

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
 Data File : VX007466.D
 Acq On : 11 Feb 2019 14:26
 Operator : JC/SP
 Sample : K1433-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW019-190207

Manual Integrations
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MMDadoda
 2/12/2019 12:15:24 PM

Quant Time: Feb 12 01:11:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	530335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	812614	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	780640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	388191	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	275896	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
35) Dibromofluoromethane	5.51	113	260146	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	983740	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	379542	52.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.98%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.06	59	51993	44.631	ug/l #	73
16) Acetone	2.45	43	7514	2.914	ug/l	89
19) Methyl tert-butyl Ether	3.21	73	385073	23.473	ug/l	97
31) Cyclohexane	5.57	56	75218	9.609	ug/l #	92
39) Methylcyclohexane	7.46	83	183461	20.797	ug/l #	85
40) Benzene	6.15	78	329067	15.322	ug/l	100
52) Toluene	8.79	92	22370	1.614	ug/l	92
67) Ethyl Benzene	10.25	91	96427	3.515	ug/l	97
68) m/p-Xylenes	10.36	106	15230	1.397	ug/l	98
69) o-Xylene	10.70	106	11857	1.130	ug/l	94
73) Isopropylbenzene	11.02	105	6460118	244.890	ug/l	98
78) n-propylbenzene	11.36	91	6959165	240.577	ug/l	100
83) tert-Butylbenzene	11.77	119	66871	3.130	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	34490	1.574	ug/l	98
85) sec-Butylbenzene	11.94	105	523066	20.226	ug/l	97
89) n-Butylbenzene	12.38	91	90485m	4.506	ug/l	
95) Naphthalene	13.83	128	103923	3.970	ug/l #	96

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

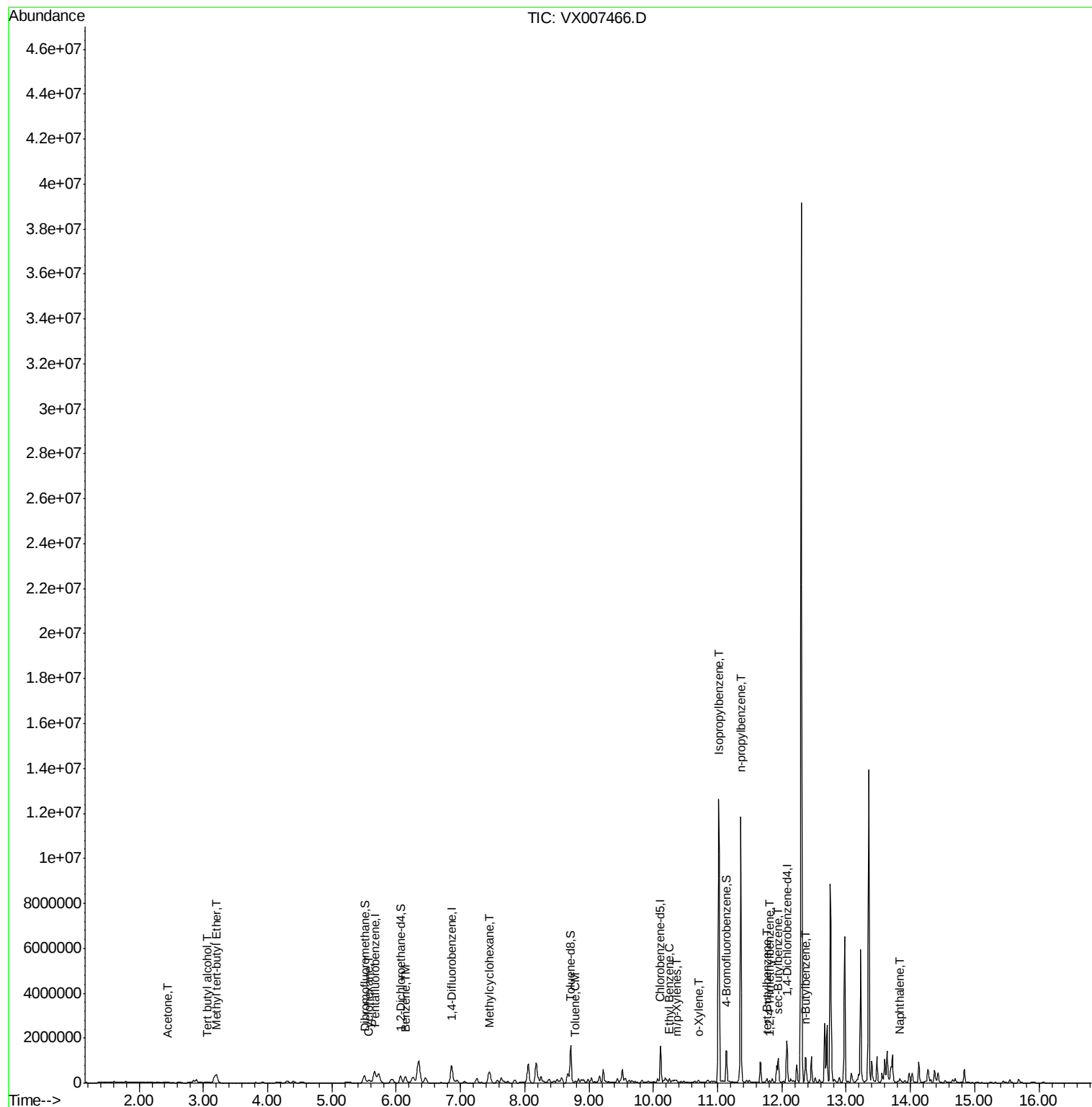
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\
Data File : VX007466.D
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Operator : JC/SP
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ALS Vial : 11 Sample Multiplier: 1

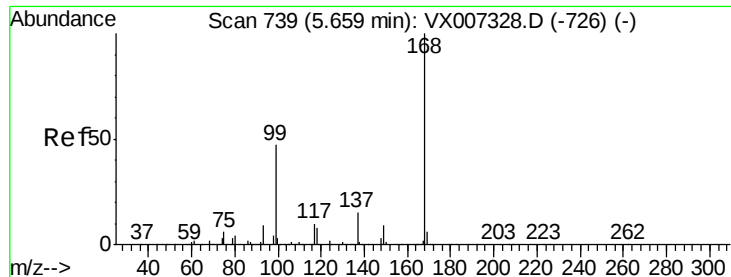
Instrument :
MSVOA_X
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#1

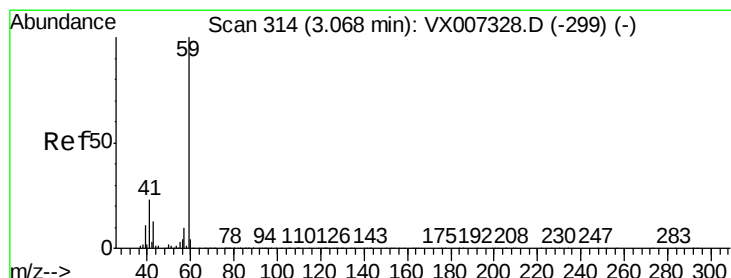
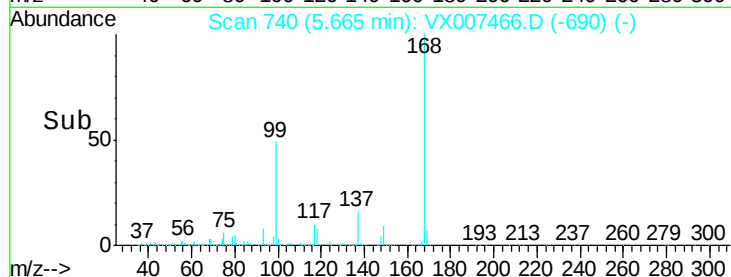
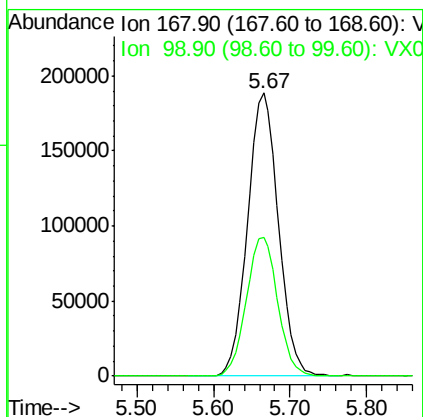
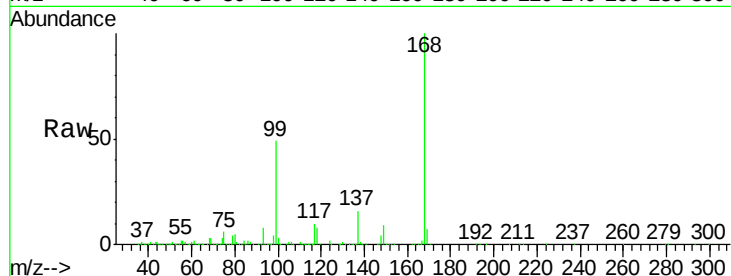
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX007466.D
 Acq: 11 Feb 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW019-190207

