

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010886.D
 Acq On : 15 Jul 2019 15:51
 Operator : JC/SP
 Sample : K3786-01DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0581DL

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 10:44:28 AM

Quant Time: Jul 16 03:30:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162269	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	120162	55.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.20%	
35) Dibromofluoromethane	5.50	113	112281	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
50) Toluene-d8	8.71	98	431022	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	156787	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	1290	1.191	ug/l	90
31) Cyclohexane	5.57	56	55856	17.894	ug/l	91
39) Methylcyclohexane	7.46	83	57372	15.250	ug/l	95
40) Benzene	6.14	78	8972	1.006	ug/l	96
67) Ethyl Benzene	10.25	91	302874	26.539	ug/l	98
68) m/p-Xylenes	10.35	106	295738	66.878	ug/l	96
69) o-Xylene	10.69	106	5744	1.321	ug/l	97
73) Isopropylbenzene	11.02	105	30992	2.817	ug/l	98
78) n-propylbenzene	11.36	91	39200	3.243	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	84554	9.324	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	320544	35.184	ug/l	99
85) sec-Butylbenzene	11.94	105	5860m	0.548	ug/l	
86) p-Isopropyltoluene	12.06	119	10696	1.082	ug/l	96
95) Naphthalene	13.83	128	72277	6.365	ug/l	99

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

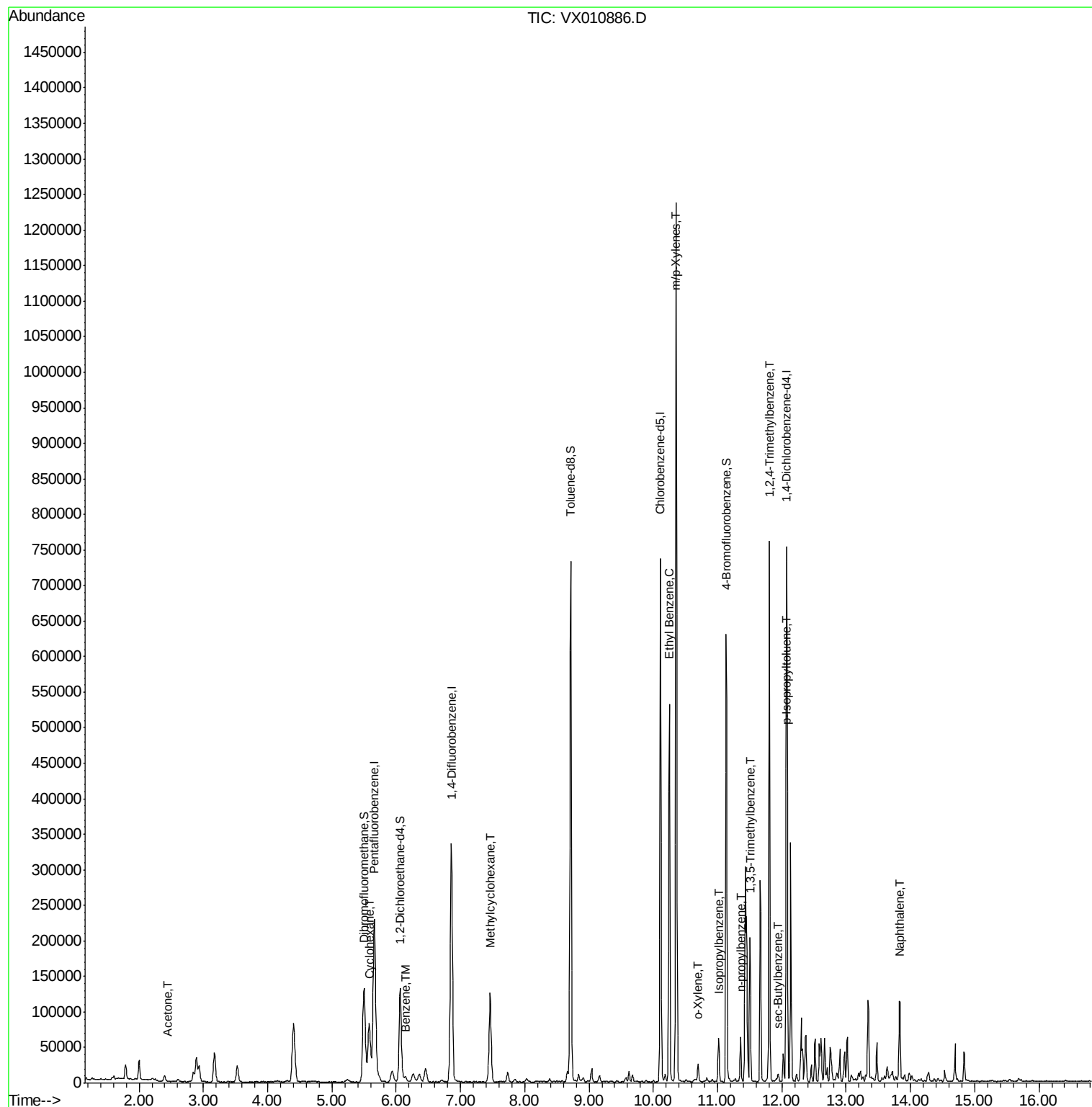
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071519\
Data File : VX010886.D
Acq On : 15 Jul 2019 15:51
Operator : JC/SP
Sample : K3786-01DL 4X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

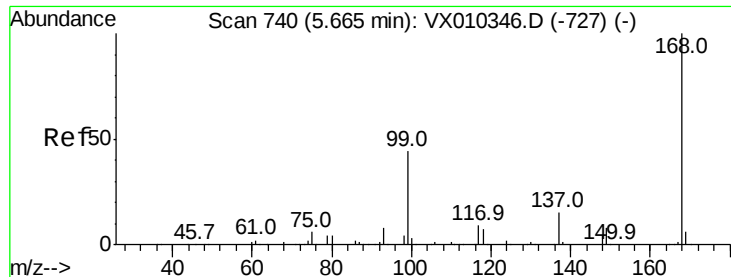
Instrument :
MSVOA_X
ClientSampleId :
FL-0581DL

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:44:28 AM

Quant Time: Jul 16 03:30:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

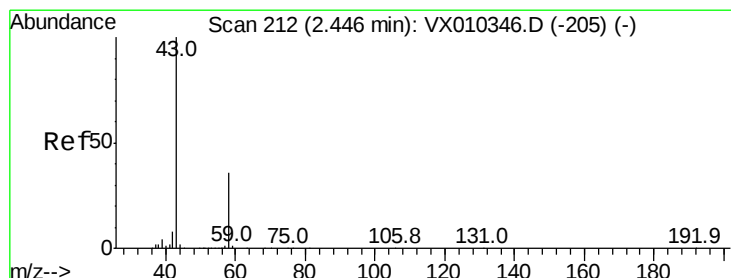
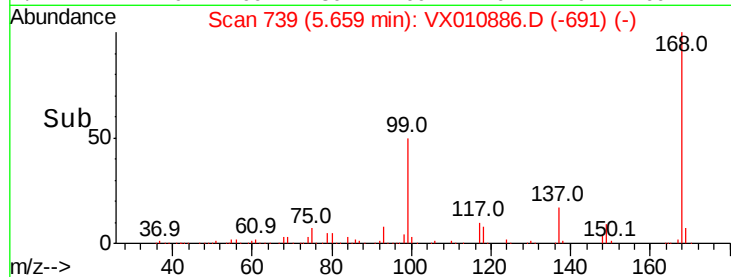
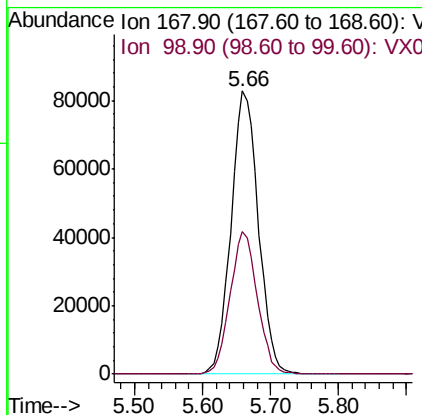
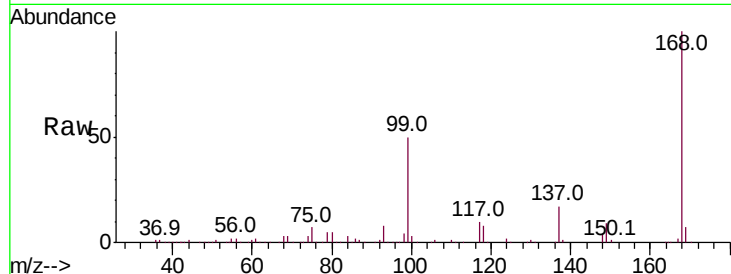
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX010886.D
 Acq: 15 Jul 2019 15:51

