

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
 Data File : VX010704.D
 Acq On : 08 Jul 2019 18:32
 Operator : JC/SP
 Sample : K3664-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 11:12:14 AM

Quant Time: Jul 09 02:21:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	362012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	116360	53.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.22%	
35) Dibromofluoromethane	5.50	113	109177	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
50) Toluene-d8	8.71	98	430542	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.13	95	153136	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	2264	2.062	ug/l #	76
31) Cyclohexane	5.59	56	208100	65.755	ug/l	96
39) Methylcyclohexane	7.46	83	409321	108.246	ug/l	97
52) Toluene	8.79	92	6884	1.166	ug/l	99
67) Ethyl Benzene	10.25	91	2160818	189.683	ug/l	100
68) m/p-Xylenes	10.36	106	2012250	455.879	ug/l	98
69) o-Xylene	10.69	106	252148	58.088	ug/l	99
73) Isopropylbenzene	11.02	105	273765	23.209	ug/l	98
78) n-propylbenzene	11.36	91	535769	41.328	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	716167	73.649	ug/l	99
83) tert-Butylbenzene	11.77	119	8743m	0.896	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	2465589	252.374	ug/l	100
85) sec-Butylbenzene	11.94	105	143099	12.488	ug/l	84
86) p-Isopropyltoluene	12.06	119	140778	13.281	ug/l	99
89) n-Butylbenzene	12.38	91	173231	19.233	ug/l #	29
95) Naphthalene	13.83	128	599337	49.218	ug/l	99

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

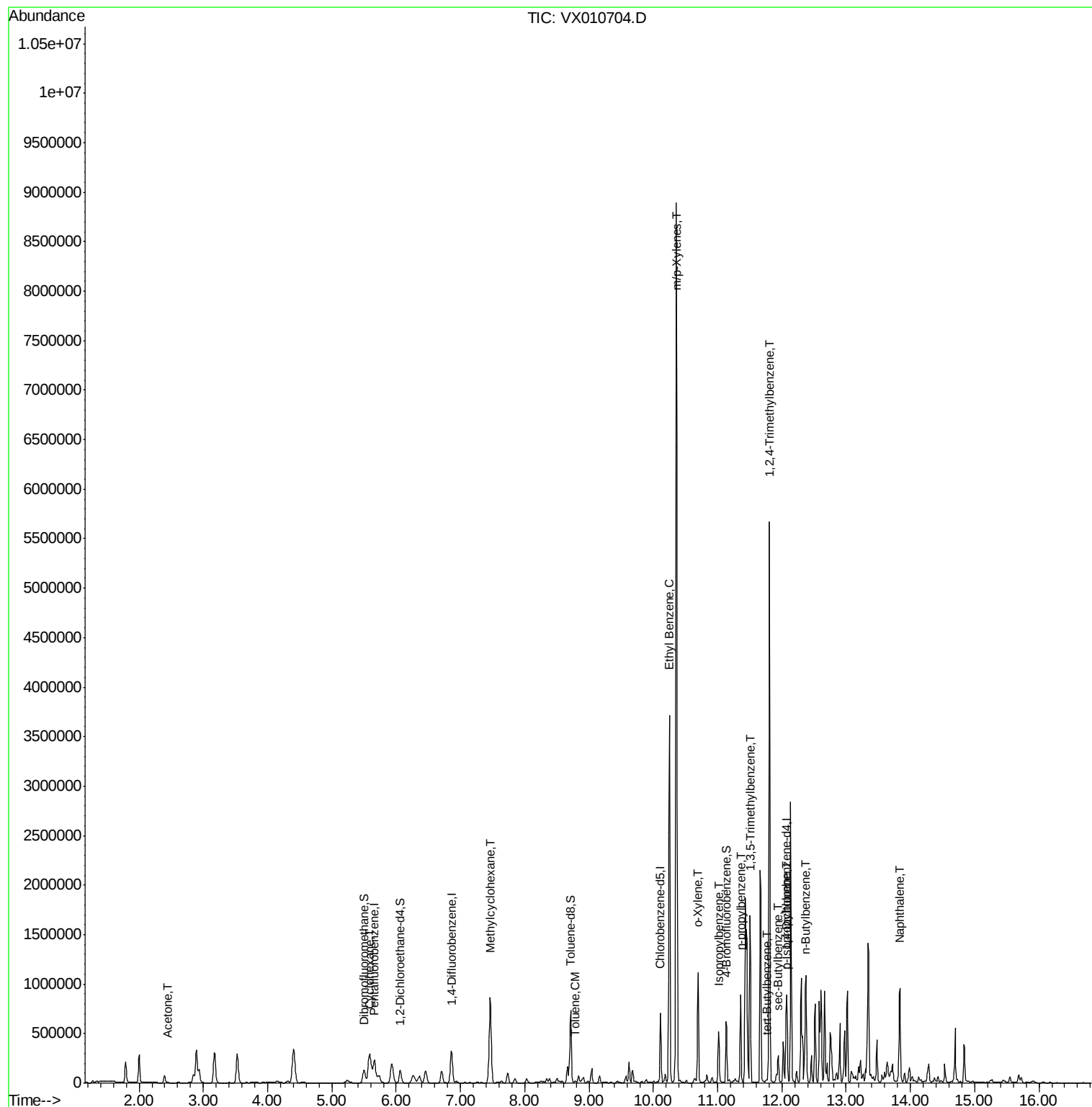
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010704.D
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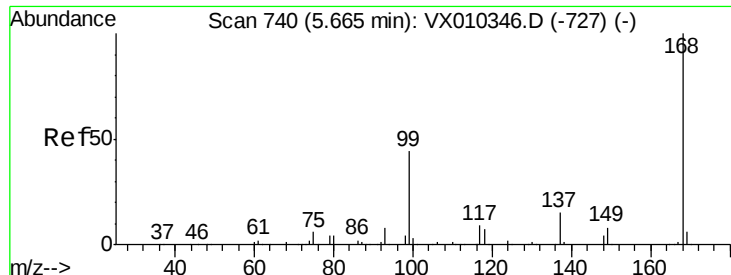
Instrument :
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Quant Time: Jul 09 02:21:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Instrument :

MSVOA_X

ClientSampleId :

FL-0588

Tgt Ion:168 Resp: 233683

Ion Ratio Lower Upper

168 100

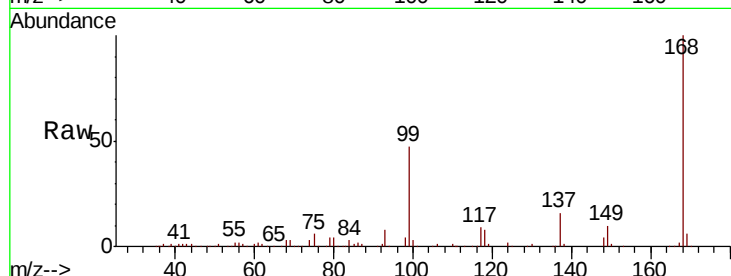
99 47.3 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

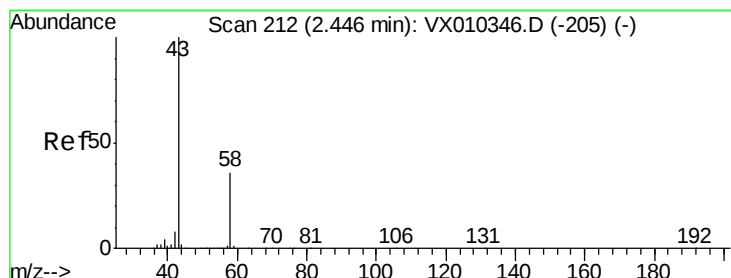
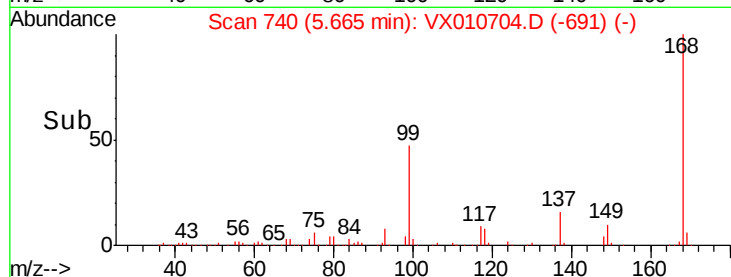
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 2.062 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010704.D

