

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002619.D
 Acq On : 16 Jun 2018 01:28
 Operator : JC/MD
 Sample : J3467-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-02-061118

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:04 PM

Quant Time: Jun 16 04:25:08 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	210710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	304818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155067	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148115	46.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.52%	
35) Dibromofluoromethane	5.51	113	110446	45.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.80%	
50) Toluene-d8	8.72	98	442427	47.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.14	95	155220	44.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.70%	
Target Compounds						
						Qvalue
16) Acetone	2.45	43	6406	4.53	ug/l	96
31) Cyclohexane	5.58	56	10149	2.69	ug/l #	91
39) Methylcyclohexane	7.46	83	15549	4.11	ug/l	93
40) Benzene	6.15	78	5571	0.57	ug/l	99
52) Toluene	8.79	92	2653	0.43	ug/l	95
67) Ethyl Benzene	10.26	91	14729	1.26	ug/l	99
68) m/p-Xylenes	10.36	106	5257	1.16	ug/l	98
73) Isopropylbenzene	11.02	105	407869	39.33	ug/l	100
78) n-propylbenzene	11.37	91	185119	15.56	ug/l	100
83) tert-Butylbenzene	11.77	119	5297	0.63	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	3499	0.39	ug/l	96
85) sec-Butylbenzene	11.95	105	35406	3.37	ug/l	82
89) n-Butylbenzene	12.39	91	16312m	1.95	ug/l	

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

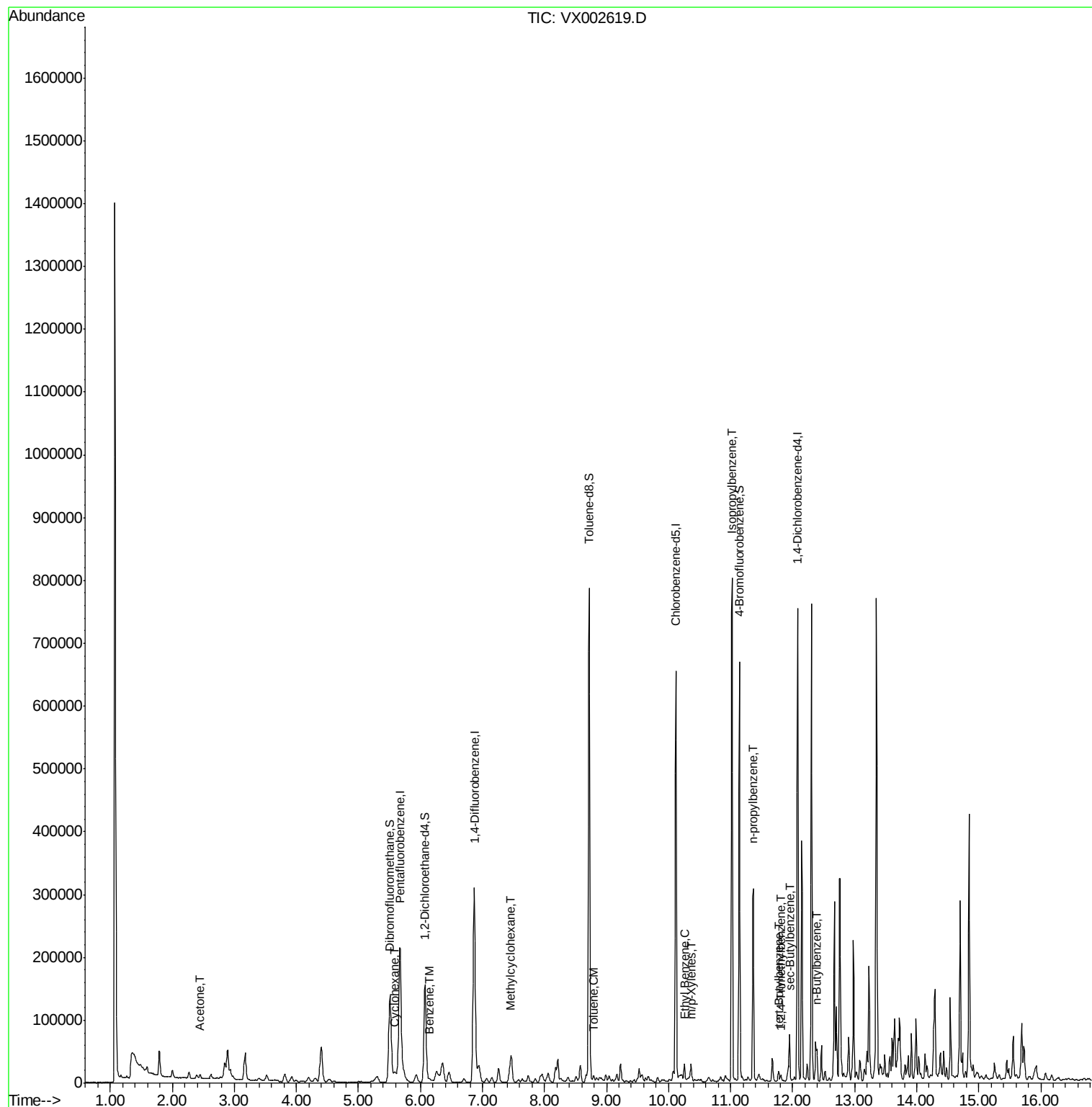
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002619.D
Acq On : 16 Jun 2018 01:28
Operator : JC/MD
Sample : J3467-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

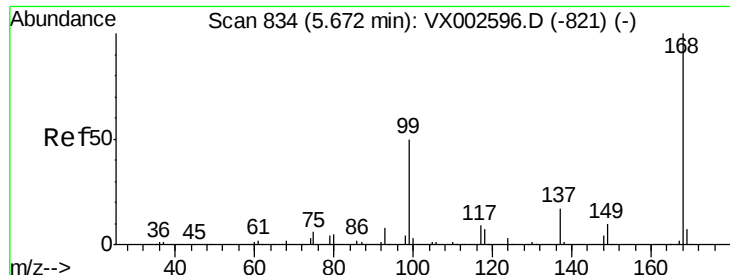
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-02-061118

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:04 PM

Quant Time: Jun 16 04:25:08 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: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-02-061118

Tot Ion:168 Resp: 210710

Ion Ratio Lower Upper

168 100

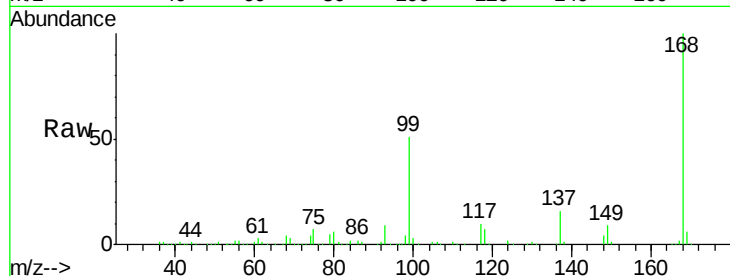
99 50.9 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

6/18/2018 5:12:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

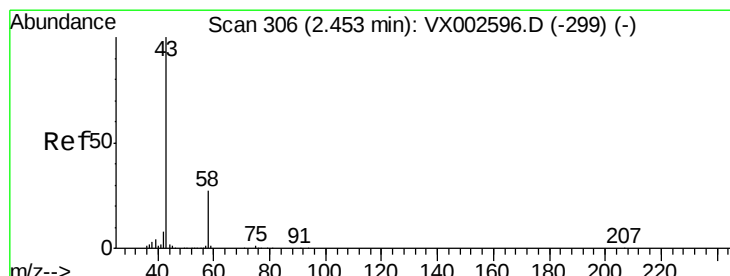
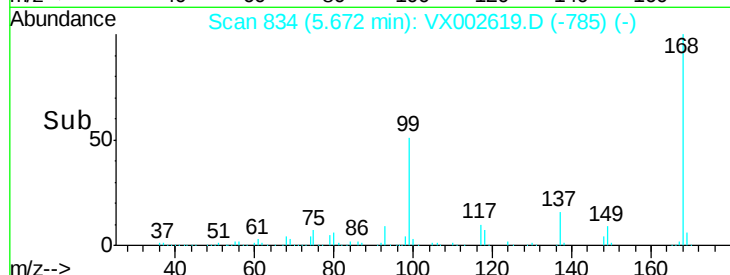
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.53 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002619.D

