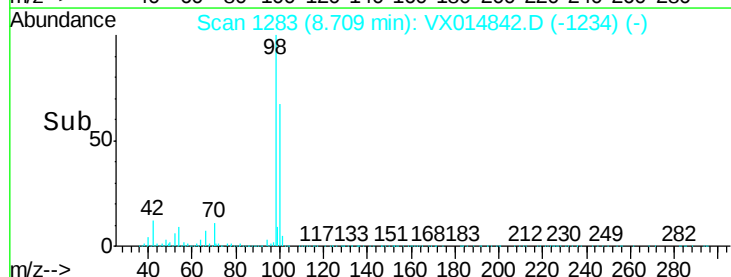
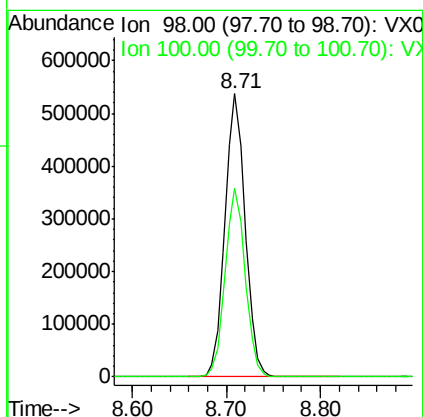
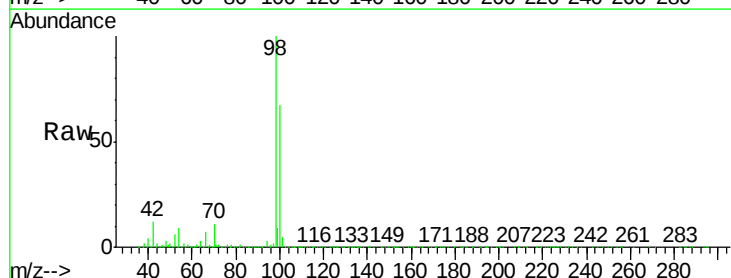
Acq: 06 Feb 2020 12:54

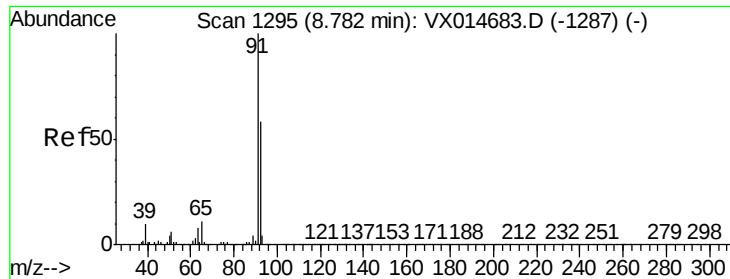
Tgt Ion: 98 Resp: 800489

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.6





#52

Toluene

Concen: 36.594 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

Instrument :

MSVOA_X

ClientSampled :

40230DL

Tot Ion: 92 Resp: 433476

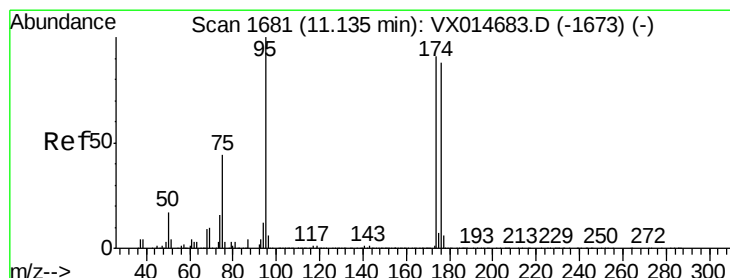
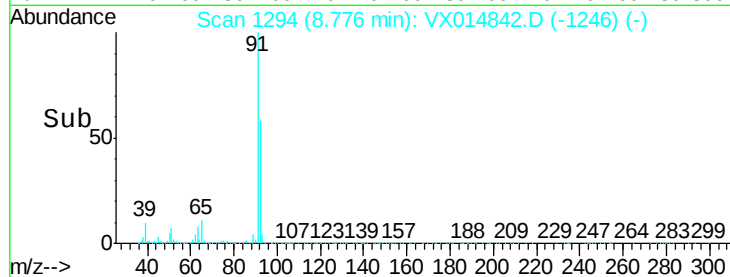
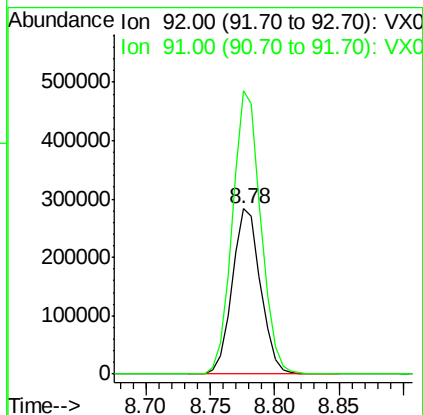
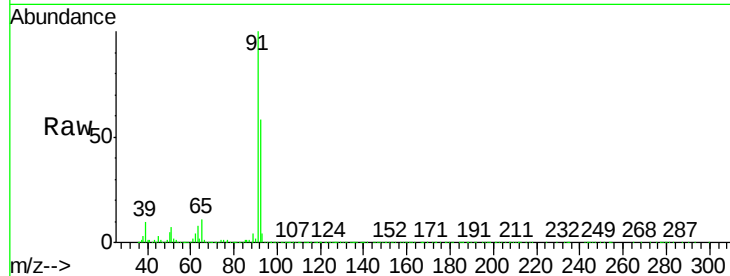
Ion Ratio Lower Upper