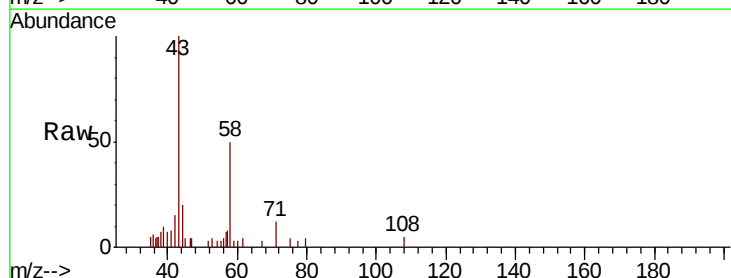
Acq: 08 Jul 2019 18:32

Tgt Ion: 43 Resp: 2264

Ion Ratio Lower Upper

43 100

58 50.0 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

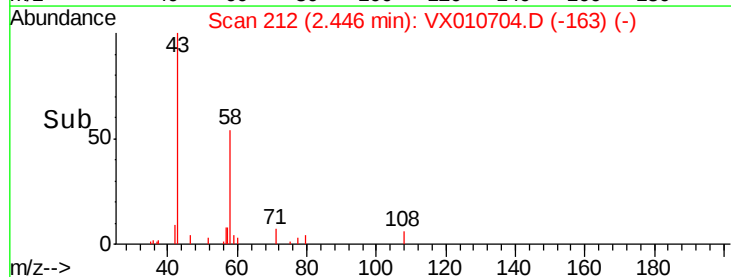
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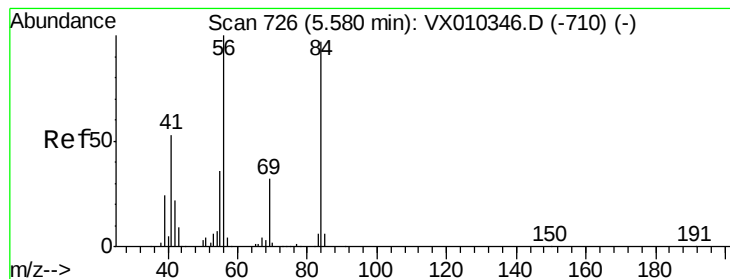
4000

2000

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 65.755 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Instrument :

MSVOA_X

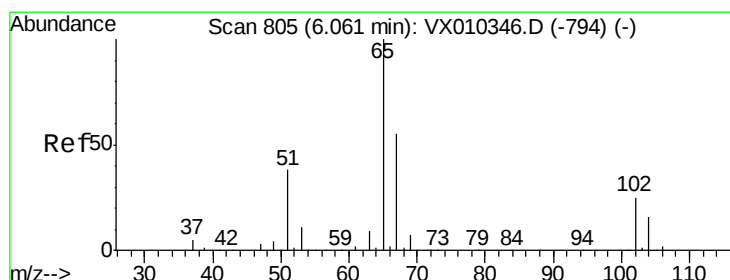
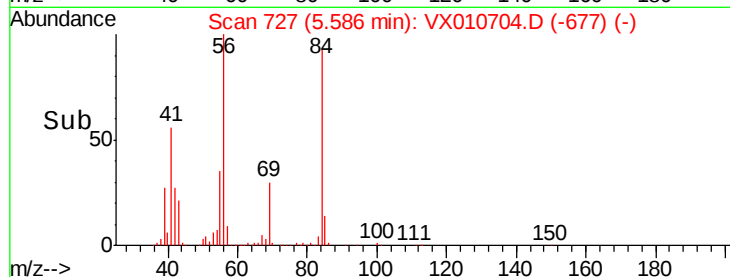
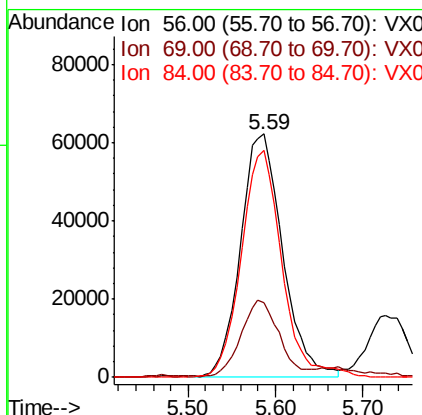
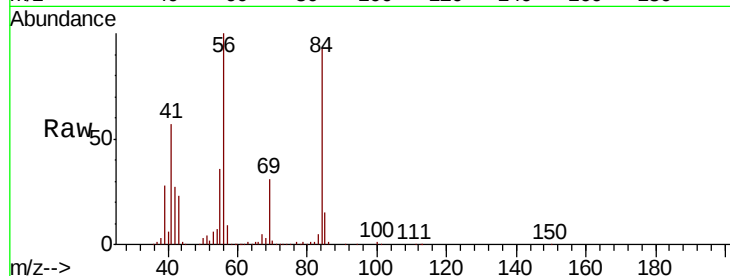
ClientSampleId :

FL-0588

Tgt Ion:	56	Resp:	208100
Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.9	38.9
84	93.7	78.0	117.0

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#33

1,2-Dichloroethane-d4

Concen: 53.108 ug/l

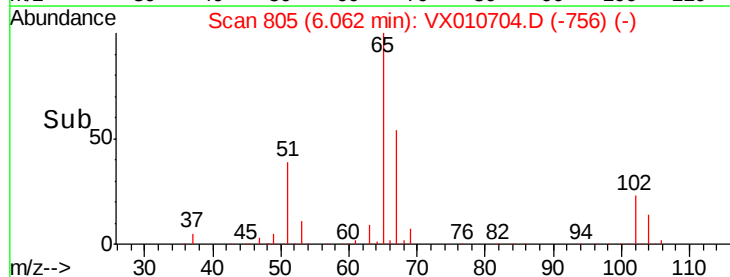
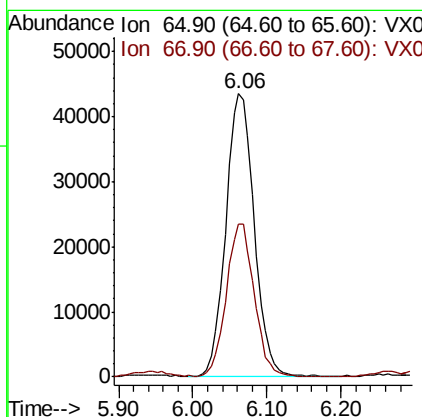
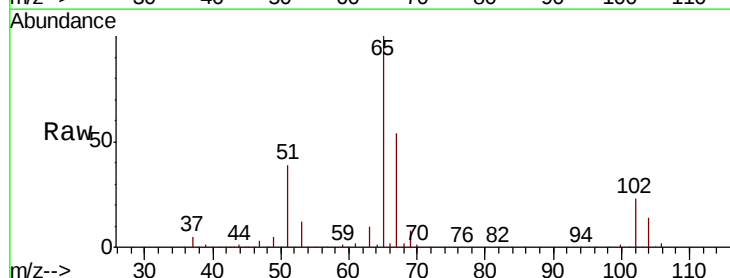
RT: 6.06 min Scan# 805

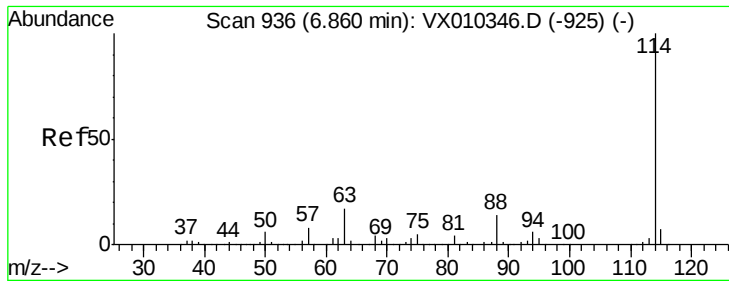
Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Tgt Ion:	65	Resp:	116360
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	110.2





