

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062119\
 Data File : VX010390.D
 Acq On : 21 Jun 2019 17:22
 Operator : JC/SP
 Sample : K3469-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-5-9.0-062019

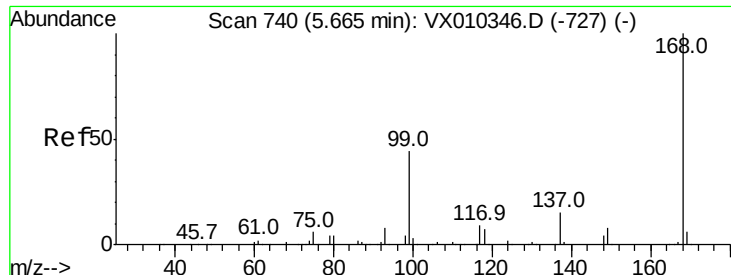
Manual Integrations
 APPROVED

MMDadoda
 6/24/2019 11:23:27 AM

Quant Time: Jun 22 00:49:51 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	275524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	417947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	364293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170011	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	128688	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.50	113	127158	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	8.71	98	493091	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	161963	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.04	59	9954	14.726	ug/l #	92
16) Acetone	2.44	43	32522	25.120	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	77903	10.369	ug/l #	90
31) Cyclohexane	5.58	56	36106	9.676	ug/l	94
39) Methylcyclohexane	7.46	83	44012	10.081	ug/l	97
40) Benzene	6.15	78	5261	0.508	ug/l	98
52) Toluene	8.79	92	4027	0.591	ug/l	91
67) Ethyl Benzene	10.25	91	13648	1.093	ug/l #	88
68) m/p-Xylenes	10.36	106	3259	0.674	ug/l	94
69) o-Xylene	10.70	106	2428	0.510	ug/l	93
73) Isopropylbenzene	11.02	105	526607	45.694	ug/l	100
78) n-propylbenzene	11.36	91	1843339	145.533	ug/l	100
83) tert-Butylbenzene	11.77	119	9261	0.971	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	2818m	0.295	ug/l	
85) sec-Butylbenzene	11.94	105	117167	10.465	ug/l	100
86) p-Isopropyltoluene	12.07	119	6700m	0.647	ug/l	
89) n-Butylbenzene	12.38	91	155159	17.631	ug/l #	76
91) 1,2-Dichlorobenzene	12.40	146	2450	0.439	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010390.D

Acq: 21 Jun 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-5-9.0-062019

Tot Ion:168 Resp: 275524

Ion Ratio Lower Upper

168 100

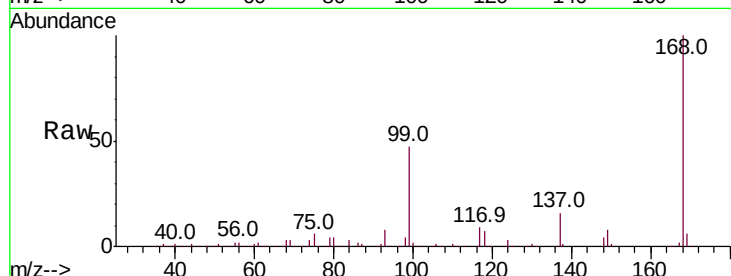
99 47.3 35.5 53.3

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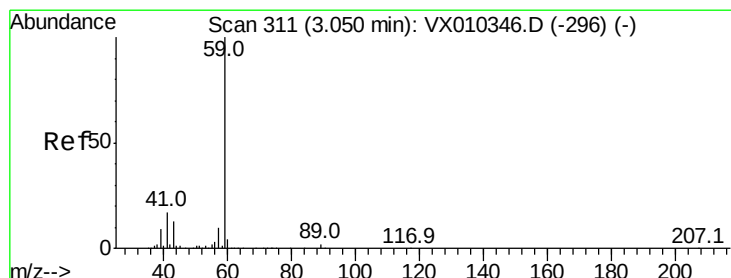
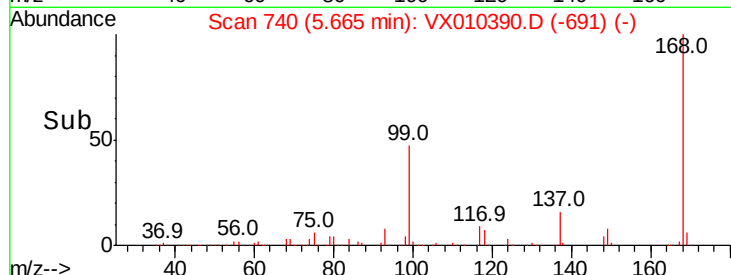
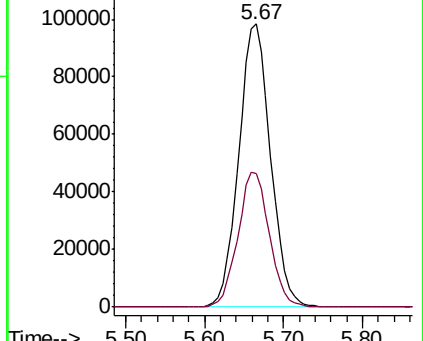
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 14.726 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010390.D

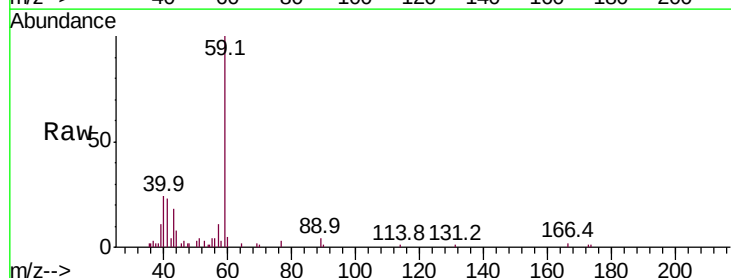
Acq: 21 Jun 2019 17:22

Tgt Ion: 59 Resp: 9954

Ion Ratio Lower Upper

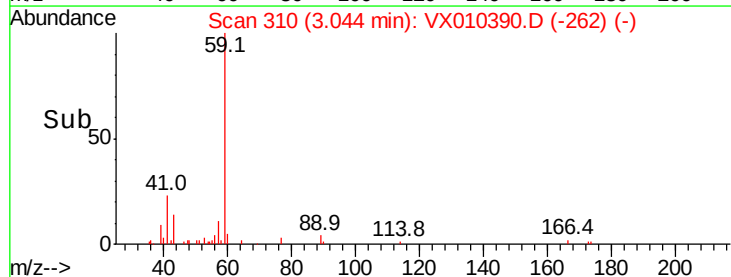
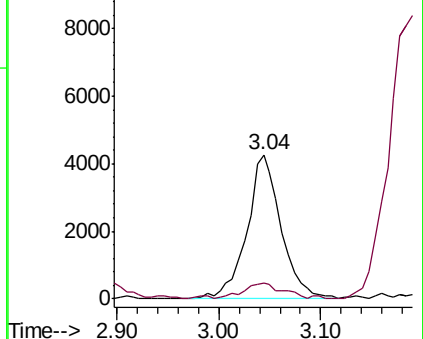
59 100

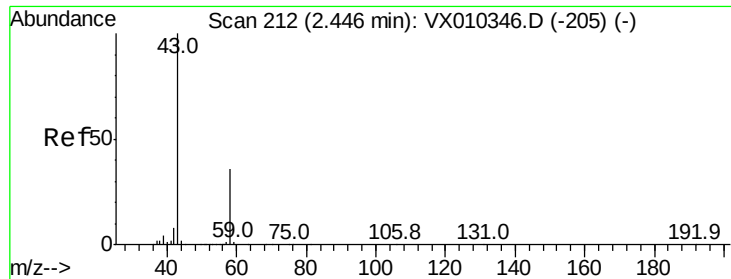
57 12.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 25.120 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010390.D

