

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021519\
 Data File : VX007556.D
 Acq On : 14 Feb 2019 19:55
 Operator : JC/SP
 Sample : K1474-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW029-190212

Quant Time: Feb 15 05:51:37 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	531554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	826580	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	769806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	378252	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	280751	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	5.50	113	264374	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	8.71	98	993563	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	369199	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

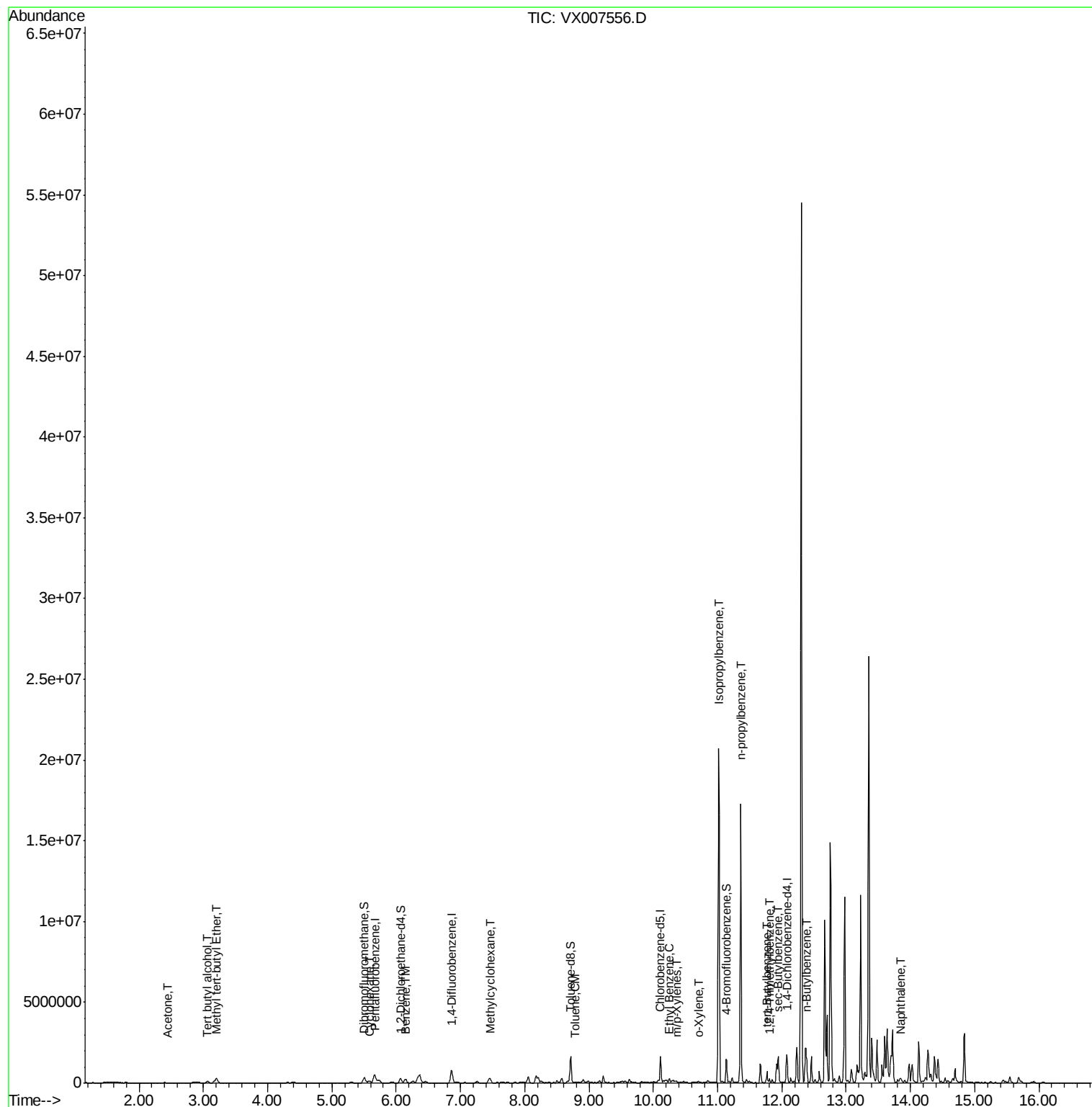
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	99802	85.475	ug/l	97
16) Acetone	2.45	43	8498	3.288	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	281215	17.103	ug/l	98
31) Cyclohexane	5.57	56	84733	10.800	ug/l	95
39) Methylcyclohexane	7.46	83	127417	14.200	ug/l #	86
40) Benzene	6.15	78	285853	13.085	ug/l	96
52) Toluene	8.79	92	16046	1.138	ug/l	94
67) Ethyl Benzene	10.25	91	136997	5.064	ug/l	98
68) m/p-Xylenes	10.36	106	14228	1.323	ug/l	98
69) o-Xylene	10.70	106	11424	1.104	ug/l	97
73) Isopropylbenzene	11.02	105	10222283	397.689	ug/l	96
78) n-propylbenzene	11.36	91	9764144	346.414	ug/l	98
83) tert-Butylbenzene	11.77	119	266858	12.817	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	103852	4.864	ug/l	99
85) sec-Butylbenzene	11.94	105	804260	31.916	ug/l	96
89) n-Butylbenzene	12.38	91	801249	40.947	ug/l #	73
95) Naphthalene	13.83	128	150777	5.911	ug/l #	95

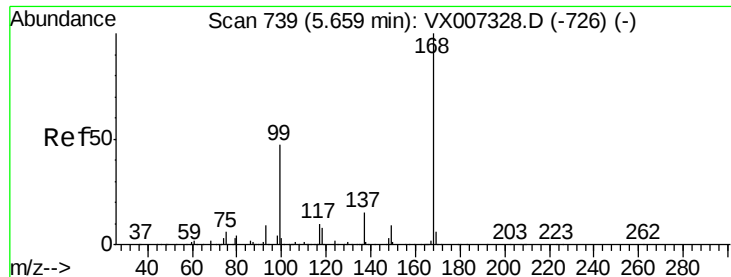
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007556.D

Acq: 14 Feb 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

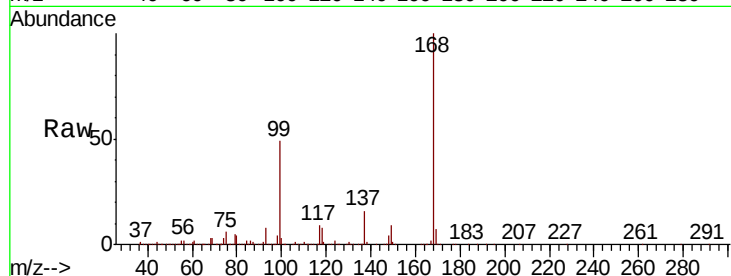
KY001MW029-190212

Tot Ion:168 Resp: 531554

Ion Ratio Lower Upper

168 100

99 49.1 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

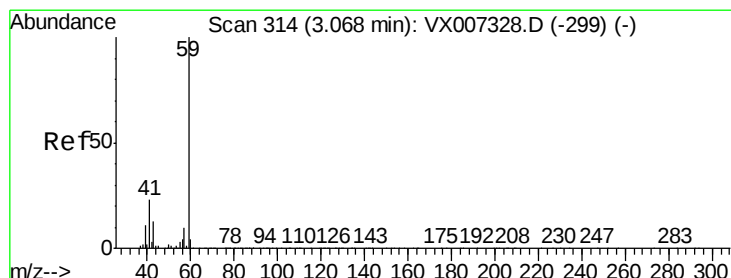
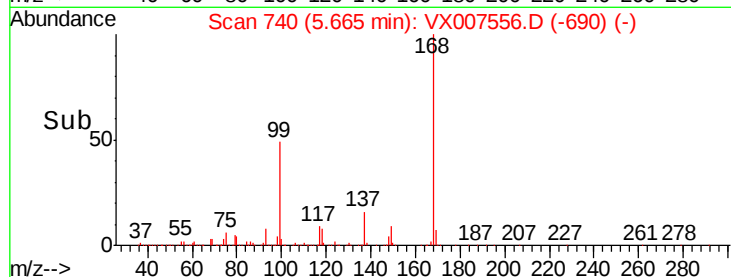
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 85.475 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007556.D