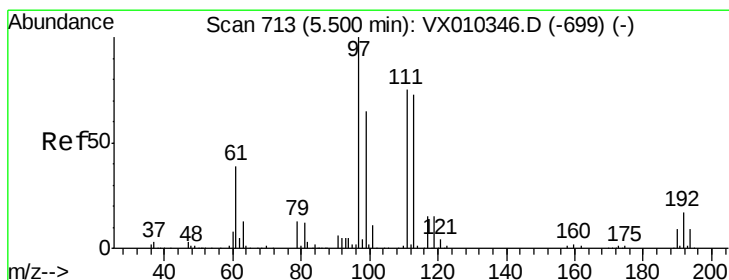
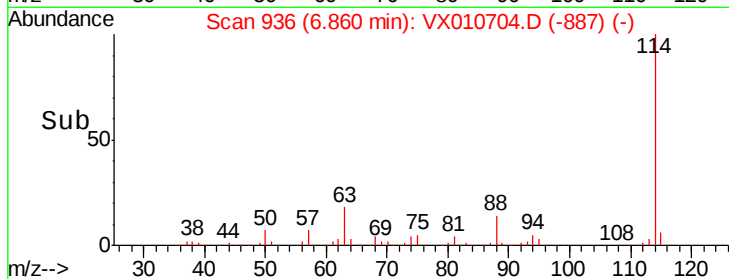
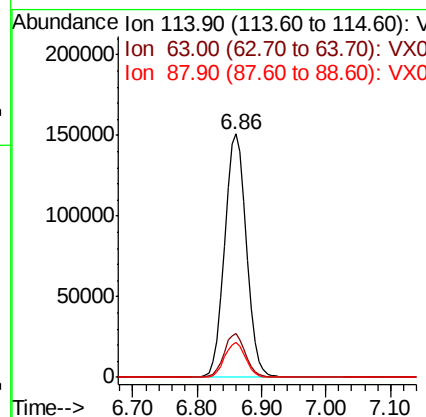
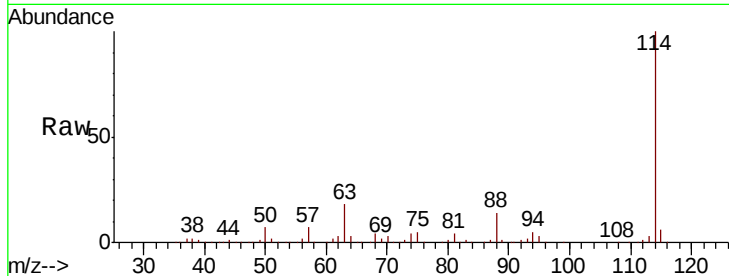
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010704.D
 Acq: 08 Jul 2019 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362012		
63	17.8	0.0	33.8	
88	14.4	0.0	27.6	

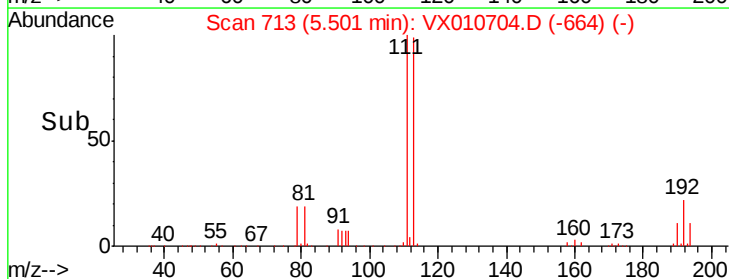
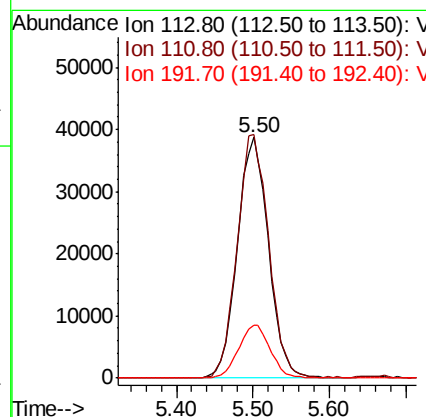
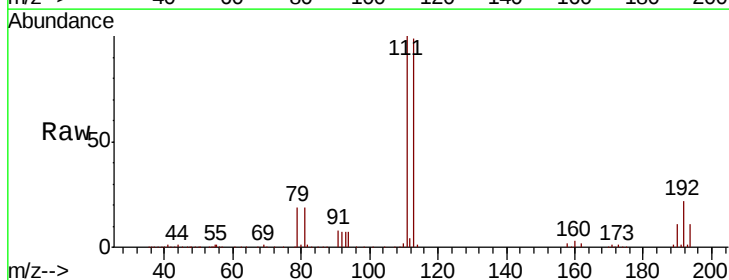
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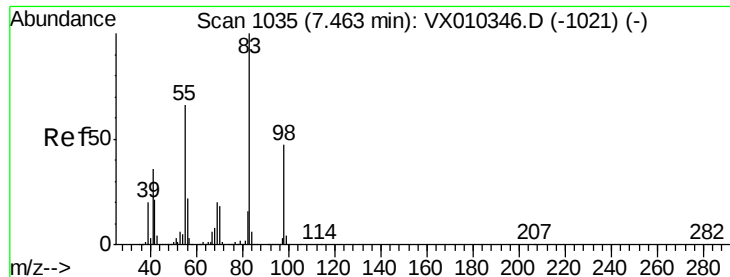
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#35
 Dibromofluoromethane
 Concen: 49.292 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010704.D
 Acq: 08 Jul 2019 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	109177		
111	102.5	81.2	121.8	
192	22.3	18.6	27.8	





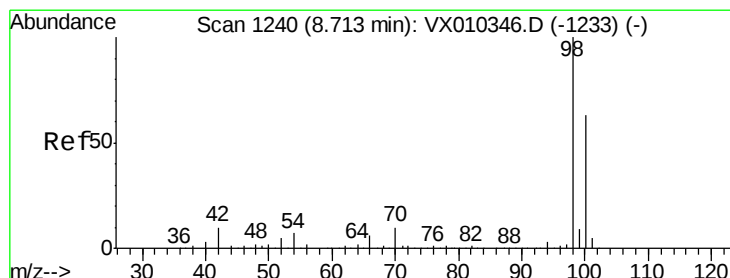
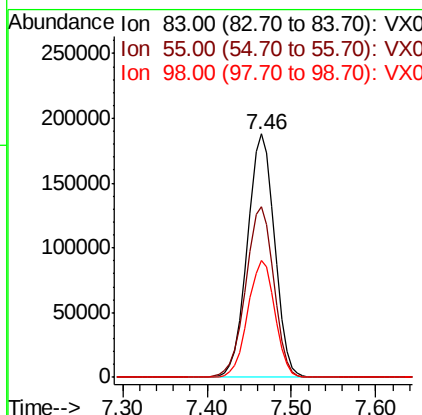
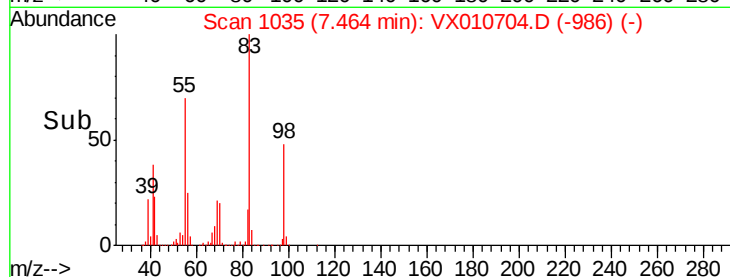
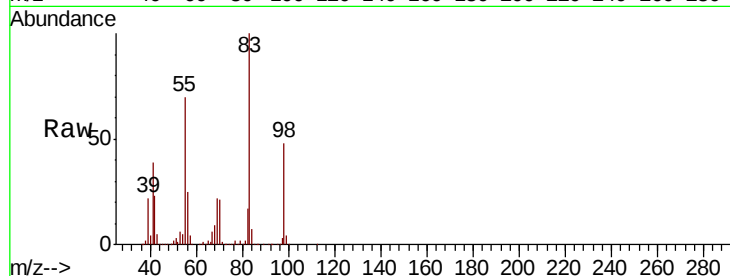
#39
Methylcyclohexane
Concen: 108.246 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010704.D
Acq: 08 Jul 2019 18:32

Instrument :
MSVOA_X
ClientSampled :
FL-0588

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.4	53.0	79.6
98	48.1	37.8	56.8

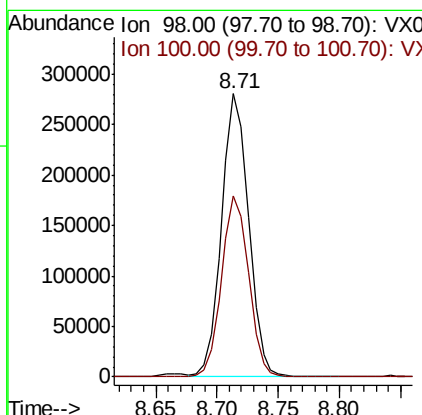
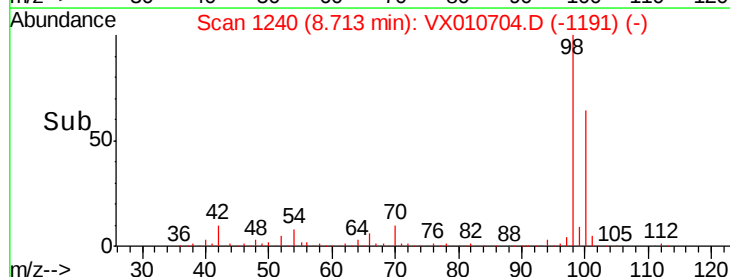
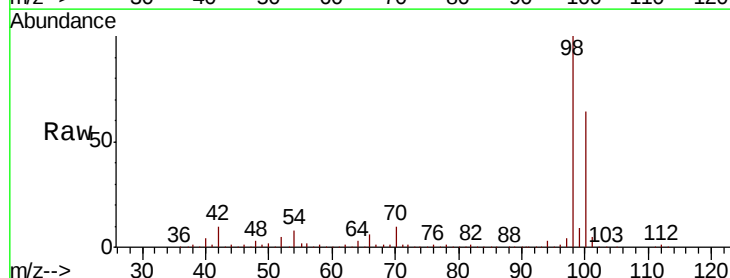
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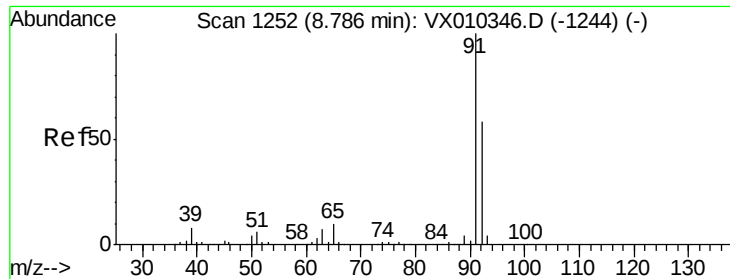
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#50
Toluene-d8
Concen: 50.808 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010704.D
Acq: 08 Jul 2019 18:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