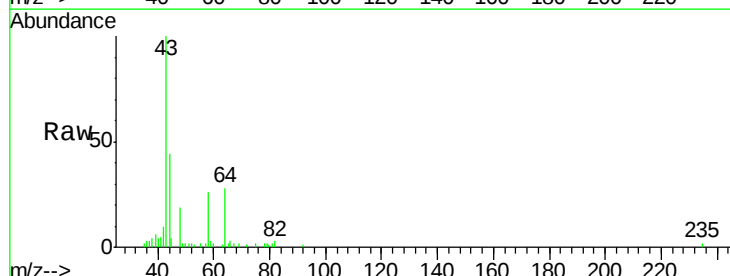
Acq: 16 Jun 2018 01:28

Tgt Ion: 43 Resp: 6406

Ion Ratio Lower Upper

43 100

58 25.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

5000

4000

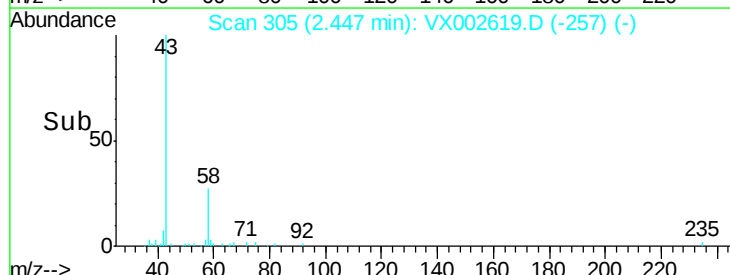
3000

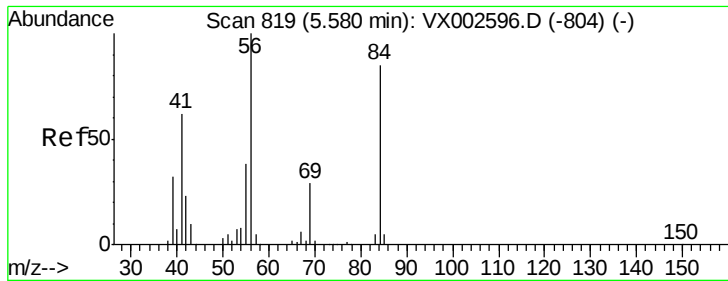
2000

1000

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 2.69 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

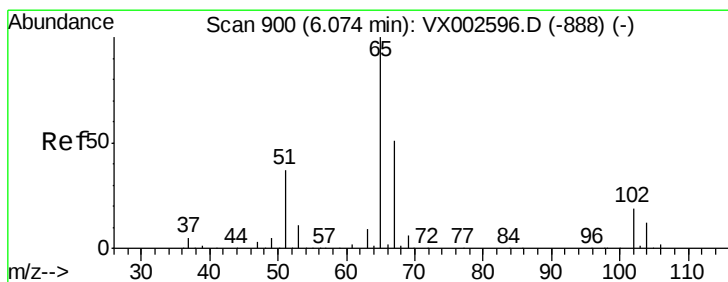
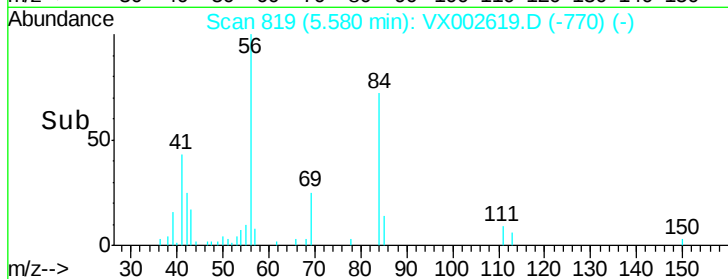
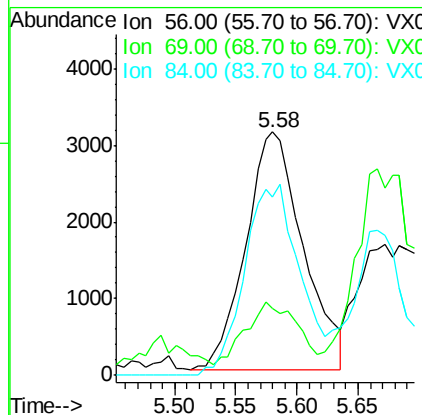
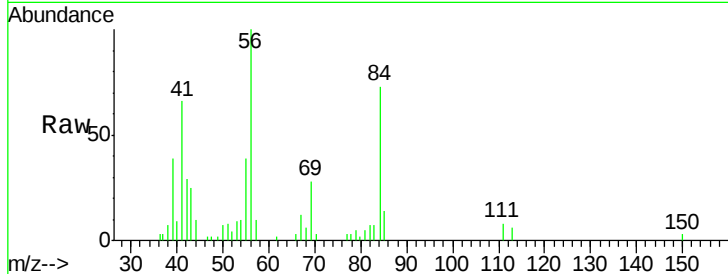
ClientSampleId :

PR-MW-02-061118

Tot Ion:	56	Resp:	10149
Ion Ratio	Lower	Upper	
56	100		
69	19.8	23.7	35.5#
84	74.8	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:04 PM



#33

1,2-Dichloroethane-d4

Concen: 46.26 ug/l

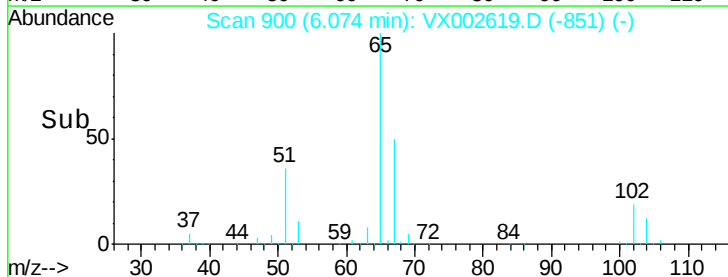
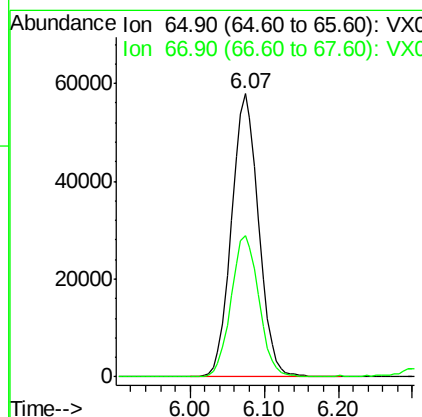
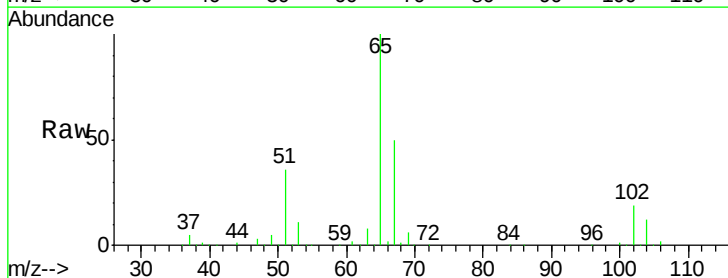
RT: 6.07 min Scan# 900