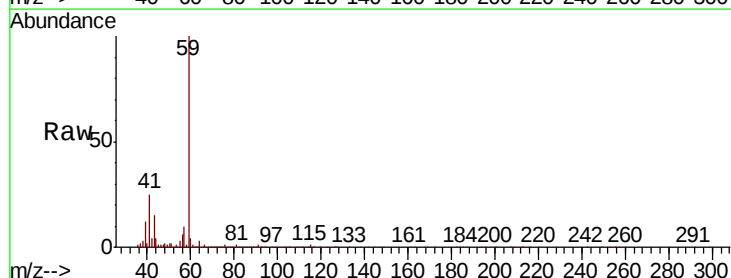
Acq: 14 Feb 2019 19:55

Tgt Ion: 59 Resp: 99802

Ion Ratio Lower Upper

59 100

57 11.4 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

50000

40000

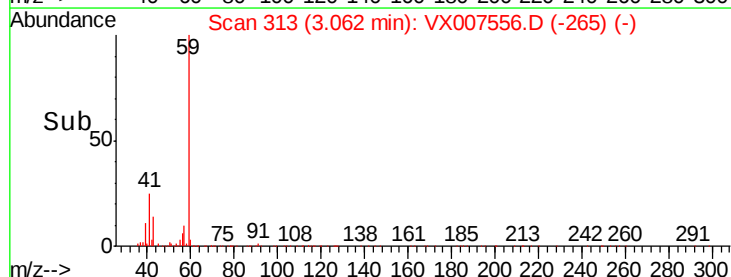
30000

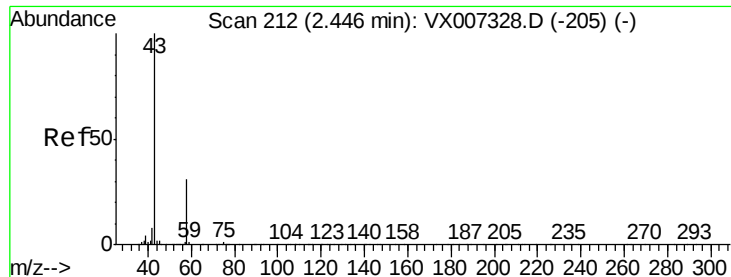
20000

10000

0

Time-->





#16

Acetone

Concen: 3.288 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007556.D

Acq: 14 Feb 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

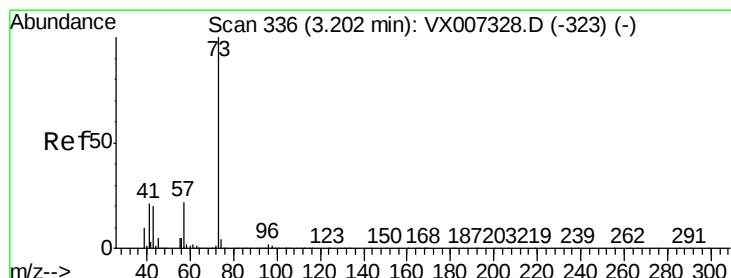
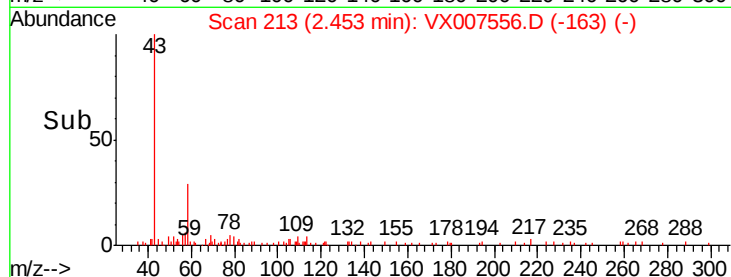
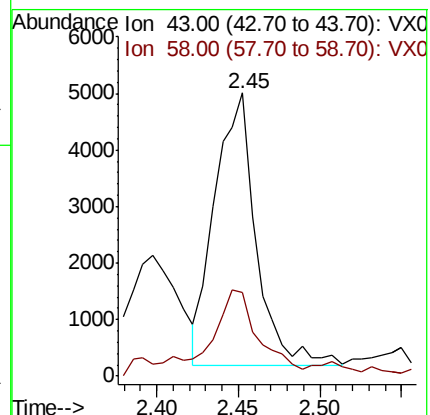
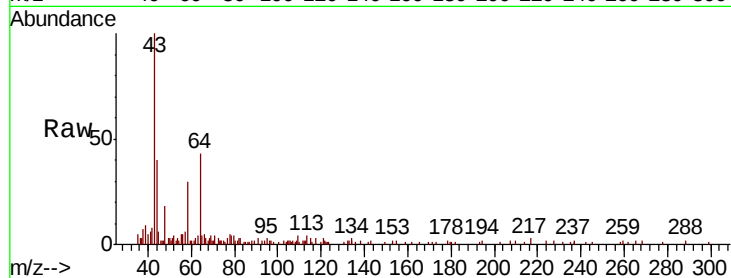
KY001MW029-190212

Tot Ion: 43 Resp: 8498

Ion Ratio Lower Upper

43 100

58 27.5 24.9 37.3



#19

Methyl tert-butyl Ether

Concen: 17.103 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX007556.D

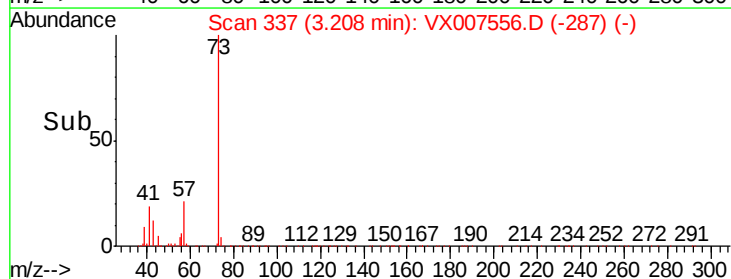
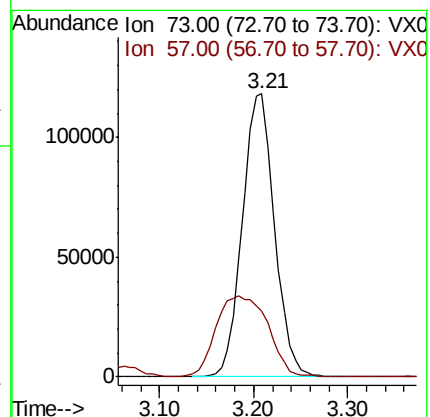
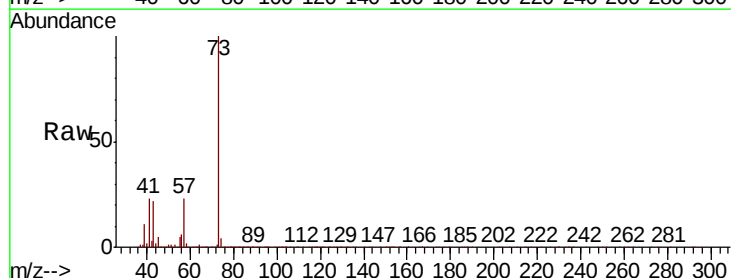
Acq: 14 Feb 2019 19:55

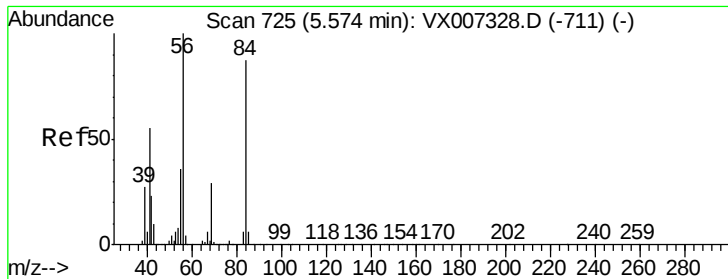
Tgt Ion: 73 Resp: 281215

Ion Ratio Lower Upper

73 100

57 23.0 17.8 26.8





#31

Cyclohexane

Concen: 10.800 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007556.D

Acq: 14 Feb 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

KY001MW029-190212

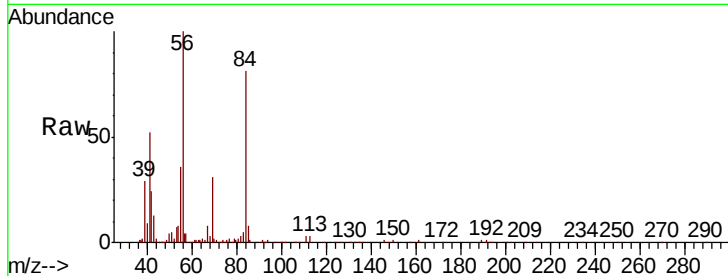
Tot Ion: 56 Resp: 84733

Ion Ratio Lower Upper

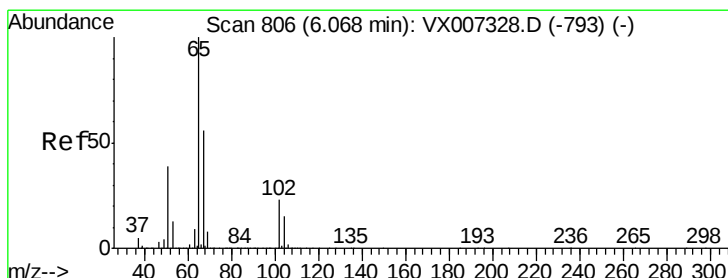
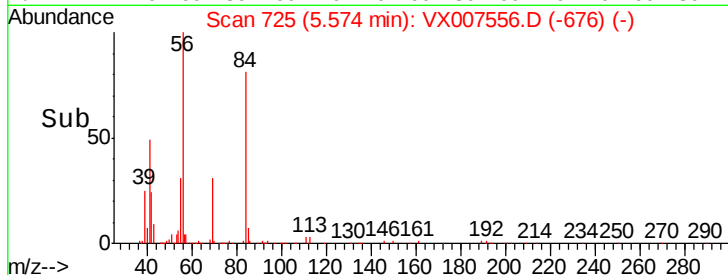
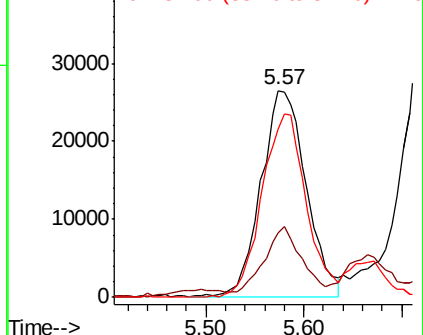
56 100