Acq: 21 Jun 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-5-9.0-062019

Tot Ion: 43 Resp: 32522

Ion Ratio Lower Upper

43 100

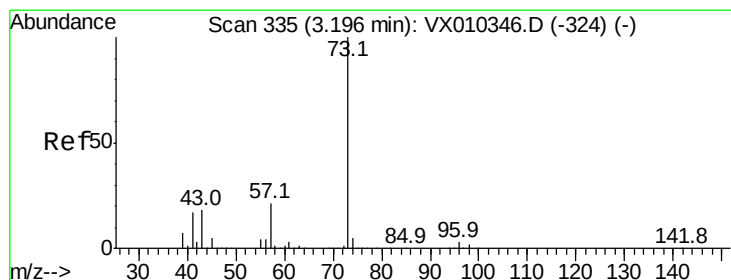
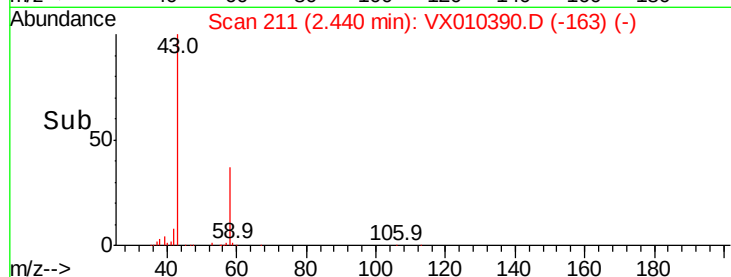
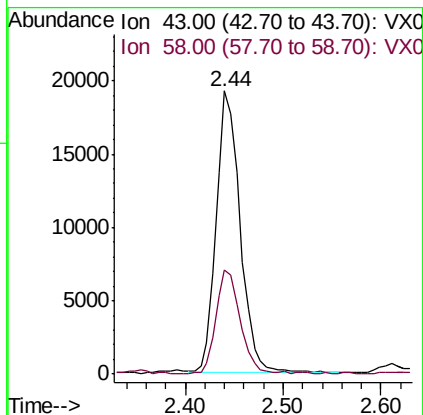
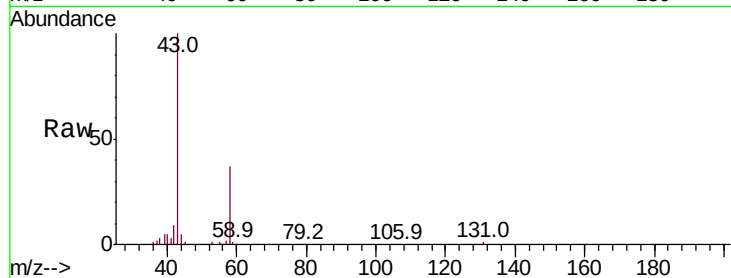
58 37.3 28.9 43.3

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#19

Methyl tert-butyl Ether

Concen: 10.369 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX010390.D

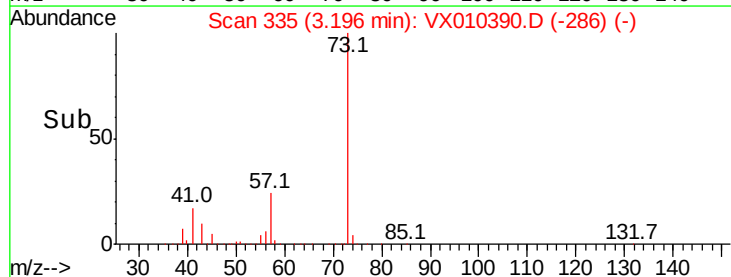
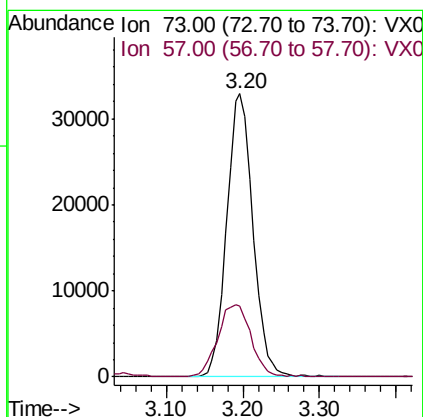
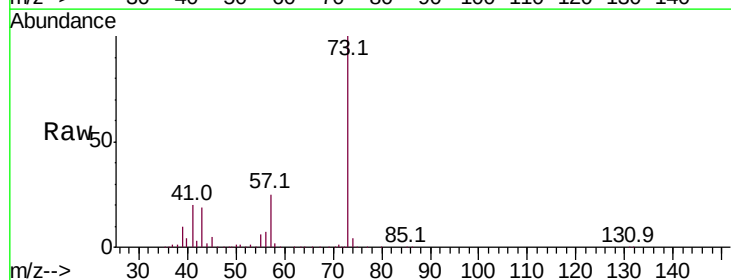
Acq: 21 Jun 2019 17:22

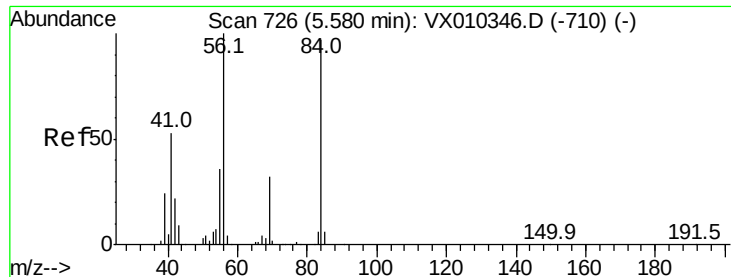
Tgt Ion: 73 Resp: 77903

Ion Ratio Lower Upper

73 100

57 24.9 16.4 24.6#





#31

Cyclohexane

Concen: 9.676 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010390.D

Acq: 21 Jun 2019 17:22

Instrument :

MSVOA_X

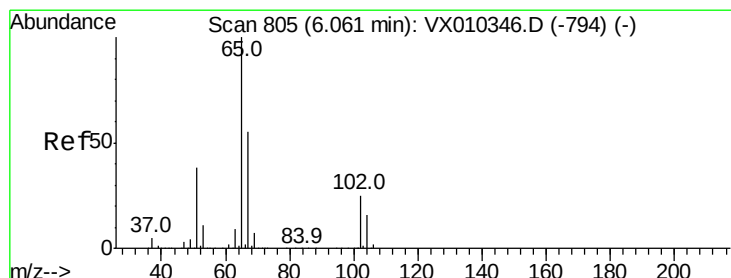
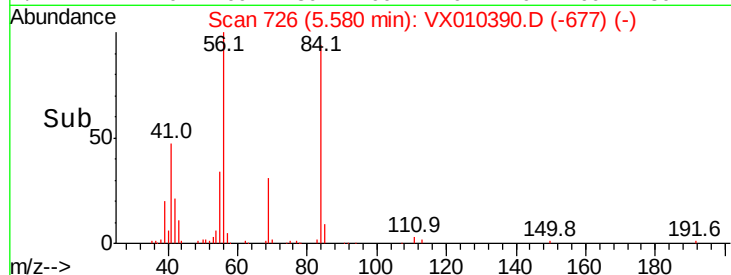
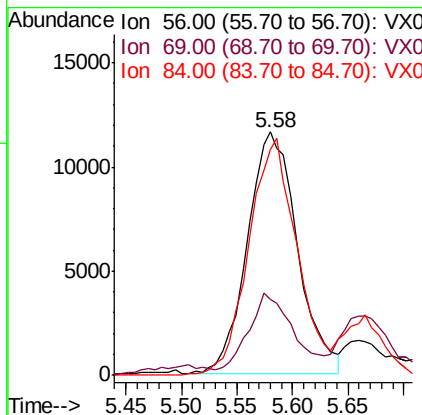
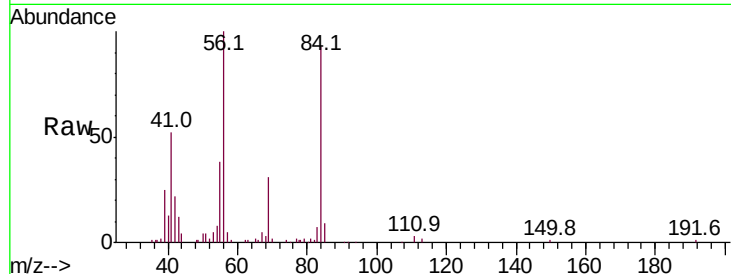
ClientSampleId :

T11-MW-5-9.0-062019

Tot Ion:	56	Resp:	36106
Ion	Ratio	Lower	Upper
56	100		
69	26.9	25.9	38.9
84	92.9	78.0	117.0

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#33

1,2-Dichloroethane-d4

Concen: 49.815 ug/l

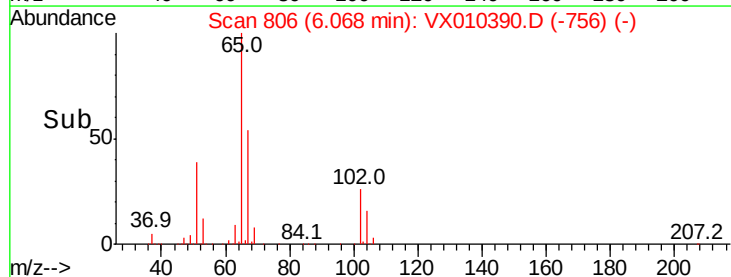
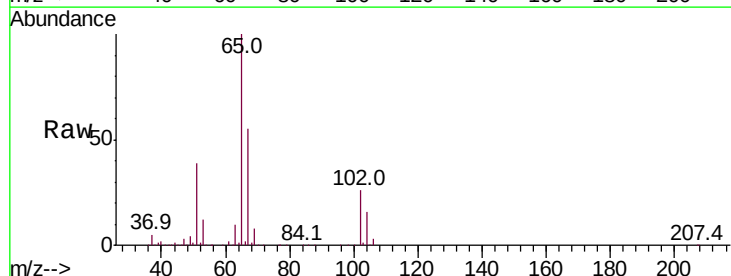
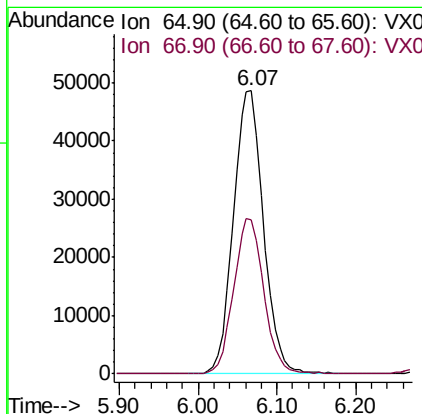
RT: 6.07 min Scan# 806