#52

Toluene

Concen: 1.166 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Instrument :

MSVOA_X

ClientSampled :

FL-0588

Tgt Ion: 92 Resp: 6884

Ion Ratio Lower Upper

92 100

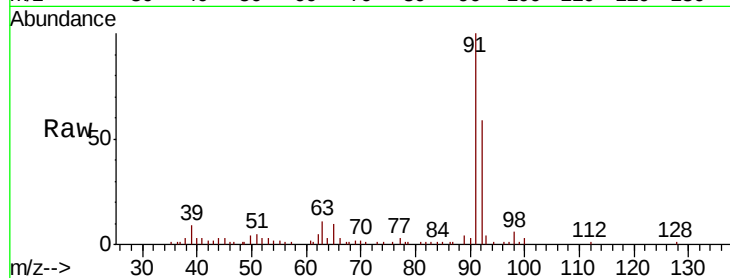
91 172.6 139.8 209.6

Manual Integrations

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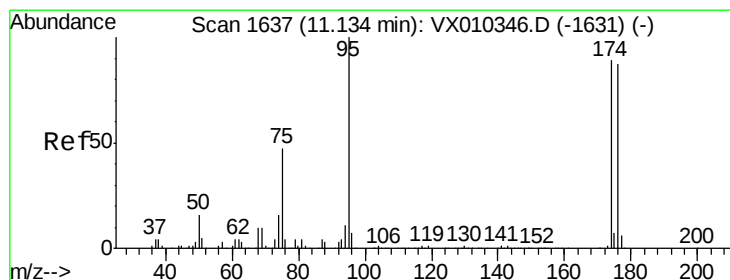
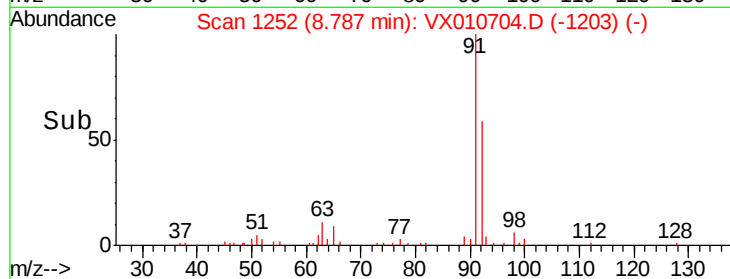
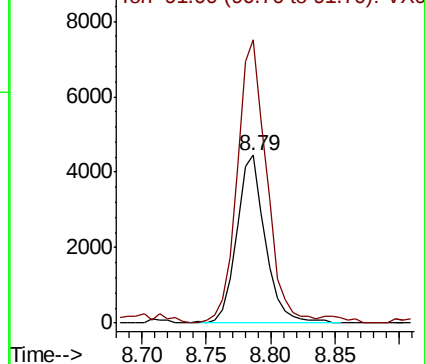
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.056 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

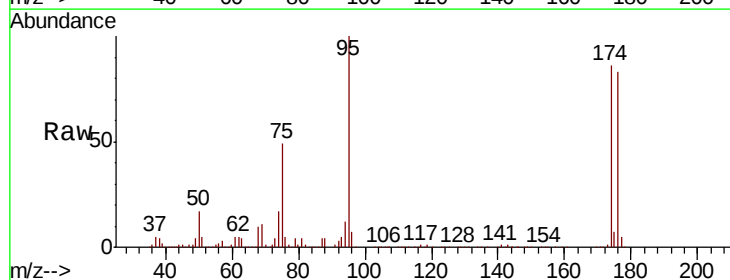
Tgt Ion: 95 Resp: 153136

Ion Ratio Lower Upper

95 100

174 92.6 0.0 187.6

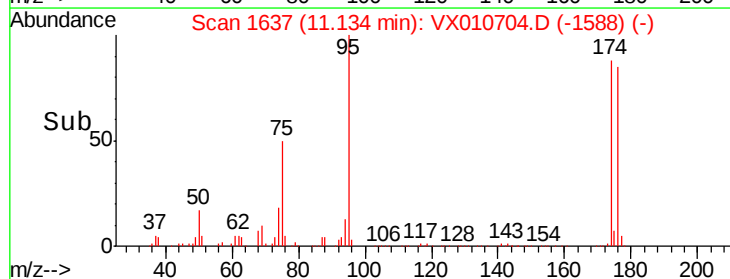
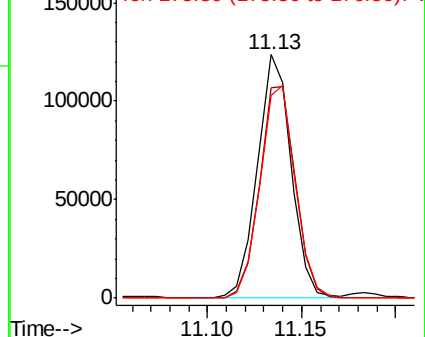
176 91.4 0.0 184.0

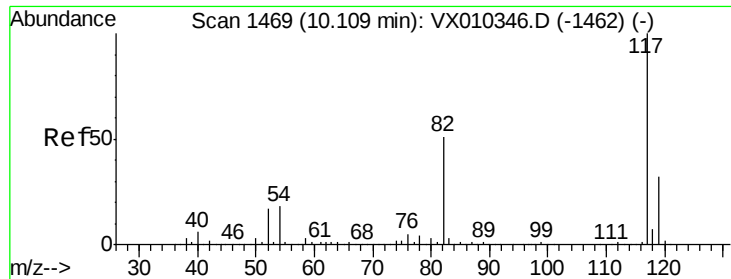


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Instrument :

MSVOA_X

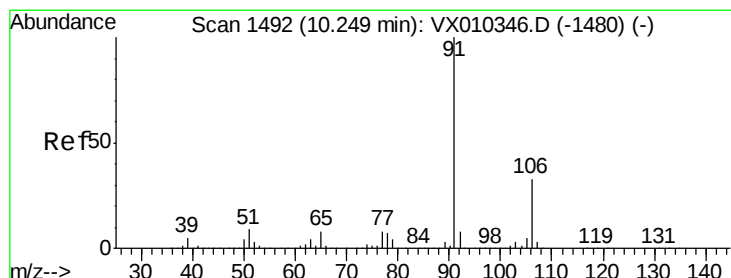
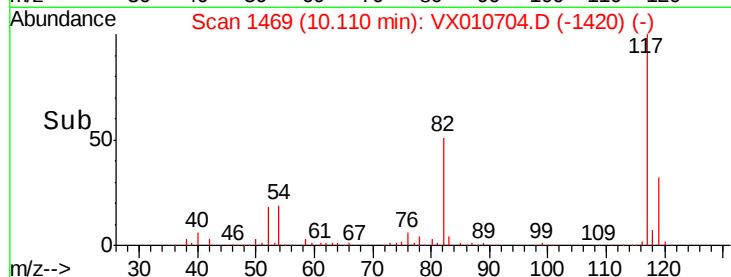
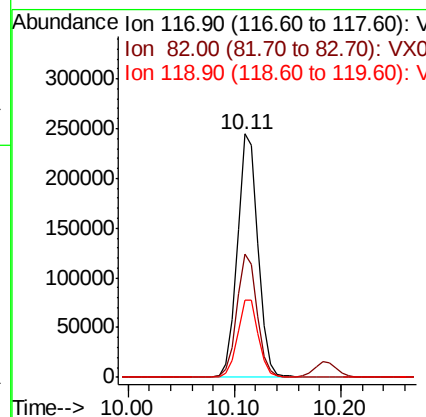
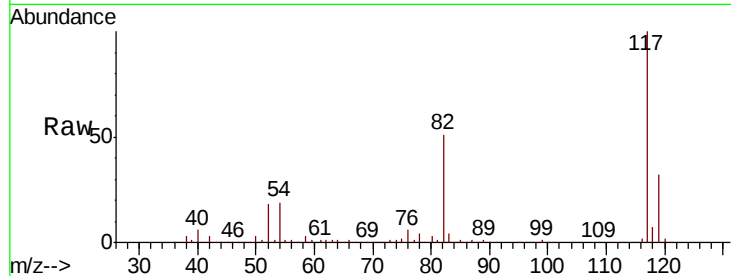
ClientSampleId :