69 28.3 23.0 34.6

84 81.1 69.8 104.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.761 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007556.D

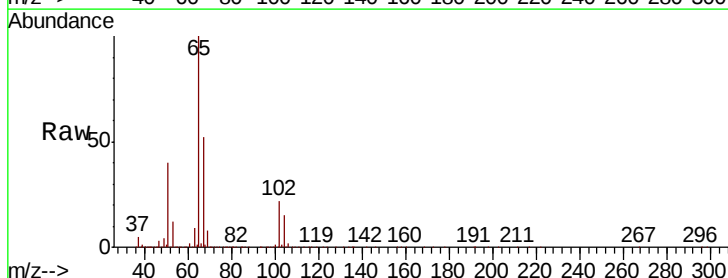
Acq: 14 Feb 2019 19:55

Tgt Ion: 65 Resp: 280751

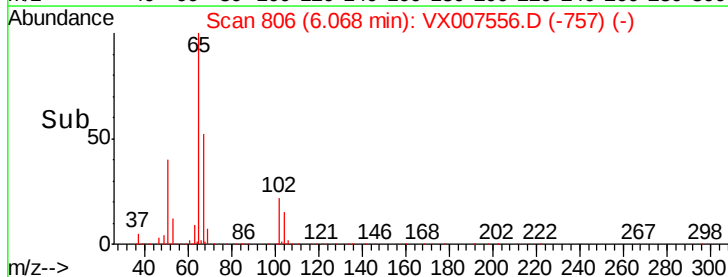
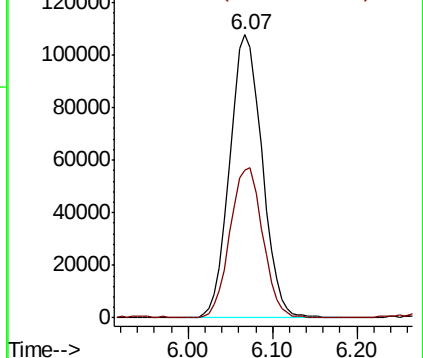
Ion Ratio Lower Upper

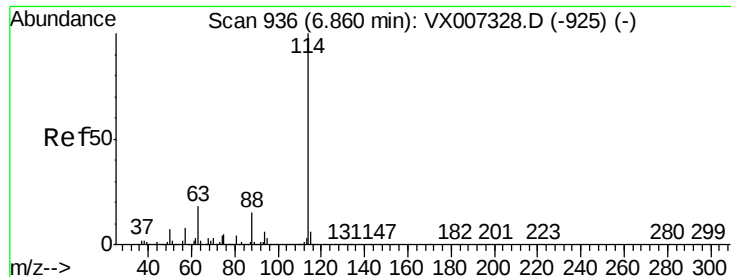
65 100

67 53.5 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007556.D

Acq: 14 Feb 2019 19:55

Instrument :

MSVOA_X

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KY001MW029-190212

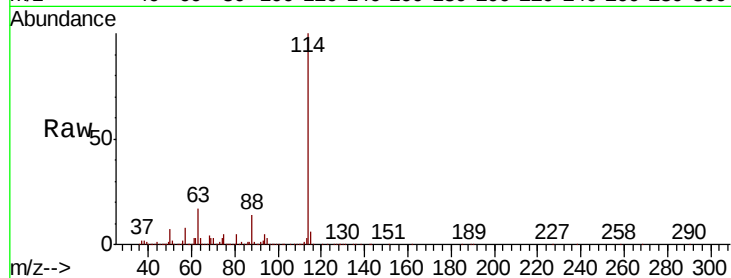
Tot Ion:114 Resp: 826580

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

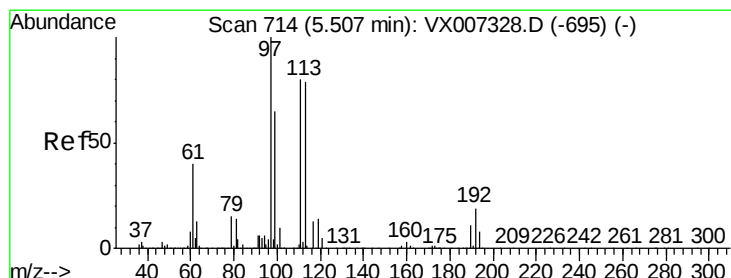
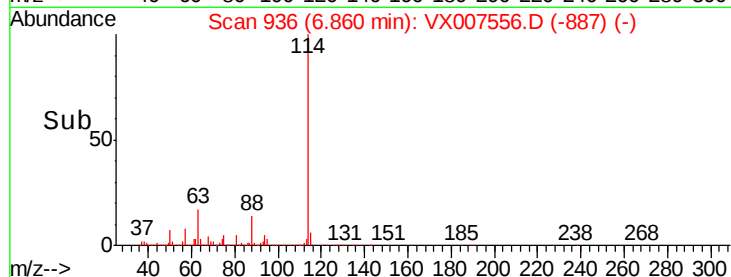
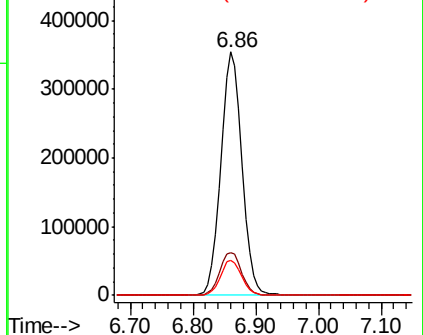
88 14.2 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 49.156 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007556.D

Acq: 14 Feb 2019 19:55

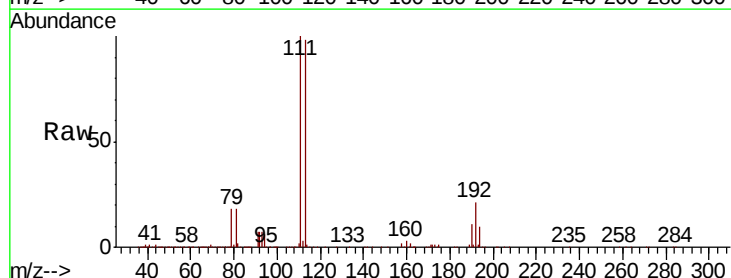
Tgt Ion:113 Resp: 264374

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

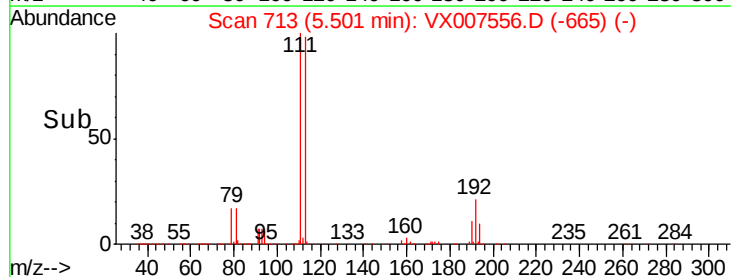
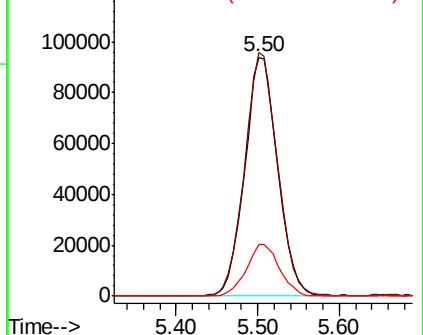
192 21.8 18.5 27.7

