

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010818.D
 Acq On : 11 Jul 2019 19:30
 Operator : JC/SP
 Sample : K3749-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Manual Integrations
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MMDadoda
 7/12/2019 12:21:28 PM

Quant Time: Jul 12 09:38:01 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	224130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157905	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	114623	54.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.08%	
35) Dibromofluoromethane	5.50	113	108720	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
50) Toluene-d8	8.71	98	430617	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.13	95	153282	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	12685	12.044	ug/l	93
25) 2-Butanone	4.68	43	8965	5.803	ug/l	99
31) Cyclohexane	5.59	56	86577	28.522	ug/l #	91
39) Methylcyclohexane	7.46	83	84363	22.939	ug/l	95
40) Benzene	6.14	78	13420	1.540	ug/l	96
52) Toluene	8.79	92	8606	1.499	ug/l	93
67) Ethyl Benzene	10.25	91	32537	2.867	ug/l	98
68) m/p-Xylenes	10.36	106	42889	9.753	ug/l	98
69) o-Xylene	10.70	106	1835	0.424	ug/l	99
73) Isopropylbenzene	11.02	105	360448	33.674	ug/l	98
78) n-propylbenzene	11.36	91	279726	23.778	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	10384	1.177	ug/l	96
83) tert-Butylbenzene	11.77	119	6855	0.774	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	2588m	0.292	ug/l	
85) sec-Butylbenzene	11.94	105	21889	2.105	ug/l	94
86) p-Isopropyltoluene	12.06	119	8321	0.865	ug/l	92
89) n-Butylbenzene	12.38	91	30143	3.688	ug/l #	67
95) Naphthalene	13.83	128	176739	15.994	ug/l	100

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

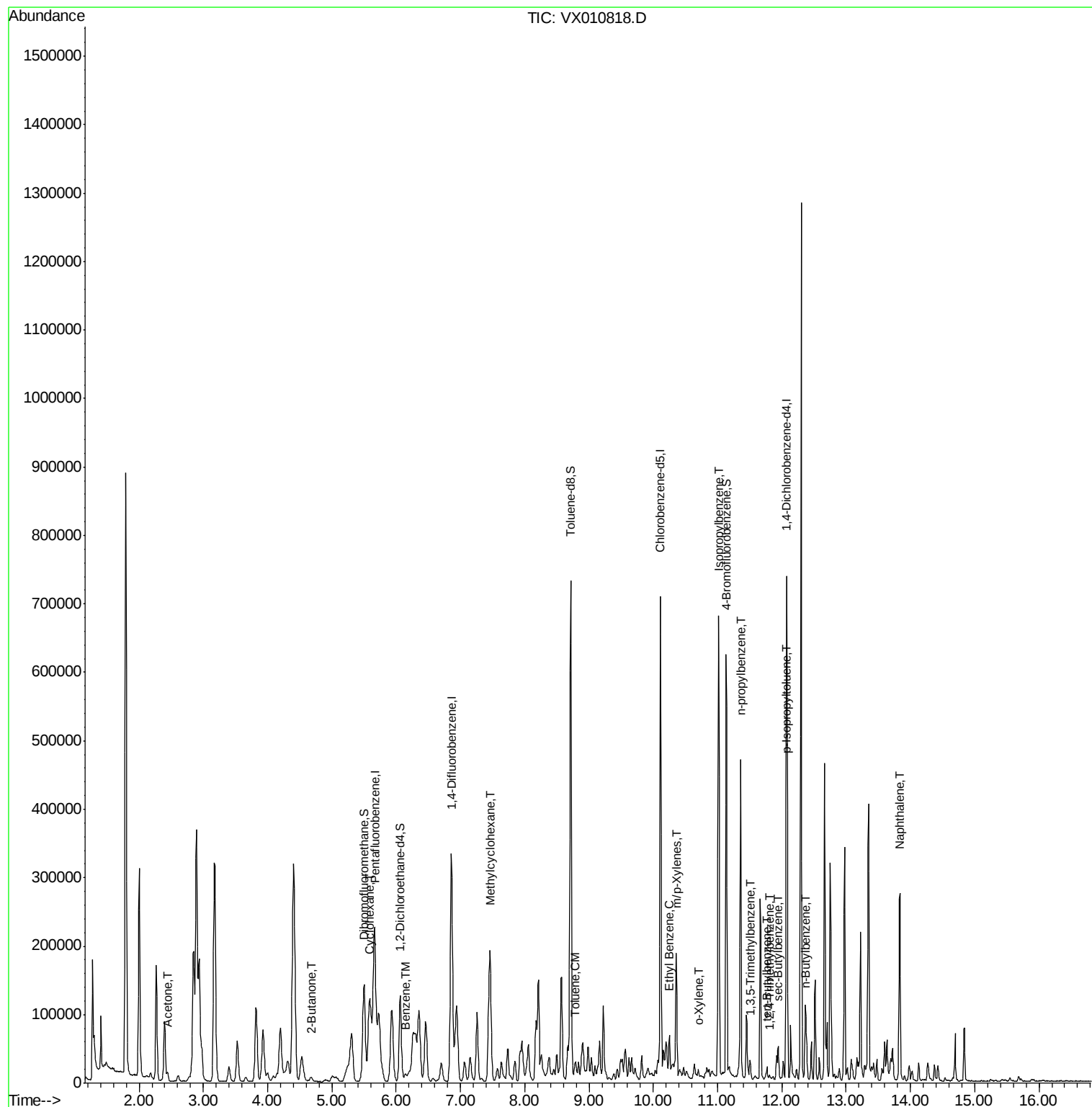
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071119\
Data File : VX010818.D
Acq On : 11 Jul 2019 19:30
Operator : JC/SP
Sample : K3749-05
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ALS Vial : 26 Sample Multiplier: 1

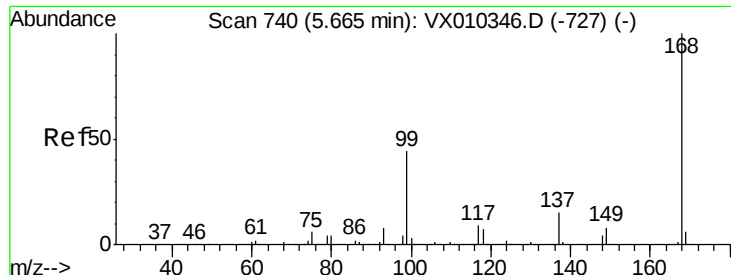
Instrument :
MSVOA_X
ClientSampleId :
MW-2

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7/12/2019 12:21:28 PM

Quant Time: Jul 12 09:38:01 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: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion:168 Resp: 224130

Ion Ratio Lower Upper

168 100

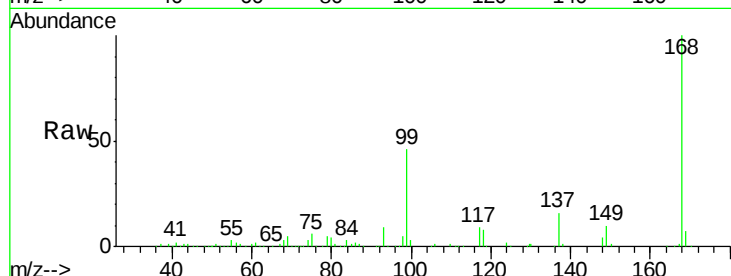
99 46.3 35.5 53.3

Manual Integrations

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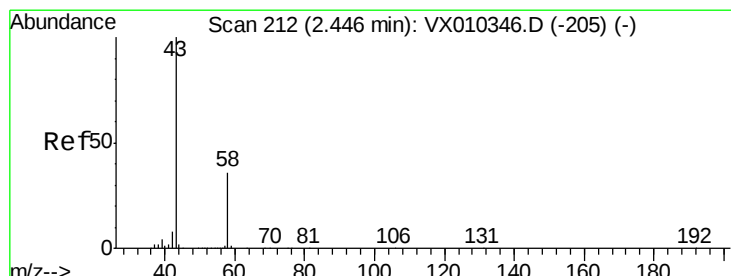
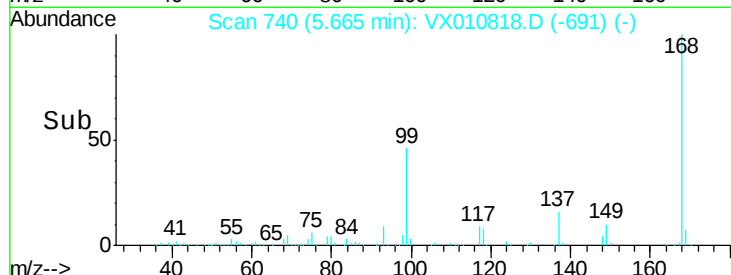
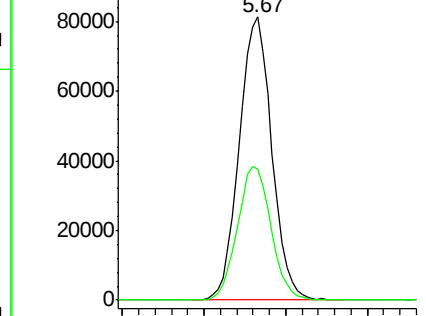
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 12.044 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010818.D

