

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002933.D
 Acq On : 27 Jun 2018 13:51
 Operator : JC/MD
 Sample : J3707-18
 Misc : 6.09g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0480-180622

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:47:53 PM

Quant Time: Jul 06 17:13:17 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	5.66	168	238917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	162381	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	5.51	113	124520	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	8.72	98	478206	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	11.14	95	183827	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.41	62	18932	7.01	ug/l	# 69
27) cis-1,2-Dichloroethene	4.59	96	344421	119.70	ug/l	82
39) Methylcyclohexane	7.45	83	3851	0.89	ug/l	94
52) Toluene	8.79	92	7620	1.11	ug/l	98
65) Chlorobenzene	10.14	112	4887	0.60	ug/l	97
78) n-propylbenzene	11.37	91	8065	0.52	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	17883	1.55	ug/l	99
83) tert-Butylbenzene	11.77	119	5362	0.47	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	32705	2.74	ug/l	95
85) sec-Butylbenzene	11.95	105	10586	0.77	ug/l	97
86) p-Isopropyltoluene	12.07	119	9241	0.75	ug/l	90
87) 1,3-Dichlorobenzene	12.03	146	4012	0.56	ug/l	# 85
88) 1,4-Dichlorobenzene	12.10	146	10573m	1.44	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	45778	6.37	ug/l	100
95) Naphthalene	13.84	128	35902	2.58	ug/l	99

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

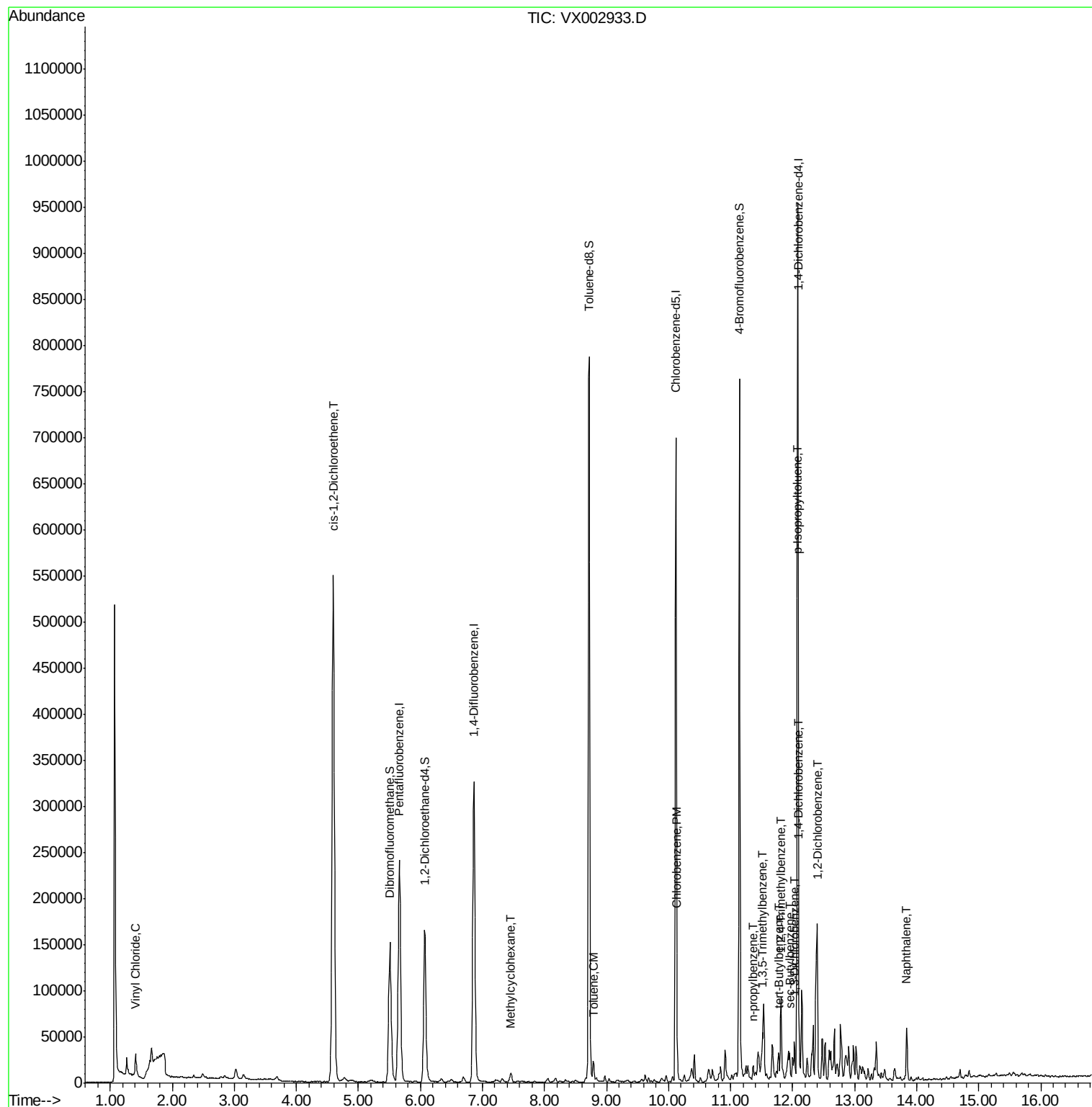
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062718\
Data File : VX002933.D
Acq On : 27 Jun 2018 13:51
Operator : JC/MD
Sample : J3707-18
Misc : 6.09µ/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

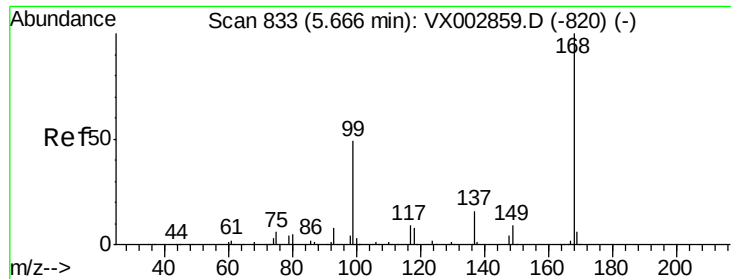
Instrument :
MSVOA_X
ClientSampleId :
DUP-0480-180622

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:53 PM

Quant Time: Jul 06 17:13:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX002933.D

Acq: 27 Jun 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-0480-180622

Tot Ion:168 Resp: 238917

Ion Ratio Lower Upper

168 100

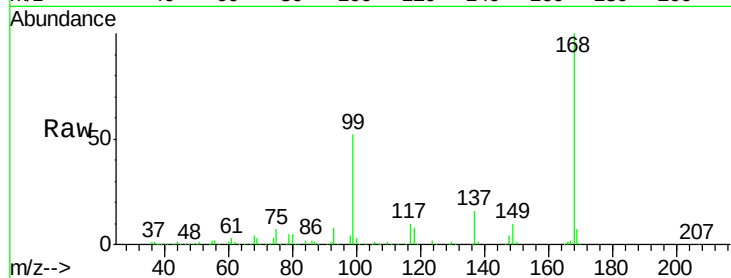
99 52.1 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

40000

20000

0

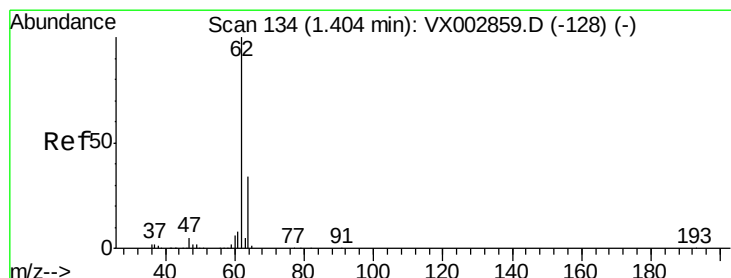
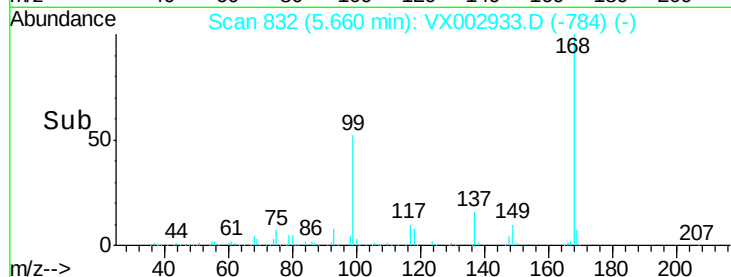
Time-->

