

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
 Data File : VX007464.D
 Acq On : 11 Feb 2019 13:33
 Operator : JC/SP
 Sample : K1433-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW038-190207

Quant Time: Feb 12 01:01:56 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	544389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	827526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	781940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	397078	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	281688	48.75	ug/l	0.00
Spiked Amount						
			Recovery	=	97.50%	
35) Dibromofluoromethane	5.51	113	261017	48.48	ug/l	0.00
Spiked Amount						
			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	1001654	50.14	ug/l	0.00
Spiked Amount						
			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	371367	50.92	ug/l	0.00
Spiked Amount						
			Recovery	=	101.84%	

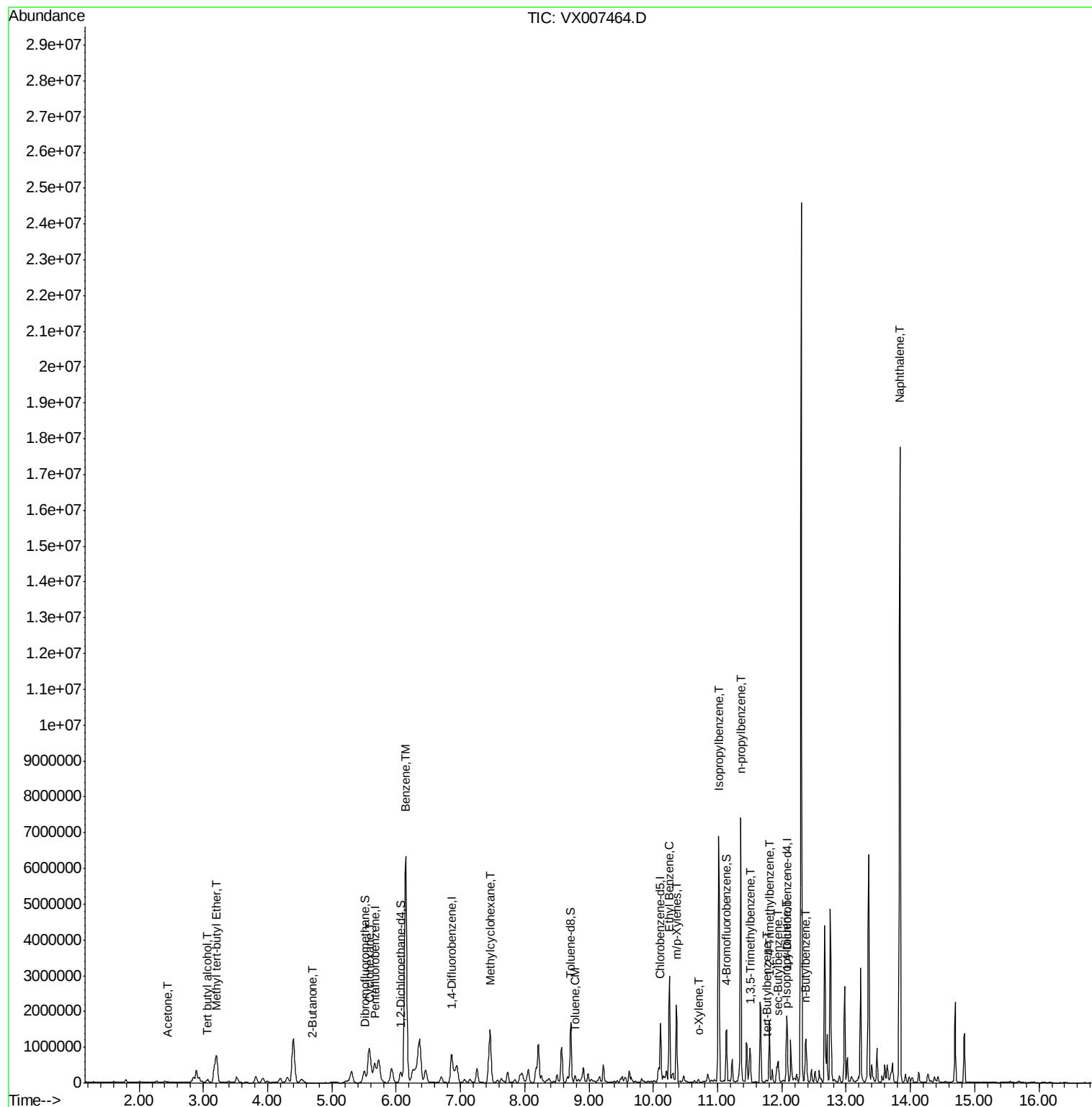
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	93138	77.887	ug/l #	73
16) Acetone	2.45	43	23405	8.843	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	815035	48.400	ug/l #	88
25) 2-Butanone	4.70	43	6067	1.611	ug/l #	82
31) Cyclohexane	5.58	56	682081	84.888	ug/l	96
39) Methylcyclohexane	7.46	83	650838	72.449	ug/l	97
40) Benzene	6.15	78	7562586	345.774	ug/l	100
52) Toluene	8.79	92	69272	4.909	ug/l	100
67) Ethyl Benzene	10.25	91	1695552	61.704	ug/l	99
68) m/p-Xylenes	10.36	106	476637	43.636	ug/l	99
69) o-Xylene	10.70	106	9178	0.873	ug/l	97
73) Isopropylbenzene	11.02	105	3504199	129.864	ug/l	99
78) n-propylbenzene	11.36	91	4275792	144.505	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	361108	16.358	ug/l	99
83) tert-Butylbenzene	11.77	119	16987	0.777	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	721386	32.187	ug/l	99
85) sec-Butylbenzene	11.94	105	187742	7.097	ug/l	97
86) p-Isopropyltoluene	12.06	119	28337	1.187	ug/l #	77
89) n-Butylbenzene	12.38	91	301402	14.673	ug/l #	58
95) Naphthalene	13.83	128	10226908	381.899	ug/l	98

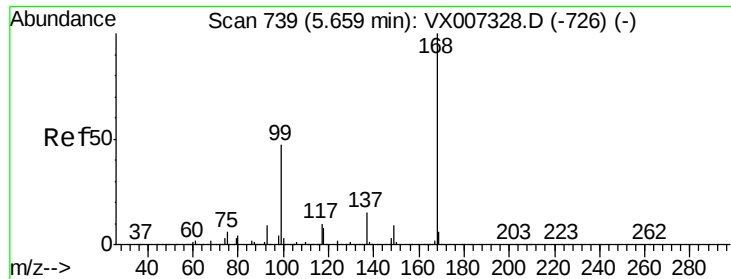
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

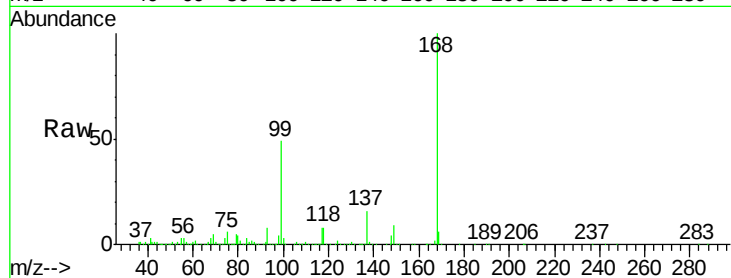
KY001MW038-190207

Tot Ion:168 Resp: 544389

Ion Ratio Lower Upper

168 100

99 48.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

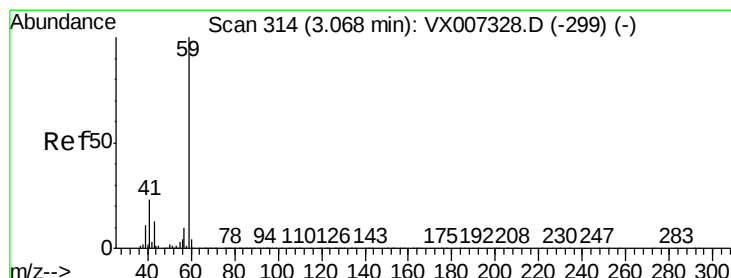
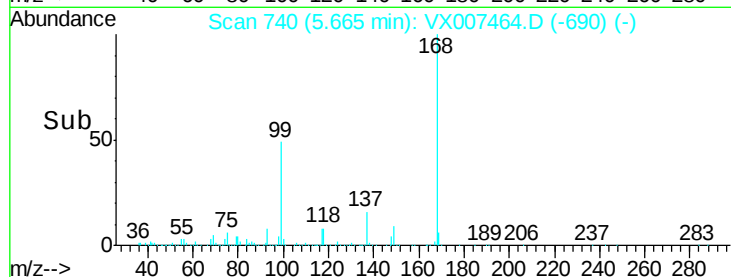
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 77.887 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007464.D