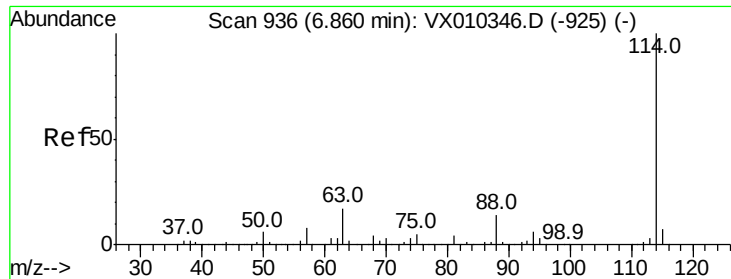
Delta R.T. 0.01 min

Lab File: VX010390.D

Acq: 21 Jun 2019 17:22

Tgt Ion:	65	Resp:	128688
Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	110.2





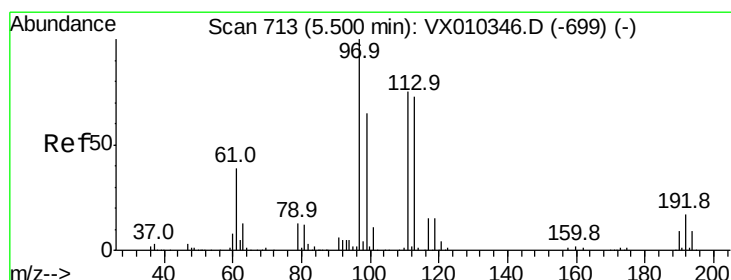
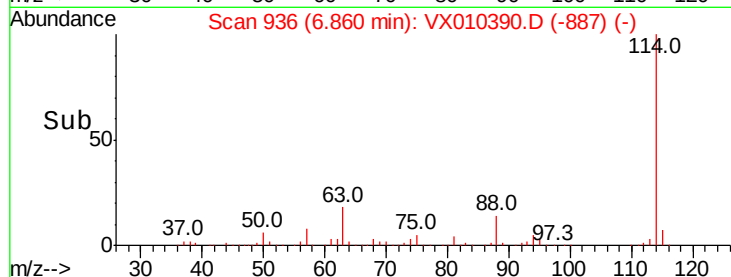
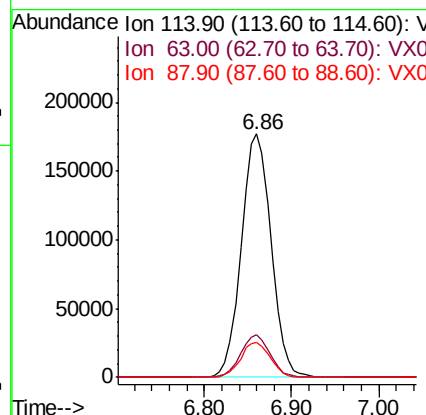
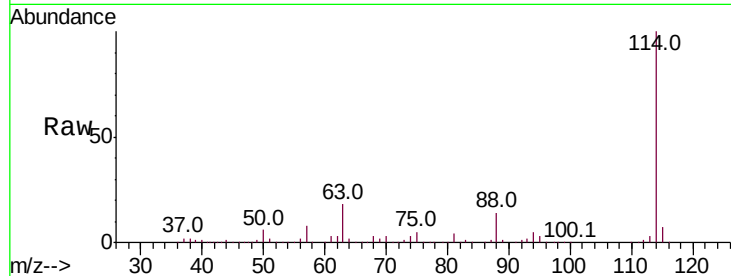
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-062019

Tot Ion	Ratio	Resp	Lower	Upper
114	100	417947		
63	17.6	0.0	33.8	
88	14.1	0.0	27.6	

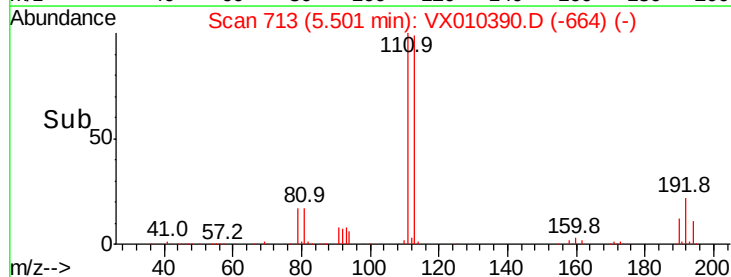
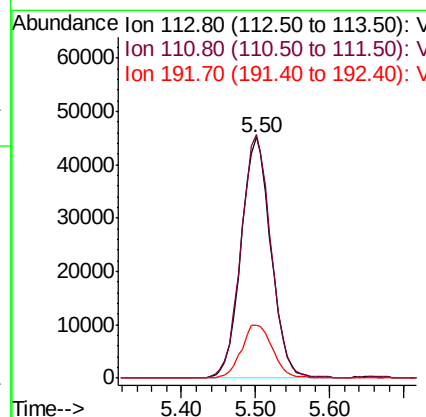
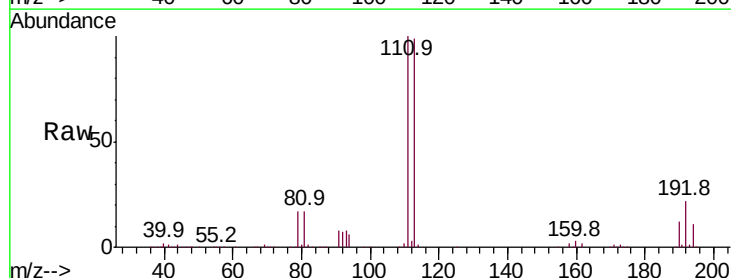
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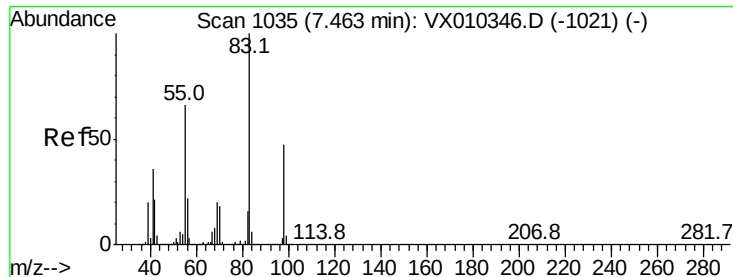
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#35
Dibromofluoromethane
Concen: 49.726 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	127158		
111	101.9	81.2	121.8	
192	23.0	18.6	27.8	





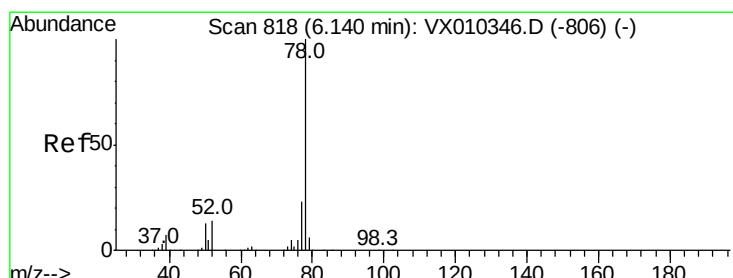
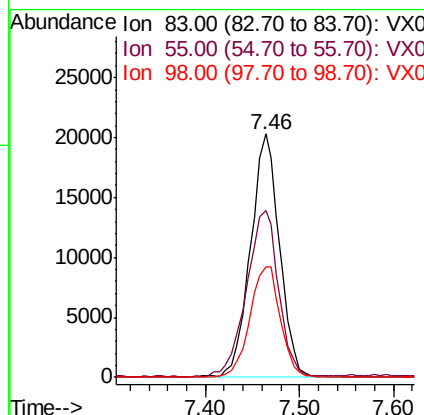
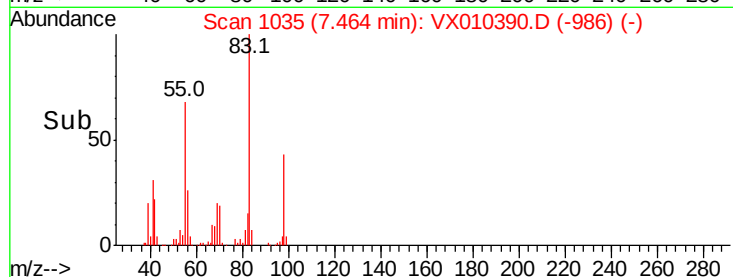
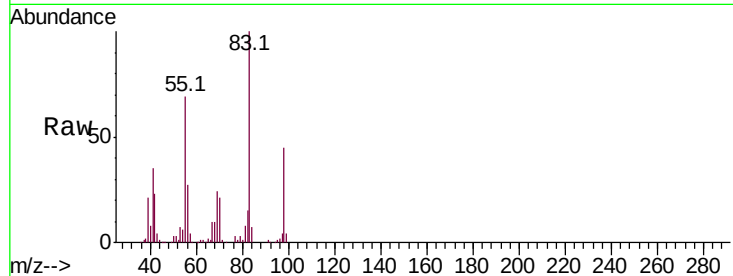
#39
Methylvlcyclohexane
Concen: 10.081 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-062019