92 100

91 171.9 135.9 203.9

Manual Integrations
APPROVED

MMDadoda
2/7/2020 11:44:45 AM



#62

4-Bromofluorobenzene

Concen: 50.126 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

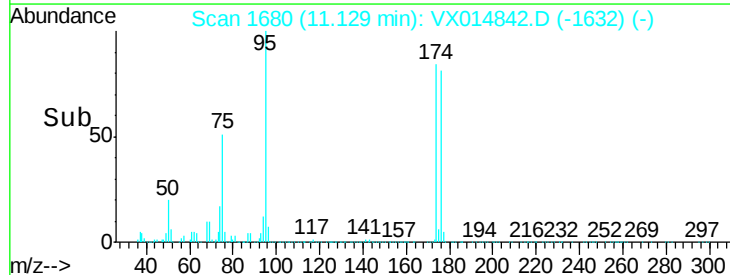
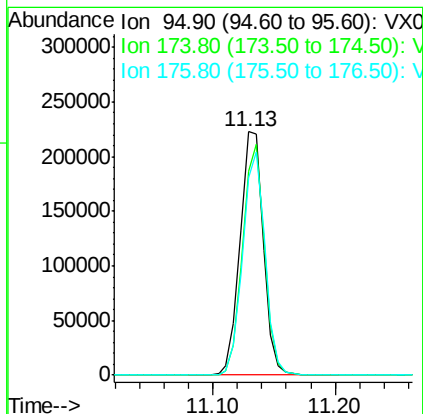
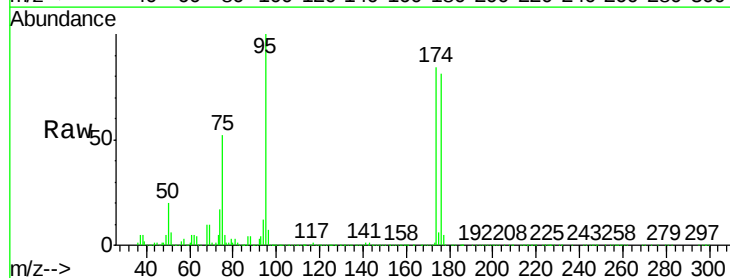
Tgt Ion: 95 Resp: 290726

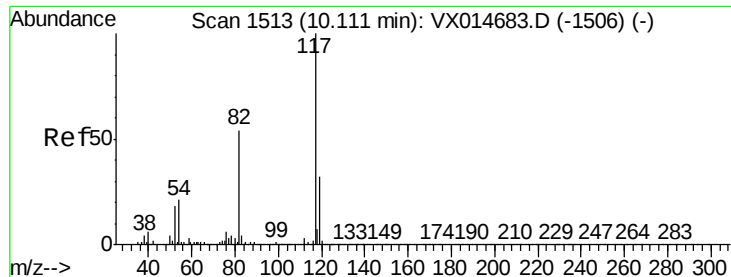
Ion Ratio Lower Upper

95 100

174 90.1 0.0 176.0

176 88.6 0.0 172.2





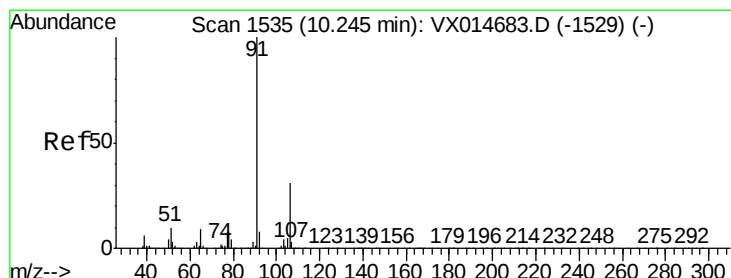
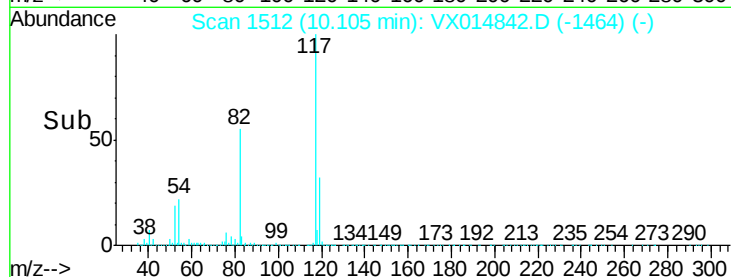
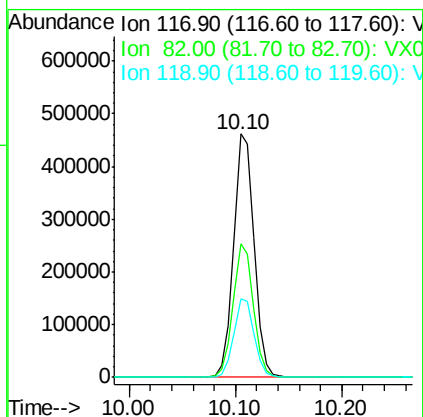
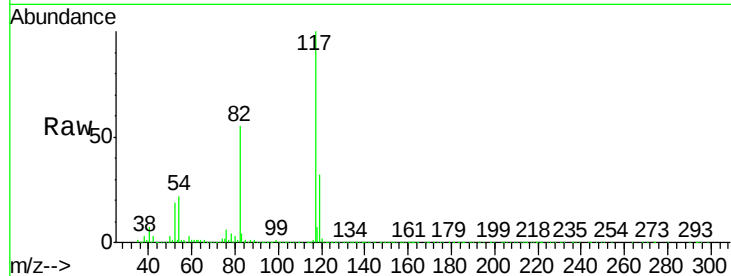
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014842.D
Acq: 06 Feb 2020 12:54