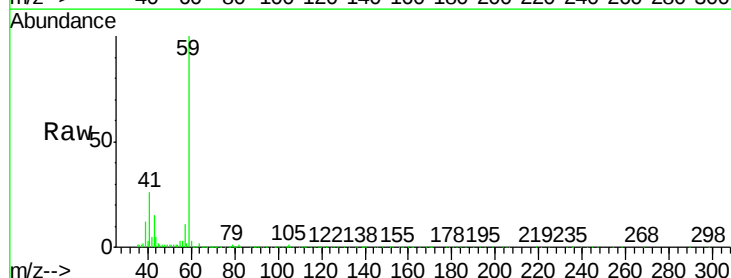
Acq: 11 Feb 2019 13:33

Tgt Ion: 59 Resp: 93138

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

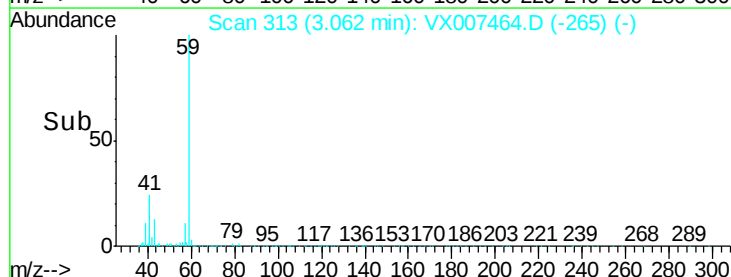
150000

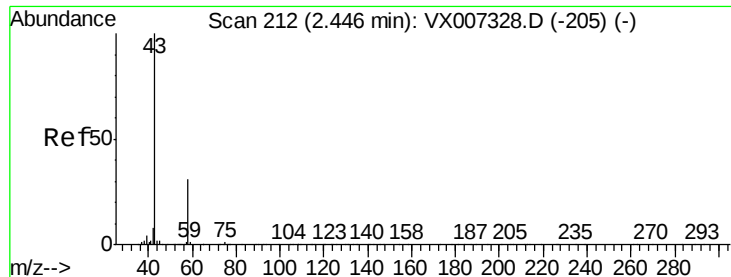
100000

50000

0

Time--> 3.00 3.10 3.20





#16

Acetone

Concen: 8.843 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

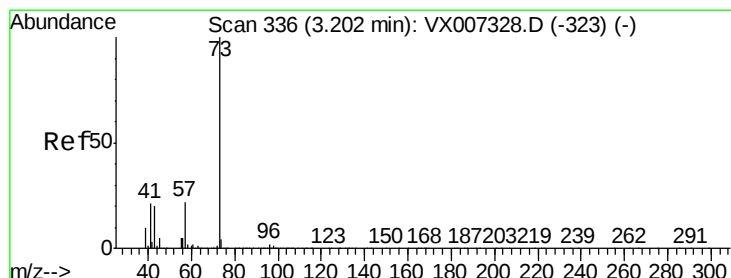
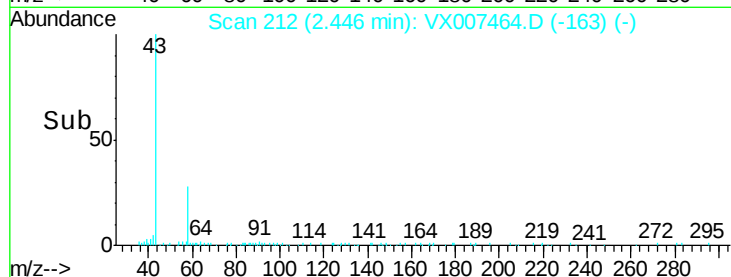
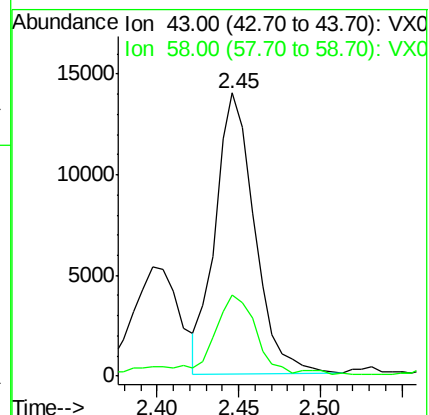
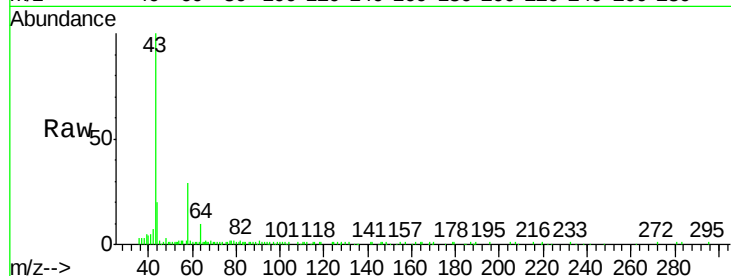
KY001MW038-190207

Tot Ion: 43 Resp: 23405

Ion Ratio Lower Upper

43 100

58 27.9 24.9 37.3



#19

Methyl tert-butyl Ether

Concen: 48.400 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX007464.D

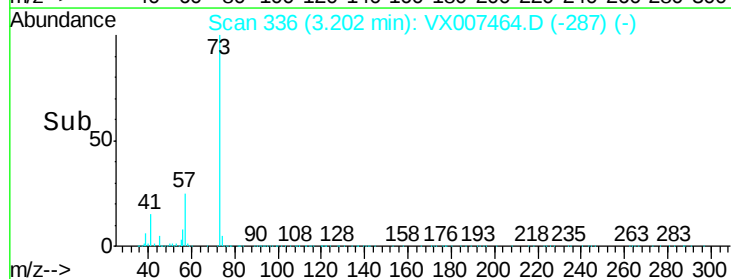
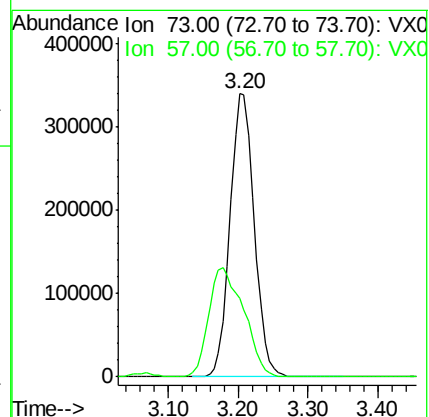
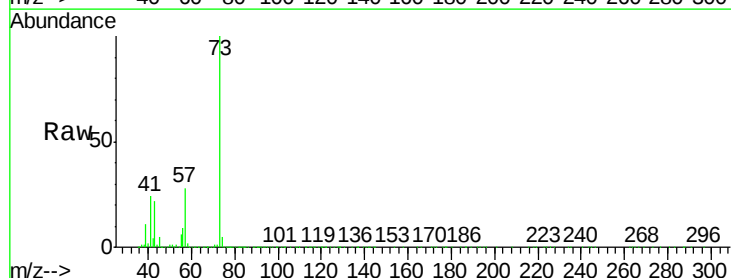
Acq: 11 Feb 2019 13:33

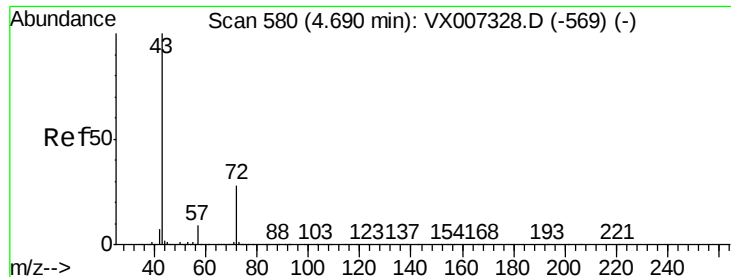
Tgt Ion: 73 Resp: 815035

Ion Ratio Lower Upper

73 100

57 27.8 17.8 26.8#





#25

2-Butanone

Concen: 1.611 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

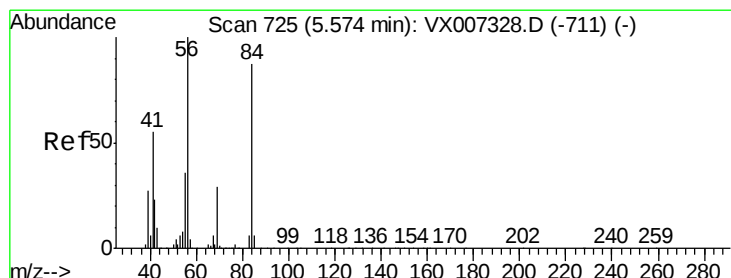
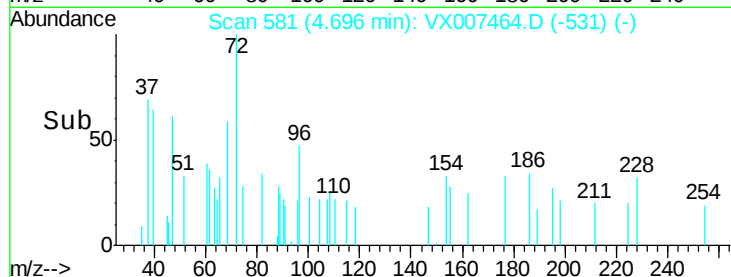
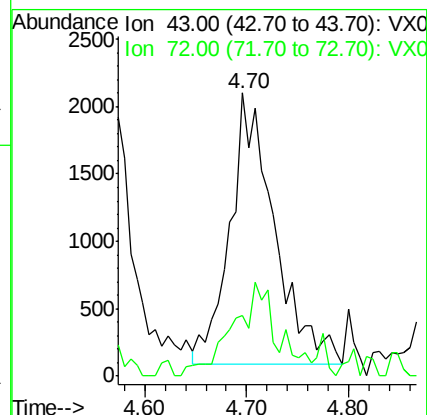
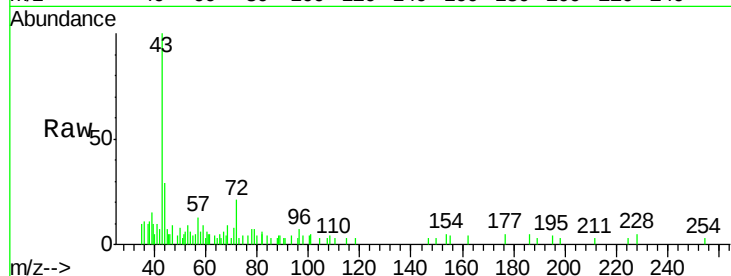
KY001MW038-190207

