

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010542.D
 Acq On : 28 Jun 2019 18:08
 Operator : JC/SP
 Sample : K3565-13DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0577DL

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 11:36:08 AM

Quant Time: Jun 29 06:18:27 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	5.67	168	238853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158086	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115215	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
35) Dibromofluoromethane	5.50	113	112707	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
50) Toluene-d8	8.71	98	440823	50.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.13	95	146645	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	10843	3.352	ug/l	97
39) Methylcyclohexane	7.46	83	16792	4.351	ug/l	97
67) Ethyl Benzene	10.25	91	165836	14.451	ug/l	99
68) m/p-Xylenes	10.36	106	181368	40.788	ug/l	98
73) Isopropylbenzene	11.02	105	32950	3.075	ug/l	100
78) n-propylbenzene	11.36	91	45385	3.853	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	133736	15.138	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	254924	28.722	ug/l	99
85) sec-Butylbenzene	11.94	105	5698m	0.547	ug/l	
86) p-Isopropyltoluene	12.06	119	9789	1.017	ug/l	91
95) Naphthalene	13.83	128	93385	8.441	ug/l	99

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

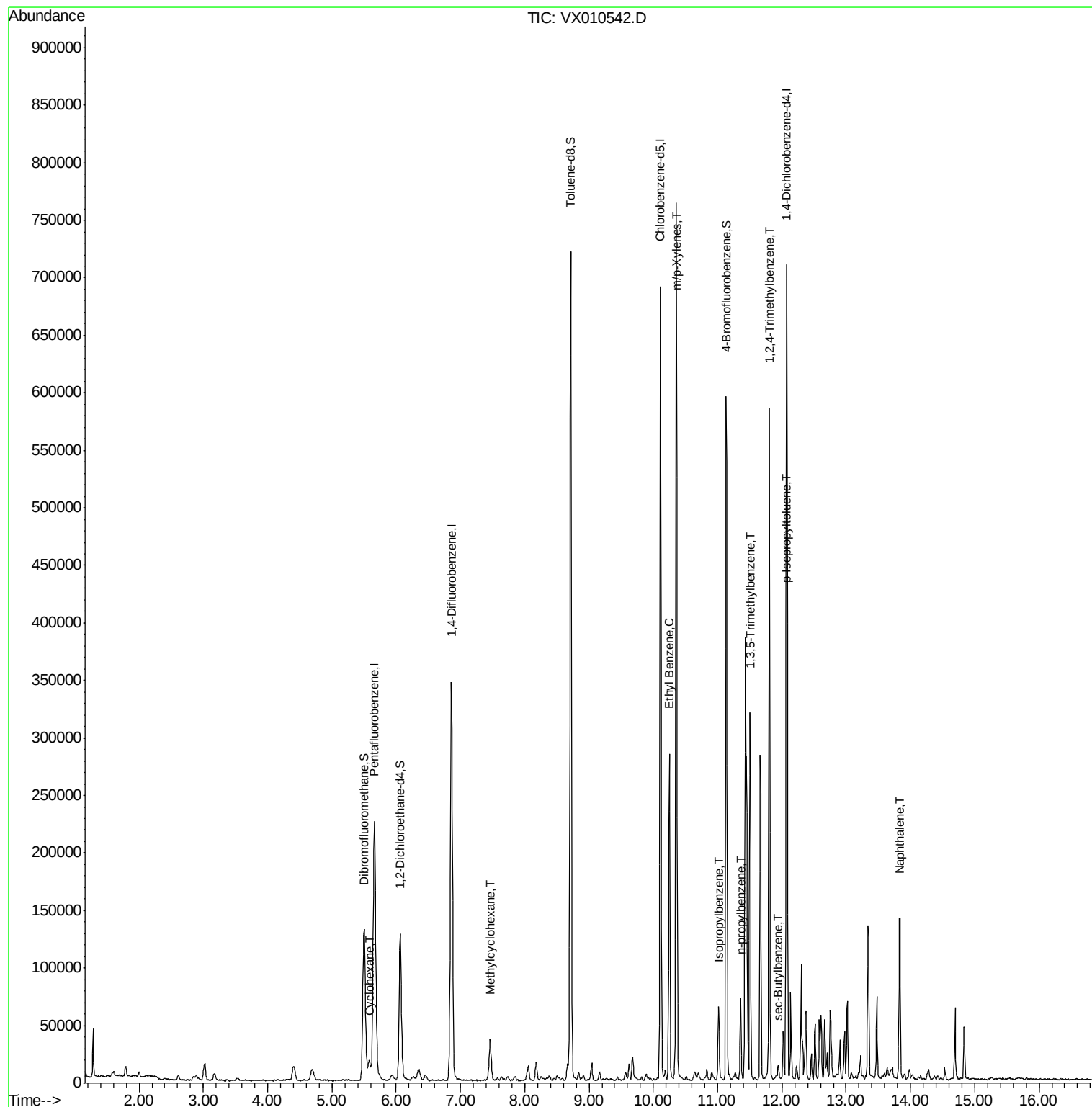
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\
Data File : VX010542.D
Acq On : 28 Jun 2019 18:08
Operator : JC/SP
Sample : K3565-13DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

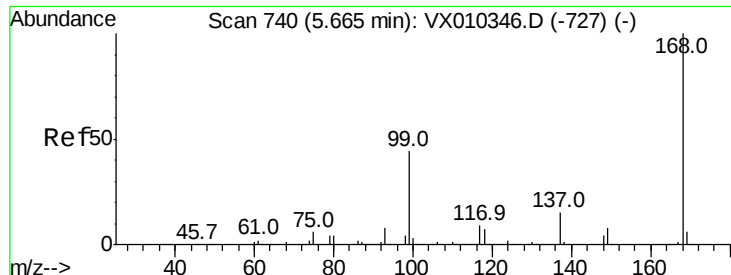
Instrument :
MSVOA_X
ClientSampleId :
FL-0577DL

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:36:08 AM

Quant Time: Jun 29 06:18:27 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

Instrument :

MSVOA_X

ClientSampled :

FL-0577DL

Tot Ion:168 Resp: 238853

Ion Ratio Lower Upper

168 100

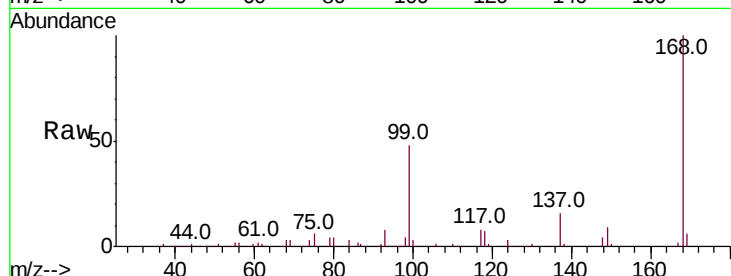
99 47.8 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