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0581DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	230487		
99	50.2	35.5	53.3	

Manual Integrations
 APPROVED

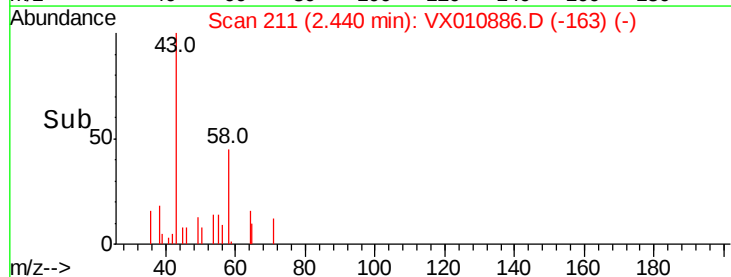
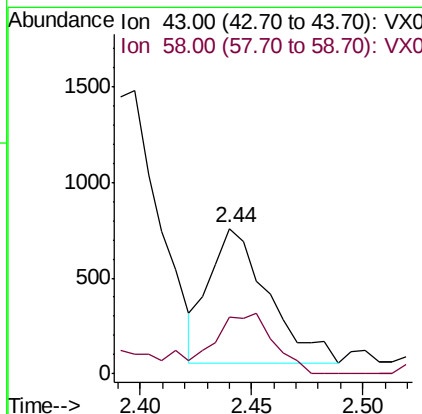
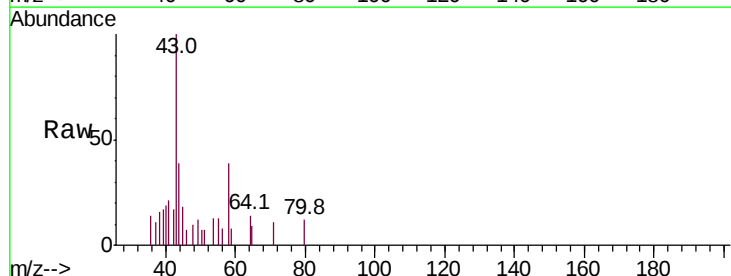
MMDadoda
 7/16/2019 10:44:28 AM

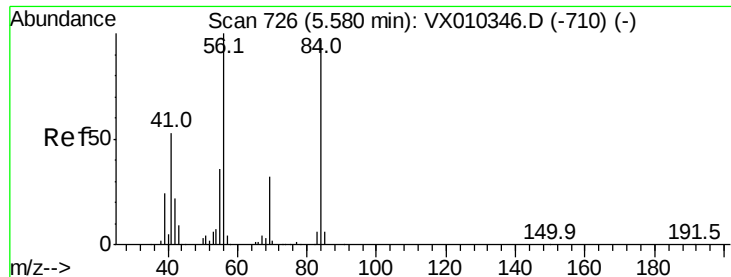


#16

Acetone
 Concen: 1.191 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX010886.D
 Acq: 15 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1290		
58	42.1	28.9	43.3	





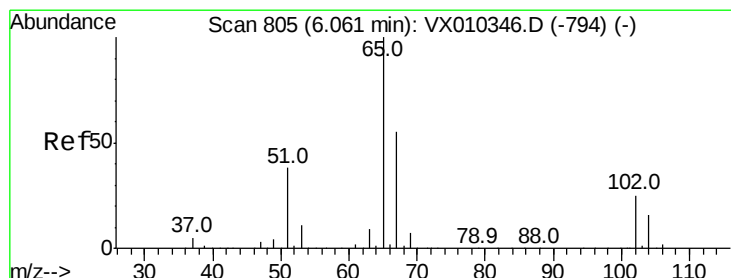
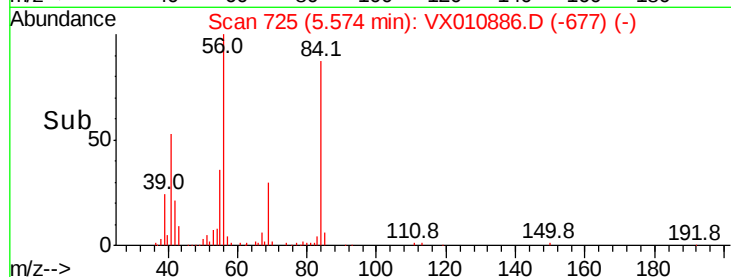
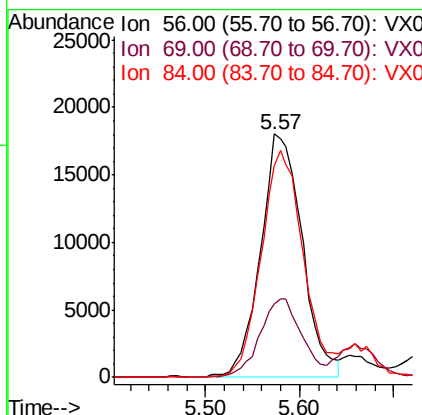
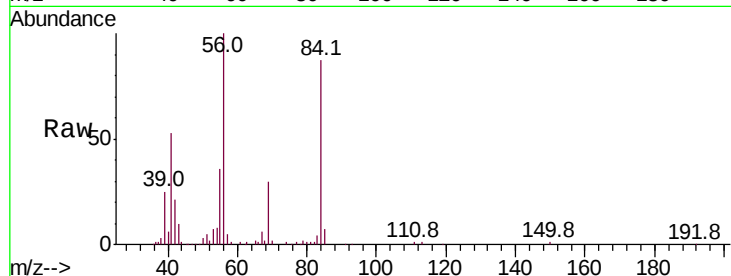
#31
Cyclohexane
Concen: 17.894 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0581DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.9	38.9
84	86.8	78.0	117.0

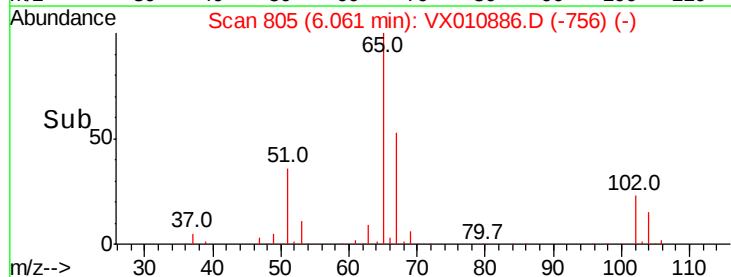
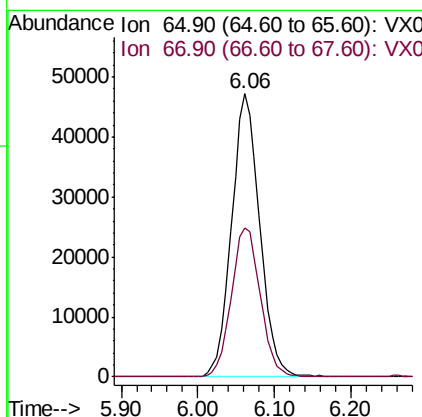
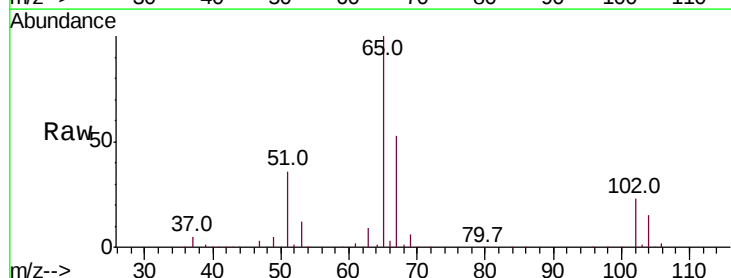
Manual Integrations
APPROVED

