

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002918.D
 Acq On : 27 Jun 2018 02:22
 Operator : JC/MD
 Sample : J3707-12 50X
 Misc : 5.91g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB480-21-23-180622

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 3:12:11 PM

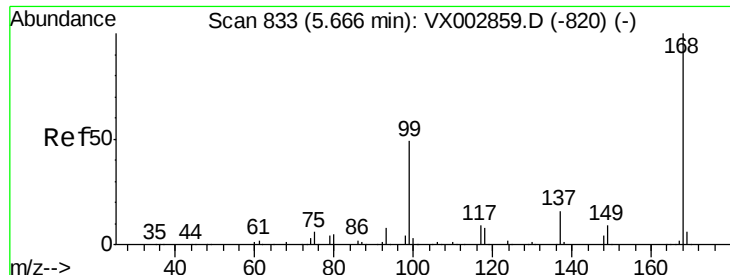
Quant Time: Jun 27 04:52:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209187	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	181829	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.72%		
35) Dibromofluoromethane	5.51	113	143464	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.48%		
50) Toluene-d8	8.72	98	531113	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.82%		
62) 4-Bromofluorobenzene	11.14	95	199008	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	1347	6.62	ug/l #	94
27) cis-1,2-Dichloroethene	4.60	96	142210	43.85	ug/l	85
31) Cyclohexane	5.57	56	1762	0.38	ug/l	88
39) Methylcyclohexane	7.46	83	7256	1.51	ug/l	94
73) Isopropylbenzene	11.02	105	7216	0.51	ug/l	99
78) n-propylbenzene	11.37	91	9352	0.58	ug/l	99
83) tert-Butylbenzene	11.77	119	7986	0.68	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	9904	0.81	ug/l	97
85) sec-Butylbenzene	11.95	105	21594	1.52	ug/l #	56
86) p-Isopropyltoluene	12.07	119	18855	1.48	ug/l	97
89) n-Butylbenzene	12.39	91	18100m	1.63	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	5194	0.70	ug/l #	83

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002918.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

WP021SB480-21-23-180622

Tot Ion:168 Resp: 269256

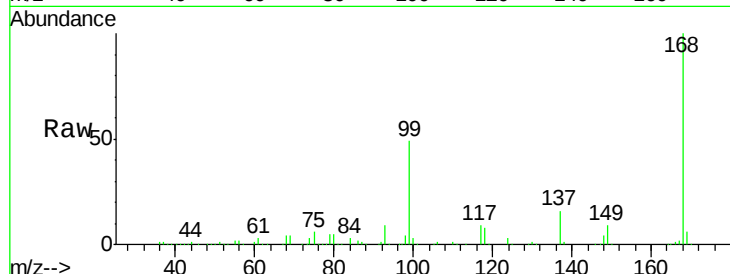
Ion Ratio Lower Upper

168 100

99 49.2 39.3 58.9

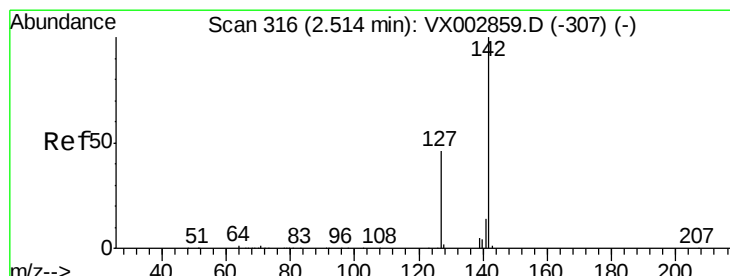
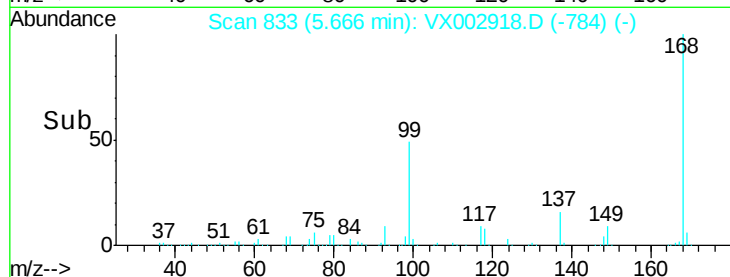
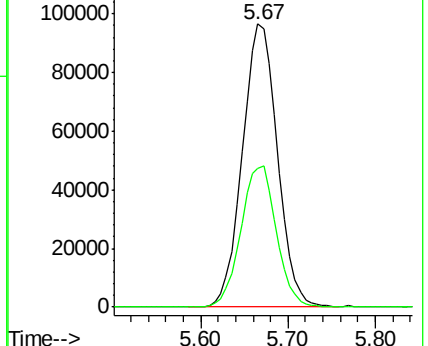
Manual Integrations
APPROVED

MMDadoda
6/28/2018 3:12:11 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 6.62 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002918.D

Acq: 27 Jun 2018 02:22

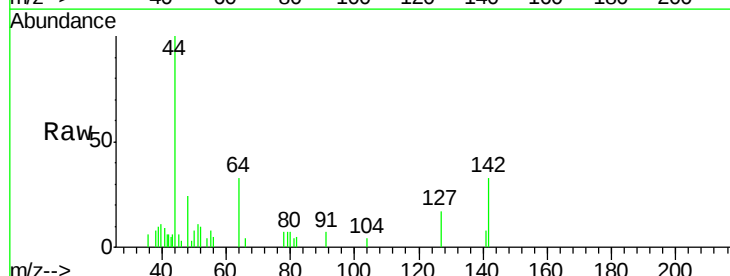
Tgt Ion:142 Resp: 1347

Ion Ratio Lower Upper

142 100

127 49.3 36.6 55.0

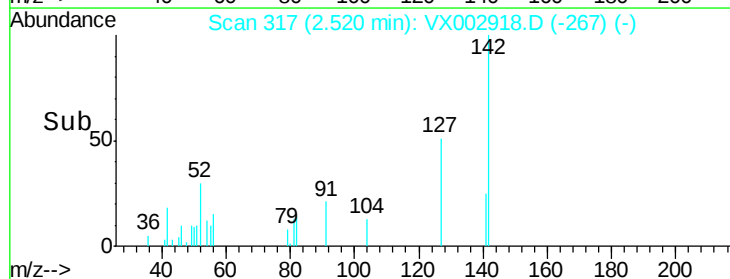
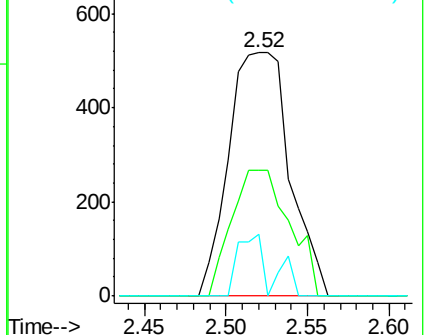
141 11.1 11.3 16.9#