Tot Ion	Ratio	Resp	Lower	Upper
168	100	530335		
99	48.9		37.9	56.9

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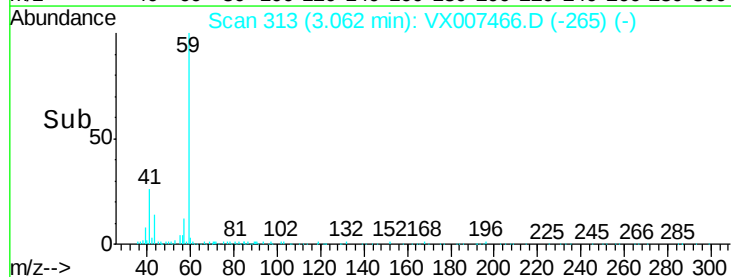
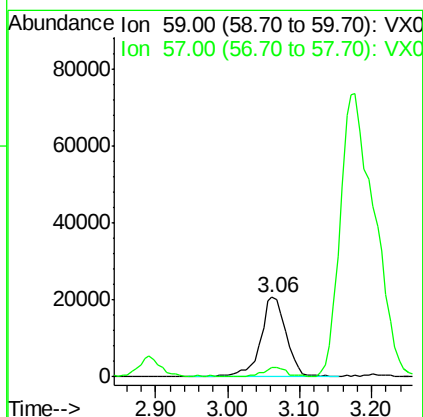
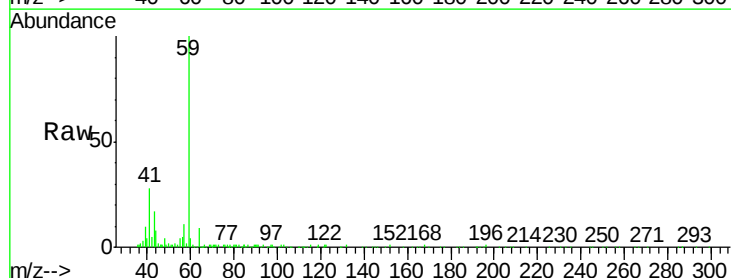
MMDadoda
 2/12/2019 12:15:24 PM

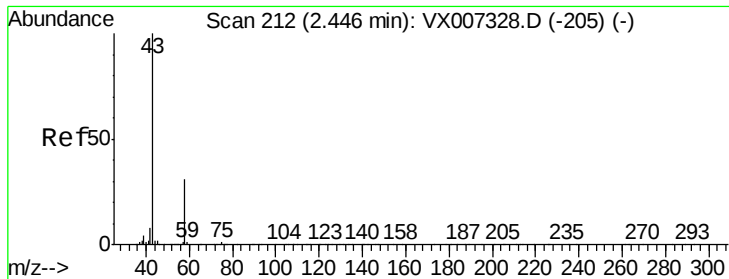


#11

Tert butyl alcohol
 Concen: 44.631 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX007466.D
 Acq: 11 Feb 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	51993		
57	0.0		8.1	12.1#





#16

Acetone

Concen: 2.914 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

Tot Ion: 43 Resp: 7514

Ion Ratio Lower Upper

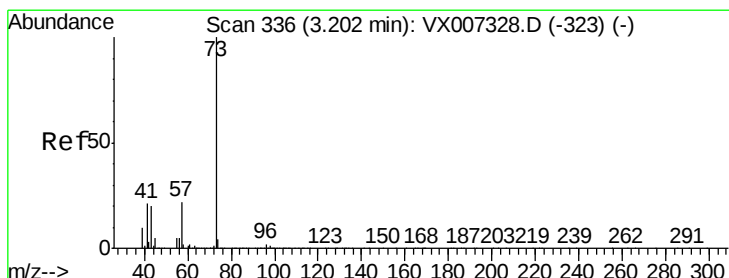
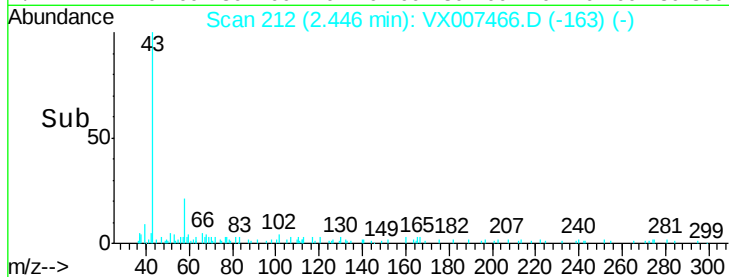
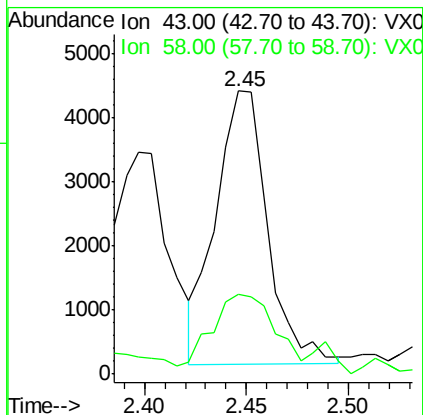
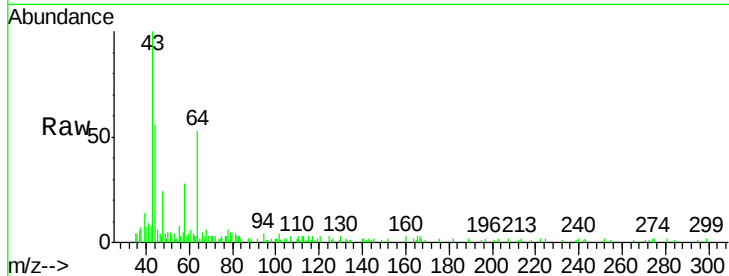
43 100

58 25.3 24.9 37.3

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#19

Methyl tert-butyl Ether

Concen: 23.473 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX007466.D

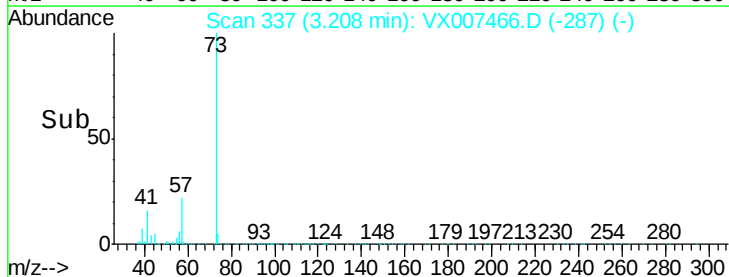
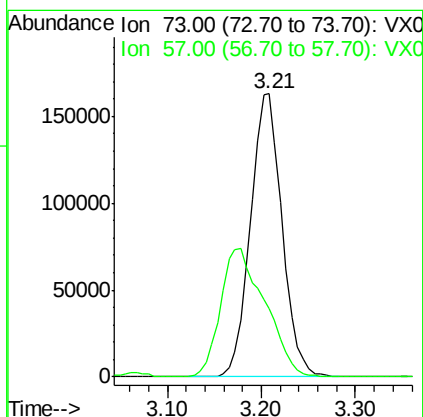
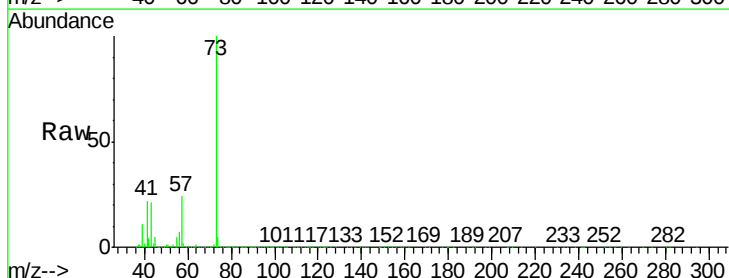
Acq: 11 Feb 2019 14:26