Tot Ion	83	Resp	44012
Ion Ratio	100	Lower	Upper
83	100		
55	68.7	53.0	79.6
98	45.4	37.8	56.8

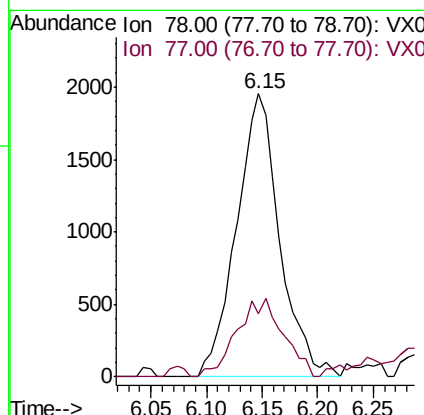
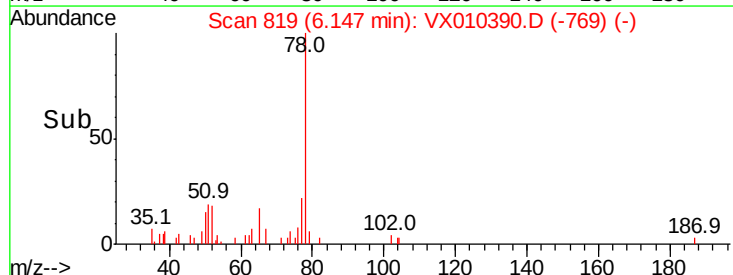
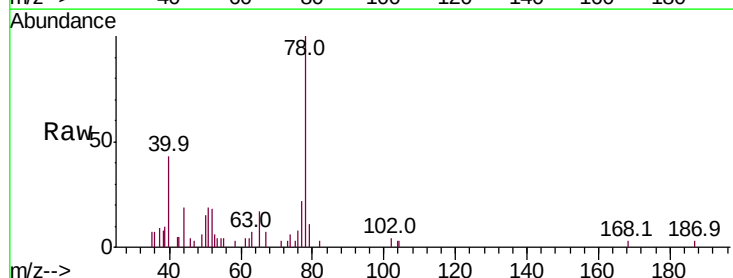
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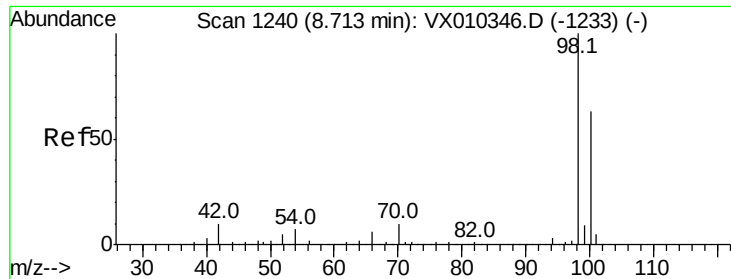
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6/24/2019 11:23:27 AM



#40
Benzene
Concen: 0.508 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Tgt Ion	78	Resp	5261
Ion Ratio	100	Lower	Upper
78	100		
77	22.2	18.6	28.0





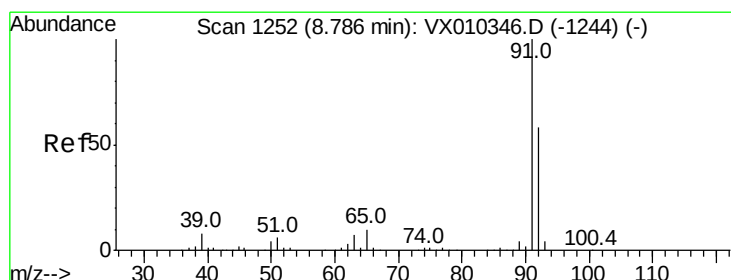
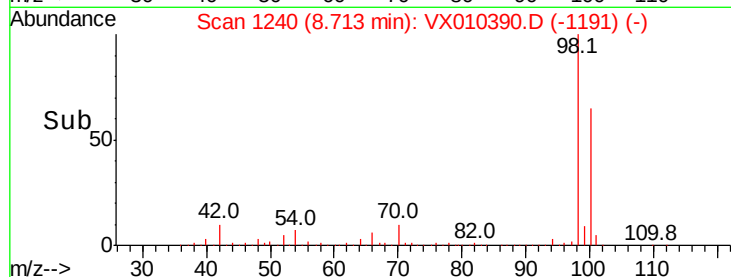
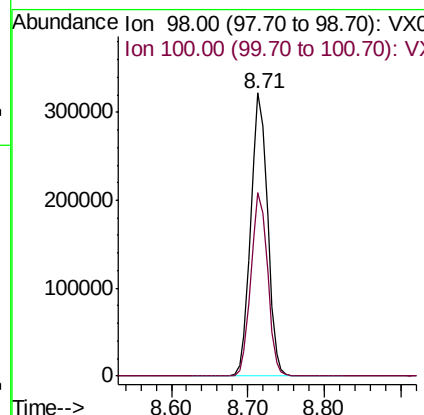
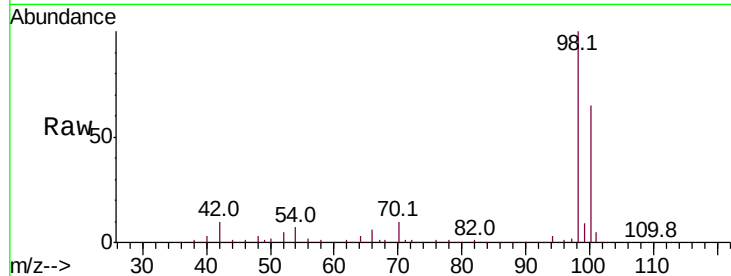
#50
Toluene-d8
Concen: 50.402 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-062019

Tot Ion: 98 Resp: 493091
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

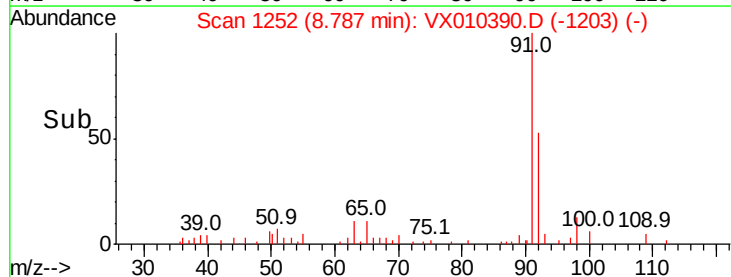
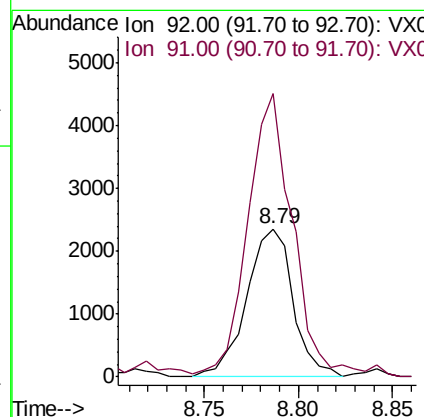
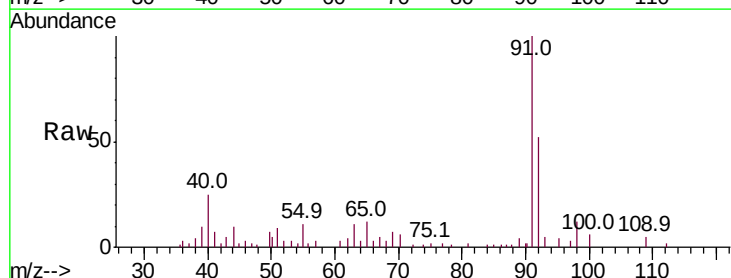
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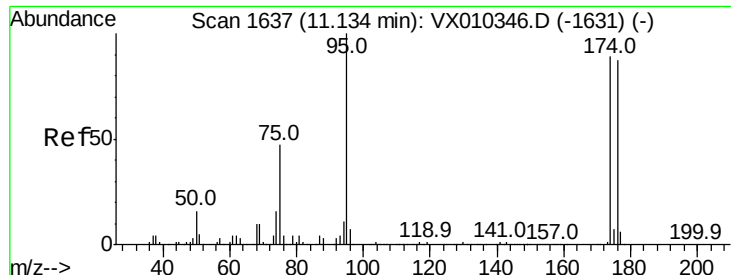
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6/24/2019 11:23:27 AM



#52
Toluene
Concen: 0.591 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Tgt Ion: 92 Resp: 4027
Ion Ratio Lower Upper
92 100
91 187.0 139.8 209.6