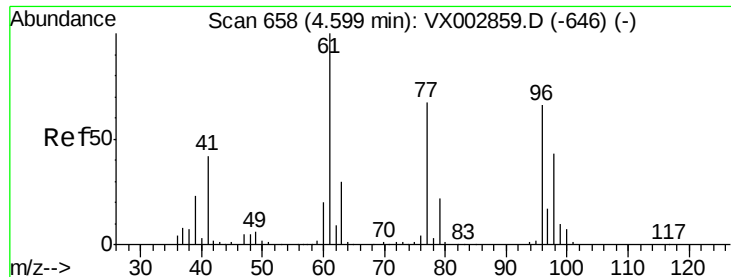


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#27

cis-1,2-Dichloroethene

Concen: 43.85 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX002918.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_X

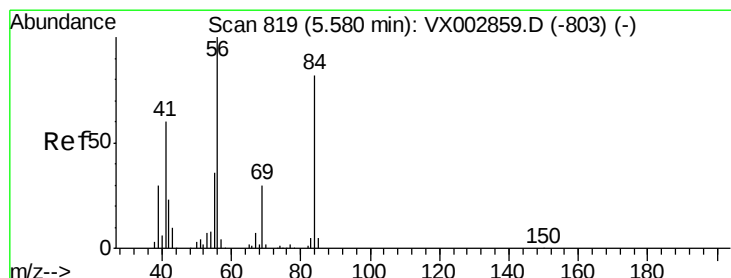
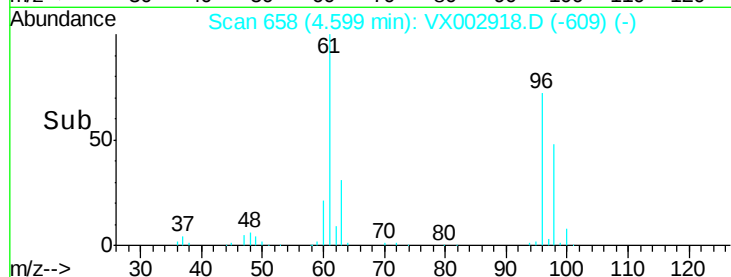
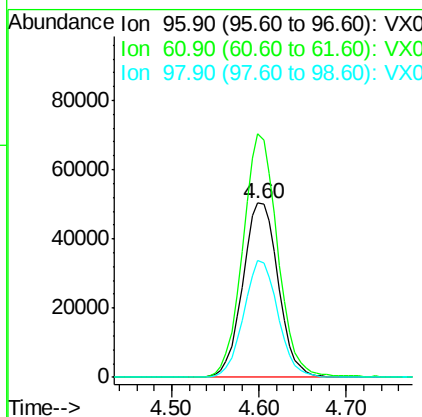
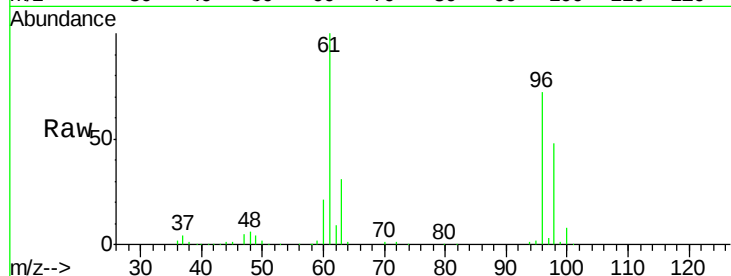
ClientSampleId :

WP021SB480-21-23-180622

Tot Ion:	96	Resp:	142210
Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	330.2
98	64.7	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
6/28/2018 3:12:11 PM



#31

Cyclohexane

Concen: 0.38 ug/l

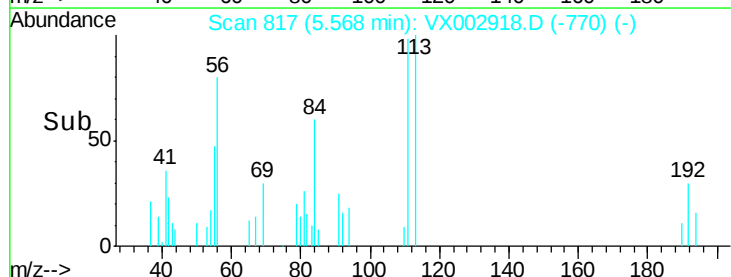
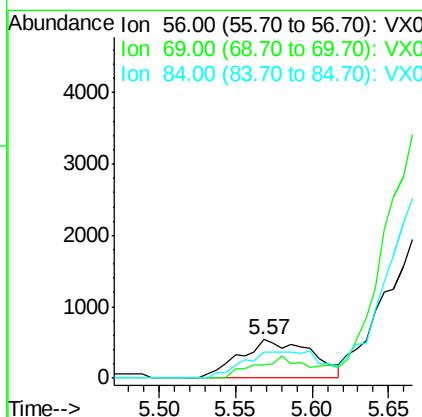
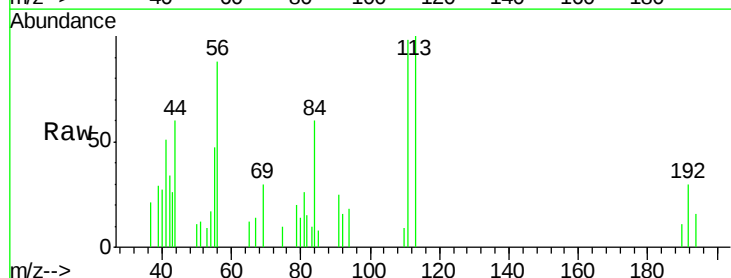
RT: 5.57 min Scan# 817

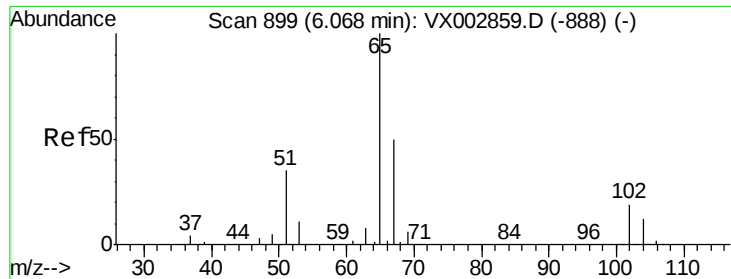
Delta R.T. -0.01 min

Lab File: VX002918.D

Acq: 27 Jun 2018 02:22

Tgt Ion:	56	Resp:	1762
Ion	Ratio	Lower	Upper
56	100		
69	34.1	23.7	35.5
84	68.3	64.1	96.1