Instrument :
MSVOA_X
ClientSampleId :
40230DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.2	64.8
119	32.0	25.8	38.6

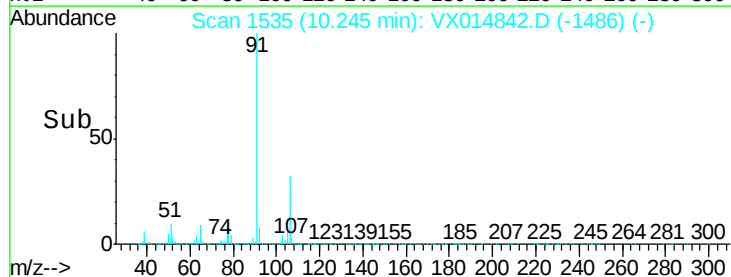
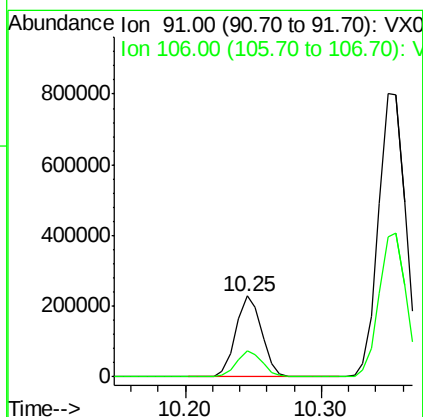
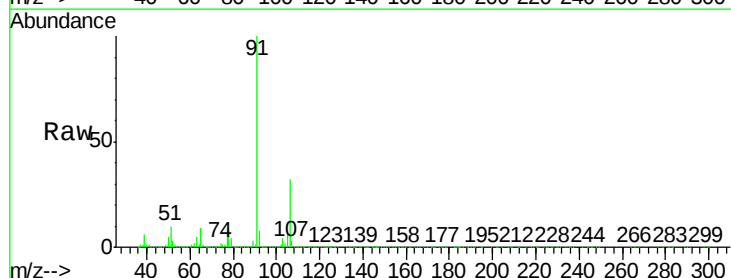
Manual Integrations
APPROVED

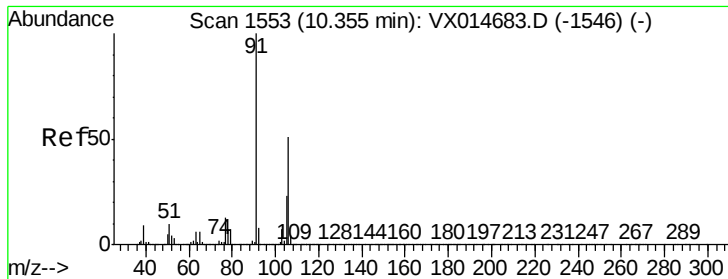
MMDadoda
2/7/2020 11:44:45 AM



#67
Ethyl Benzene
Concen: 13.227 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014842.D
Acq: 06 Feb 2020 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.9	37.3





#68

m/p-Xylenes

Concen: 65.034 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

Instrument :

MSVOA_X

ClientSampled :