7/1/2019 11:36:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

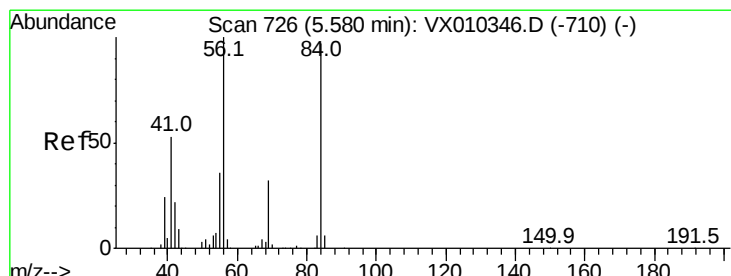
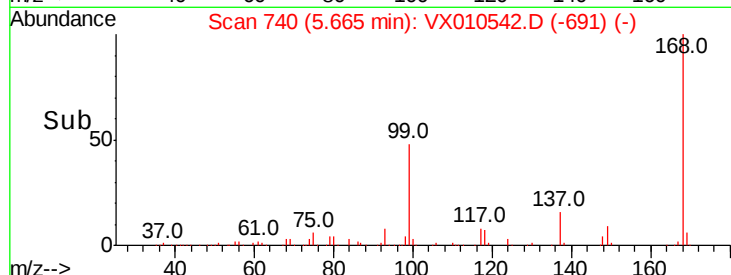
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 3.352 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

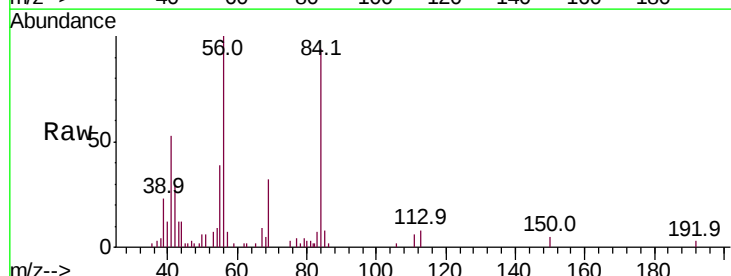
Tgt Ion: 56 Resp: 10843

Ion Ratio Lower Upper

56 100

69 31.8 25.9 38.9

84 94.2 78.0 117.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

4000

3000

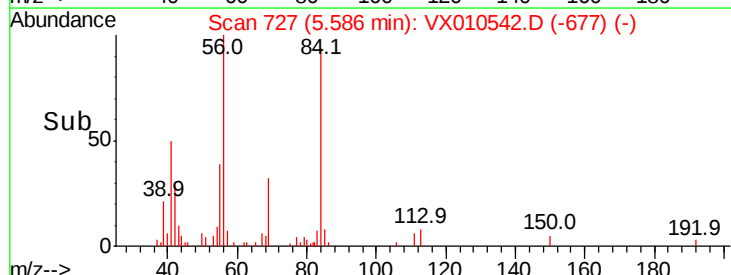
2000

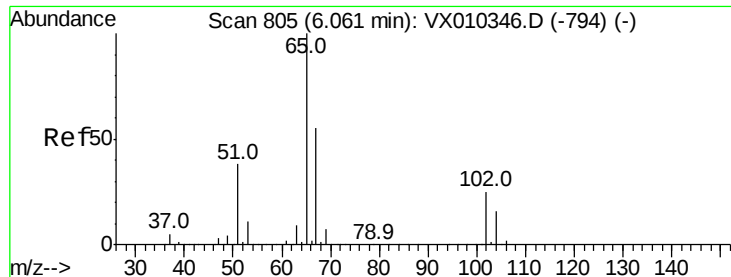
1000

0

Time-->

5.50 5.55 5.60 5.65





#33

1,2-Dichloroethane-d4

Concen: 51.447 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

Instrument :

MSVOA_X

ClientSampleID :

FL-0577DL

Tot Ion: 65 Resp: 115215

Ion Ratio Lower Upper

65 100

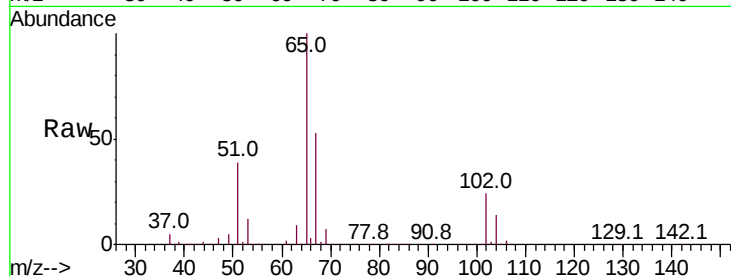
67 54.0 0.0 110.2

Manual Integrations

APPROVED

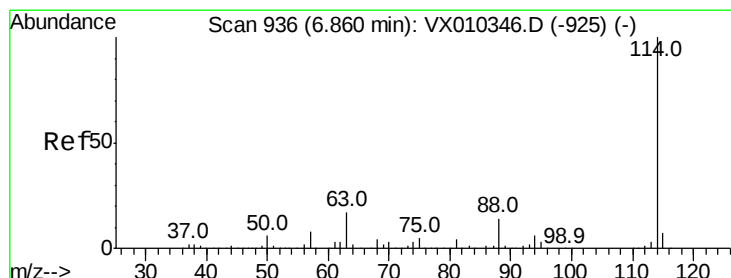
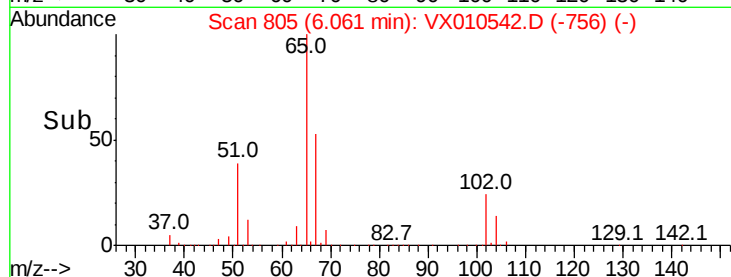
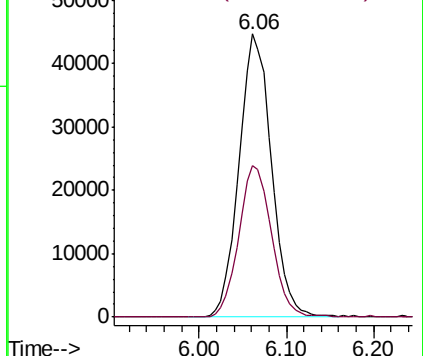
MMDadoda

