

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061818\
 Data File : VX002695.D
 Acq On : 18 Jun 2018 23:14
 Operator : JC/MD
 Sample : J3563-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-07R

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:05:36 PM

Quant Time: Jun 19 06:44:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	307409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168845	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	147390	44.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.08%	
35) Dibromofluoromethane	5.51	113	114509	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
50) Toluene-d8	8.72	98	436610	46.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.74%	
62) 4-Bromofluorobenzene	11.14	95	155387	44.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.04%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.53	142	3239	6.011	ug/l	97
16) Acetone	2.45	43	11646	7.977	ug/l	96
17) Carbon Disulfide	2.57	76	4260	0.738	ug/l	98
30) Chloroform	5.23	83	1977	0.432	ug/l	98
31) Cyclohexane	5.58	56	5443	1.393	ug/l	95
39) Methylcyclohexane	7.46	83	4146	1.086	ug/l	97
40) Benzene	6.15	78	2743	0.280	ug/l	95
67) Ethyl Benzene	10.26	91	15569	1.317	ug/l	97
68) m/p-Xylenes	10.37	106	9224	2.022	ug/l	99
69) o-Xylene	10.70	106	2712	0.605	ug/l	94
73) Isopropylbenzene	11.02	105	47063	4.168	ug/l	98
78) n-propylbenzene	11.37	91	54587	4.215	ug/l	99
82) 4-Chlorotoluene	11.51	91	3598	0.394	ug/l #	70
83) tert-Butylbenzene	11.77	119	9867	1.073	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	127943	13.138	ug/l	97
85) sec-Butylbenzene	11.95	105	43573	3.812	ug/l	81
86) p-Isopropyltoluene	12.07	119	16585	1.603	ug/l	95
89) n-Butylbenzene	12.39	91	18721m	2.052	ug/l	
95) Naphthalene	13.84	128	358712	31.631	ug/l	98

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

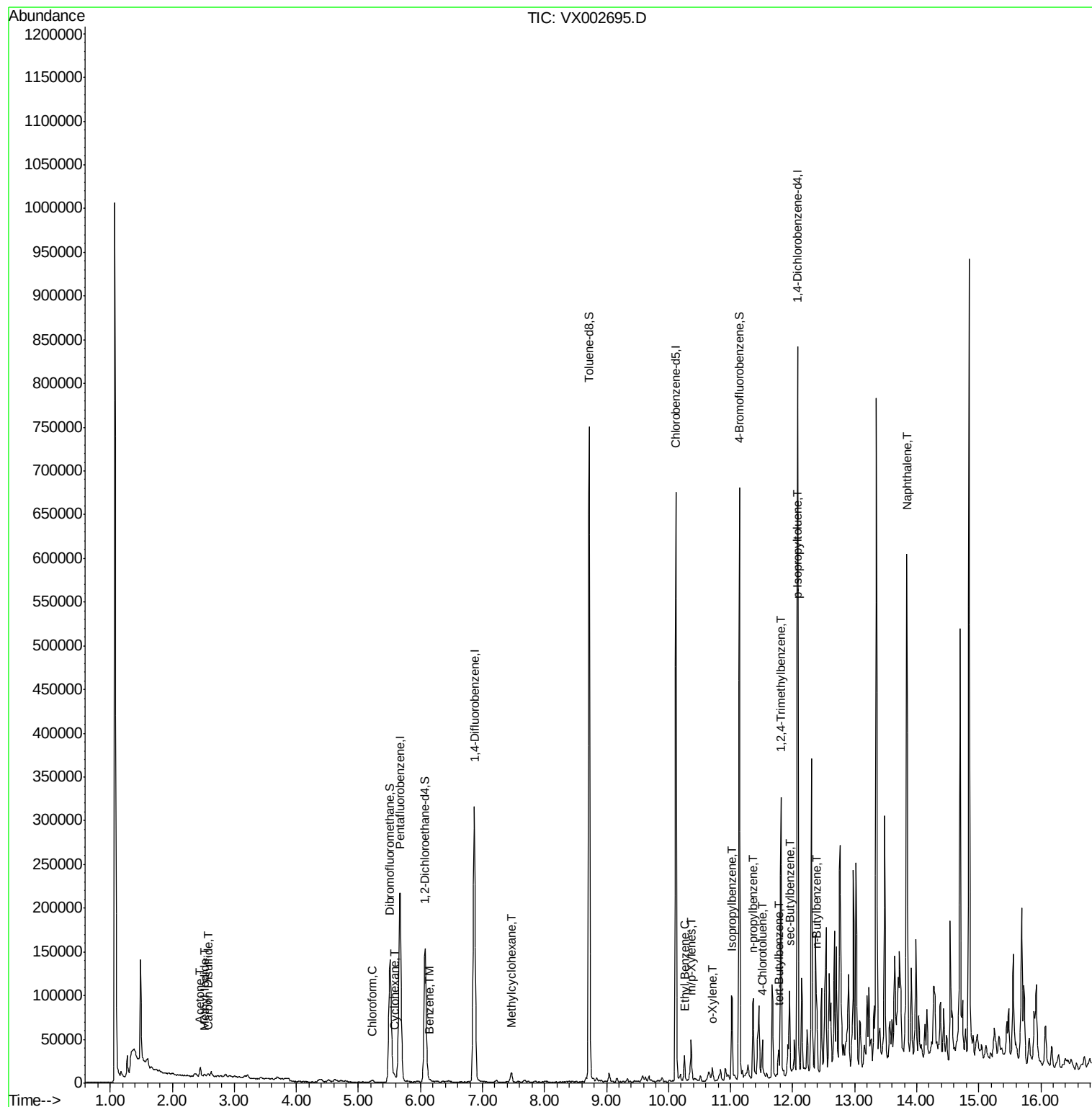
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061818\
Data File : VX002695.D
Acq On : 18 Jun 2018 23:14
Operator : JC/MD
Sample : J3563-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

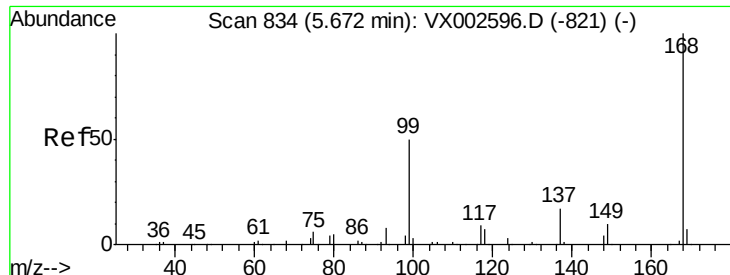
Instrument :
MSVOA_X
ClientSampleId :
W-07R

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:36 PM

Quant Time: Jun 19 06:44:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

W-07R

Tot Ion:168 Resp: 217772

Ion Ratio Lower Upper

168 100

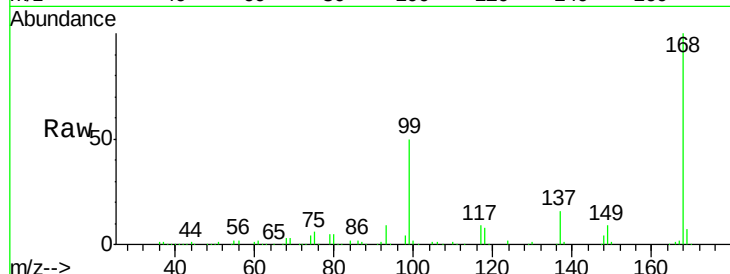
99 50.1 39.3 58.9

Manual Integrations

APPROVED

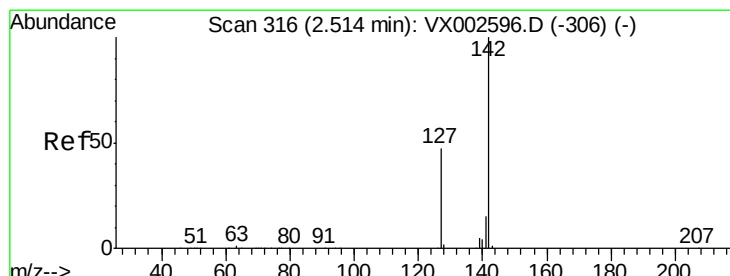
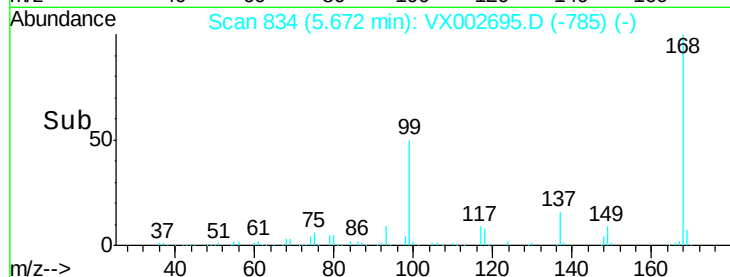
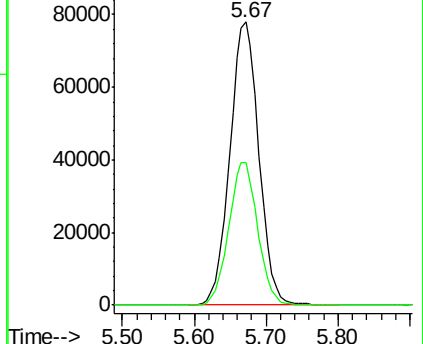
MMDadoda

6/19/2018 1:05:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 6.011 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