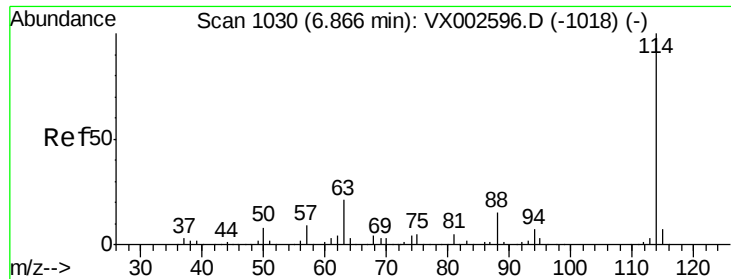
Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Tgt Ion:	65	Resp:	148115
Ion Ratio	Lower	Upper	
65	100		
67	51.2	0.0	102.6





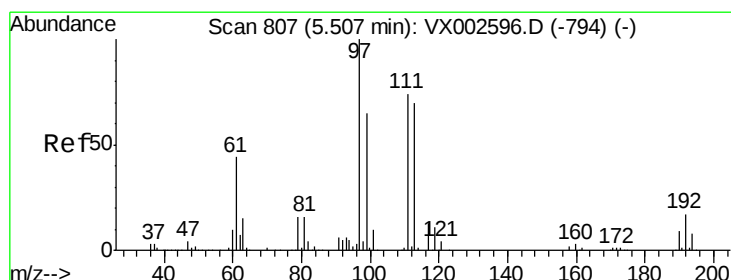
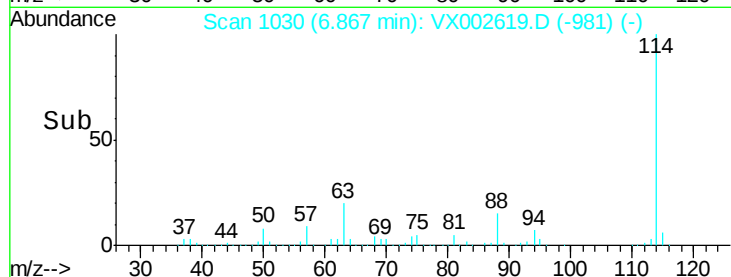
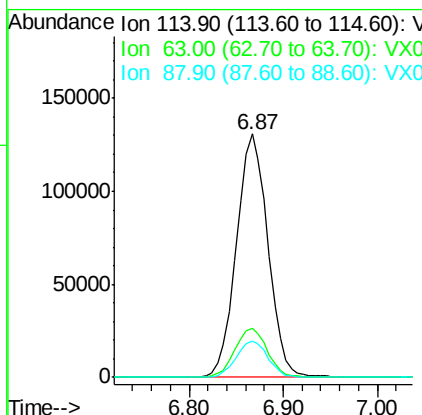
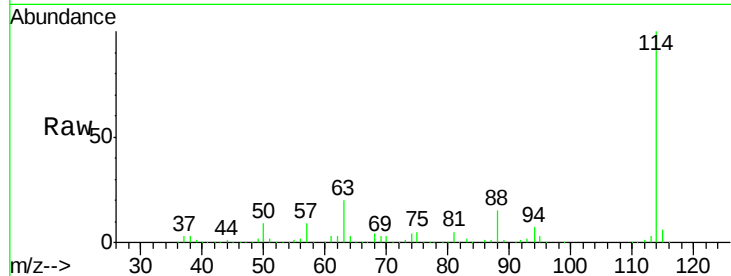
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-02-061118

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	19.9	0.0	41.4
88	15.1	0.0	30.0

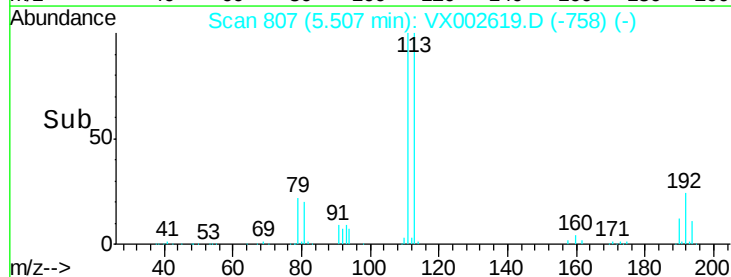
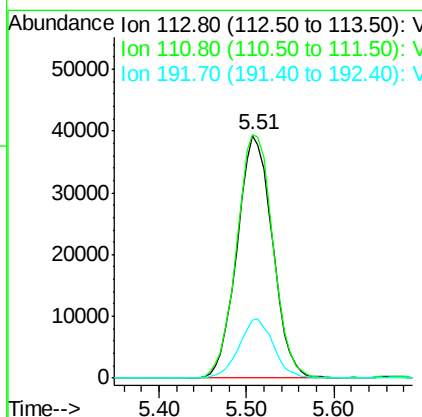
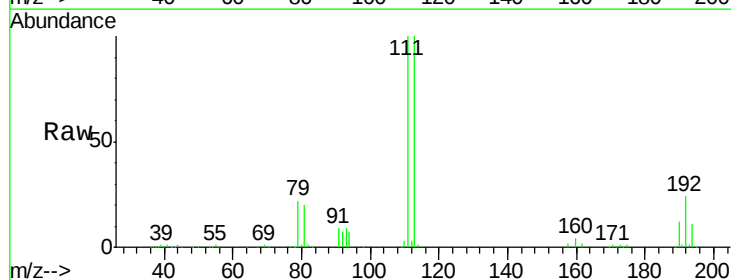
Manual Integrations
 APPROVED

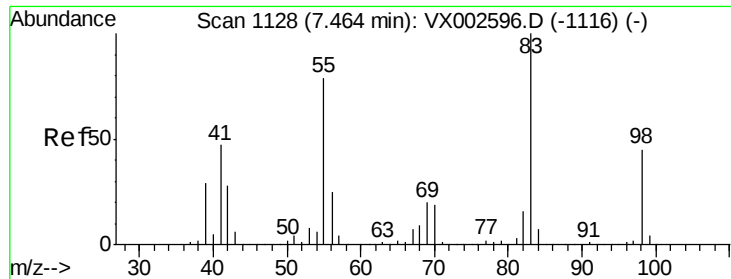
MMDadoda
 6/18/2018 5:12:04 PM



#35
 Dibromofluoromethane
 Concen: 45.40 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	103.4	81.4	122.0
192	23.6	19.1	28.7