7/1/2019 11:36:08 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

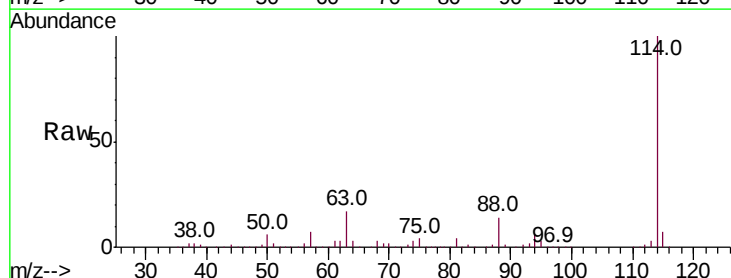
Tgt Ion:114 Resp: 369485

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.8

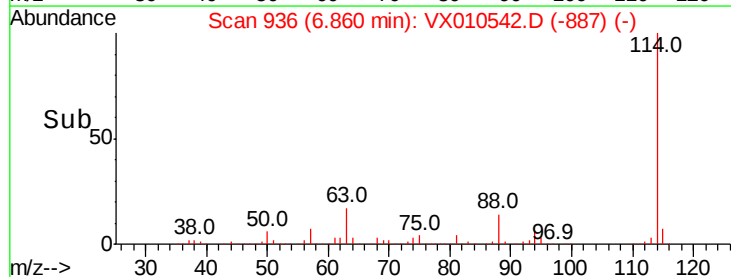
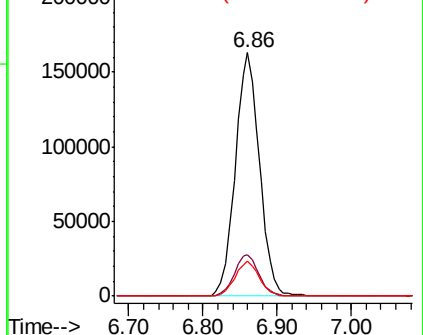
88 14.1 0.0 27.6

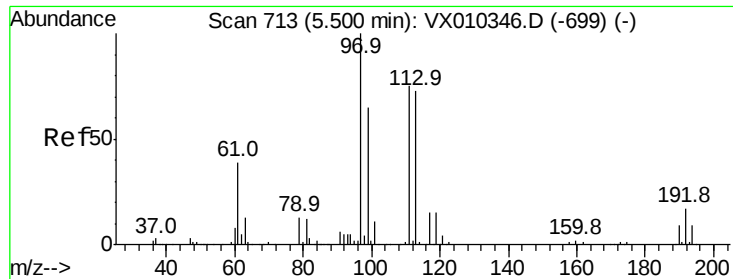


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.856 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

Instrument :

MSVOA_X

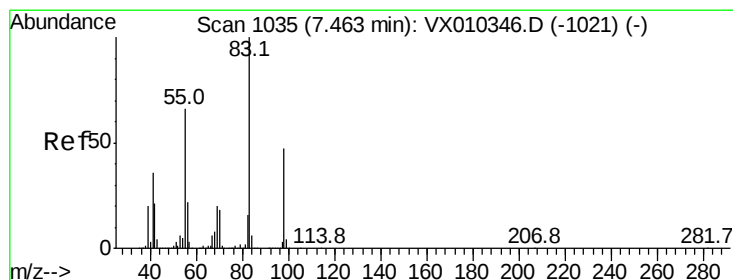
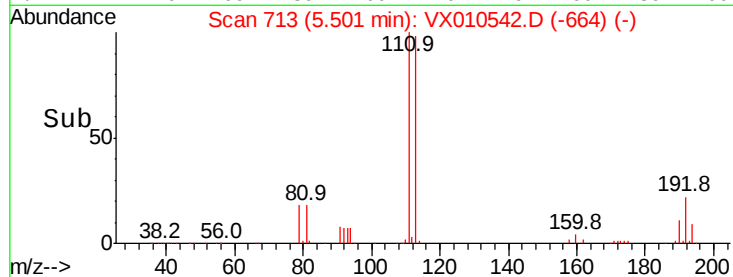
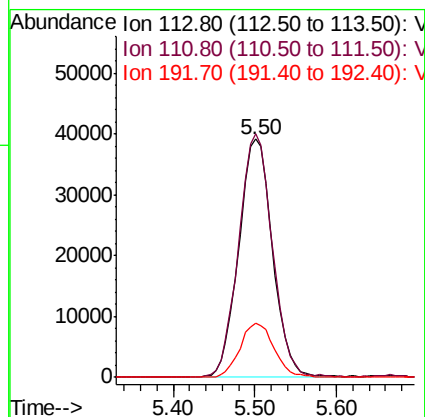
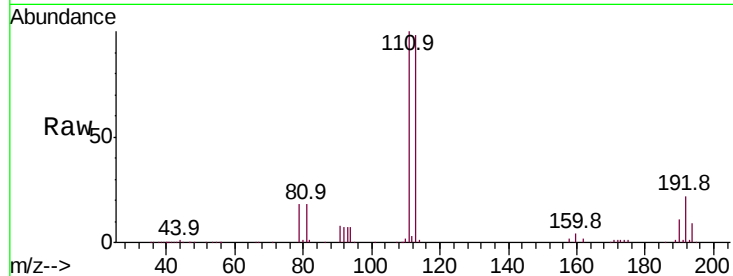
ClientSampled :

FL-0577DL

Tot Ion:	113	Resp:	112707
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.2	121.8
192	22.7	18.6	27.8

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:36:08 AM



#39

Methylcyclohexane

Concen: 4.351 ug/l

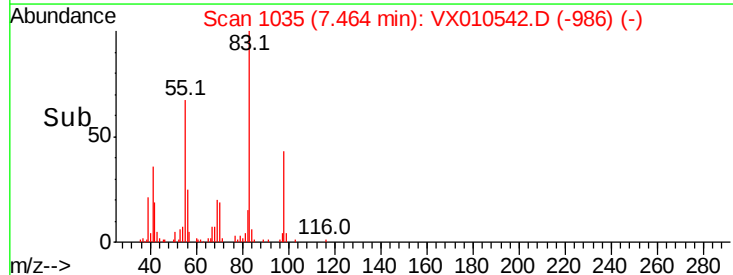
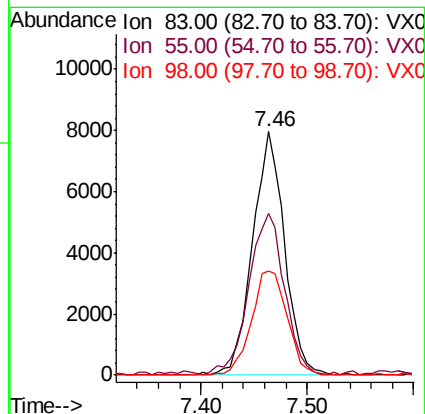
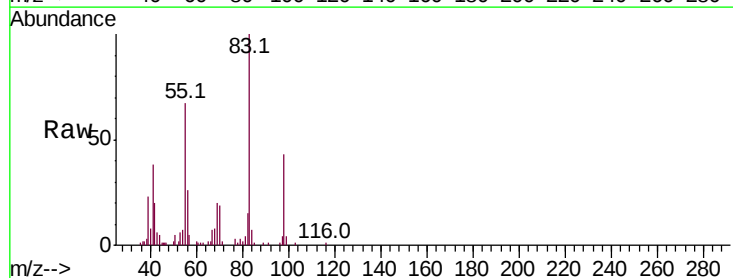
RT: 7.46 min Scan# 1035