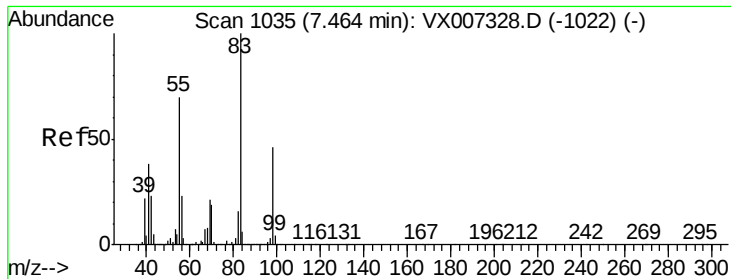


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

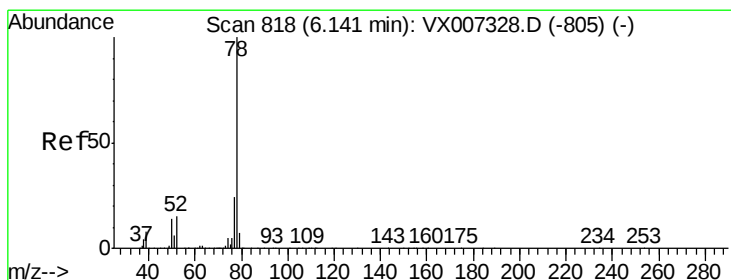
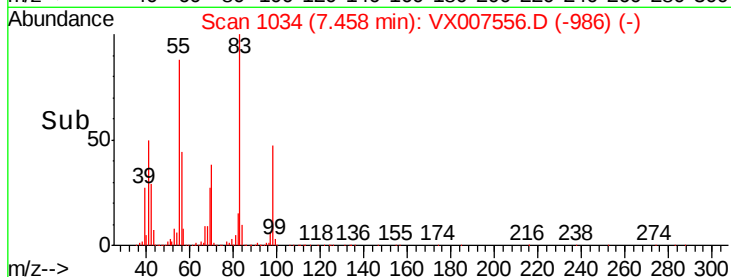
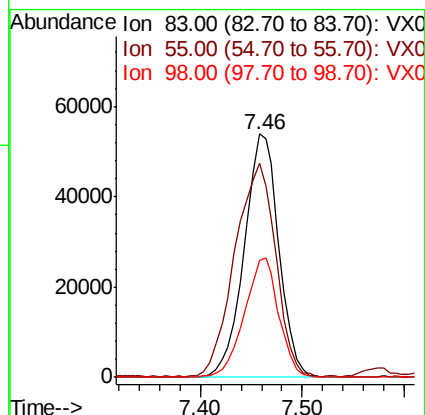
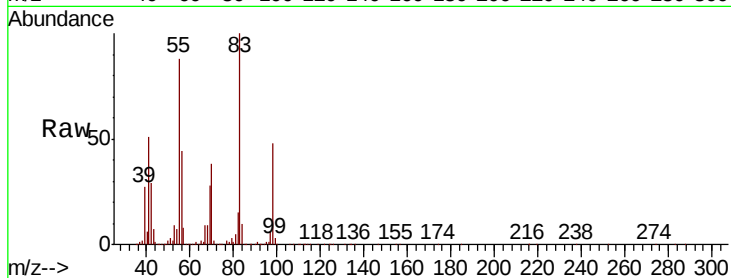




#39
Methvlcvclohexane
Concen: 14.200 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007556.D
Acq: 14 Feb 2019 19:55

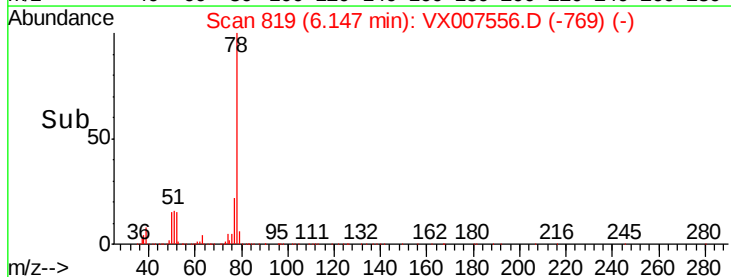
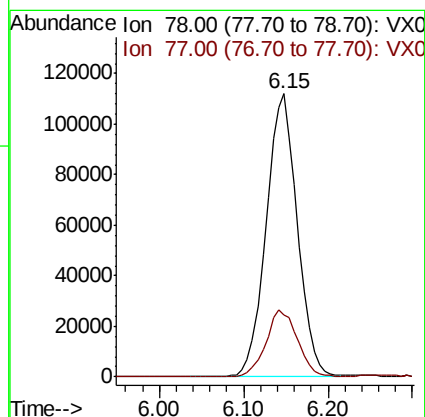
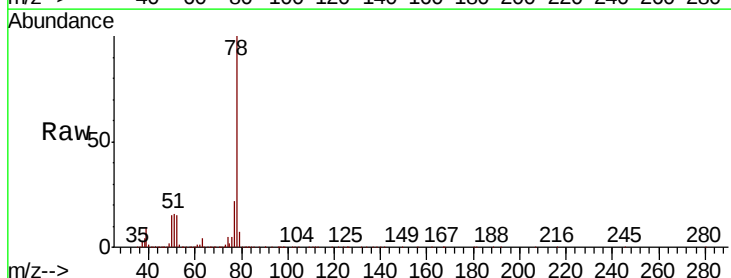
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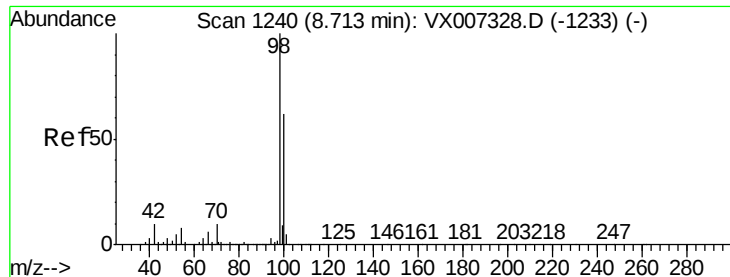
Tot Ion: 83 Resp: 127417
Ion Ratio Lower Upper
83 100
55 87.6 56.2 84.2#
98 48.1 36.8 55.2



#40
Benzene
Concen: 13.085 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007556.D
Acq: 14 Feb 2019 19:55

Tgt Ion: 78 Resp: 285853
Ion Ratio Lower Upper
78 100
77 21.9 19.3 28.9





#50

Toluene-d8

Concen: 49.792 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007556.D

Acq: 14 Feb 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

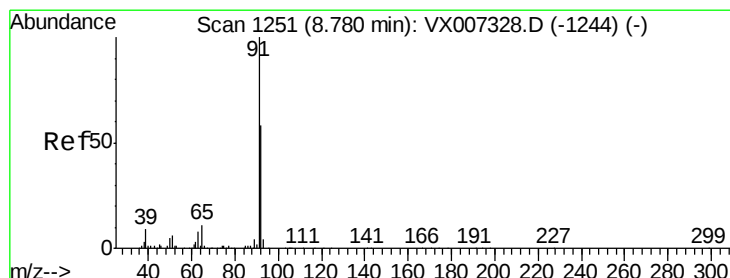
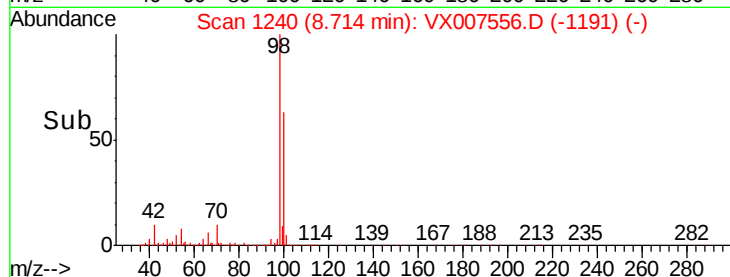
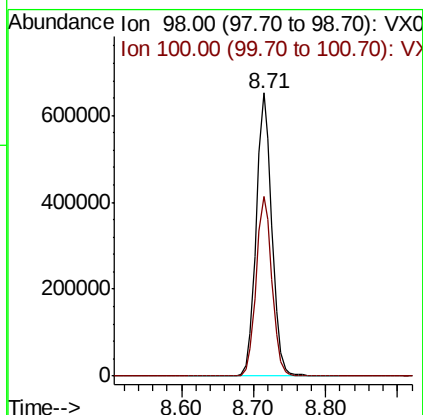
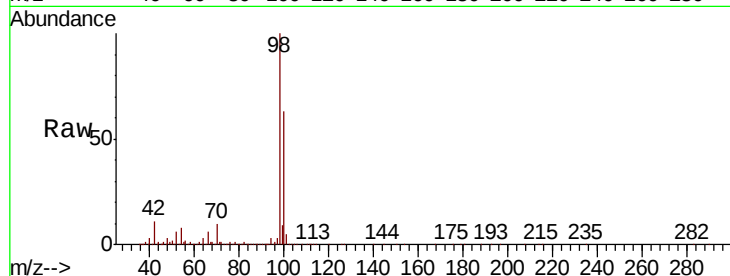
KY001MW029-190212