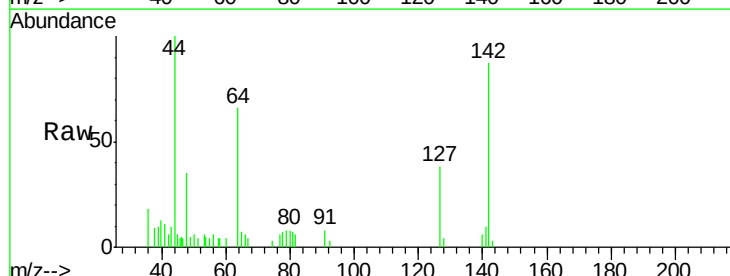
Tgt Ion:142 Resp: 3239

Ion Ratio Lower Upper

142 100

127 47.9 36.6 55.0

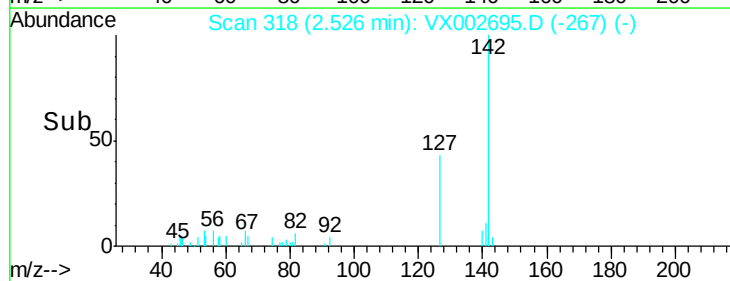
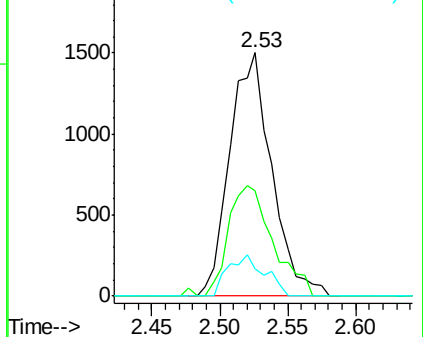
141 14.8 11.3 16.9

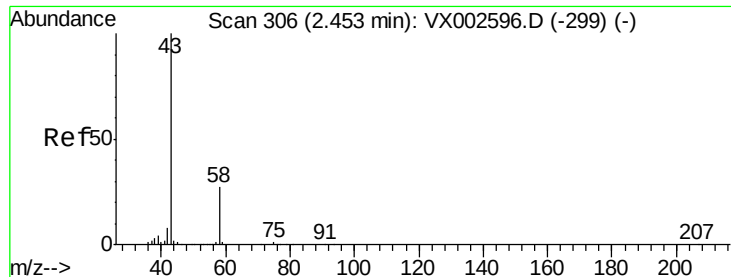


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 7.977 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

W-07R

Tot Ion: 43 Resp: 11646

Ion Ratio Lower Upper

43 100

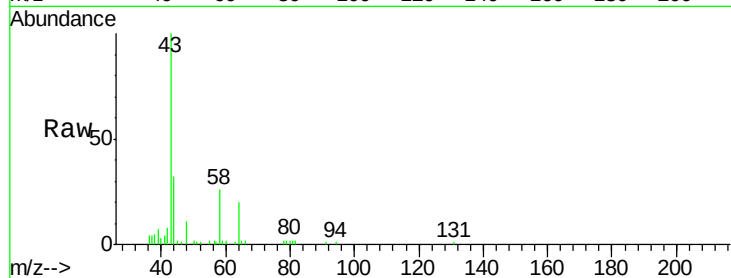
58 25.3 22.1 33.1

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:05:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

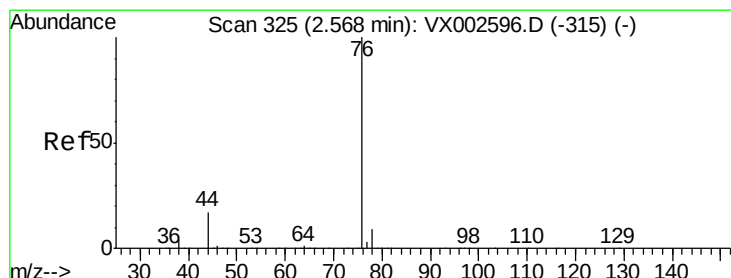
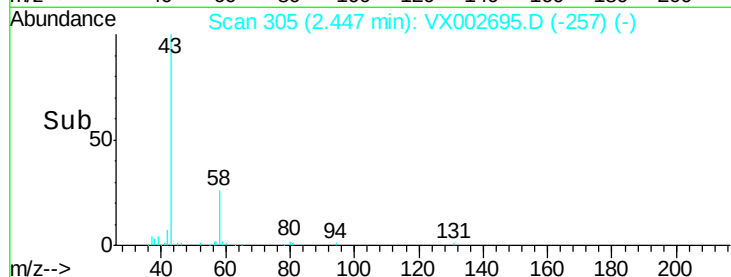
4000

2000

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.738 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002695.D

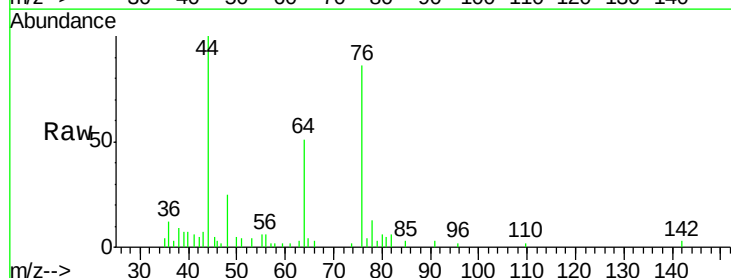
Acq: 18 Jun 2018 23:14

Tgt Ion: 76 Resp: 4260

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2500

2000

1500

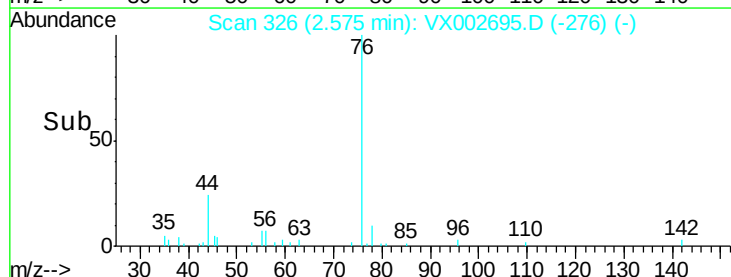
1000

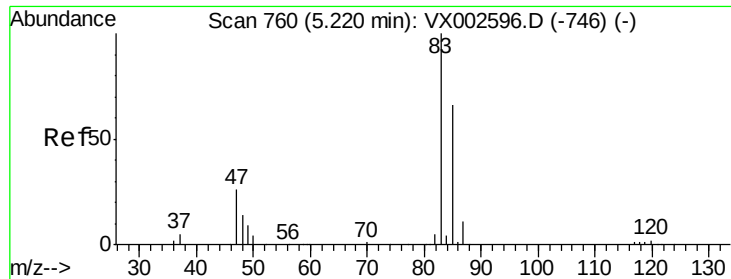
500

0

2.50 2.55 2.60 2.65

Time-->





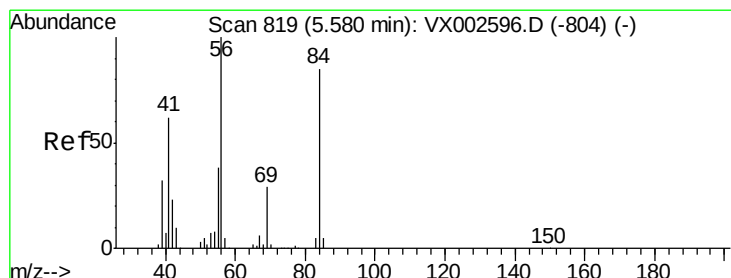
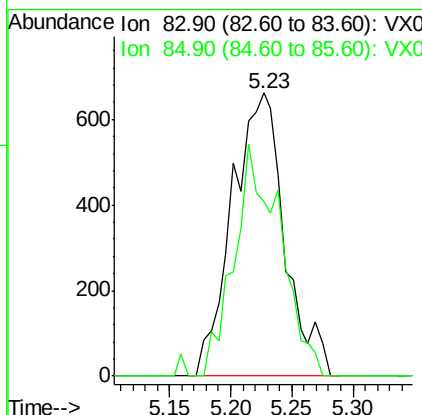
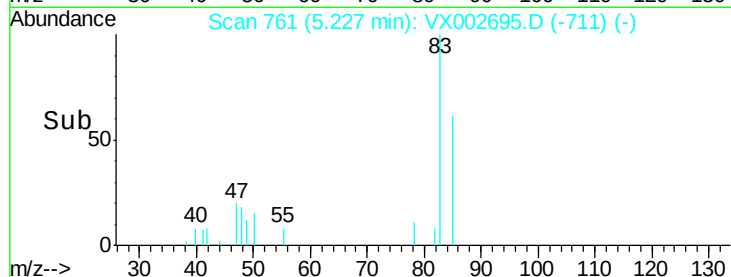
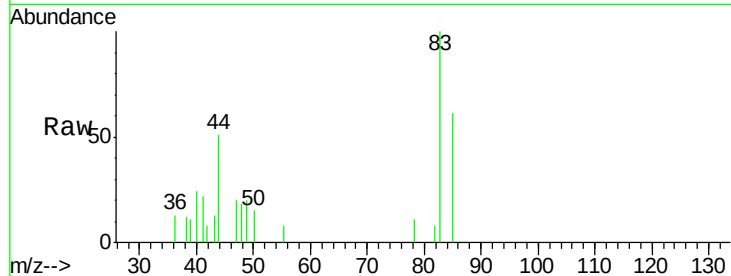
#30
Chloroform
Concen: 0.432 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampled :
W-07R