40230DL

Tot Ion:106 Resp: 561732

Ion Ratio Lower Upper

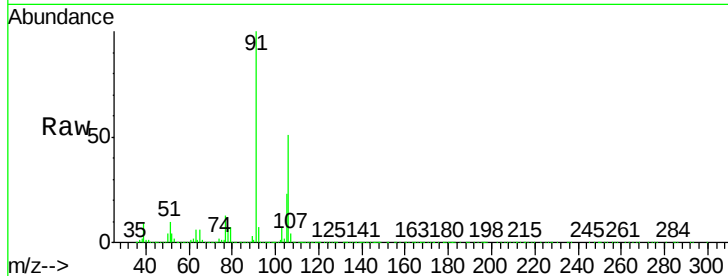
106 100

91 198.3 159.4 239.2

Manual Integrations
APPROVED

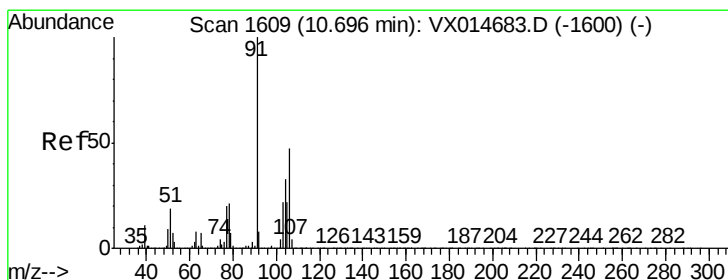
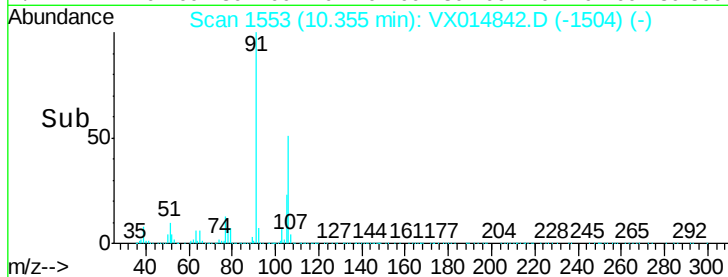
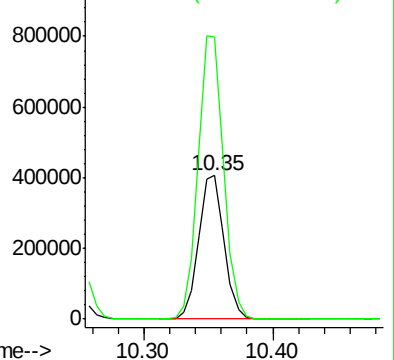
MMDadoda

2/7/2020 11:44:45 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 44.832 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014842.D

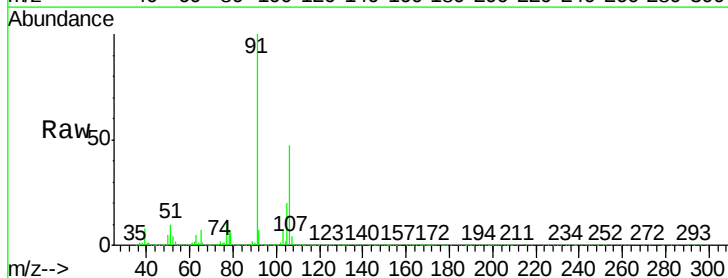
Acq: 06 Feb 2020 12:54

Tgt Ion:106 Resp: 373836

Ion Ratio Lower Upper

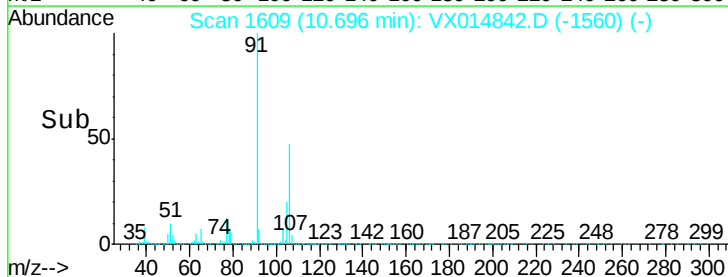
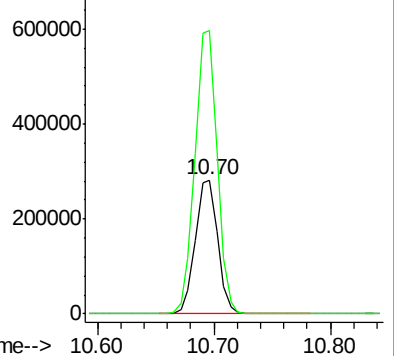
106 100

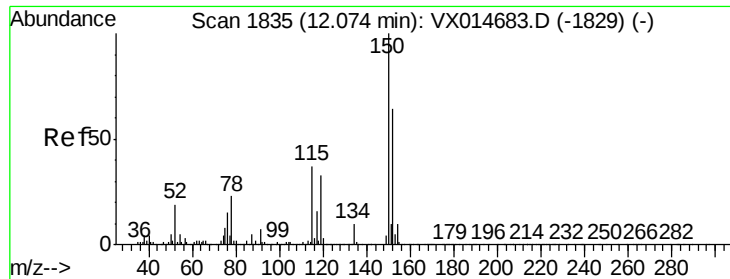
91 211.7 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

Instrument :

