

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010361.D
 Acq On : 20 Jun 2019 16:48
 Operator : JC/SP
 Sample : K3469-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-3-9.0-061919

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 11:35:12 AM

Quant Time: Jun 21 02:01:17 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	309564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	471427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	412484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196870	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	142425	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	5.50	113	143663	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	8.71	98	556202	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	183329	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	27930	19.201	ug/l	95
31) Cyclohexane	5.58	56	9538	2.275	ug/l #	81
39) Methylcyclohexane	7.46	83	24757	5.028	ug/l	96
40) Benzene	6.15	78	3106	0.266	ug/l	98
73) Isopropylbenzene	11.02	105	319133	23.913	ug/l	100
78) n-propylbenzene	11.36	91	1138999	77.657	ug/l	100
83) tert-Butylbenzene	11.77	119	43466	3.936	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	5636m	0.510	ug/l	
85) sec-Butylbenzene	11.94	105	325064	25.072	ug/l	96
89) n-Butylbenzene	12.38	91	218677	21.459	ug/l #	85
95) Naphthalene	13.83	128	10783	0.783	ug/l #	85

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

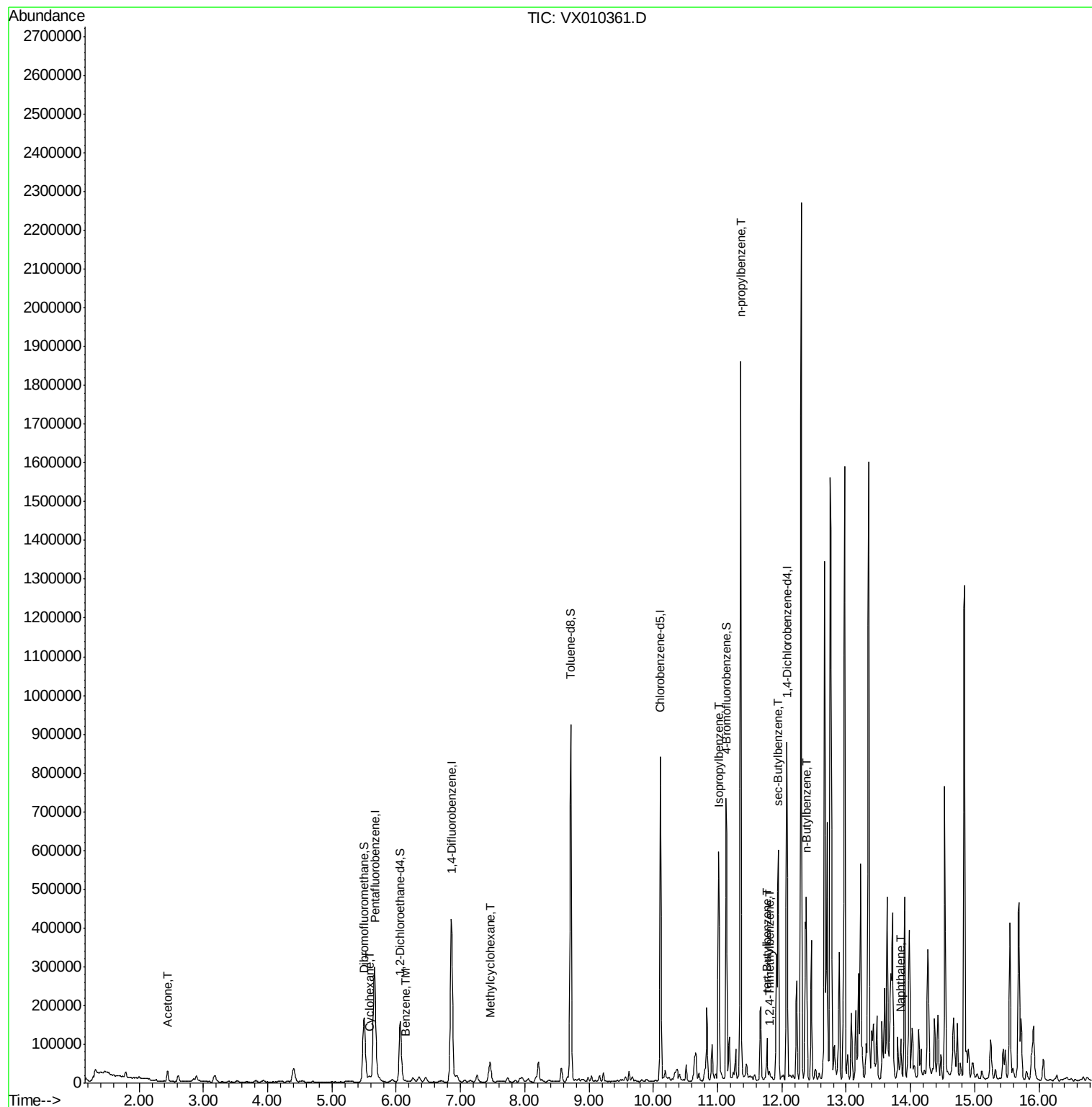
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010361.D
Acq On : 20 Jun 2019 16:48
Operator : JC/SP
Sample : K3469-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

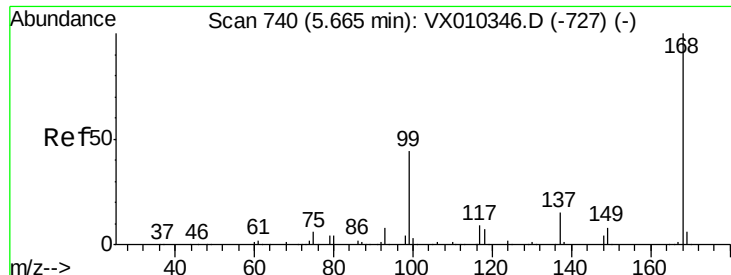
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-061919

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:35:12 AM

Quant Time: Jun 21 02:01:17 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: VX010361.D