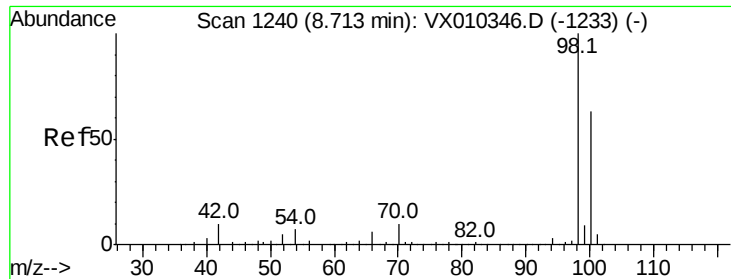
Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

Tgt Ion:	83	Resp:	16792
Ion Ratio	Lower	Upper	
83	100		
55	66.6	53.0	79.6
98	42.8	37.8	56.8





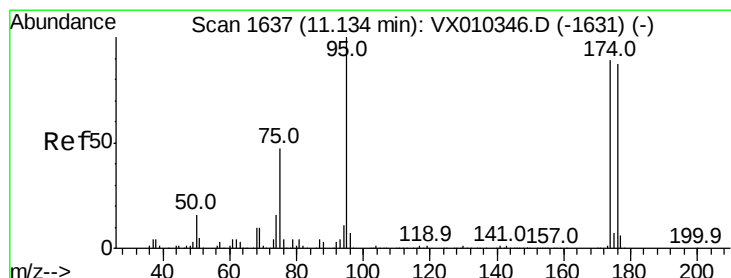
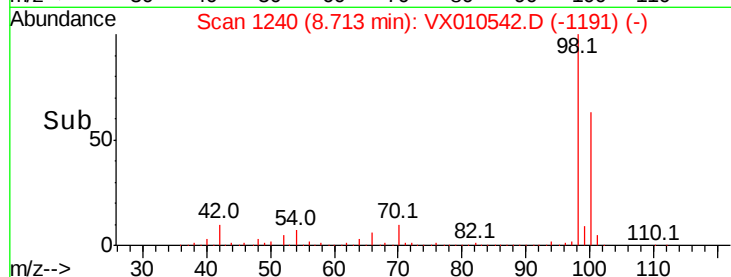
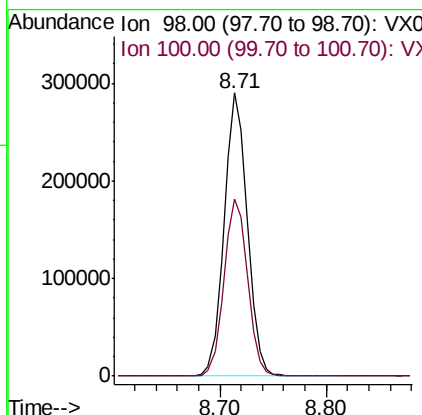
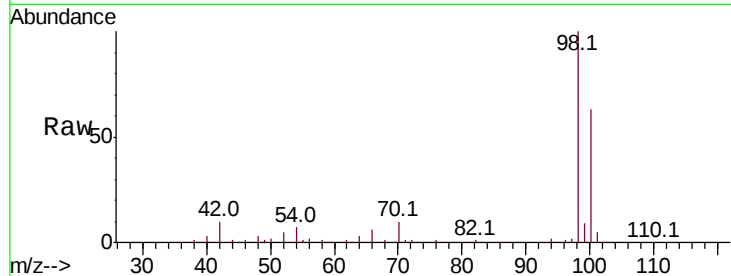
#50
Toluene-d8
Concen: 50.969 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010542.D
Acq: 28 Jun 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
FL-0577DL

Tot Ion: 98 Resp: 440823
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

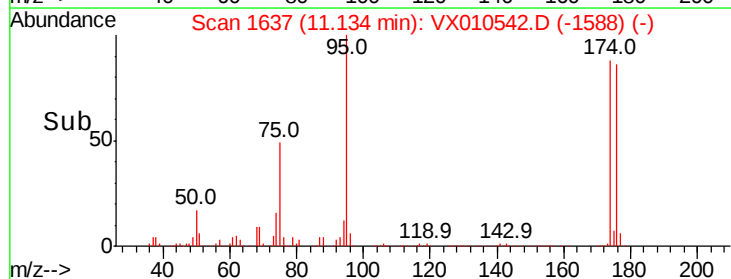
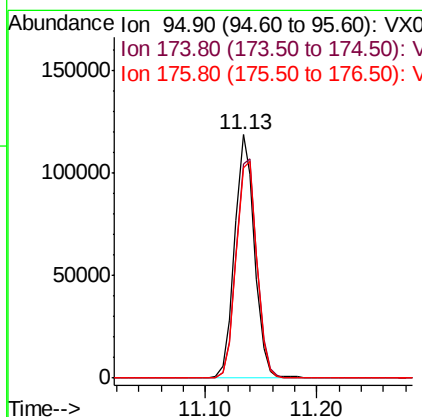
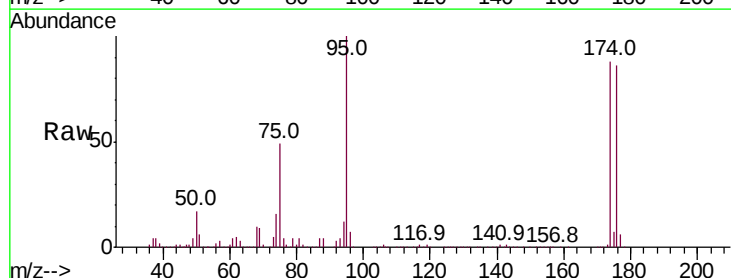
Manual Integrations
APPROVED

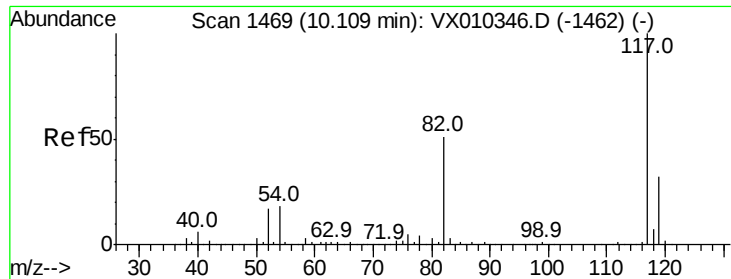
MMDadoda
7/1/2019 11:36:08 AM



#62
4-Bromofluorobenzene
Concen: 46.965 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010542.D
Acq: 28 Jun 2019 18:08

Tgt Ion: 95 Resp: 146645
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.6
176 92.9 0.0 184.0