Tot Ion: 83 Resp: 1977
Ion Ratio Lower Upper
83 100
85 61.5 50.4 75.6

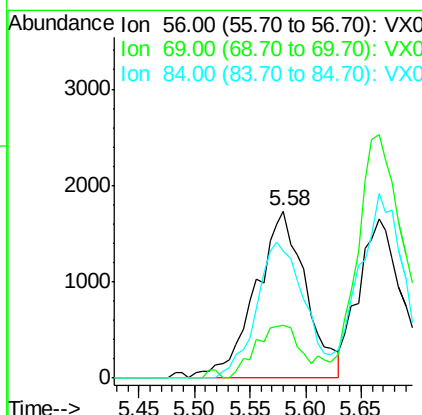
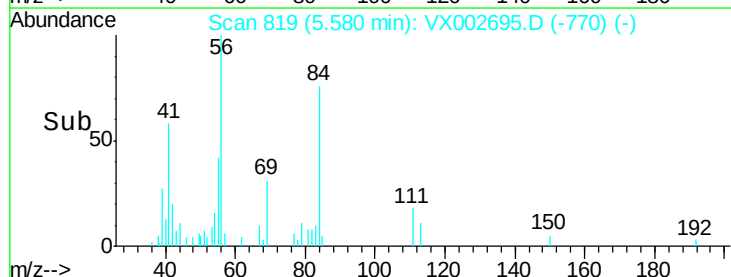
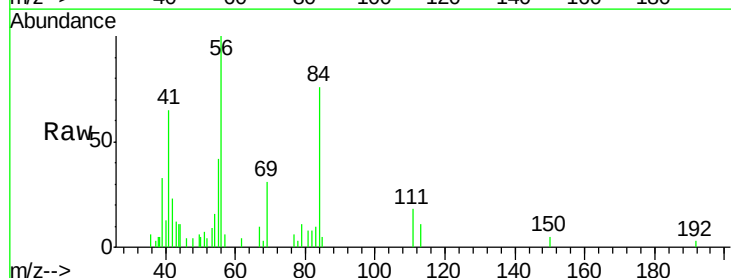
Manual Integrations
APPROVED

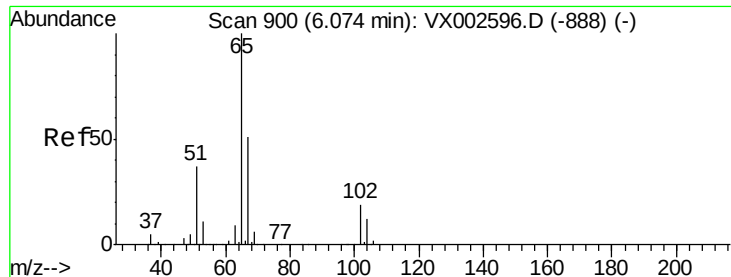
MMDadoda
6/19/2018 1:05:36 PM



#31
Cyclohexane
Concen: 1.393 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion: 56 Resp: 5443
Ion Ratio Lower Upper
56 100
69 31.3 23.7 35.5
84 75.7 64.1 96.1





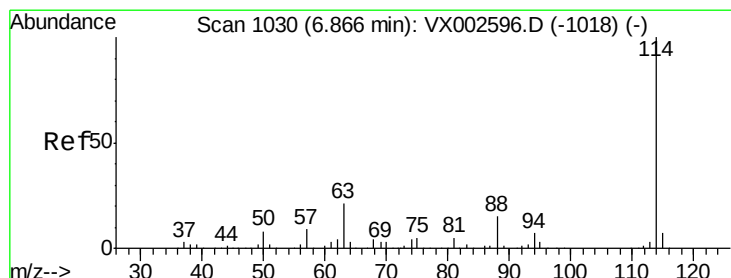
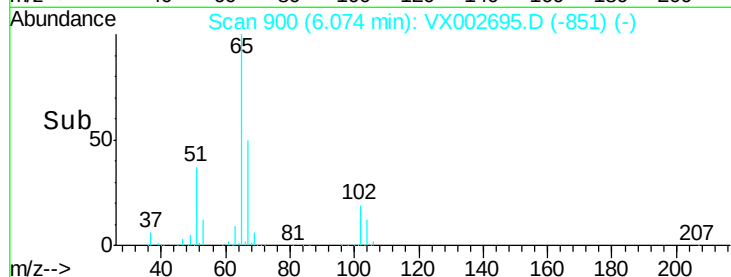
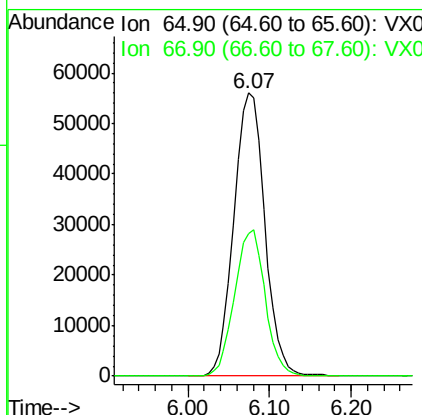
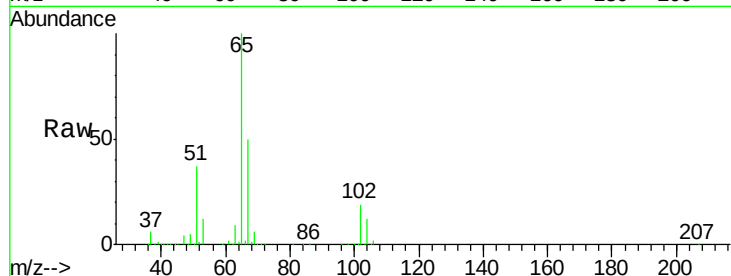
#33
 1,2-Dichloroethane-d4
 Concen: 44.538 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

Instrument :
 MSVOA_X
 ClientSampleId :
 W-07R

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.6

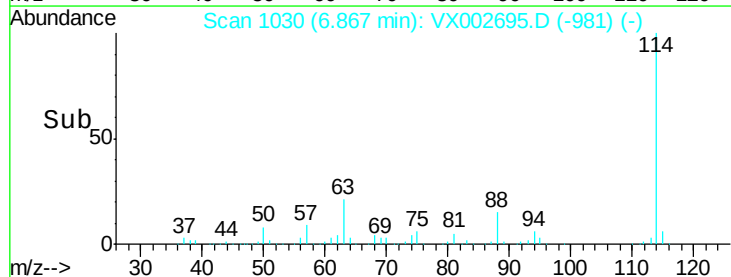
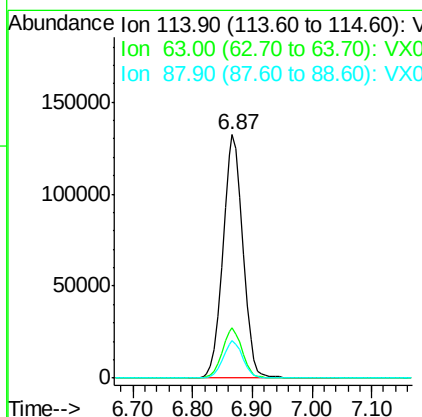
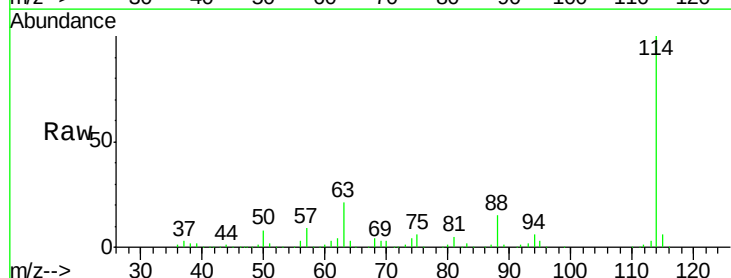
Manual Integrations
 APPROVED

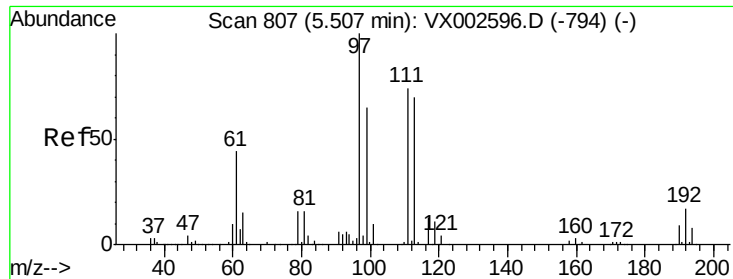
MMDadoda
 6/19/2018 1:05:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.4
88	15.3	0.0	30.0





#35

Dibromofluoromethane

Concen: 46.673 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

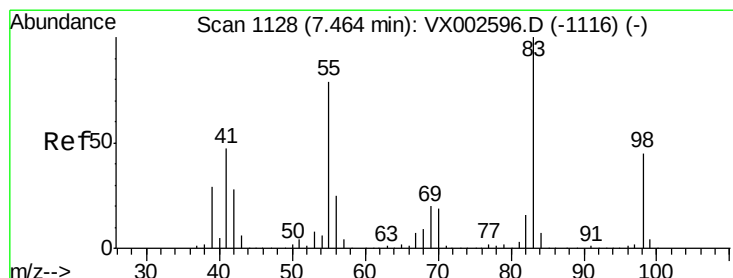
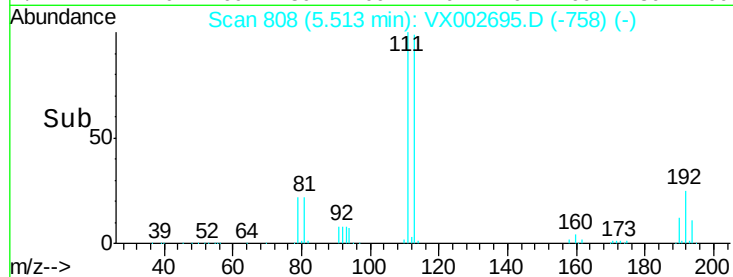
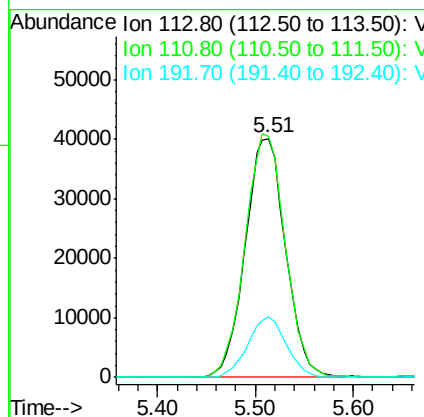
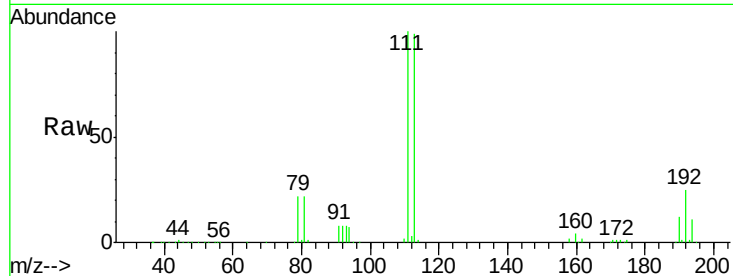
ClientSampleId :