Tot Ion: 98 Resp: 993563

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#52

Toluene

Concen: 1.138 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007556.D

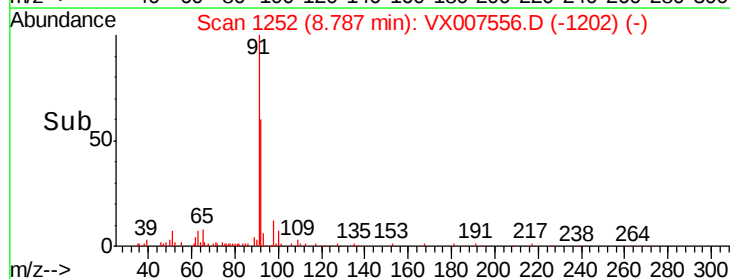
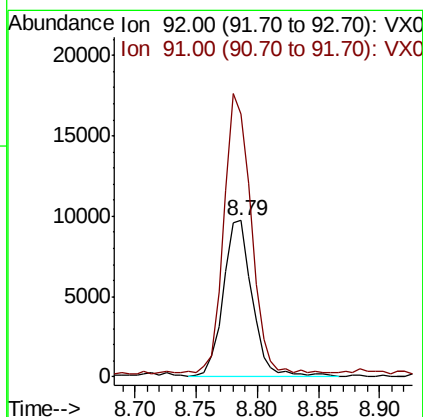
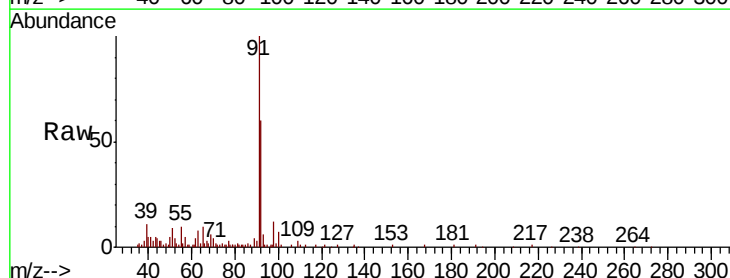
Acq: 14 Feb 2019 19:55

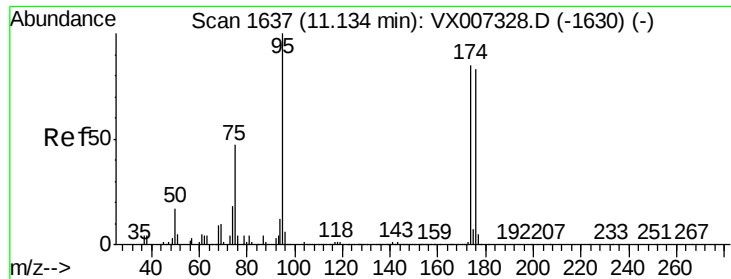
Tgt Ion: 92 Resp: 16046

Ion Ratio Lower Upper

92 100

91 165.0 139.1 208.7

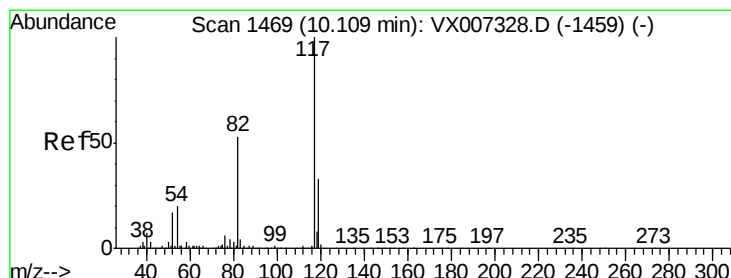
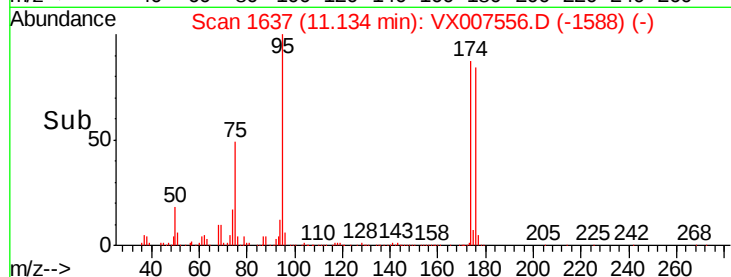
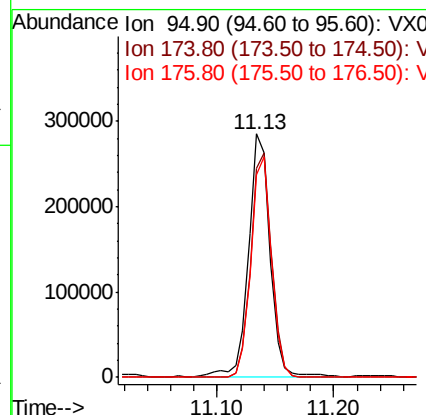
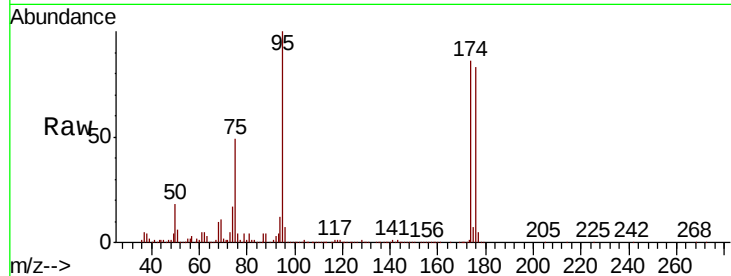




#62
4-Bromofluorobenzene
Concen: 50.677 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007556.D
Acq: 14 Feb 2019 19:55

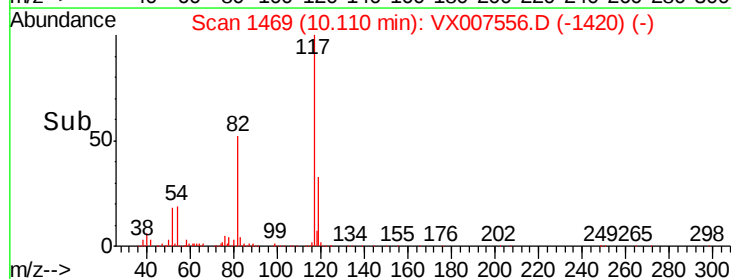
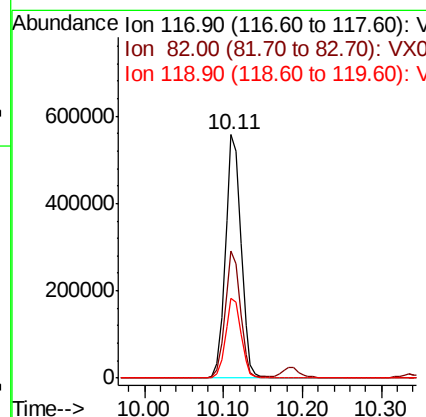
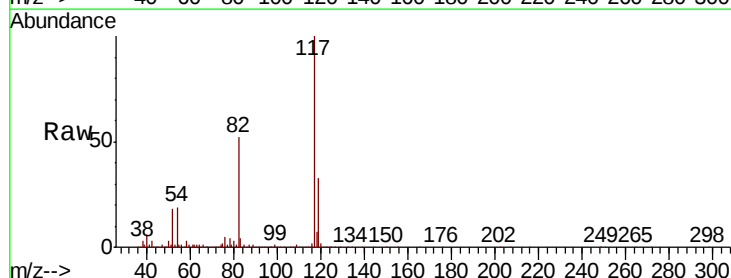
Instrument :
MSVOA_X
ClientSampleId :
KY001MW029-190212

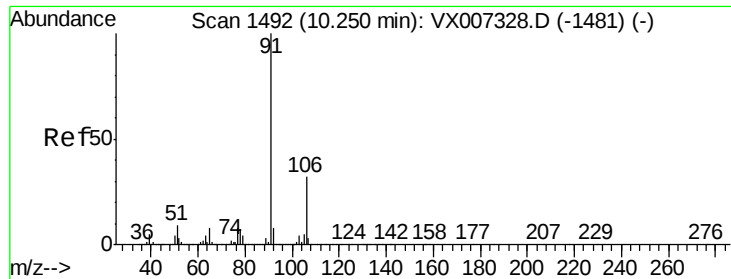
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	189.2
176	86.8	0.0	186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007556.D
Acq: 14 Feb 2019 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.1	63.1
119	32.6	26.5	39.7