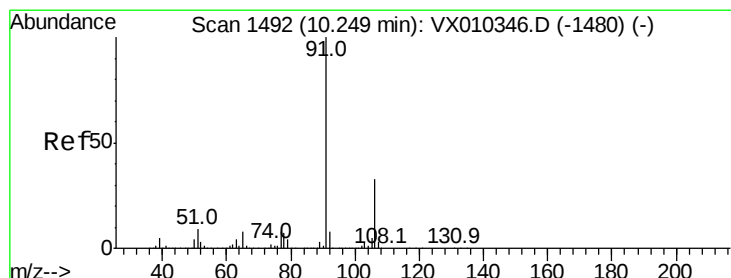
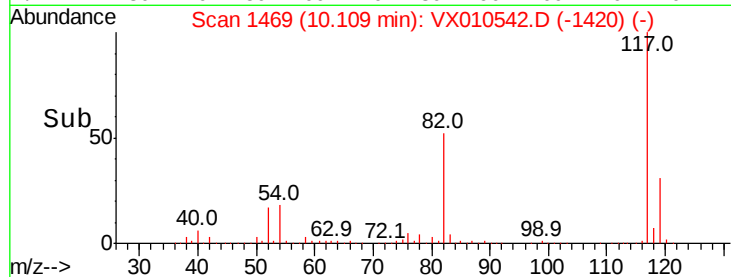
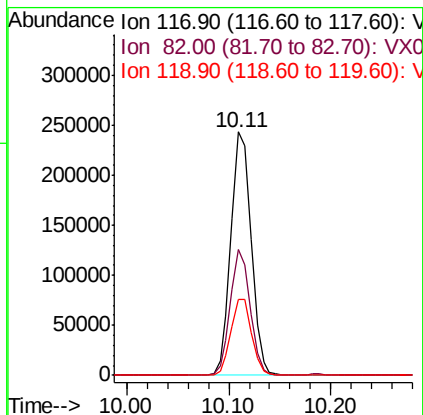
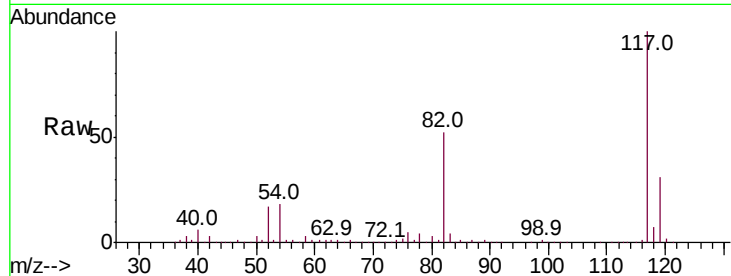
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010542.D
Acq: 28 Jun 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
FL-0577DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.2	61.8
119	31.0	25.5	38.3

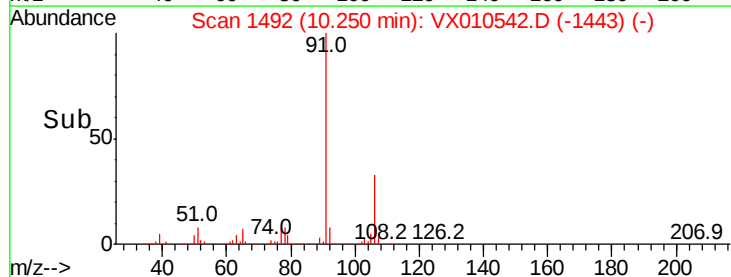
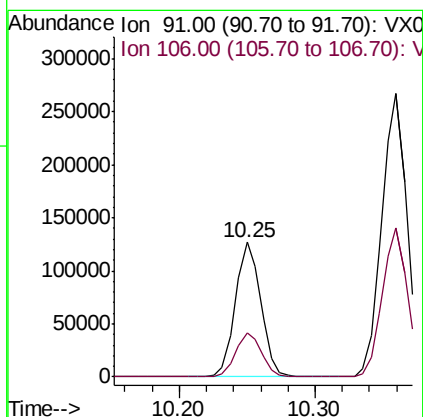
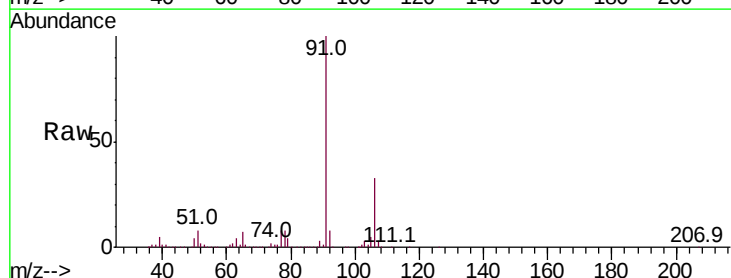
Manual Integrations
APPROVED

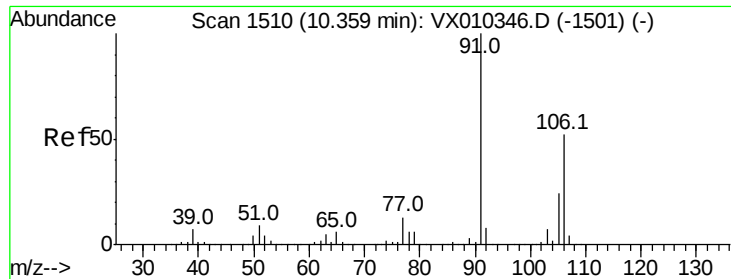
MMDadoda
7/1/2019 11:36:08 AM



#67
Ethyl Benzene
Concen: 14.451 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010542.D
Acq: 28 Jun 2019 18:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.2	26.2	39.2





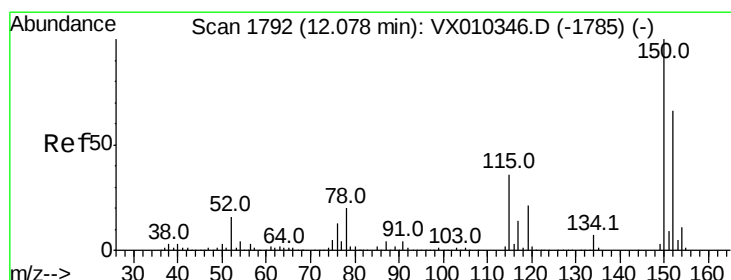
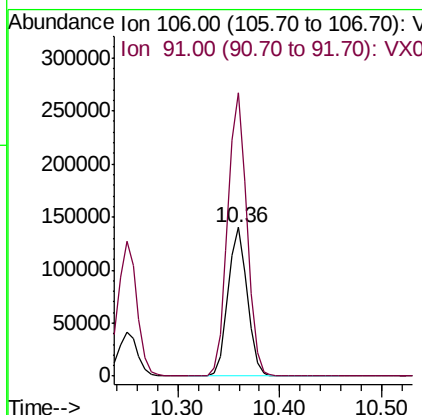
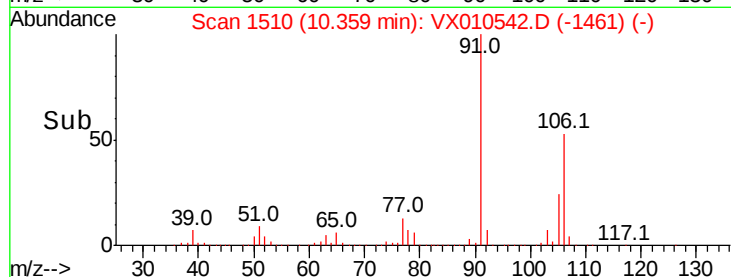
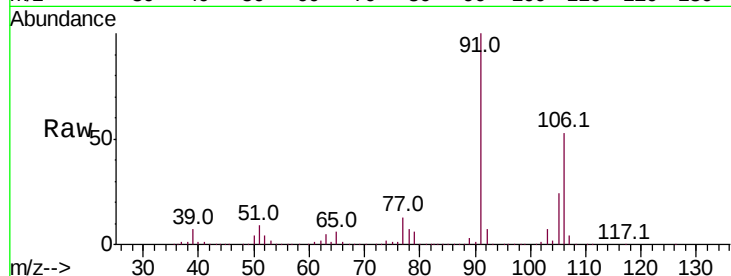
#68
m/p-Xvlenes
Concen: 40.788 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010542.D
Acq: 28 Jun 2019 18:08