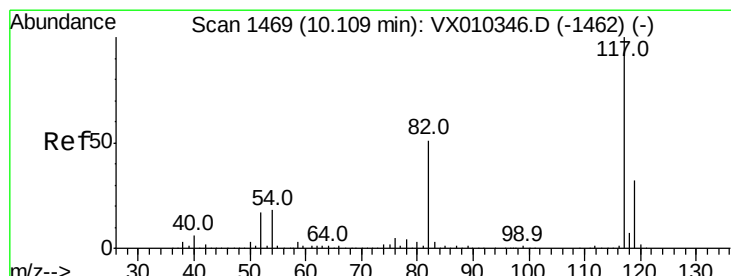
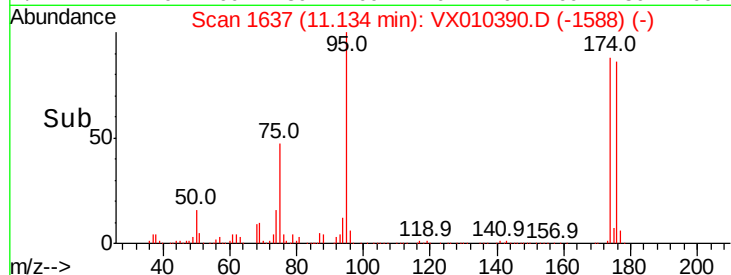
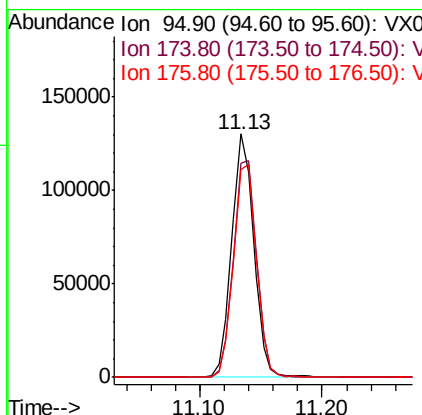
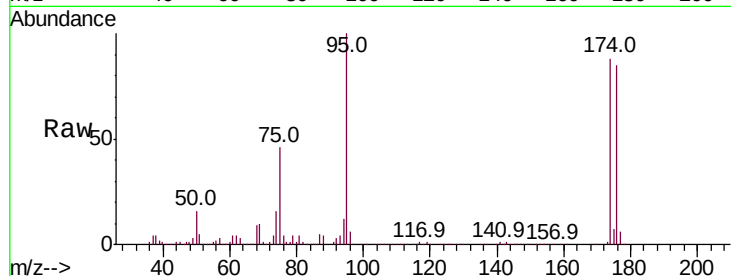
#62
4-Bromofluorobenzene
Concen: 45.856 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-062019

Tot Ion	Ratio	Resp	Lower	Upper
95	100	161963		
174	93.5	0.0	187.6	
176	90.8	0.0	184.0	

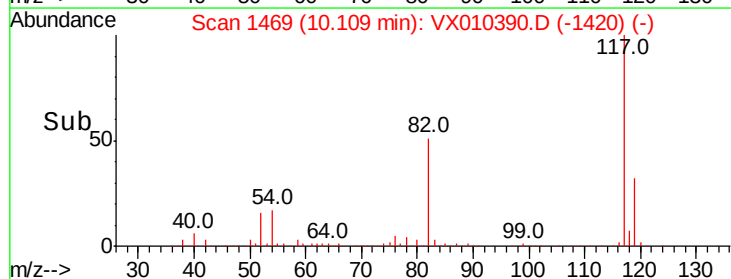
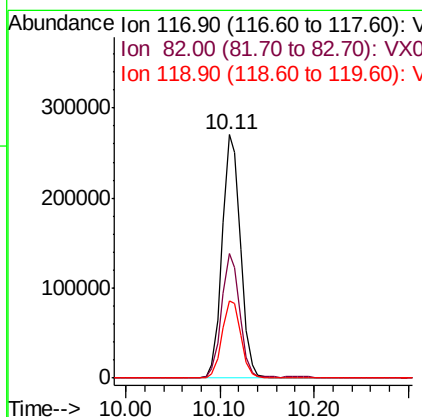
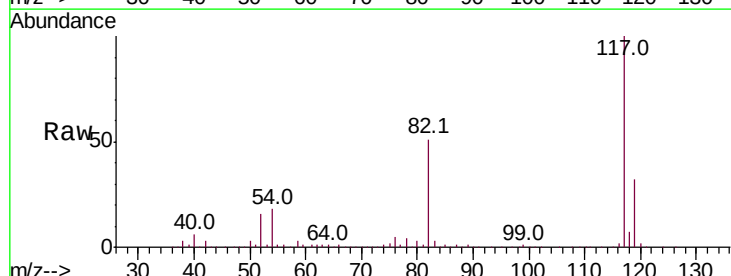
Manual Integrations
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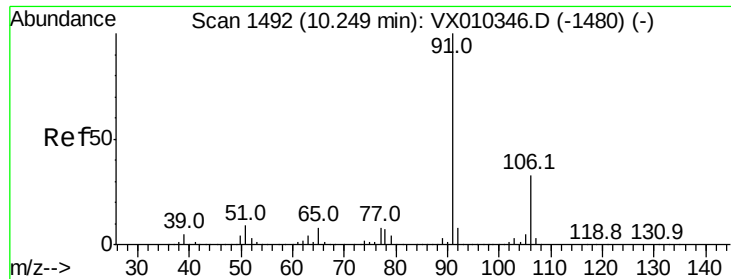
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6/24/2019 11:23:27 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	364293		
82	50.9	41.2	61.8	
119	31.5	25.5	38.3	





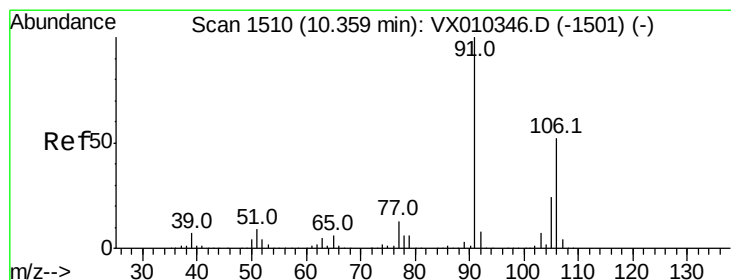
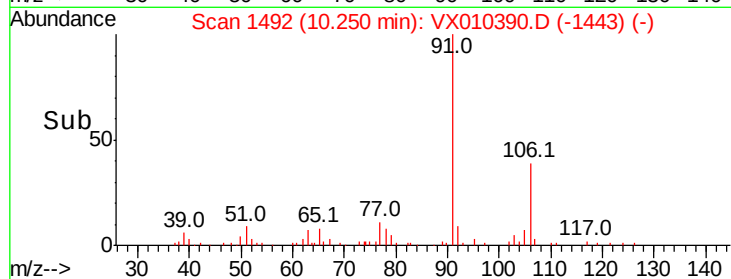
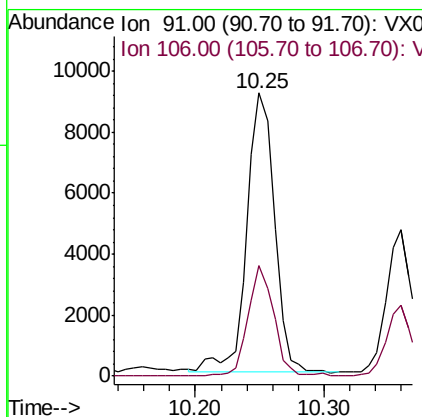
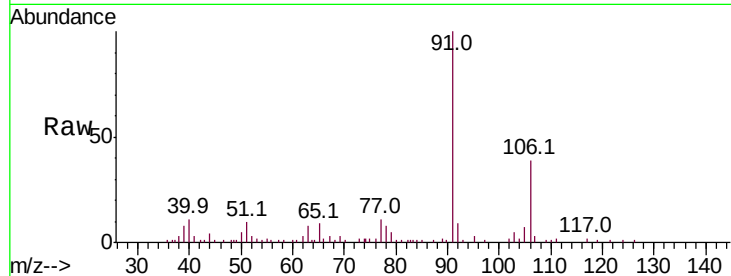
#67
Ethyl Benzene
Concen: 1.093 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-062019