#67

Ethyl Benzene

Concen: 5.064 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007556.D

Acq: 14 Feb 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

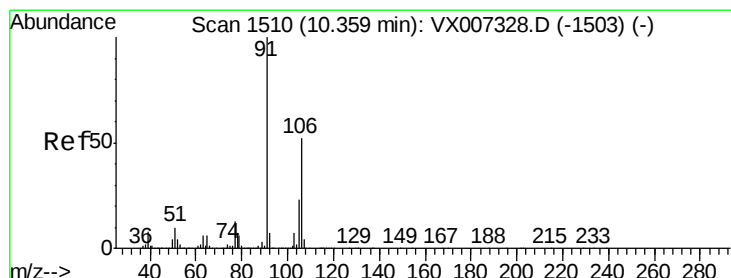
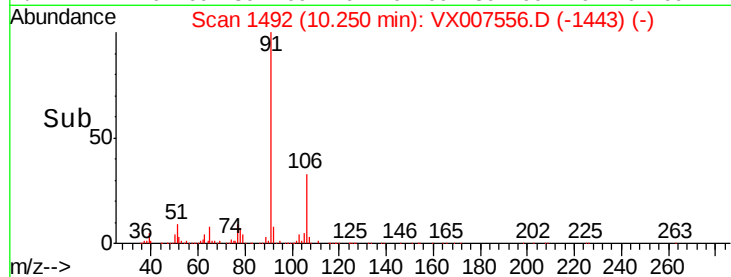
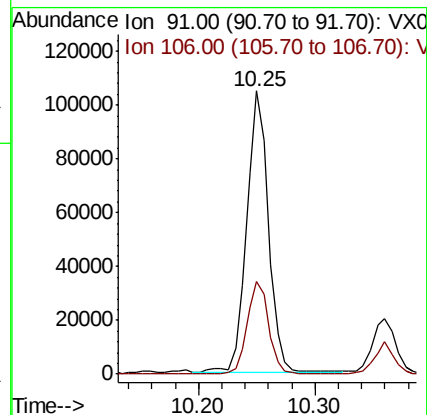
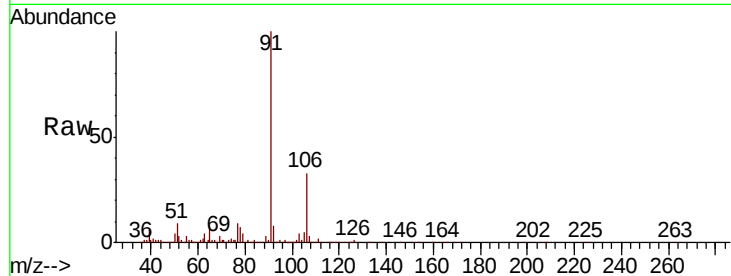
KY001MW029-190212

Tot Ion: 91 Resp: 136997

Ion Ratio Lower Upper

91 100

106 32.8 25.4 38.0



#68

m/p-Xylenes

Concen: 1.323 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007556.D

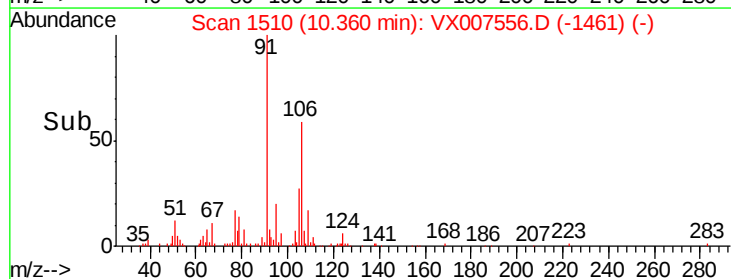
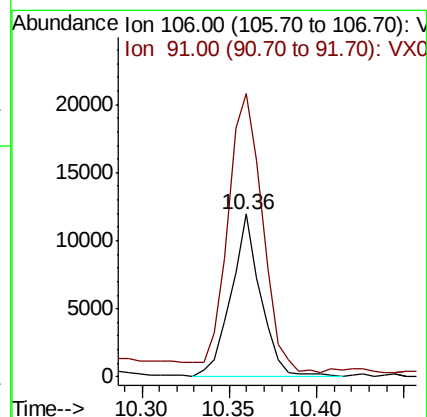
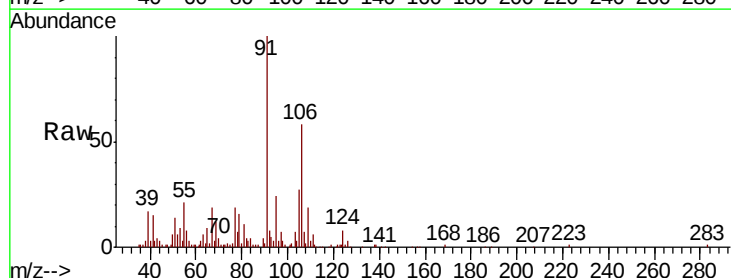
Acq: 14 Feb 2019 19:55

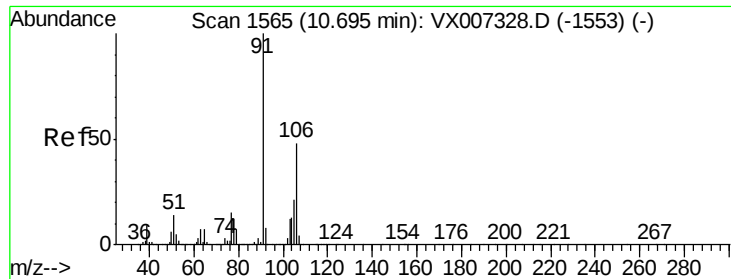
Tgt Ion: 106 Resp: 14228

Ion Ratio Lower Upper

106 100

91 199.1 156.6 234.8

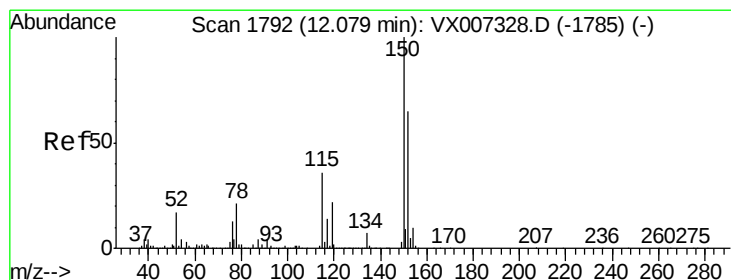
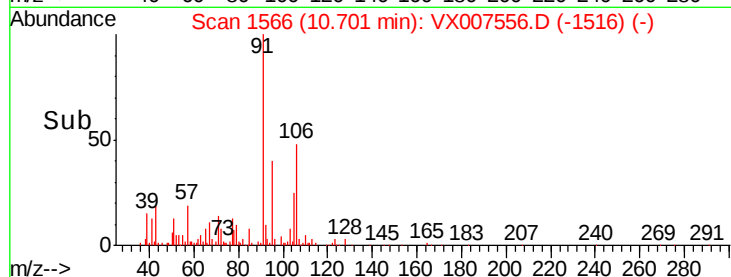
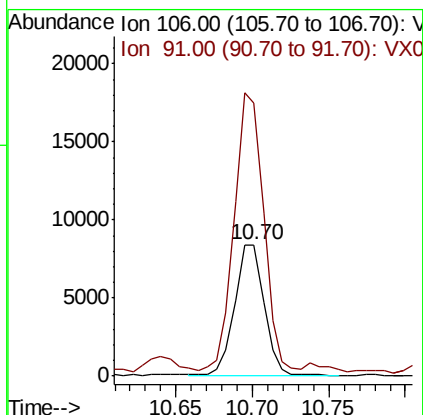
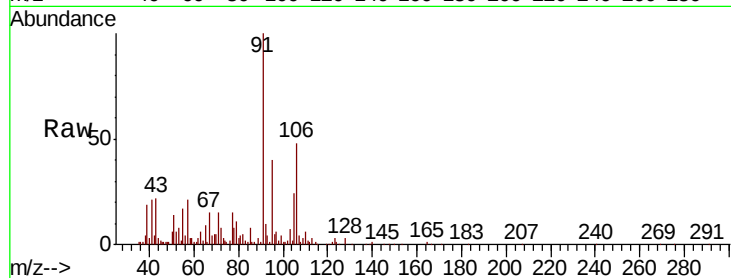




#69
o-Xylene
Concen: 1.104 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007556.D
Acq: 14 Feb 2019 19:55

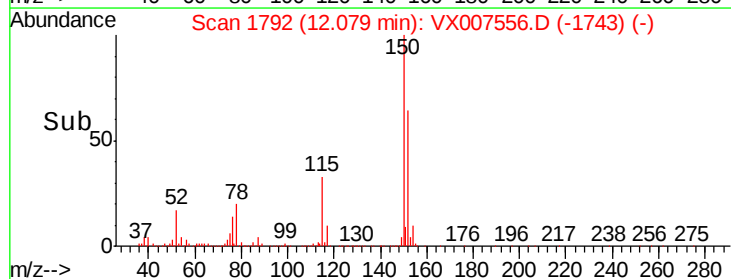
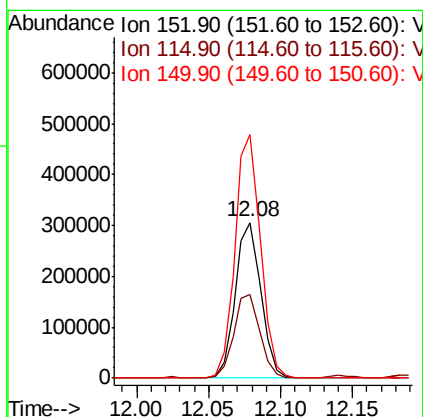
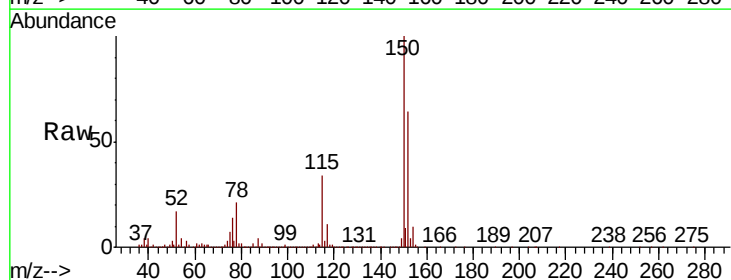
Instrument :
MSVOA_X
ClientSampleId :
KY001MW029-190212