Tot Ion: 43 Resp: 6067

Ion Ratio Lower Upper

43 100

72 18.4 22.2 33.2#



#31

Cyclohexane

Concen: 84.888 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

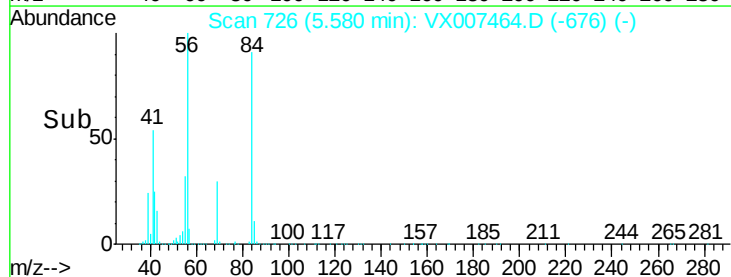
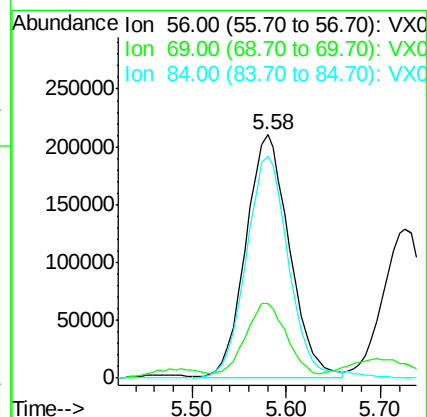
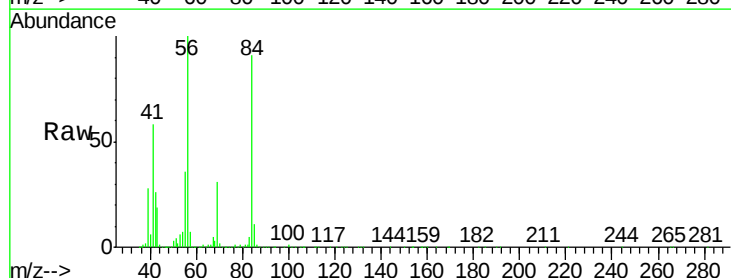
Tgt Ion: 56 Resp: 682081

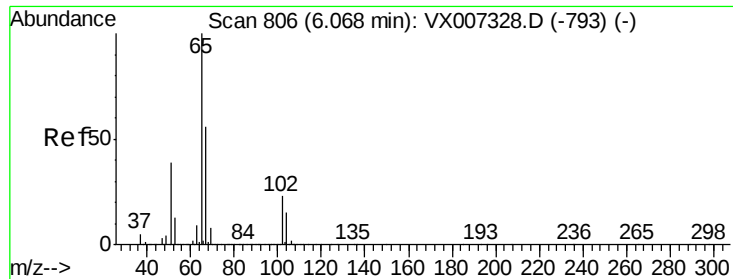
Ion Ratio Lower Upper

56 100

69 27.8 23.0 34.6

84 91.5 69.8 104.6





#33

1,2-Dichloroethane-d4

Concen: 48.750 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

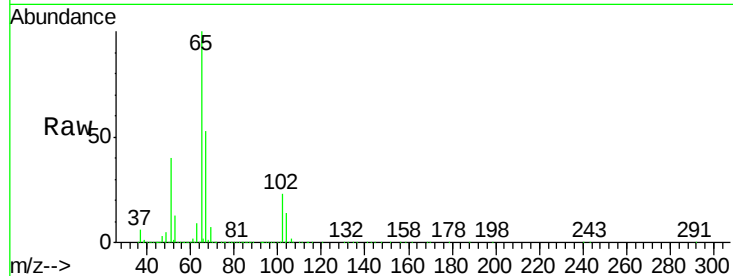
KY001MW038-190207

Tot Ion: 65 Resp: 281688

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

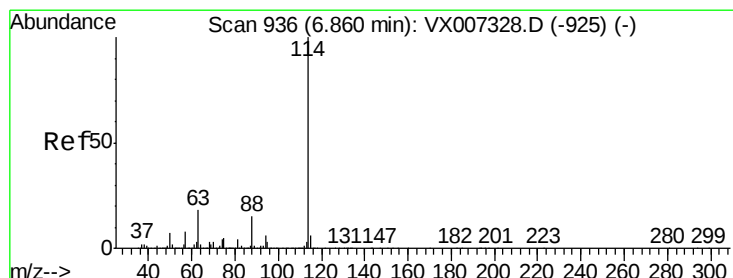
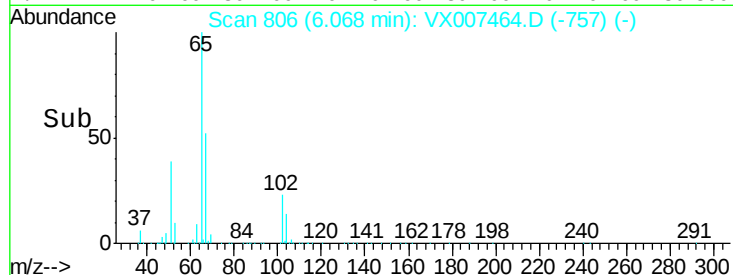
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

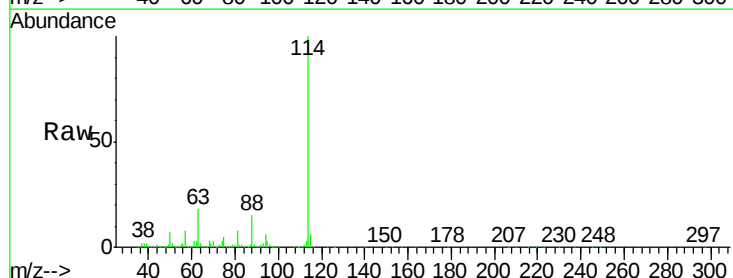
Tgt Ion: 114 Resp: 827526

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 14.9 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

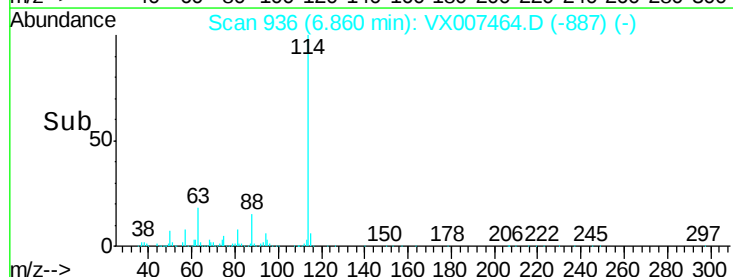
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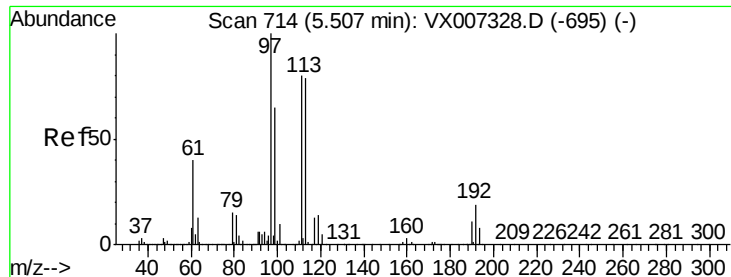
200000

100000

0

Time-->

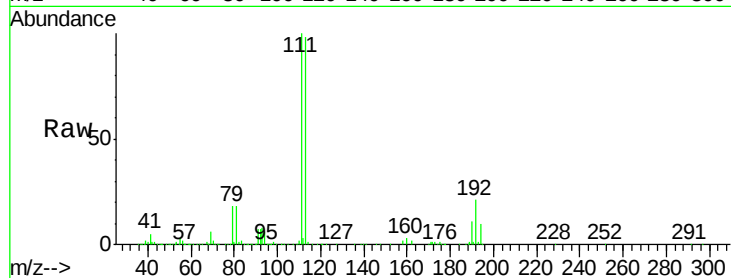




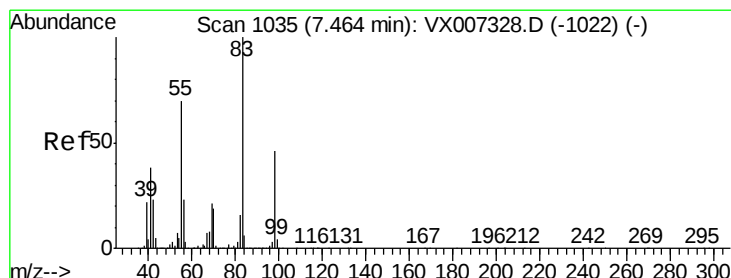
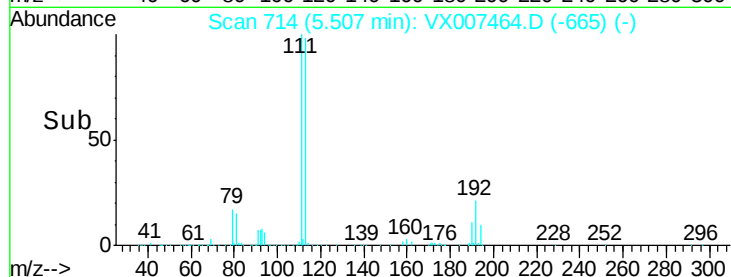
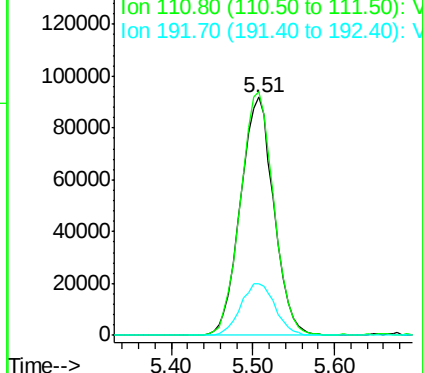
#35
Dibromofluoromethane
Concen: 48.476 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.00 min
Lab File: VX007464.D
Acq: 11 Feb 2019 13:33