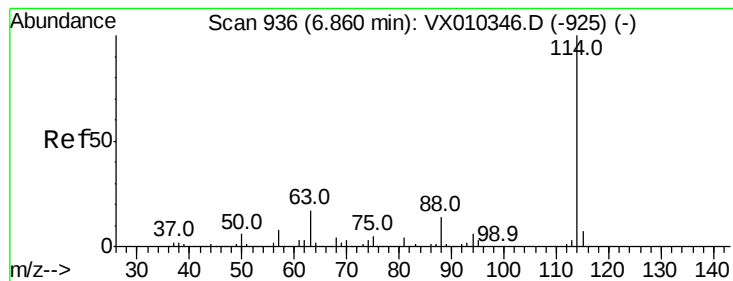
MMDadoda
7/16/2019 10:44:28 AM



#33
1,2-Dichloroethane-d4
Concen: 55.604 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	110.2





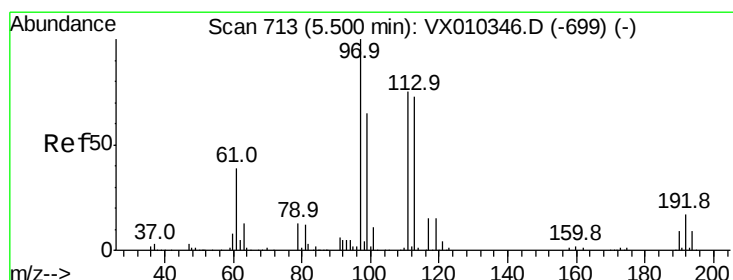
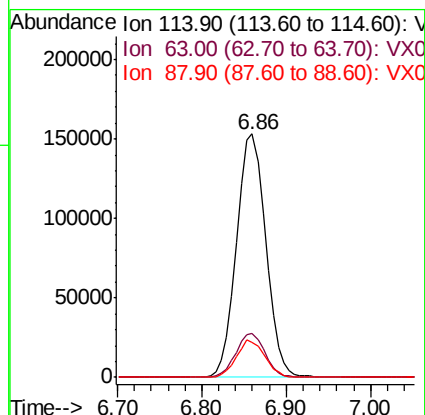
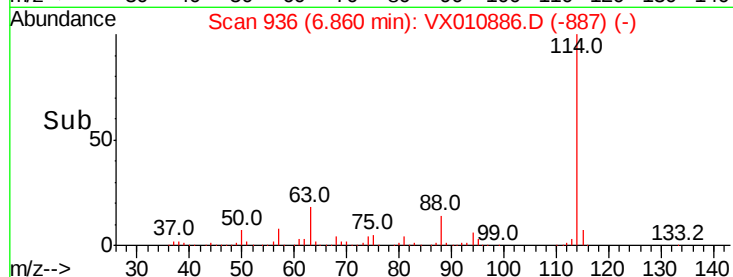
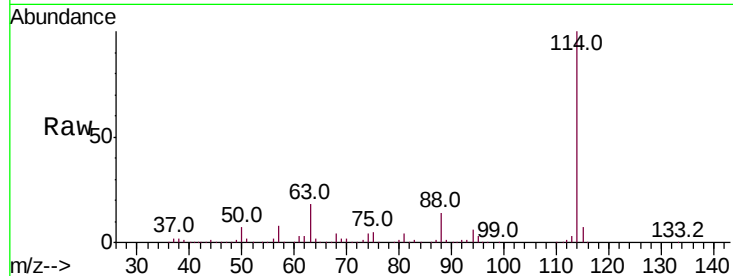
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010886.D
 Acq: 15 Jul 2019 15:51

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0581DL

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	18.0	0.0	33.8
88	14.4	0.0	27.6

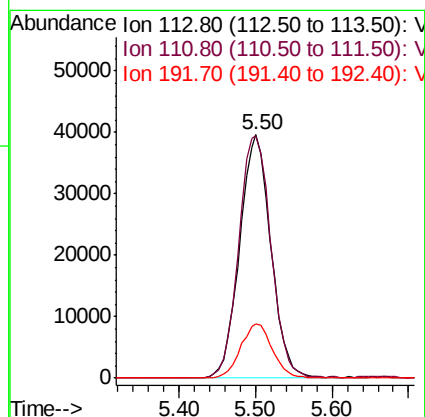
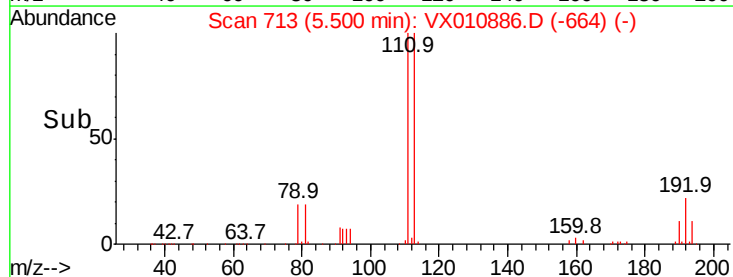
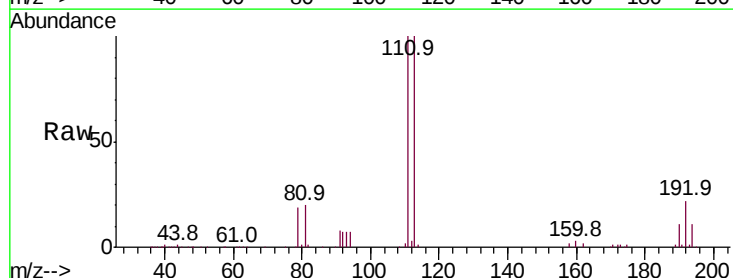
Manual Integrations
 APPROVED

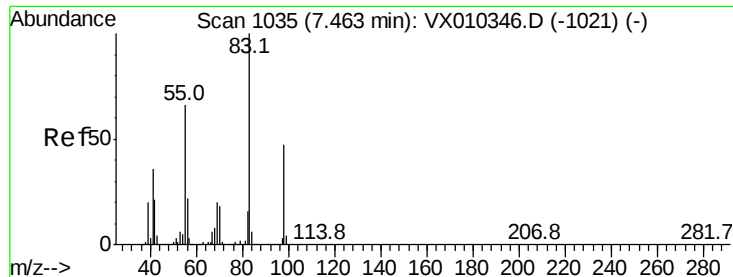
MMDadoda
 7/16/2019 10:44:28 AM



#35
 Dibromofluoromethane
 Concen: 50.953 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010886.D
 Acq: 15 Jul 2019 15:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	102.5	81.2	121.8
192	22.5	18.6	27.8