Acq: 20 Jun 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-3-9.0-061919

Tot Ion:168 Resp: 309564

Ion Ratio Lower Upper

168 100

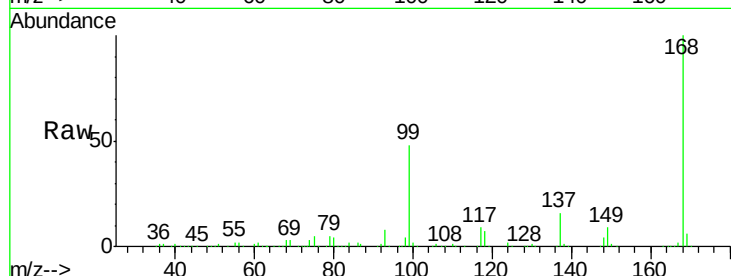
99 48.4 35.5 53.3

Manual Integrations

APPROVED

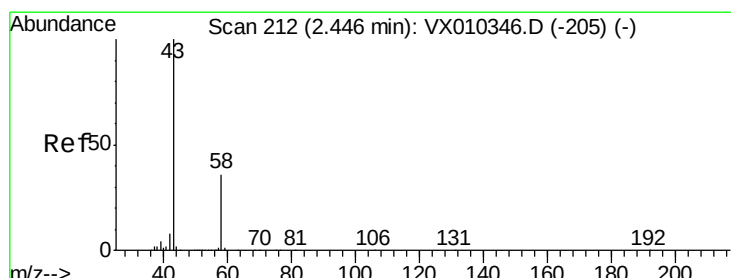
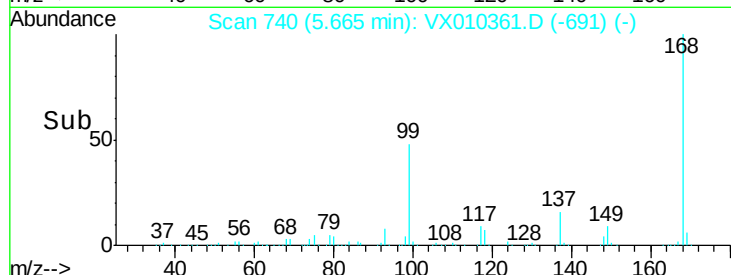
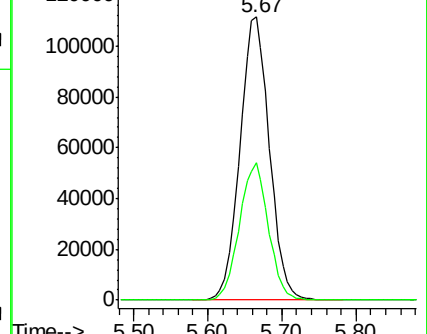
MMDadoda

6/21/2019 11:35:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 19.201 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010361.D

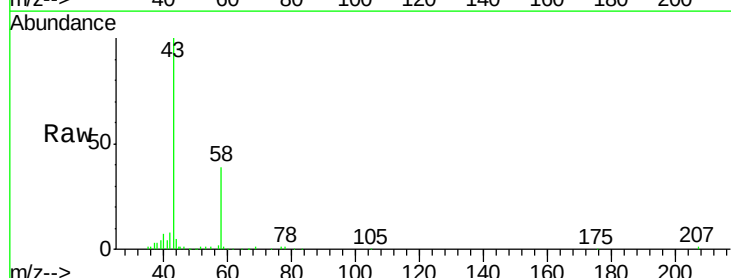
Acq: 20 Jun 2019 16:48

Tgt Ion: 43 Resp: 27930

Ion Ratio Lower Upper

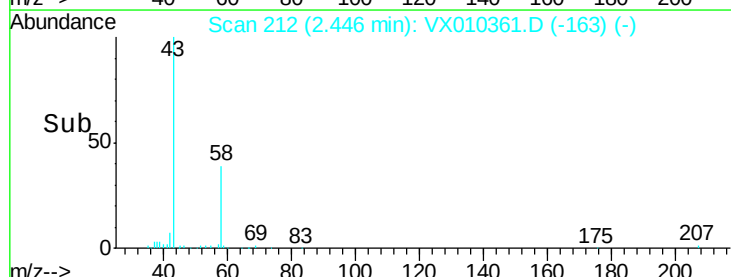
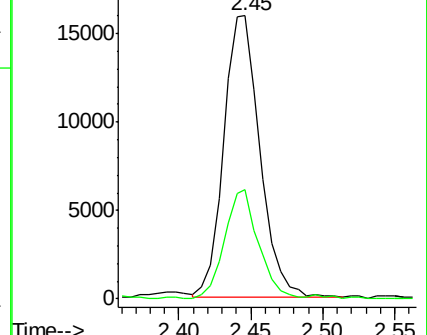
43 100

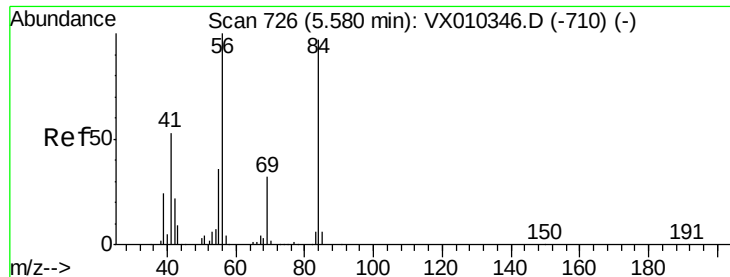
58 39.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





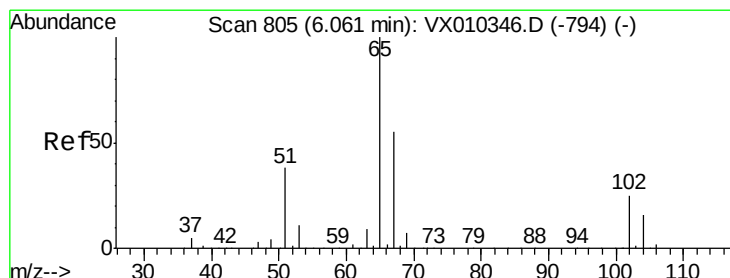
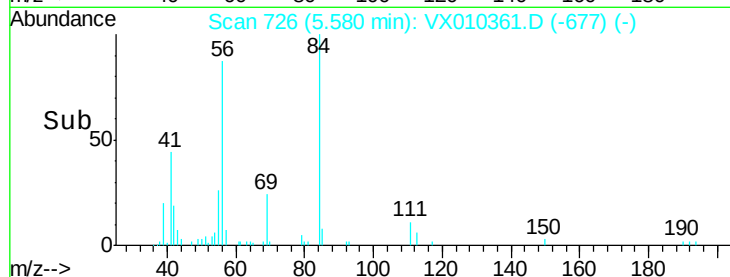
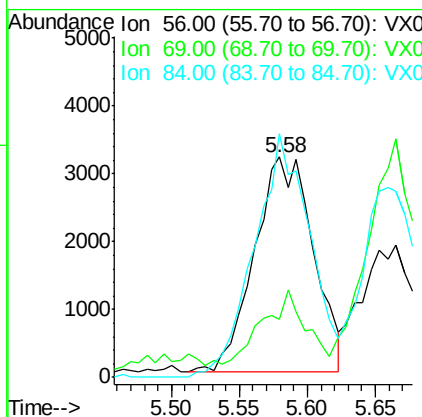
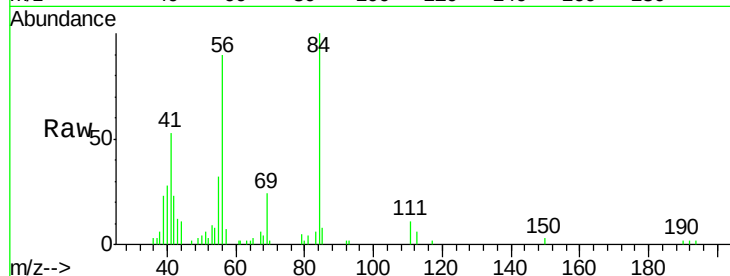
#31
Cyclohexane
Concen: 2.275 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-061919