5.50

5.60

5.70

5.80



#4

Vinyl Chloride

Concen: 7.01 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002933.D

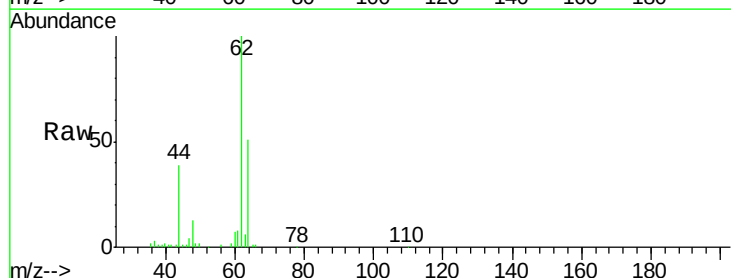
Acq: 27 Jun 2018 13:51

Tgt Ion: 62 Resp: 18932

Ion Ratio Lower Upper

62 100

64 49.2 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

15000

10000

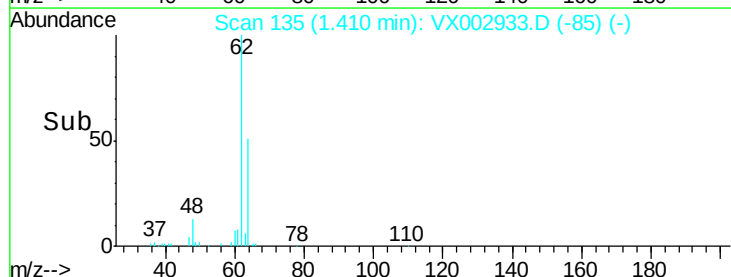
5000

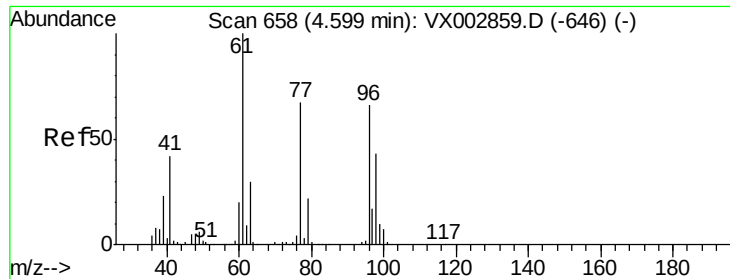
0

Time-->

1.40

1.50





#27

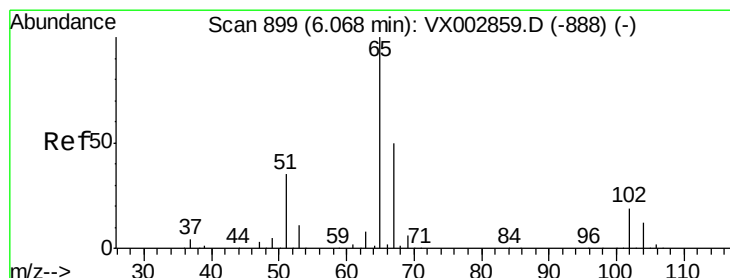
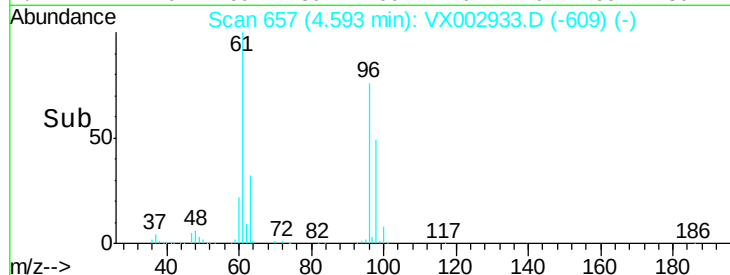
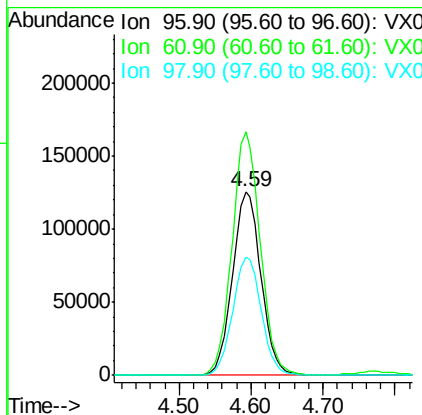
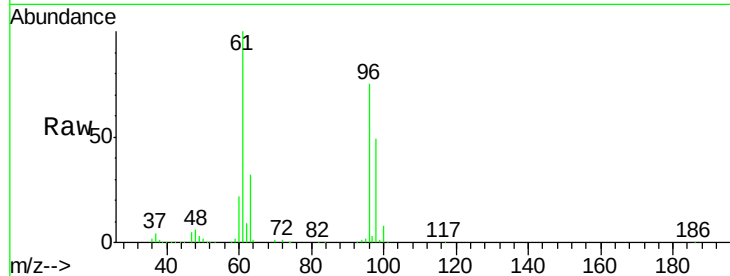
cis-1,2-Dichloroethene
 Concen: 119.70 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX002933.D
 Acq: 27 Jun 2018 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0480-180622

Tot Ion	Ratio	Resp	Lower	Upper
96	100	344421		
61	131.5	0.0	330.2	
98	64.7	0.0	130.2	

Manual Integrations
 APPROVED

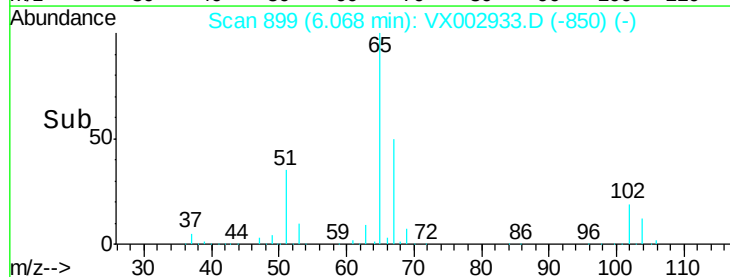
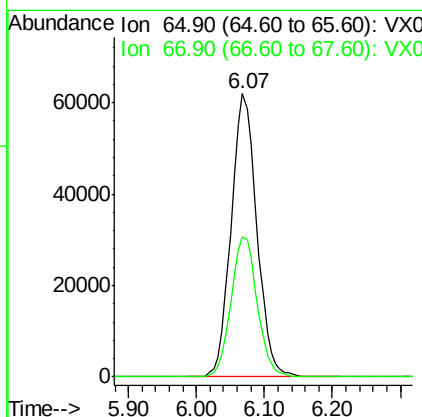
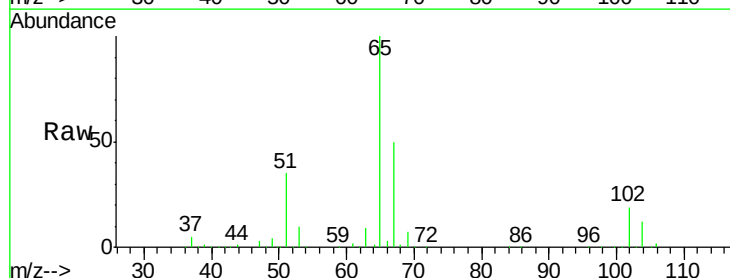
MMDadoda
 6/28/2018 4:47:53 PM

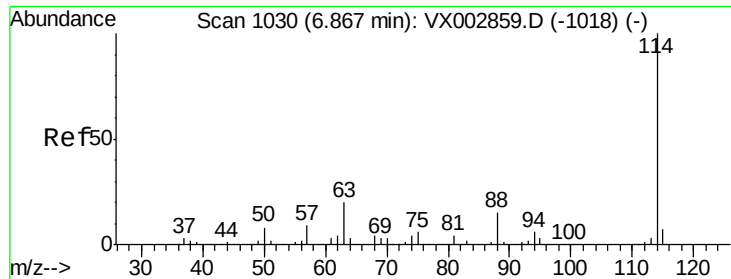


#33

1,2-Dichloroethane-d4
 Concen: 49.17 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX002933.D
 Acq: 27 Jun 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	162381		
67	50.6	0.0	102.6	





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002933.D

Acq: 27 Jun 2018 13:51

Instrument :

MSVOA_X

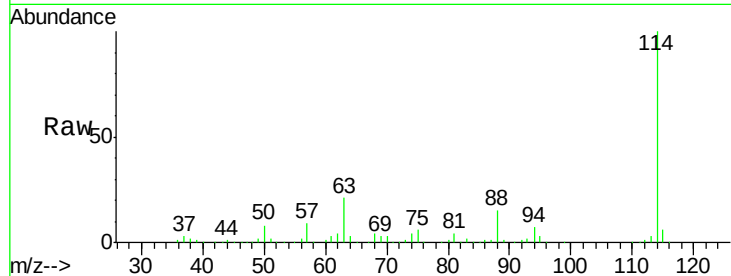
ClientSampleId :