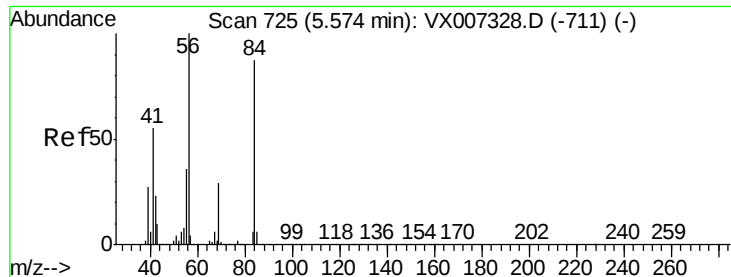
Tgt Ion: 73 Resp: 385073

Ion Ratio Lower Upper

73 100

57 23.8 17.8 26.8





#31

Cyclohexane

Concen: 9.609 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

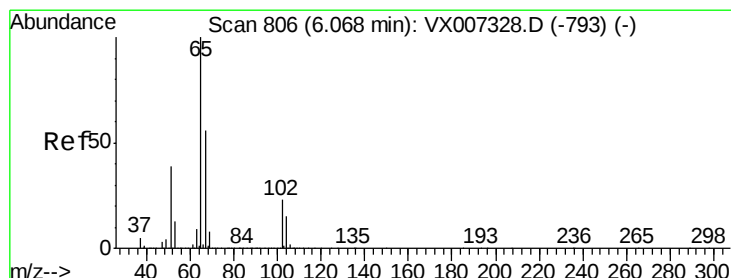
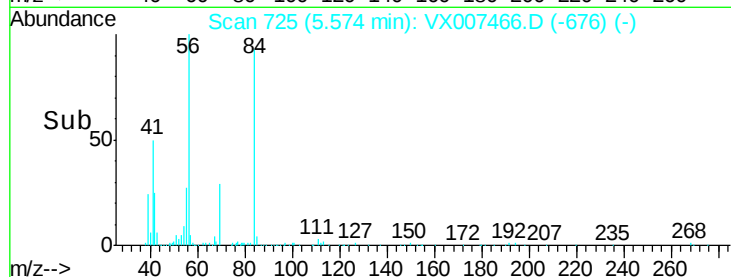
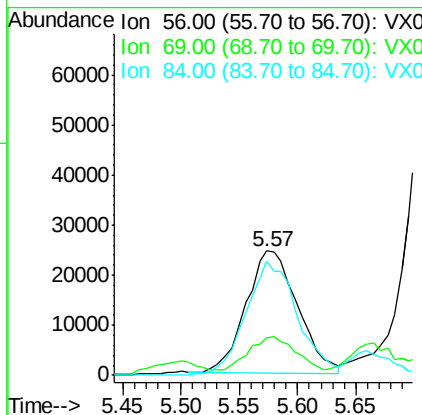
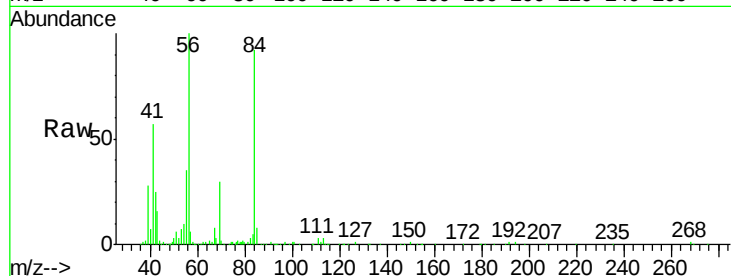
ClientSampleId :

KY001MW019-190207

Tot Ion:	56	Resp:	75218
Ion Ratio	Lower	Upper	
56	100		
69	22.5	23.0	34.6#
84	94.0	69.8	104.6

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#33

1,2-Dichloroethane-d4

Concen: 49.013 ug/l

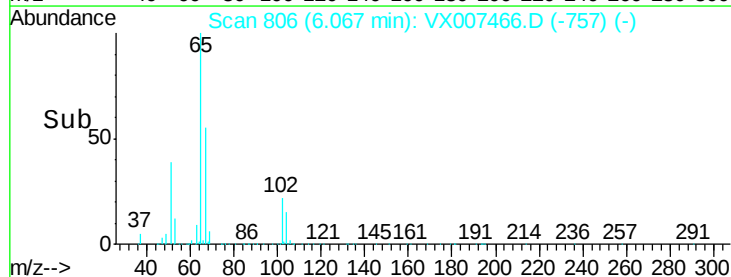
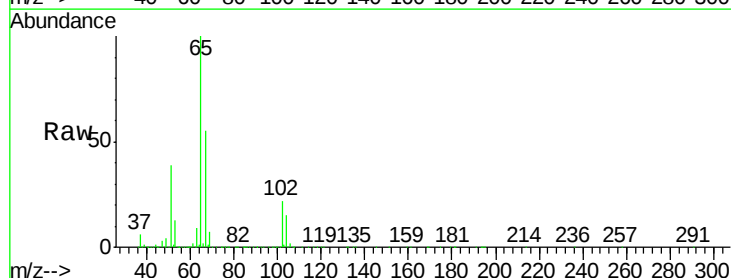
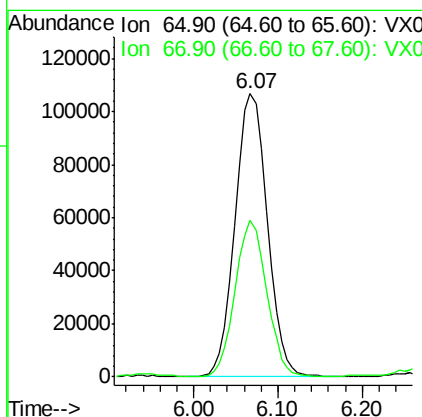
RT: 6.07 min Scan# 806

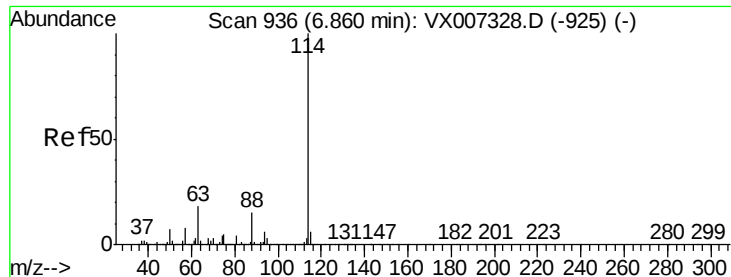
Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Tgt Ion:	65	Resp:	275896
Ion Ratio	Lower	Upper	
65	100		
67	54.0	0.0	108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

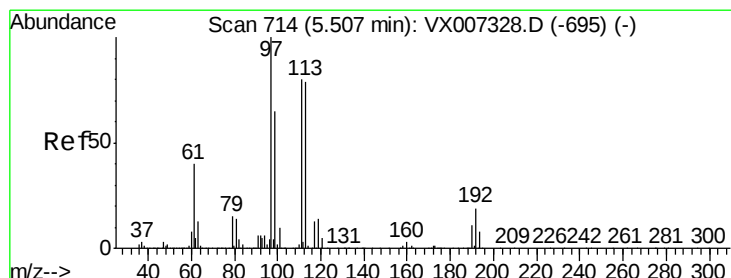
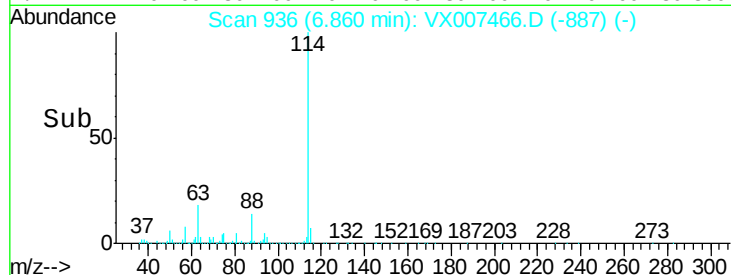
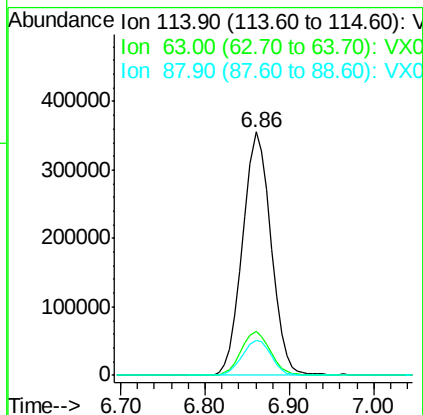
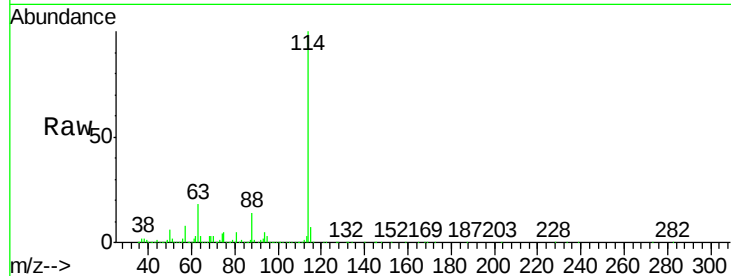
ClientSampleId :

KY001MW019-190207

Tot Ion:	114	Resp:	812614
Ion Ratio		Lower	Upper
114	100		
63	18.0	0.0	35.6
88	14.4	0.0	29.6

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#35

Dibromofluoromethane

Concen: 49.201 ug/l

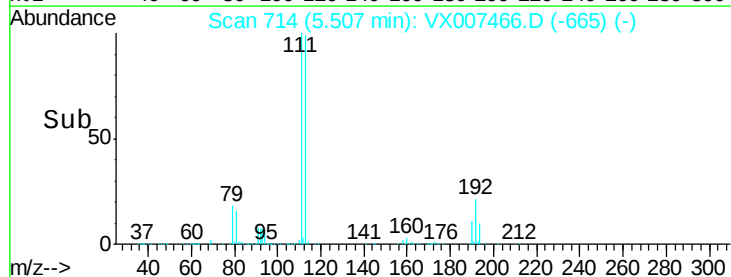
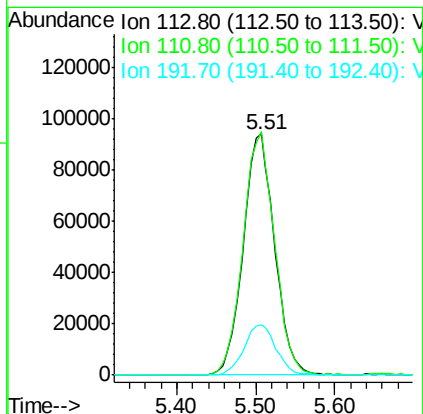
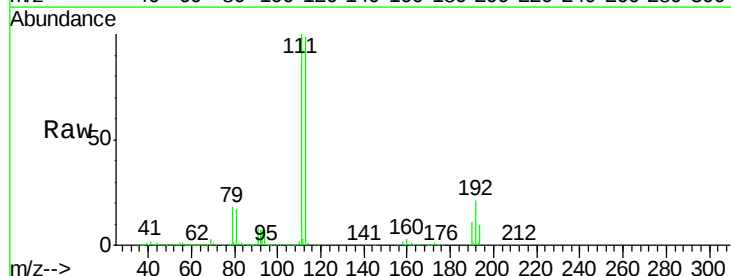
RT: 5.51 min Scan# 714