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.8
192	22.5	18.5	27.7

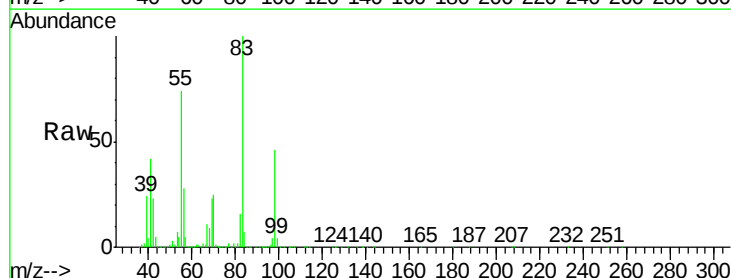


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

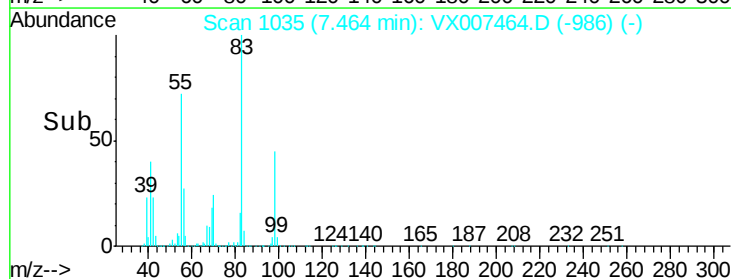
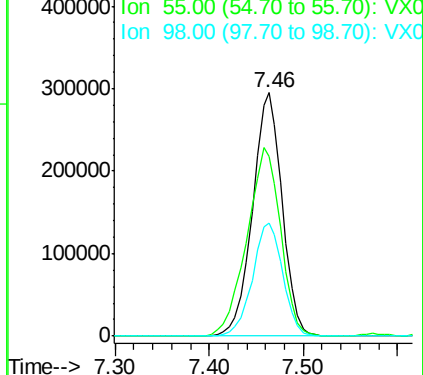


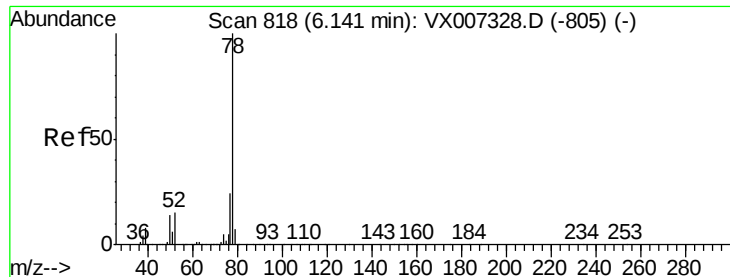
#39
Methylcyclohexane
Concen: 72.449 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007464.D
Acq: 11 Feb 2019 13:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.5	56.2	84.2
98	46.4	36.8	55.2



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 345.774 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

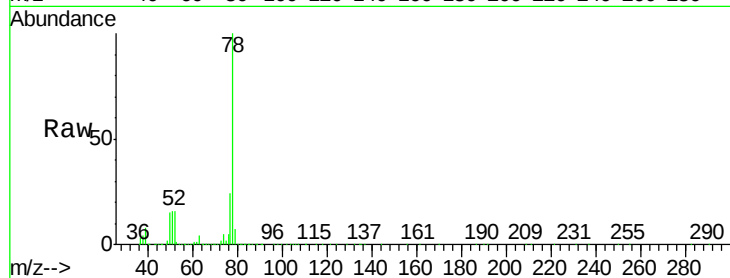
KY001MW038-190207

Tot Ion: 78 Resp: 7562586

Ion Ratio Lower Upper

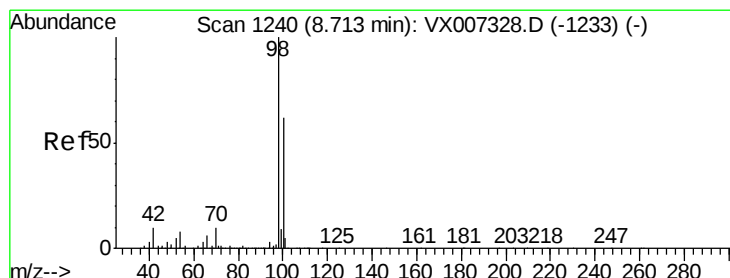
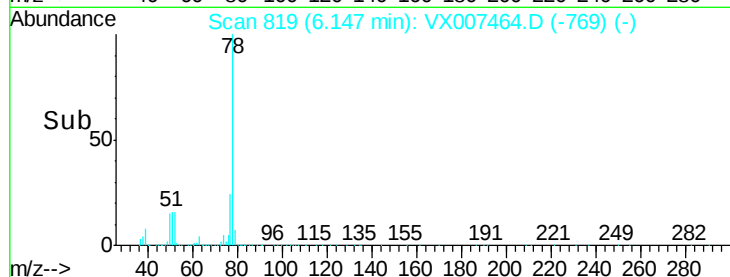
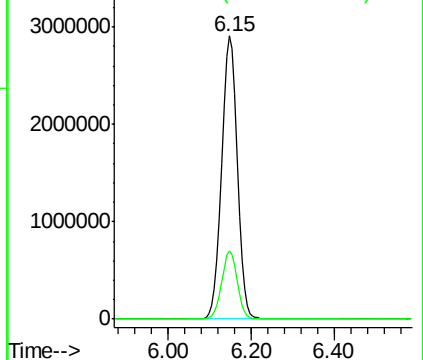
78 100

77 24.2 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.140 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007464.D

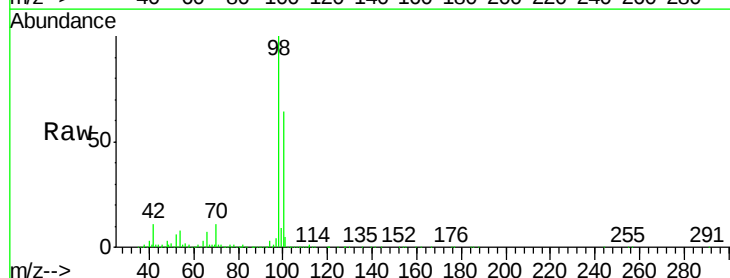
Acq: 11 Feb 2019 13:33

Tgt Ion: 98 Resp: 1001654

Ion Ratio Lower Upper

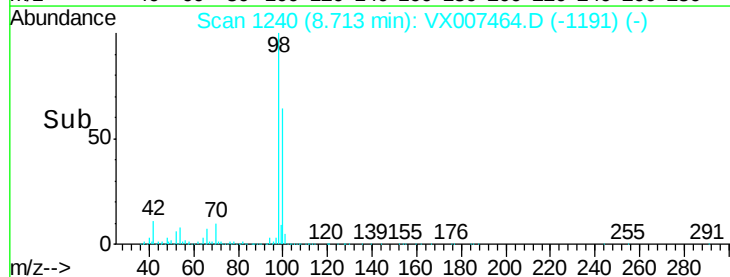
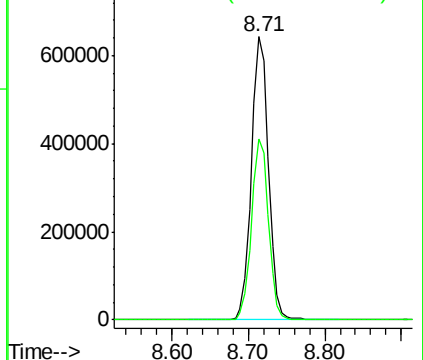
98 100

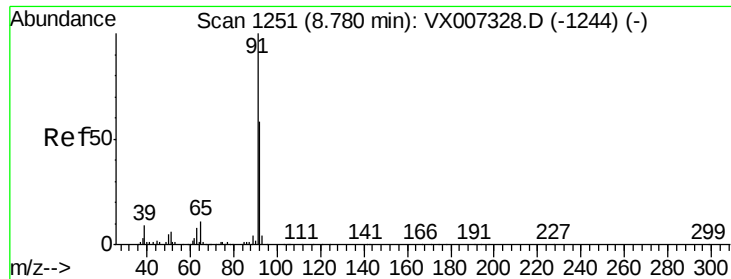
100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 4.909 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

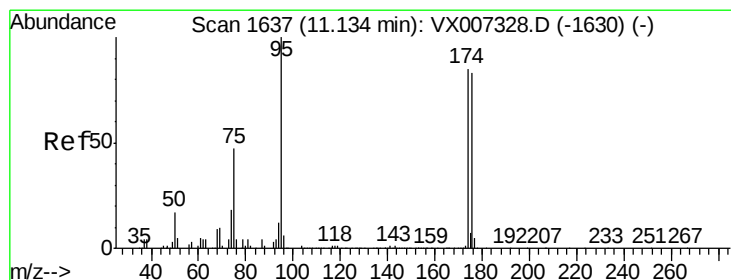
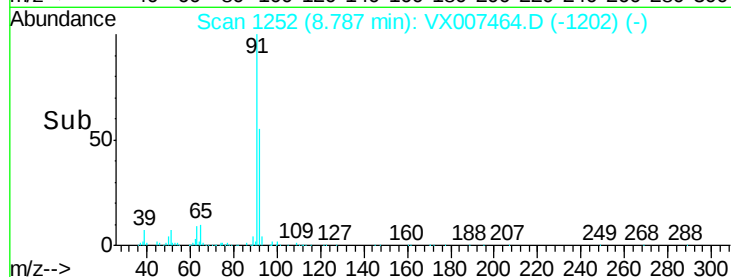
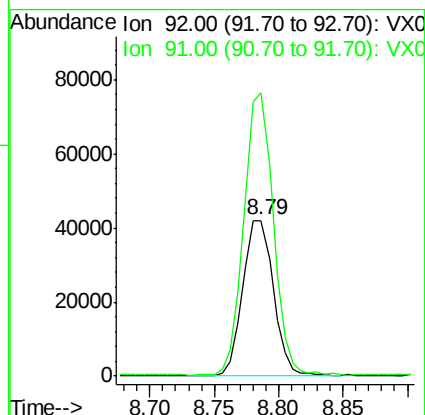
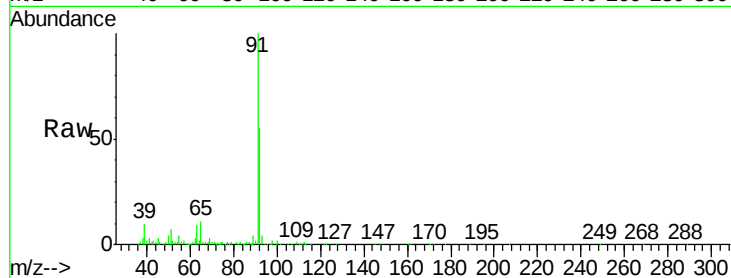
KY001MW038-190207