DUP-0480-180622

Tot Ion:	114	Resp:	337795
Ion Ratio	Lower	Upper	
114	100		
63	20.5	0.0	41.4
88	15.4	0.0	30.0

Manual Integrations
APPROVED

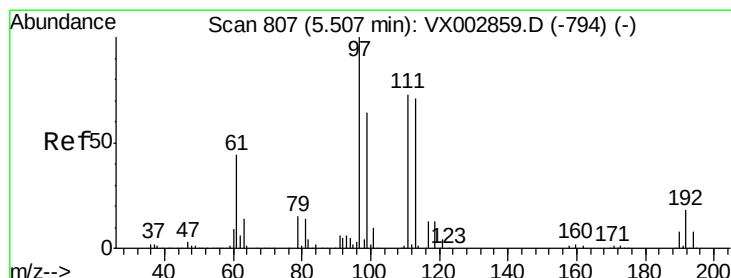
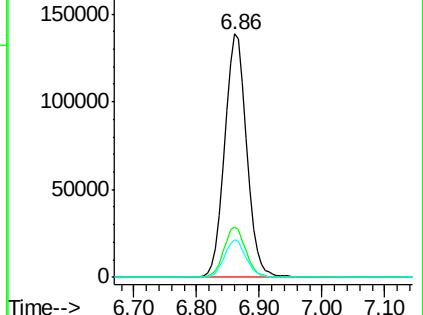
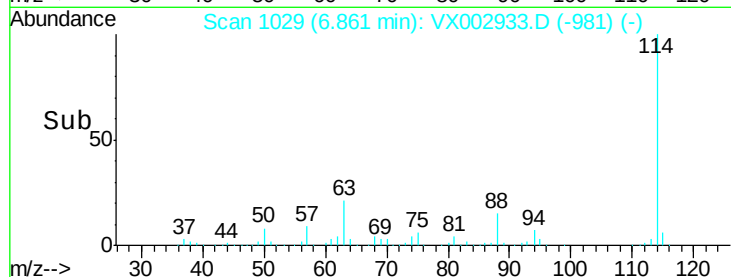
MMDadoda
6/28/2018 4:47:53 PM



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: 46.55 ug/l

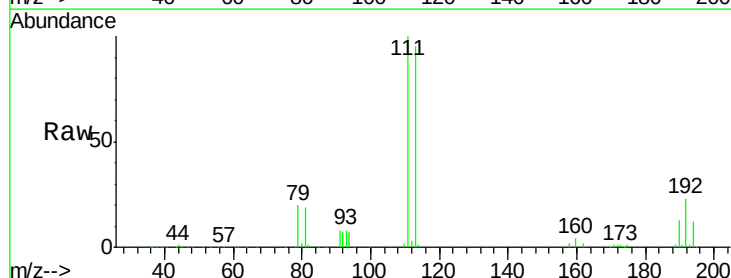
RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002933.D

Acq: 27 Jun 2018 13:51

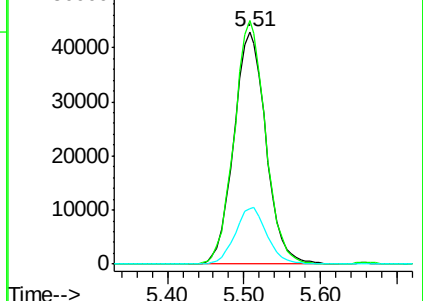
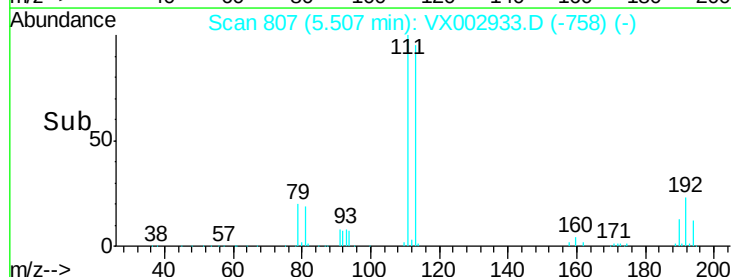
Tgt Ion:	113	Resp:	124520
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.4	122.0
192	24.0	19.1	28.7

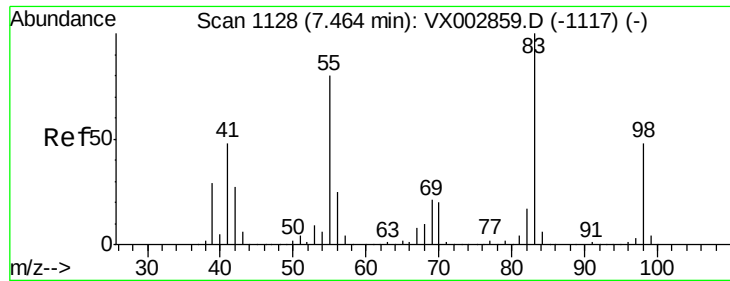


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





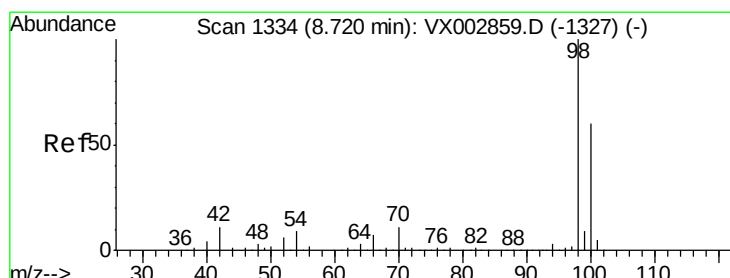
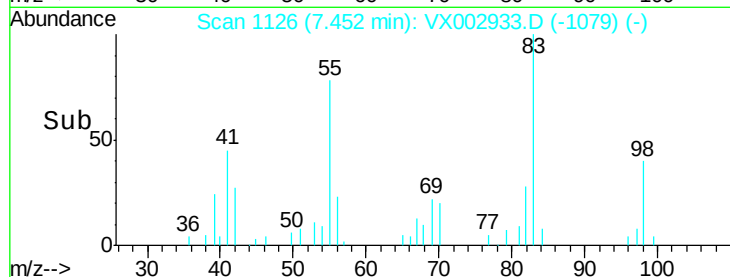
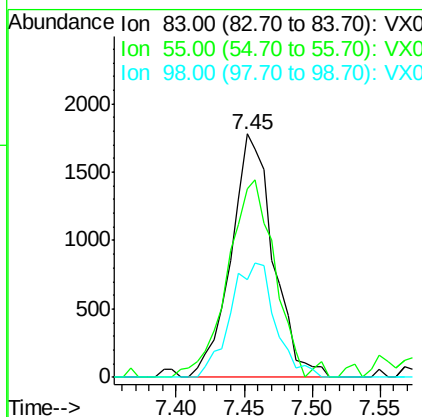
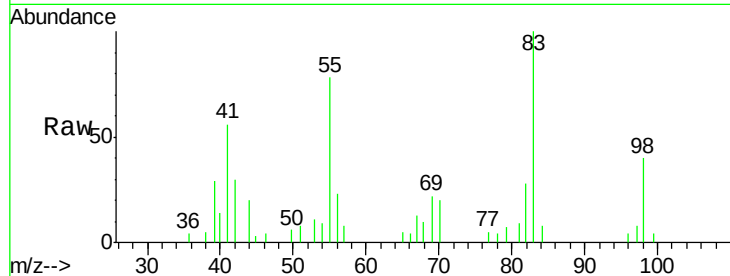
#39
Methylvlcyclohexane
Concen: 0.89 ug/l
RT: 7.45 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VX002933.D
Acq: 27 Jun 2018 13:51

Instrument :
MSVOA_X
ClientSampleId :
DUP-0480-180622

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	65.4	98.0
98	40.4	37.4	56.0