Tot Ion: 91 Resp: 13648
Ion Ratio Lower Upper
91 100
106 39.5 26.2 39.2#

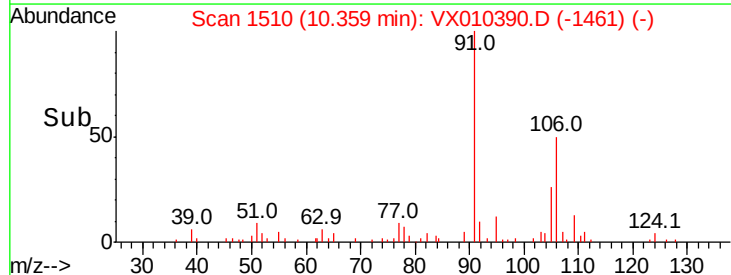
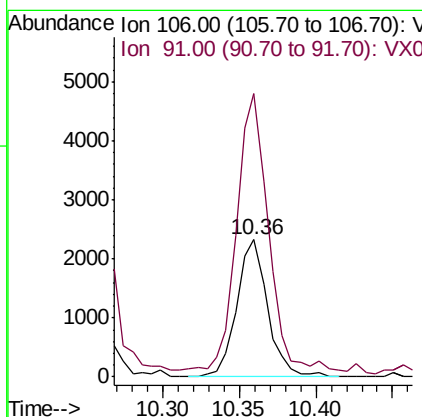
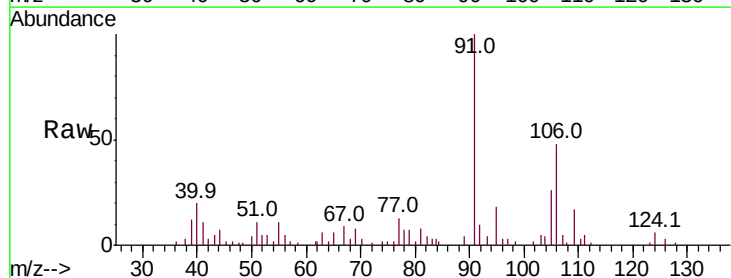
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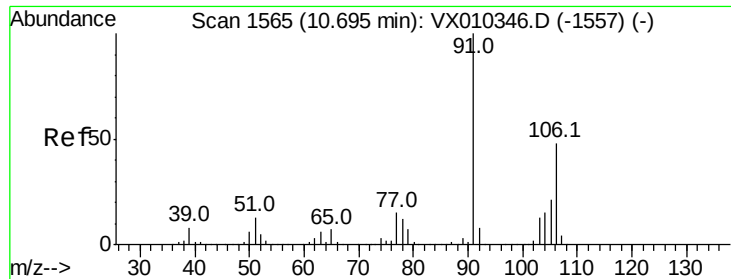
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#68
m/p-Xylenes
Concen: 0.674 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Tgt Ion: 106 Resp: 3259
Ion Ratio Lower Upper
106 100
91 203.7 155.3 232.9





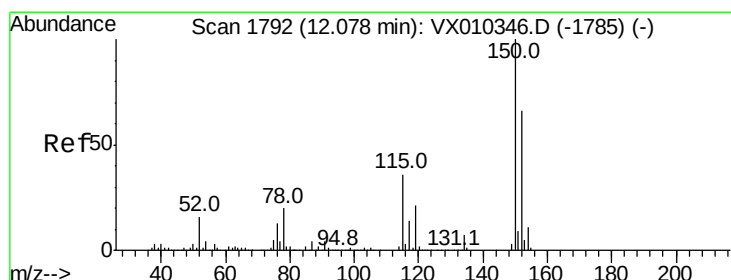
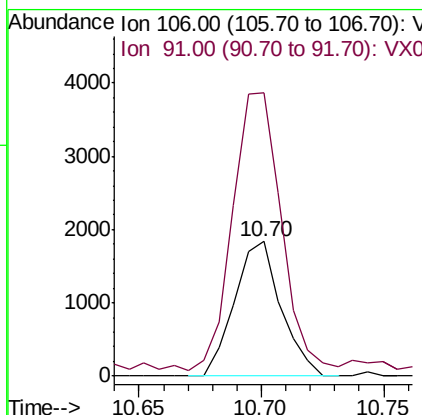
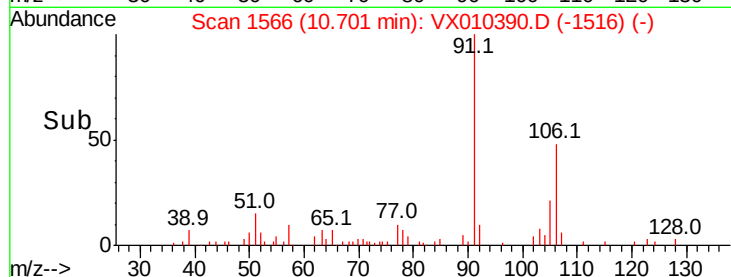
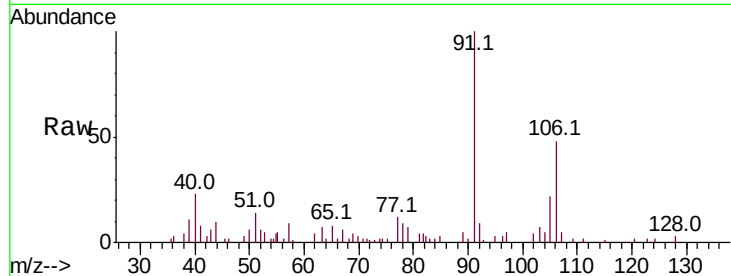
#69
o-Xylene
Concen: 0.510 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-062019

Tot Ion:106 Resp: 2428
Ion Ratio Lower Upper
106 100
91 215.6 102.7 308.1

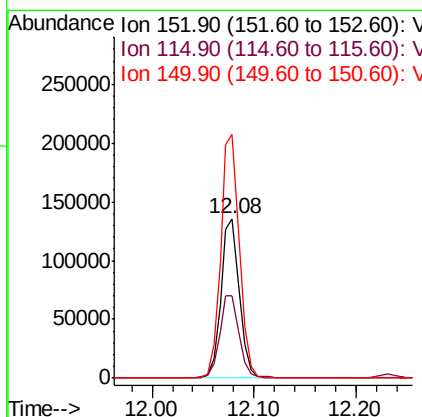
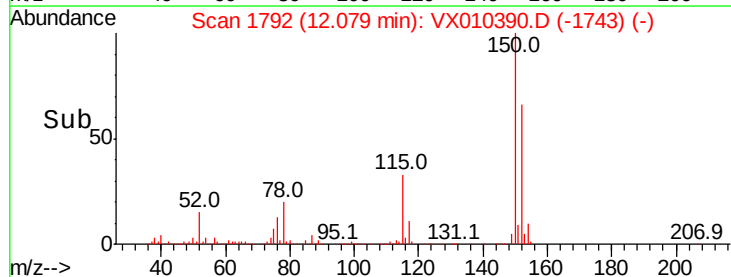
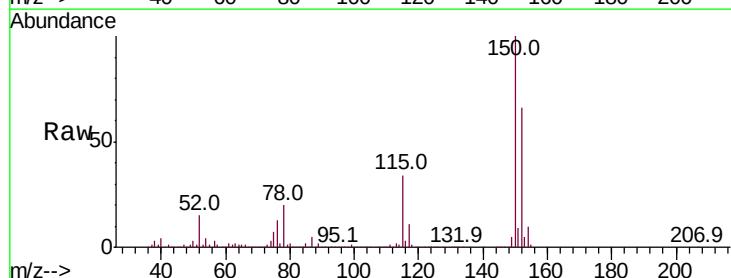
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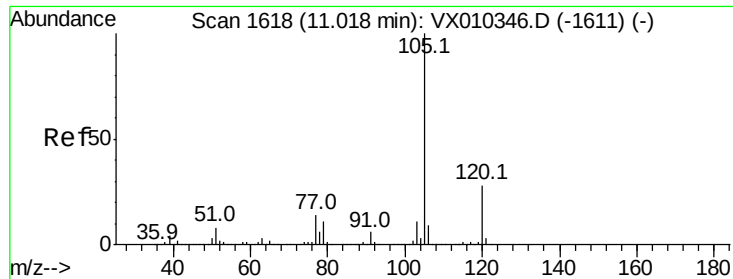
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Tgt Ion:152 Resp: 170011
Ion Ratio Lower Upper
152 100
115 53.8 38.6 115.7
150 155.0 0.0 347.4





#73

Isopropylbenzene

Concen: 45.694 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010390.D

Acq: 21 Jun 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-5-9.0-062019

Tot Ion:105 Resp: 526607

Ion Ratio Lower Upper

105 100

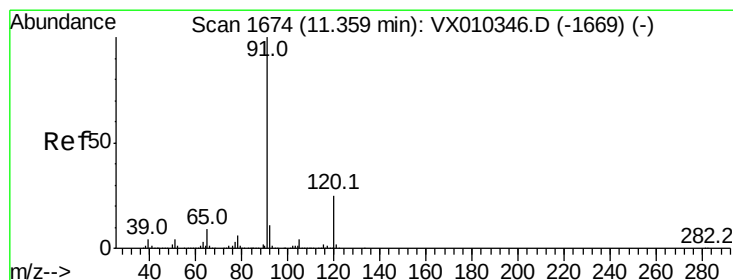
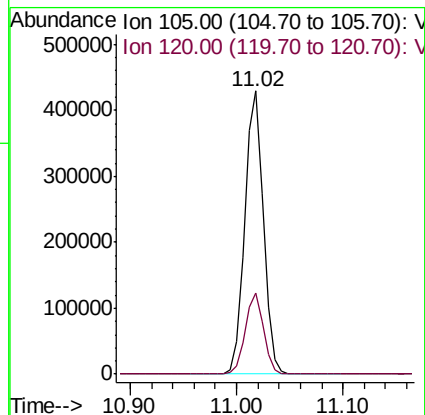
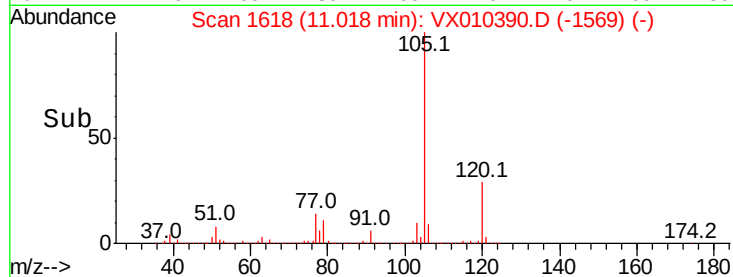
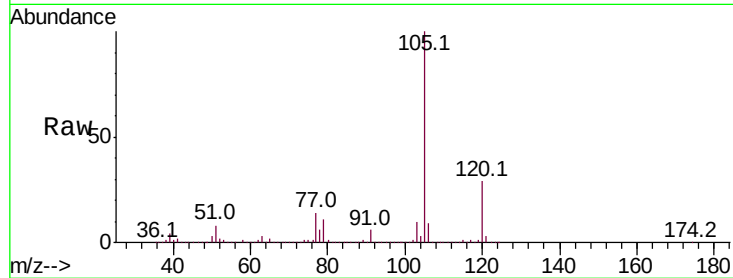
120 28.2 14.1 42.4