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Tgt Ion:	117	Resp:	332371
Ion Ratio	Lower	Upper	
117	100		
82	50.4	41.2	61.8
119	31.8	25.5	38.3

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#67

Ethyl Benzene

Concen: 189.683 ug/l

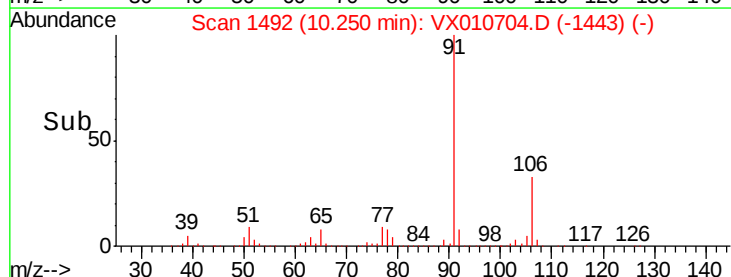
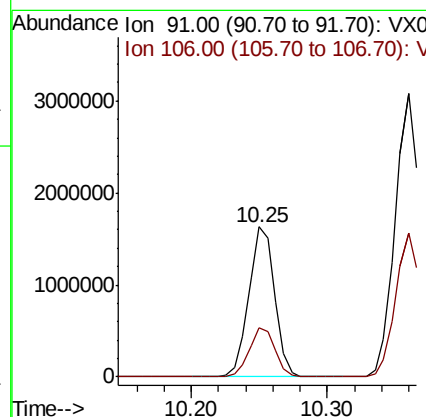
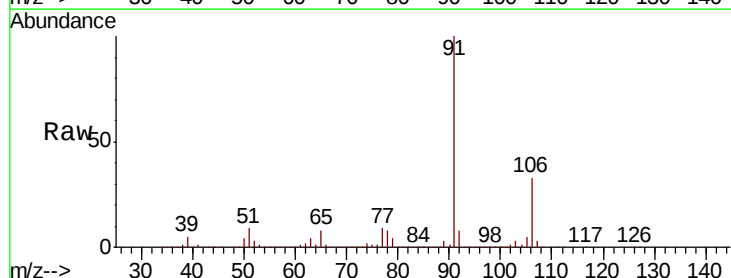
RT: 10.25 min Scan# 1492

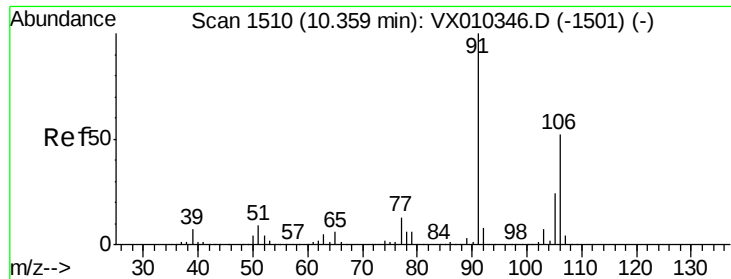
Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Tgt Ion:	91	Resp:	2160818
Ion Ratio	Lower	Upper	
91	100		
106	32.9	26.2	39.2





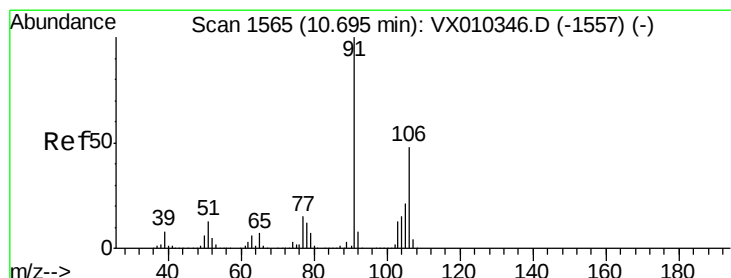
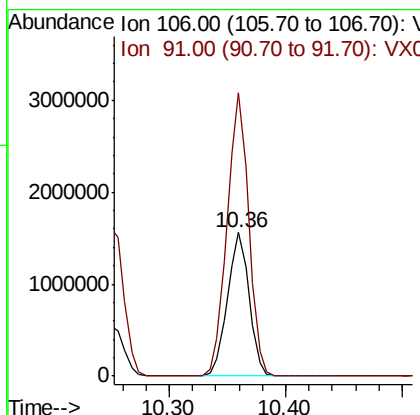
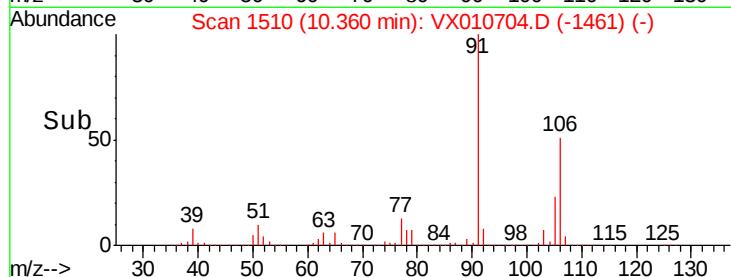
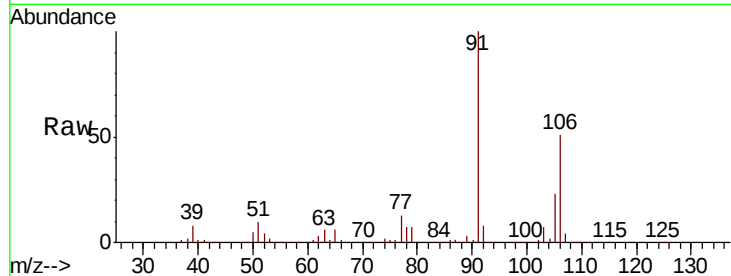
#68
m/p-Xylenes
Concen: 455.879 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010704.D
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Instrument :
MSVOA_X
ClientSampled :
FL-0588

Tgt Ion:106 Resp: 2012250
Ion Ratio Lower Upper
106 100
91 197.6 155.3 232.9

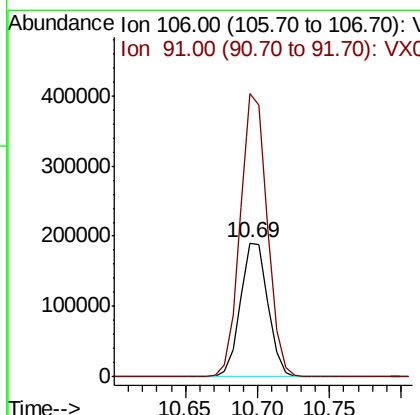
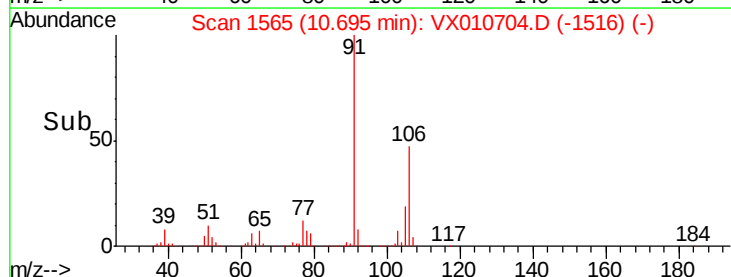
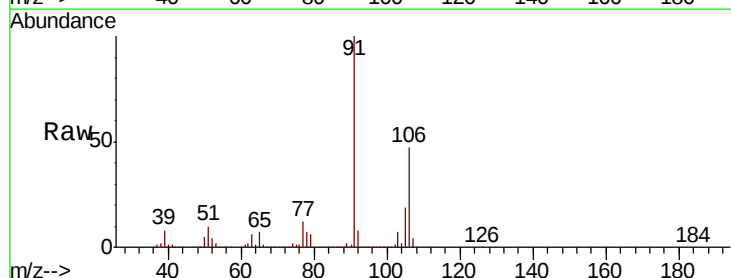
Manual Integrations
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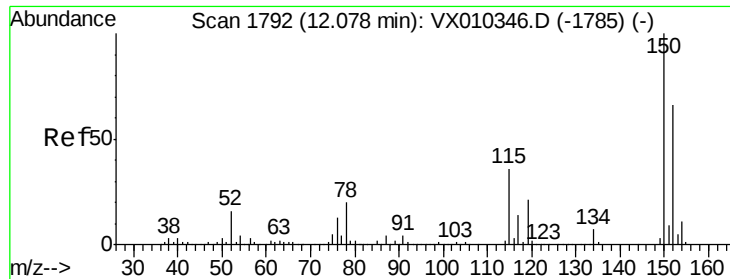
MMDadoda
7/9/2019 11:12:14 AM