Tot Ion	Ratio	Lower	Upper
56	100		
69	16.5	25.9	38.9#
84	113.6	78.0	117.0

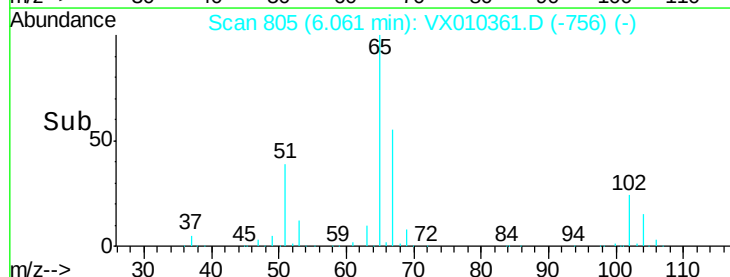
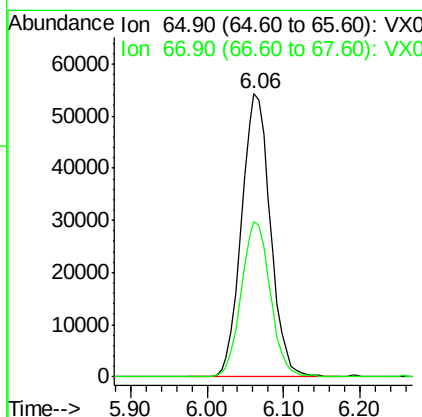
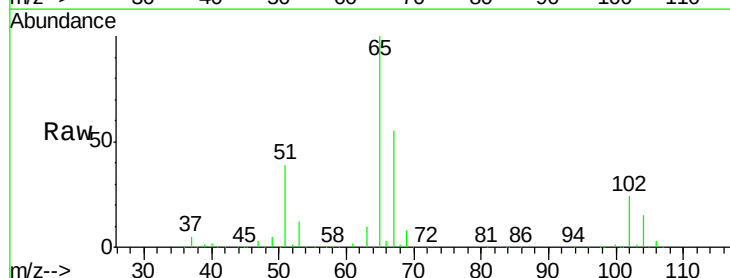
Manual Integrations
APPROVED

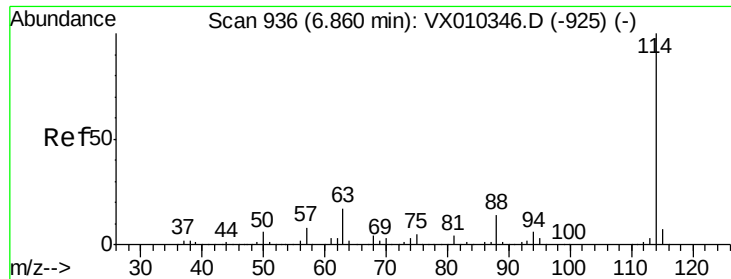
MMDadoda
6/21/2019 11:35:12 AM



#33
1,2-Dichloroethane-d4
Concen: 49.070 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	110.2





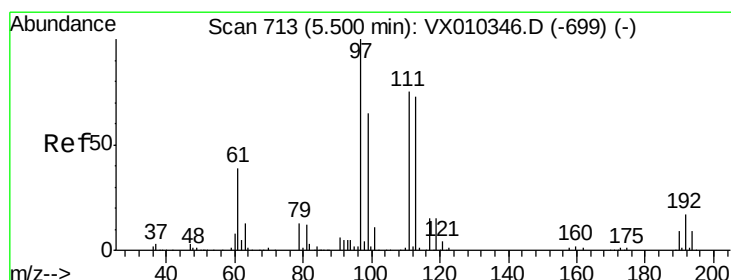
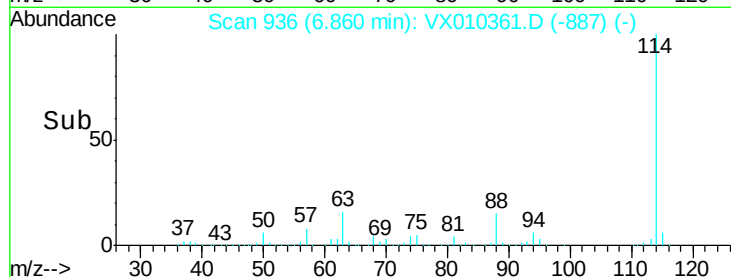
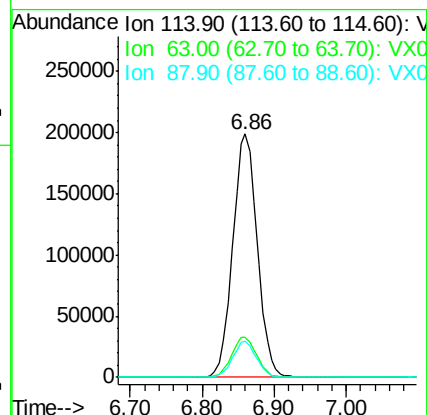
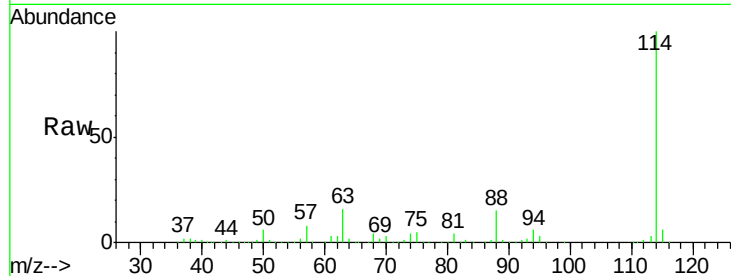
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
114	100	471427		
63	16.5	0.0	33.8	
88	14.7	0.0	27.6	

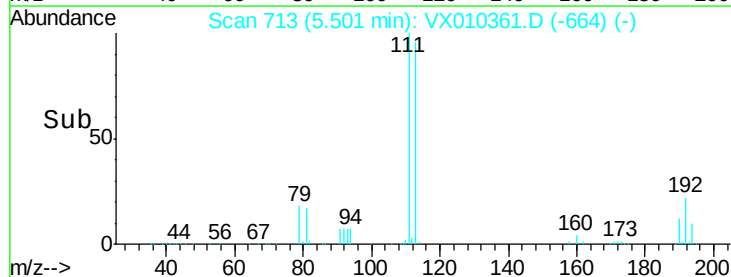
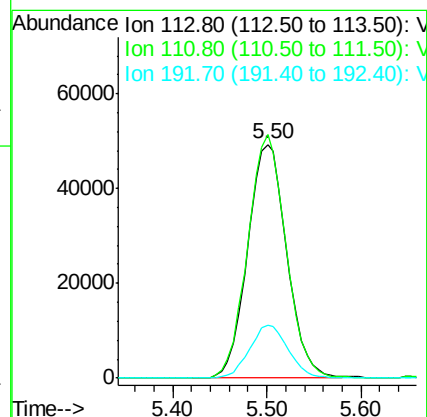
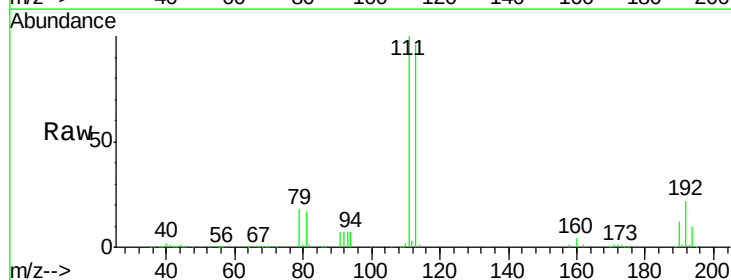
Manual Integrations
APPROVED