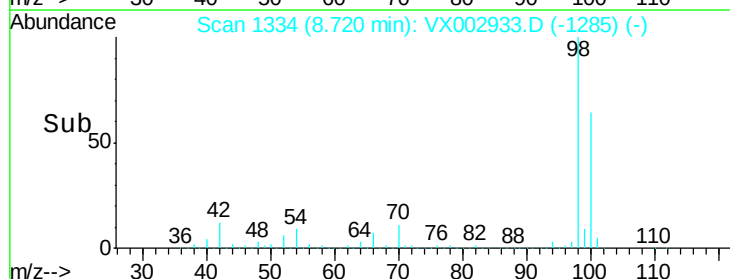
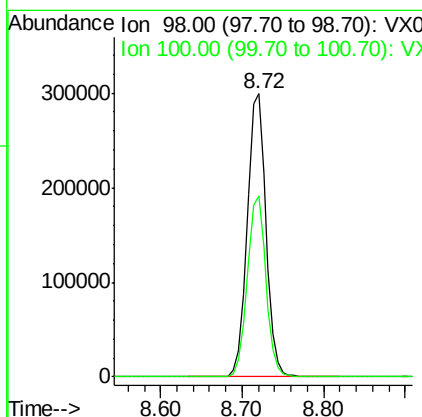
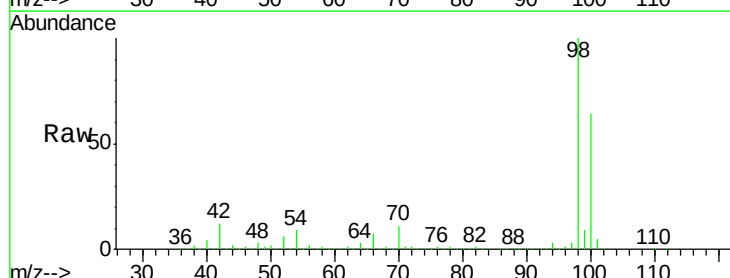
Manual Integrations
APPROVED

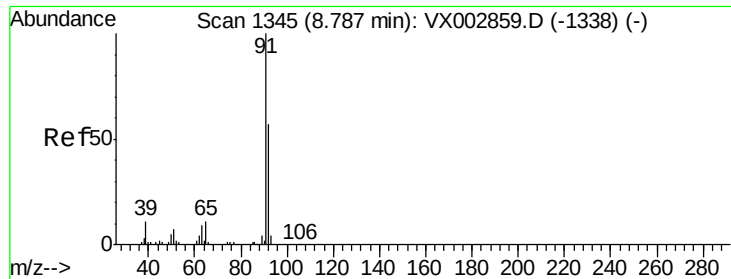
MMDadoda
6/28/2018 4:47:53 PM



#50
Toluene-d8
Concen: 48.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002933.D
Acq: 27 Jun 2018 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.9	76.3





#52

Toluene

Concen: 1.11 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002933.D

Acq: 27 Jun 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-0480-180622

Tot Ion: 92 Resp: 7620

Ion Ratio Lower Upper

92 100

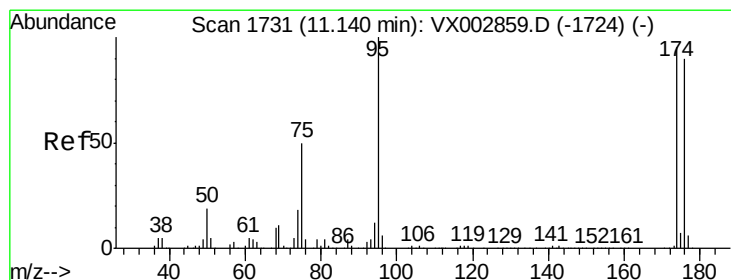
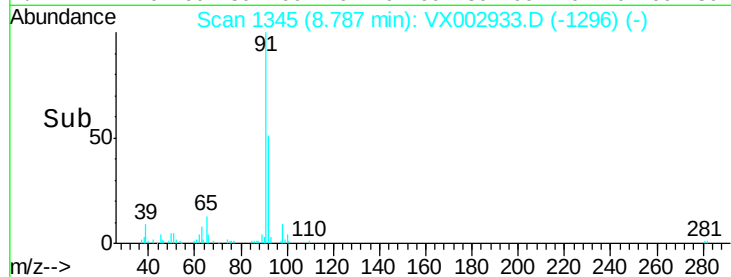
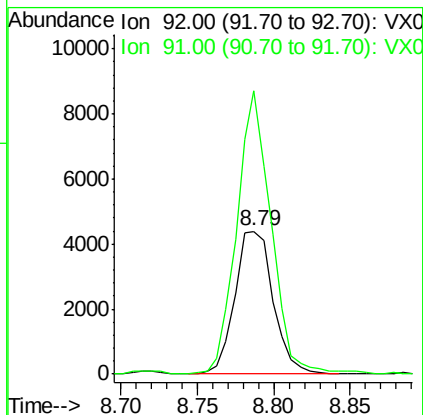
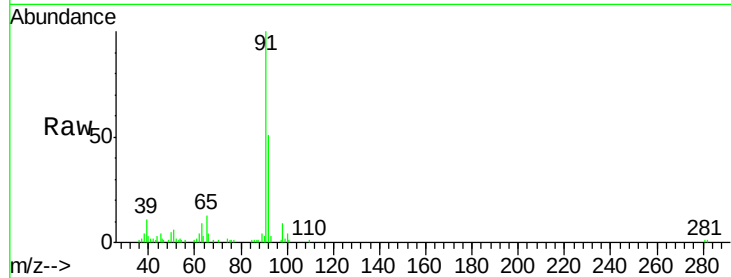
91 178.1 140.4 210.6

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:53 PM



#62

4-Bromofluorobenzene

Concen: 48.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002933.D

Acq: 27 Jun 2018 13:51

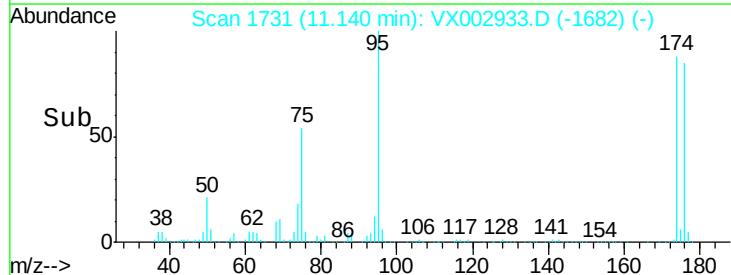
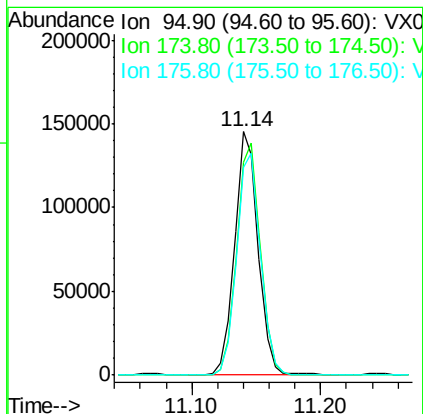
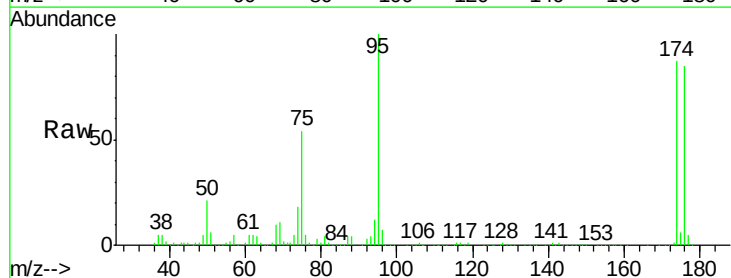
Tgt Ion: 95 Resp: 183827