#69
o-Xylene
Concen: 58.088 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010704.D
Acq: 08 Jul 2019 18:32

Tgt Ion:106 Resp: 252148
Ion Ratio Lower Upper
106 100
91 207.7 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Instrument :

MSVOA_X

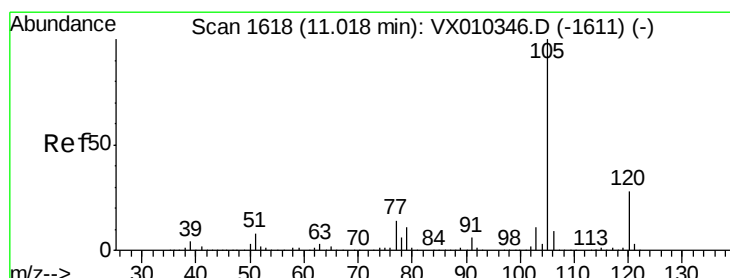
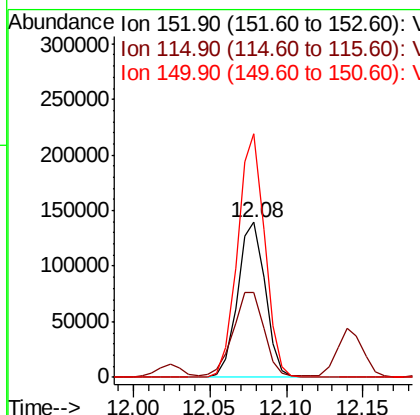
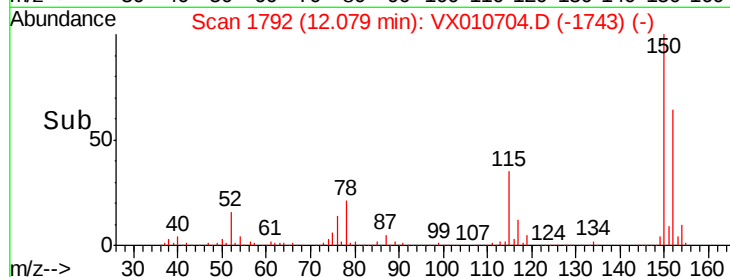
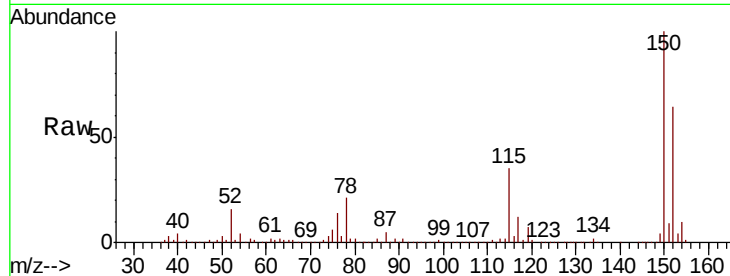
ClientSampleId :

FL-0588

Tgt Ion:	152	Resp:	174007
Ion Ratio	Lower	Upper	
152	100		
115	62.0	38.6	115.7
150	154.6	0.0	347.4

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#73

Isopropylbenzene

Concen: 23.209 ug/l

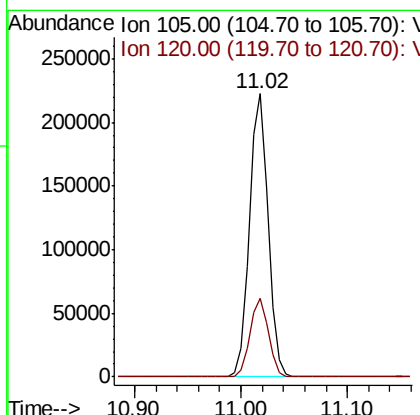
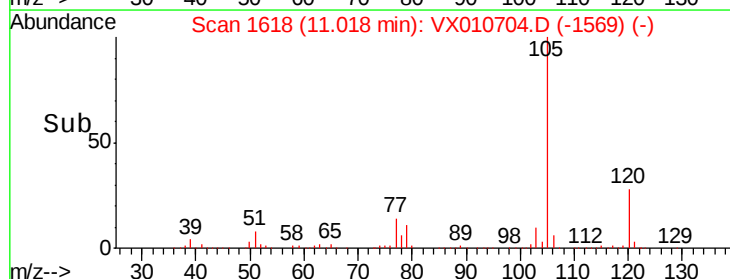
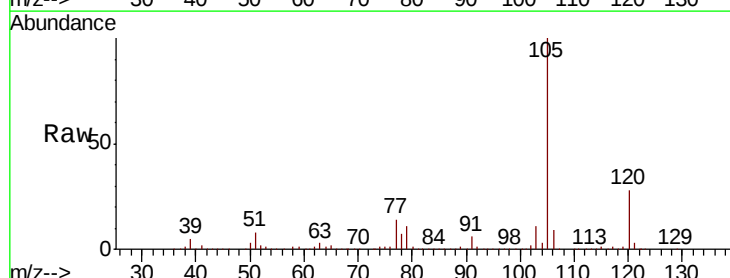
RT: 11.02 min Scan# 1618

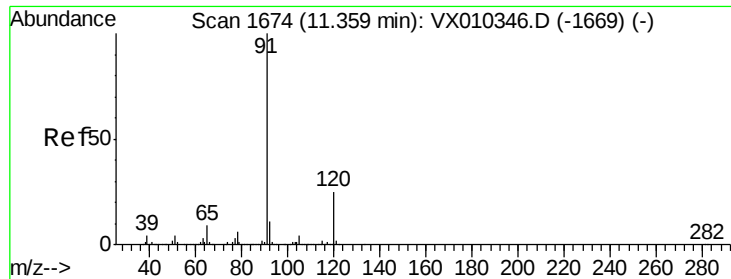
Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Tgt Ion:	105	Resp:	273765
Ion Ratio	Lower	Upper	
105	100		
120	27.5	14.1	42.4





#78

n-propylbenzene

Concen: 41.328 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Instrument :

MSVOA_X

ClientSampled :

FL-0588

Tgt Ion: 91 Resp: 535769

Ion Ratio Lower Upper

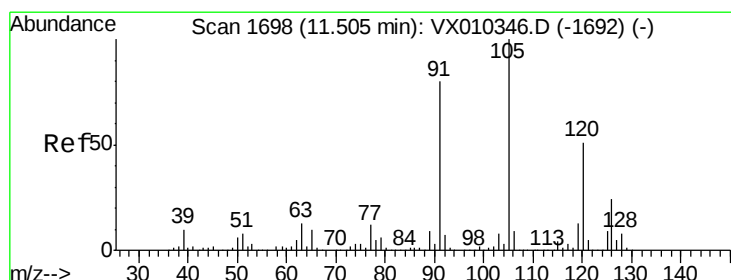
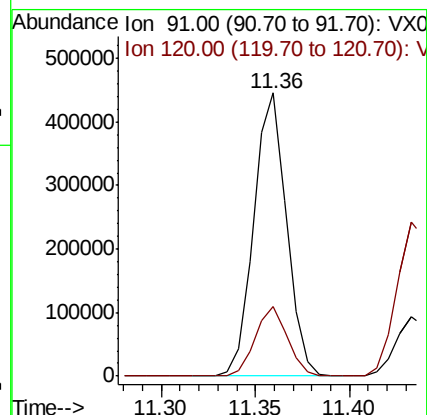
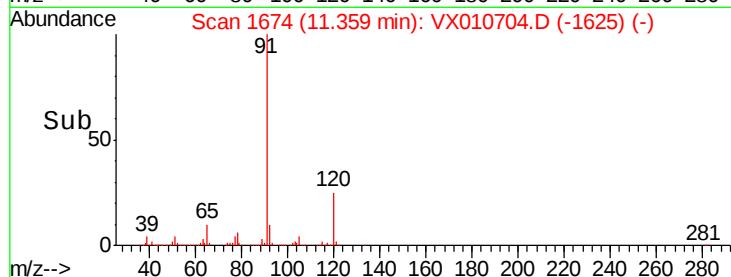
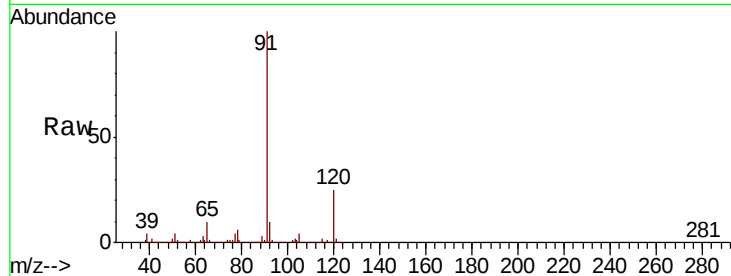
91 100