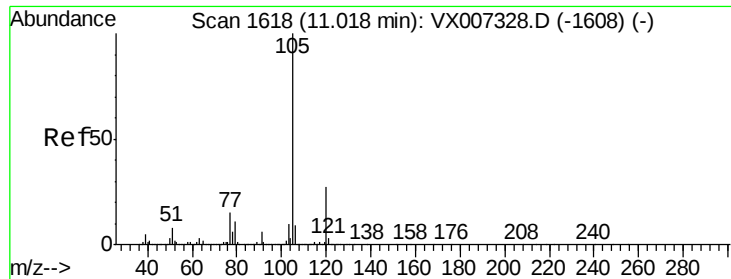
Tot Ion:106 Resp: 11424
Ion Ratio Lower Upper
106 100
91 210.8 102.9 308.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007556.D
Acq: 14 Feb 2019 19:55

Tgt Ion:152 Resp: 378252
Ion Ratio Lower Upper
152 100
115 0.0 38.0 114.0#
150 156.6 0.0 346.4





#73

Isopropylbenzene

Concen: 397.689 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007556.D

Acq: 14 Feb 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

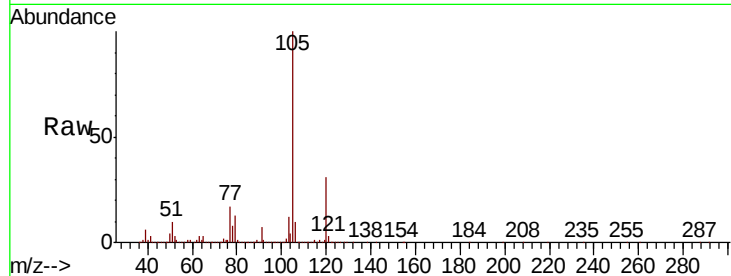
KY001MW029-190212

Tot Ion:105 Resp:10222283

Ion Ratio Lower Upper

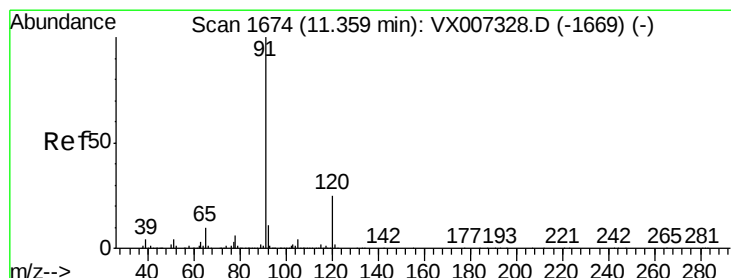
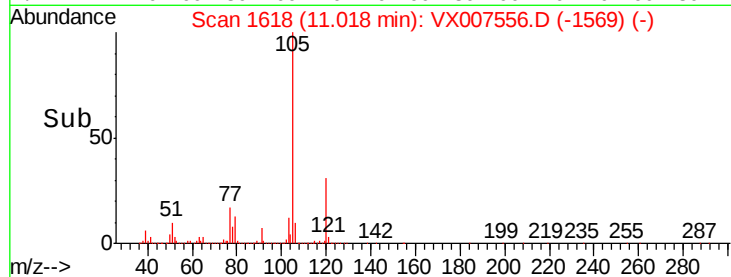
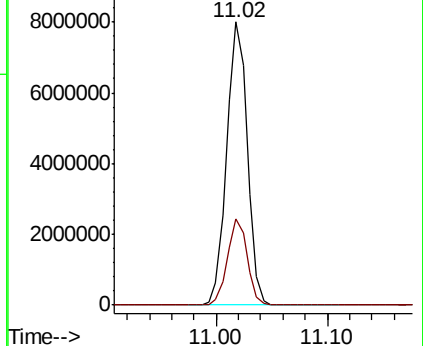
105 100

120 29.2 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: 346.414 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007556.D

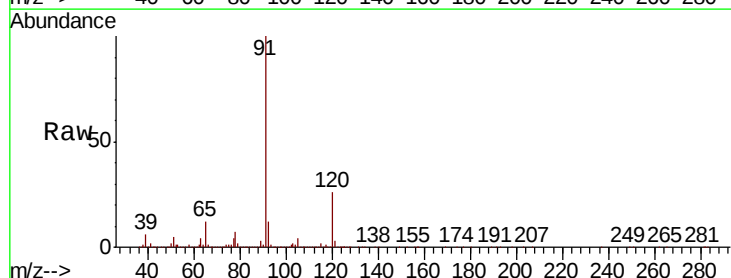
Acq: 14 Feb 2019 19:55

Tgt Ion: 91 Resp: 9764144

Ion Ratio Lower Upper

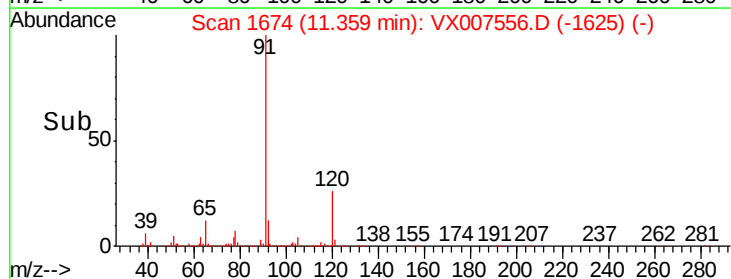
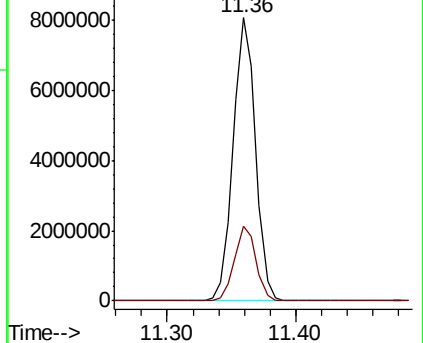
91 100

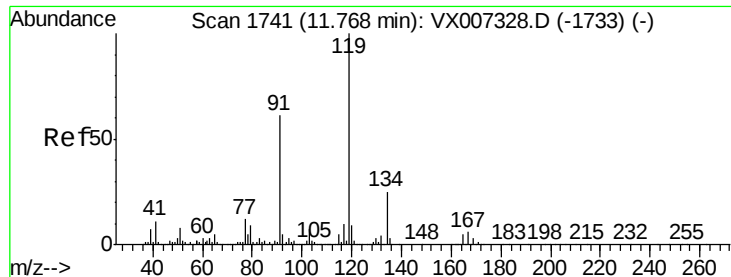
120 25.6 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 12.817 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007556.D

Acq: 14 Feb 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

KY001MW029-190212

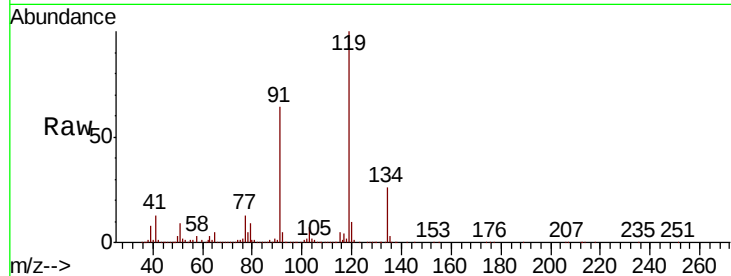
Tot Ion:119 Resp: 266858

Ion Ratio Lower Upper

119 100

91 62.9 28.5 85.6

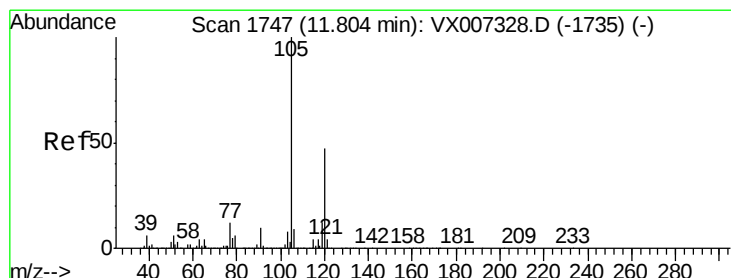
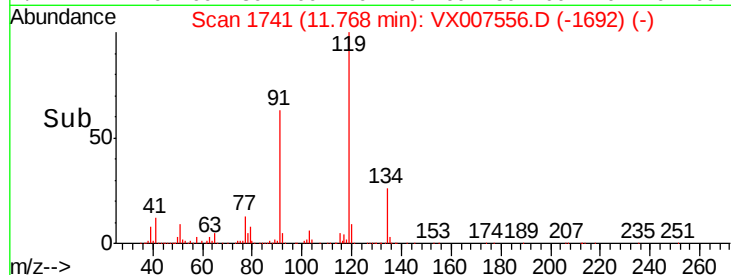
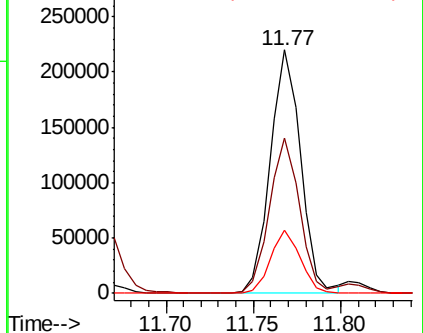
134 25.5 12.0 36.0