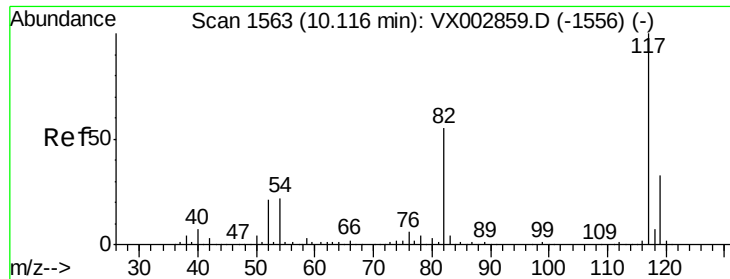
Ion Ratio Lower Upper

95 100

174 96.0 0.0 187.4

176 92.6 0.0 181.0





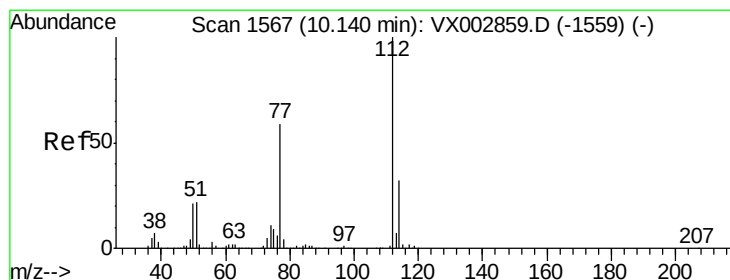
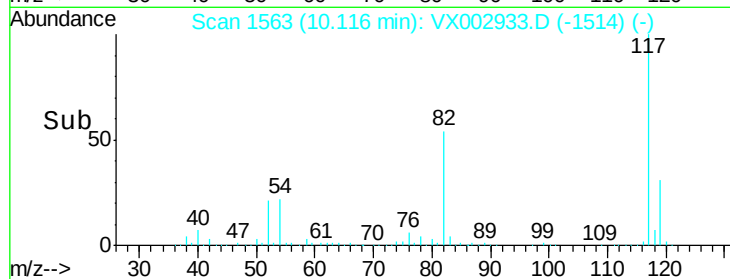
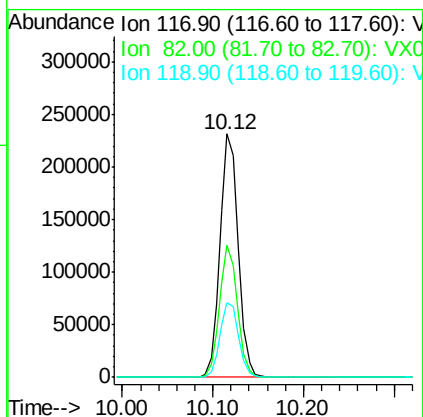
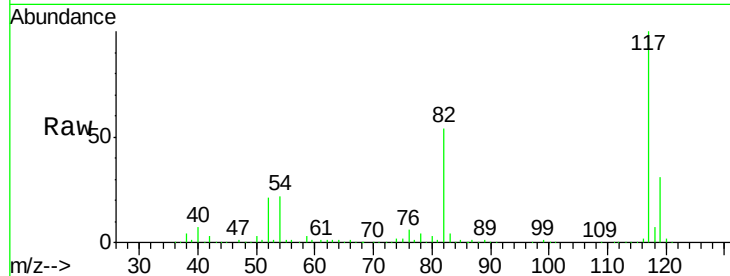
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002933.D
Acq: 27 Jun 2018 13:51

Instrument :
MSVOA_X
ClientSampleId :
DUP-0480-180622

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.0	67.4
119	30.6	25.8	38.6

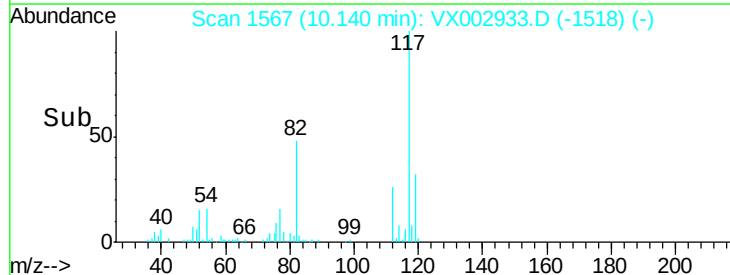
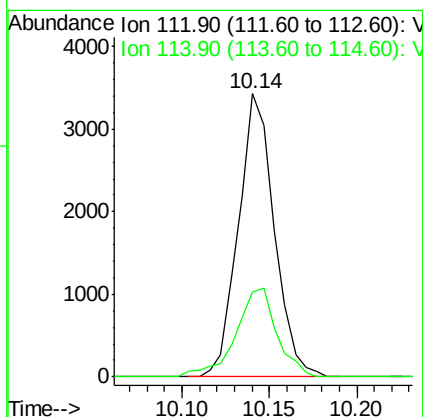
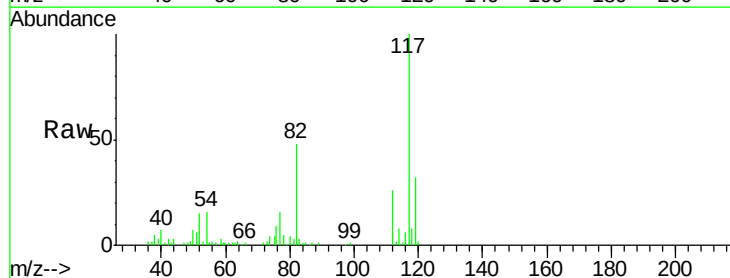
Manual Integrations
APPROVED

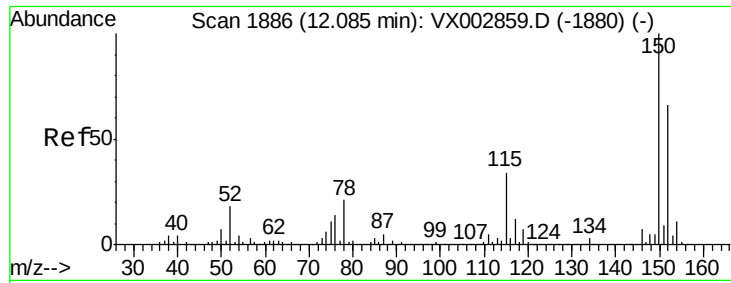
MMDadoda
6/28/2018 4:47:53 PM



#65
Chlorobenzene
Concen: 0.60 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002933.D
Acq: 27 Jun 2018 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002933.D

Acq: 27 Jun 2018 13:51

Instrument :

MSVOA_X

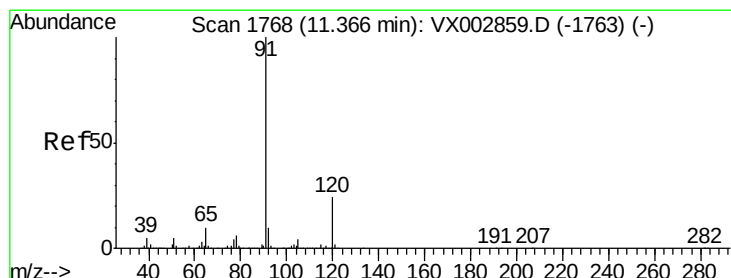
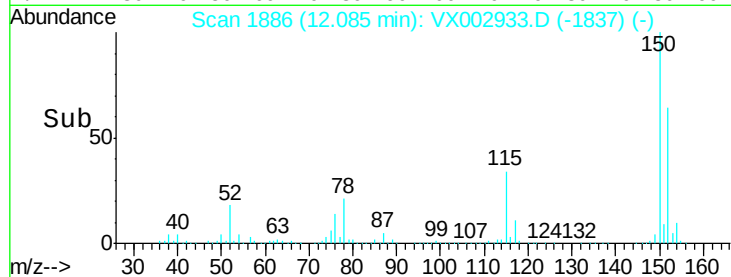
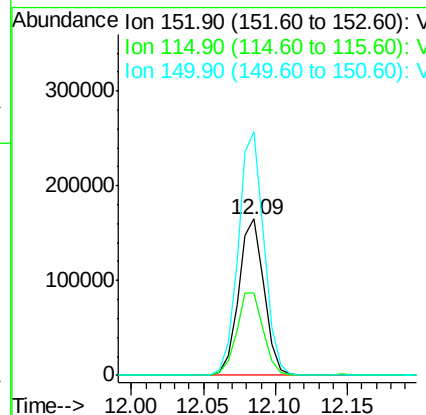
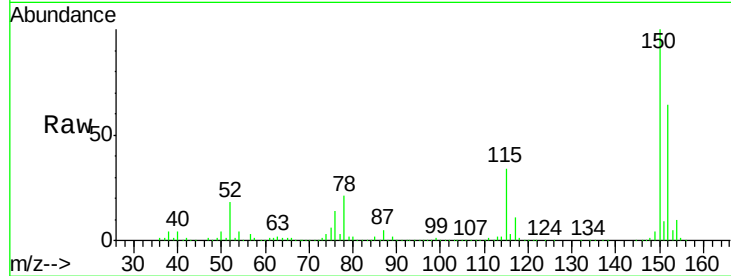
ClientSampleId :

DUP-0480-180622

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	40.1	120.2
150	156.9	0.0	347.2