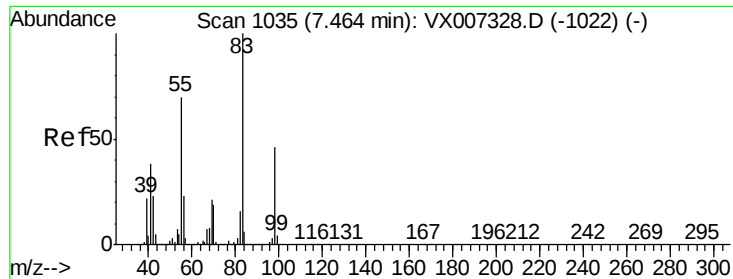
Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Tgt Ion:	113	Resp:	260146
Ion Ratio		Lower	Upper
113	100		
111	101.1	81.8	122.8
192	21.4	18.5	27.7





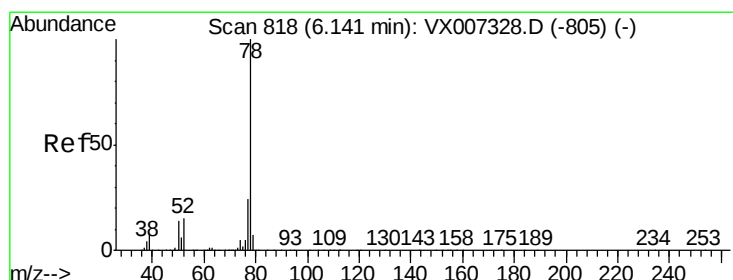
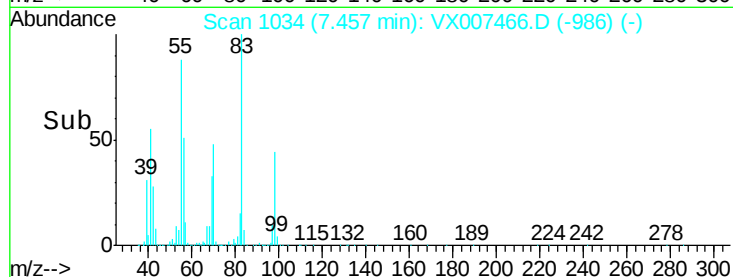
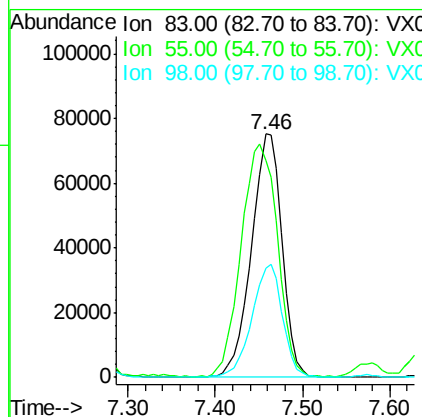
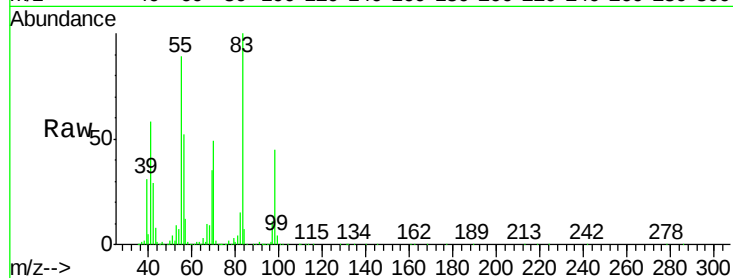
#39
Methvlcvclohexane
Concen: 20.797 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
83	100	183461		
55	88.8	56.2	84.2#	
98	44.6	36.8	55.2	

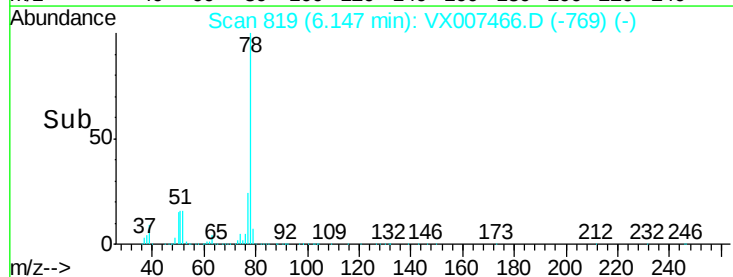
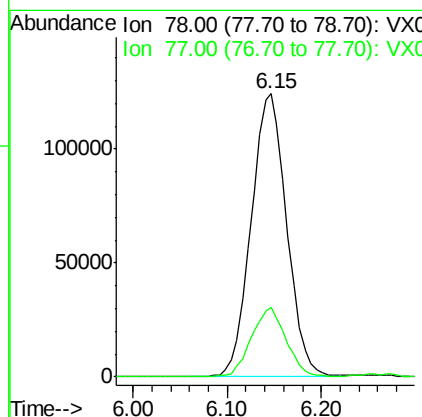
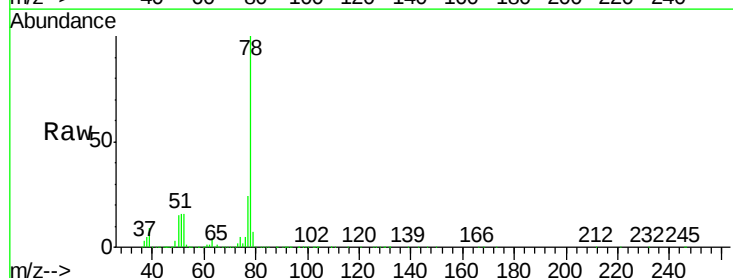
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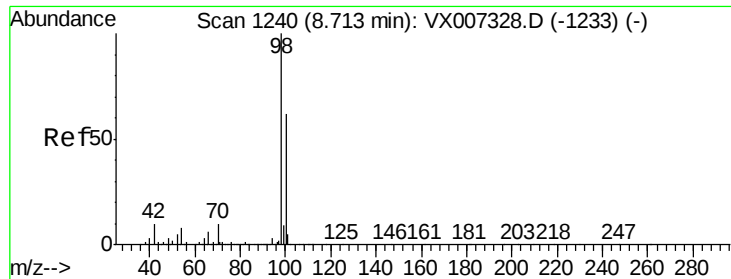
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#40
Benzene
Concen: 15.322 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	329067		
77	24.3	19.3	28.9	





#50

Toluene-d8

Concen: 50.147 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

Tot Ion: 98 Resp: 983740

Ion Ratio Lower Upper

98 100

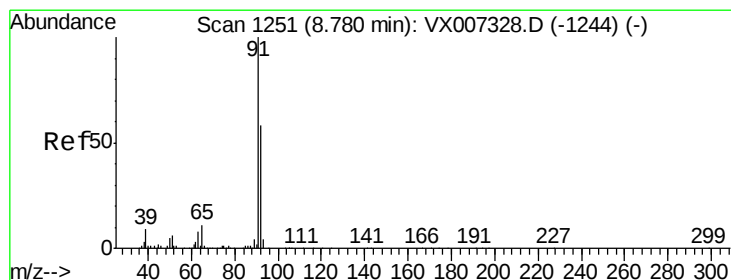
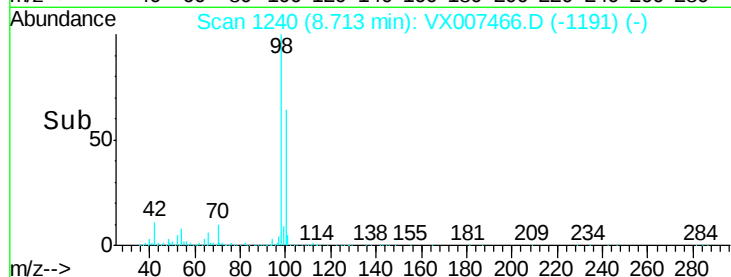
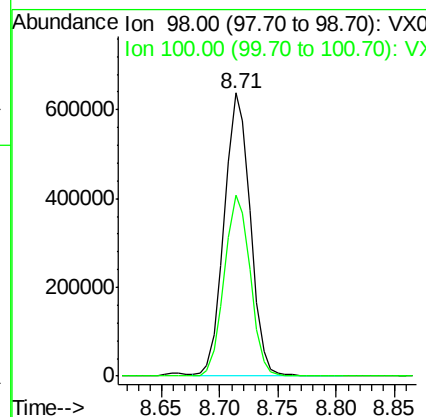
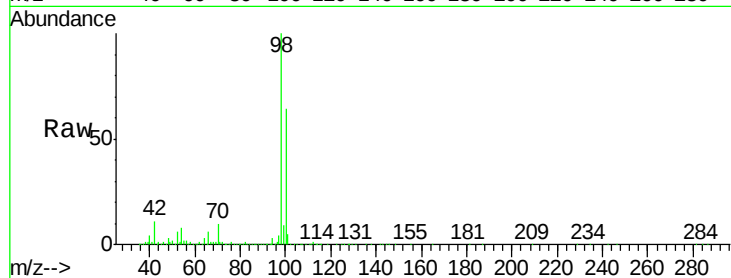
100 64.1 51.6 77.4