120 24.3 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 73.649 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010704.D

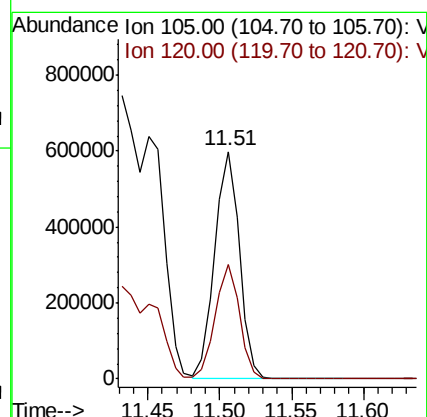
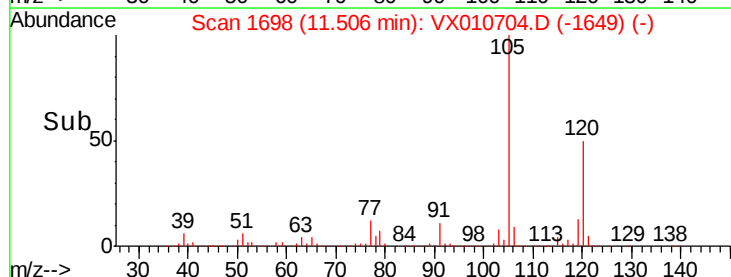
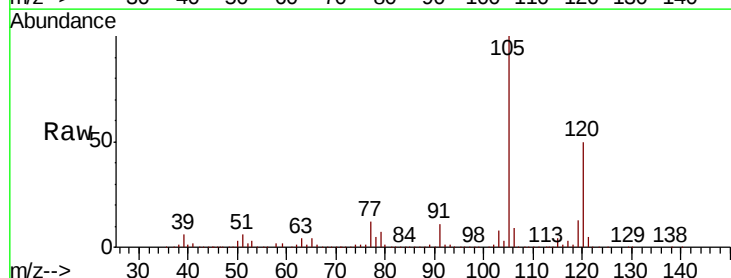
Acq: 08 Jul 2019 18:32

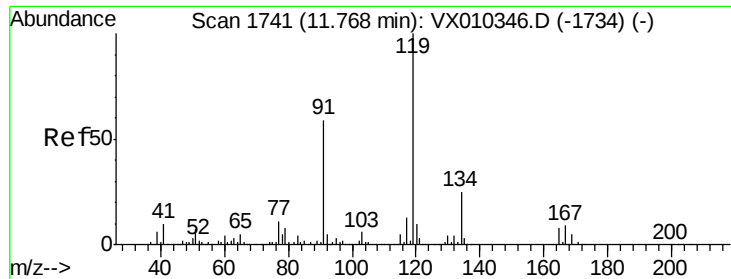
Tgt Ion: 105 Resp: 716167

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6





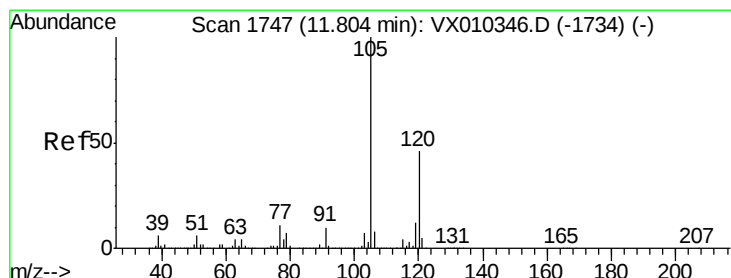
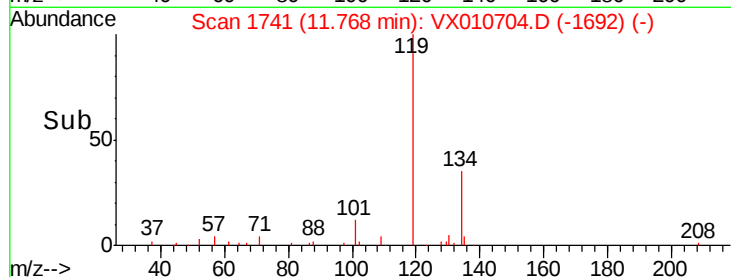
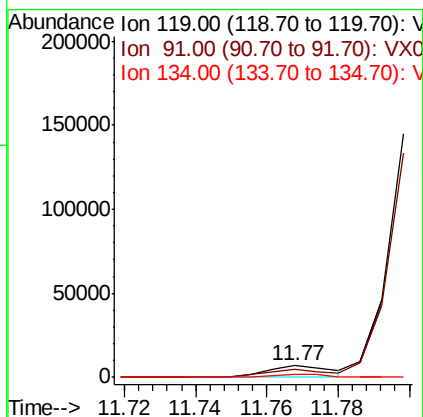
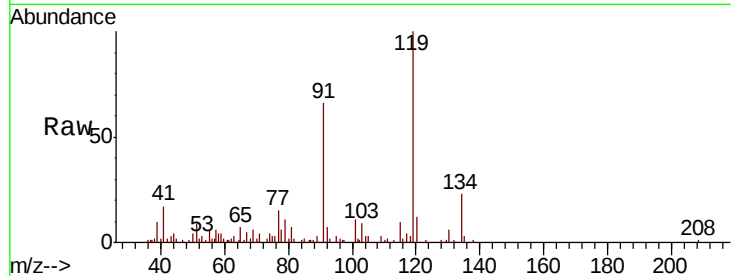
#83
 tert-Butylbenzene
 Concen: 0.896 ug/l m
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010704.D
 Acq: 08 Jul 2019 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588

Tgt Ion:119 Resp: 8743
 Ion Ratio Lower Upper
 119 100
 91 3020.0 27.6 82.7
 134 0.0 11.8 35.4#

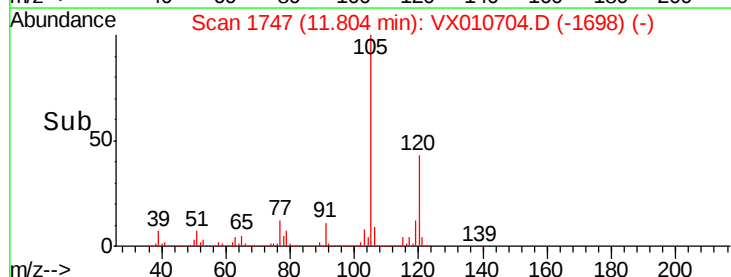
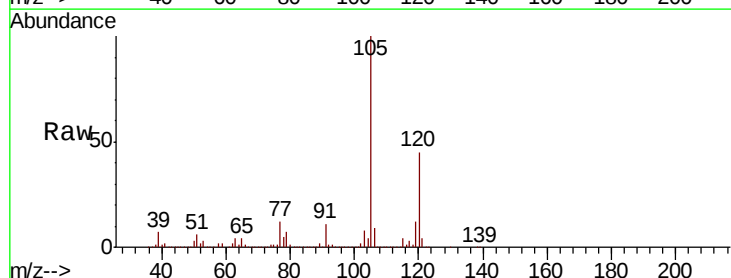
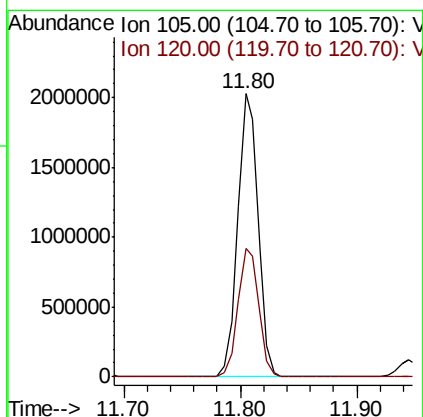
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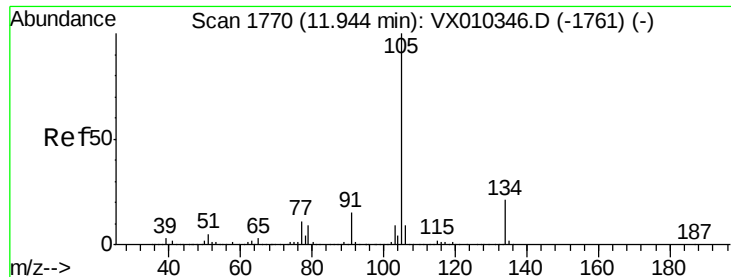
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#84
 1,2,4-Trimethylbenzene
 Concen: 252.374 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010704.D
 Acq: 08 Jul 2019 18:32