Tot Ion: 92 Resp: 69272

Ion Ratio Lower Upper

92 100

91 173.9 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 50.916 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

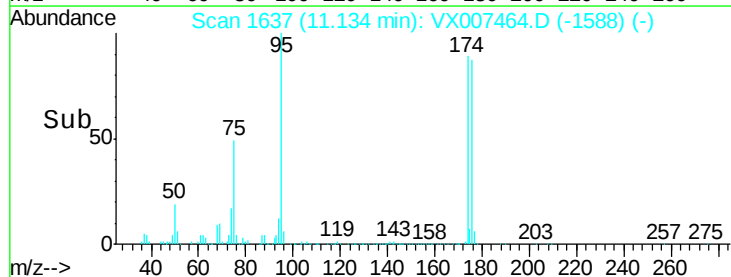
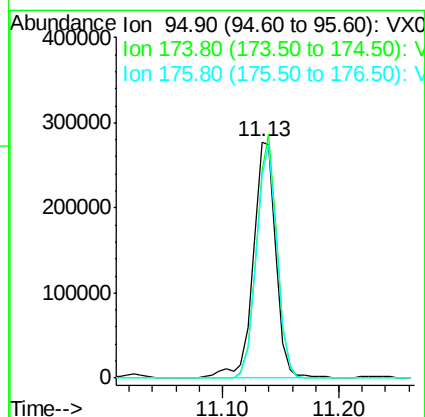
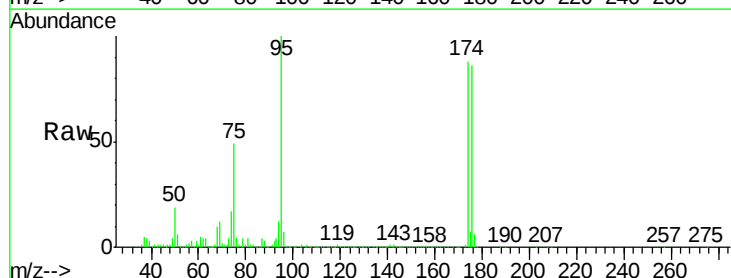
Tgt Ion: 95 Resp: 371367

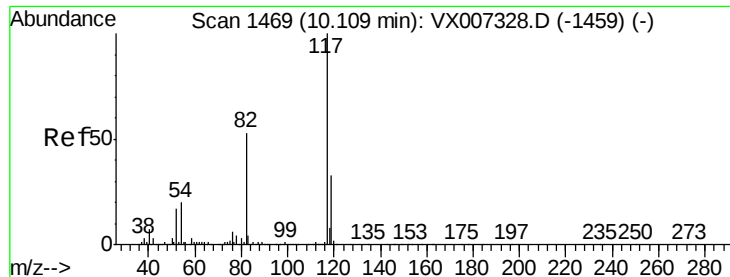
Ion Ratio Lower Upper

95 100

174 93.4 0.0 189.2

176 91.0 0.0 186.2

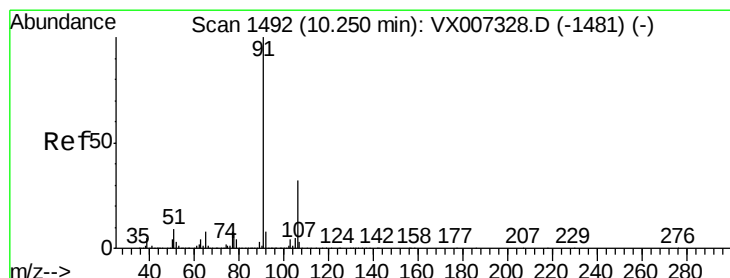
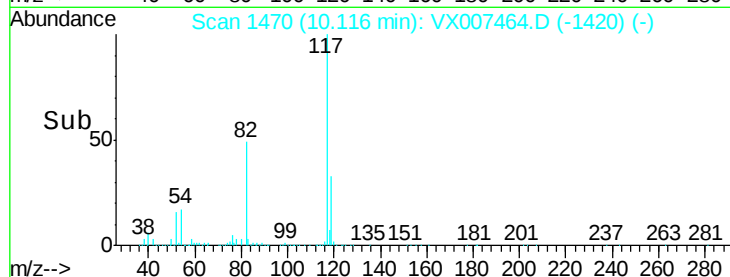
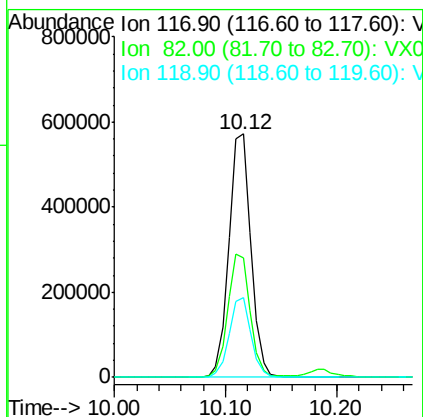
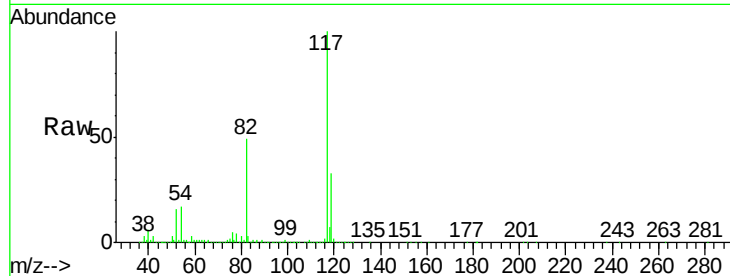




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007464.D
Acq: 11 Feb 2019 13:33

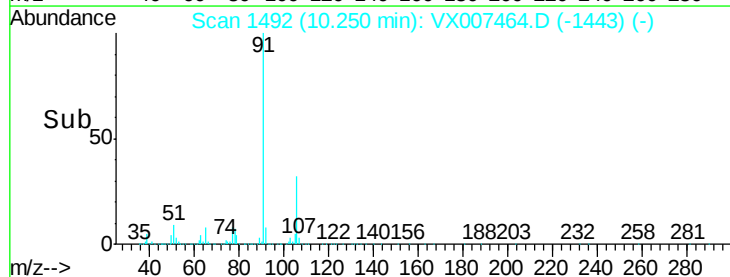
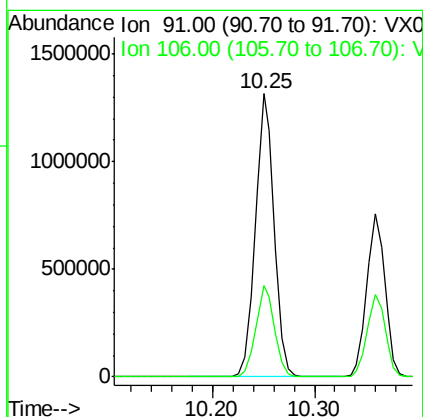
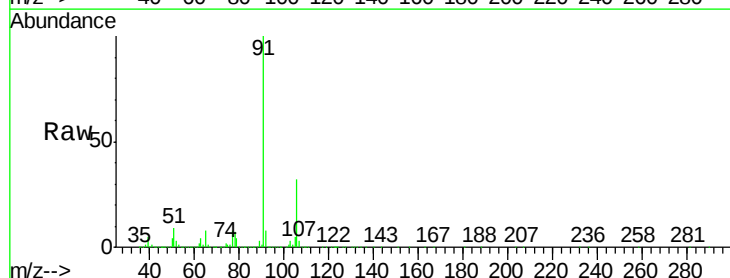
Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207

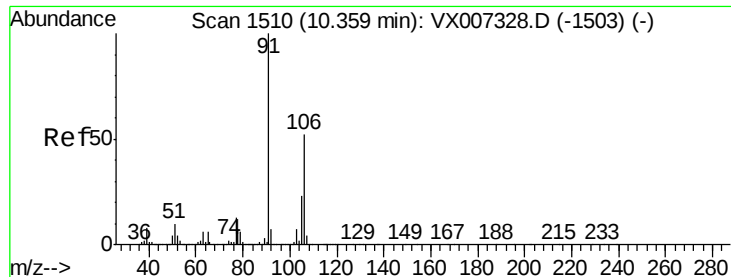
Tot Ion:117 Resp: 781940
Ion Ratio Lower Upper
117 100
82 49.1 42.1 63.1
119 32.8 26.5 39.7



#67
Ethyl Benzene
Concen: 61.704 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007464.D
Acq: 11 Feb 2019 13:33