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#52

Toluene

Concen: 1.614 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007466.D

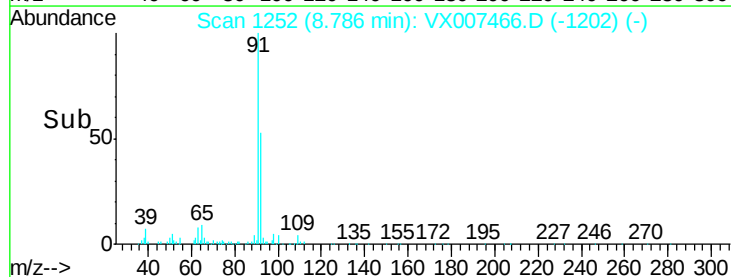
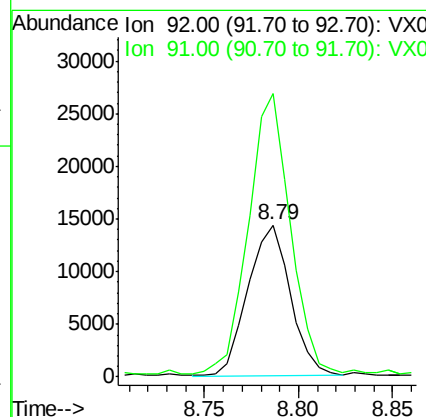
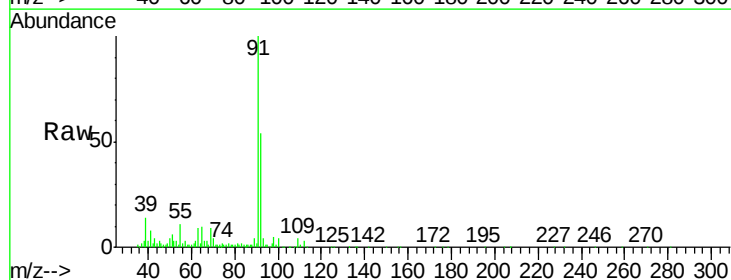
Acq: 11 Feb 2019 14:26

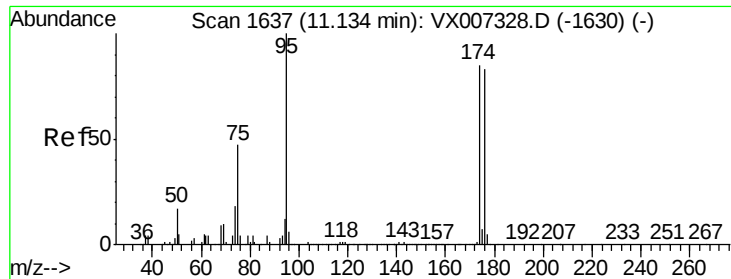
Tgt Ion: 92 Resp: 22370

Ion Ratio Lower Upper

92 100

91 184.4 139.1 208.7





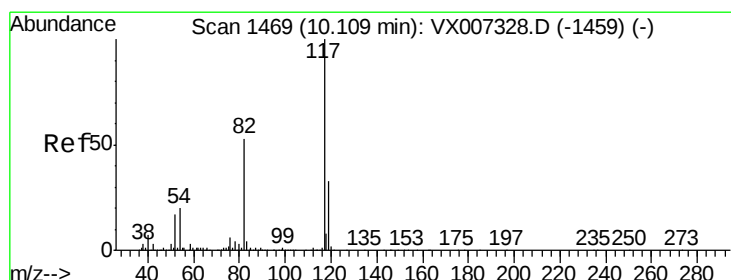
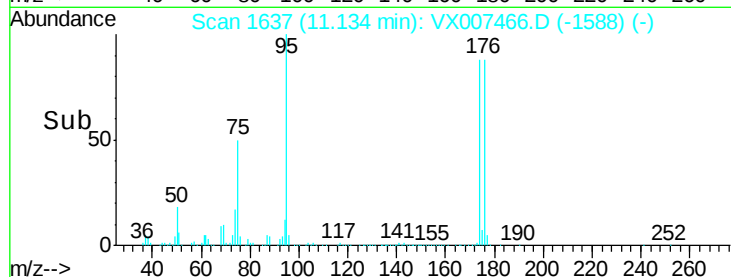
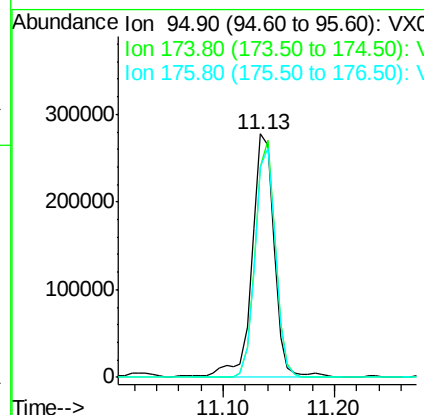
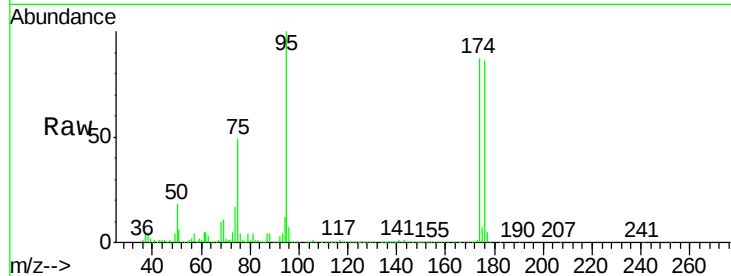
#62
4-Bromofluorobenzene
Concen: 52.992 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
KY001MW019-190207

Tot Ion	Ratio	Resp	Lower	Upper
95	100	379542		
174	89.3	0.0	189.2	
176	87.6	0.0	186.2	

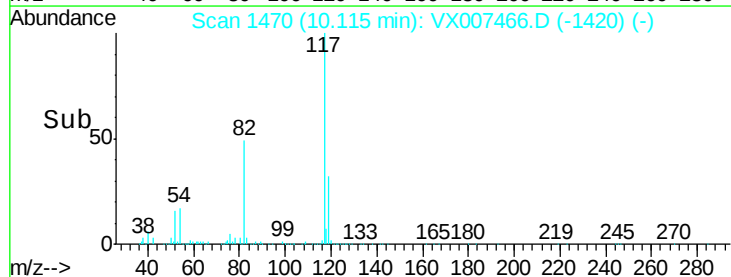
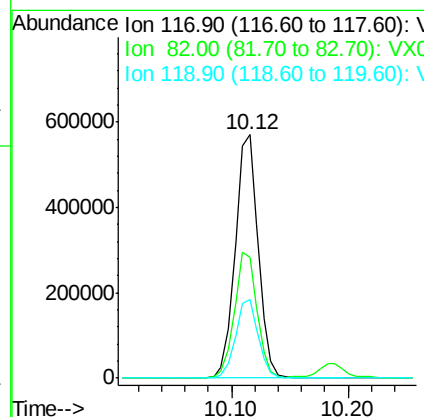
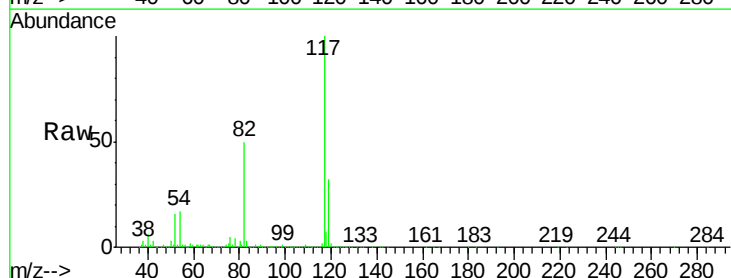
Manual Integrations
APPROVED

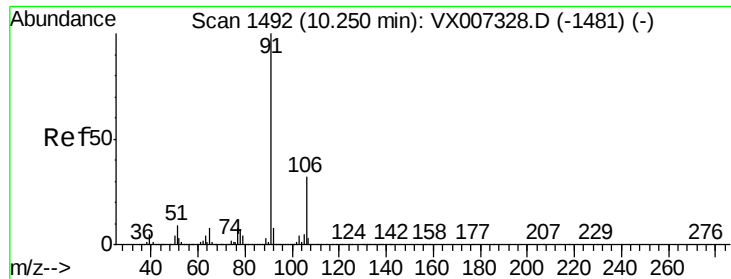
MMDadoda
2/12/2019 12:15:24 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	780640		
82	49.5	42.1	63.1	
119	32.3	26.5	39.7	