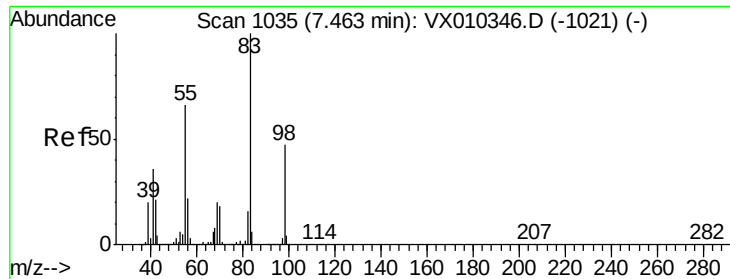
MMDadoda
6/21/2019 11:35:12 AM



#35
Dibromofluoromethane
Concen: 49.808 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	143663		
111	101.9	81.2	121.8	
192	22.4	18.6	27.8	





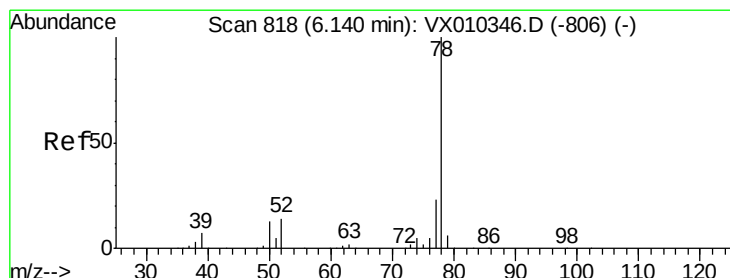
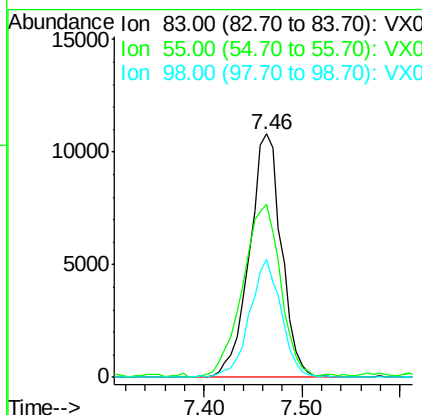
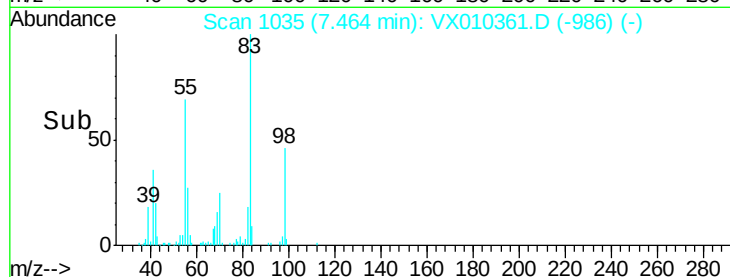
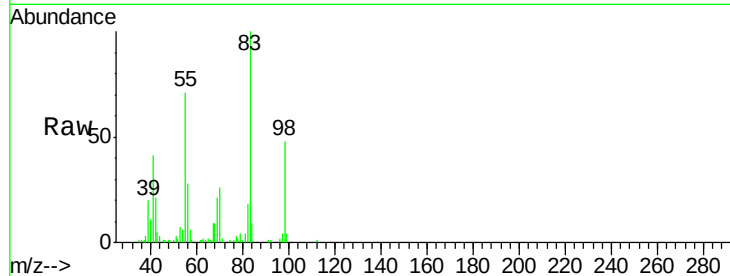
#39
Methylvlcyclohexane
Concen: 5.028 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-061919

Tot Ion	83	Resp	24757
Ion	Ratio	Lower	Upper
83	100		
55	71.3	53.0	79.6
98	48.5	37.8	56.8

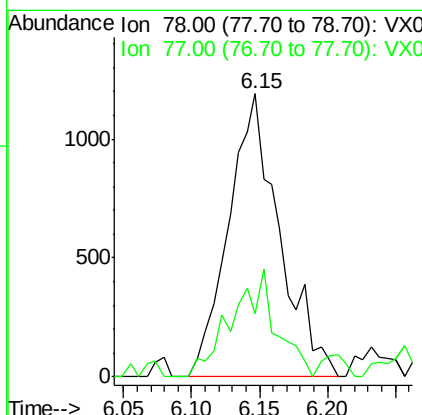
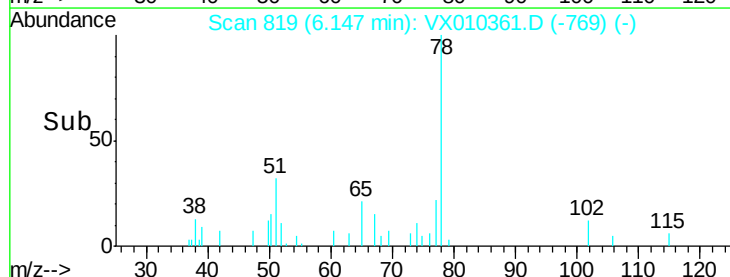
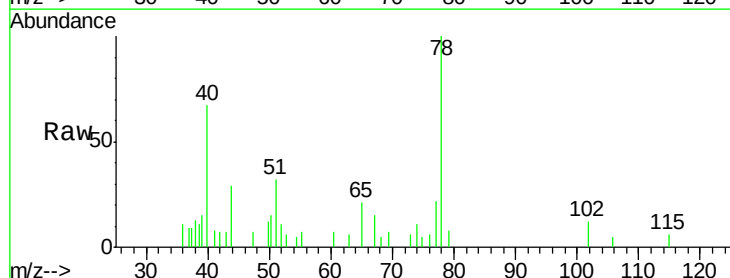
Manual Integrations
APPROVED

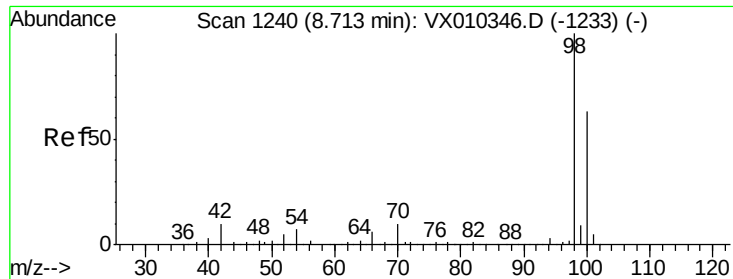
MMDadoda
6/21/2019 11:35:12 AM



#40
Benzene
Concen: 0.266 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Tgt Ion	78	Resp	3106
Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.6	28.0