Instrument :
MSVOA_X
ClientSampled :
FL-0577DL

Tot Ion:106 Resp: 181368
Ion Ratio Lower Upper
106 100
91 191.5 155.3 232.9

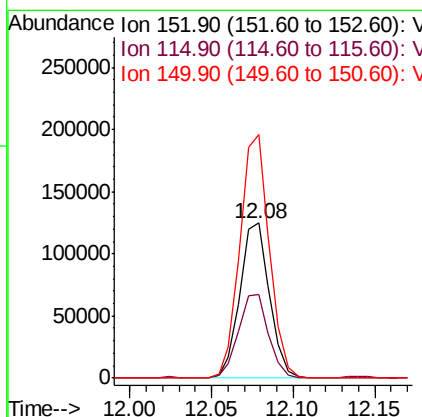
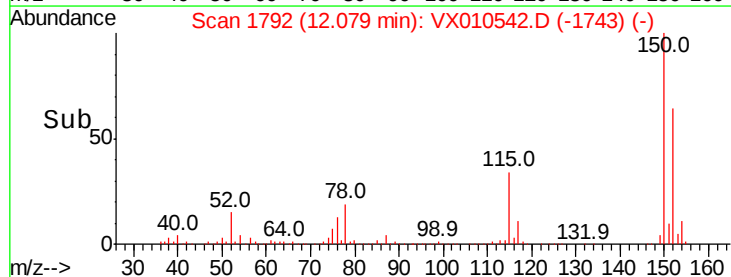
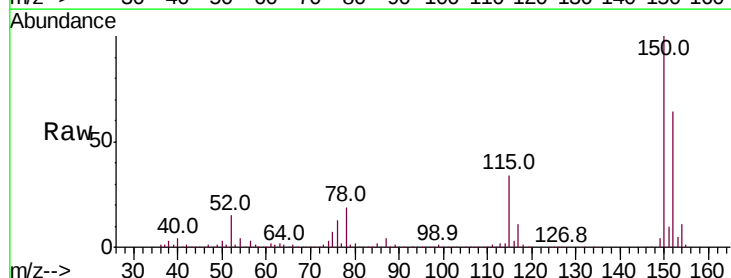
Manual Integrations
APPROVED

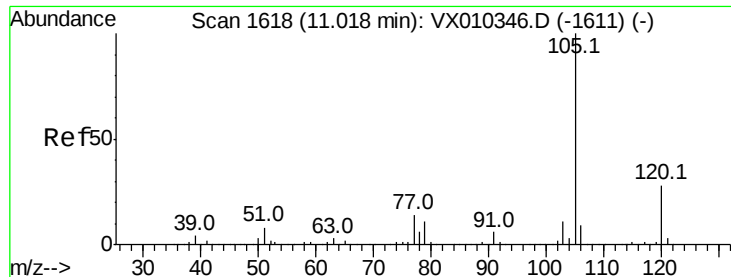
MMDadoda
7/1/2019 11:36:08 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010542.D
Acq: 28 Jun 2019 18:08

Tgt Ion:152 Resp: 158086
Ion Ratio Lower Upper
152 100
115 54.5 38.6 115.7
150 156.0 0.0 347.4





#73

Isopropylbenzene

Concen: 3.075 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

FL-0577DL

Tot Ion: 105 Resp: 32950

Ion Ratio Lower Upper

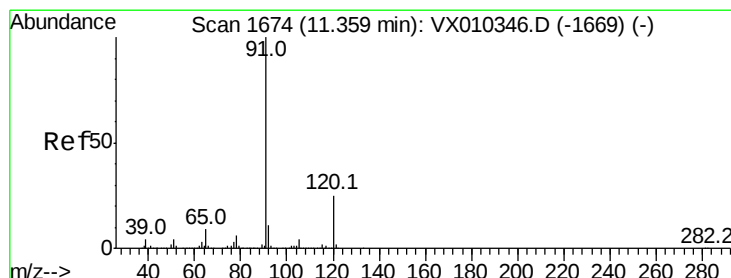
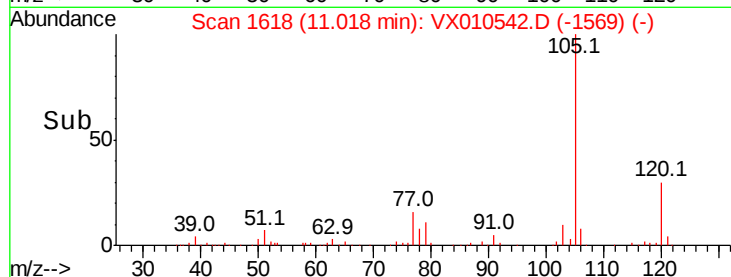
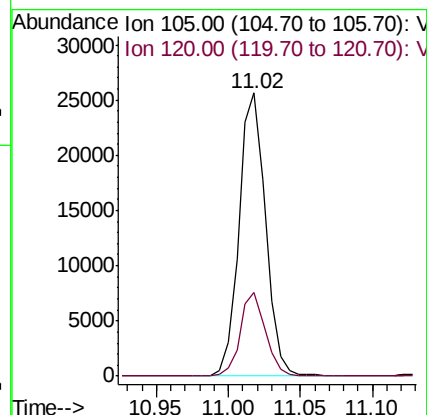
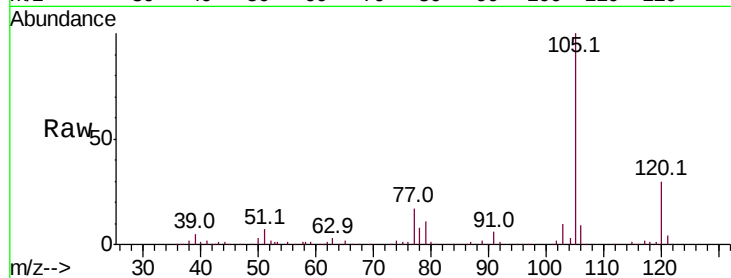
105 100