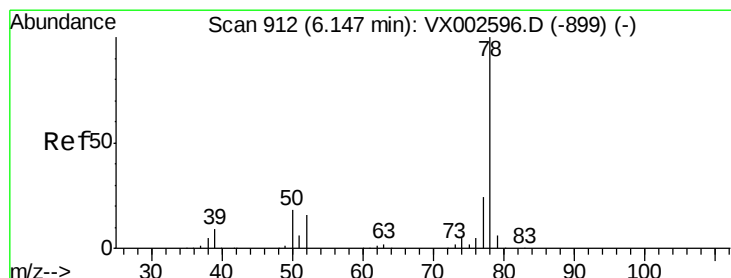
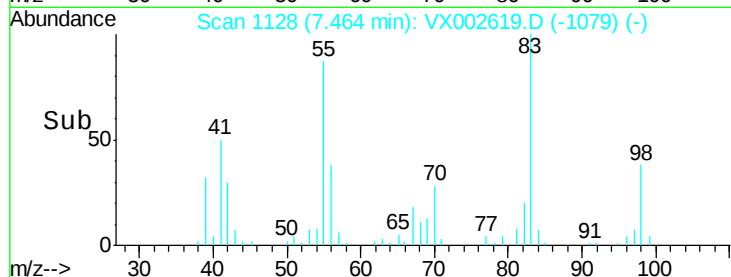
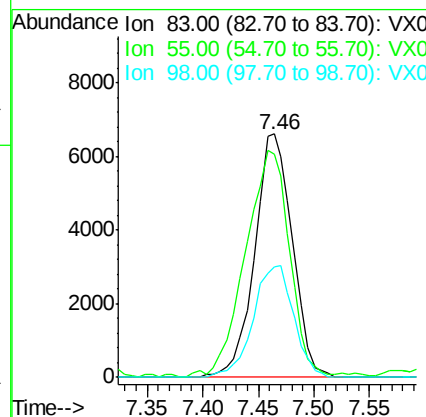
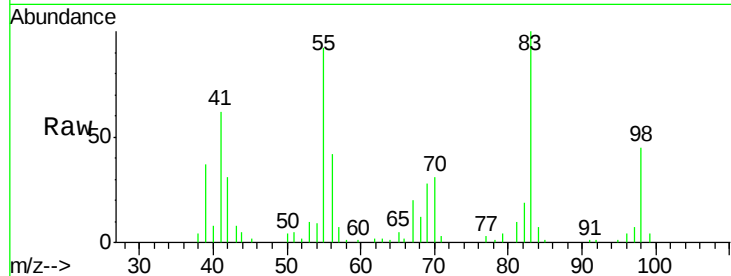
#39
Methvlcvclohexane
Concen: 4.11 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-02-061118

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.3	65.4	98.0
98	45.4	37.4	56.0

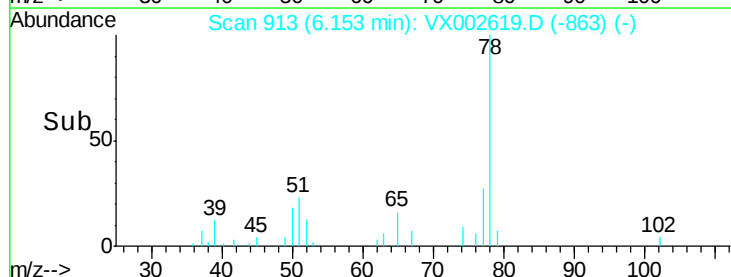
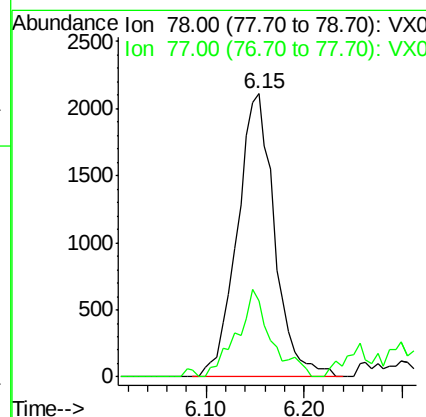
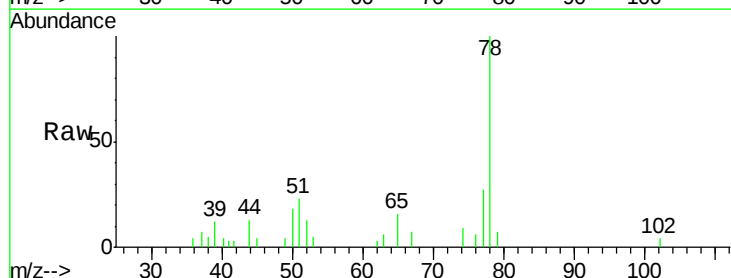
Manual Integrations
APPROVED

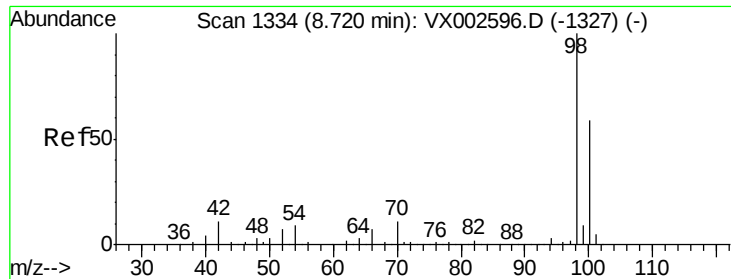
MMDadoda
6/18/2018 5:12:04 PM



#40
Benzene
Concen: 0.57 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





#50

Toluene-d8

Concen: 47.90 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampled :

PR-MW-02-061118

Tot Ion: 98 Resp: 442427

Ion Ratio Lower Upper

98 100

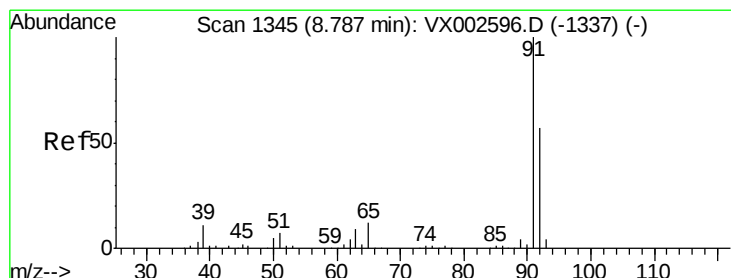
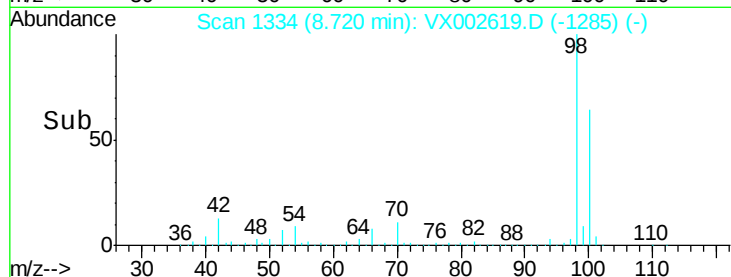
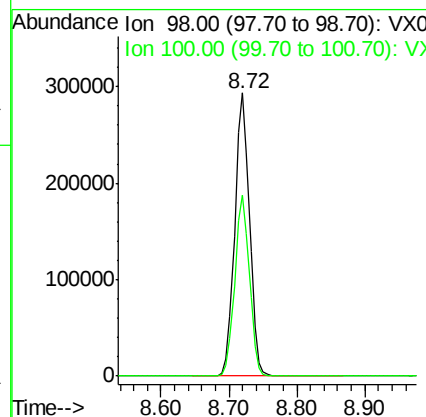
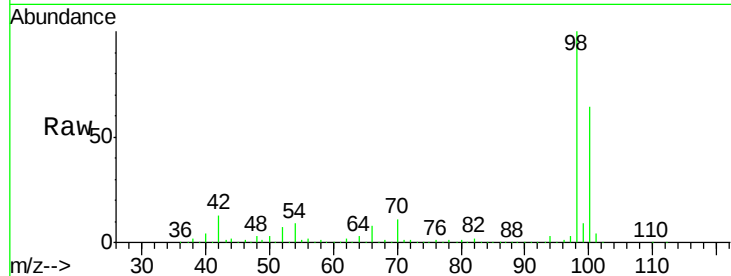
100 63.6 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