W-07R

Tot Ion:	113	Resp:	114509
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.4	122.0
192	24.3	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:36 PM



#39

Methylcyclohexane

Concen: 1.086 ug/l

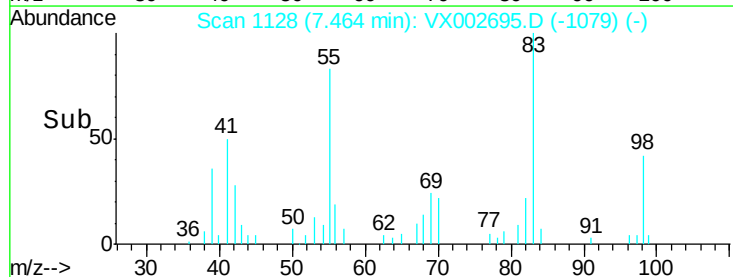
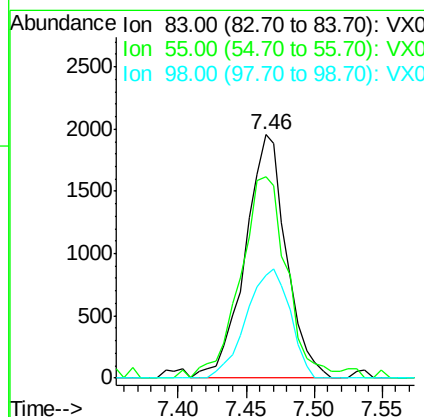
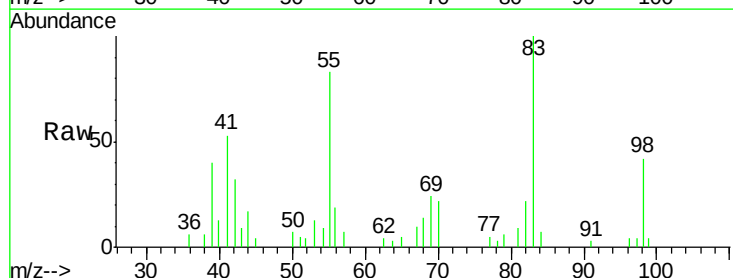
RT: 7.46 min Scan# 1128

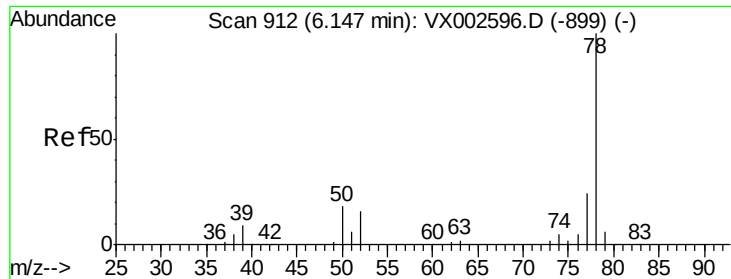
Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Tgt Ion:	83	Resp:	4146
Ion Ratio	Lower	Upper	
83	100		
55	82.5	65.4	98.0
98	42.0	37.4	56.0





#40

Benzene

Concen: 0.280 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampled :

W-07R

Tot Ion: 78 Resp: 2743

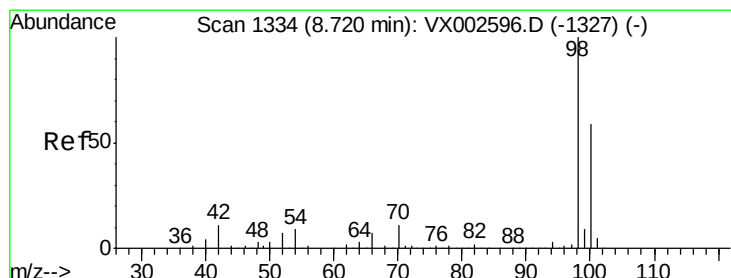
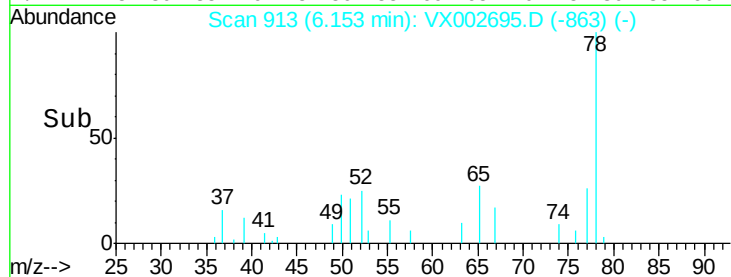
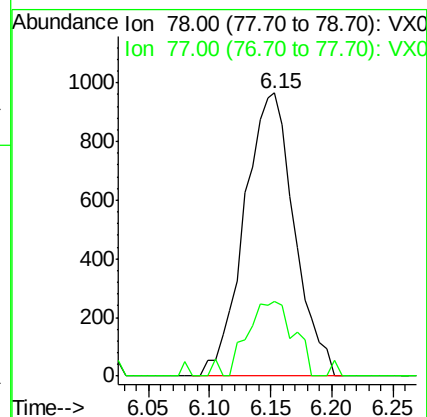
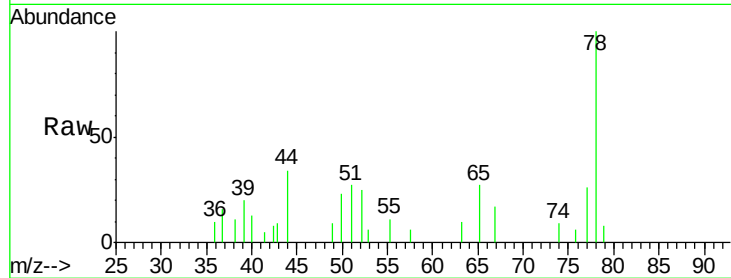
Ion Ratio Lower Upper

78 100

77 26.2 19.1 28.7

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:36 PM



#50

Toluene-d8

Concen: 46.869 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002695.D

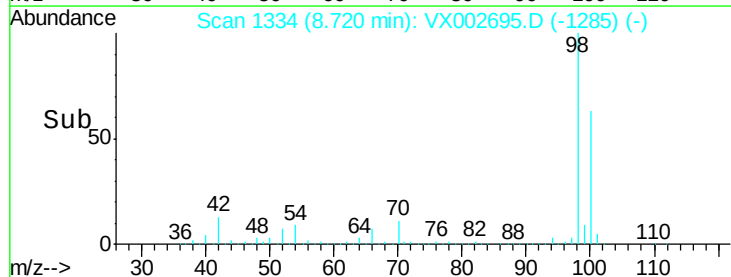
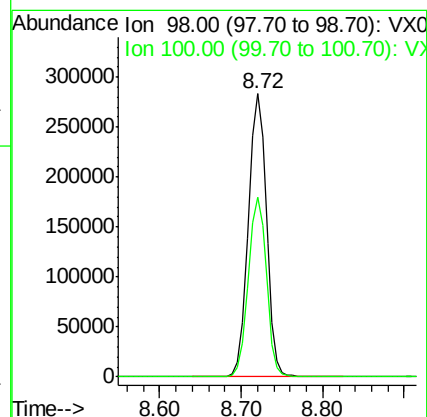
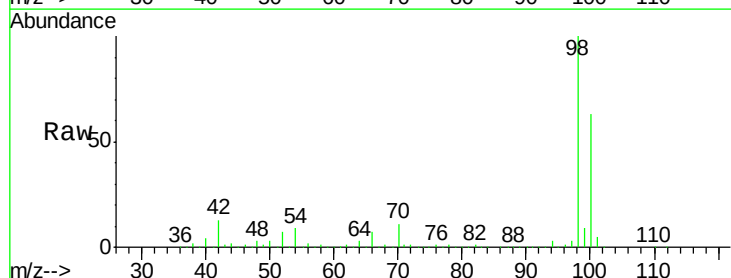
Acq: 18 Jun 2018 23:14

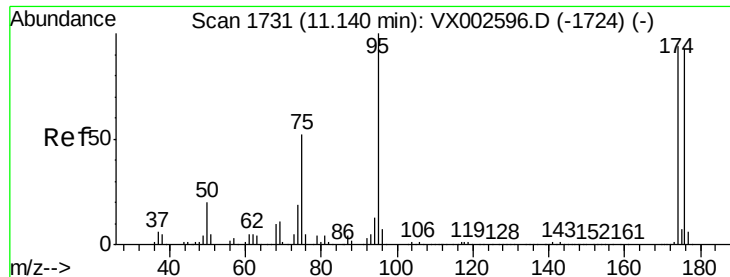
Tgt Ion: 98 Resp: 436610

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 44.019 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