#67

Ethyl Benzene

Concen: 3.515 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

Tot Ion: 91 Resp: 96427

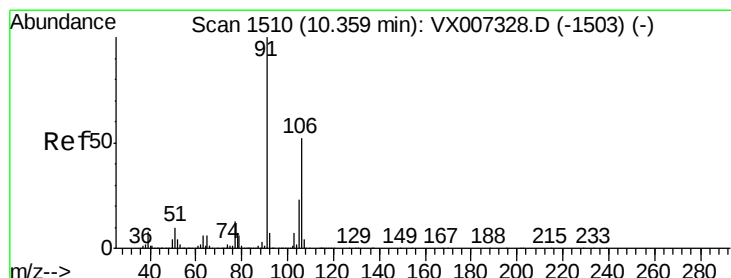
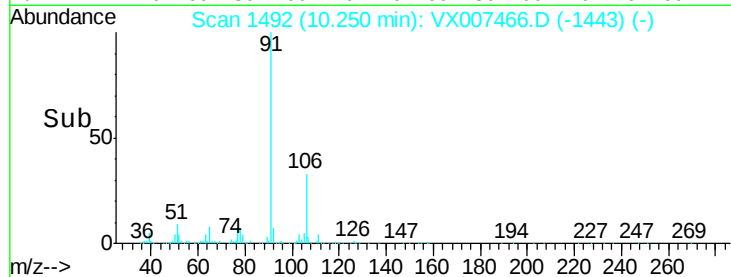
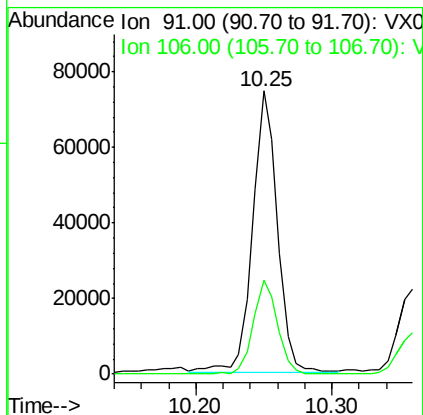
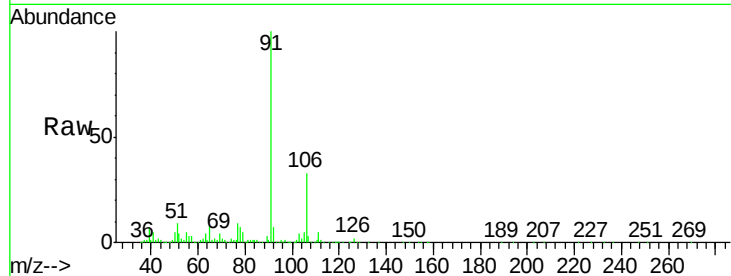
Ion Ratio Lower Upper

91 100

106 33.3 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 1.397 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007466.D

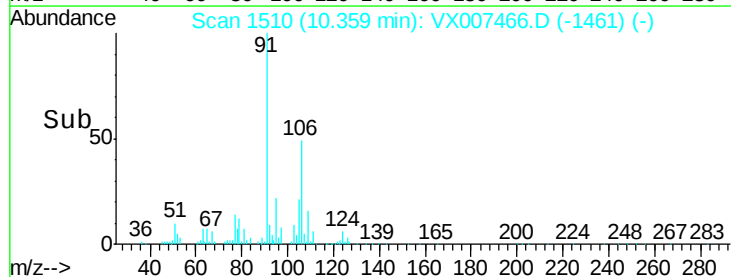
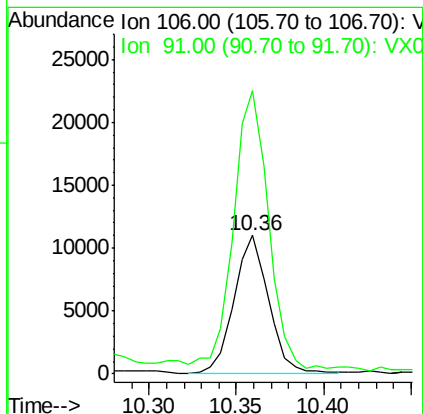
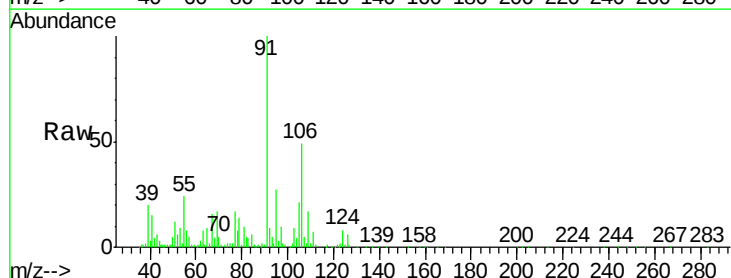
Acq: 11 Feb 2019 14:26

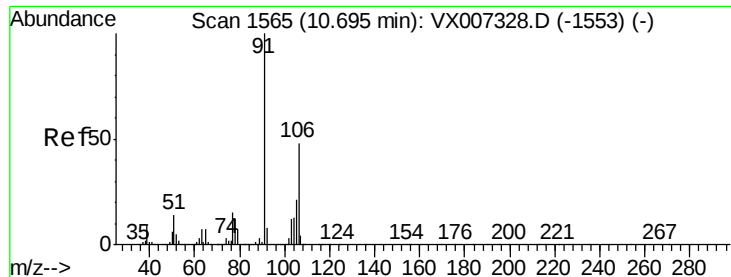
Tgt Ion: 106 Resp: 15230

Ion Ratio Lower Upper

106 100

91 198.8 156.6 234.8





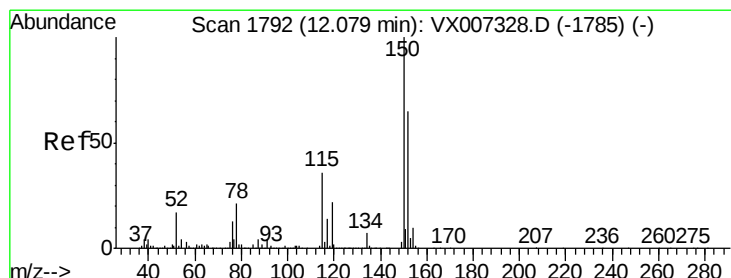
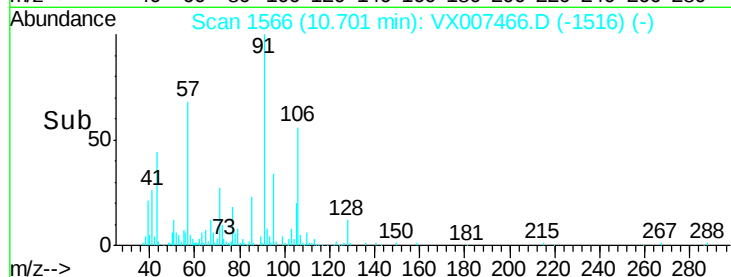
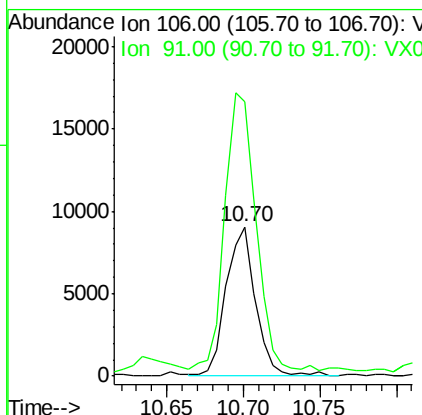
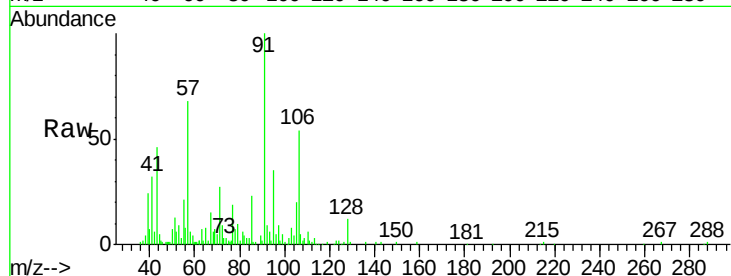
#69
o-Xylene
Concen: 1.130 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
KY001MW019-190207