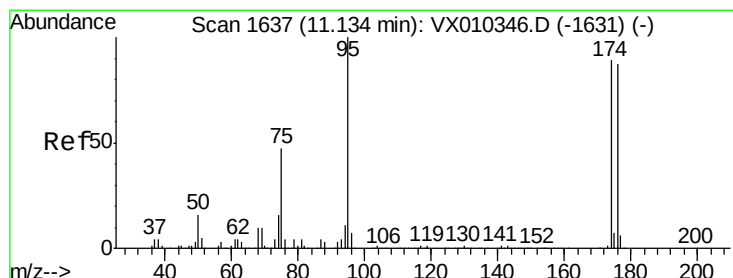
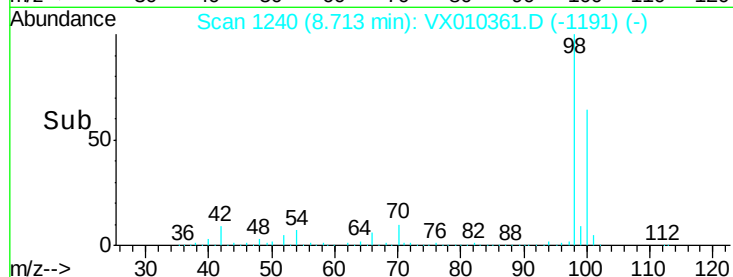
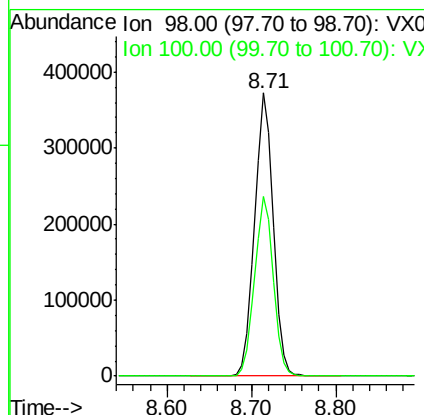
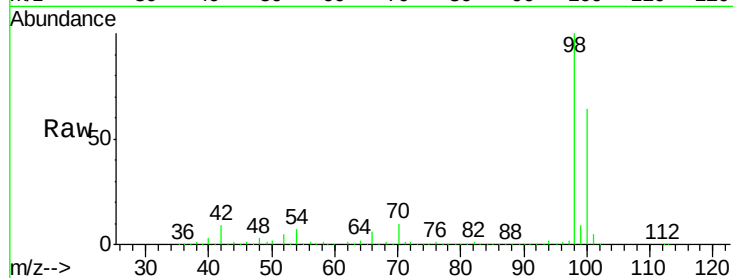
#50
Toluene-d8
Concen: 50.403 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-061919

Tot Ion: 98 Resp: 556202
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

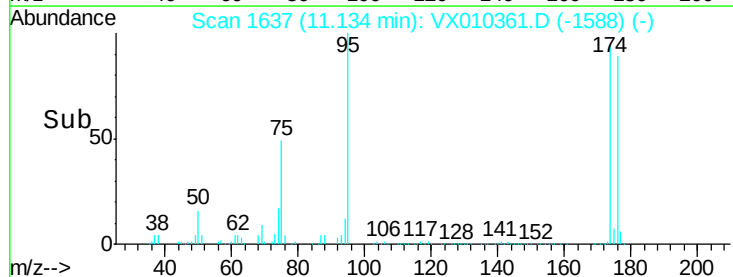
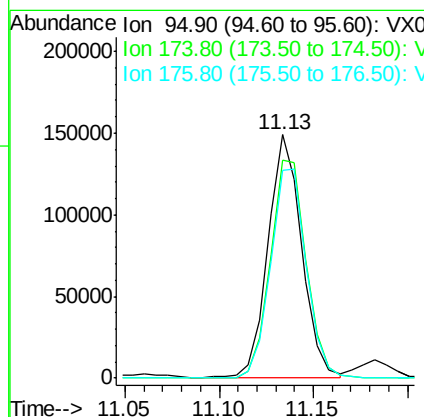
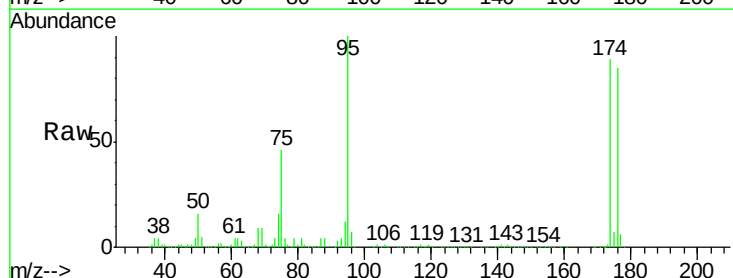
Manual Integrations
APPROVED

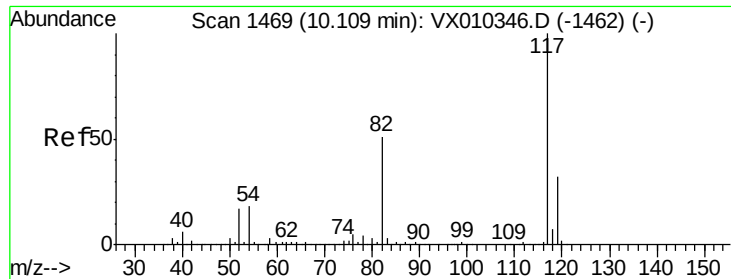
MMDadoda
6/21/2019 11:35:12 AM



#62
4-Bromofluorobenzene
Concen: 46.017 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Tgt Ion: 95 Resp: 183329
Ion Ratio Lower Upper
95 100
174 95.9 0.0 187.6
176 92.0 0.0 184.0





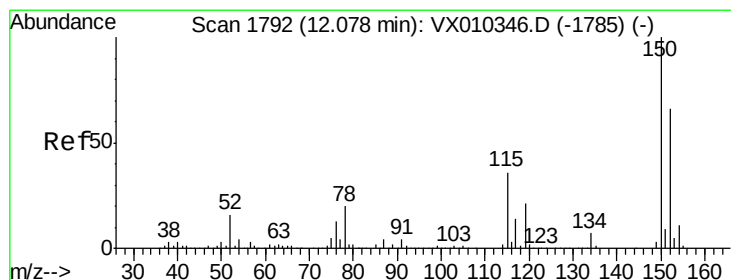
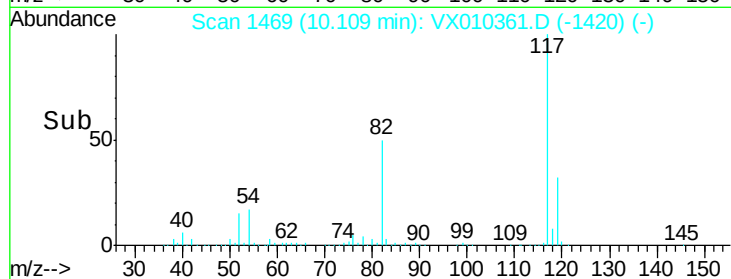
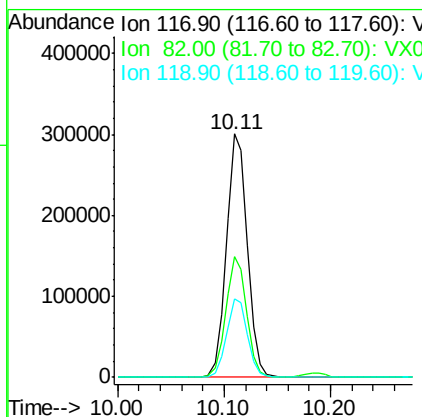
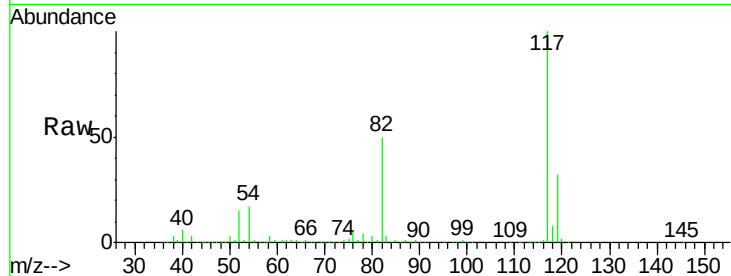
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-061919