6/18/2018 5:12:04 PM



#52

Toluene

Concen: 0.43 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX002619.D

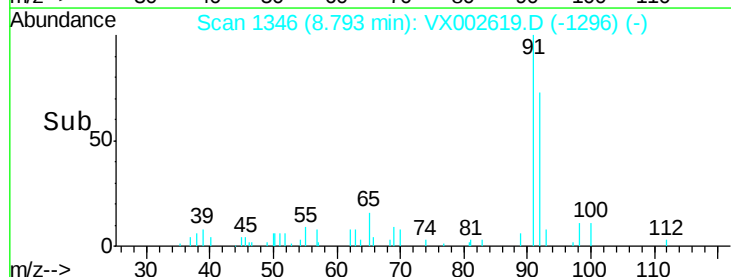
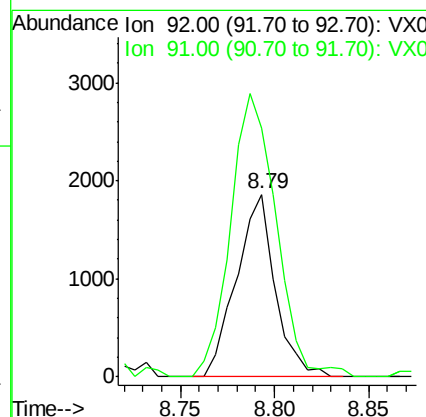
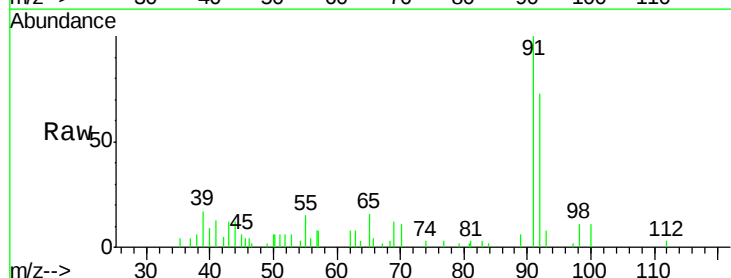
Acq: 16 Jun 2018 01:28

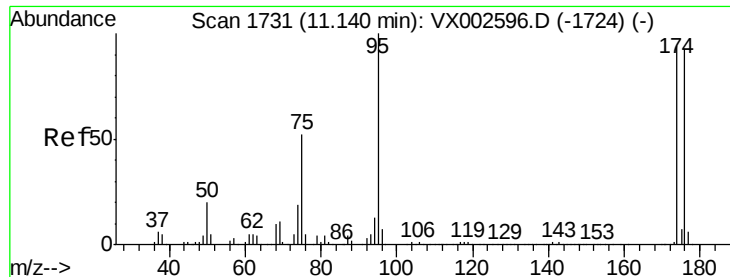
Tgt Ion: 92 Resp: 2653

Ion Ratio Lower Upper

92 100

91 182.2 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 44.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

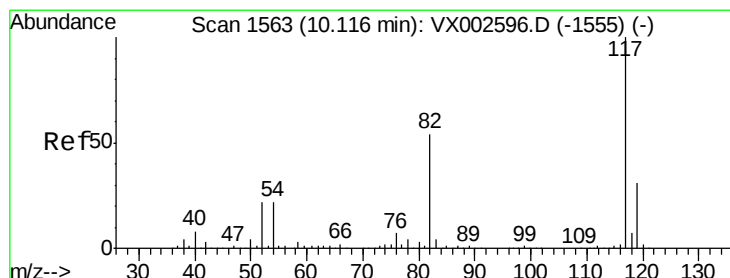
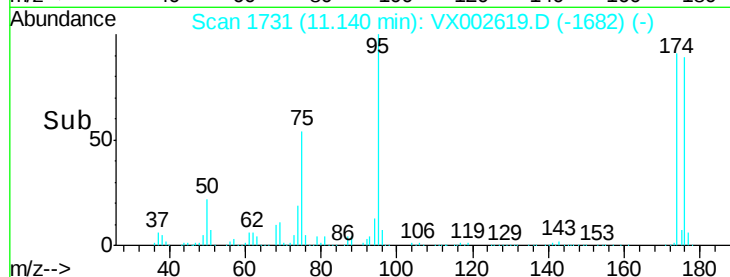
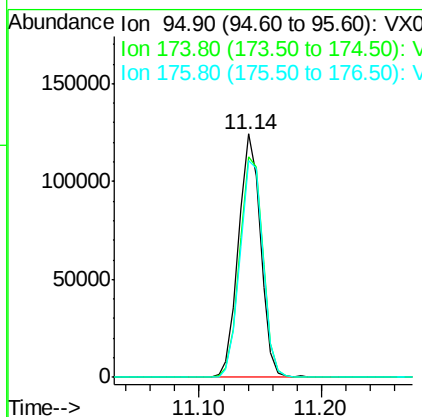
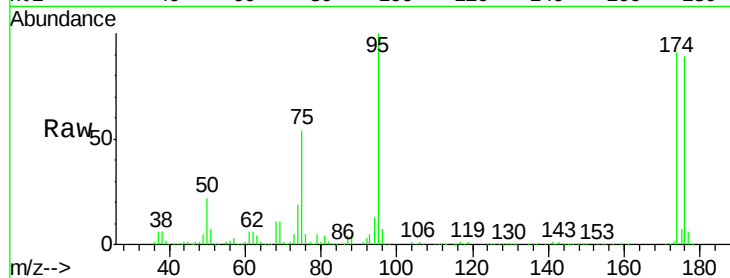
ClientSampleId :

PR-MW-02-061118

Tot Ion:	95	Resp:	155220
Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	187.4
176	92.3	0.0	181.0

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:04 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

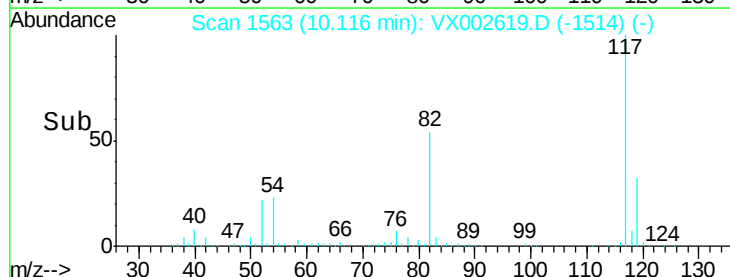
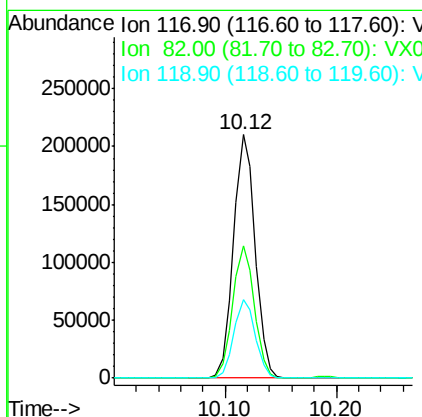
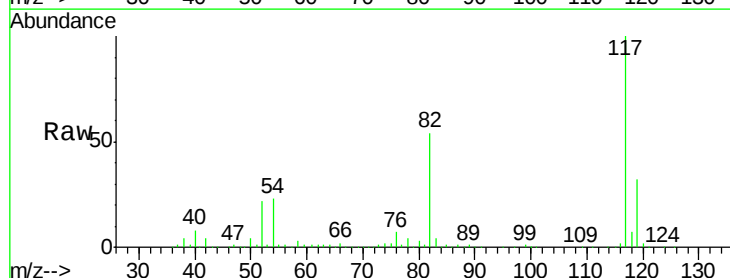
RT: 10.12 min Scan# 1563

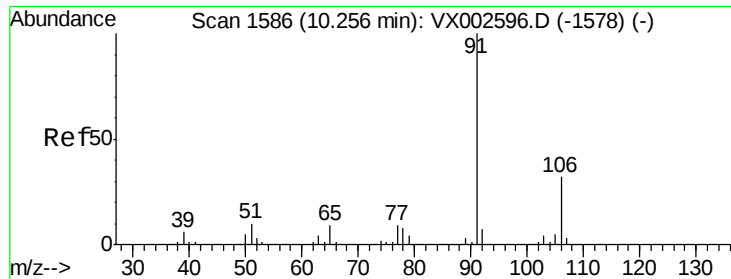
Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Tgt Ion:	117	Resp:	283083
Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.0	67.4
119	32.4	25.8	38.6