Tot Ion:106 Resp: 11857
Ion Ratio Lower Upper
106 100
91 195.8 102.9 308.7

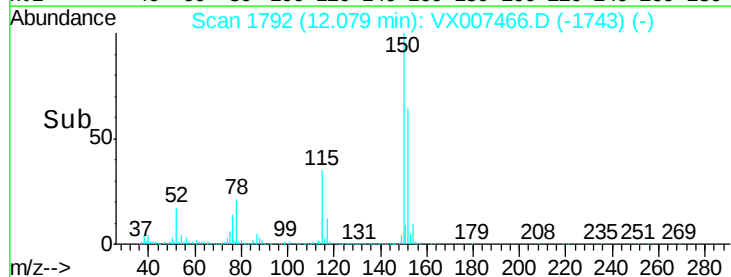
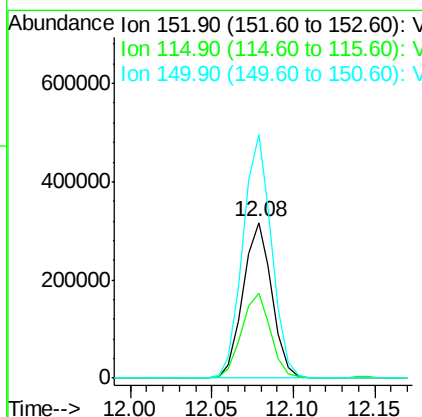
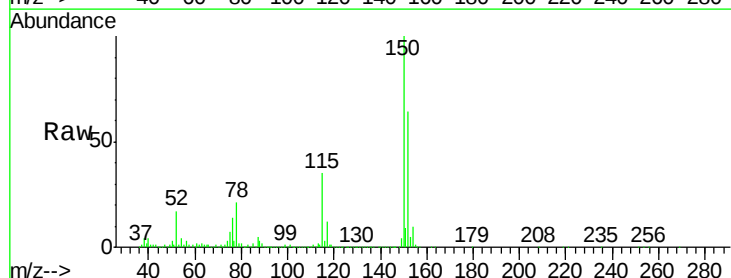
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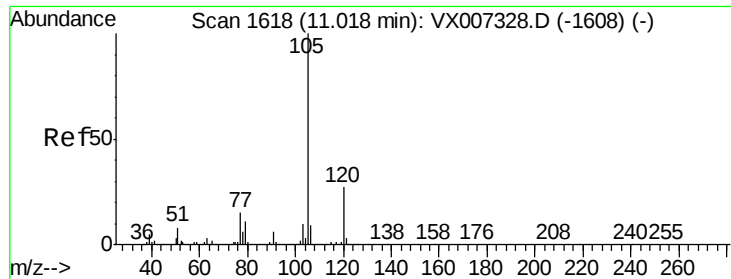
MMDadoda
2/12/2019 12:15:24 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Tgt Ion:152 Resp: 388191
Ion Ratio Lower Upper
152 100
115 56.2 38.0 114.0
150 156.9 0.0 346.4





#73

Isopropylbenzene

Concen: 244.890 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

Tot Ion:105 Resp: 6460118

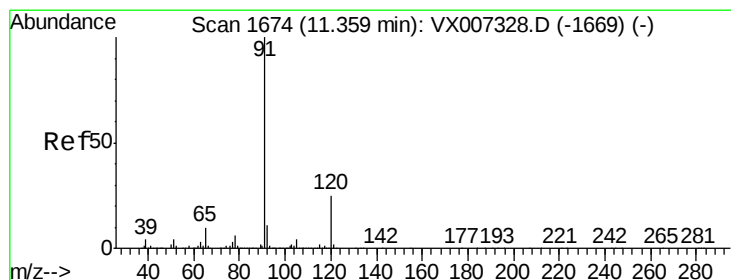
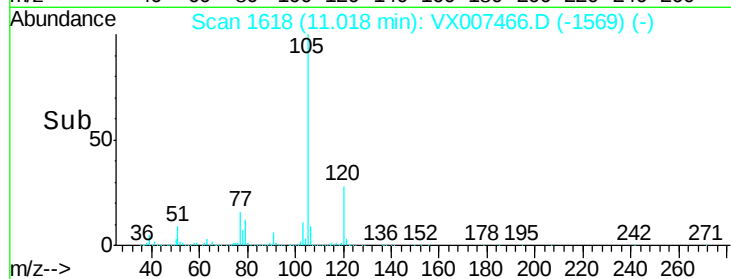
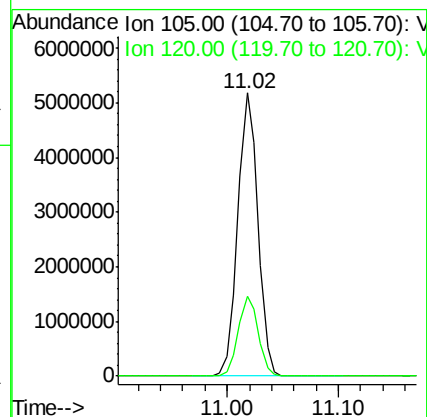
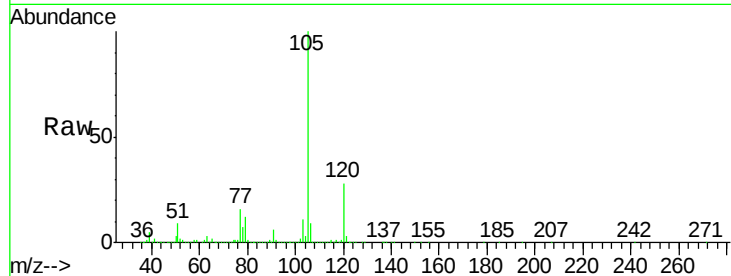
Ion Ratio Lower Upper

105 100

120 28.1 13.6 40.7

Manual Integrations
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#78

n-propylbenzene

Concen: 240.577 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007466.D

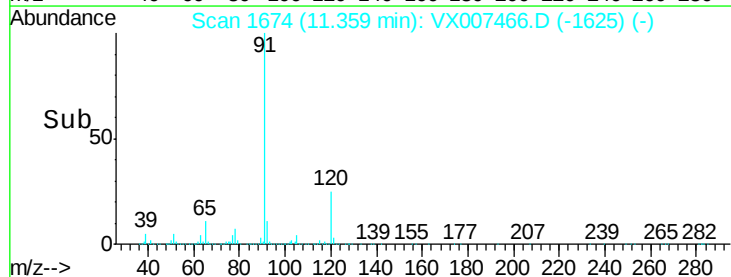
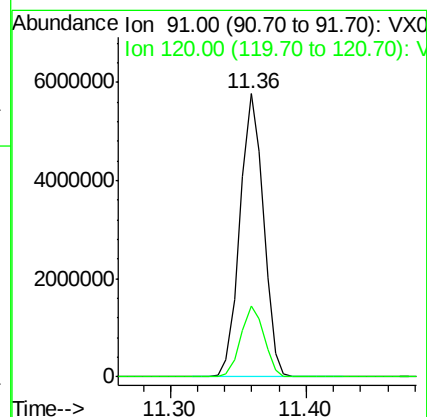
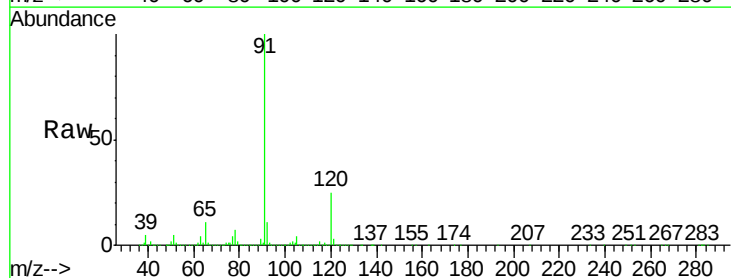
Acq: 11 Feb 2019 14:26

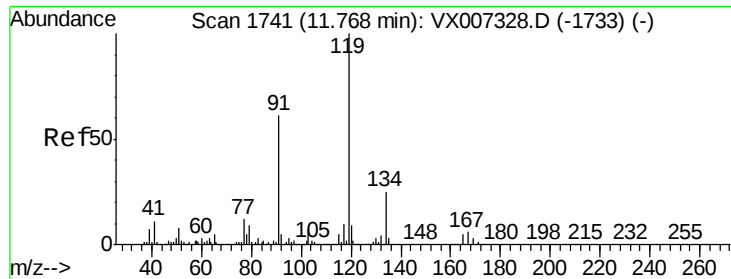
Tgt Ion: 91 Resp: 6959165

Ion Ratio Lower Upper

91 100

120 24.8 12.4 37.2





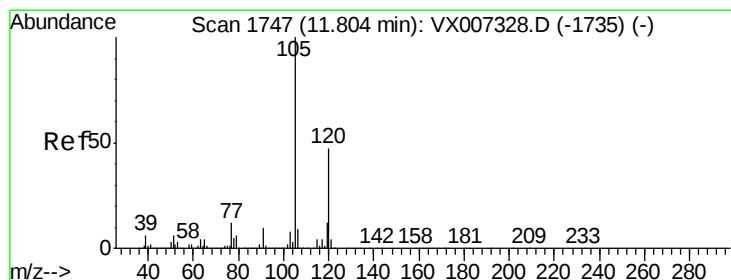
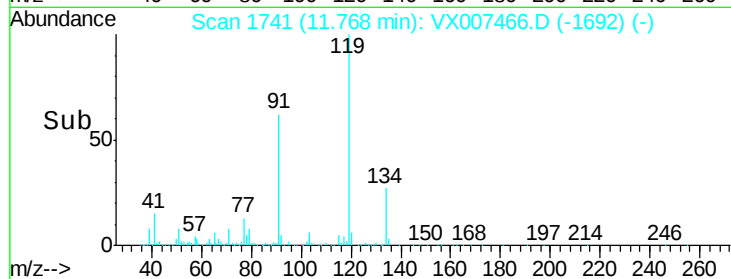
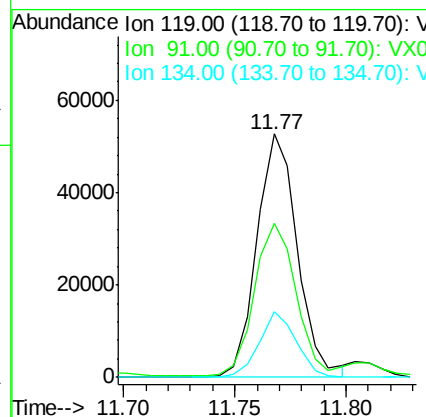
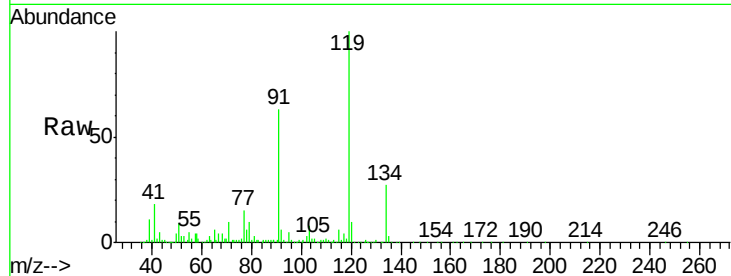
#83
tert-Butylbenzene
Concen: 3.130 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
KY001MW019-190207