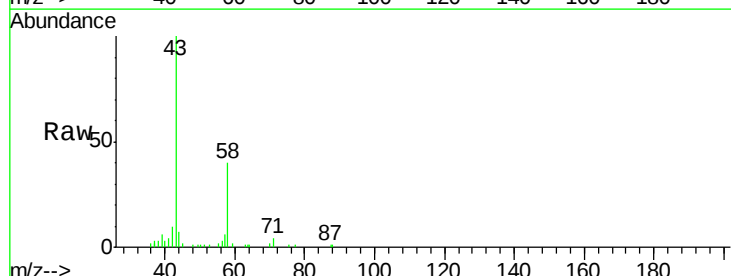
Acq: 11 Jul 2019 19:30

Tgt Ion: 43 Resp: 12685

Ion Ratio Lower Upper

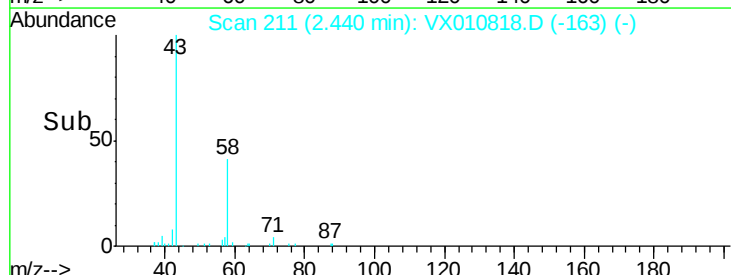
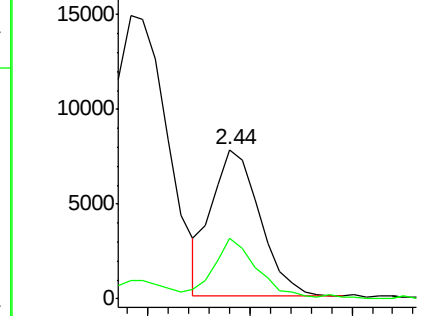
43 100

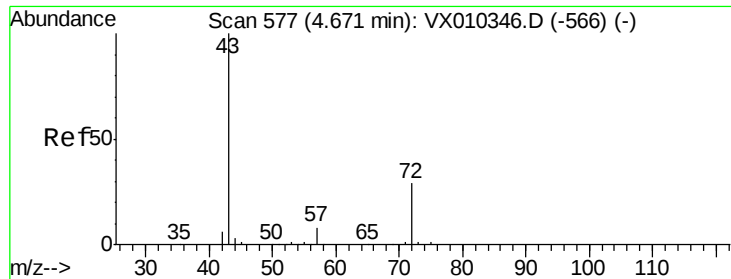
58 40.3 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 5.803 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 43 Resp: 8965

Ion Ratio Lower Upper

43 100

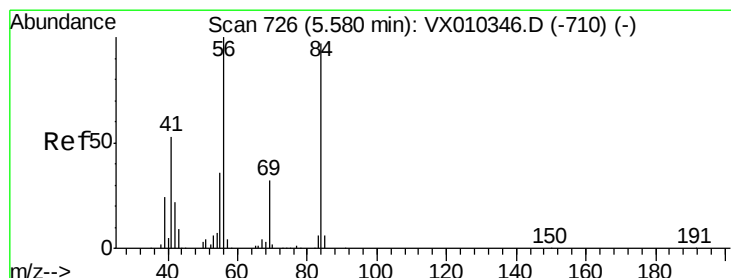
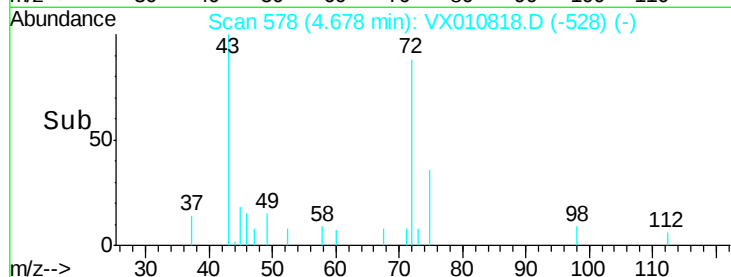
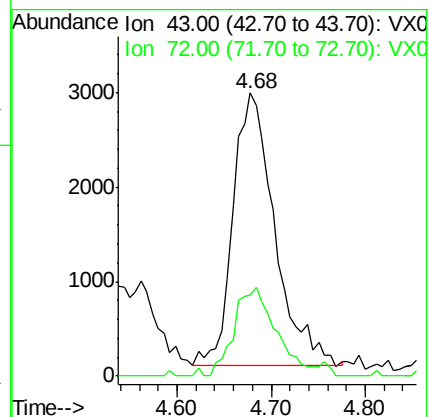
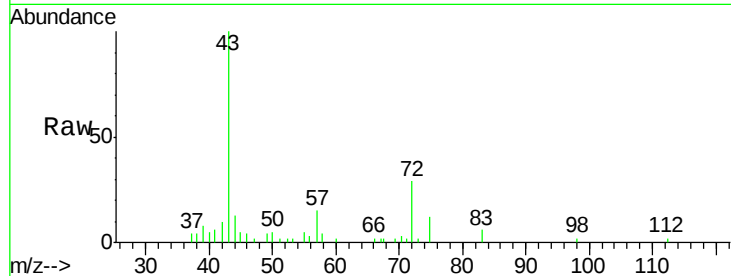
72 29.7 23.3 34.9

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#31

Cyclohexane

Concen: 28.522 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

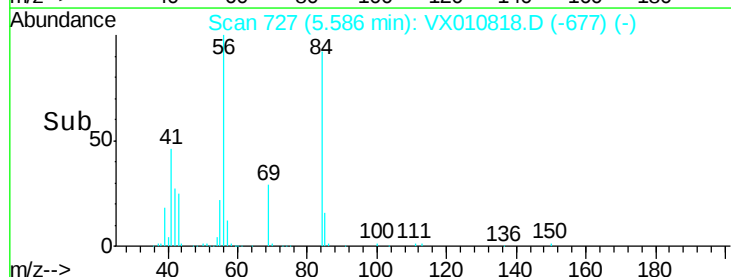
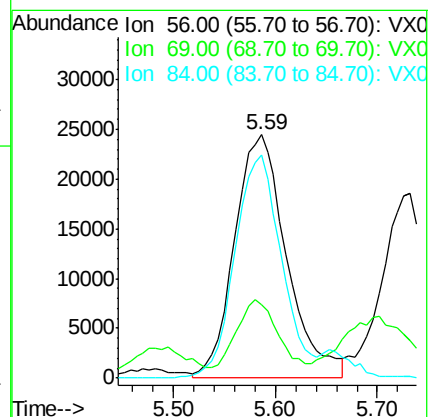
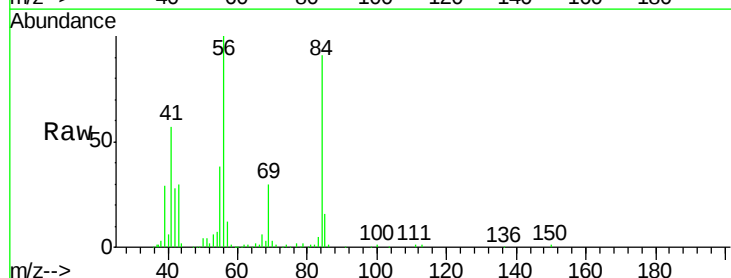
Tgt Ion: 56 Resp: 86577

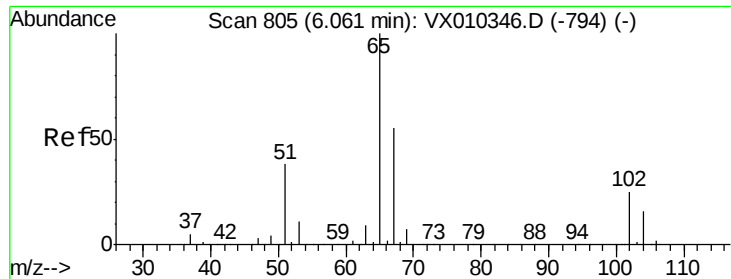
Ion Ratio Lower Upper

56 100

69 22.4 25.9 38.9#

84 91.8 78.0 117.0





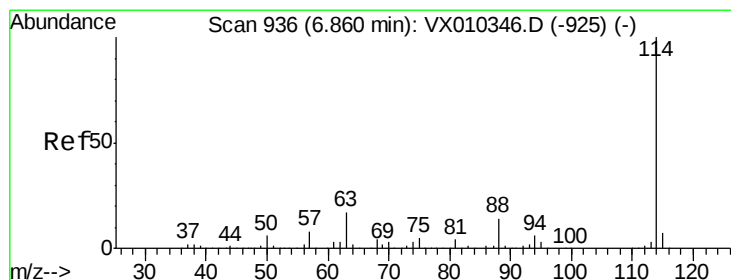
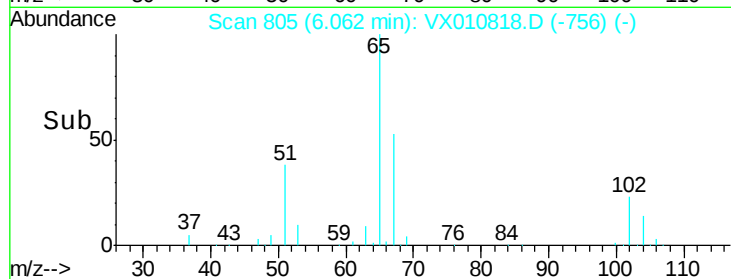
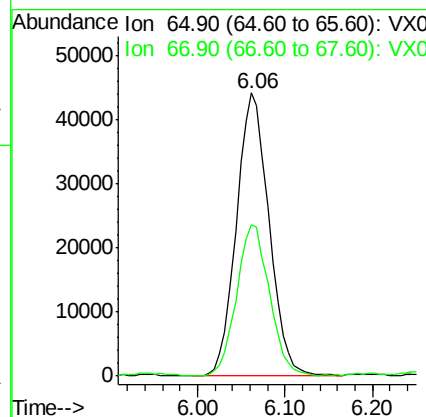
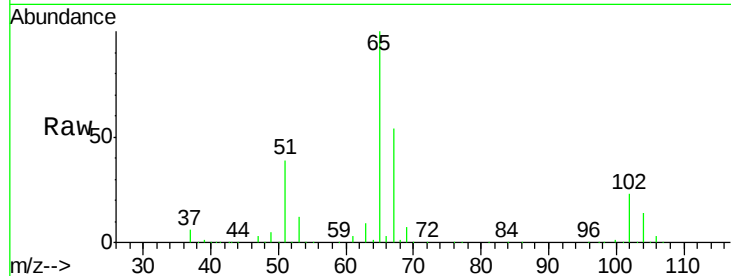
#33
 1,2-Dichloroethane-d4
 Concen: 54.545 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010818.D
 Acq: 11 Jul 2019 19:30

Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

Tot Ion	Ratio	Resp	Lower	Upper
65	100	114623		
67	53.4	0.0	110.2	

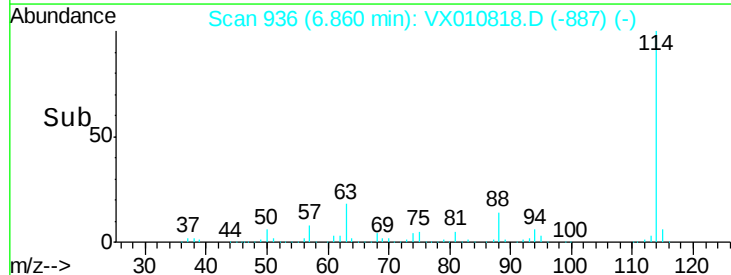
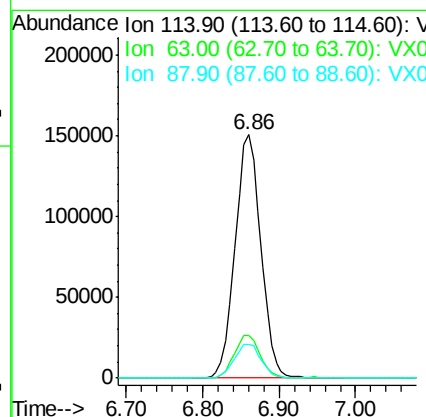
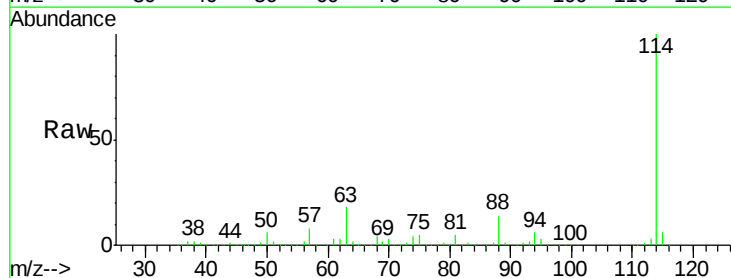
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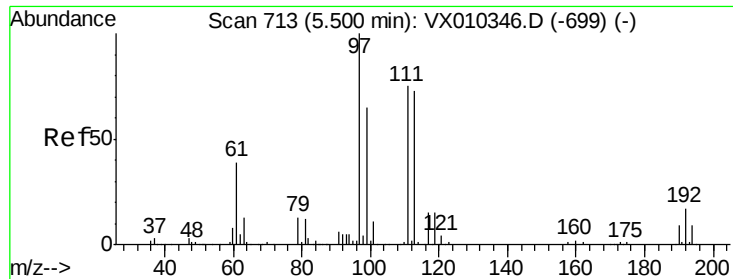
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010818.D
 Acq: 11 Jul 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	352082		
63	17.6	0.0	33.8	
88	13.9	0.0	27.6	





#35

Dibromofluoromethane

Concen: 50.470 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

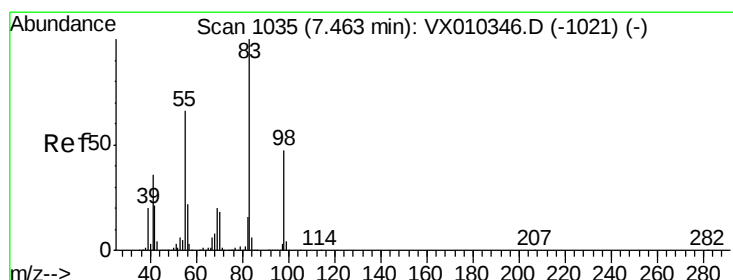
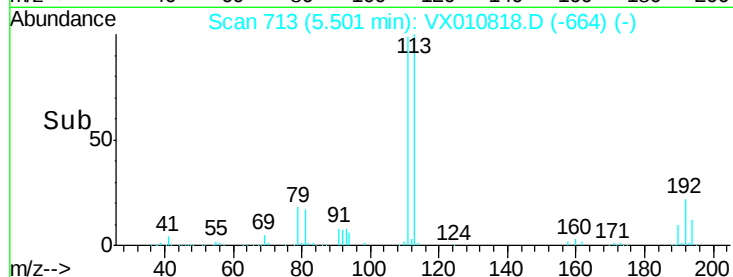
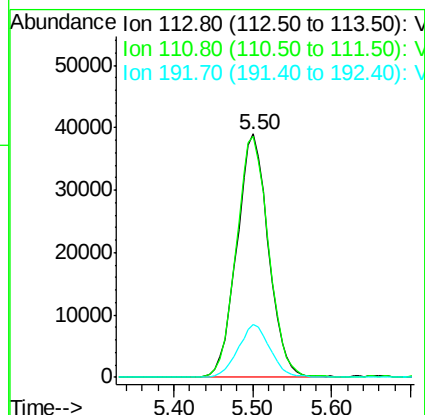
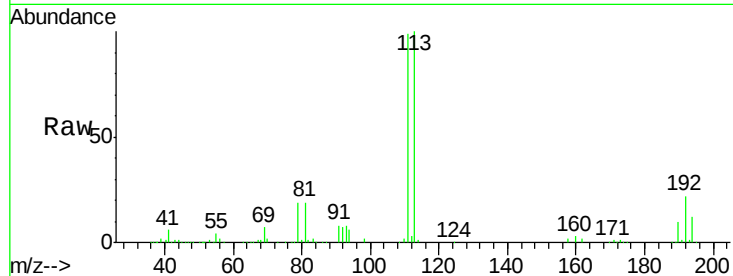
ClientSampled :

MW-2

Tot Ion:	113	Resp:	108720
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.2	121.8
192	22.0	18.6	27.8

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#39

Methylcyclohexane

Concen: 22.939 ug/l

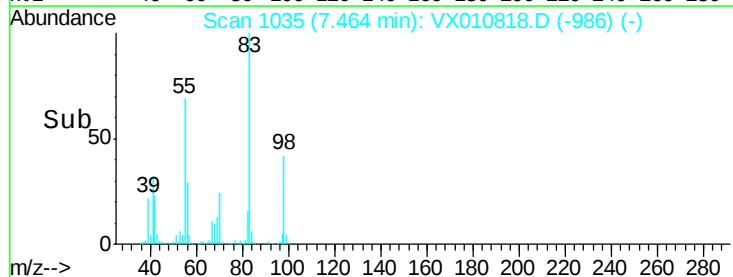
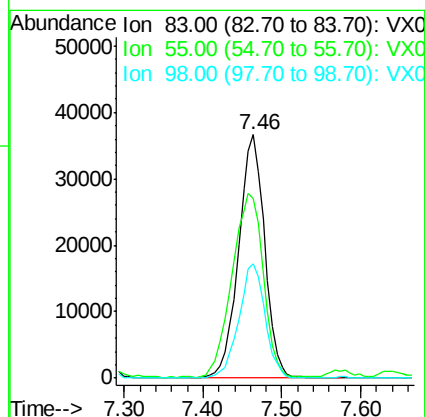
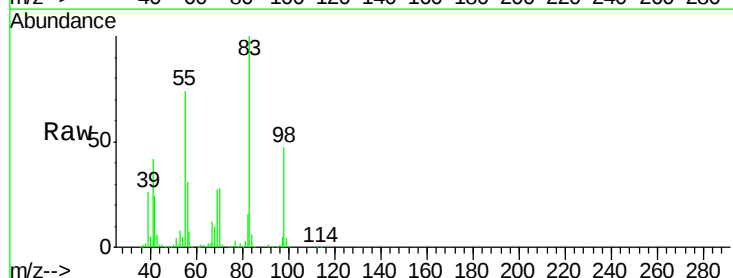
RT: 7.46 min Scan# 1035

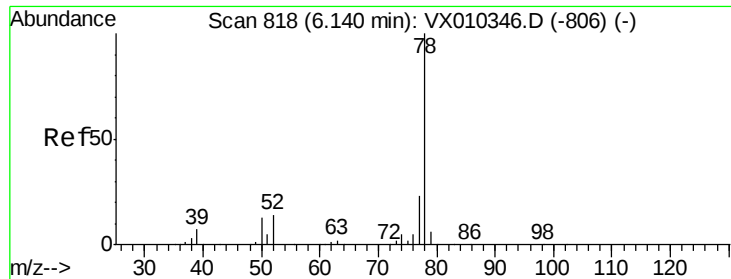
Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Tgt Ion:	83	Resp:	84363
Ion Ratio	Lower	Upper	
83	100		
55	73.3	53.0	79.6
98	47.2	37.8	56.8