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.2	61.8
119	32.4	25.5	38.3

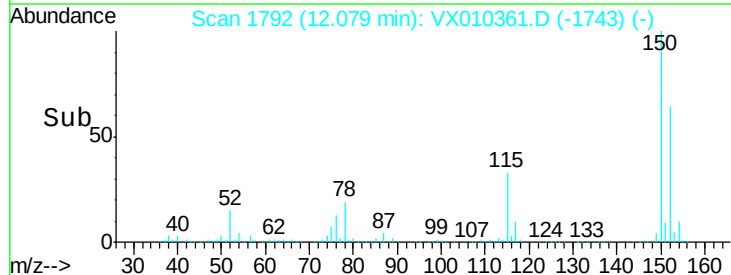
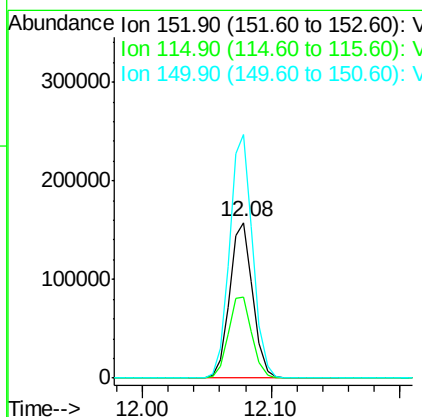
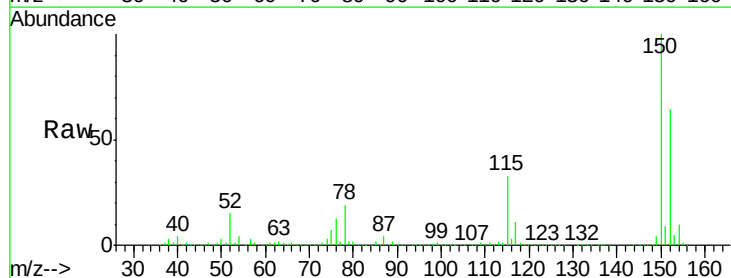
Manual Integrations
APPROVED

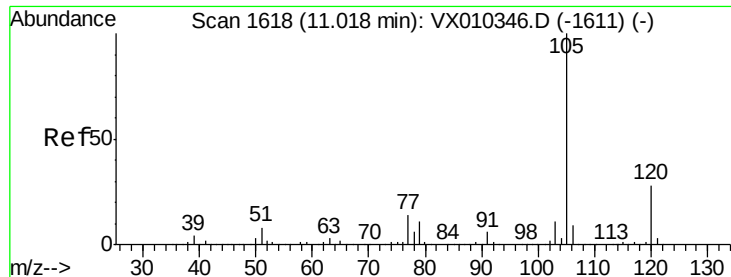
MMDadoda
6/21/2019 11:35:12 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	38.6	115.7
150	157.4	0.0	347.4





#73

Isopropylbenzene

Concen: 23.913 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010361.D

Acq: 20 Jun 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-3-9.0-061919

Tot Ion: 105 Resp: 319133

Ion Ratio Lower Upper

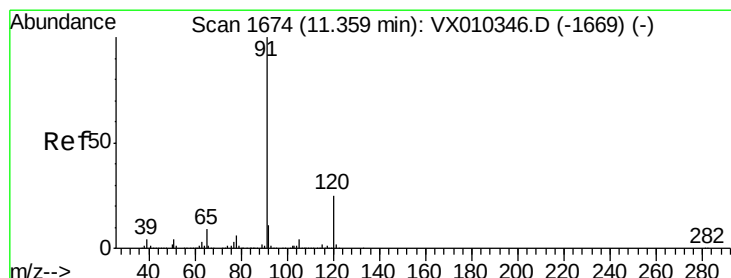
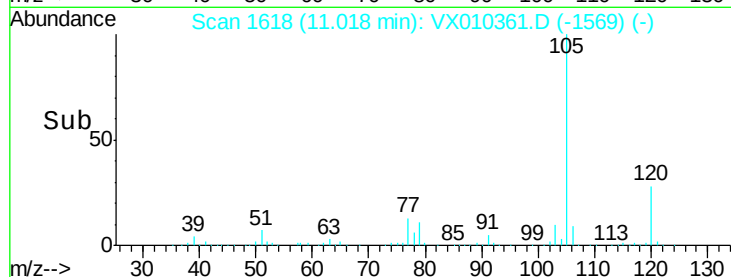
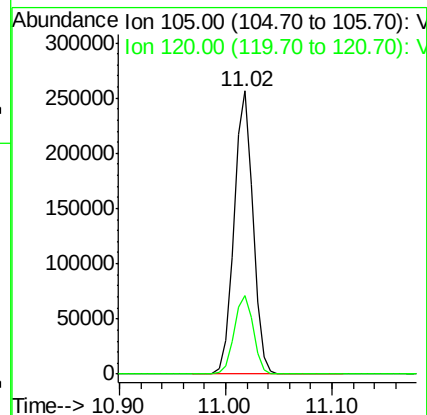
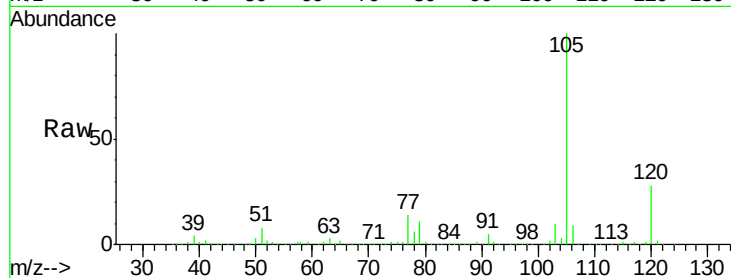
105 100