Tot Ion	Ratio	Resp	Lower	Upper
119	100	66871		
91	63.6	28.5	85.6	
134	24.6	12.0	36.0	

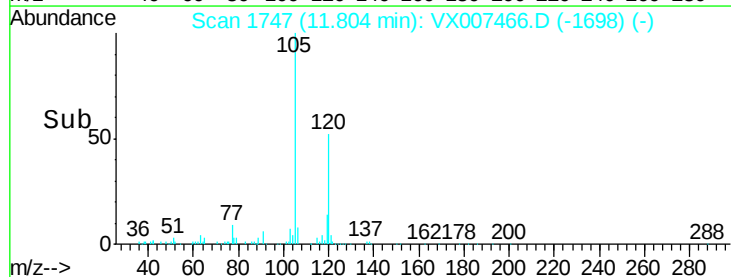
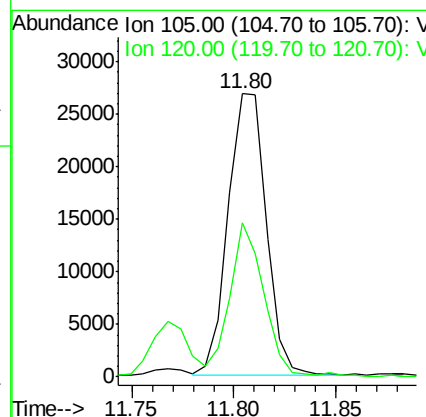
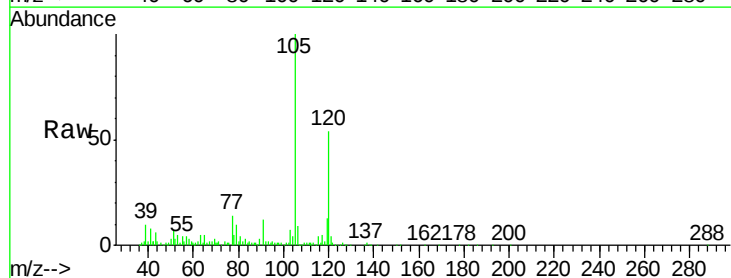
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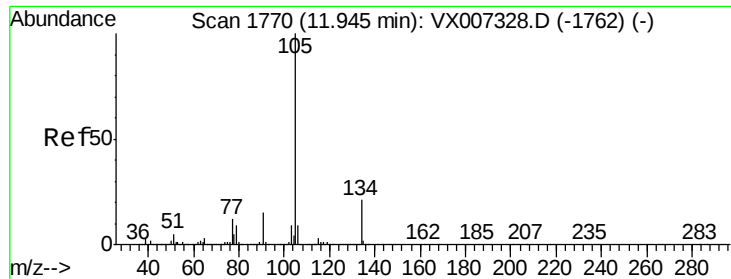
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#84
1,2,4-Trimethylbenzene
Concen: 1.574 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	34490		
120	47.6	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.226 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

Tot Ion: 105 Resp: 523066

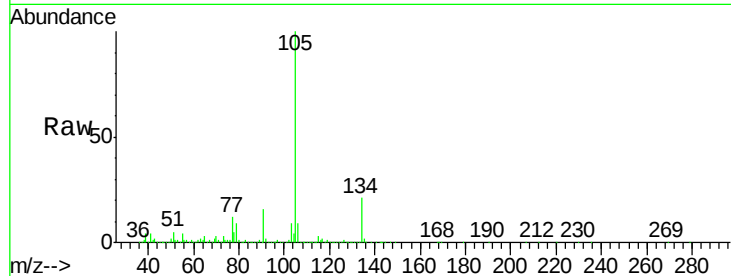
Ion Ratio Lower Upper

105 100

134 19.7 10.6 31.8

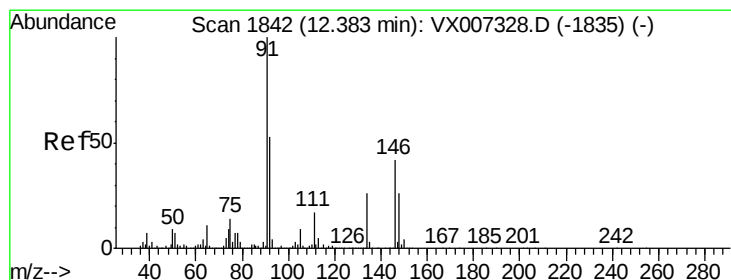
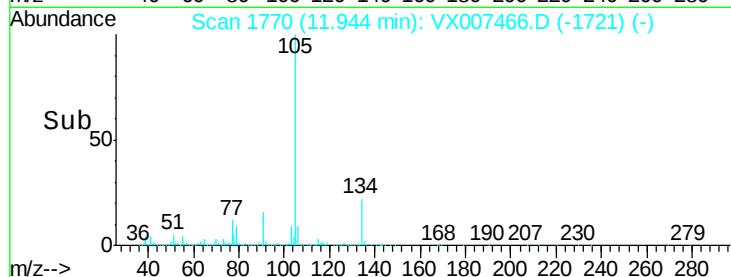
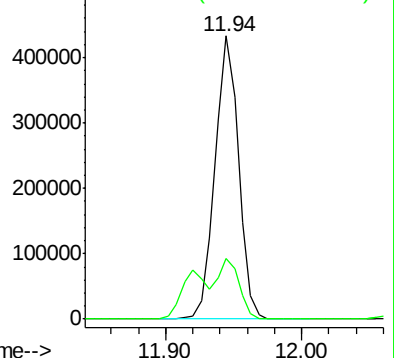
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 4.506 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

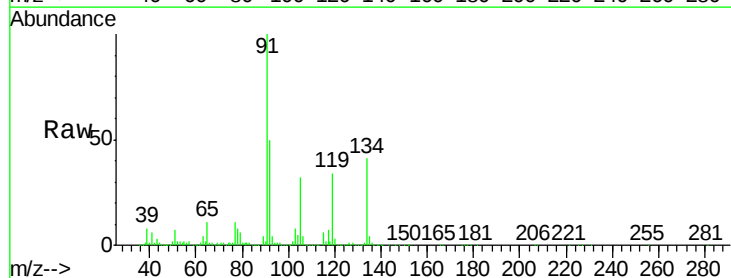
Tgt Ion: 91 Resp: 90485

Ion Ratio Lower Upper

91 100

92 70.4 26.3 78.9

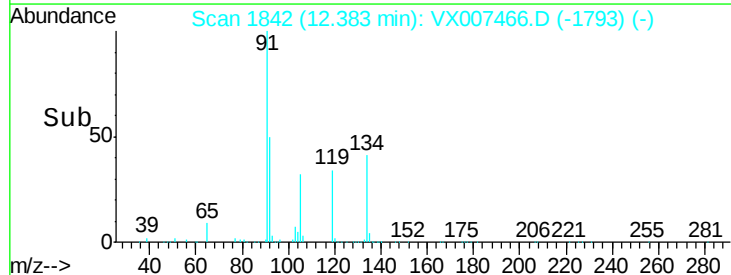
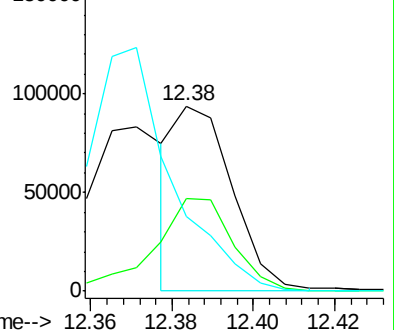
134 193.8 13.9 41.6#

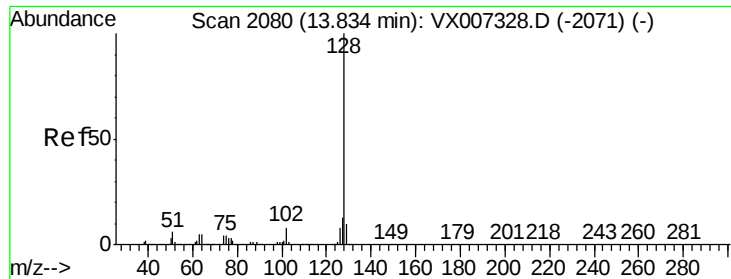


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 3.970 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
KY001MW019-190207

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.5	15.7#
129	11.1	8.7	13.1

Manual Integrations
APPROVED

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2/12/2019 12:15:24 PM