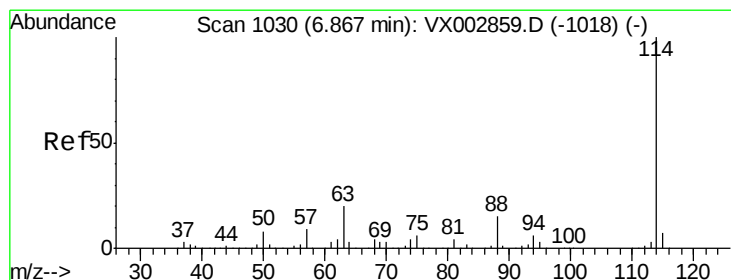
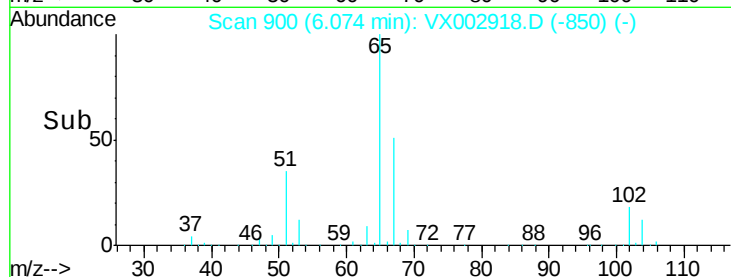
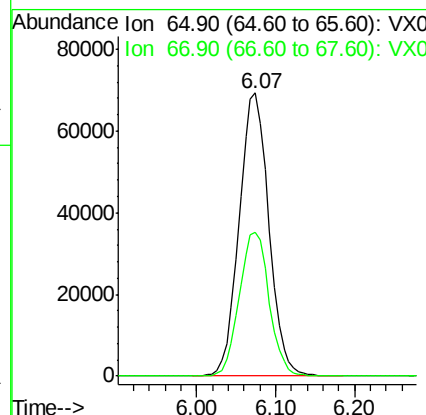
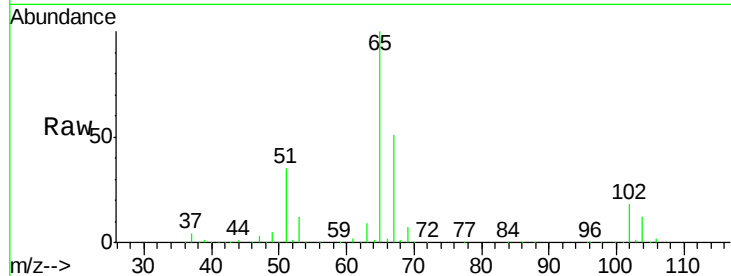
#33
 1,2-Dichloroethane-d4
 Concen: 48.86 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002918.D
 Acq: 27 Jun 2018 02:22

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB480-21-23-180622

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181829		
67	51.0	0.0	102.6	

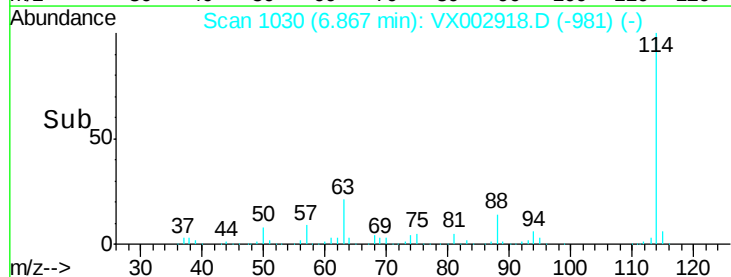
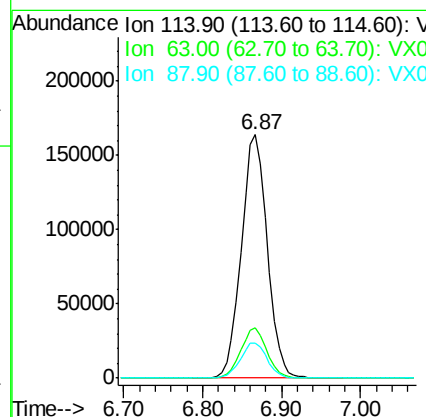
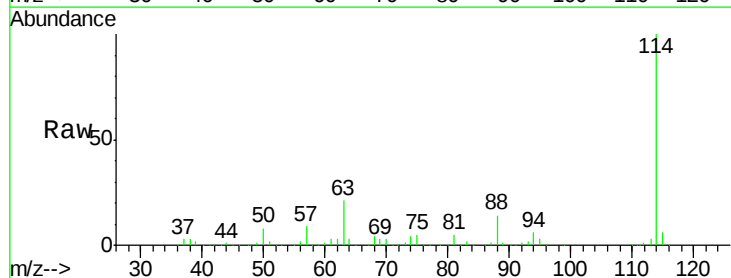
Manual Integrations
 APPROVED

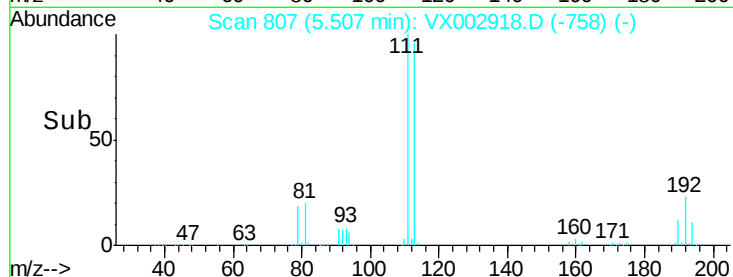
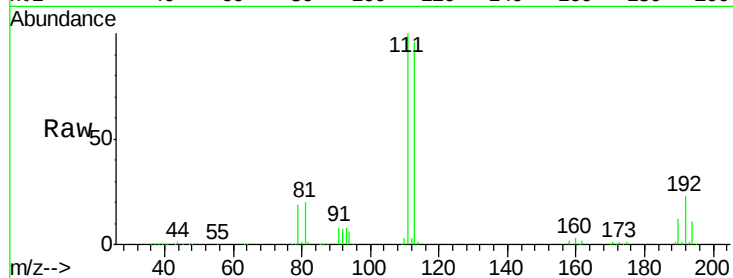
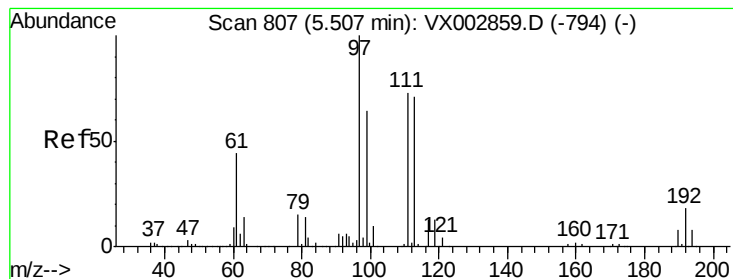
MMDadoda
 6/28/2018 3:12:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002918.D
 Acq: 27 Jun 2018 02:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375523		
63	20.7	0.0	41.4	
88	14.4	0.0	30.0	