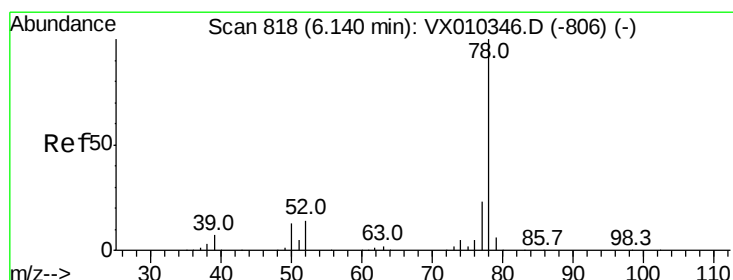
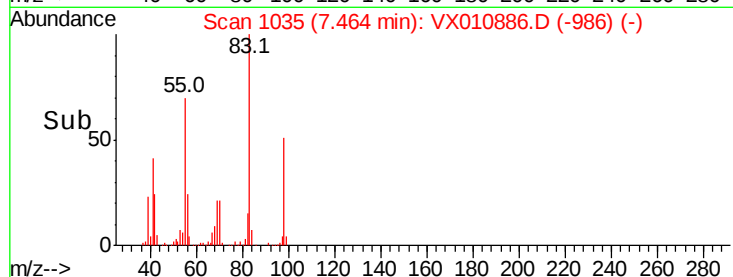
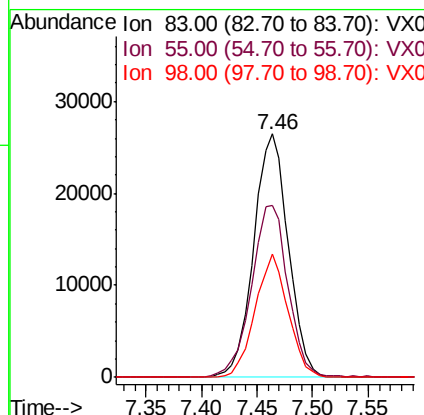
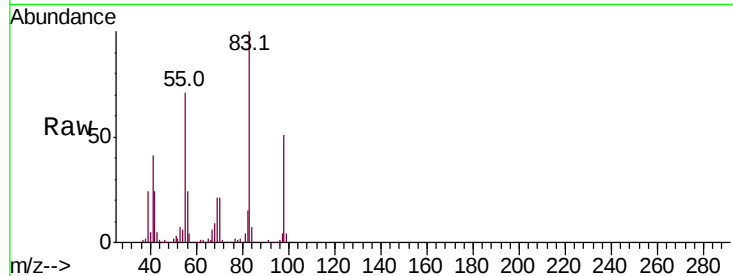
#39
Methvlcvclohexane
Concen: 15.250 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0581DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.5	53.0	79.6
98	50.8	37.8	56.8

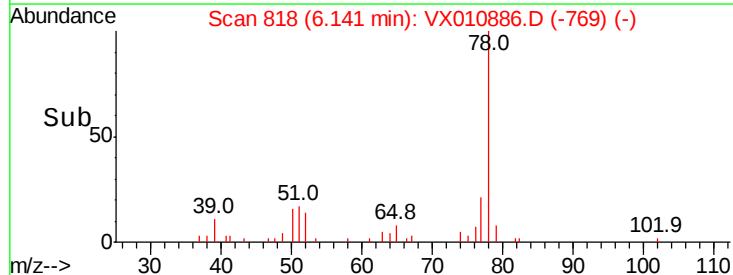
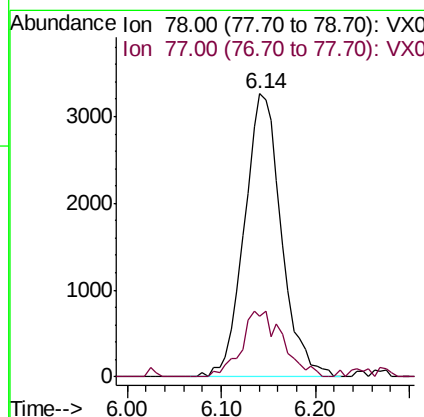
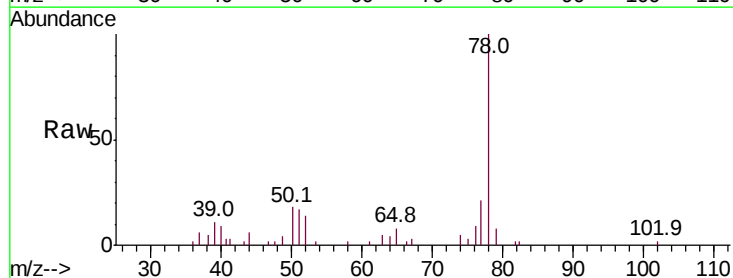
Manual Integrations
APPROVED

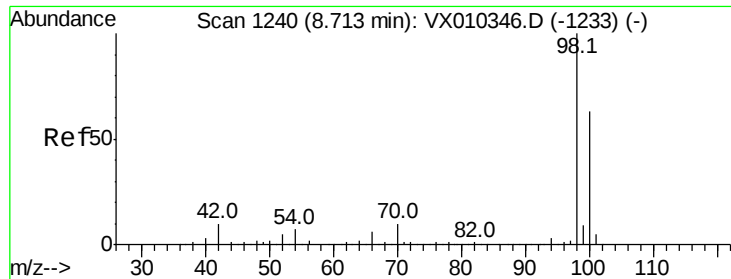
MMDadoda
7/16/2019 10:44:28 AM



#40
Benzene
Concen: 1.006 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.6	28.0





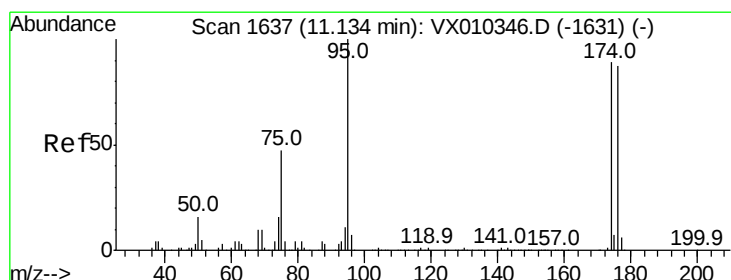
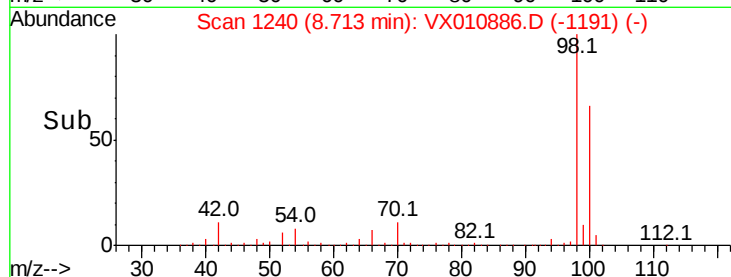
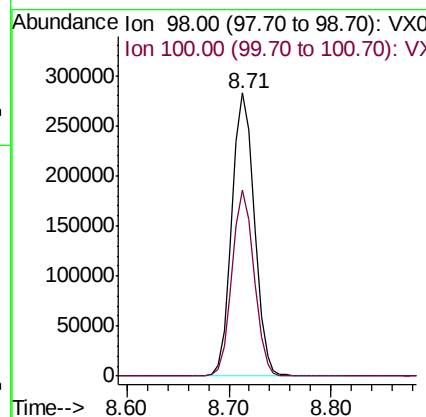
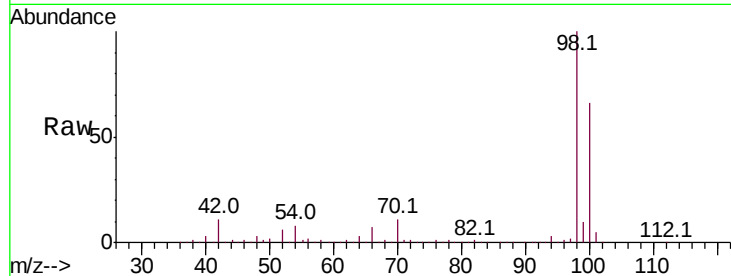
#50
Toluene-d8
Concen: 51.126 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0581DL

Tot Ion: 98 Resp: 431022
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

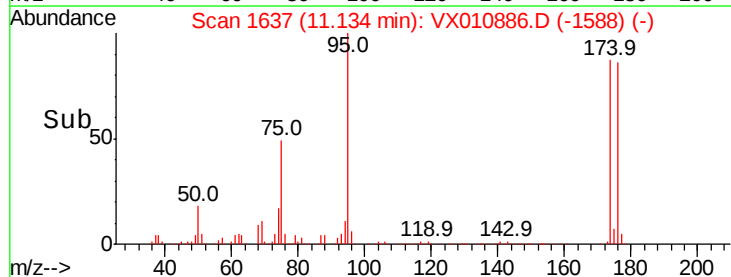
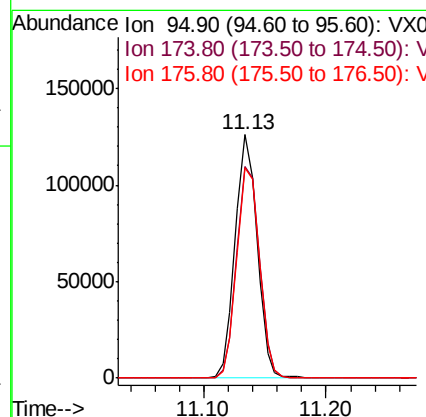
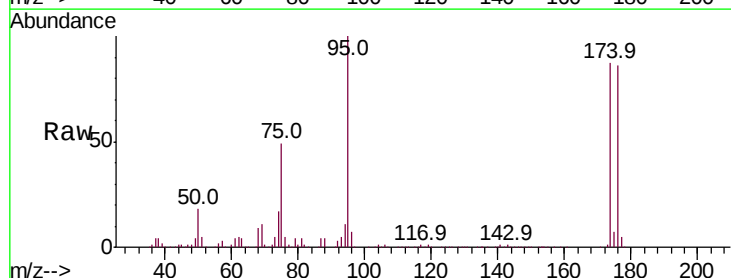
Manual Integrations
APPROVED