#67

Ethyl Benzene

Concen: 1.26 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampled :

PR-MW-02-061118

Tot Ion: 91 Resp: 14729

Ion Ratio Lower Upper

91 100

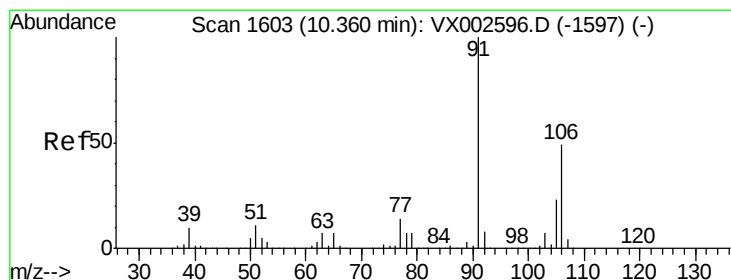
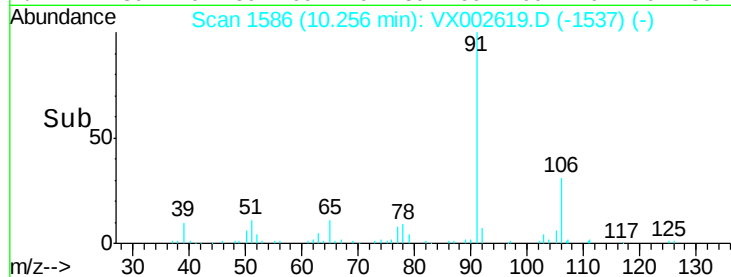
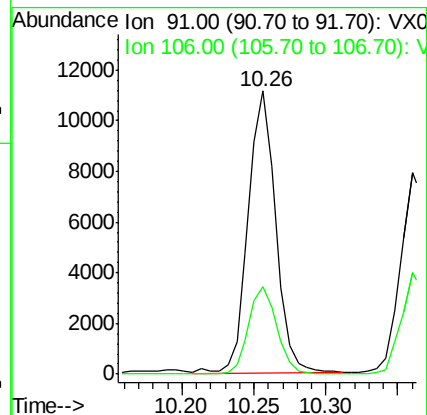
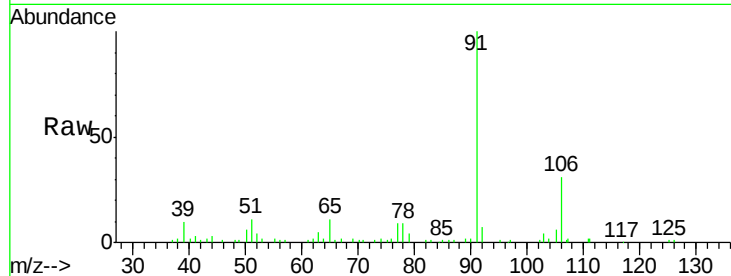
106 31.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

6/18/2018 5:12:04 PM



#68

m/p-Xylenes

Concen: 1.16 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX002619.D

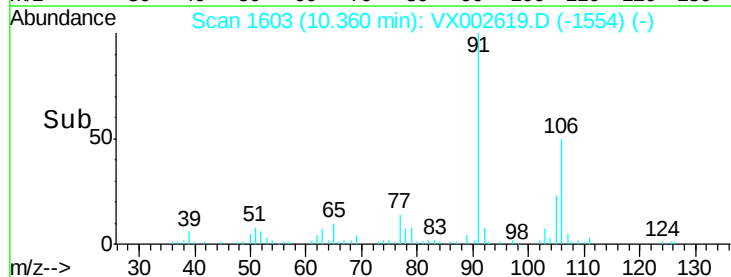
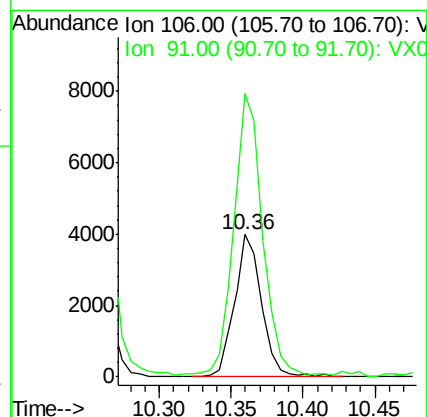
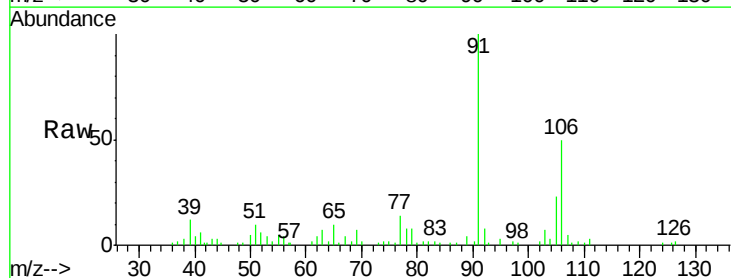
Acq: 16 Jun 2018 01:28

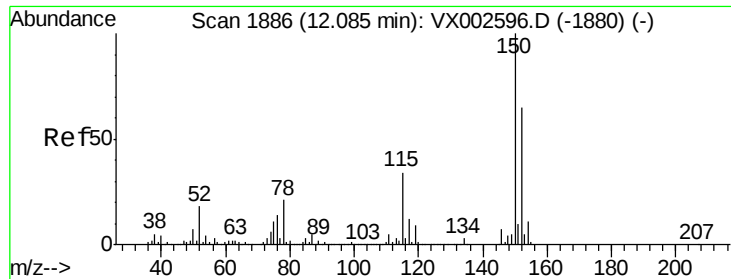
Tgt Ion: 106 Resp: 5257

Ion Ratio Lower Upper

106 100

91 206.7 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

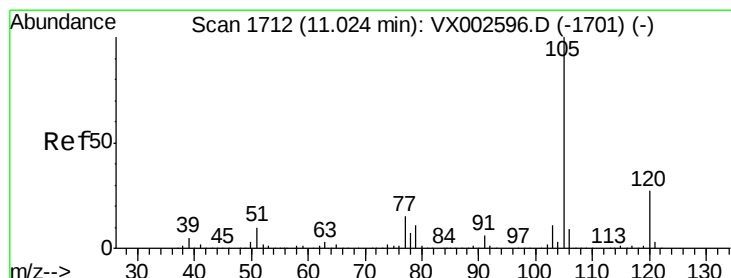
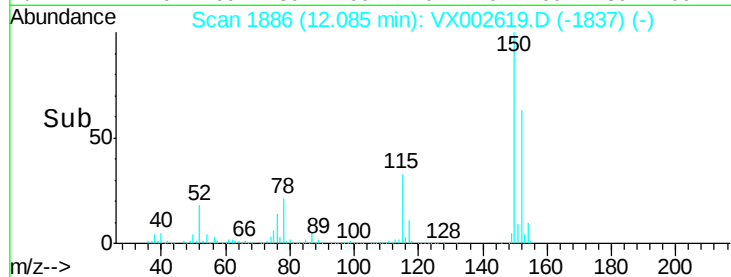
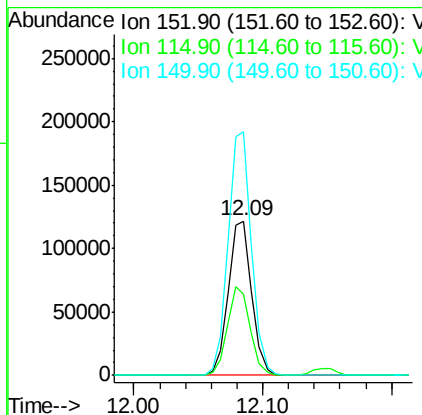
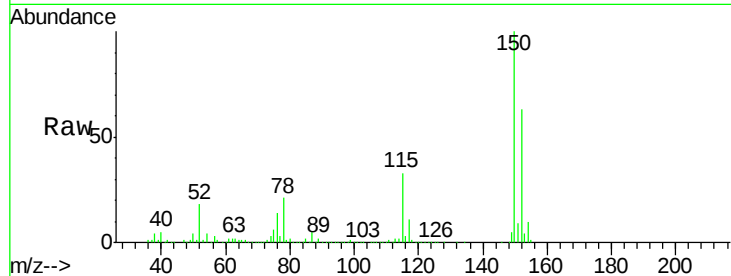
ClientSampleId :