#40

Benzene

Concen: 1.540 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 78 Resp: 13420

Ion Ratio Lower Upper

78 100

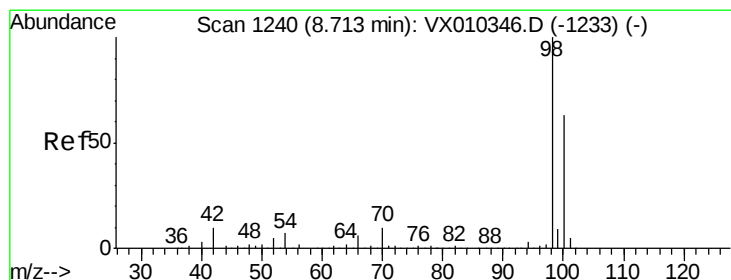
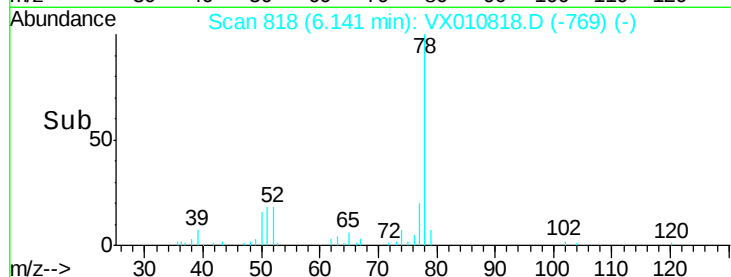
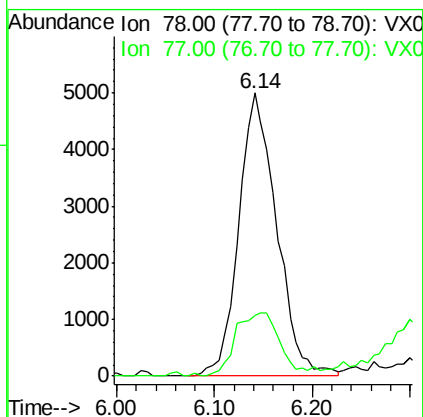
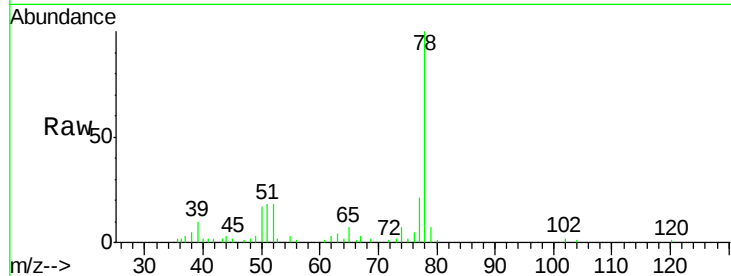
77 21.5 18.6 28.0

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#50

Toluene-d8

Concen: 52.250 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010818.D

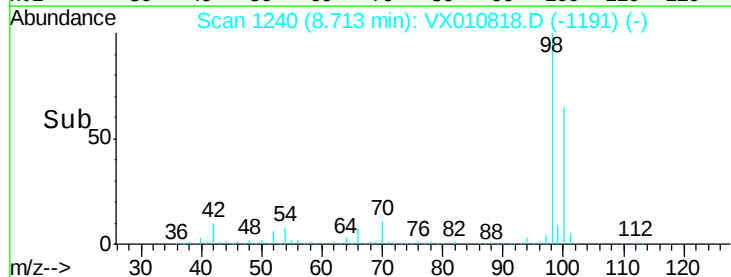
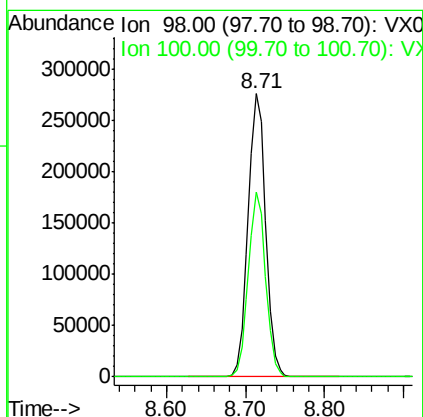
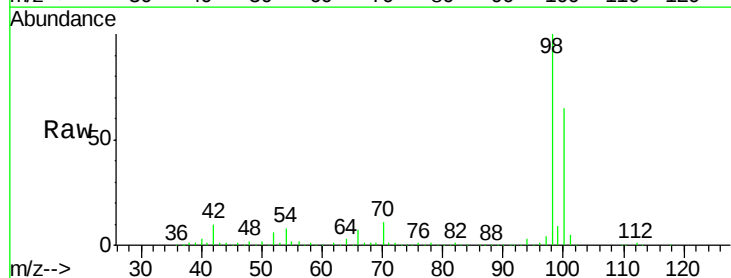
Acq: 11 Jul 2019 19:30

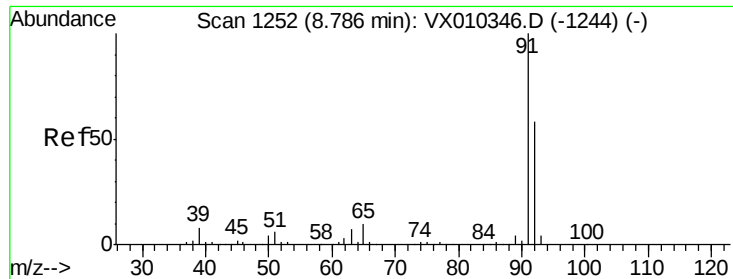
Tgt Ion: 98 Resp: 430617

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4





#52

Toluene

Concen: 1.499 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 92 Resp: 8606

Ion Ratio Lower Upper

92 100

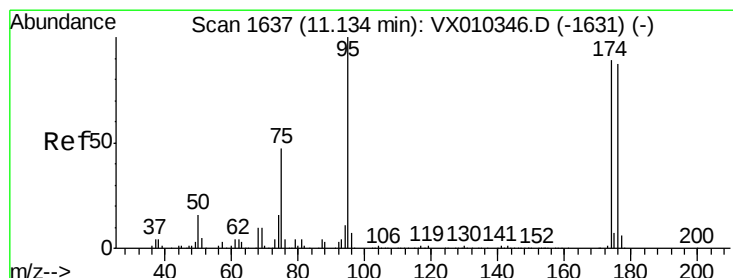
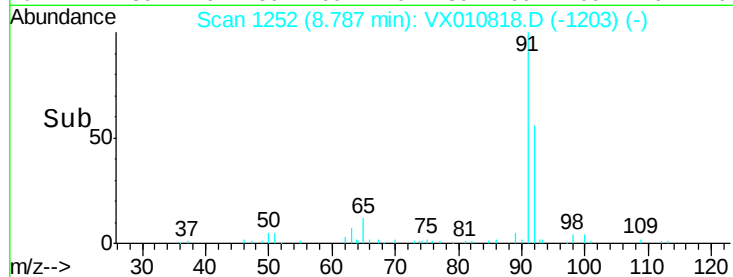
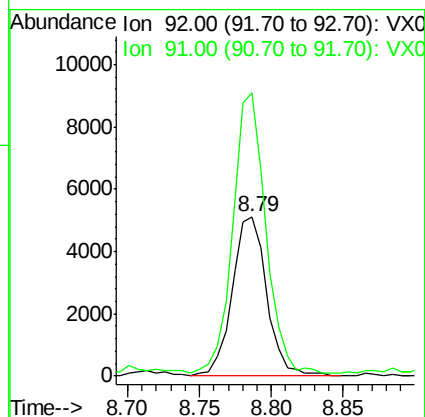
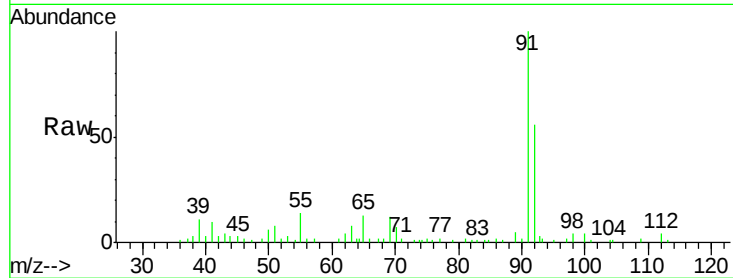
91 165.4 139.8 209.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.517 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

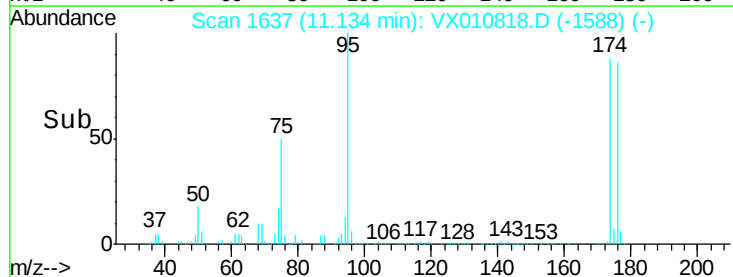
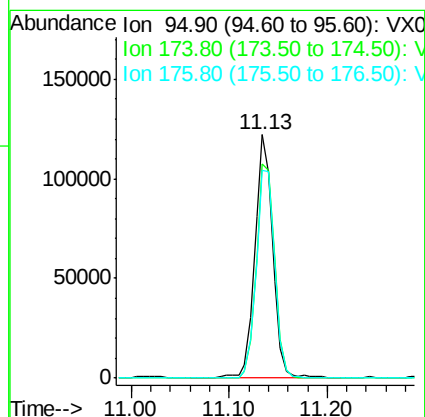
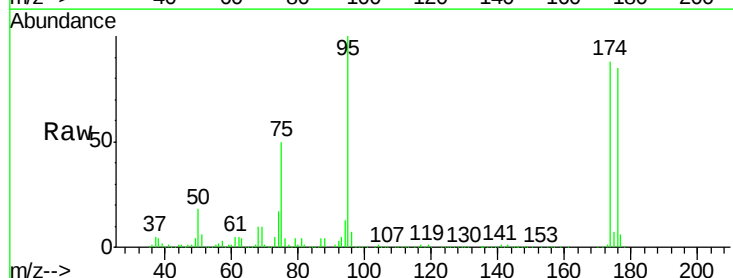
Tgt Ion: 95 Resp: 153282