Tgt Ion: 91 Resp: 1695552
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0

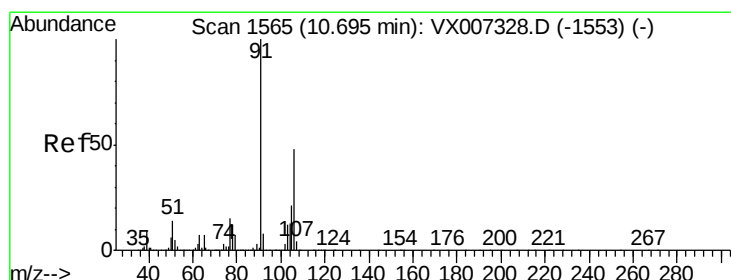
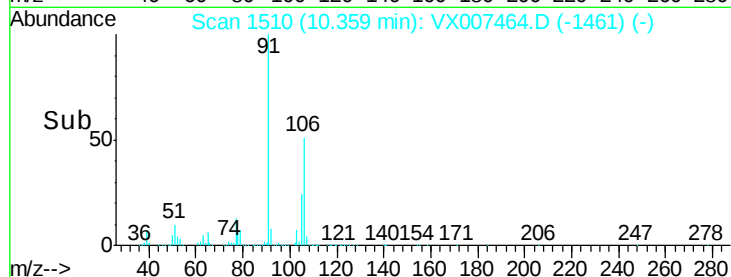
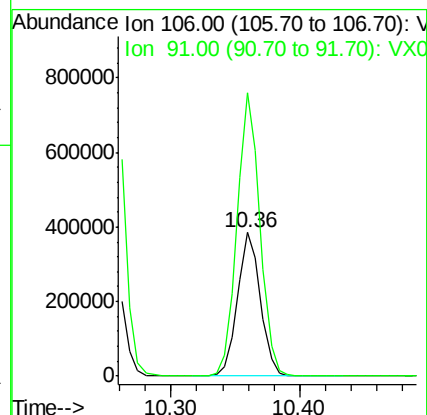
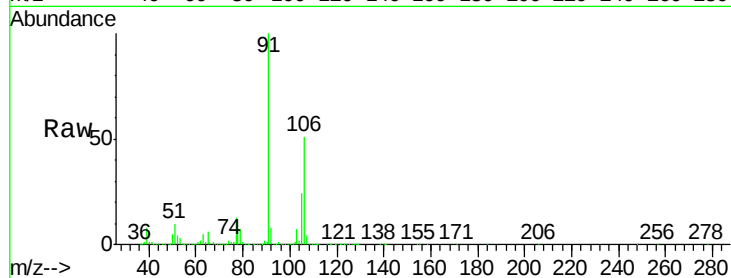




#68
m/p-Xylenes
Concen: 43.636 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007464.D
Acq: 11 Feb 2019 13:33

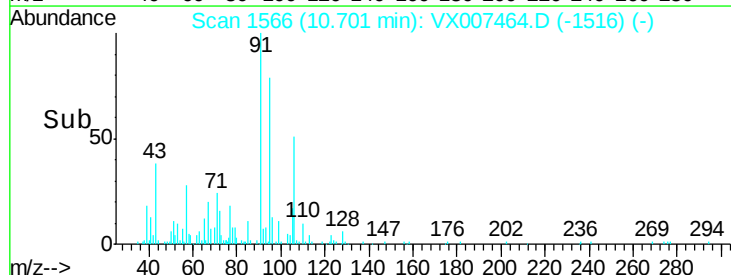
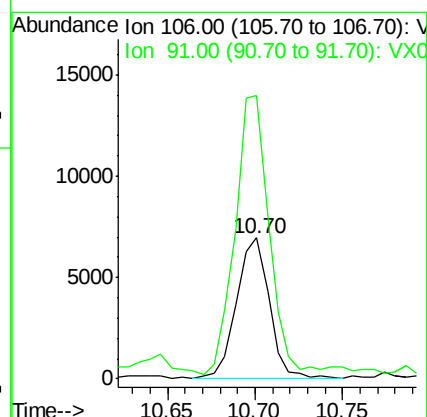
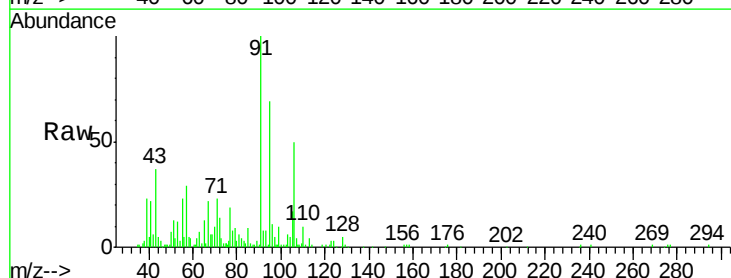
Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-190207

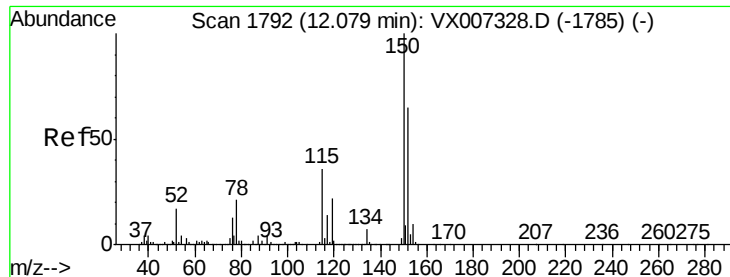
Tot Ion:106 Resp: 476637
Ion Ratio Lower Upper
106 100
91 197.0 156.6 234.8



#69
o-Xylene
Concen: 0.873 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007464.D
Acq: 11 Feb 2019 13:33

Tgt Ion:106 Resp: 9178
Ion Ratio Lower Upper
106 100
91 201.5 102.9 308.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-190207

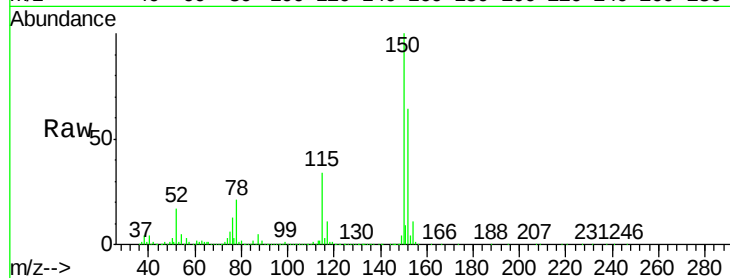
Tot Ion:152 Resp: 397078

Ion Ratio Lower Upper

152 100

115 54.4 38.0 114.0

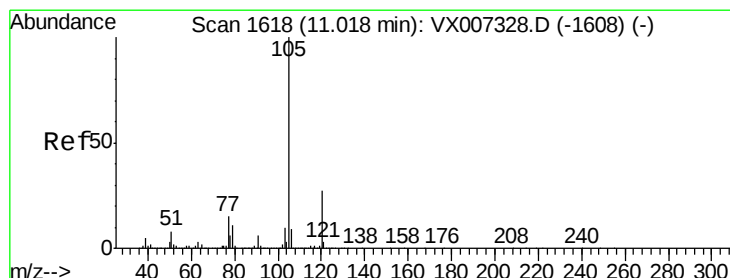
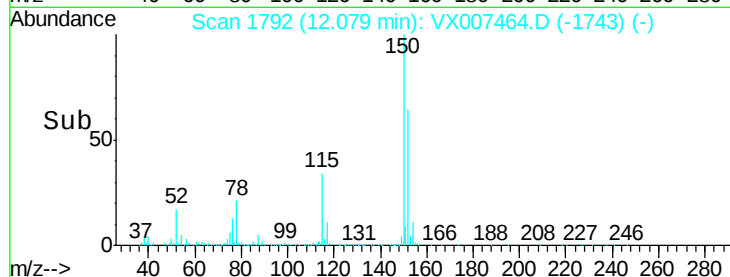
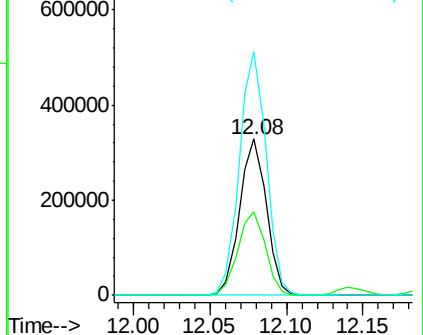
150 157.0 0.0 346.4



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: 129.864 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007464.D

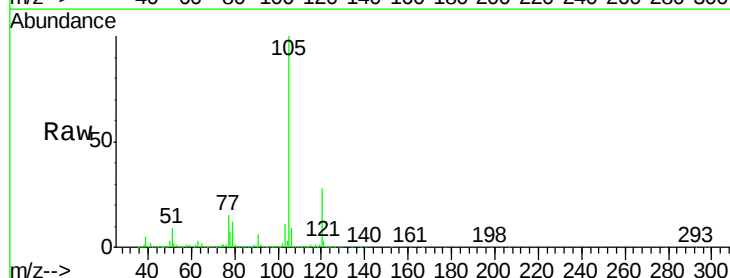
Acq: 11 Feb 2019 13:33

Tgt Ion:105 Resp: 3504199

Ion Ratio Lower Upper

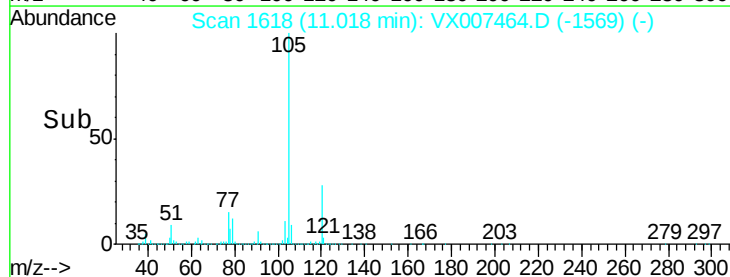
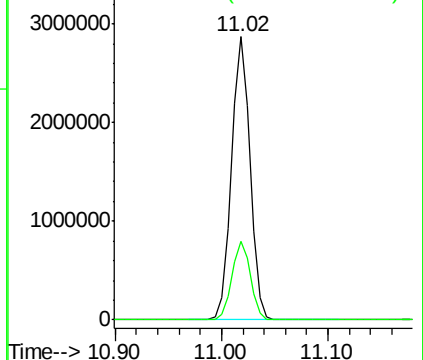
105 100

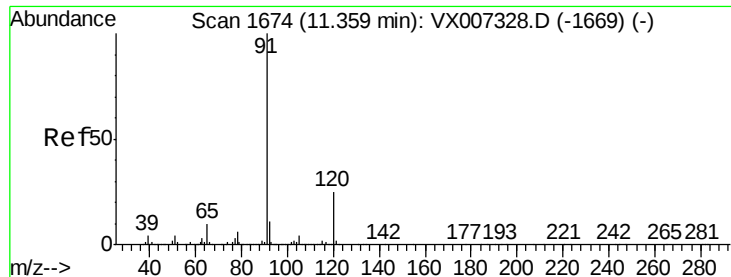
120 27.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 144.505 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