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:53 PM



#78

n-propylbenzene

Concen: 0.52 ug/l

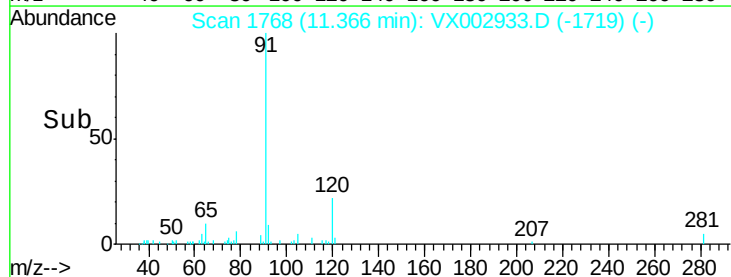
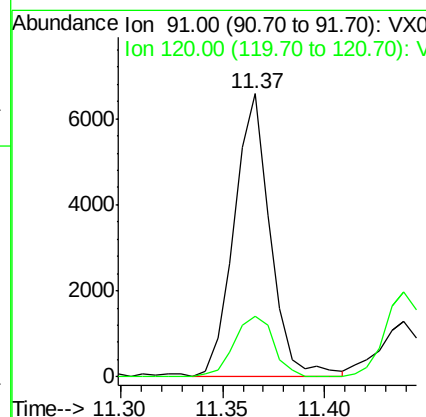
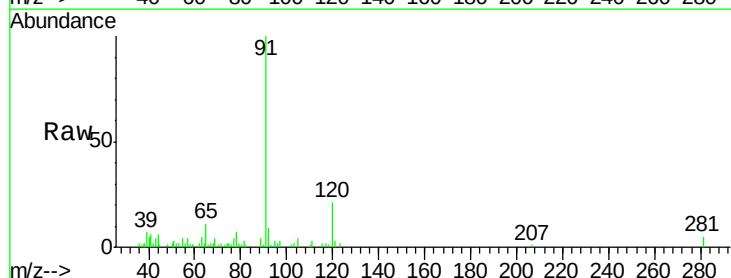
RT: 11.37 min Scan# 1768

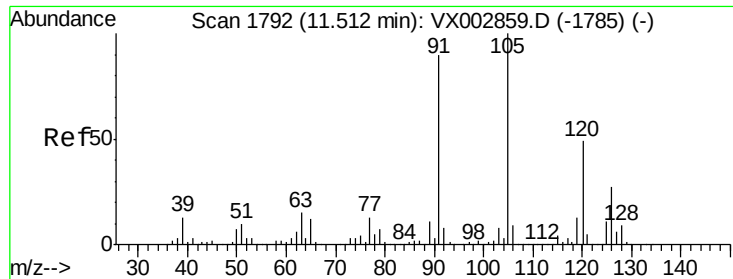
Delta R.T. 0.00 min

Lab File: VX002933.D

Acq: 27 Jun 2018 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.4





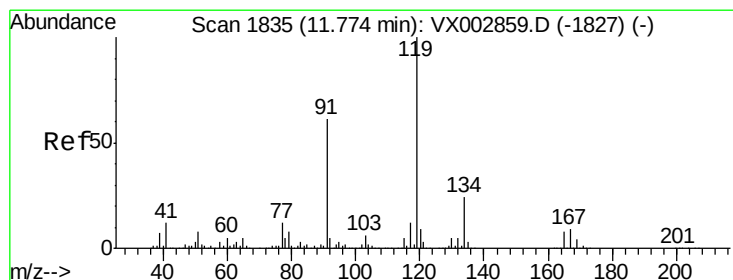
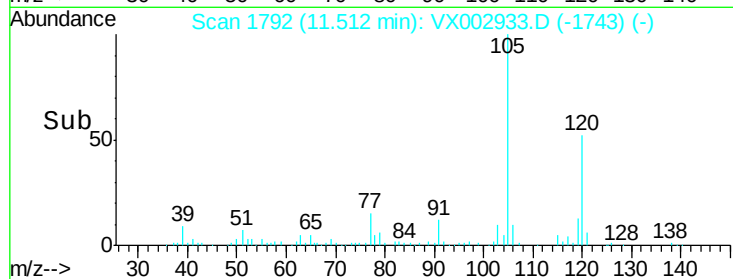
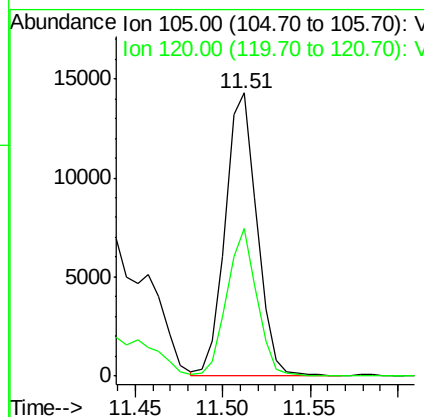
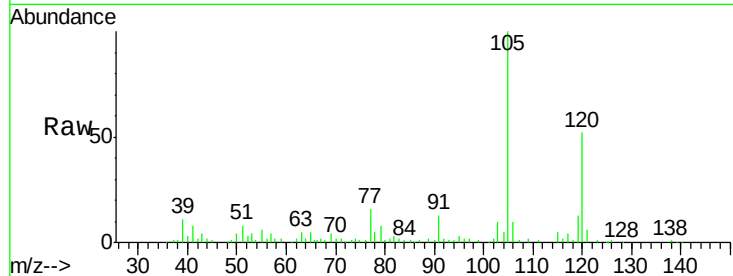
#80
 1,3,5-Trimethylbenzene
 Concen: 1.55 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002933.D
 Acq: 27 Jun 2018 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0480-180622

Tot Ion:105 Resp: 17883
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.4 73.4

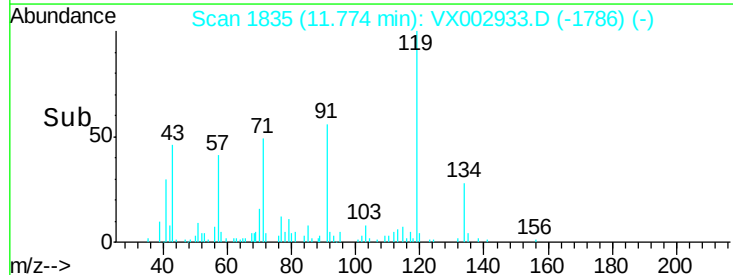
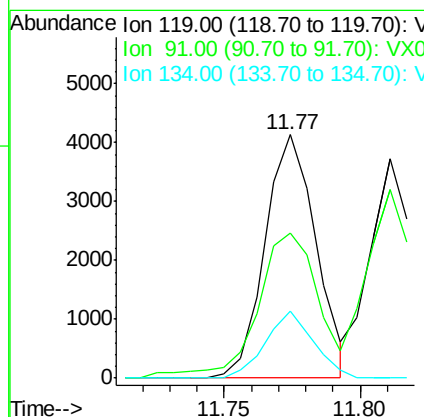
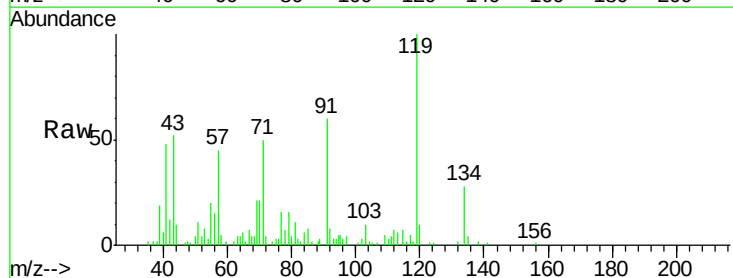
Manual Integrations
 APPROVED

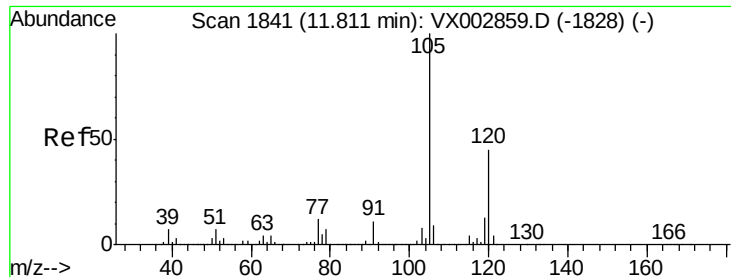
MMDadoda
 6/28/2018 4:47:53 PM



#83
 tert-Butylbenzene
 Concen: 0.47 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002933.D
 Acq: 27 Jun 2018 13:51

Tgt Ion:119 Resp: 5362
 Ion Ratio Lower Upper
 119 100
 91 71.2 30.3 90.9
 134 26.2 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 2.74 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002933.D