120 28.0 14.1 42.4

Manual Integrations
APPROVED

MMDadoda

7/1/2019 11:36:08 AM



#78

n-propylbenzene

Concen: 3.853 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010542.D

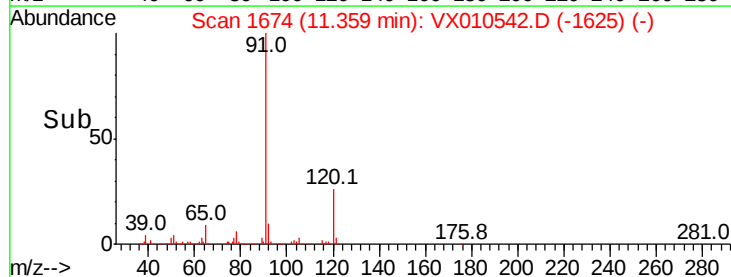
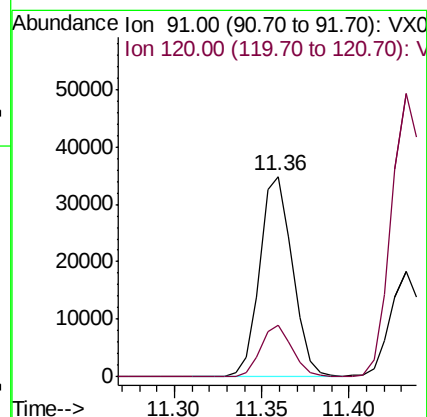
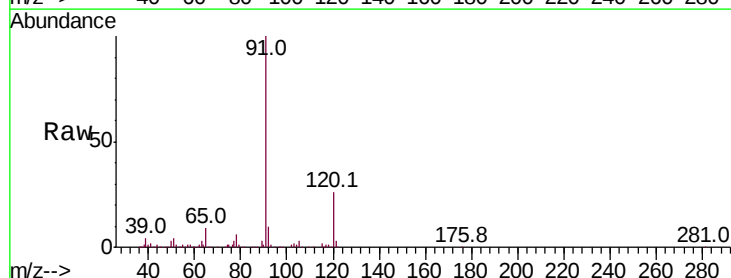
Acq: 28 Jun 2019 18:08

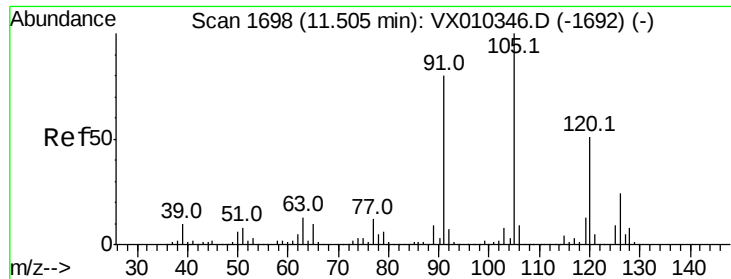
Tgt Ion: 91 Resp: 45385

Ion Ratio Lower Upper

91 100

120 24.9 12.4 37.4





#80

1,3,5-Trimethylbenzene

Concen: 15.138 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

Instrument :

MSVOA_X

ClientSampled :

FL-0577DL

Tot Ion:105 Resp: 133736

Ion Ratio Lower Upper

105 100

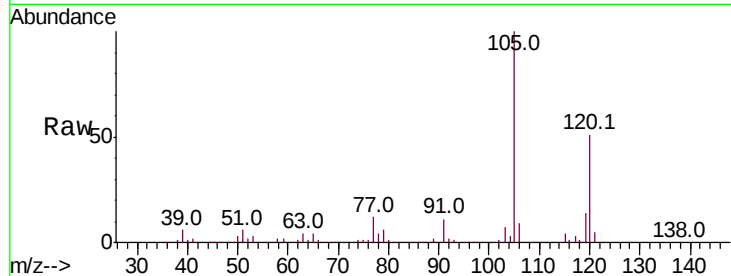
120 50.5 25.2 75.6

Manual Integrations

APPROVED

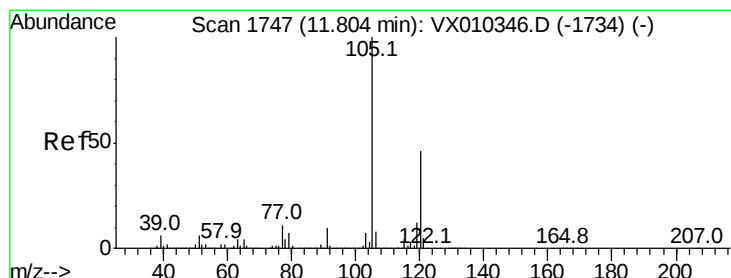
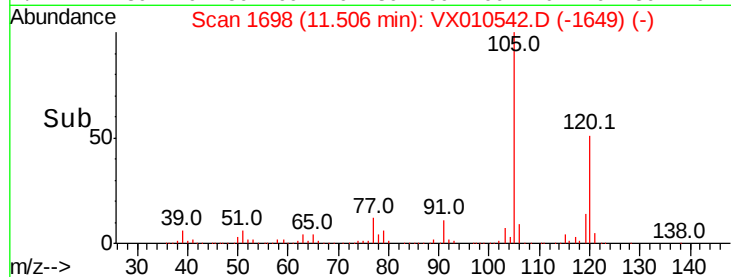
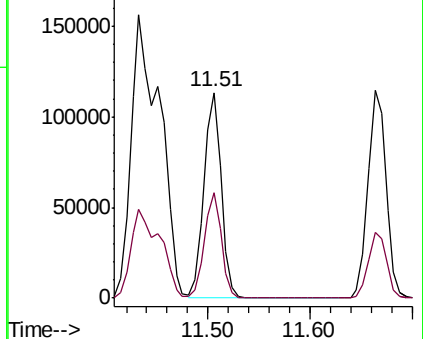
MMDadoda

7/1/2019 11:36:08 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 28.722 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010542.D

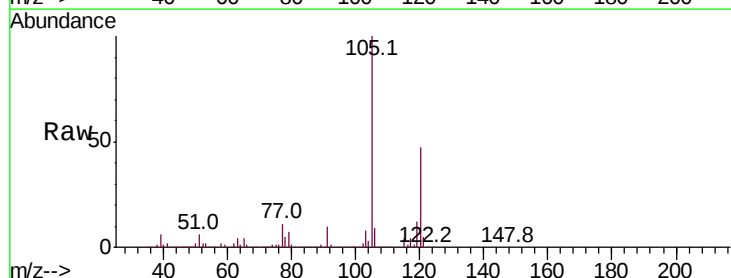
Acq: 28 Jun 2019 18:08

Tgt Ion:105 Resp: 254924

Ion Ratio Lower Upper

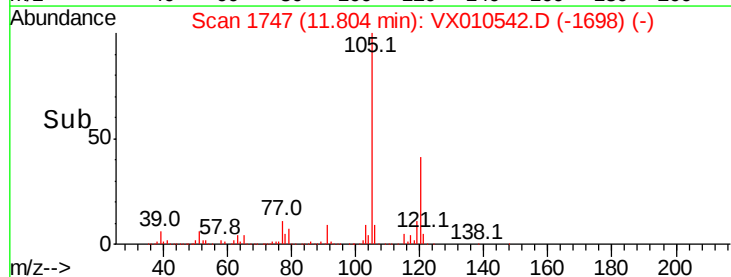
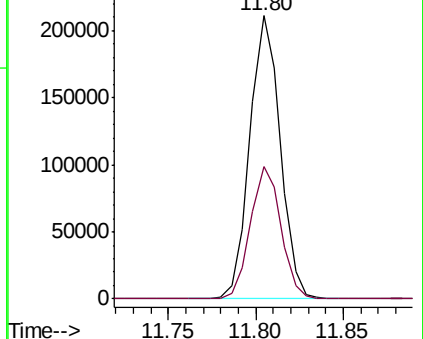
105 100