W-07R

Tot Ion: 95 Resp: 155387

Ion Ratio Lower Upper

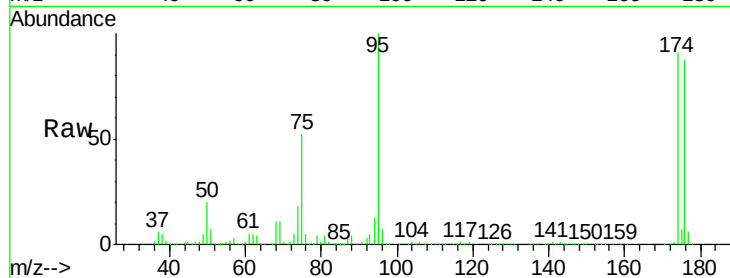
95 100

174 97.1 0.0 187.4

176 93.8 0.0 181.0

Manual Integrations
APPROVED

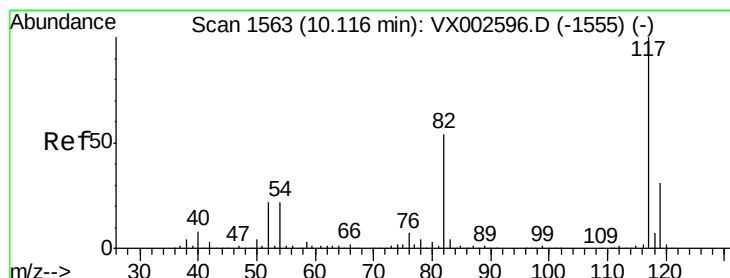
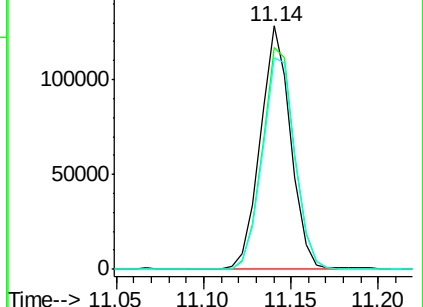
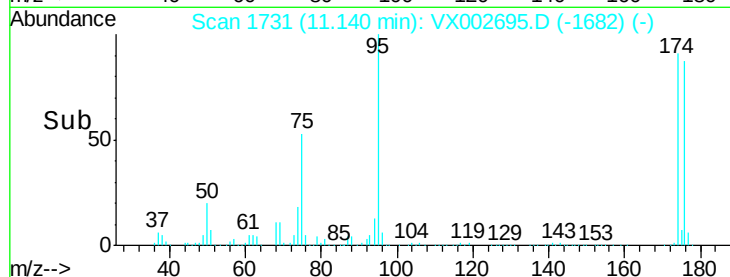
MMDadoda
6/19/2018 1:05:36 PM



Abundance Ion 94.90 (94.60 to 95.60): VX002695.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002695.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002695.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

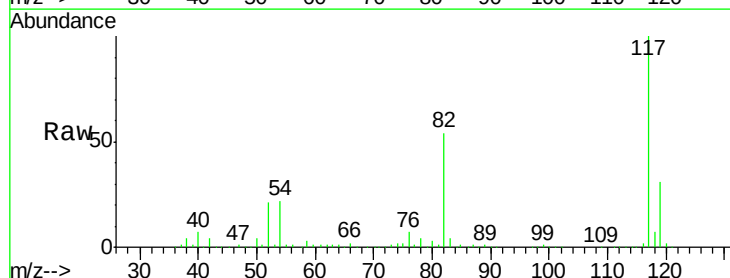
Tgt Ion: 117 Resp: 285487

Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.4

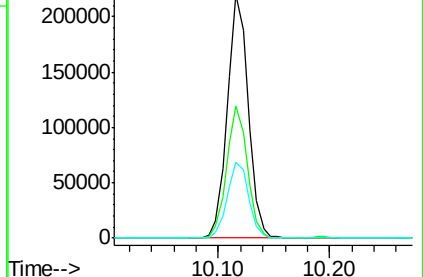
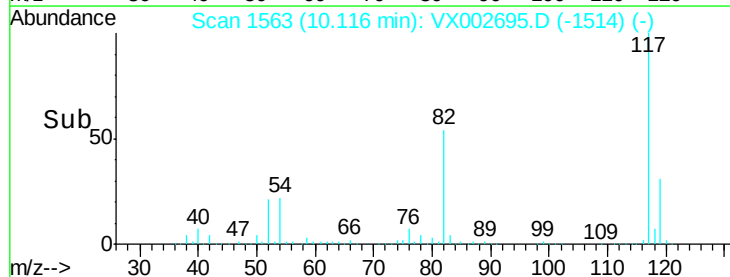
119 31.4 25.8 38.6

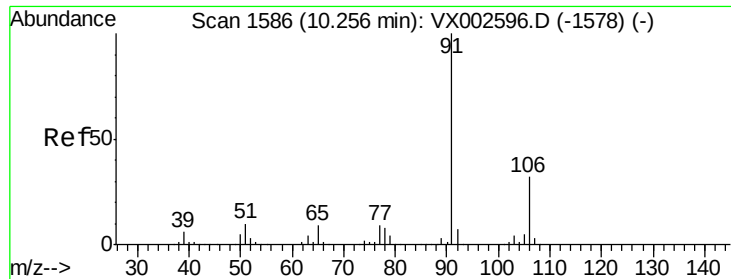


Abundance Ion 116.90 (116.60 to 117.60): VX002695.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002695.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002695.D (-1514) (-)





#67

Ethyl Benzene

Concen: 1.317 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampled :

W-07R

Tot Ion: 91 Resp: 15569

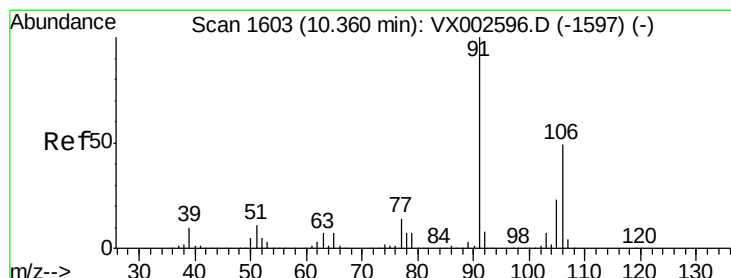
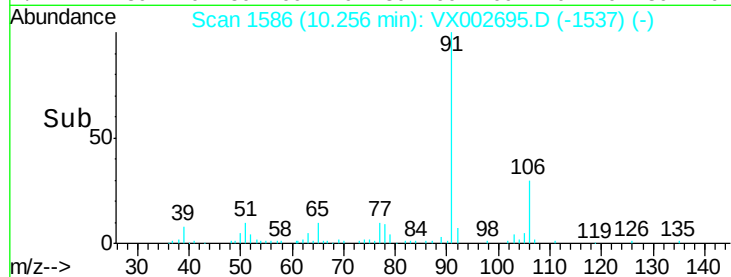
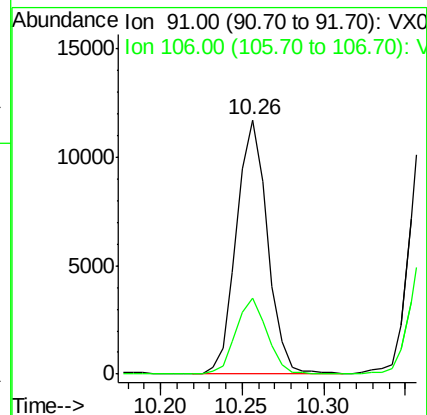
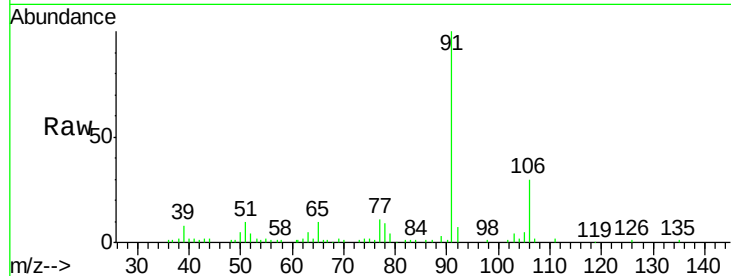
Ion Ratio Lower Upper

91 100

106 30.1 25.5 38.3

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:36 PM



#68

m/p-Xylenes

Concen: 2.022 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX002695.D

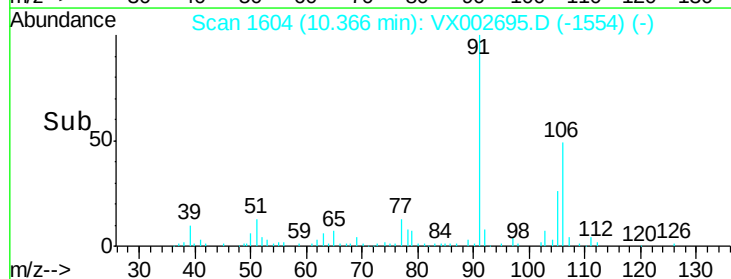
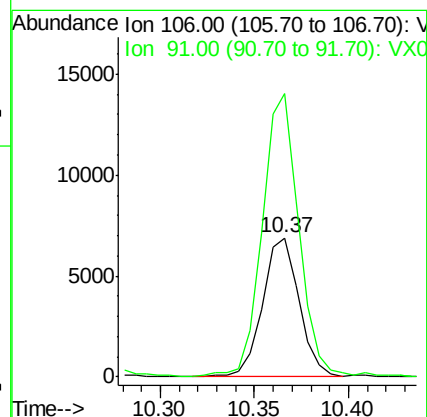
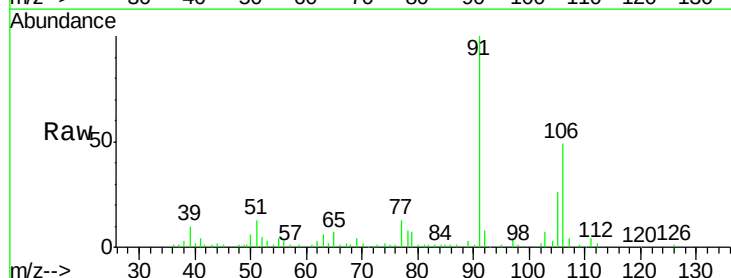
Acq: 18 Jun 2018 23:14