MSVOA_X

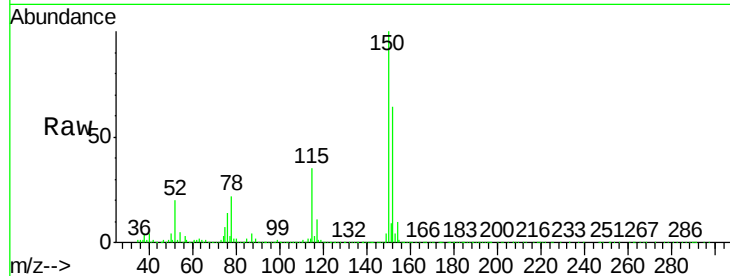
ClientSampled :

40230DL

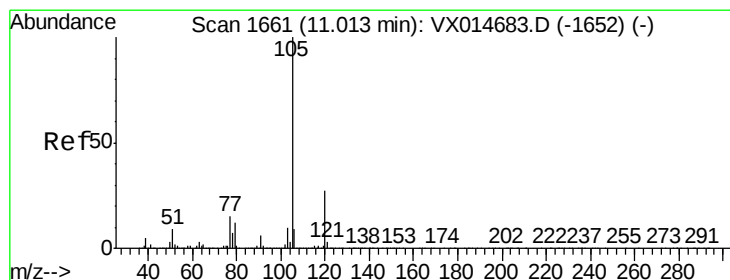
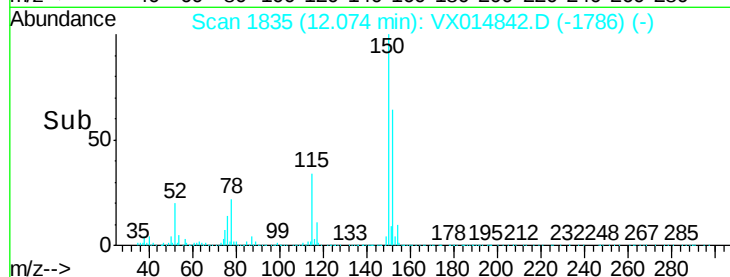
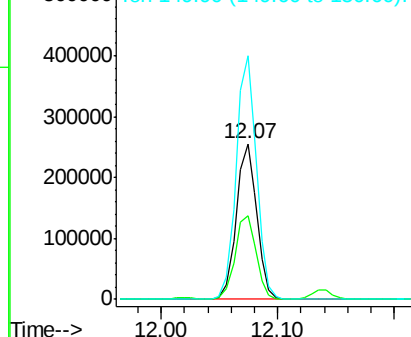
Tot Ion:	152	Resp:	310438
Ion Ratio	Lower	Upper	
152	100		
115	55.6	39.4	118.1
150	156.3	0.0	351.2

Manual Integrations
APPROVED

MMDadoda
2/7/2020 11:44:45 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: 2.053 ug/l

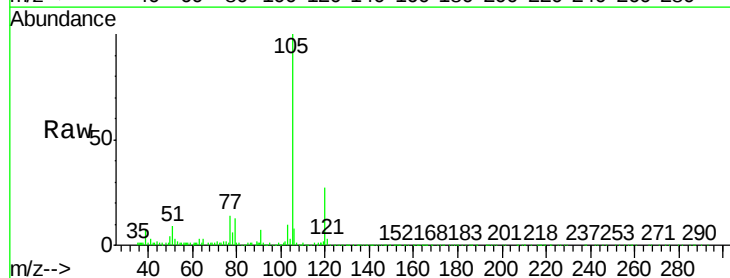
RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

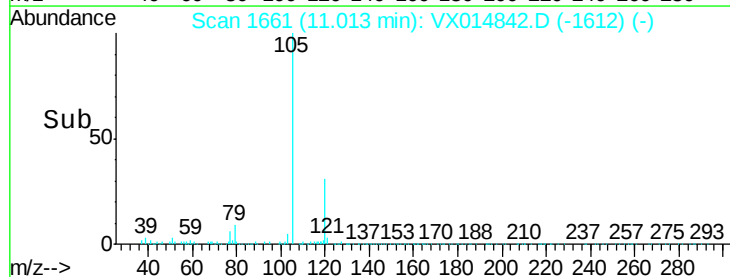
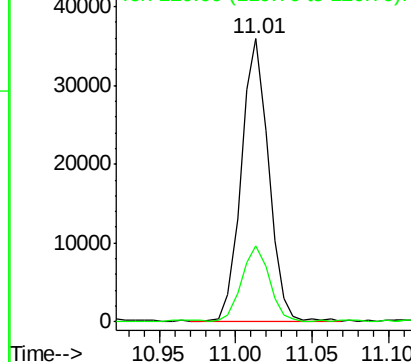
Lab File: VX014842.D