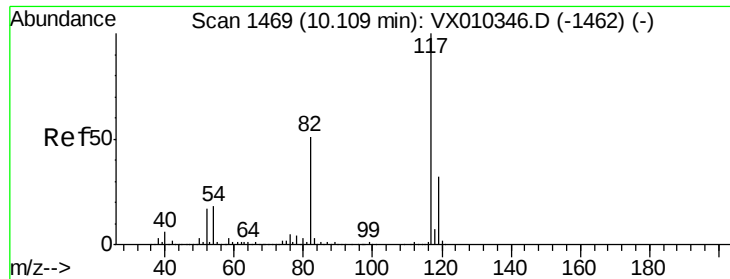
Ion Ratio Lower Upper

95 100

174 90.5 0.0 187.6

176 88.7 0.0 184.0





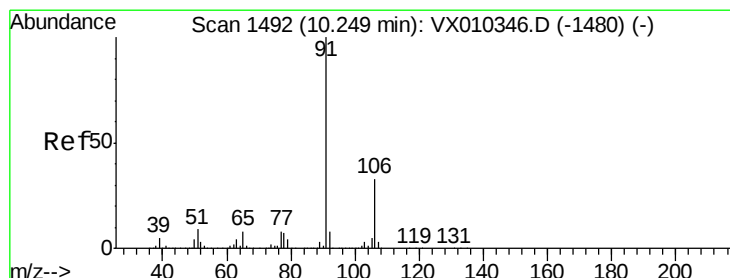
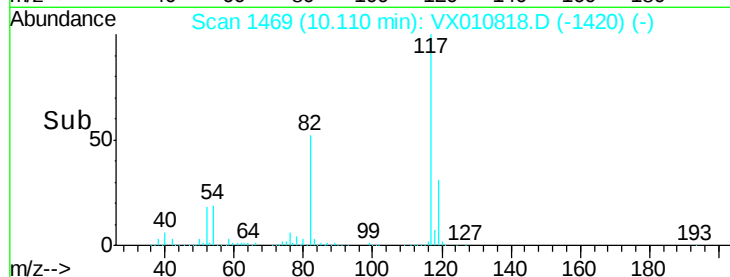
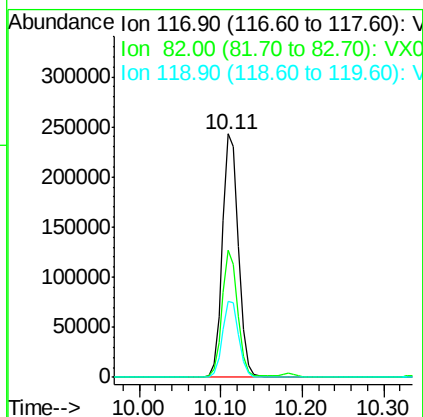
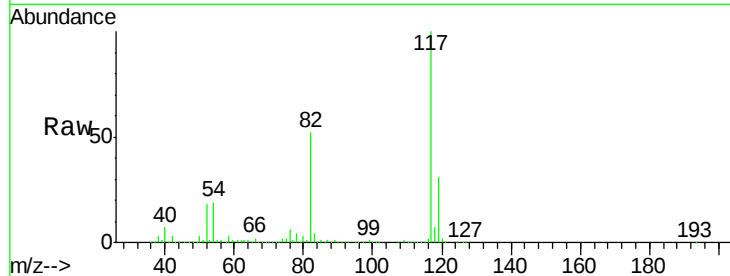
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010818.D
Acq: 11 Jul 2019 19:30

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.2	61.8
119	31.3	25.5	38.3

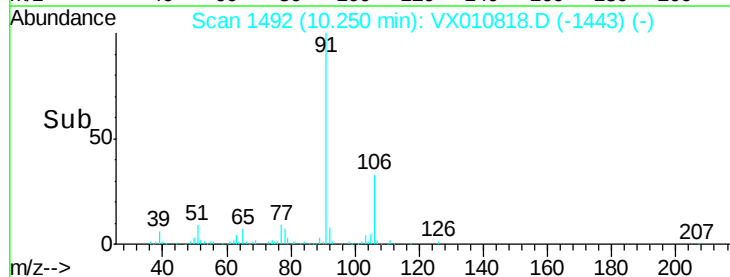
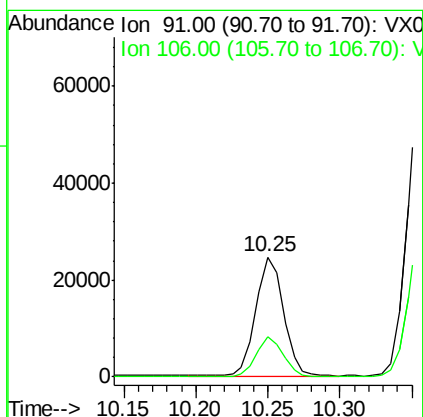
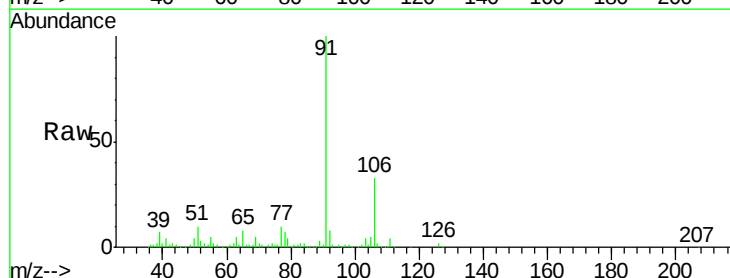
Manual Integrations
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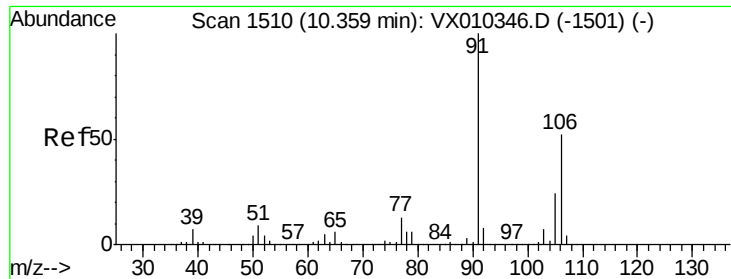
MMDadoda
7/12/2019 12:21:28 PM



#67
Ethyl Benzene
Concen: 2.867 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010818.D
Acq: 11 Jul 2019 19:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.6	26.2	39.2





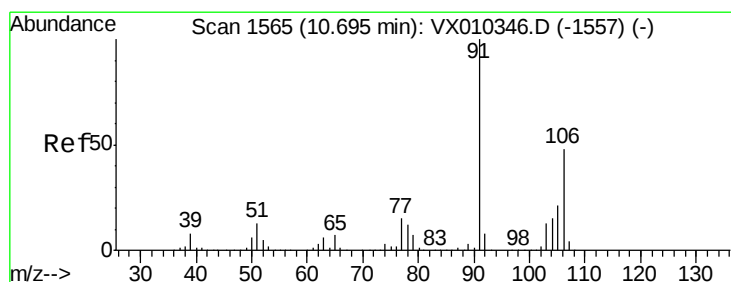
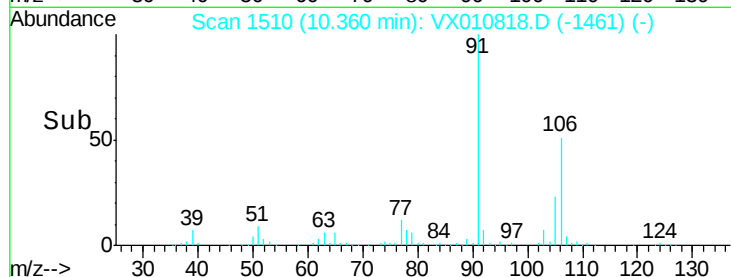
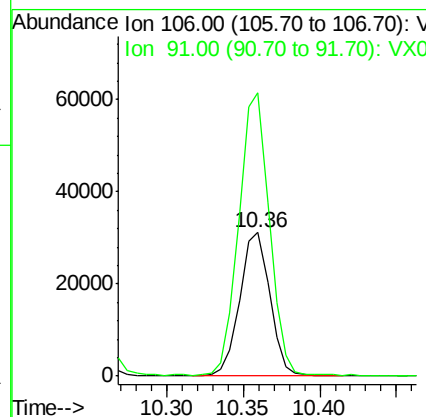
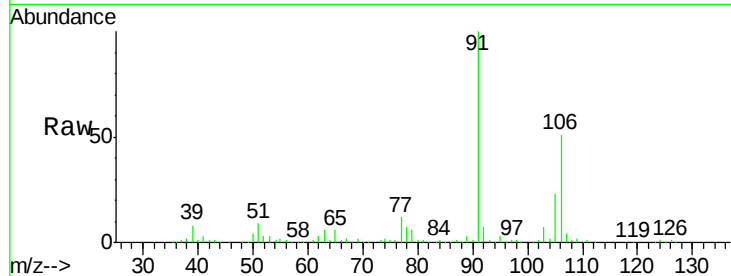
#68
m/p-Xylenes
Concen: 9.753 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010818.D
Acq: 11 Jul 2019 19:30