Tgt Ion:105 Resp: 2465589
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 12.488 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Instrument :

MSVOA_X

ClientSampled :

FL-0588

Tgt Ion:105 Resp: 143099

Ion Ratio Lower Upper

105 100

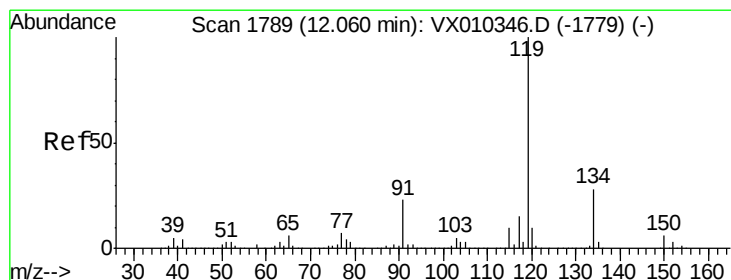
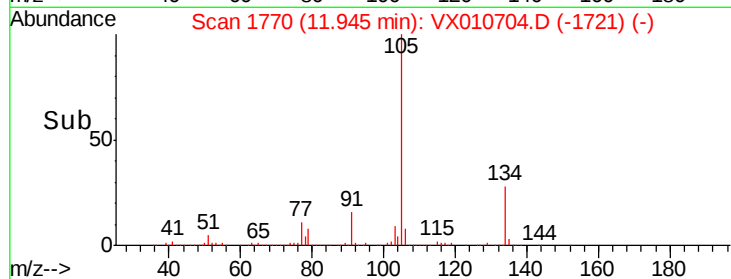
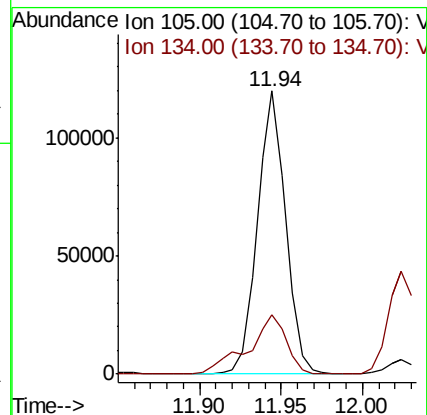
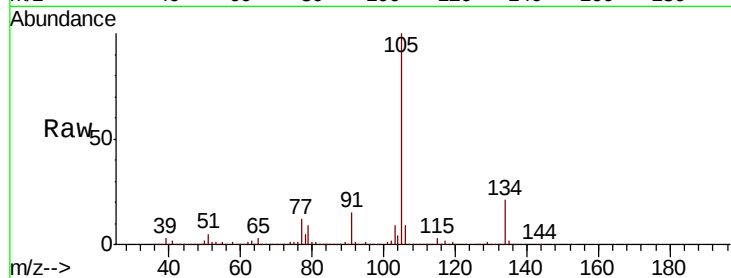
134 28.8 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 13.281 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

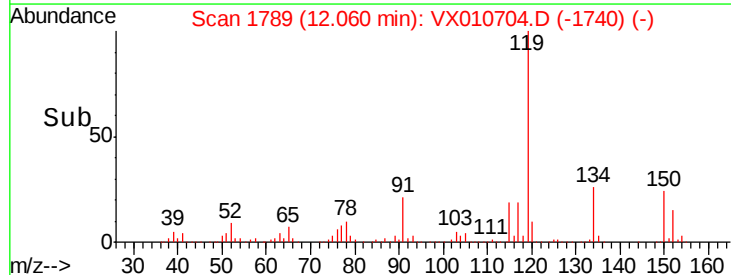
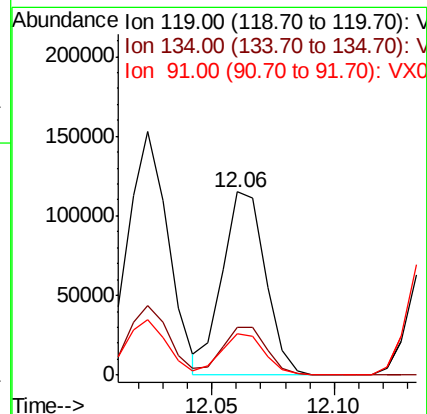
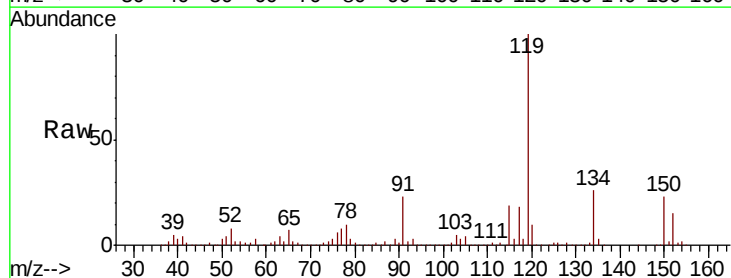
Tgt Ion:119 Resp: 140778

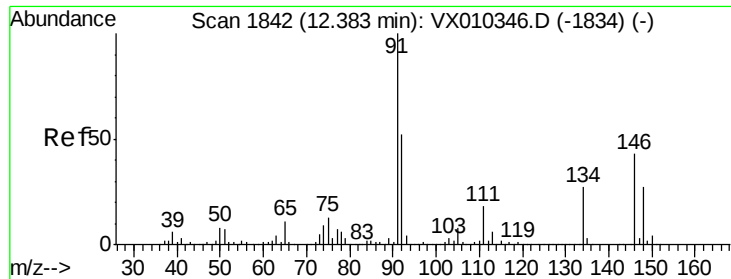
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 23.0 11.3 33.8





#89

n-Butylbenzene

Concen: 19.233 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Instrument :

MSVOA_X

ClientSampled :

FL-0588

Tgt Ion: 91 Resp: 173231
Ion Ratio Lower Upper

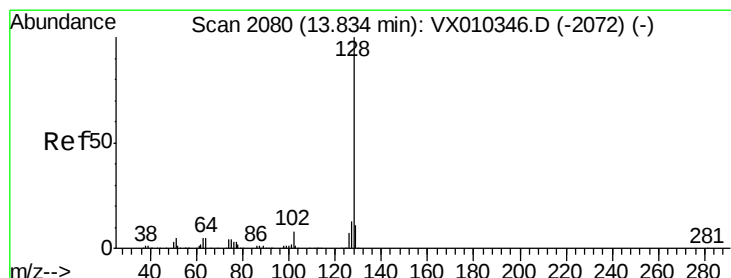
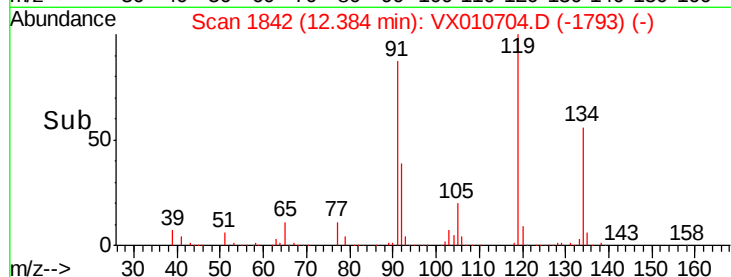
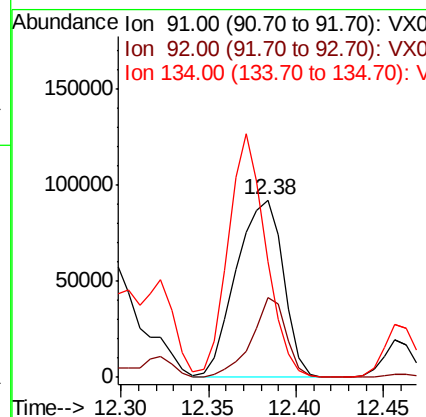
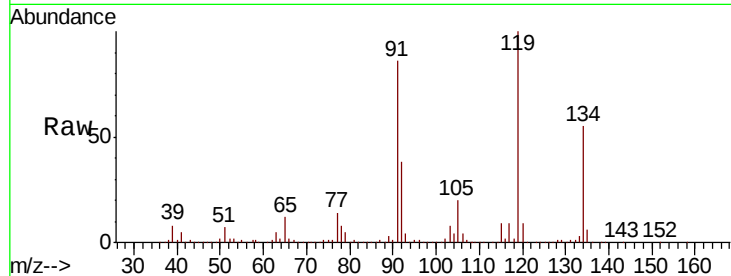
91 100

92 33.3 26.2 78.5

134 109.2 14.1 42.4#

Manual Integrations
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#95

Naphthalene

Concen: 49.218 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010704.D

Acq: 08 Jul 2019 18:32

Tgt Ion: 128 Resp: 599337
Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.6 8.9 13.3