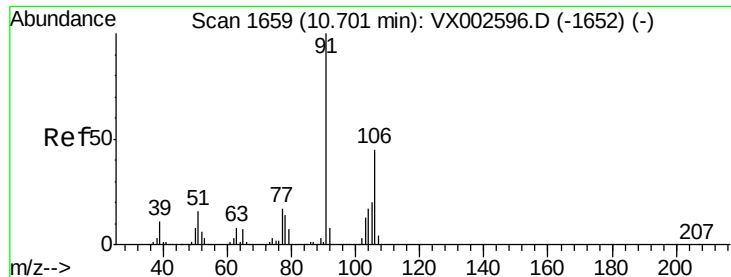
Tgt Ion: 106 Resp: 9224

Ion Ratio Lower Upper

106 100

91 205.4 163.4 245.2





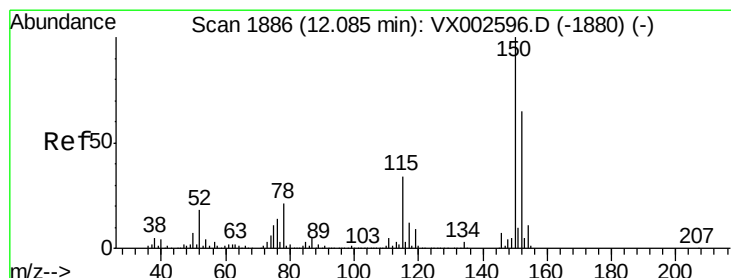
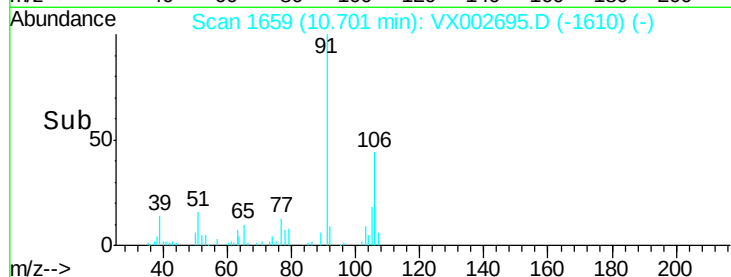
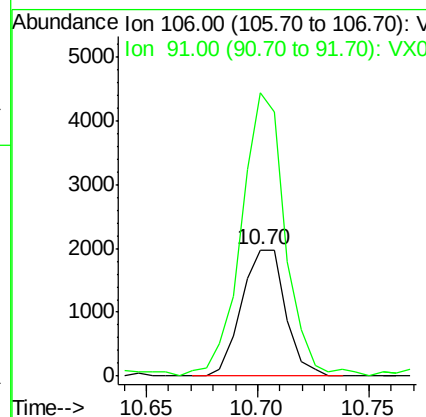
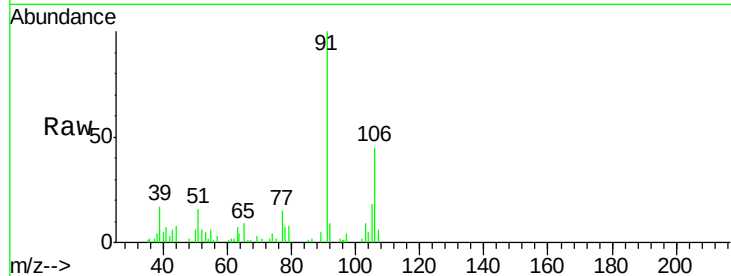
#69
o-Xylene
Concen: 0.605 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampled :
W-07R

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.7	108.2	324.6

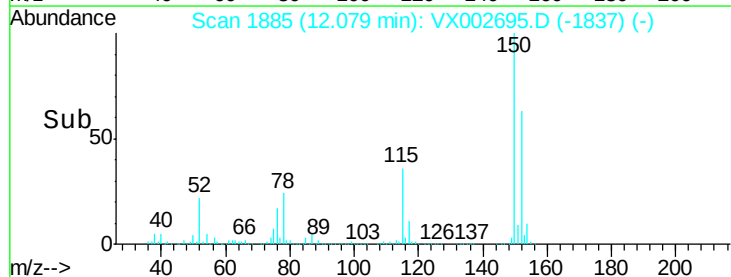
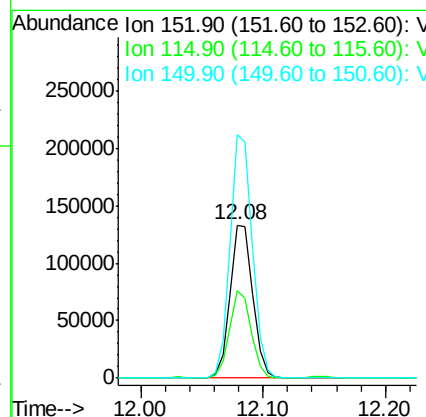
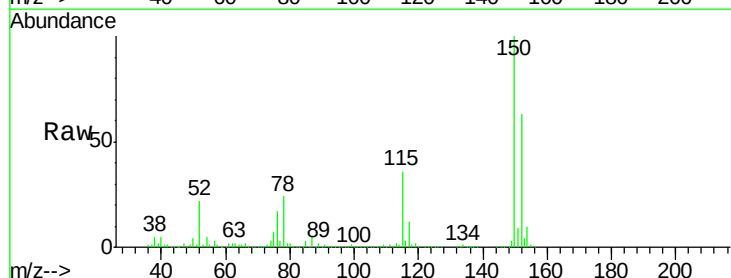
Manual Integrations
APPROVED

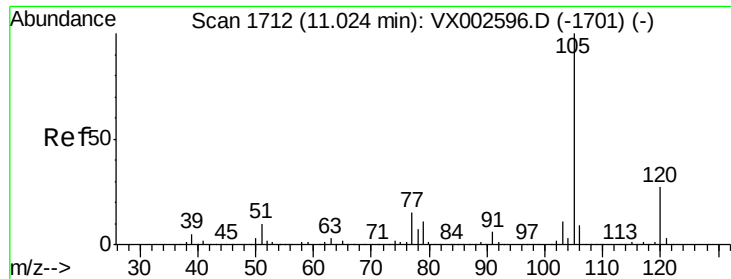
MMDadoda
6/19/2018 1:05:36 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	40.1	120.2
150	156.5	0.0	347.2





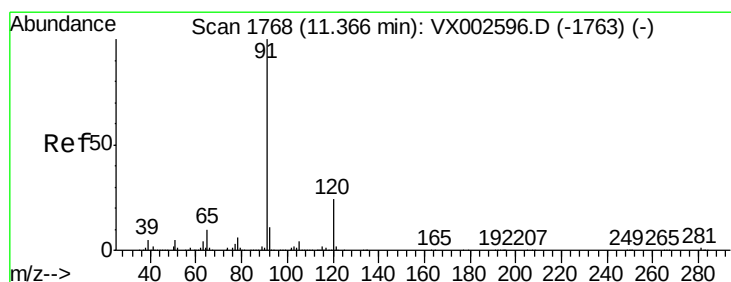
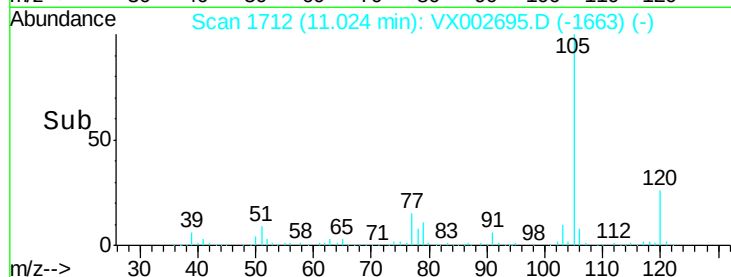
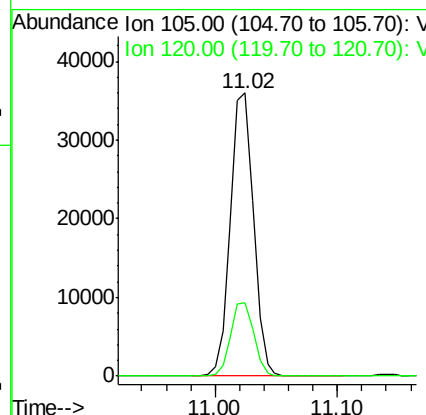
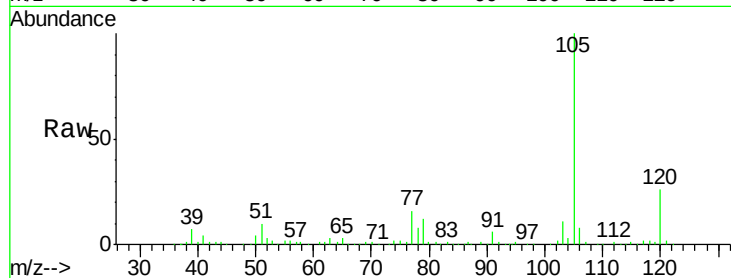
#73
Isopropylbenzene
Concen: 4.168 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampleId :
W-07R