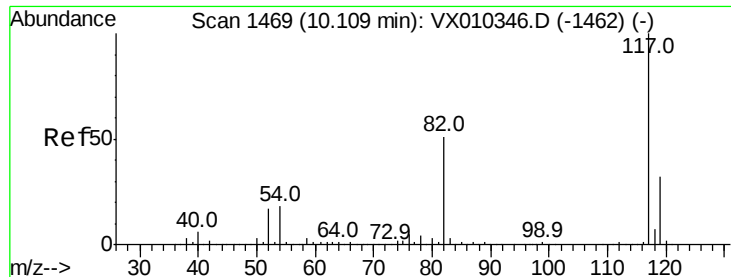
MMDadoda
7/16/2019 10:44:28 AM



#62
4-Bromofluorobenzene
Concen: 51.512 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Tgt Ion: 95 Resp: 156787
Ion Ratio Lower Upper
95 100
174 90.7 0.0 187.6
176 89.4 0.0 184.0





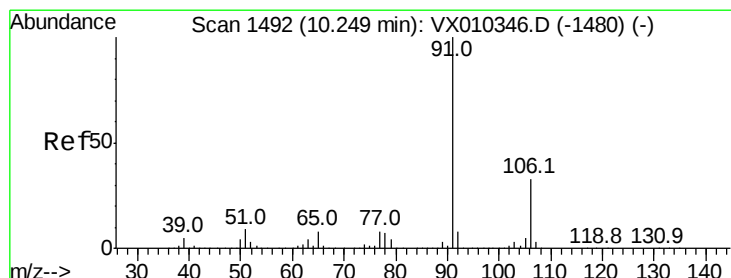
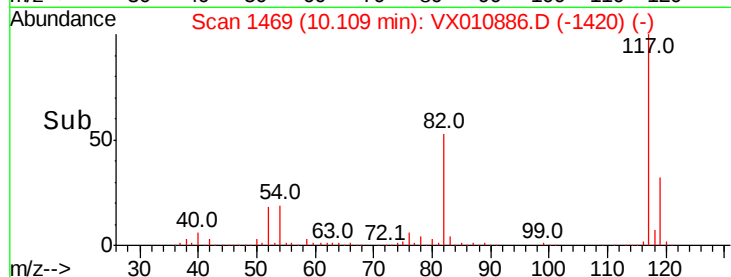
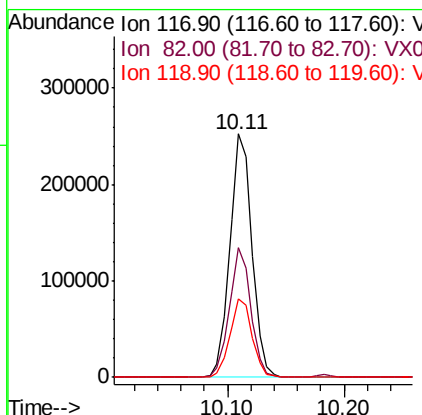
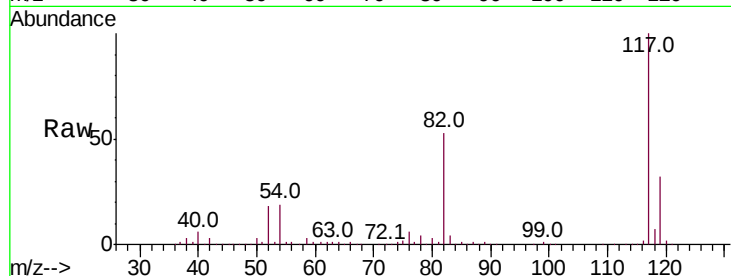
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0581DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.2	61.8
119	32.4	25.5	38.3

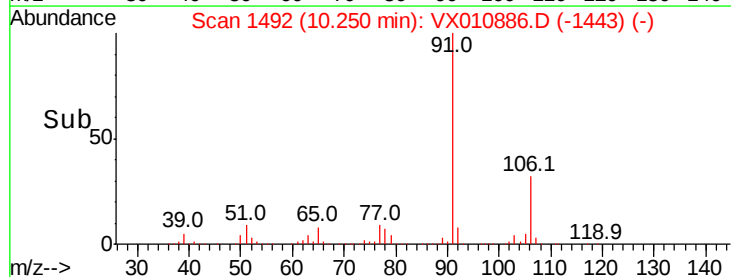
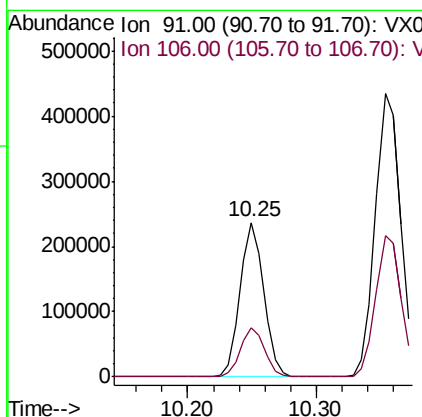
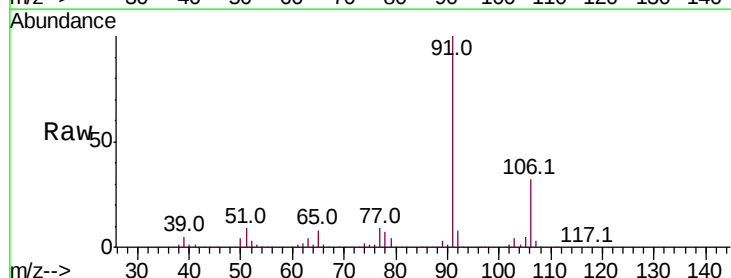
Manual Integrations
APPROVED

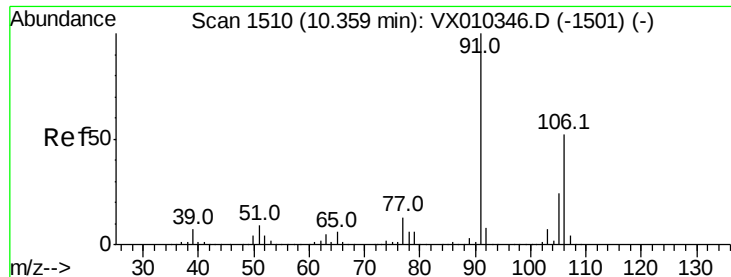
MMDadoda
7/16/2019 10:44:28 AM



#67
Ethyl Benzene
Concen: 26.539 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	26.2	39.2