#35

Dibromofluoromethane

Concen: 48.24 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002918.D

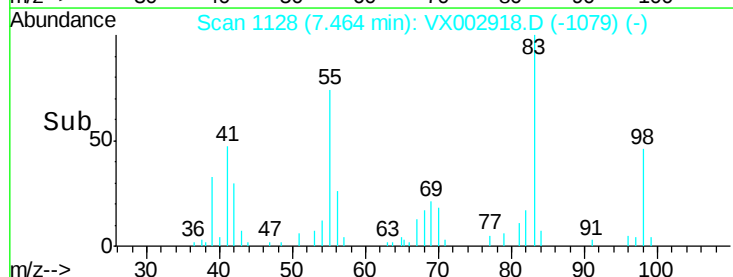
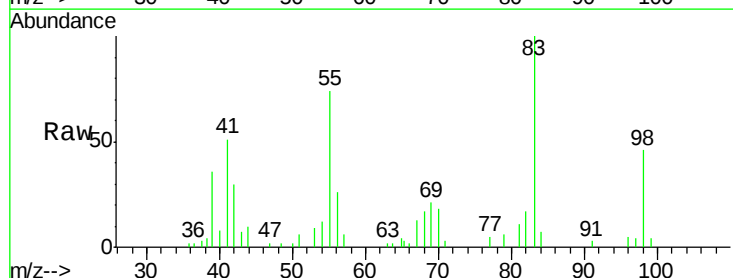
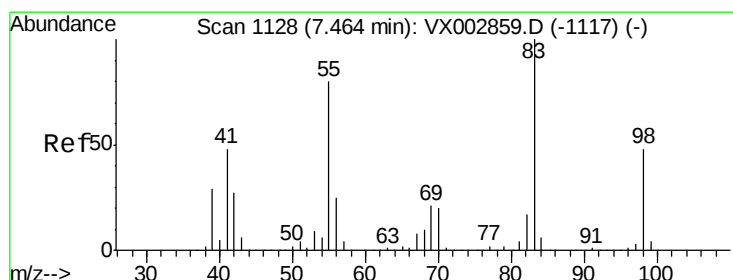
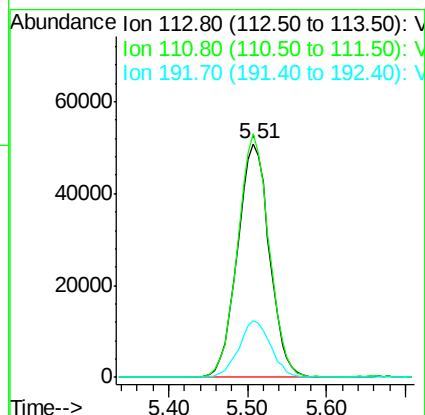
Acq: 27 Jun 2018 02:22

Tot Ion:	113	Resp:	143464
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	24.0	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
WP021SB480-21-23-180622

Manual Integrations
APPROVED

MMDadoda
6/28/2018 3:12:11 PM



#39

Methylcyclohexane

Concen: 1.51 ug/l

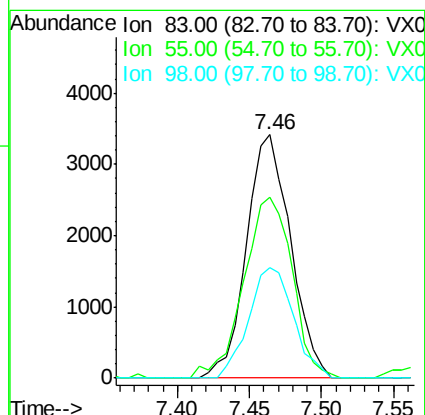
RT: 7.46 min Scan# 1128

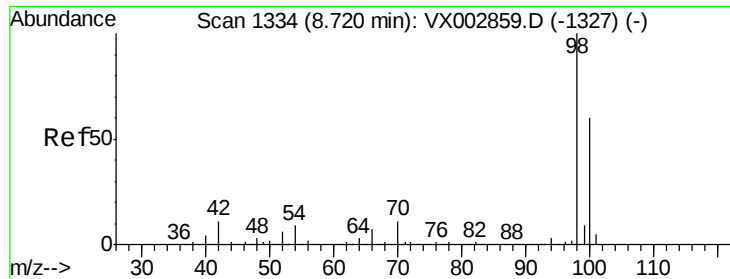
Delta R.T. 0.00 min

Lab File: VX002918.D

Acq: 27 Jun 2018 02:22

Tgt Ion:	83	Resp:	7256
Ion	Ratio	Lower	Upper
83	100		
55	74.0	65.4	98.0
98	45.6	37.4	56.0





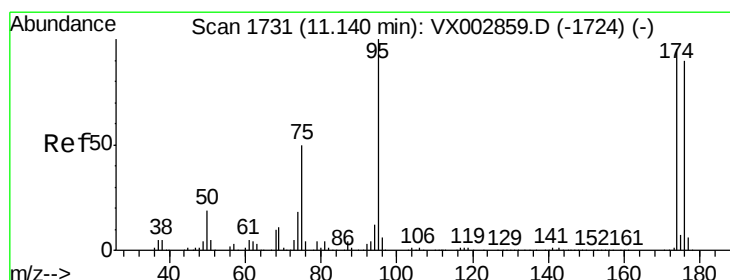
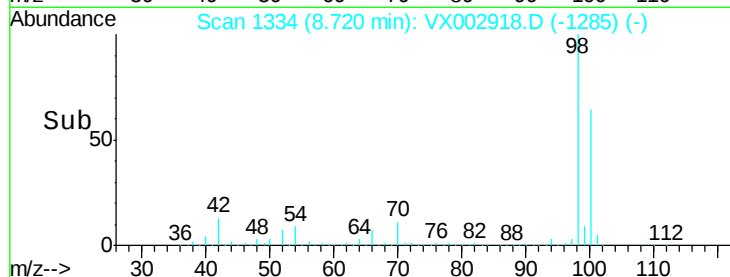
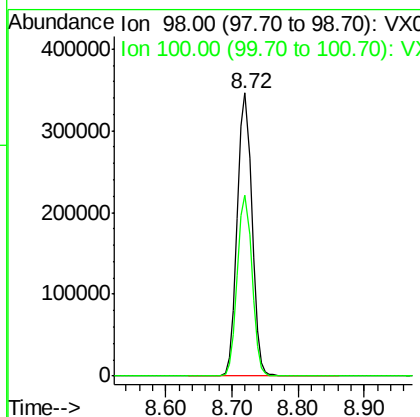
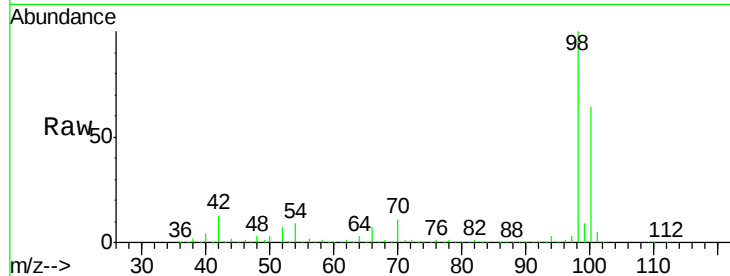
#50
Toluene-d8
Concen: 48.91 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002918.D
Acq: 27 Jun 2018 02:22