120 28.3 14.1 42.4

Manual Integrations
APPROVED

MMDadoda

6/21/2019 11:35:12 AM



#78

n-propylbenzene

Concen: 77.657 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010361.D

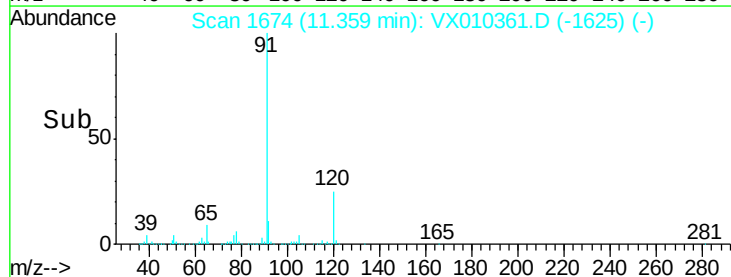
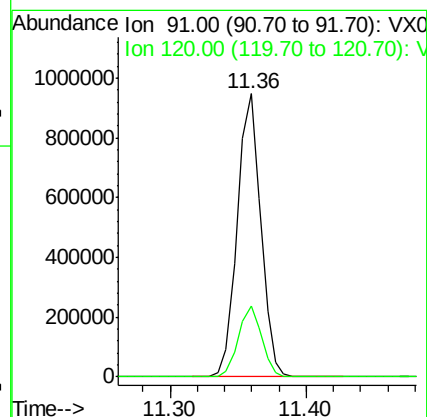
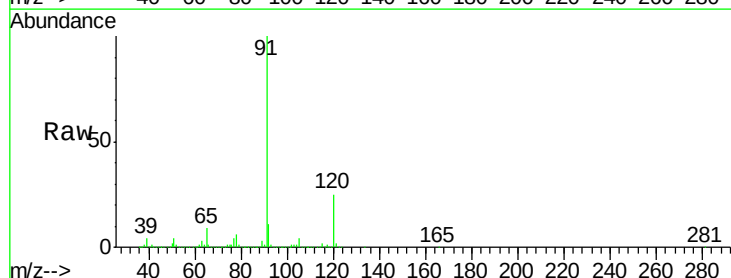
Acq: 20 Jun 2019 16:48

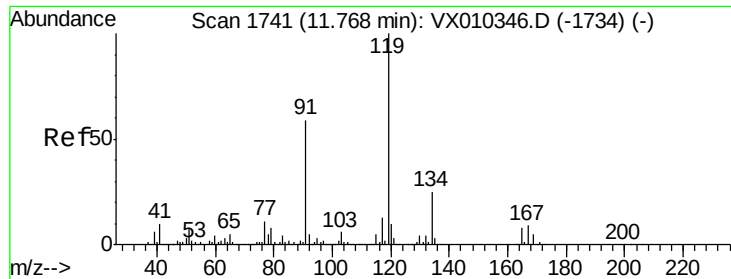
Tgt Ion: 91 Resp: 1138999

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4





#83

tert-Butylbenzene

Concen: 3.936 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010361.D

Acq: 20 Jun 2019 16:48

Instrument :

MSVOA_X

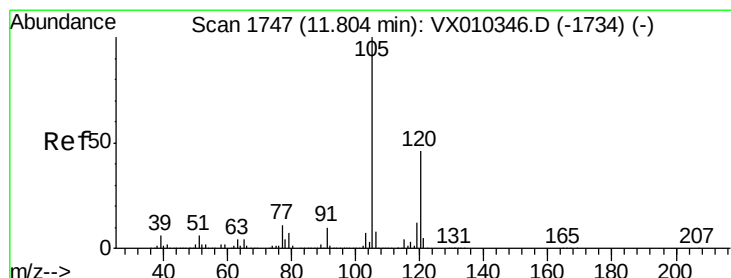
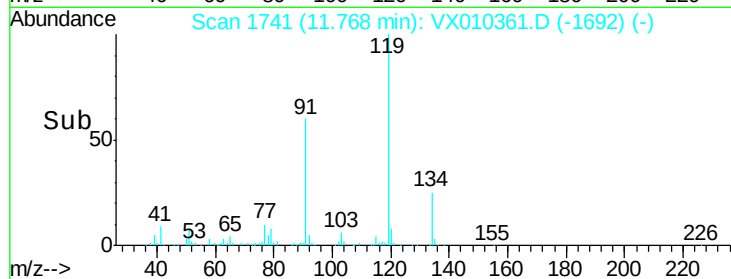
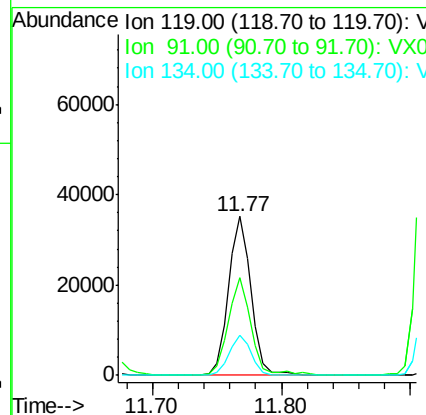
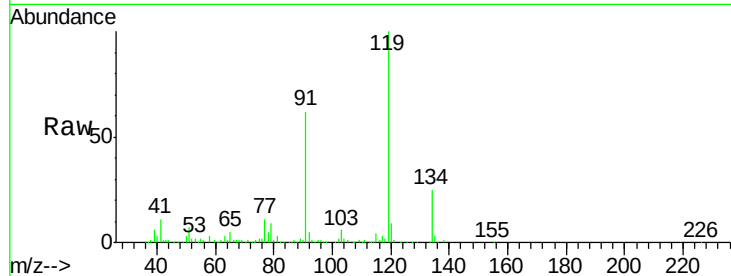
ClientSampleId :

T3-MW-3-9.0-061919

Tot Ion:	119	Resp:	43466
Ion Ratio	Lower	Upper	
119	100		
91	60.4	27.6	82.7
134	24.5	11.8	35.4

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:35:12 AM



#84

1,2,4-Trimethylbenzene

Concen: 0.510 ug/l m

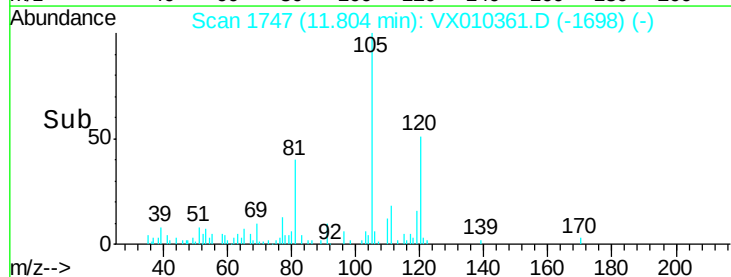
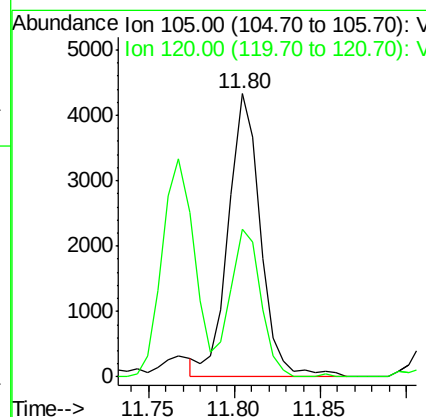
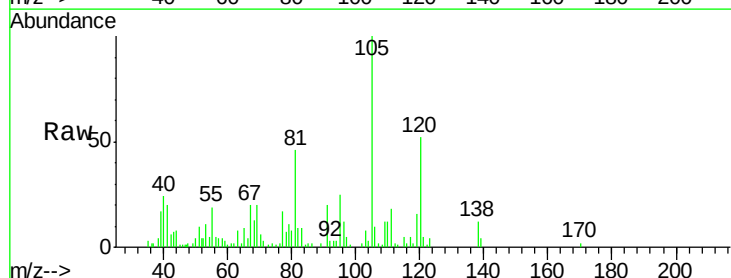
RT: 11.80 min Scan# 1747