PR-MW-02-061118

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.7	40.1	120.2
150	157.7	0.0	347.2

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:04 PM



#73

Isopropylbenzene

Concen: 39.33 ug/l

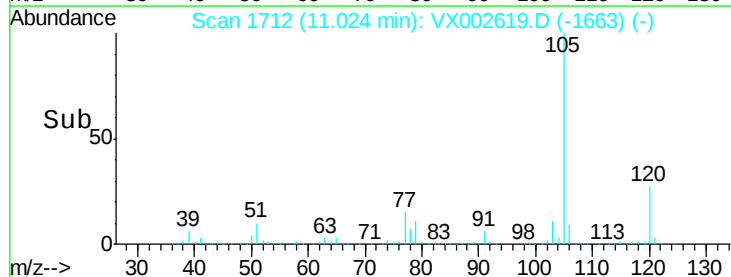
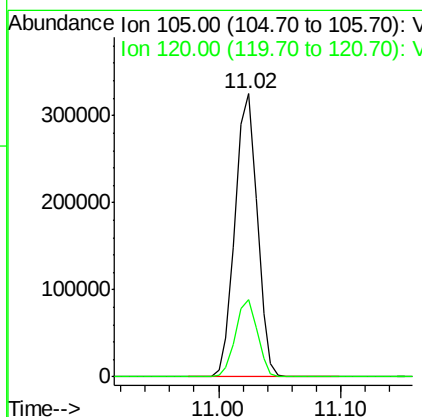
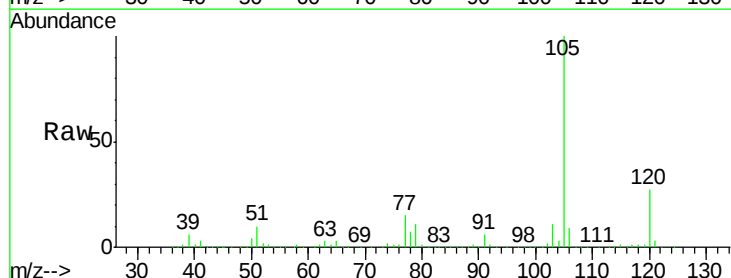
RT: 11.02 min Scan# 1712

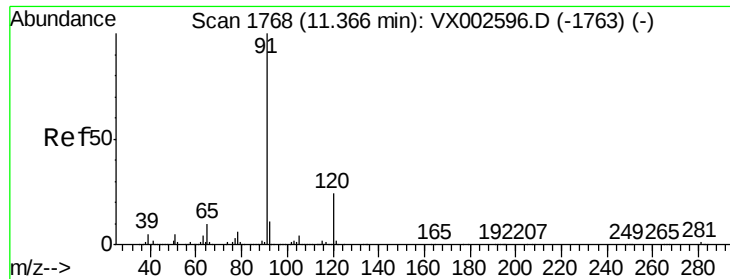
Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4





#78

n-propylbenzene

Concen: 15.56 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-02-061118

Tot Ion: 91 Resp: 185119

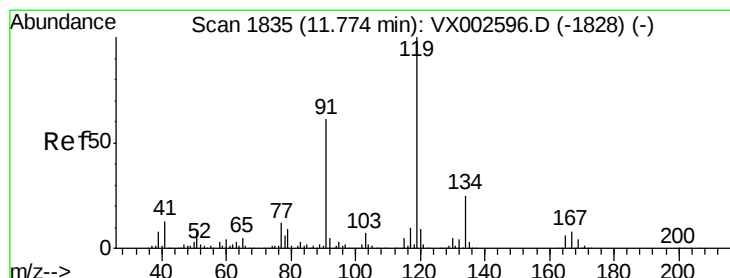
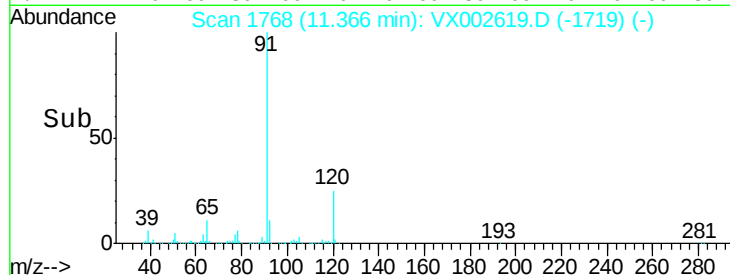
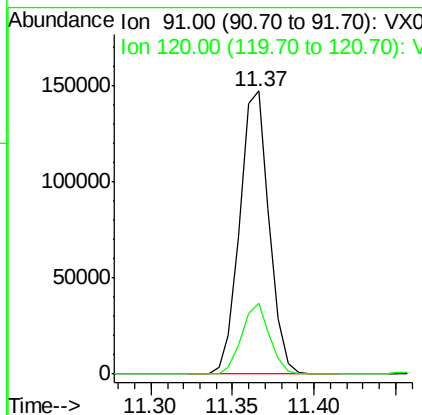
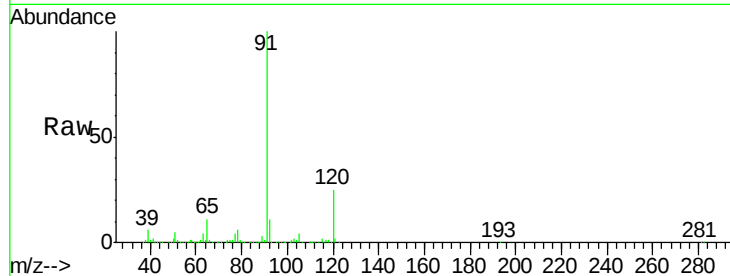
Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.4

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:04 PM



#83

tert-Butylbenzene

Concen: 0.63 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

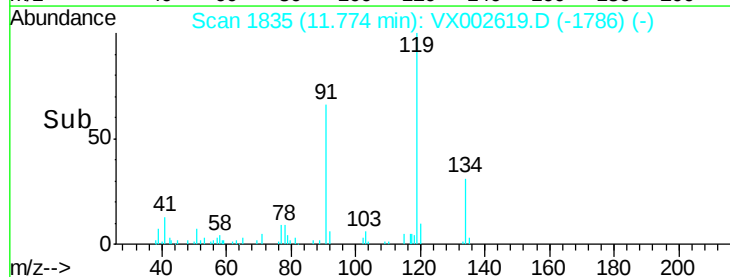
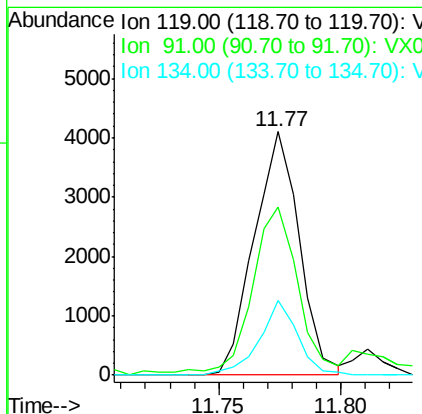
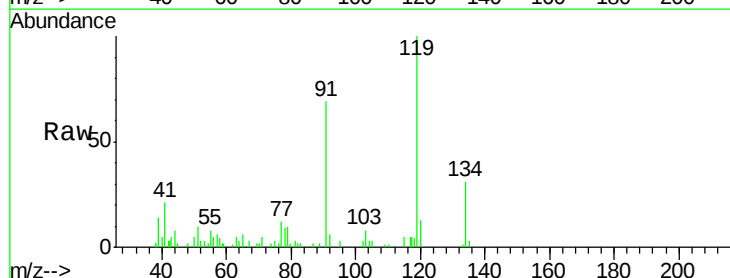
Tgt Ion: 119 Resp: 5297