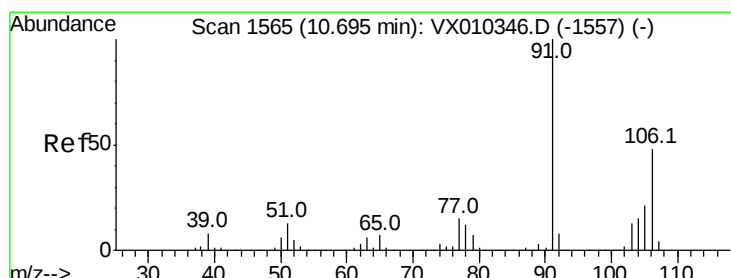
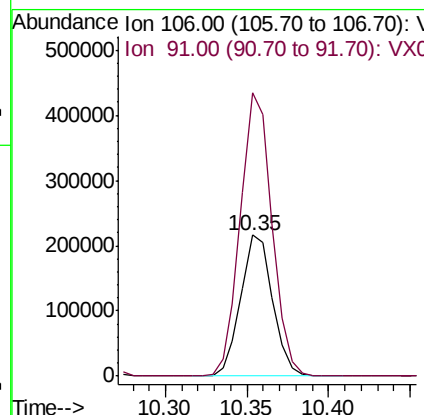
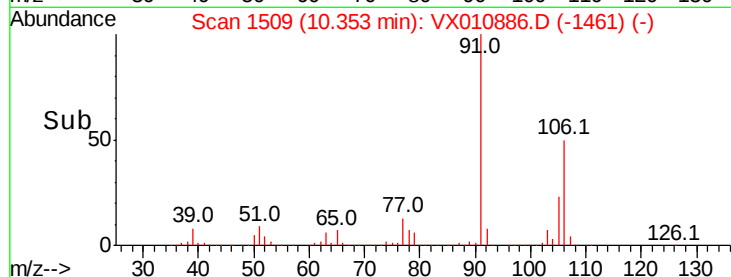
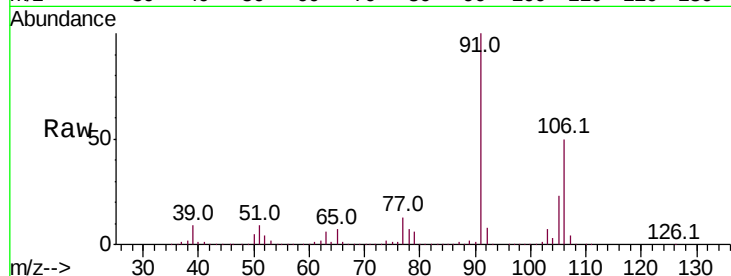
#68
m/p-Xylenes
Concen: 66.878 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampled :
FL-0581DL

Tot Ion:106 Resp: 295738
Ion Ratio Lower Upper
106 100
91 199.3 155.3 232.9

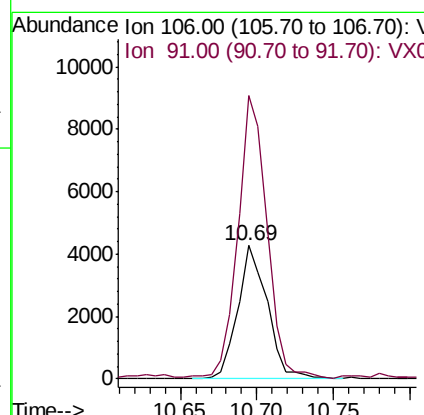
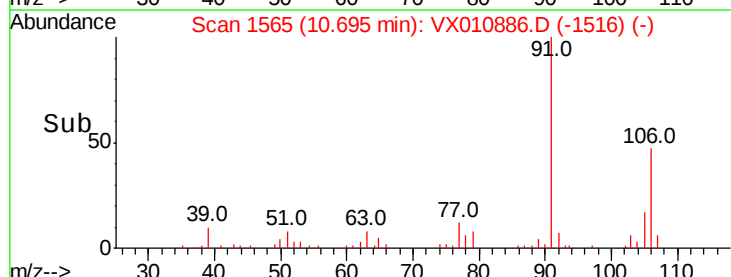
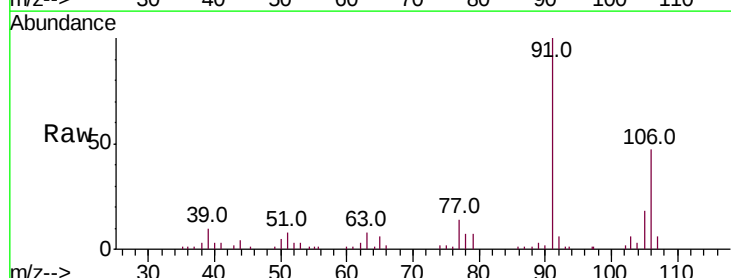
Manual Integrations
APPROVED

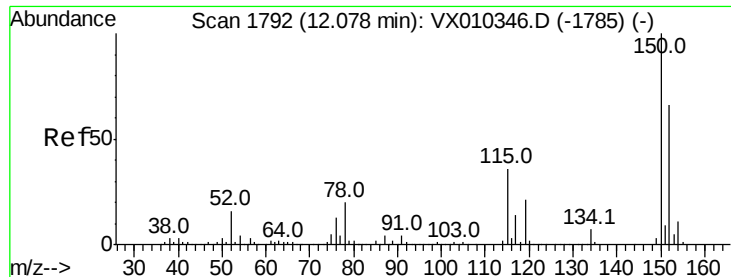
MMDadoda
7/16/2019 10:44:28 AM



#69
o-Xylene
Concen: 1.321 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Tgt Ion:106 Resp: 5744
Ion Ratio Lower Upper
106 100
91 209.5 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010886.D

Acq: 15 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

FL-0581DL

Tot Ion:152 Resp: 162269

Ion Ratio Lower Upper

152 100

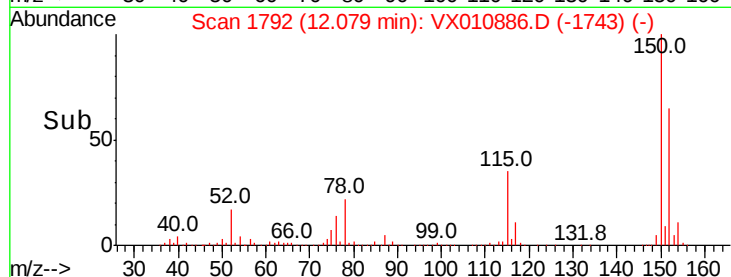
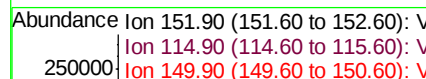
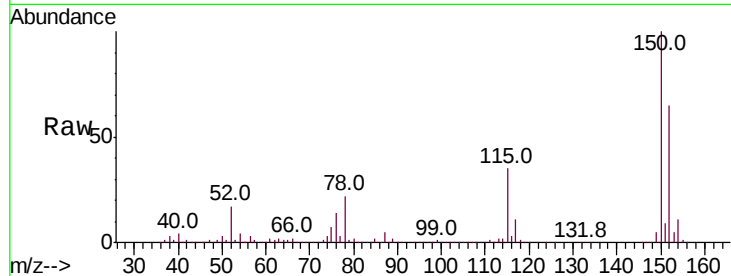
115 55.9 38.6 115.7

150 157.3 0.0 347.4

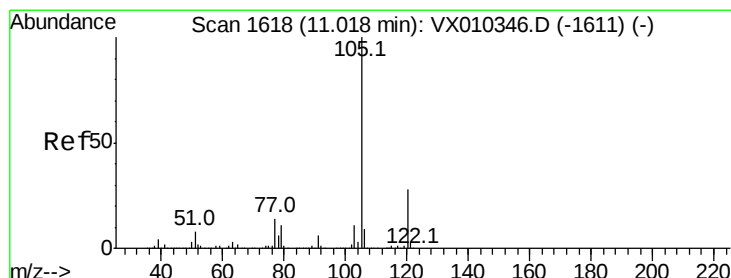
Manual Integrations
APPROVED

MMDadoda

7/16/2019 10:44:28 AM



Time-->



#73

Isopropylbenzene

Concen: 2.817 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010886.D

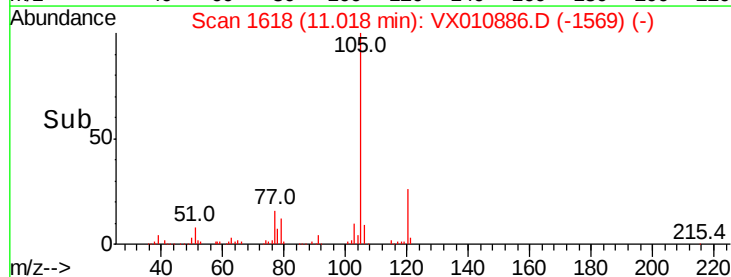
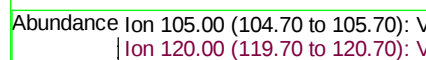
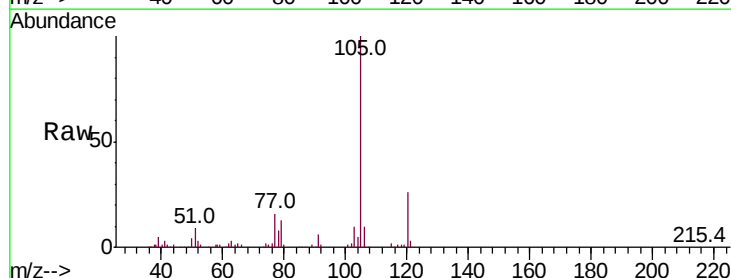
Acq: 15 Jul 2019 15:51