Tot Ion: 105 Resp: 47063
Ion Ratio Lower Upper
105 100
120 26.0 13.5 40.4

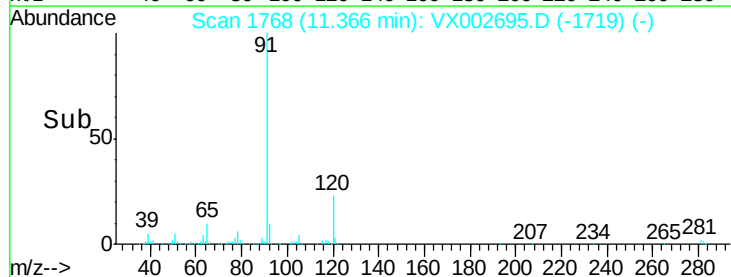
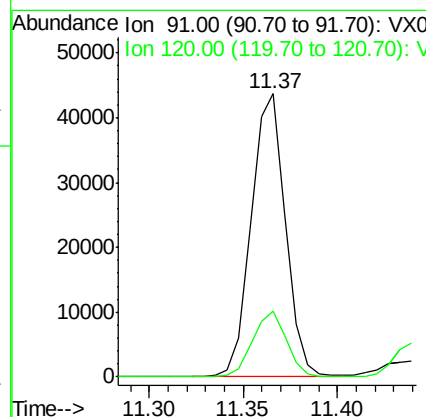
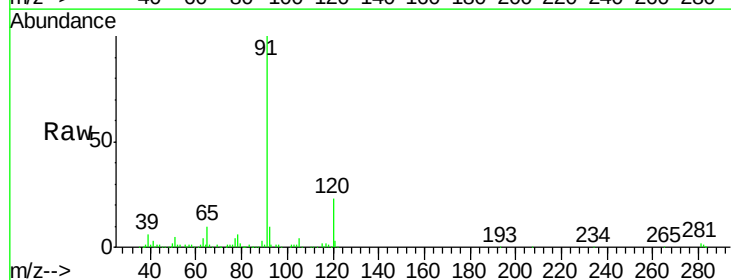
Manual Integrations
APPROVED

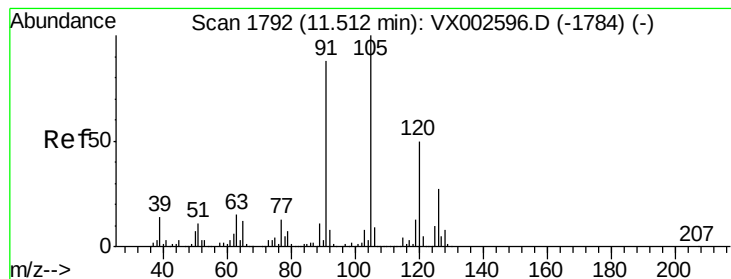
MMDadoda
6/19/2018 1:05:36 PM



#78
n-propylbenzene
Concen: 4.215 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion: 91 Resp: 54587
Ion Ratio Lower Upper
91 100
120 23.2 11.8 35.4





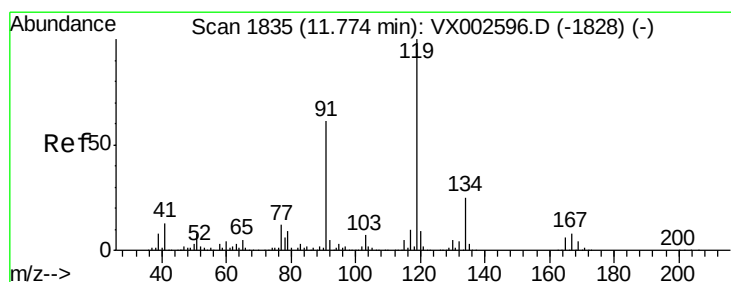
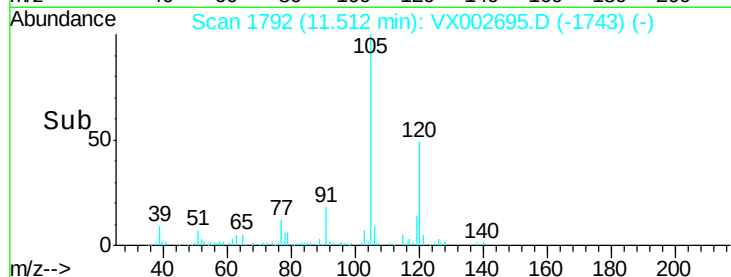
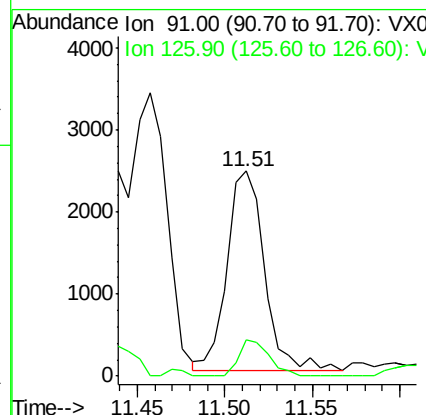
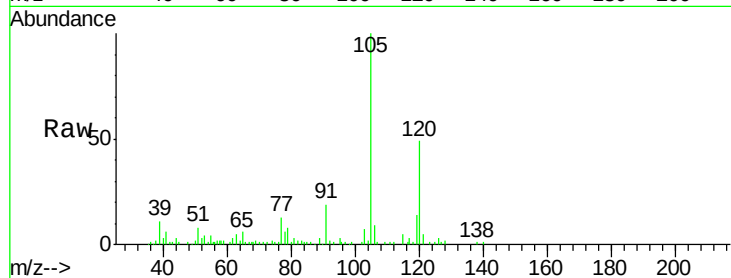
#82
4-Chlorotoluene
Concen: 0.394 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampled :
W-07R

Tot Ion: 91 Resp: 3598
Ion Ratio Lower Upper
91 100
126 14.6 15.4 46.4#

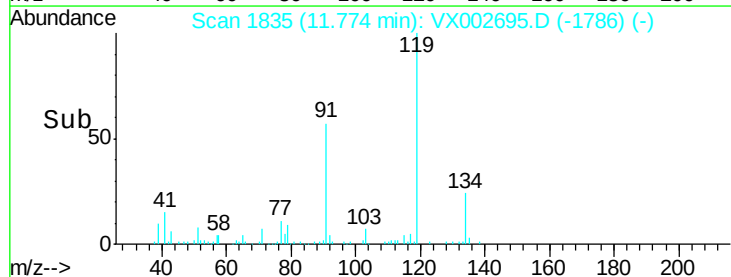
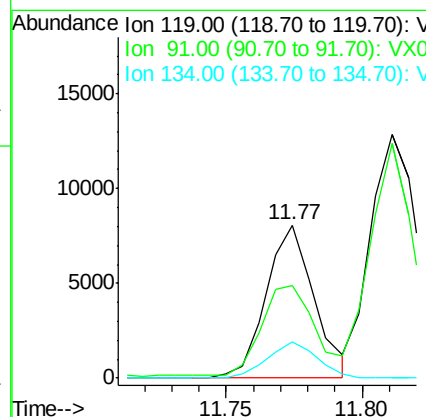
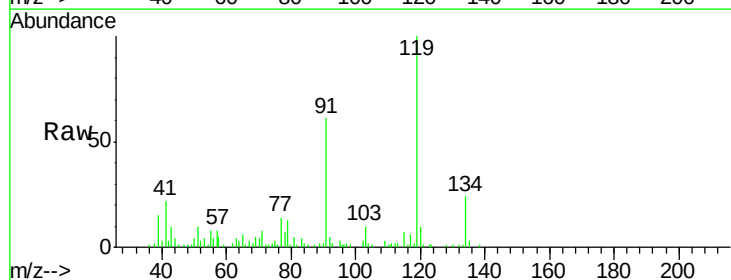
Manual Integrations
APPROVED

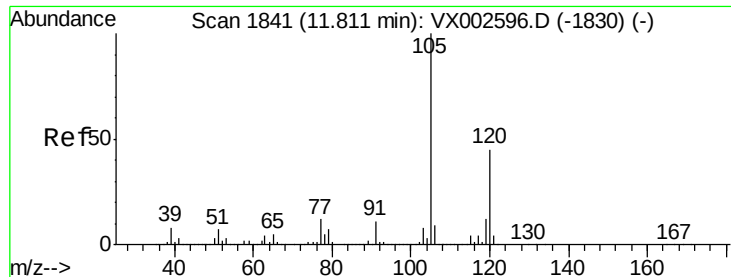
MMDadoda
6/19/2018 1:05:36 PM



#83
tert-Butylbenzene
Concen: 1.073 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion: 119 Resp: 9867
Ion Ratio Lower Upper
119 100
91 67.6 30.3 90.9
134 24.5 11.7 35.1





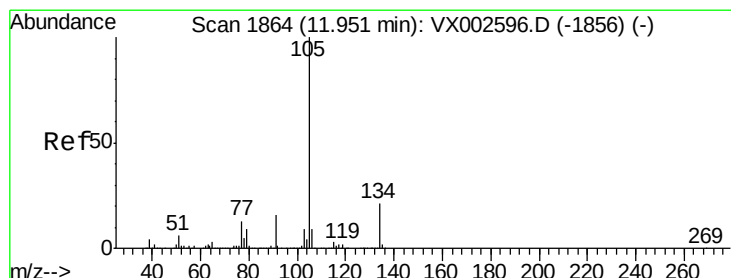
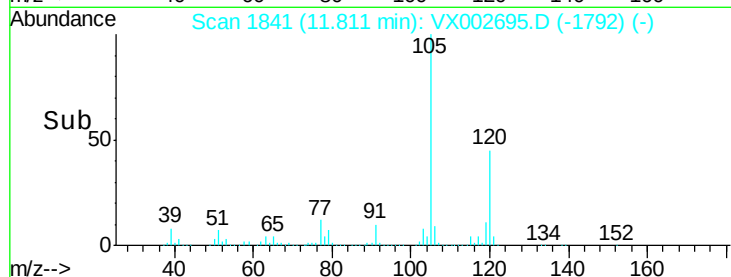
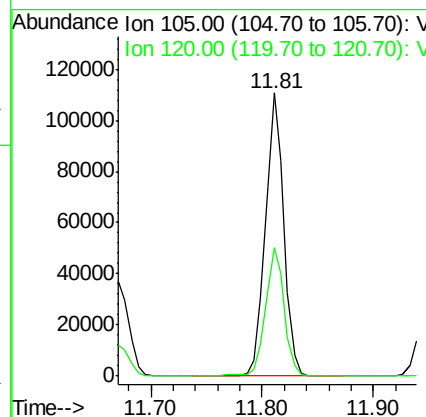
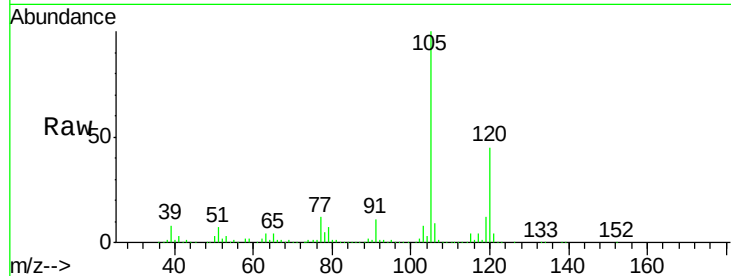
#84
 1,2,4-Trimethylbenzene
 Concen: 13.138 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