Instrument :
MSVOA_X
ClientSampleId :
WP021SB480-21-23-180622

Tot Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.9	76.3

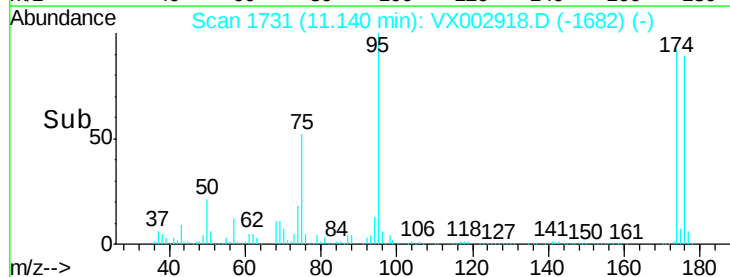
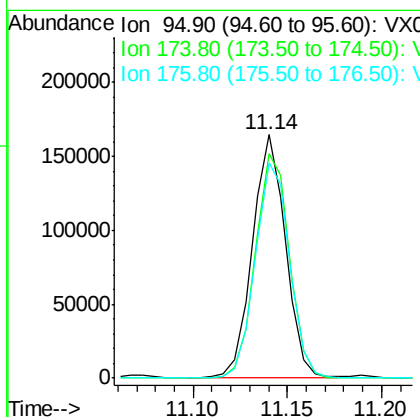
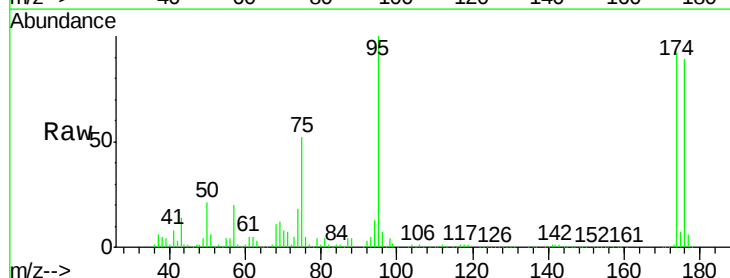
Manual Integrations
APPROVED

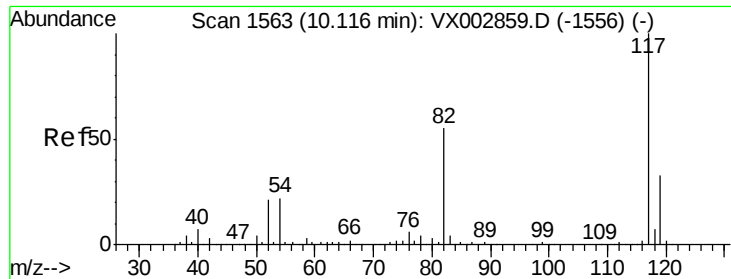
MMDadoda
6/28/2018 3:12:11 PM



#62
4-Bromofluorobenzene
Concen: 47.52 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002918.D
Acq: 27 Jun 2018 02:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.4	0.0	187.4
176	92.2	0.0	181.0





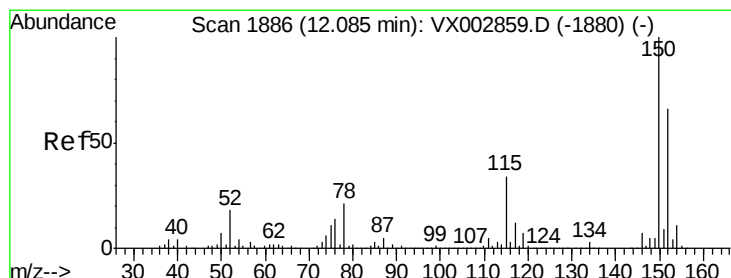
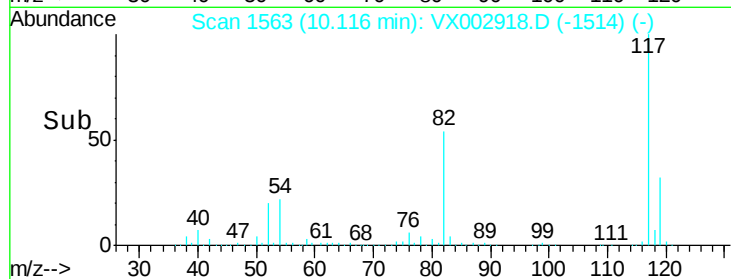
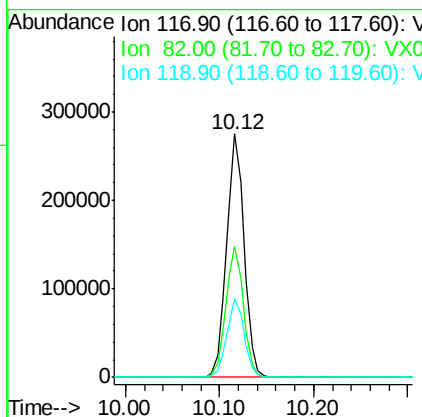
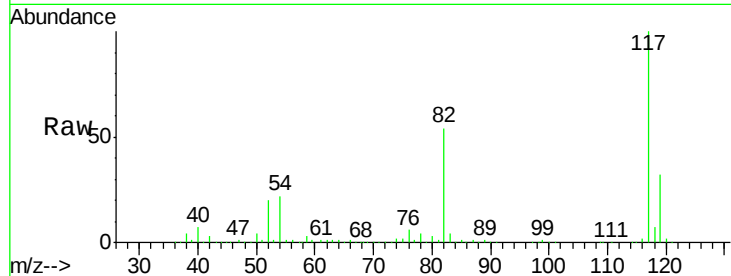
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002918.D
Acq: 27 Jun 2018 02:22

Instrument :
MSVOA_X
ClientSampleId :
WP021SB480-21-23-180622

Tot Ion	Ratio	Resp	Lower	Upper
117	100	354910		
82	53.6	45.0	67.4	
119	32.2	25.8	38.6	

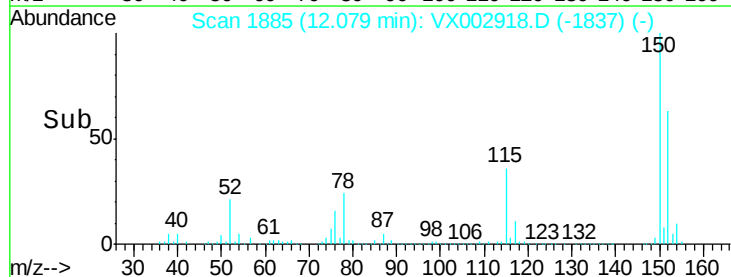
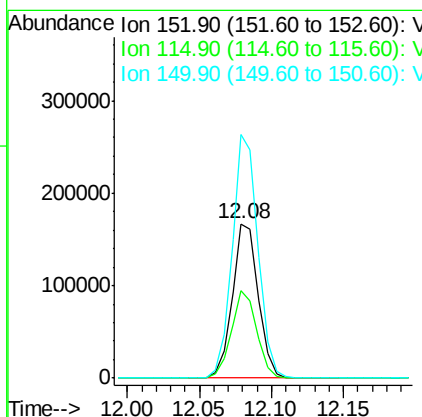
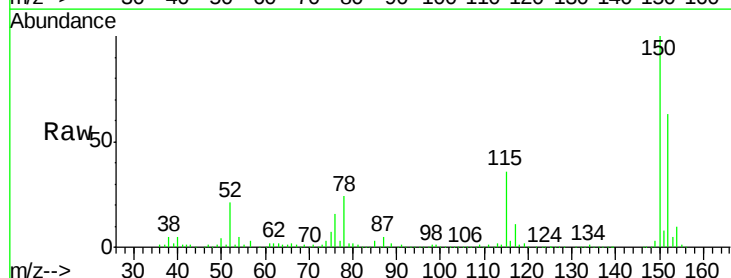
Manual Integrations
APPROVED