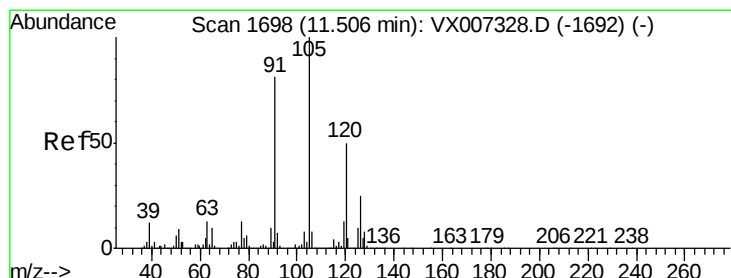
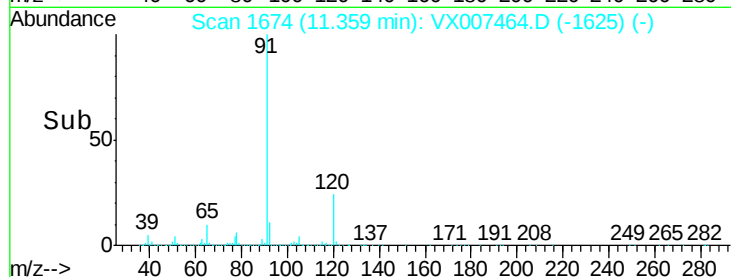
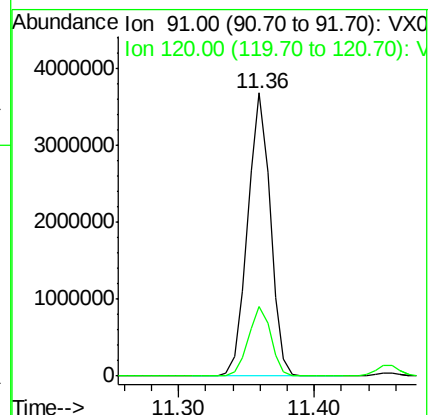
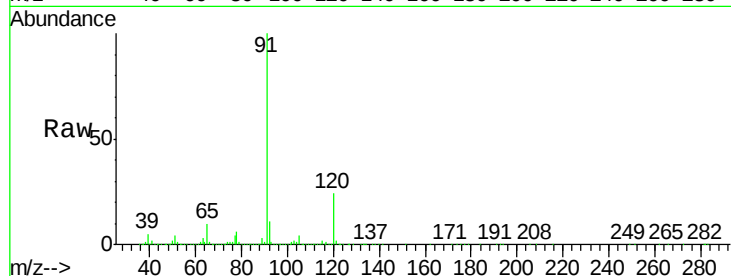
KY001MW038-190207

Tot Ion: 91 Resp: 4275792

Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.2



#80

1,3,5-Trimethylbenzene

Concen: 16.358 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007464.D

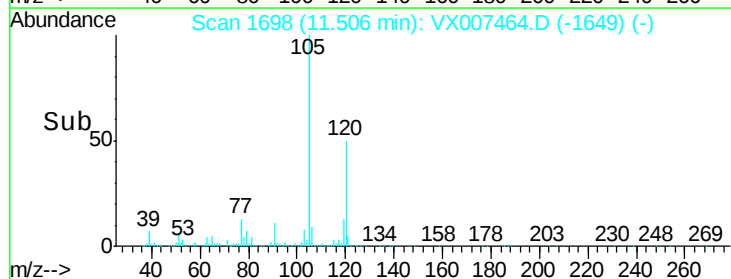
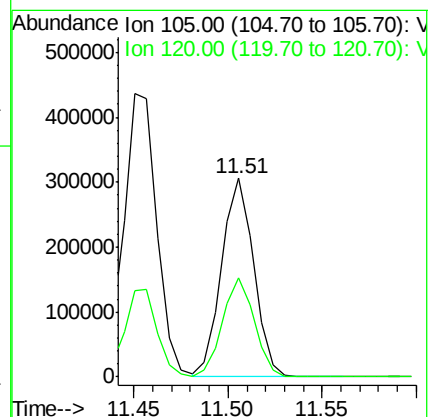
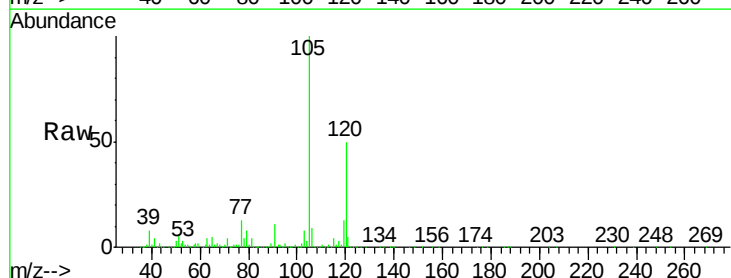
Acq: 11 Feb 2019 13:33

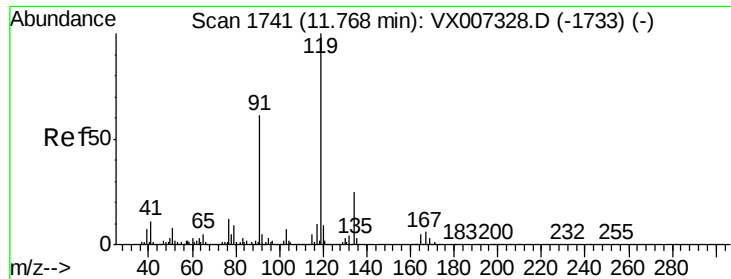
Tgt Ion: 105 Resp: 361108

Ion Ratio Lower Upper

105 100

120 49.6 25.3 75.8

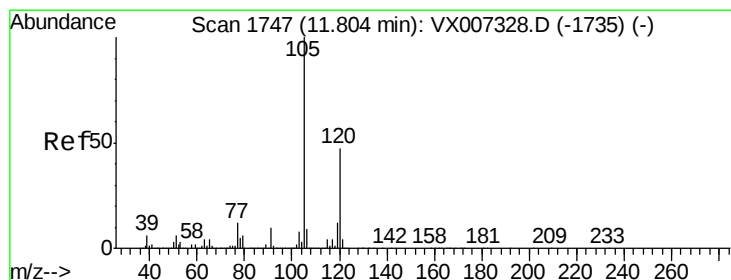
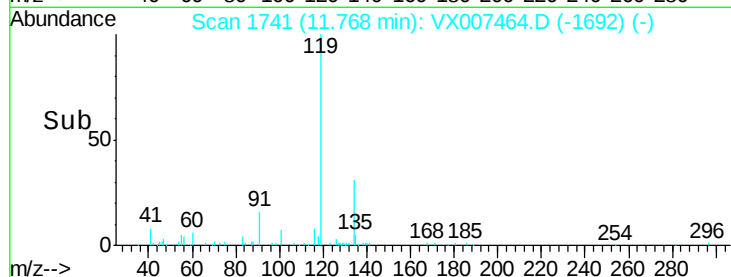
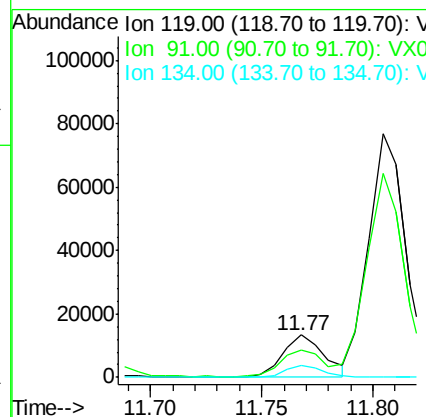
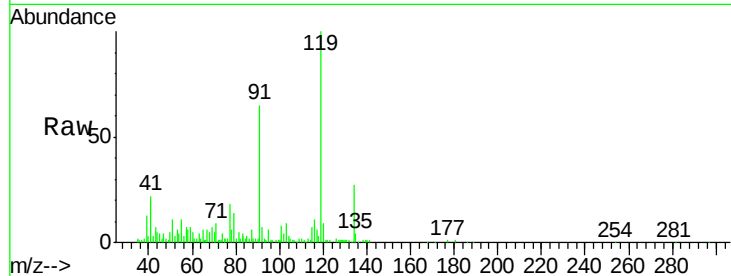




#83
 tert-Butylbenzene
 Concen: 0.777 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007464.D
 Acq: 11 Feb 2019 13:33

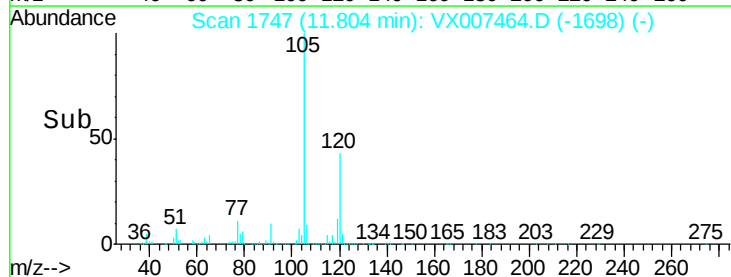
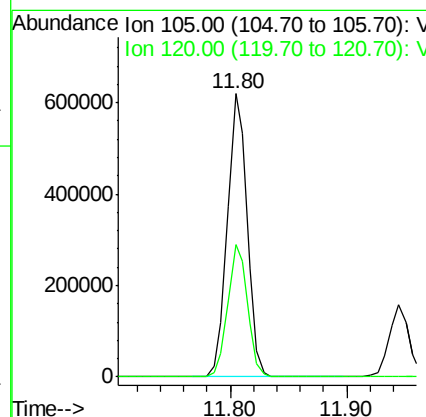
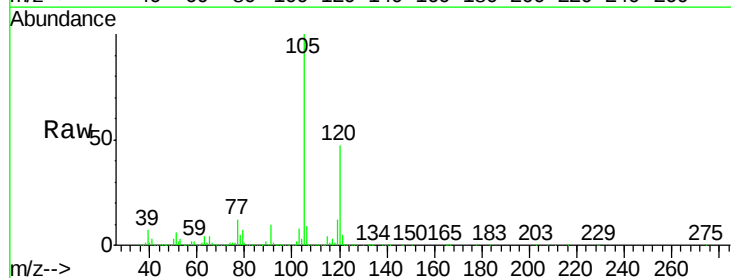
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW038-190207