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:106 Resp: 42889
Ion Ratio Lower Upper
106 100
91 197.8 155.3 232.9

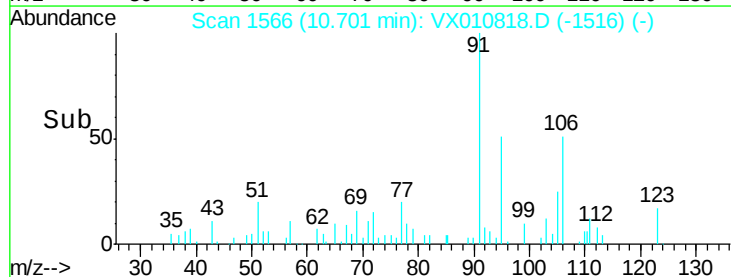
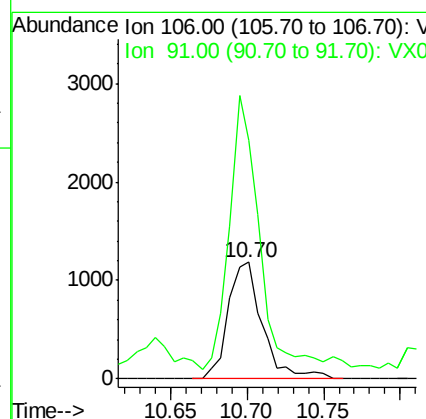
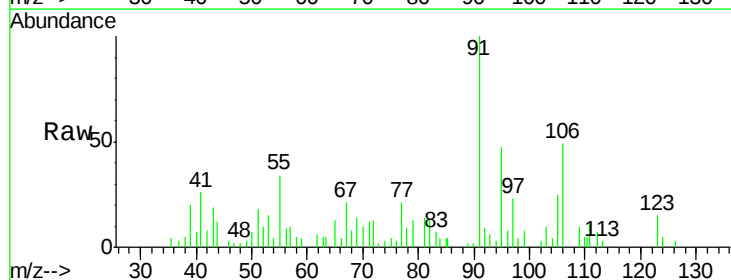
Manual Integrations
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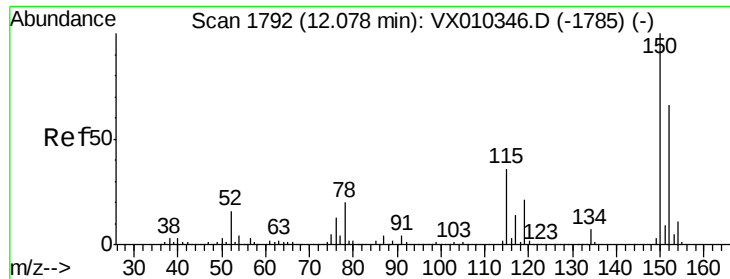
MMDadoda
7/12/2019 12:21:28 PM



#69
o-Xylene
Concen: 0.424 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010818.D
Acq: 11 Jul 2019 19:30

Tgt Ion:106 Resp: 1835
Ion Ratio Lower Upper
106 100
91 203.3 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion:152 Resp: 157905

Ion Ratio Lower Upper

152 100

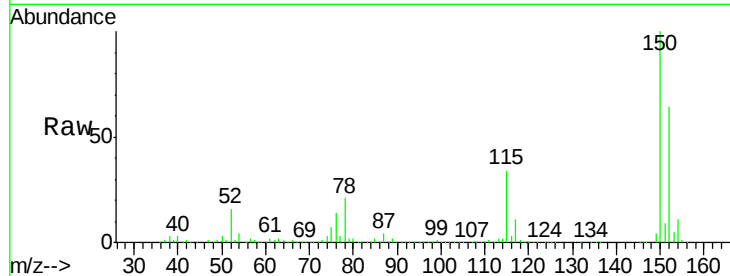
115 55.5 38.6 115.7

150 158.1 0.0 347.4

Manual Integrations
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MMDadoda

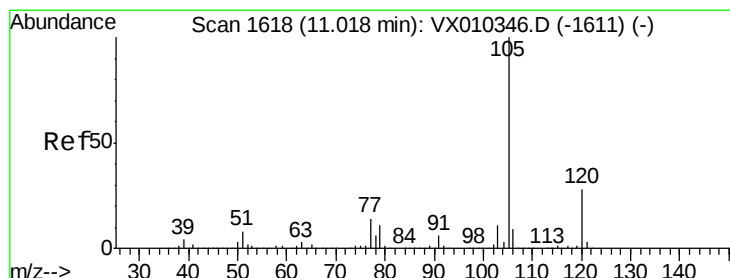
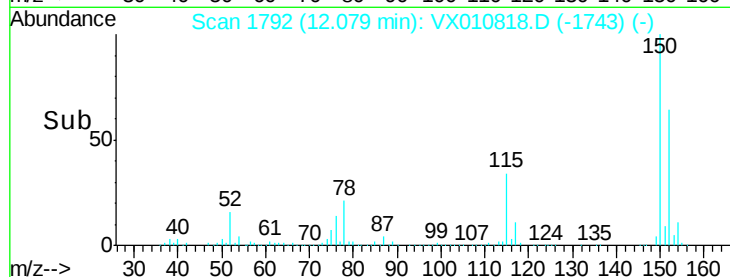
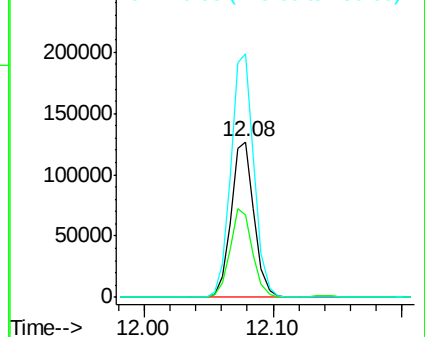
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 33.674 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010818.D

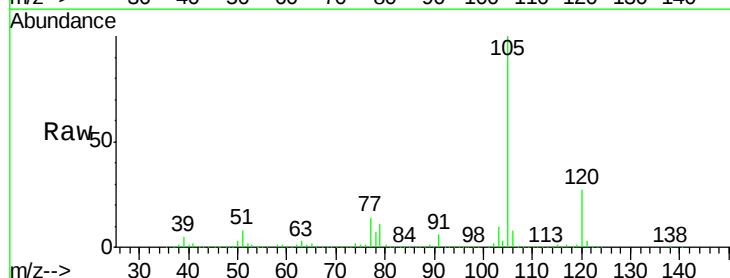
Acq: 11 Jul 2019 19:30

Tgt Ion:105 Resp: 360448

Ion Ratio Lower Upper

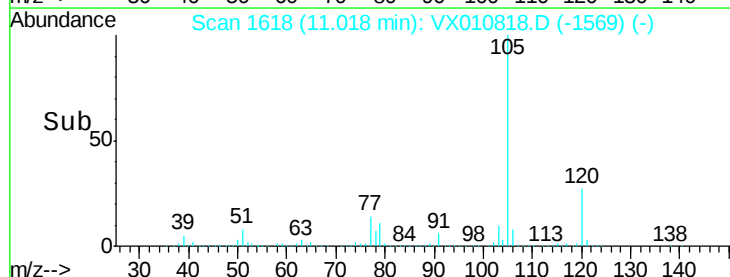
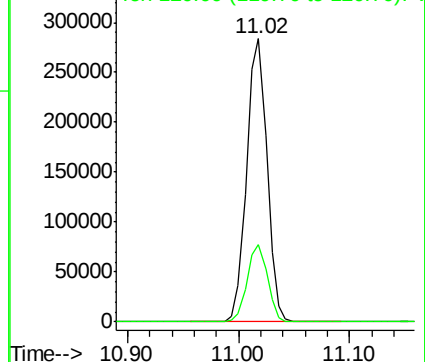
105 100

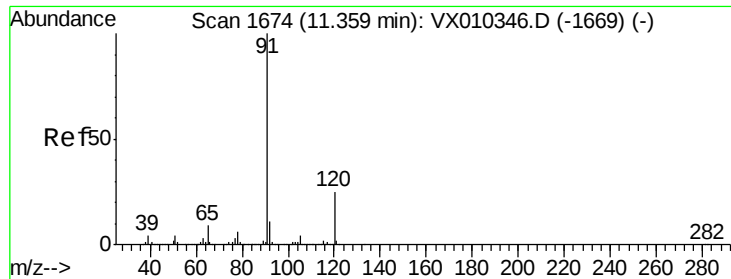
120 27.1 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 23.778 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 91 Resp: 279726