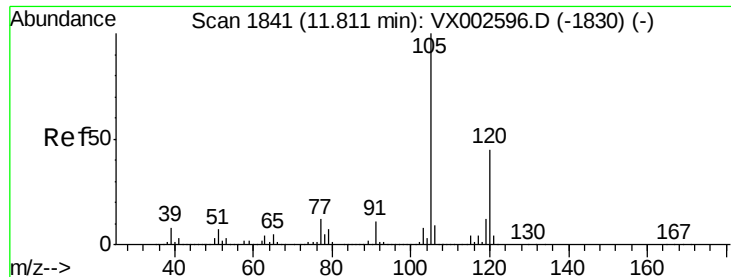
Ion Ratio Lower Upper

119 100

91 71.6 30.3 90.9

134 26.0 11.7 35.1





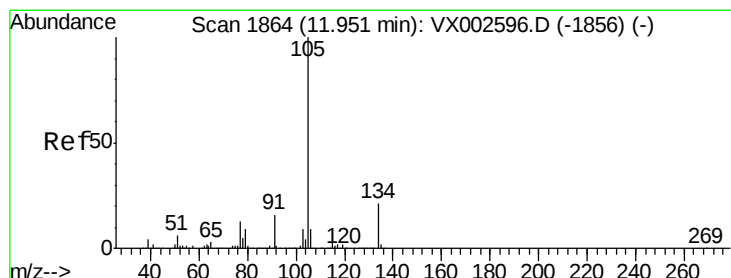
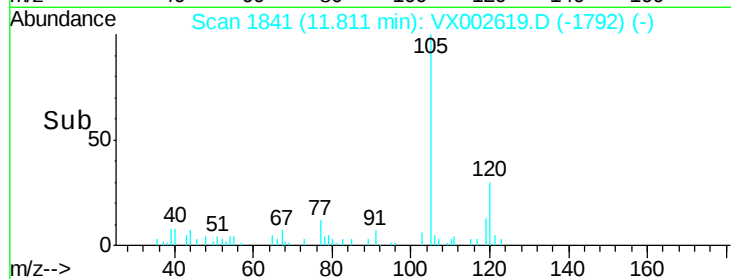
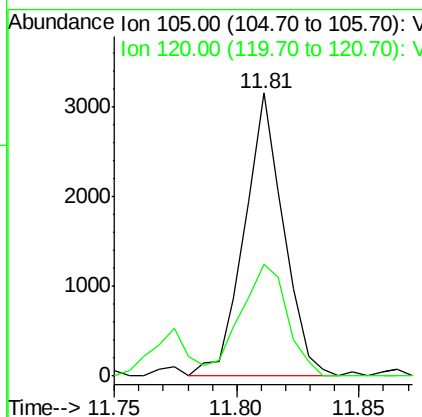
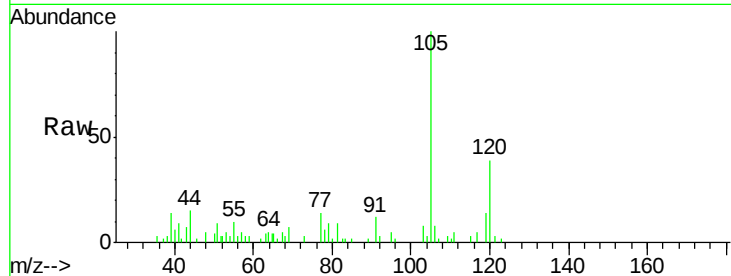
#84
 1,2,4-Trimethylbenzene
 Concen: 0.39 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-02-061118

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.3	66.8

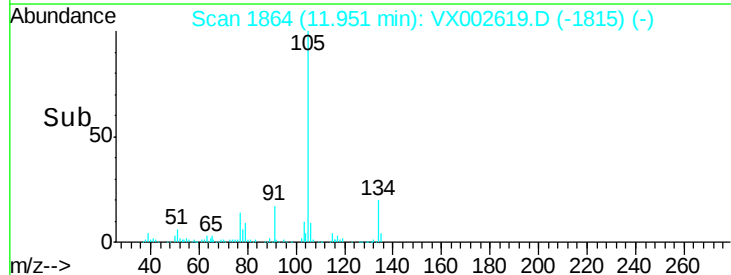
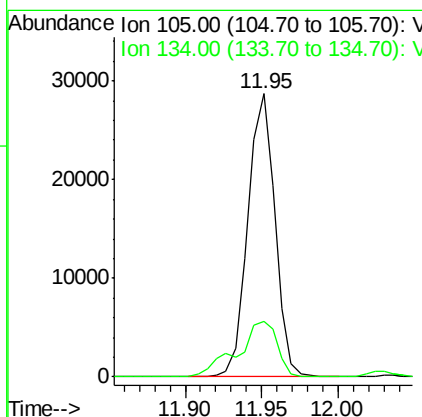
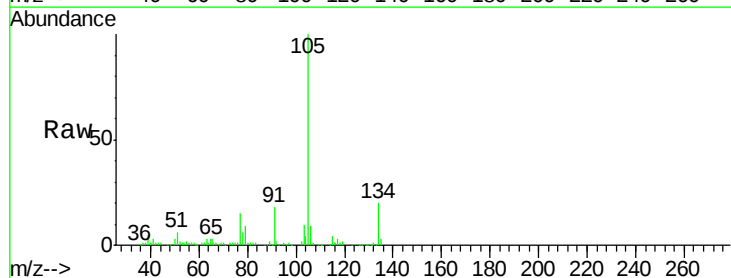
Manual Integrations
 APPROVED

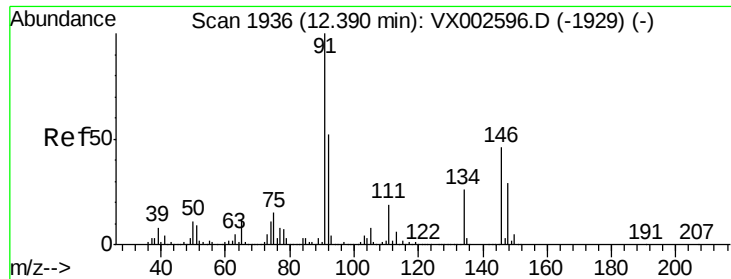
MMDadoda
 6/18/2018 5:12:04 PM



#85
 sec-Butylbenzene
 Concen: 3.37 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

Tgt Ion	Ratio	Lower	Upper
105	100		
134	28.9	10.4	31.1





#89

n-Butylbenzene

Concen: 1.95 ug/l m

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-02-061118

Tot Ion: 91 Resp: 16312

Ion Ratio Lower Upper

91 100

92 55.4 26.0 78.0

134 65.0 13.5 40.5#

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:04 PM