Acq: 27 Jun 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-0480-180622

Tot Ion:105 Resp: 32705

Ion Ratio Lower Upper

105 100

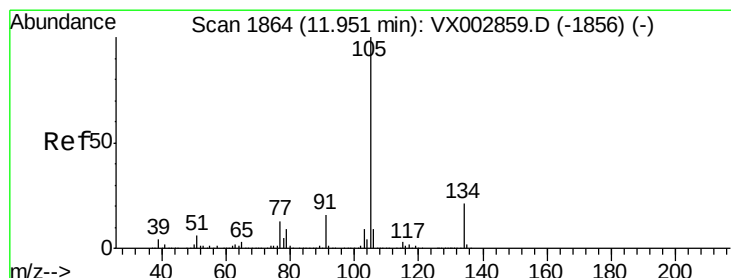
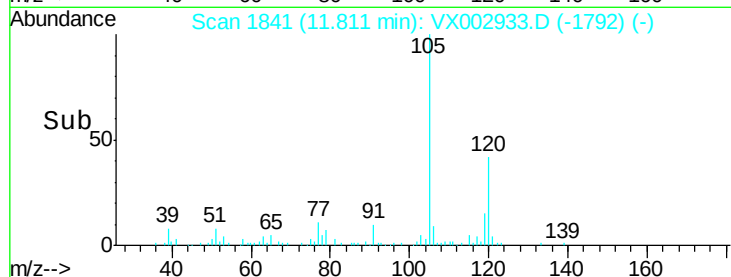
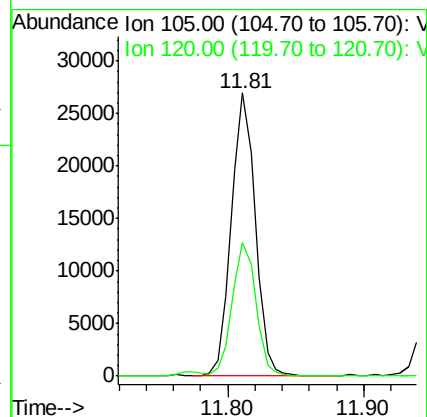
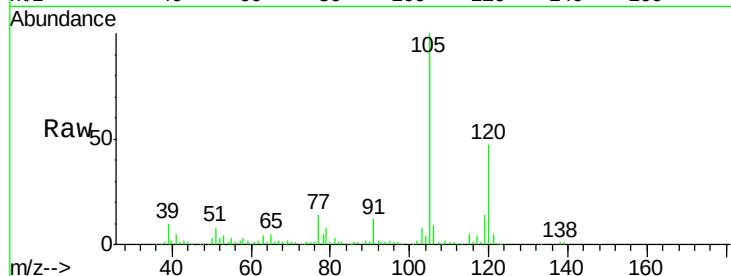
120 47.5 22.3 66.8

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:53 PM



#85

sec-Butylbenzene

Concen: 0.77 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002933.D

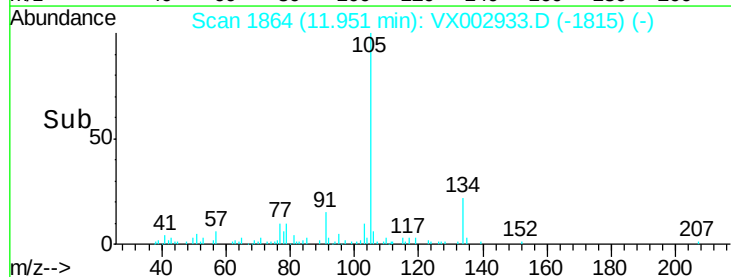
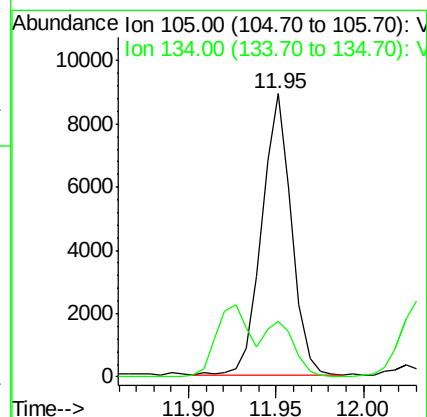
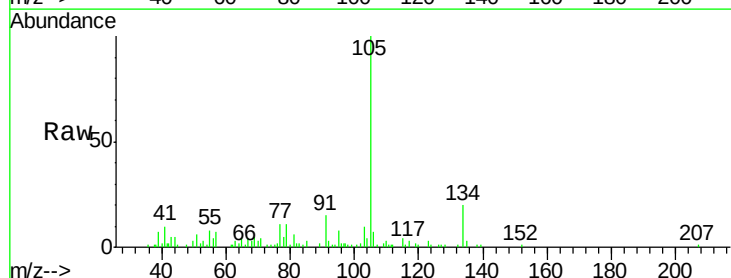
Acq: 27 Jun 2018 13:51

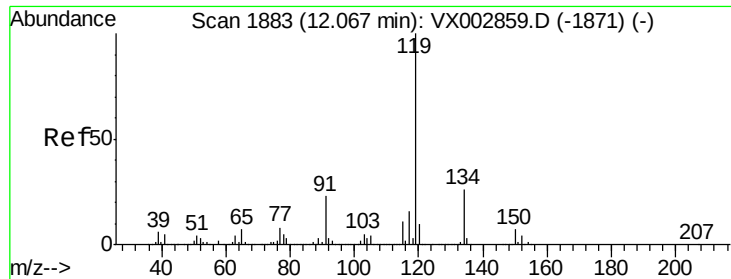
Tgt Ion:105 Resp: 10586

Ion Ratio Lower Upper

105 100

134 19.5 10.4 31.1





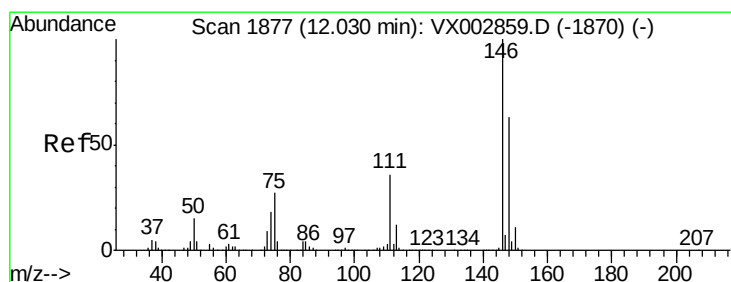
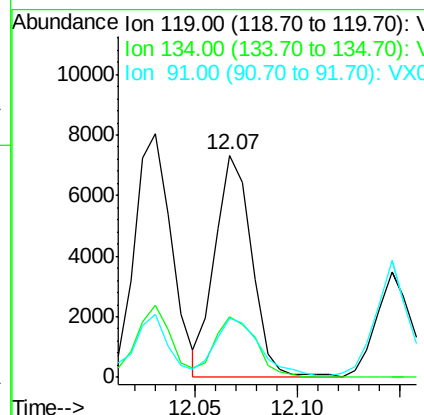
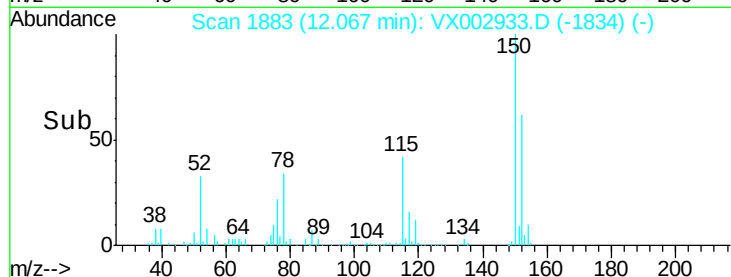
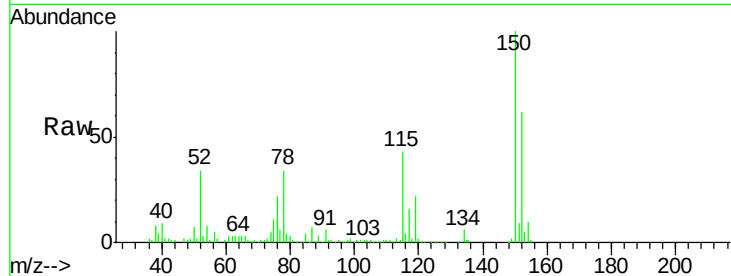
#86
 p-Isopropyltoluene
 Concen: 0.75 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002933.D
 Acq: 27 Jun 2018 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0480-180622

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.4	13.4	40.1
91	30.3	11.9	35.7