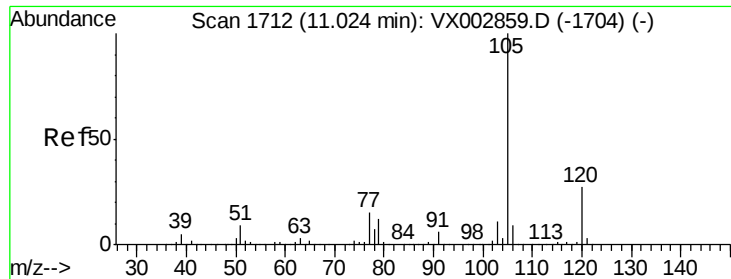
MMDadoda
6/28/2018 3:12:11 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002918.D
Acq: 27 Jun 2018 02:22

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	209187		
115	56.0	40.1	120.2	
150	156.6	0.0	347.2	





#73

Isopropylbenzene

Concen: 0.51 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002918.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

WP021SB480-21-23-180622

Tot Ion:105 Resp: 7216

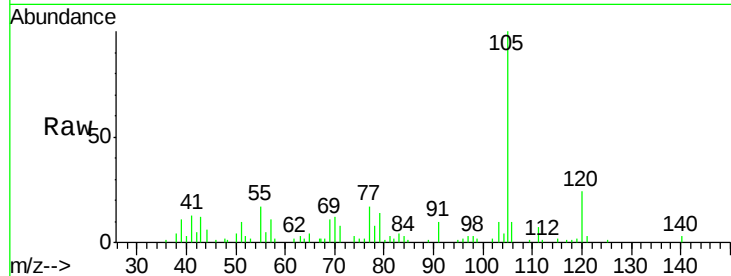
Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.4

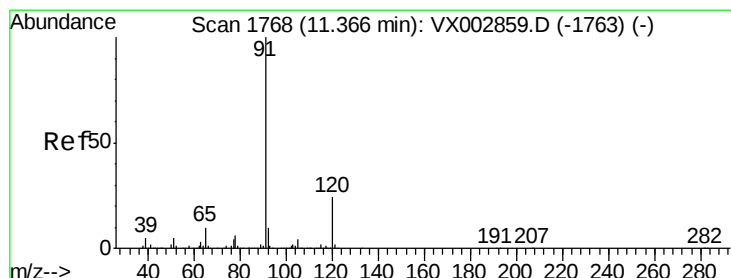
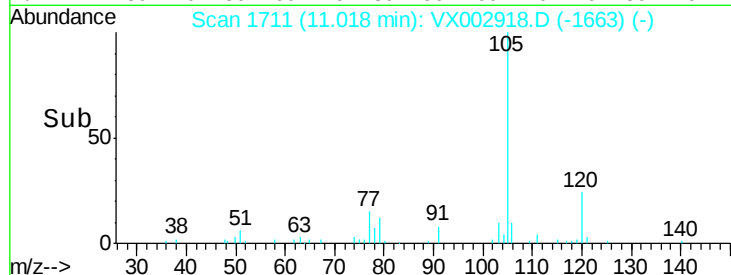
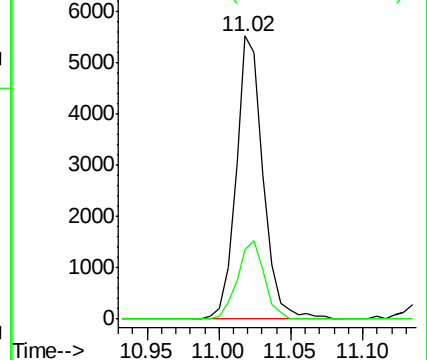
Manual Integrations
APPROVED

MMDadoda
6/28/2018 3:12:11 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.58 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002918.D

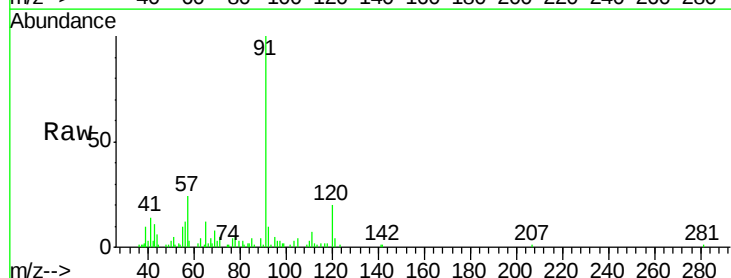
Acq: 27 Jun 2018 02:22

Tgt Ion: 91 Resp: 9352

Ion Ratio Lower Upper

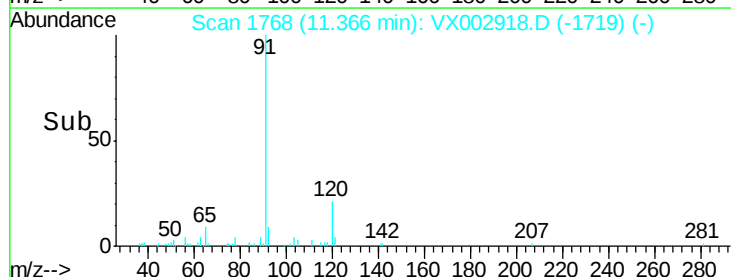
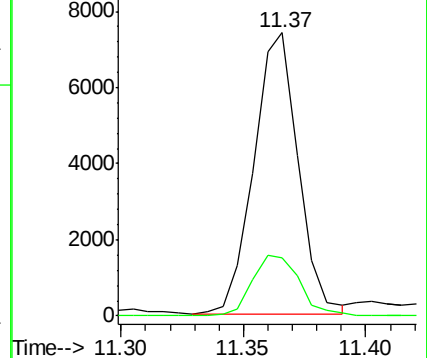
91 100

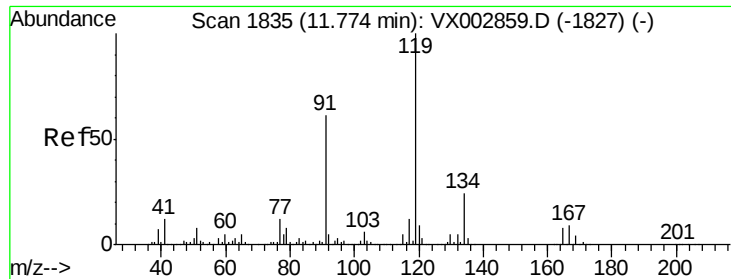
120 23.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