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: 4.864 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007556.D

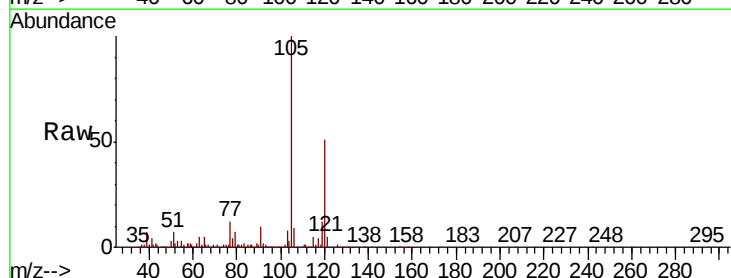
Acq: 14 Feb 2019 19:55

Tgt Ion:105 Resp: 103852

Ion Ratio Lower Upper

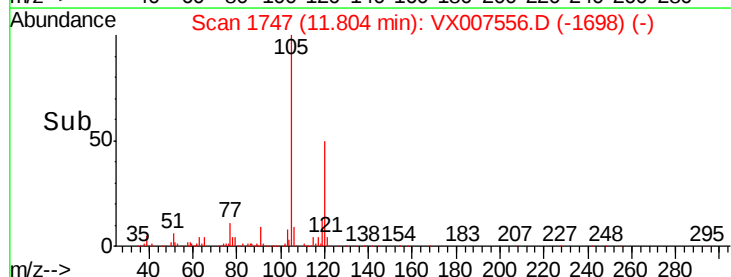
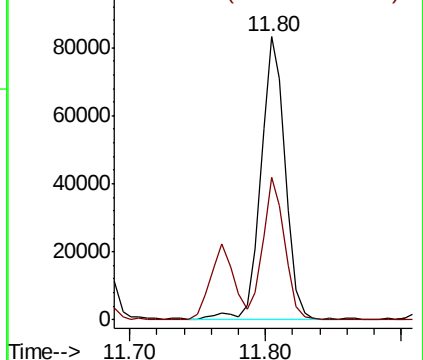
105 100

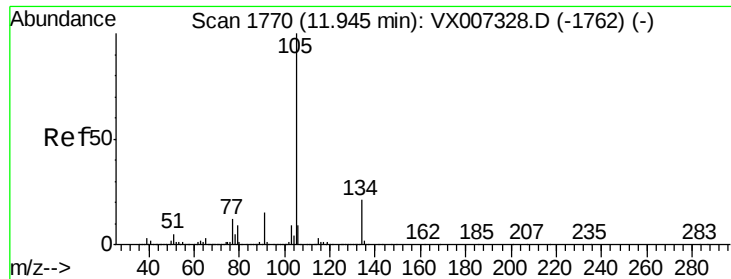
120 45.4 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

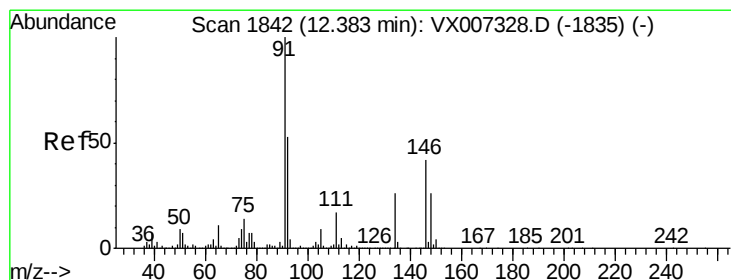
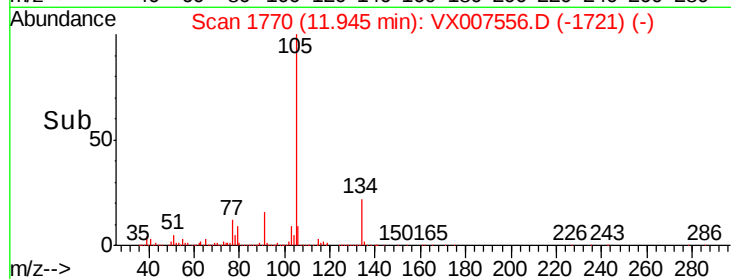
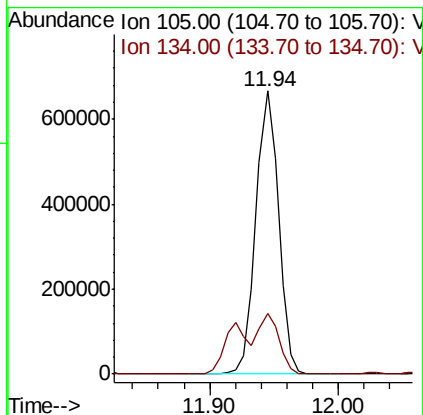
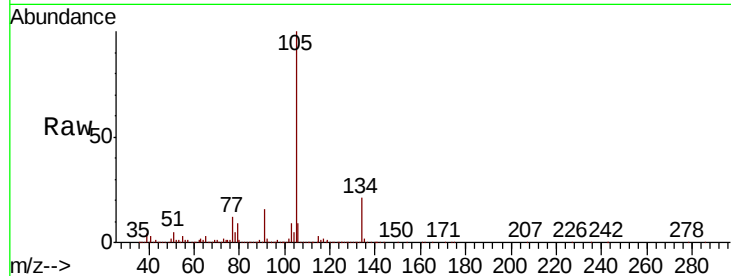




#85
 sec-Butylbenzene
 Concen: 31.916 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007556.D
 Acq: 14 Feb 2019 19:55

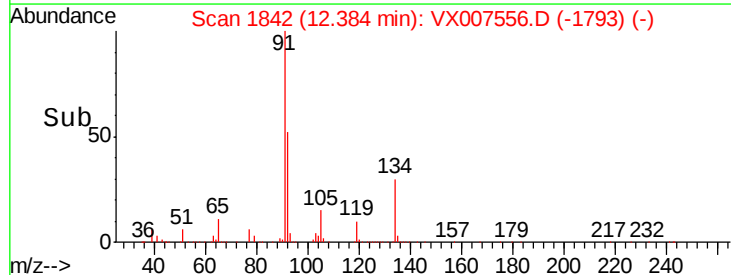
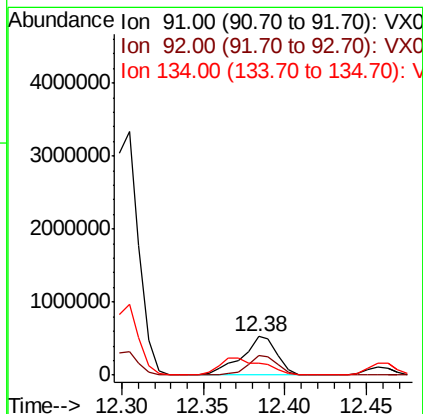
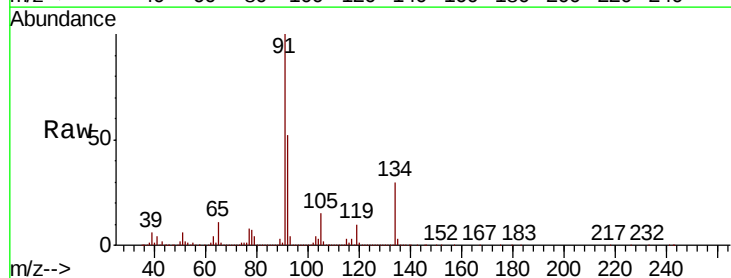
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW029-190212

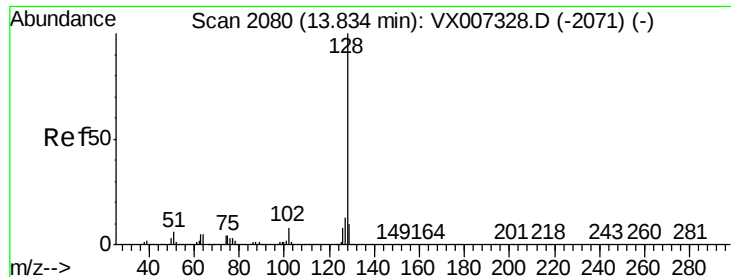
Tot Ion:105 Resp: 804260
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.6 31.8



#89
 n-Butylbenzene
 Concen: 40.947 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX007556.D
 Acq: 14 Feb 2019 19:55

Tgt Ion: 91 Resp: 801249
 Ion Ratio Lower Upper
 91 100
 92 42.8 26.3 78.9
 134 54.9 13.9 41.6#





#95
Naphthalene
Concen: 5.911 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007556.D
Acq: 14 Feb 2019 19:55

Instrument :
MSVOA_X
ClientSampleId :
KY001MW029-190212

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	14.1	8.7	13.1