Tgt Ion:105 Resp: 30992

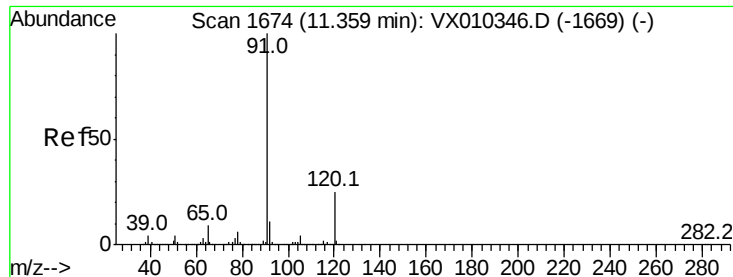
Ion Ratio Lower Upper

105 100

120 27.0 14.1 42.4



Time-->



#78

n-propylbenzene

Concen: 3.243 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010886.D

Acq: 15 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0581DL

Tot Ion: 91 Resp: 39200

Ion Ratio Lower Upper

91 100

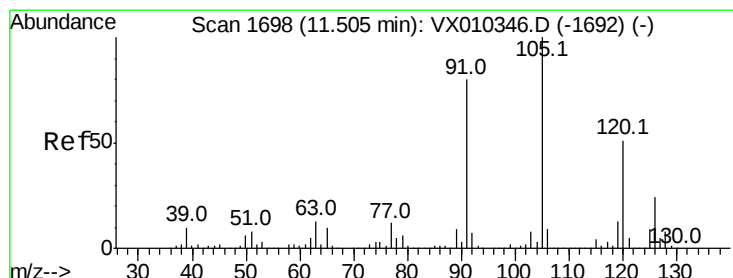
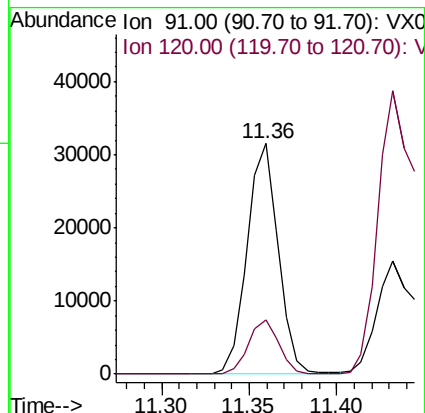
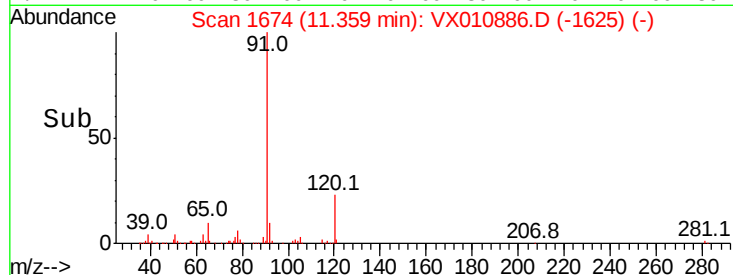
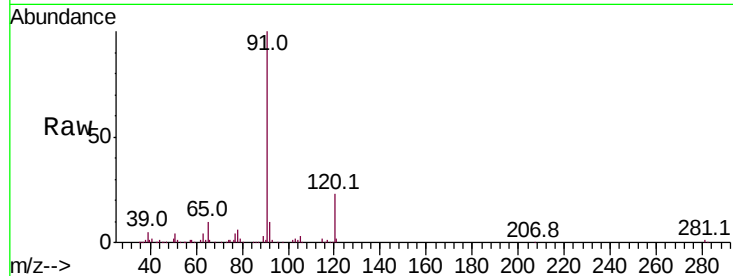
120 23.2 12.4 37.4

Manual Integrations

APPROVED

MMDadoda

7/16/2019 10:44:28 AM



#80

1,3,5-Trimethylbenzene

Concen: 9.324 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010886.D

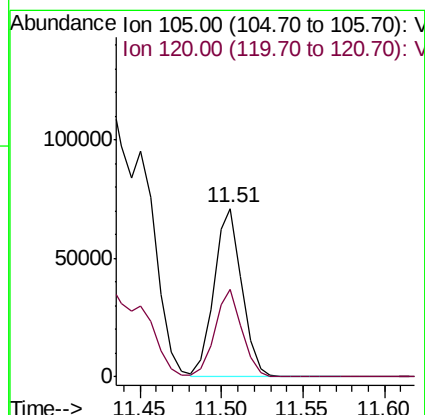
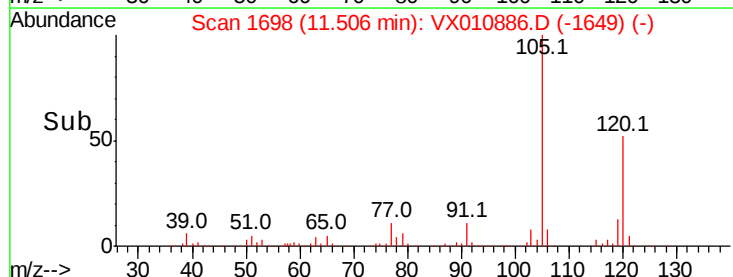
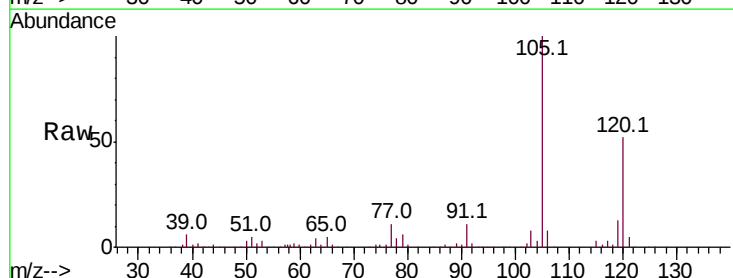
Acq: 15 Jul 2019 15:51

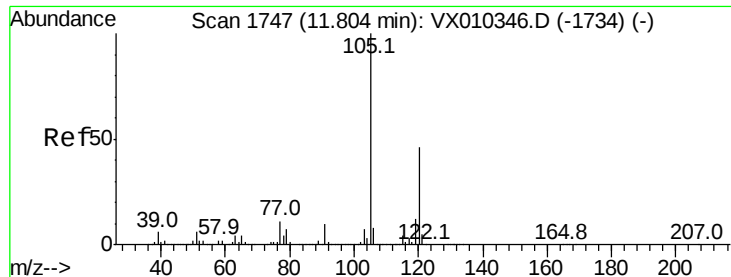
Tgt Ion: 105 Resp: 84554

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 35.184 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010886.D