Ion Ratio Lower Upper

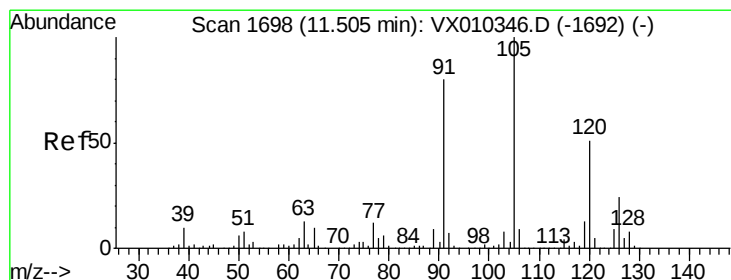
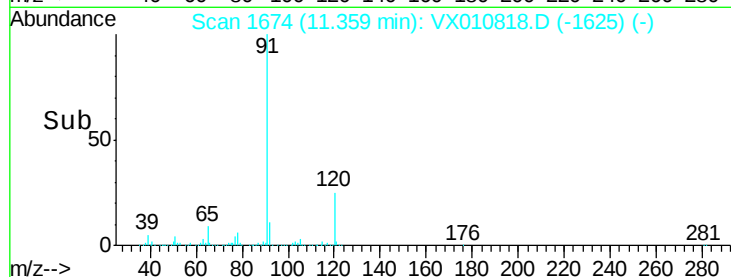
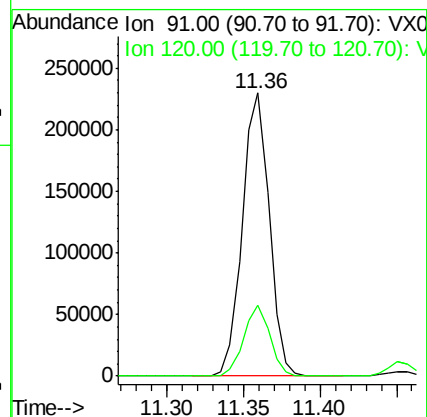
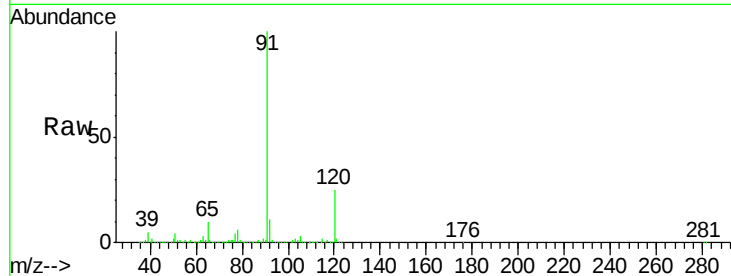
91 100

120 24.1 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 1.177 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010818.D

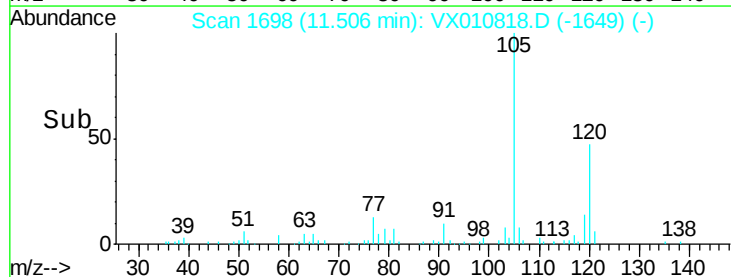
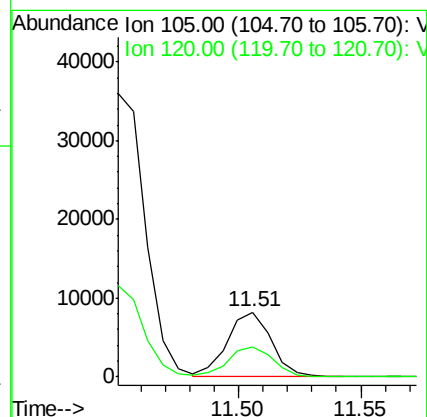
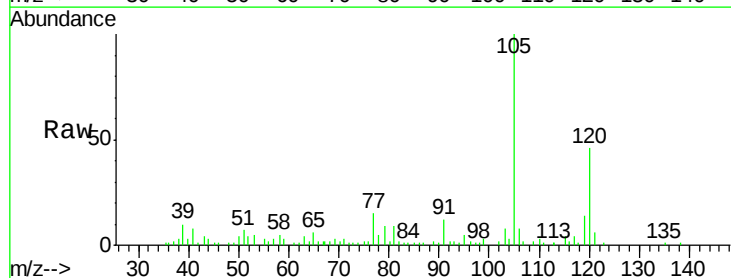
Acq: 11 Jul 2019 19:30

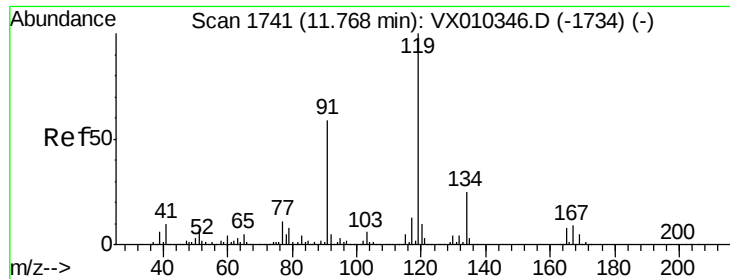
Tgt Ion: 105 Resp: 10384

Ion Ratio Lower Upper

105 100

120 47.7 25.2 75.6





#83

tert-Butylbenzene

Concen: 0.774 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

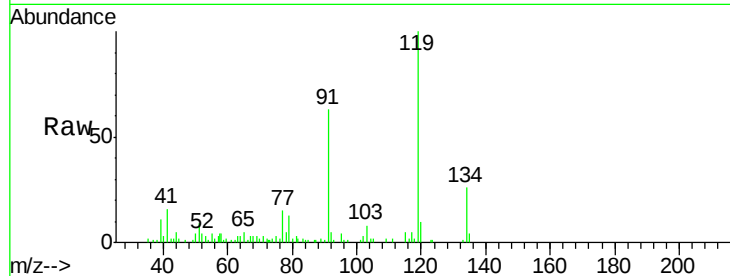
ClientSampled :

MW-2

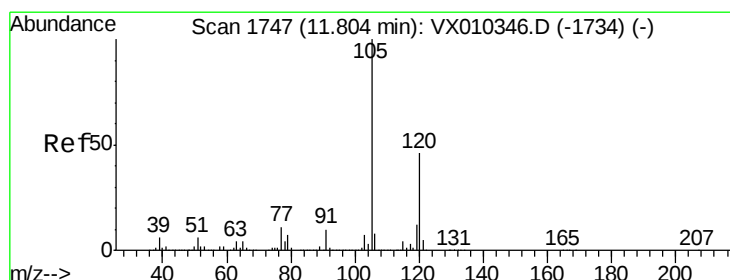
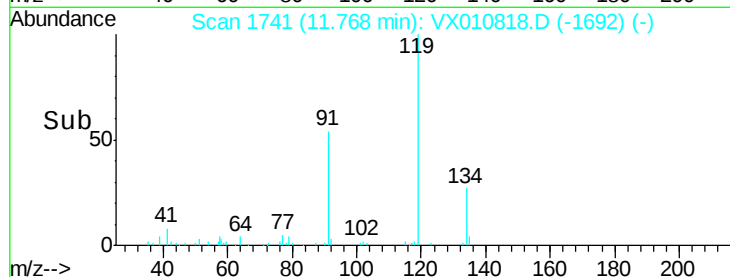
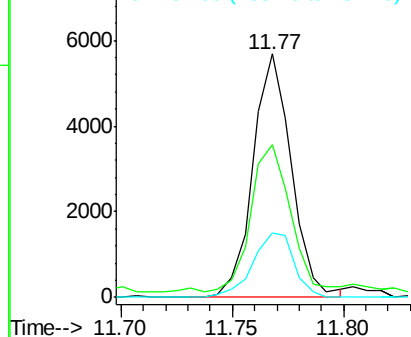
Tot Ion:	119	Resp:	6855
Ion	Ratio	Lower	Upper
119	100		
91	62.6	27.6	82.7
134	28.4	11.8	35.4

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.292 ug/l m

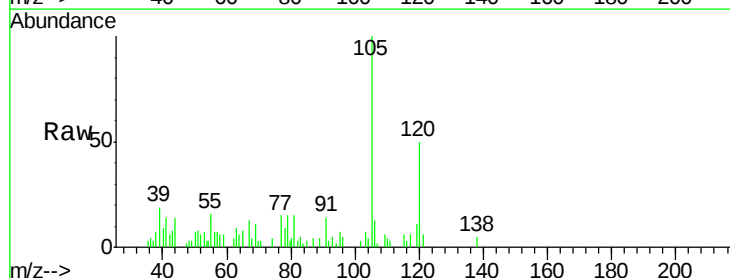
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

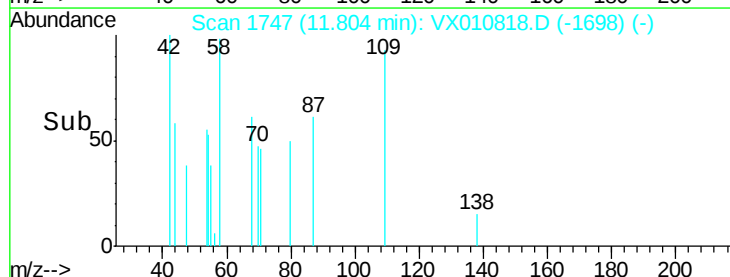
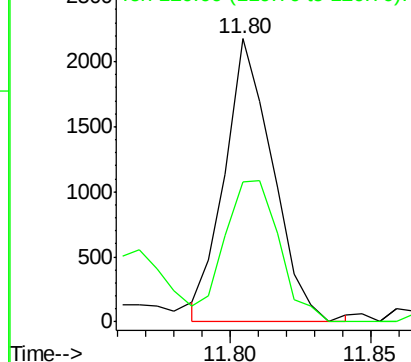
Lab File: VX010818.D