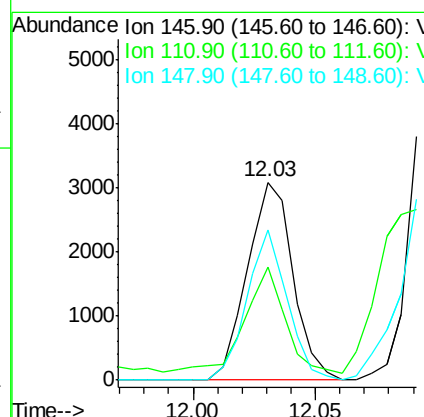
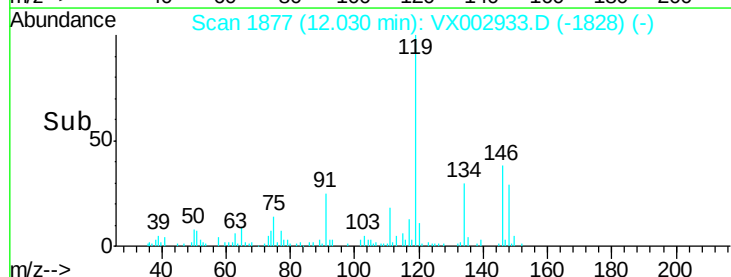
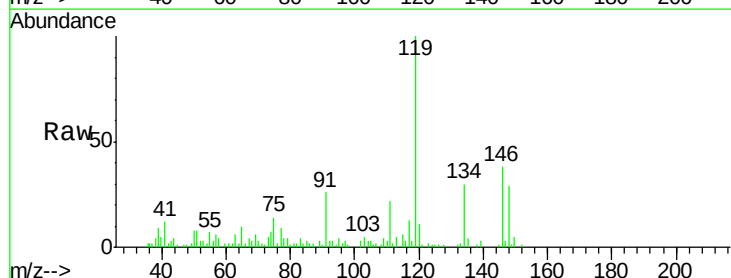
Manual Integrations
 APPROVED

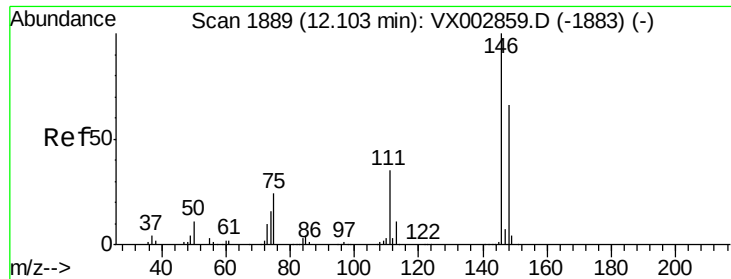
MMDadoda
 6/28/2018 4:47:53 PM



#87
 1,3-Dichlorobenzene
 Concen: 0.56 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002933.D
 Acq: 27 Jun 2018 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	59.2	18.9	56.7#
148	66.7	32.1	96.3





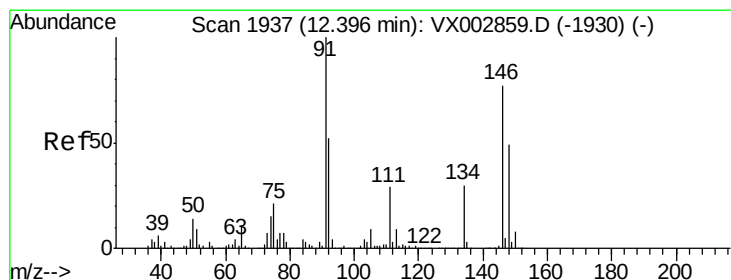
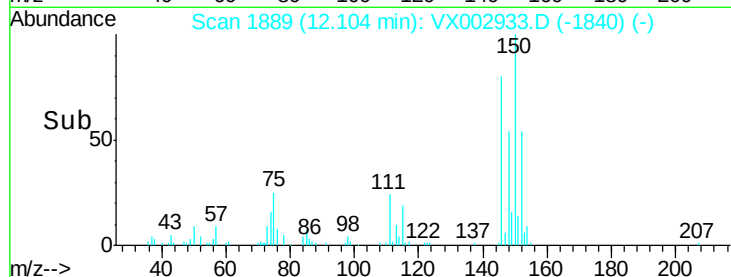
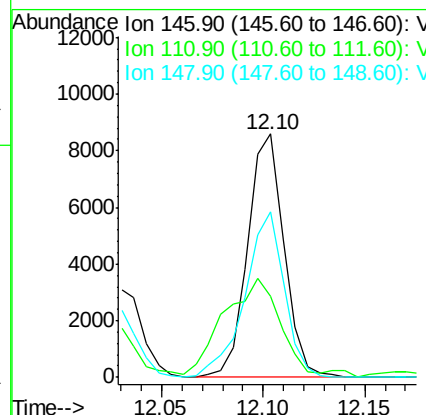
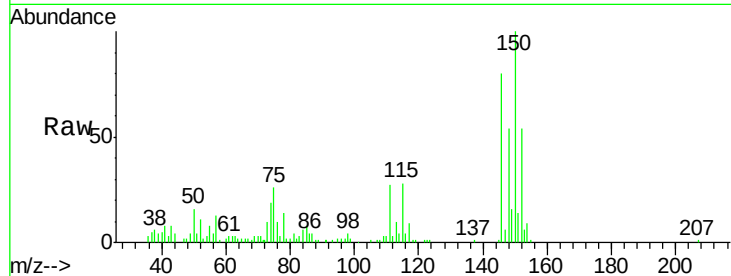
#88
 1,4-Dichlorobenzene
 Concen: 1.44 ug/l m
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002933.D
 Acq: 27 Jun 2018 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0480-180622

Tot Ion	Ratio	Lower	Upper
146	100		
111	19.7	18.7	56.1
148	25.3	32.4	97.0#

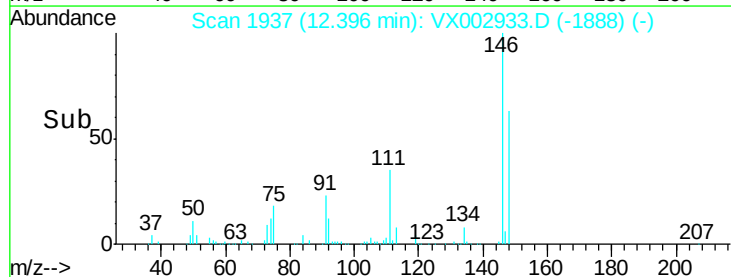
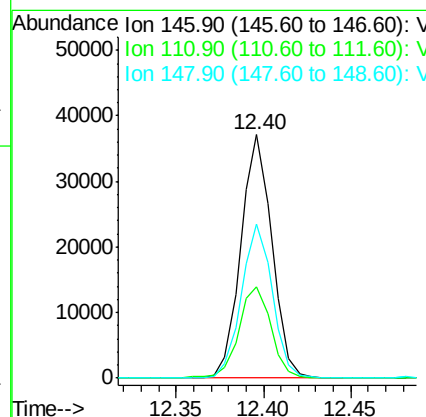
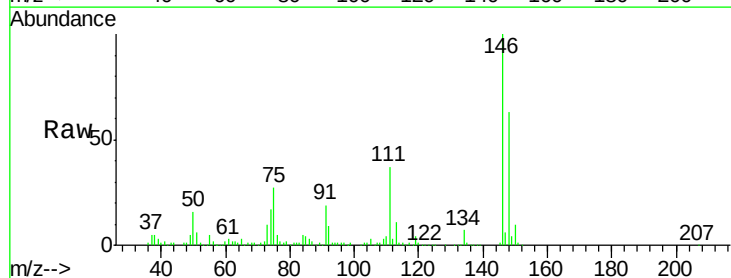
Manual Integrations
 APPROVED

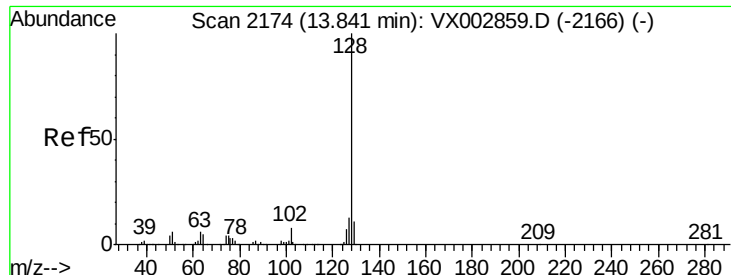
MMDadoda
 6/28/2018 4:47:53 PM



#91
 1,2-Dichlorobenzene
 Concen: 6.37 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002933.D
 Acq: 27 Jun 2018 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	63.2	31.7	95.1





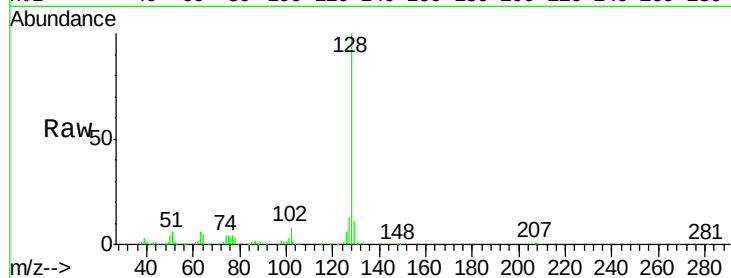
#95
Naphthalene
Concen: 2.58 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002933.D
Acq: 27 Jun 2018 13:51

Instrument :
MSVOA_X
ClientSampleId :
DUP-0480-180622

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:53 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