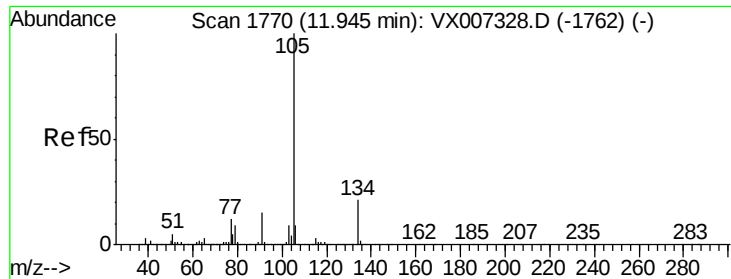
Tot Ion:119 Resp: 16987
 Ion Ratio Lower Upper
 119 100
 91 62.6 28.5 85.6
 134 26.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 32.187 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007464.D
 Acq: 11 Feb 2019 13:33

Tgt Ion:105 Resp: 721386
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 7.097 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

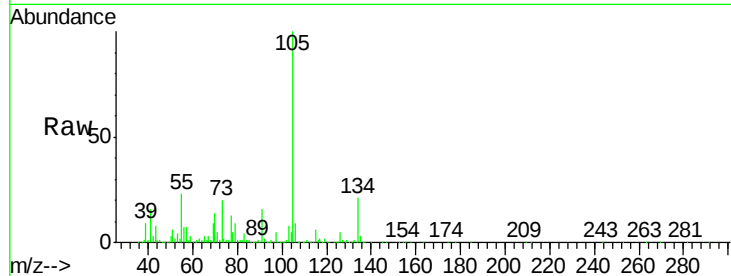
KY001MW038-190207

Tot Ion:105 Resp: 187742

Ion Ratio Lower Upper

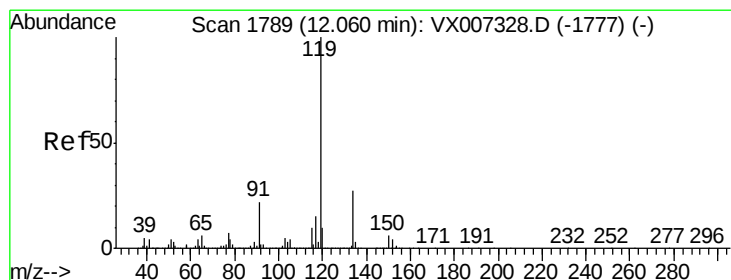
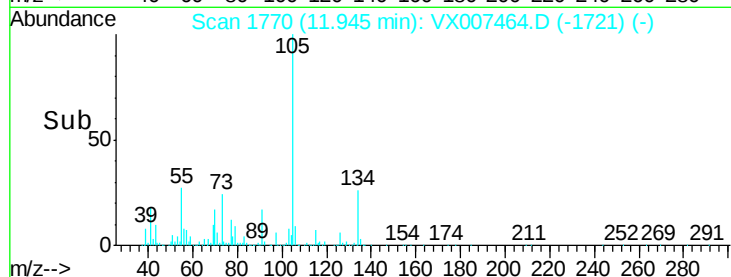
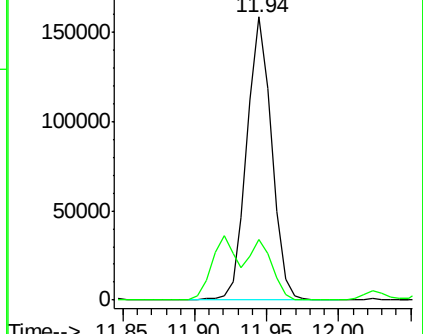
105 100

134 19.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.187 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

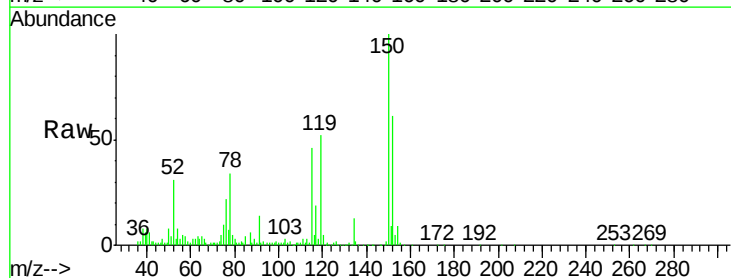
Tgt Ion:119 Resp: 28337

Ion Ratio Lower Upper

119 100

134 29.5 13.7 41.1

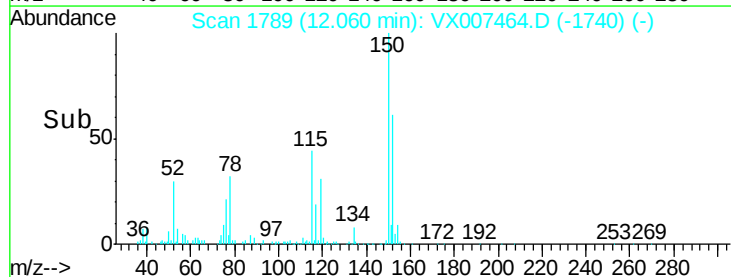
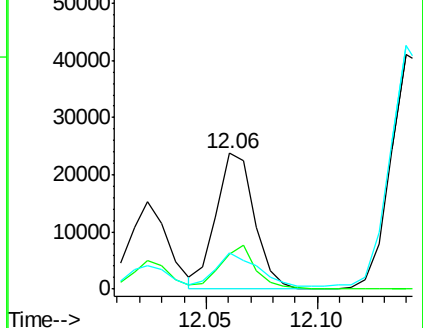
91 0.0 11.2 33.5#

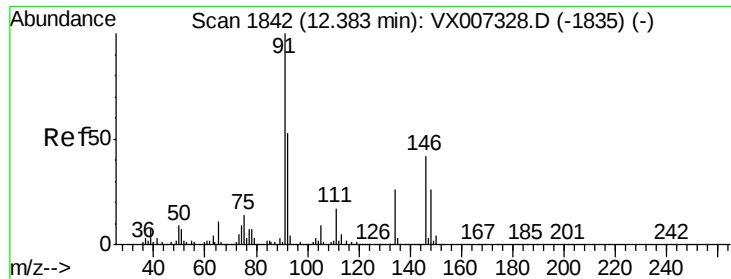


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 14.673 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-190207

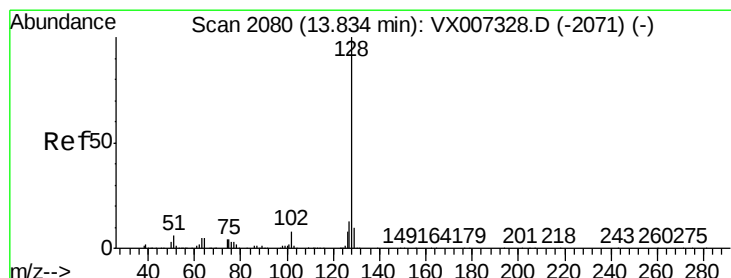
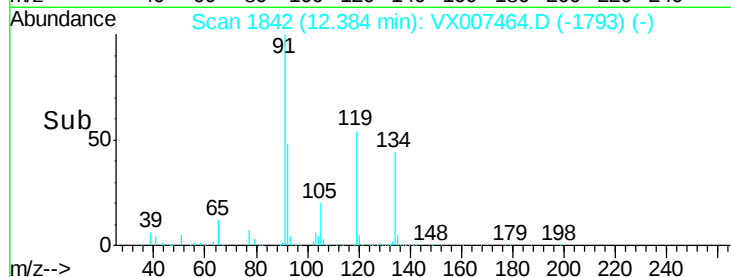
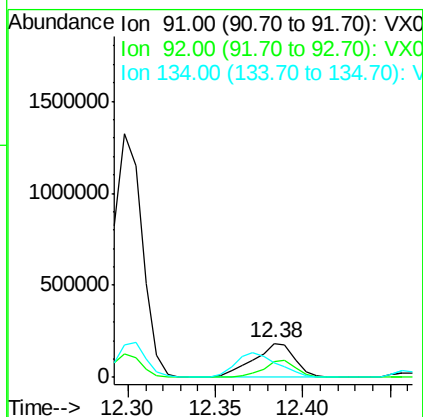
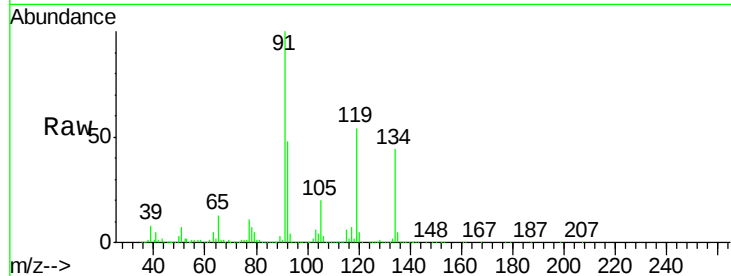
Tot Ion: 91 Resp: 301402

Ion Ratio Lower Upper

91 100

92 39.6 26.3 78.9

134 73.9 13.9 41.6#



#95

Naphthalene

Concen: 381.899 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007464.D

Acq: 11 Feb 2019 13:33

Tgt Ion:128 Resp:10226908

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

129 11.9 8.7 13.1