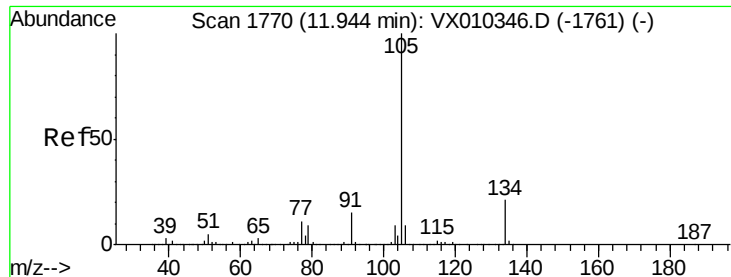
Acq: 11 Jul 2019 19:30

Tgt Ion:	105	Resp:	2588
Ion	Ratio	Lower	Upper
105	100		
120	1534.1	23.1	69.2#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





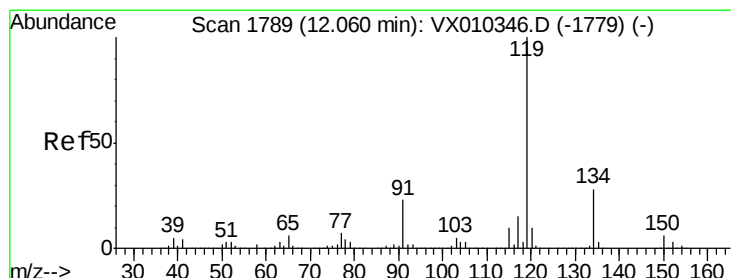
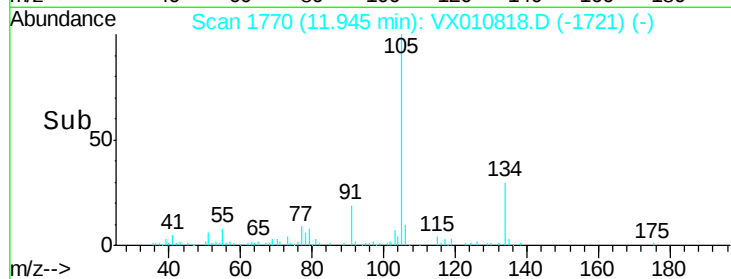
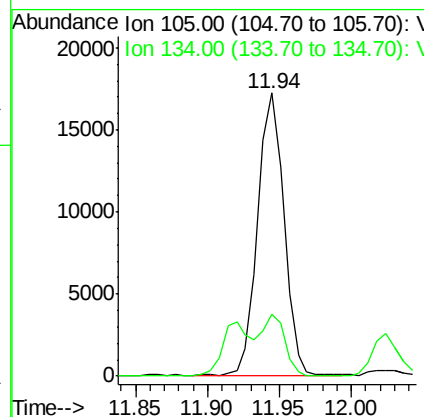
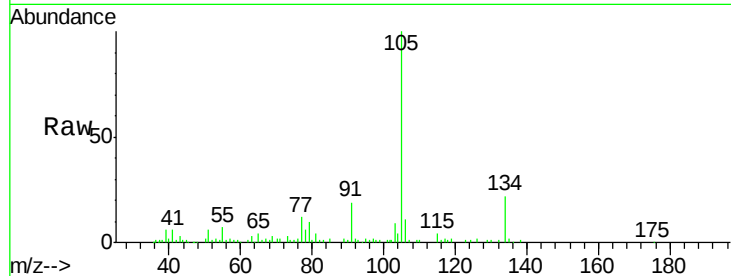
#85
 sec-Butylbenzene
 Concen: 2.105 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010818.D
 Acq: 11 Jul 2019 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	10.7	31.9

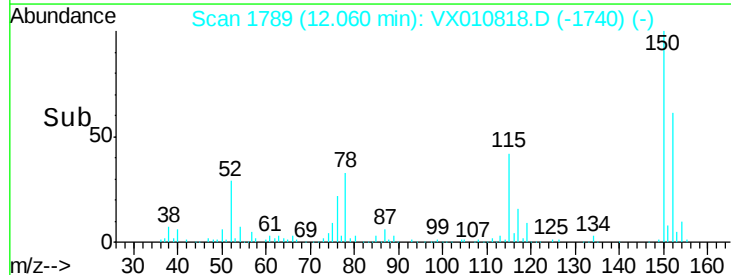
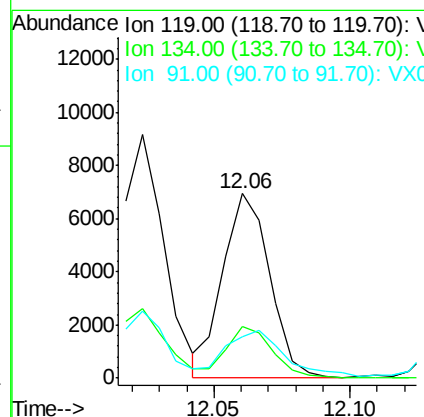
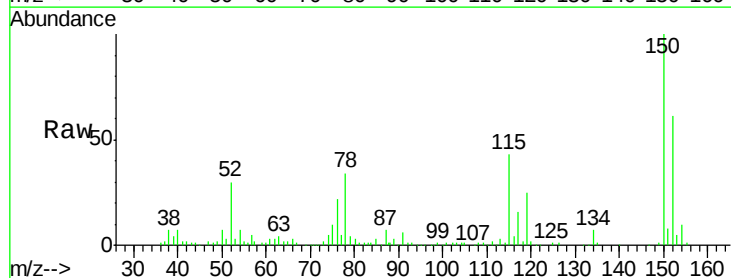
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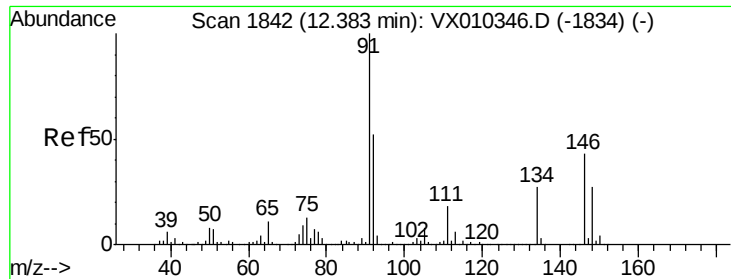
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#86
 p-Isopropyltoluene
 Concen: 0.865 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010818.D
 Acq: 11 Jul 2019 19:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.7	41.1
91	29.9	11.3	33.8





#89

n-Butylbenzene

Concen: 3.688 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Instrument :

MSVOA_X

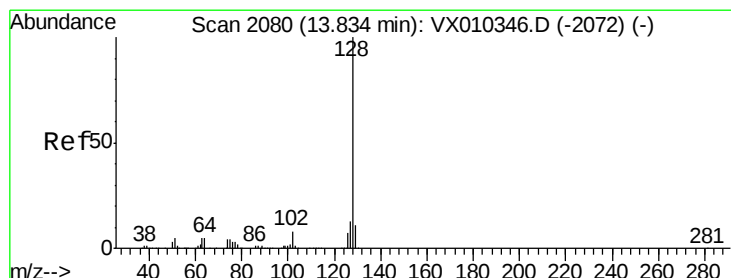
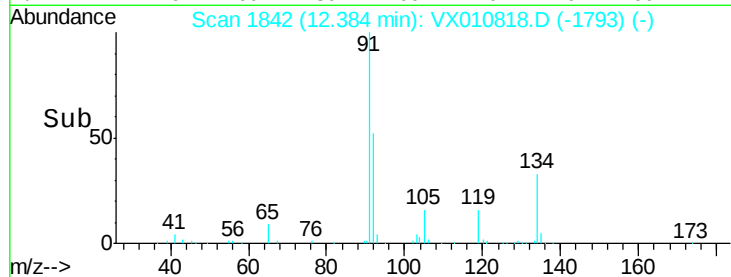
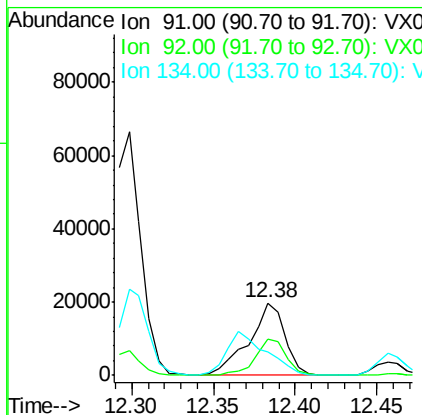
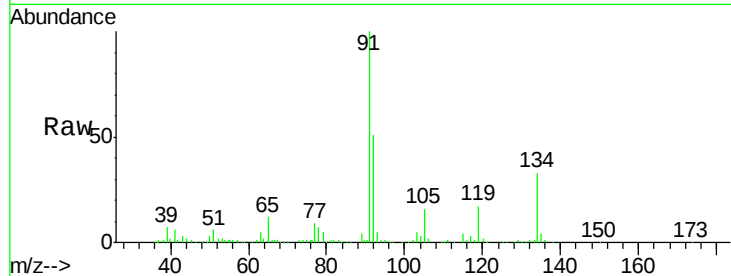
ClientSampled :

MW-2

Tot Ion:	91	Resp:	30143
Ion	Ratio	Lower	Upper
91	100		
92	44.0	26.2	78.5
134	65.8	14.1	42.4#

Manual Integrations
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#95

Naphthalene

Concen: 15.994 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010818.D

Acq: 11 Jul 2019 19:30

Tgt Ion:	128	Resp:	176739
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.3	8.9	13.3