Acq: 15 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0581DL

Tot Ion:105 Resp: 320544

Ion Ratio Lower Upper

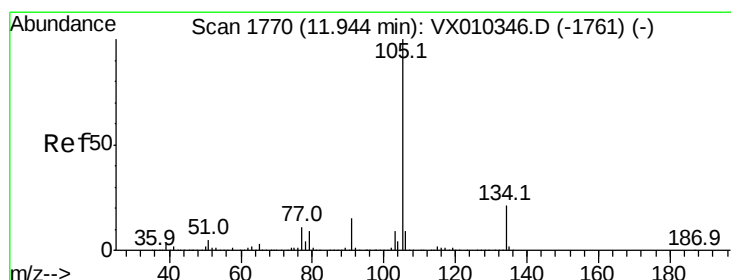
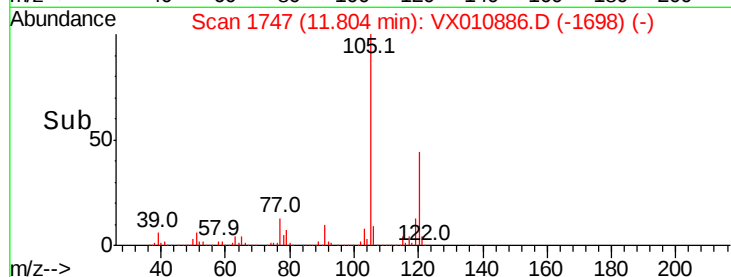
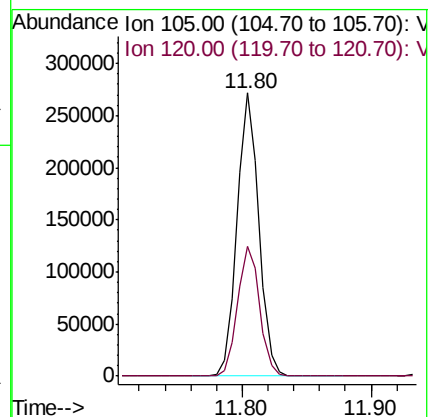
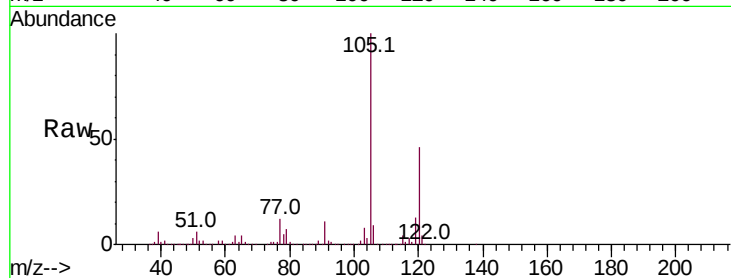
105 100

120 46.7 23.1 69.2

Manual Integrations
APPROVED

MMDadoda

7/16/2019 10:44:28 AM



#85

sec-Butylbenzene

Concen: 0.548 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010886.D

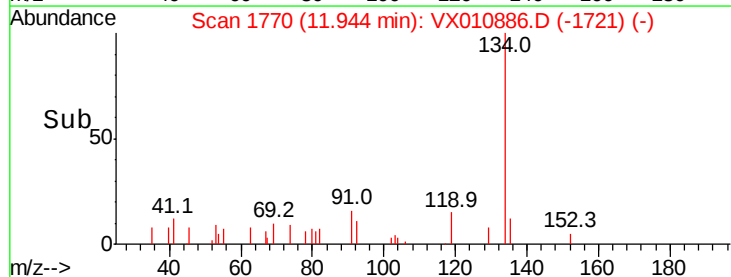
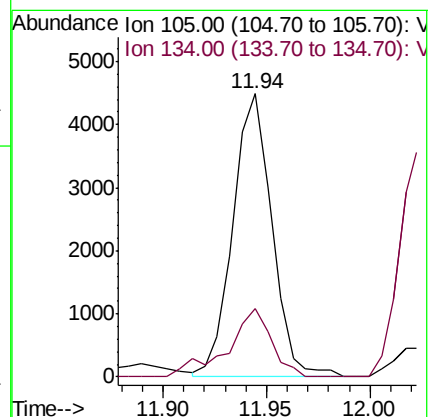
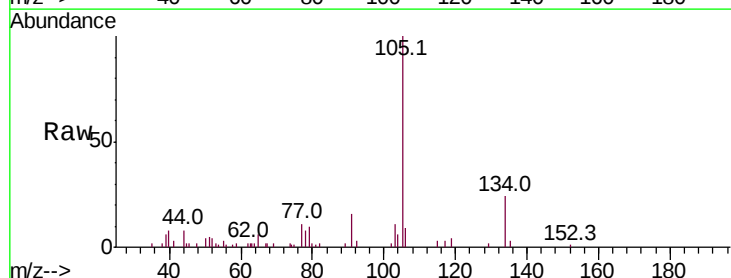
Acq: 15 Jul 2019 15:51

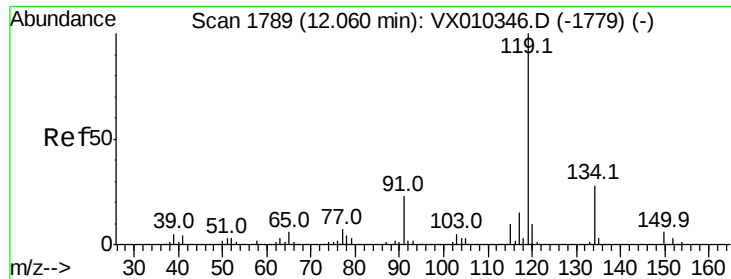
Tgt Ion:105 Resp: 5860

Ion Ratio Lower Upper

105 100

134 0.0 10.7 31.9#





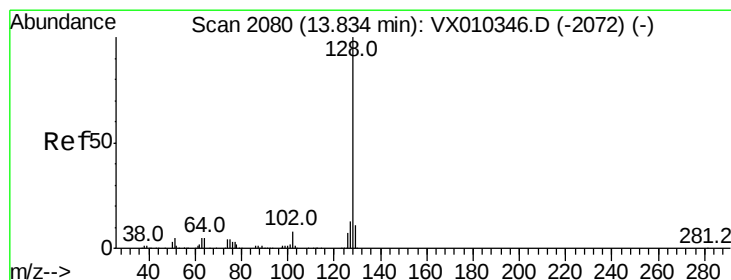
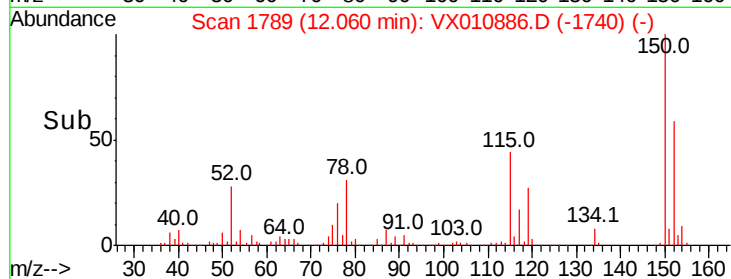
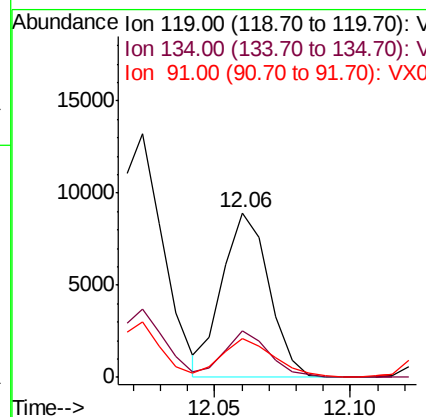
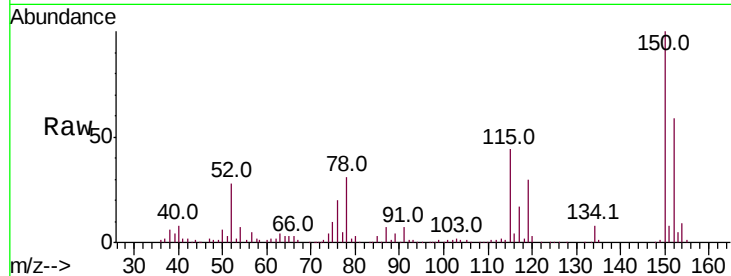
#86
p-Isopropyltoluene
Concen: 1.082 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampled :
FL-0581DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10696		
134	26.6		13.7	41.1
91	26.2		11.3	33.8

Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:44:28 AM



#95
Naphthalene
Concen: 6.365 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010886.D
Acq: 15 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	72277		
127	13.1		10.2	15.4
129	11.7		8.9	13.3