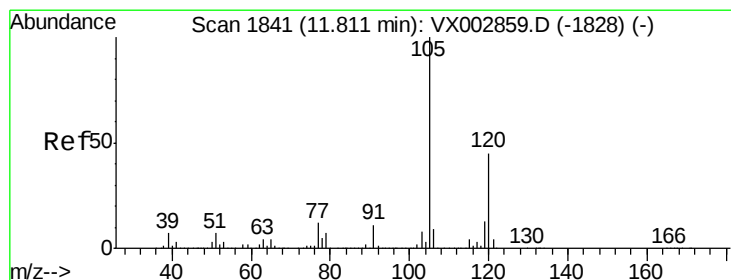
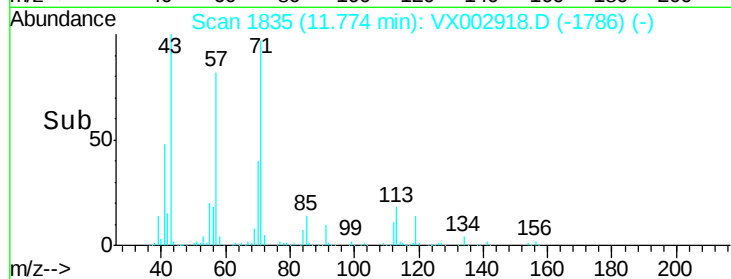
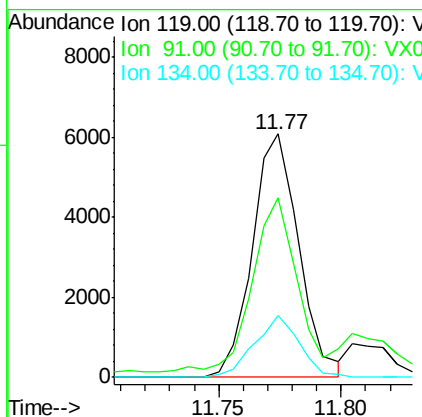
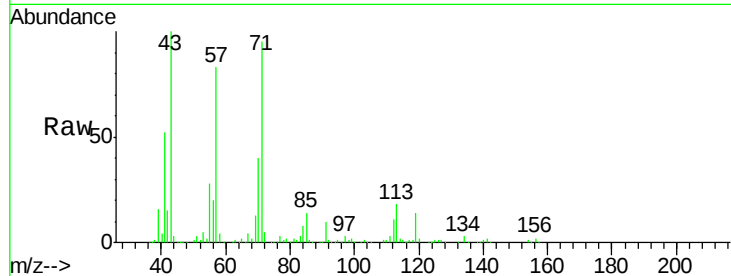
#83
 tert-Butylbenzene
 Concen: 0.68 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002918.D
 Acq: 27 Jun 2018 02:22

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB480-21-23-180622

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	30.3	90.9
134	24.6	11.7	35.1

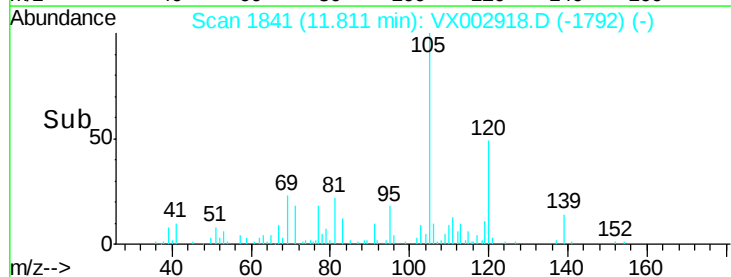
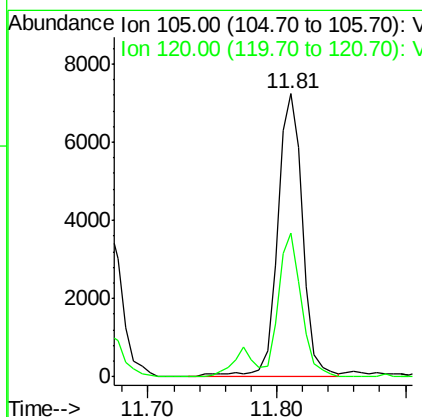
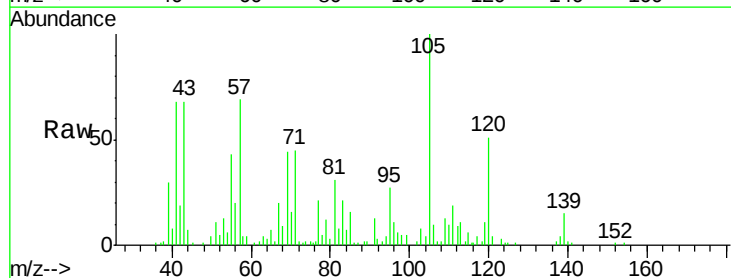
Manual Integrations
 APPROVED

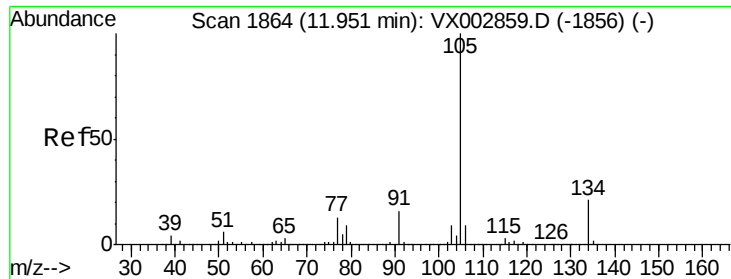
MMDadoda
 6/28/2018 3:12:11 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.81 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002918.D
 Acq: 27 Jun 2018 02:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.3	66.8





#85

sec-Butylbenzene

Concen: 1.52 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002918.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

WP021SB480-21-23-180622

Tot Ion:105 Resp: 21594

Ion Ratio Lower Upper

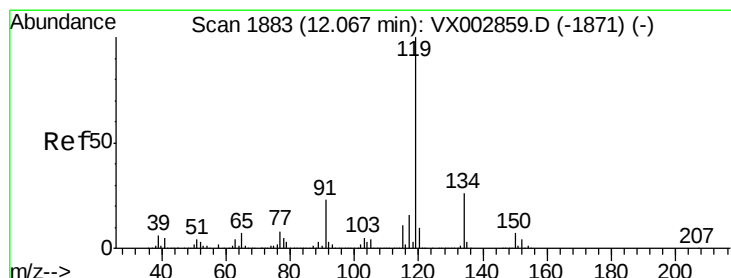
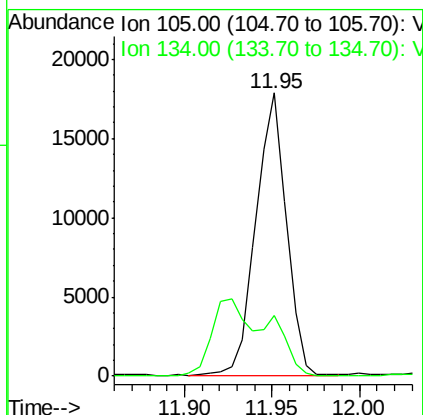
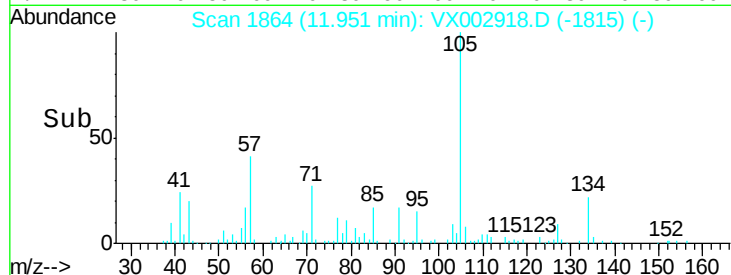
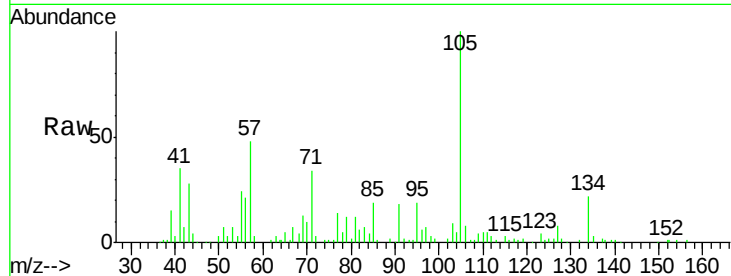
105 100