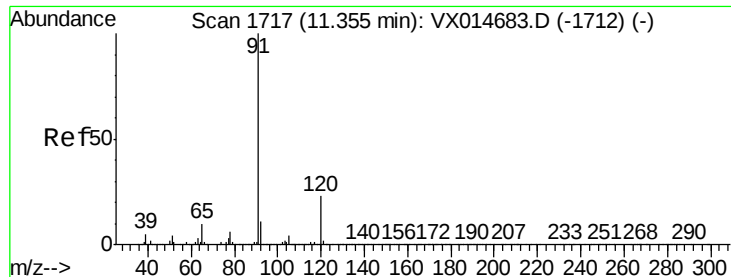
Acq: 06 Feb 2020 12:54

Tgt Ion:	105	Resp:	44814
Ion Ratio	Lower	Upper	
105	100		
120	26.2	13.5	40.5



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





#78

n-propylbenzene

Concen: 4.916 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

40230DL

Tot Ion: 91 Resp: 121800

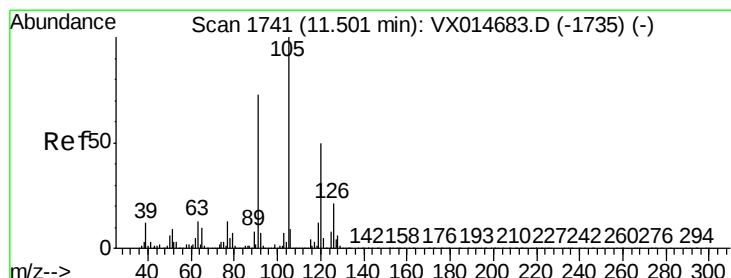
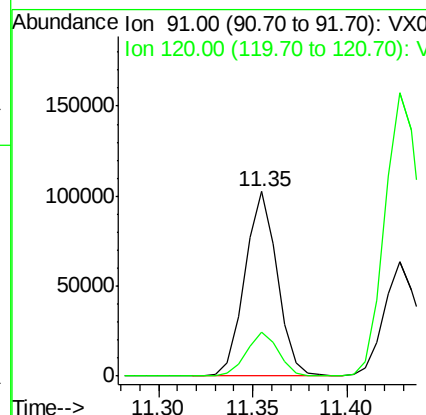
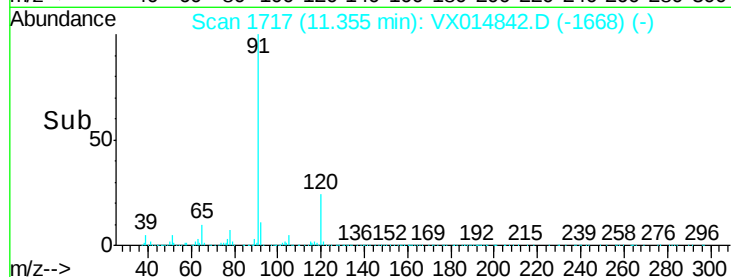
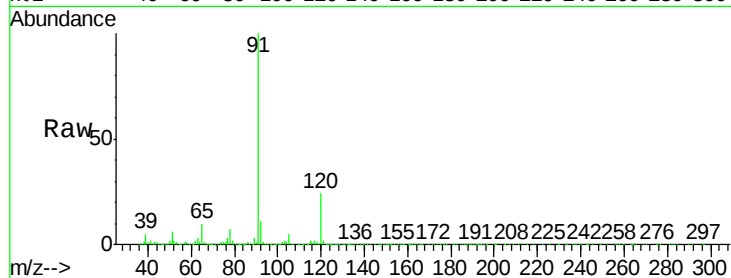
Ion Ratio Lower Upper

91 100

120 23.5 11.7 35.0

Manual Integrations
APPROVED

MMDadoda
2/7/2020 11:44:45 AM



#80

1,3,5-Trimethylbenzene

Concen: 13.514 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014842.D

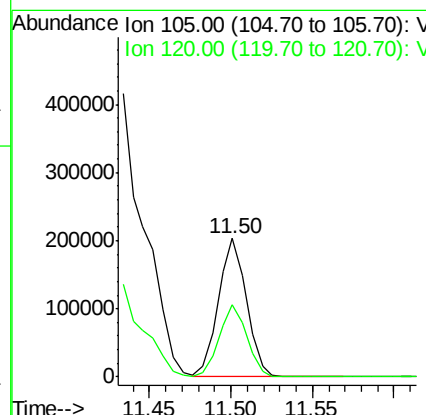
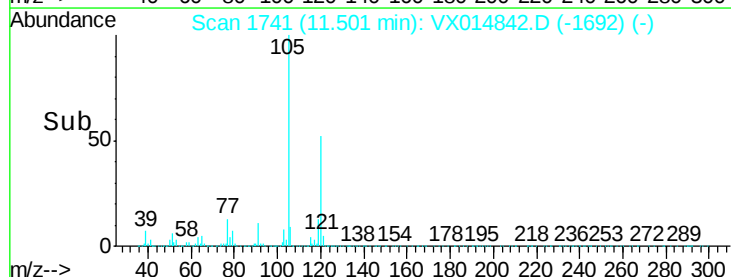
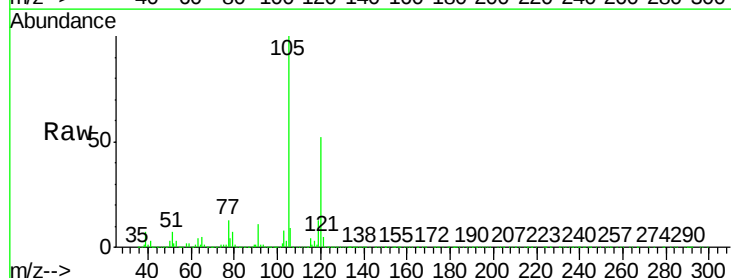
Acq: 06 Feb 2020 12:54