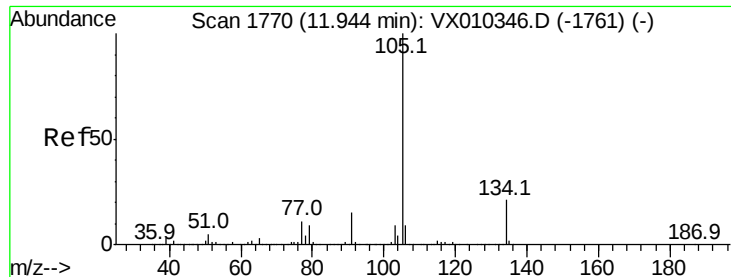
120 47.0 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.547 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

Instrument :

MSVOA_X

ClientSampled :

FL-0577DL

Tot Ion:105 Resp: 5698

Ion Ratio Lower Upper

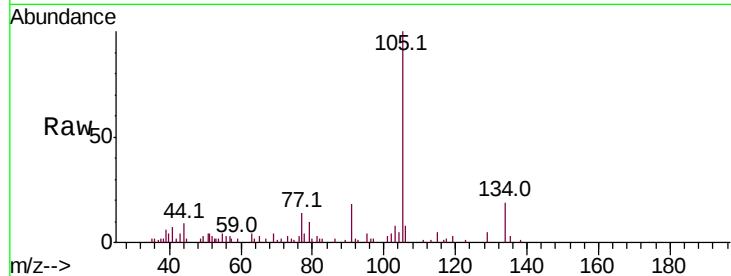
105 100

134 0.0 10.7 31.9#

Manual Integrations
APPROVED

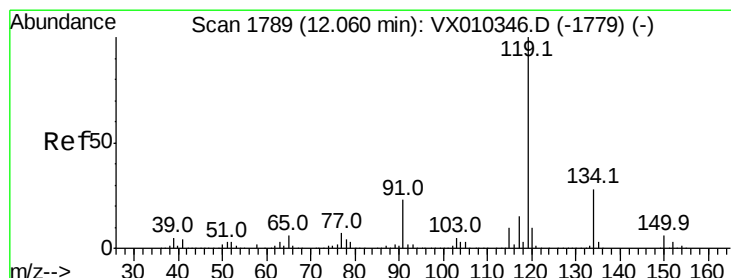
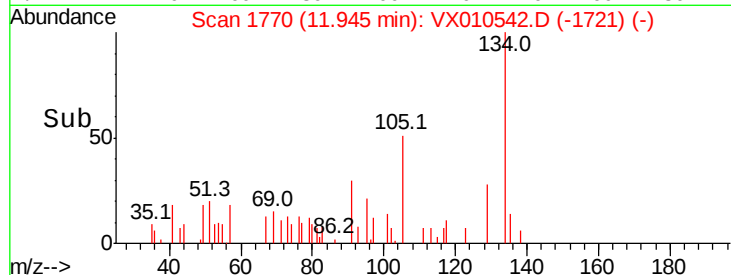
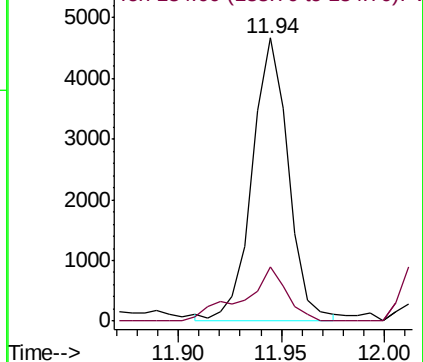
MMDadoda

7/1/2019 11:36:08 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.017 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010542.D

Acq: 28 Jun 2019 18:08

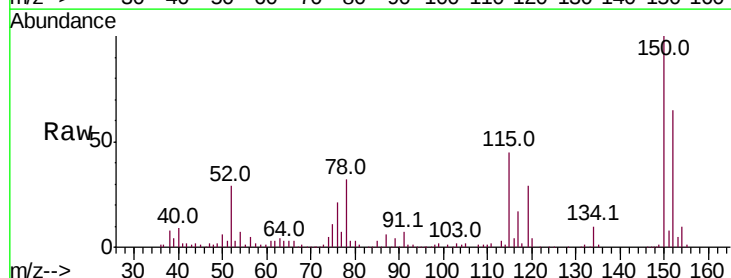
Tgt Ion:119 Resp: 9789

Ion Ratio Lower Upper

119 100

134 32.7 13.7 41.1

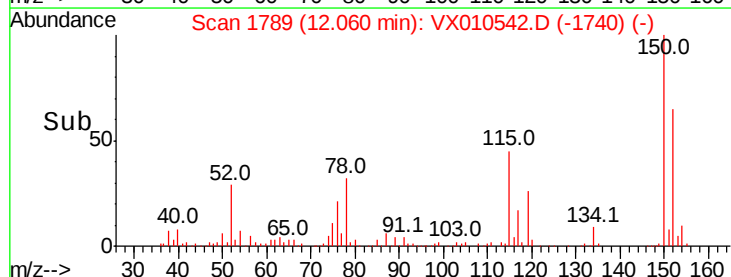
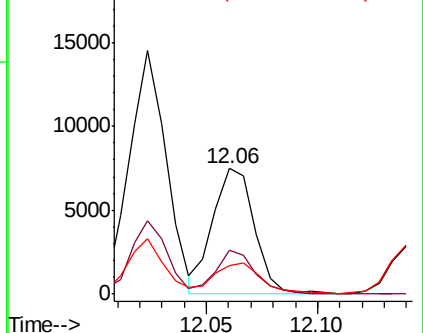
91 26.7 11.3 33.8

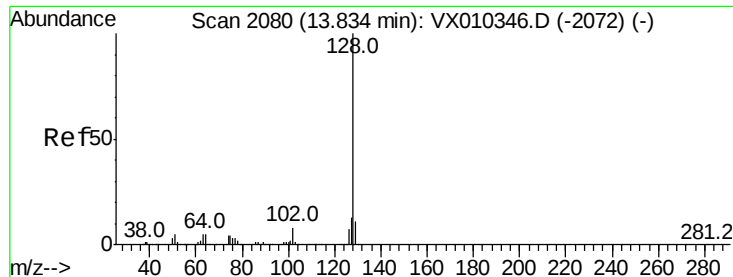


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#95
Naphthalene
Concen: 8.441 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010542.D
Acq: 28 Jun 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
FL-0577DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/1/2019 11:36:08 AM