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6/24/2019 11:23:27 AM



#78

n-propylbenzene

Concen: 145.533 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010390.D

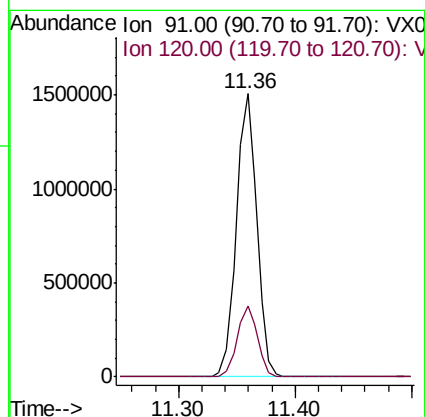
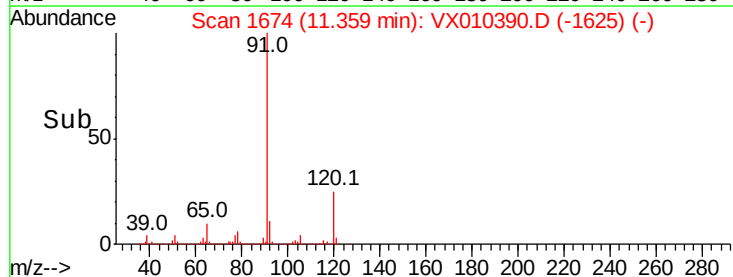
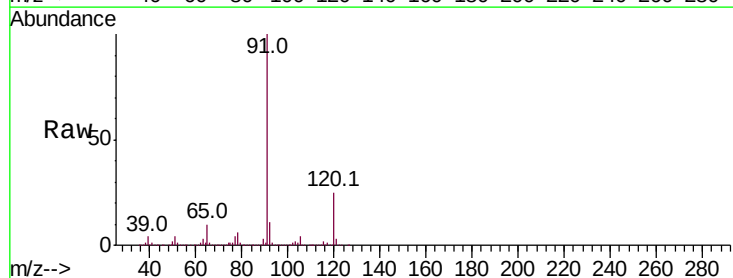
Acq: 21 Jun 2019 17:22

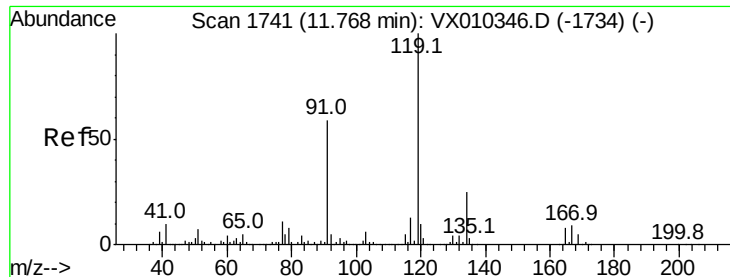
Tgt Ion: 91 Resp: 1843339

Ion Ratio Lower Upper

91 100

120 24.8 12.4 37.4





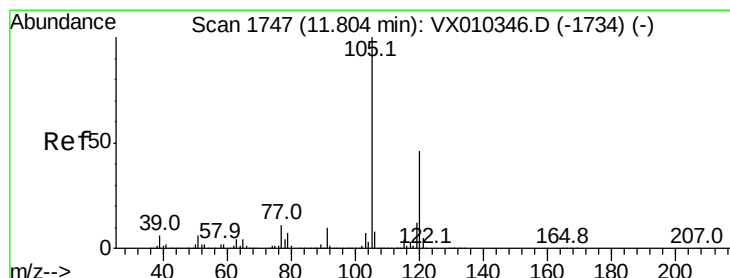
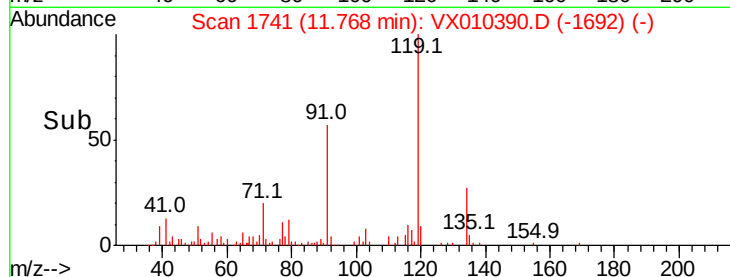
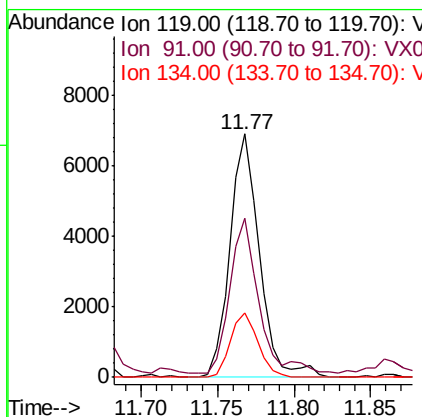
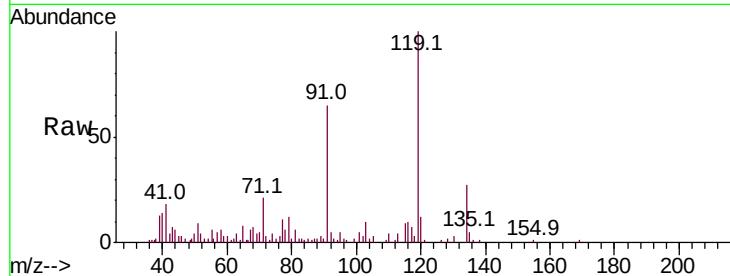
#83
tert-Butylbenzene
Concen: 0.971 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-062019

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	27.6	82.7
134	24.4	11.8	35.4

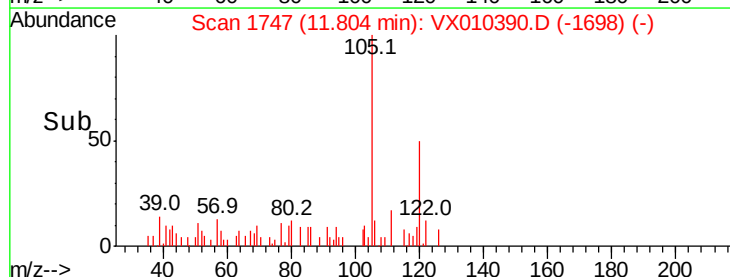
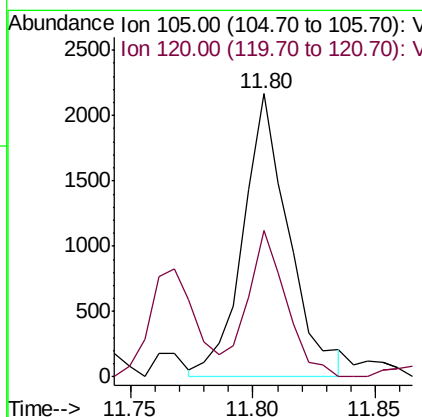
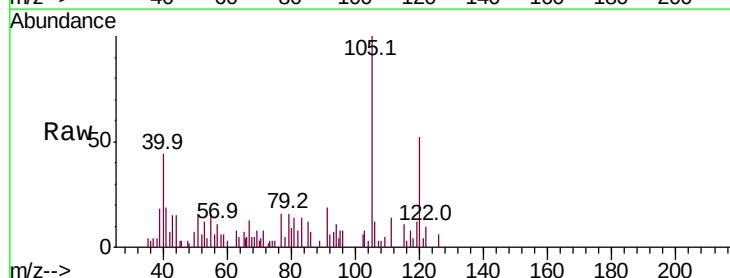
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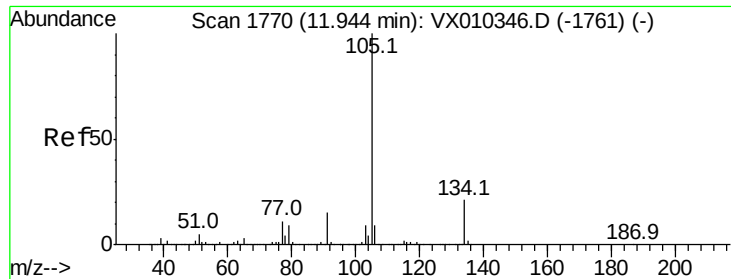
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#84
1,2,4-Trimethylbenzene
Concen: 0.295 ug/l m
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	761.7	23.1	69.2#