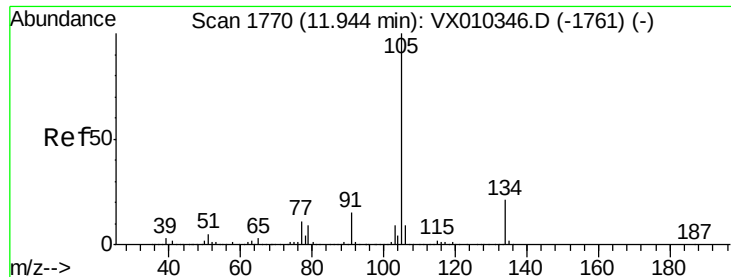
Delta R.T. 0.00 min

Lab File: VX010361.D

Acq: 20 Jun 2019 16:48

Tgt Ion:	105	Resp:	5636
Ion Ratio	Lower	Upper	
105	100		
120	332.7	23.1	69.2#





#85

sec-Butylbenzene

Concen: 25.072 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010361.D

Acq: 20 Jun 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-3-9.0-061919

Tot Ion:105 Resp: 325064

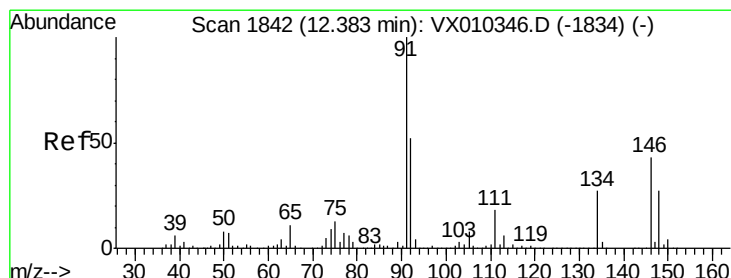
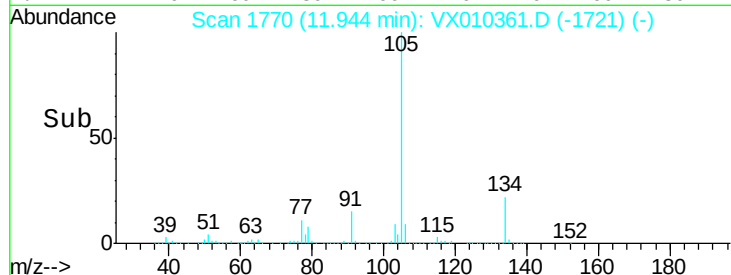
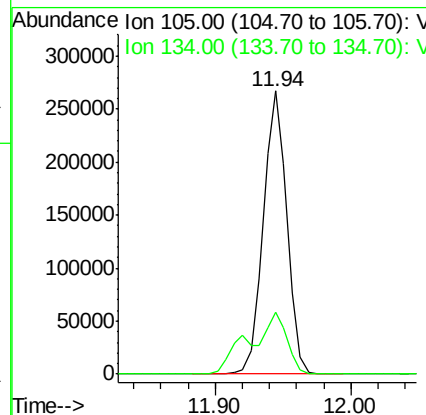
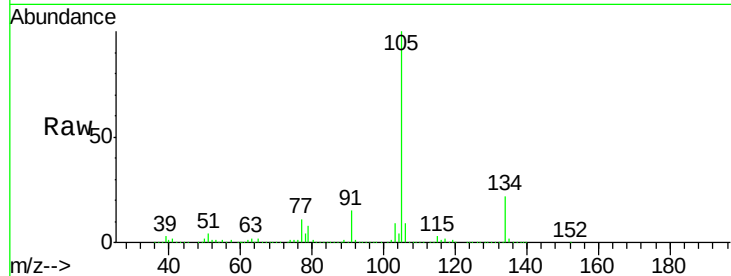
Ion Ratio Lower Upper

105 100

134 19.2 10.7 31.9

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:35:12 AM



#89

n-Butylbenzene

Concen: 21.459 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010361.D

Acq: 20 Jun 2019 16:48

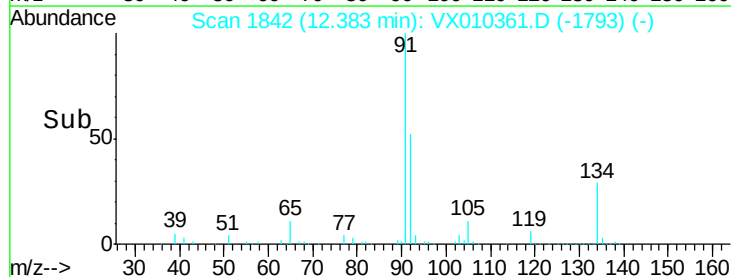
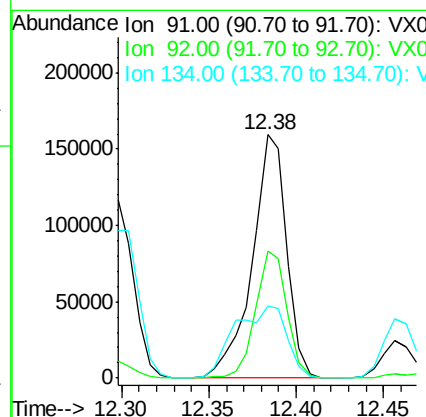
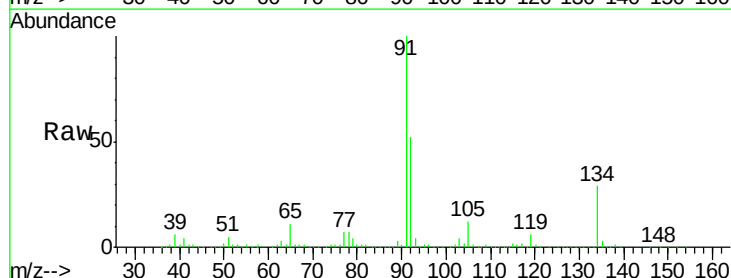
Tgt Ion: 91 Resp: 218677

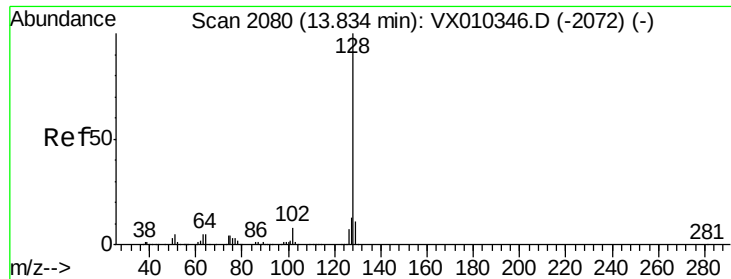
Ion Ratio Lower Upper

91 100

92 47.6 26.2 78.5

134 44.8 14.1 42.4#





#95
Naphthalene
Concen: 0.783 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010361.D
Acq: 20 Jun 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-061919

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.5	10.2	15.4#
129	17.3	8.9	13.3#

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:35:12 AM