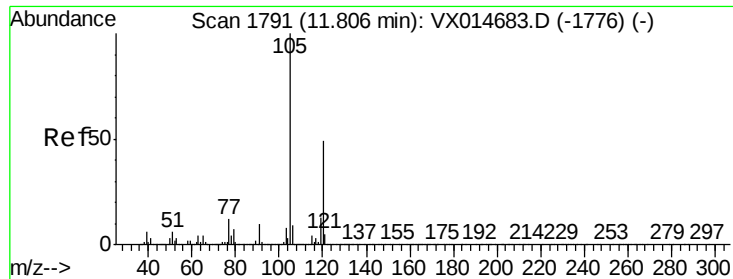
Tgt Ion: 105 Resp: 244821

Ion Ratio Lower Upper

105 100

120 51.4 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 58.299 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014842.D

Acq: 06 Feb 2020 12:54

Instrument :

MSVOA_X

ClientSampleId :

40230DL

Tot Ion:105 Resp: 1059375

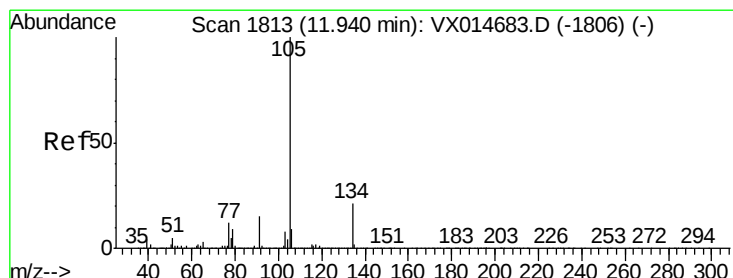
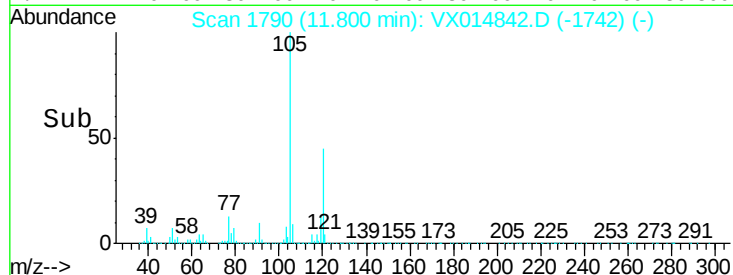
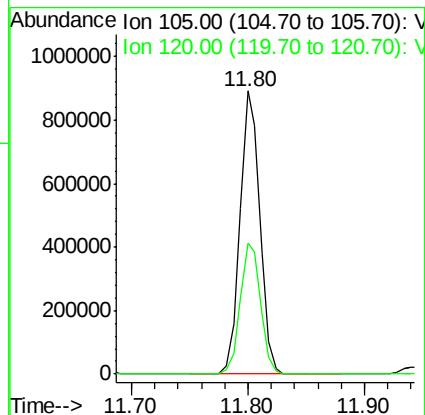
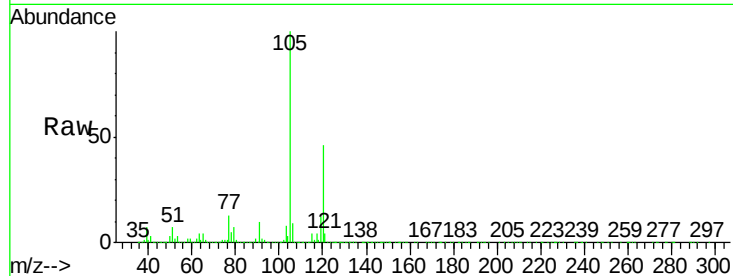
Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0