Instrument :
 MSVOA_X
 ClientSampleId :
 W-07R

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.3	66.8

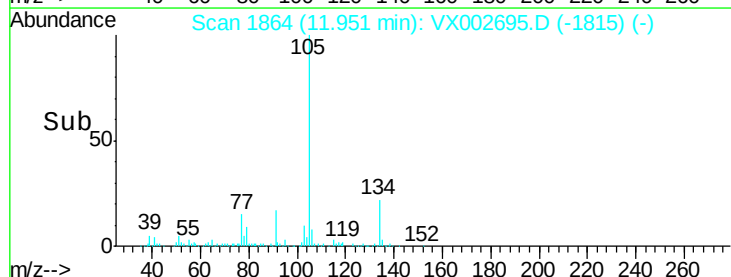
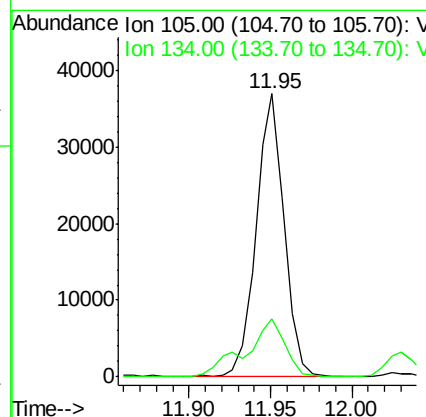
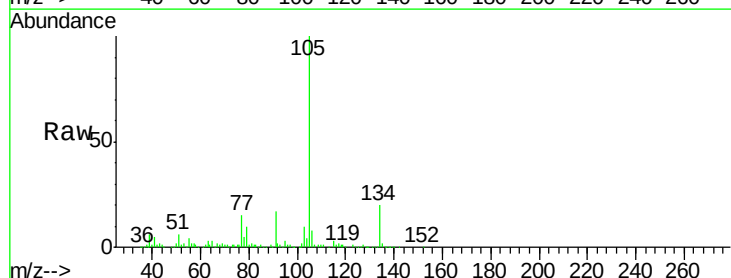
Manual Integrations
 APPROVED

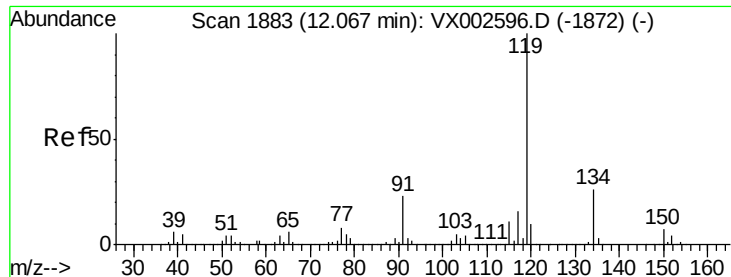
MMDadoda
 6/19/2018 1:05:36 PM



#85
 sec-Butylbenzene
 Concen: 3.812 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

Tgt Ion	Ratio	Lower	Upper
105	100		
134	29.5	10.4	31.1





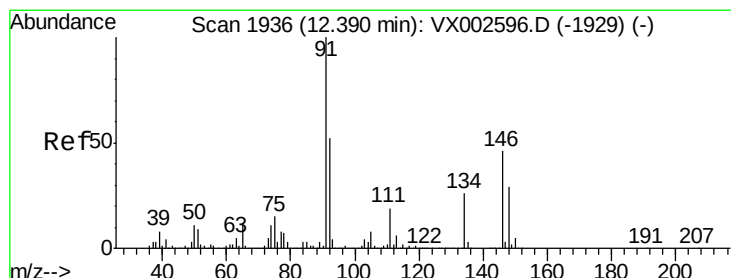
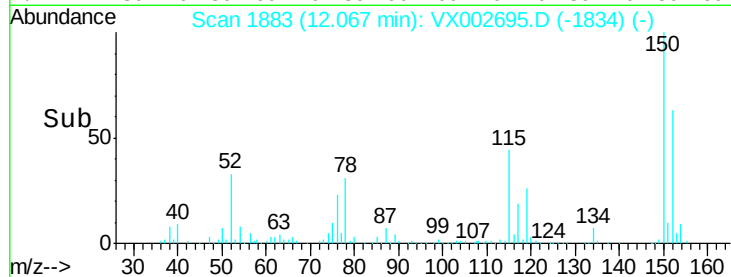
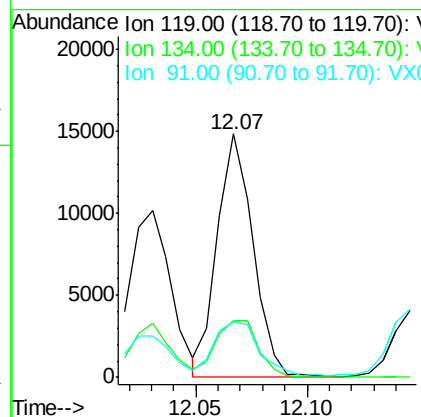
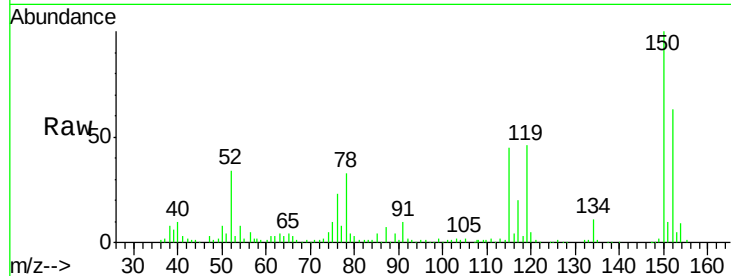
#86
p-Isopropyltoluene
Concen: 1.603 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampled :
W-07R

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16585		
134	27.8	13.4	40.1	
91	27.5	11.9	35.7	

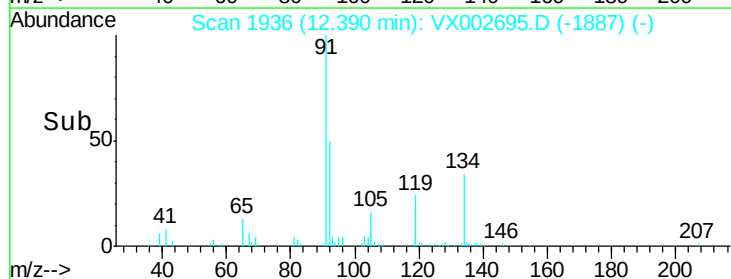
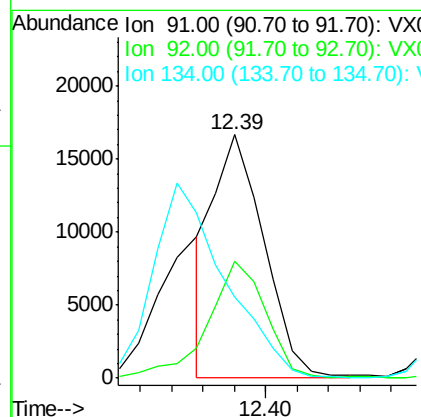
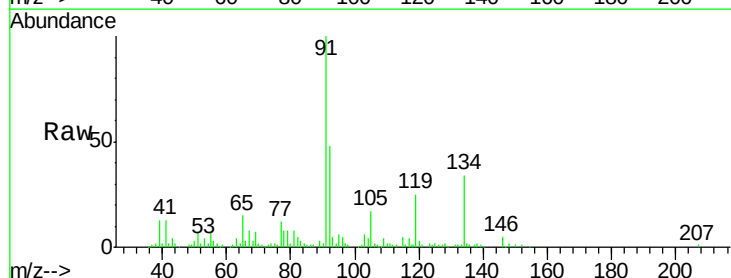
Manual Integrations
APPROVED

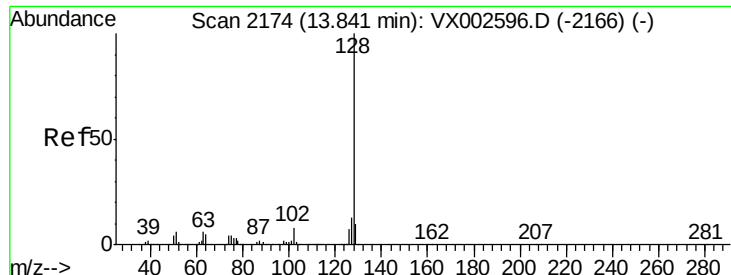
MMDadoda
6/19/2018 1:05:36 PM



#89
n-Butylbenzene
Concen: 2.052 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	18721		
92	53.5	26.0	78.0	
134	113.5	13.5	40.5#	





#95
Naphthalene
Concen: 31.631 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampleId :
W-07R

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:36 PM