#85

sec-Butylbenzene

Concen: 10.465 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010390.D

Acq: 21 Jun 2019 17:22

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-5-9.0-062019

Tot Ion:105 Resp: 117167

Ion Ratio Lower Upper

105 100

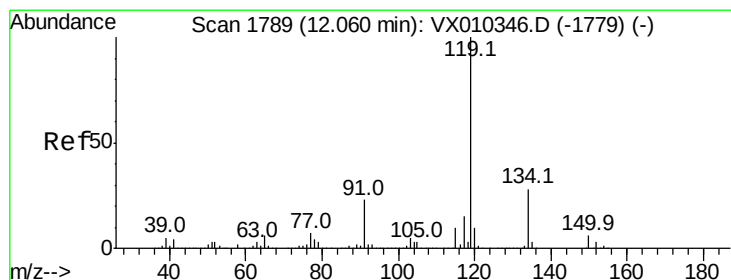
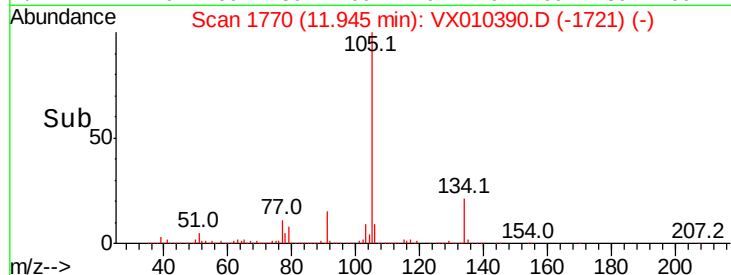
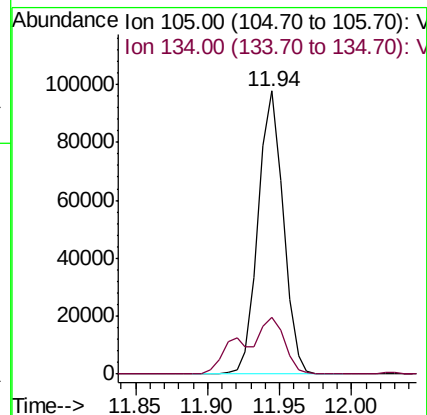
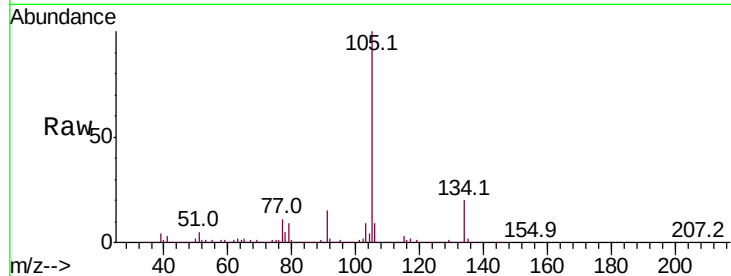
134 21.4 10.7 31.9

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6/24/2019 11:23:27 AM



#86

p-Isopropyltoluene

Concen: 0.647 ug/l m

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX010390.D

Acq: 21 Jun 2019 17:22

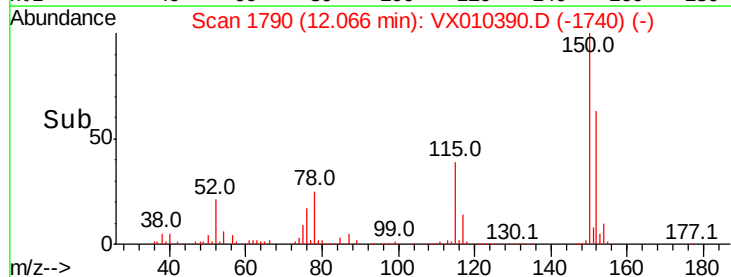
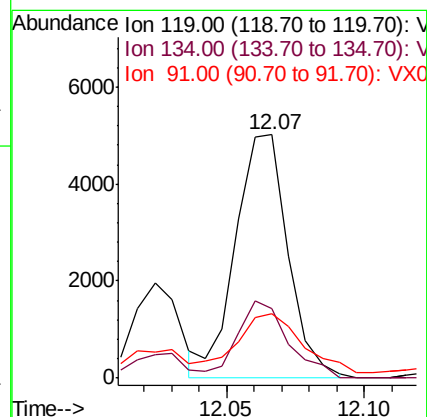
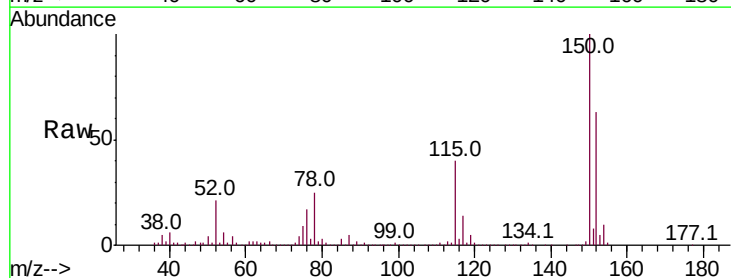
Tgt Ion:119 Resp: 6700

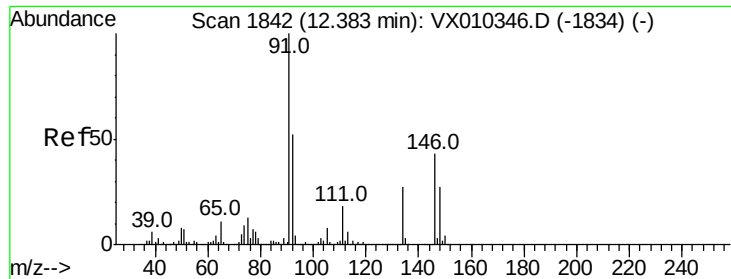
Ion Ratio Lower Upper

119 100

134 183.4 13.7 41.1#

91 0.0 11.3 33.8#





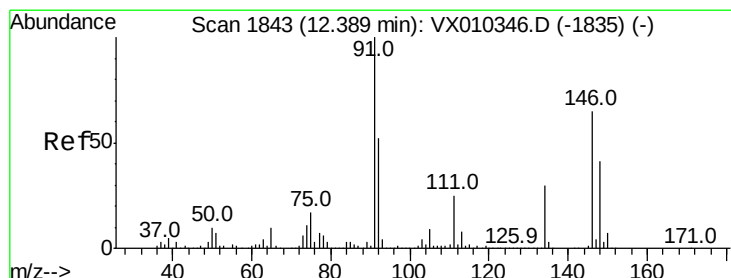
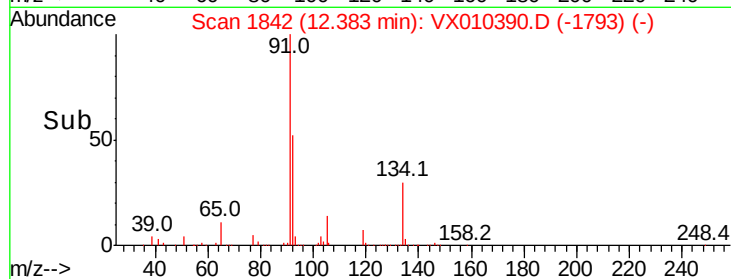
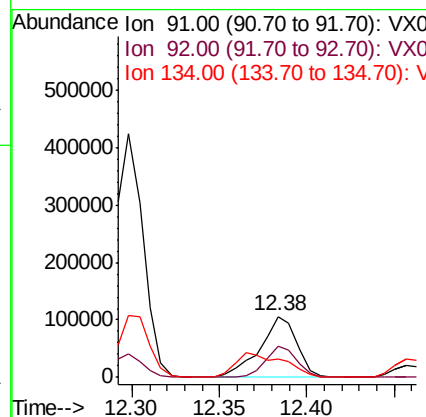
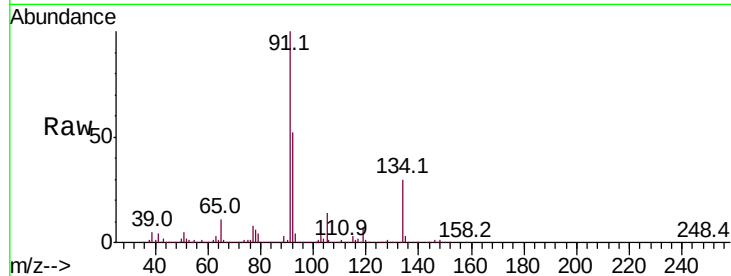
#89
n-Butylbenzene
Concen: 17.631 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-5-9.0-062019

Tot Ion	Ratio	Lower	Upper
91	100		
92	43.8	26.2	78.5
134	52.7	14.1	42.4

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#91
1,2-Dichlorobenzene
Concen: 0.439 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX010390.D
Acq: 21 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	19.2	57.6
148	65.8	32.0	96.0