Manual Integrations
APPROVED

MMDadoda
2/7/2020 11:44:45 AM



#85

sec-Butylbenzene

Concen: 1.372 ug/l m

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014842.D

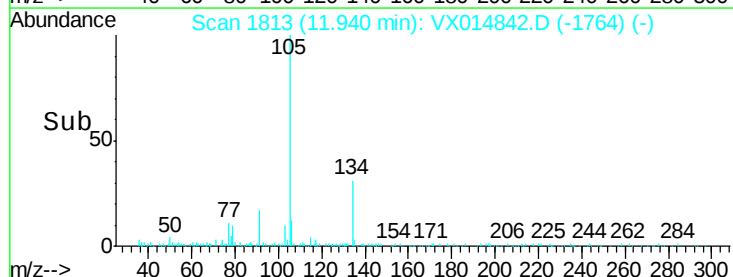
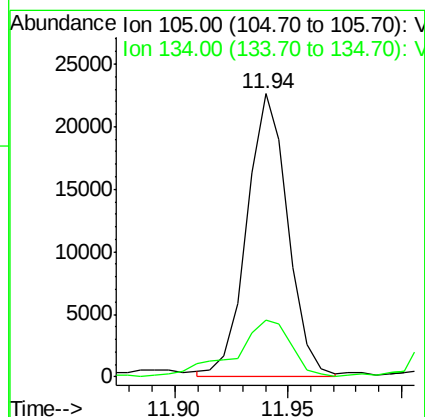
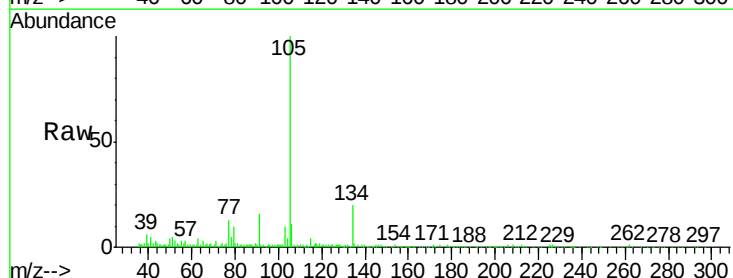
Acq: 06 Feb 2020 12:54

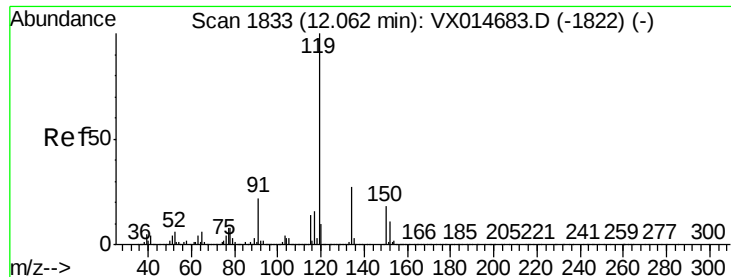
Tgt Ion:105 Resp: 28620

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#





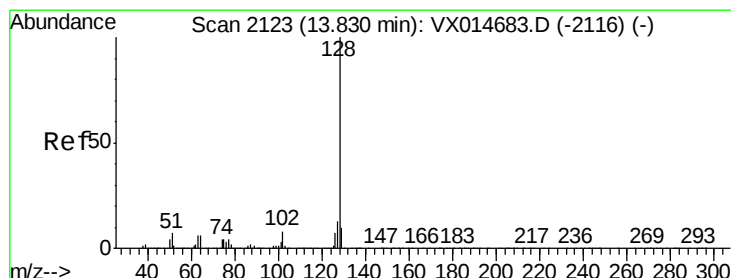
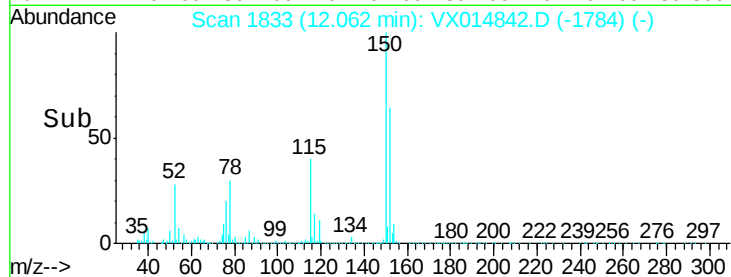
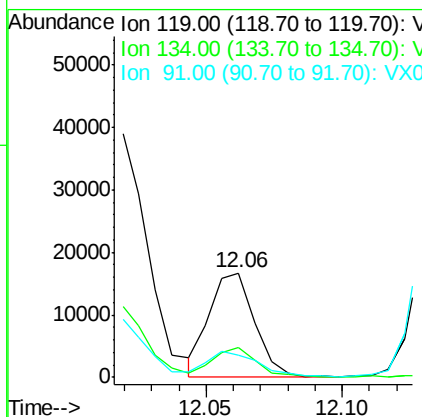
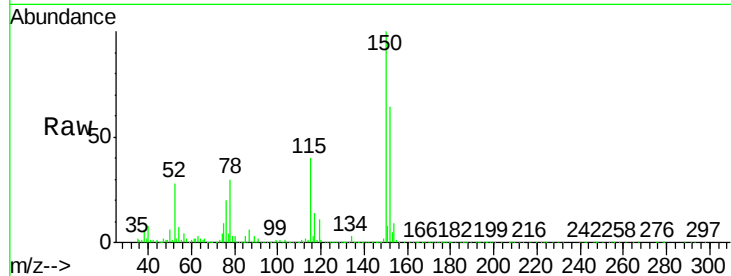
#86
p-Isopropyltoluene
Concen: 0.990 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX014842.D
Acq: 06 Feb 2020 12:54

Instrument :
MSVOA_X
ClientSampled :
40230DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	19087		
134	28.5		13.5	40.4
91	28.1		11.3	33.8

Manual Integrations
APPROVED

MMDadoda
2/7/2020 11:44:45 AM



#95
Naphthalene
Concen: 17.650 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014842.D
Acq: 06 Feb 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	370731		
127	12.7		10.3	15.5
129	11.1		8.6	12.8