134 0.0 10.4 31.1#

Manual Integrations
APPROVED

MMDadoda

6/28/2018 3:12:11 PM



#86

p-Isopropyltoluene

Concen: 1.48 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002918.D

Acq: 27 Jun 2018 02:22

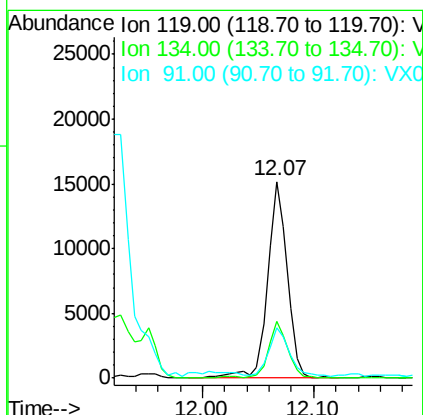
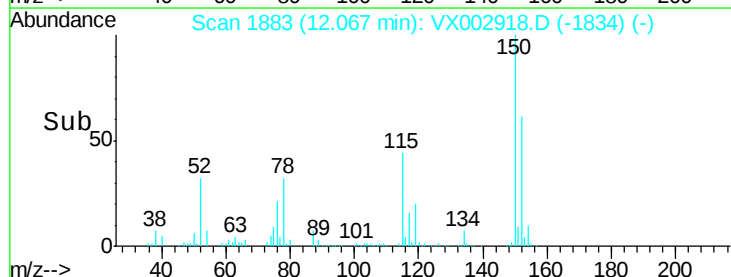
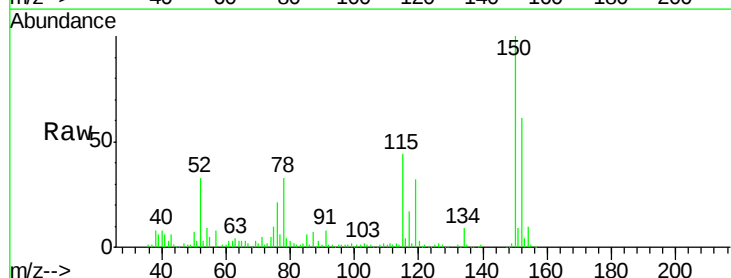
Tgt Ion:119 Resp: 18855

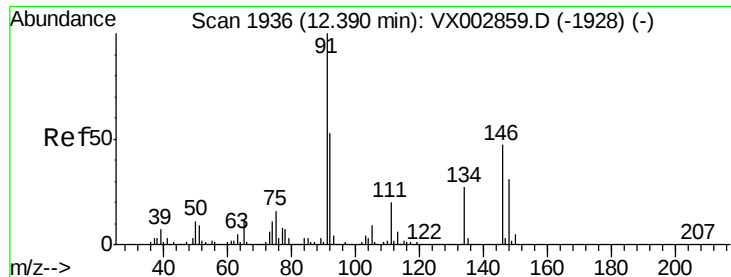
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 25.9 11.9 35.7





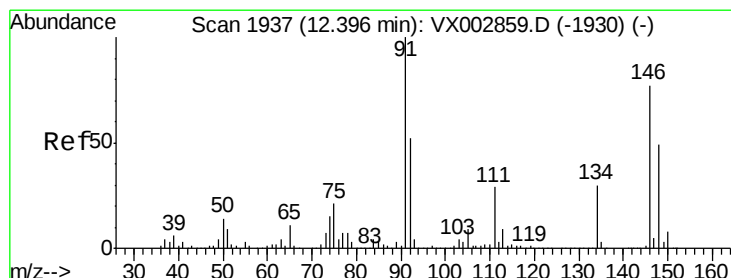
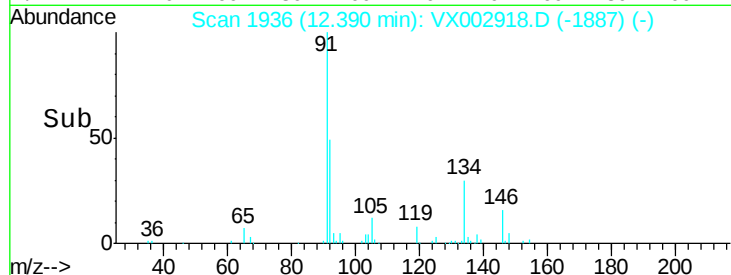
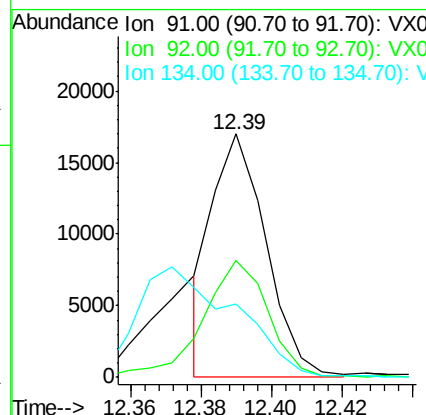
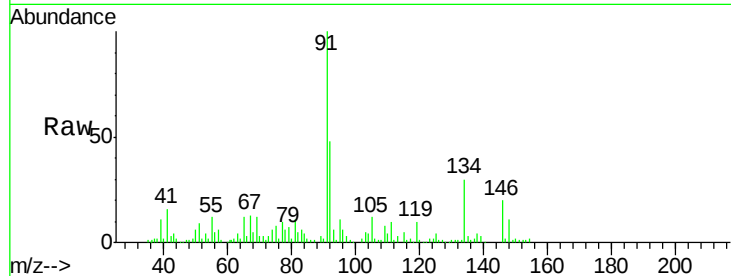
#89
n-Butylbenzene
Concen: 1.63 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002918.D
Acq: 27 Jun 2018 02:22

Instrument :
MSVOA_X
ClientSampleId :
WP021SB480-21-23-180622

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	26.0	78.0
134	82.6	13.5	40.5#

Manual Integrations
APPROVED

MMDadoda
6/28/2018 3:12:11 PM



#91
1,2-Dichlorobenzene
Concen: 0.70 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002918.D
Acq: 27 Jun 2018 02:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	63.0	19.4	58.1#
148	65.9	31.7	95.1

