

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
 Data File : VX007462.D
 Acq On : 11 Feb 2019 12:40
 Operator : JC/SP
 Sample : K1433-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207

Quant Time: Feb 12 12:13:39 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	507469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	786285	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	753284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	380097	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	266782	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	5.50	113	252807	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	8.71	98	957733	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	364698	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	

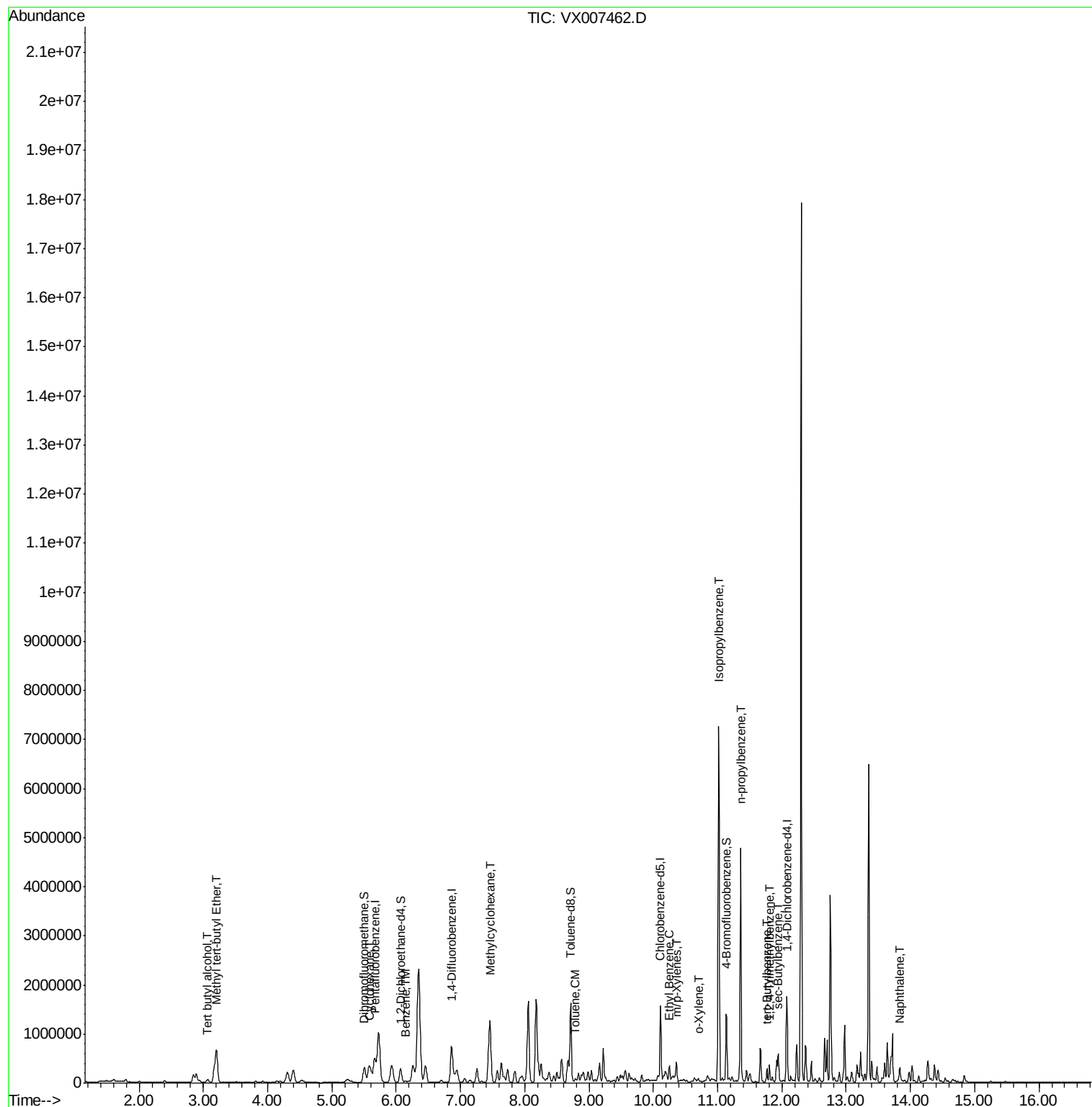
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	63505	56.970	ug/l #	73
19) Methyl tert-butyl Ether	3.20	73	712460	45.387	ug/l	94
31) Cyclohexane	5.57	56	243200	32.469	ug/l	98
39) Methylcyclohexane	7.46	83	546246	63.996	ug/l	90
40) Benzene	6.14	78	34355	1.653	ug/l	92
52) Toluene	8.78	92	19567	1.459	ug/l	94
67) Ethyl Benzene	10.25	91	182498	6.894	ug/l	99
68) m/p-Xylenes	10.36	106	82638	7.853	ug/l	98
69) o-Xylene	10.69	106	7088	0.700	ug/l	95
73) Isopropylbenzene	11.02	105	3731041	144.448	ug/l	99
78) n-propylbenzene	11.36	91	2783115	98.261	ug/l	99
83) tert-Butylbenzene	11.77	119	99087	4.736	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	152684	7.117	ug/l	100
85) sec-Butylbenzene	11.94	105	276378	10.915	ug/l	97
95) Naphthalene	13.83	128	190660	7.438	ug/l #	91

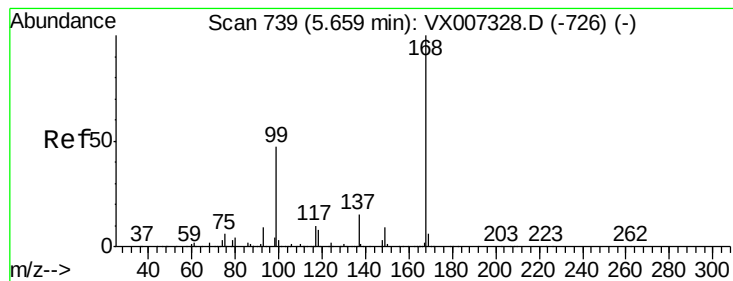
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007462.D

Acq: 11 Feb 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

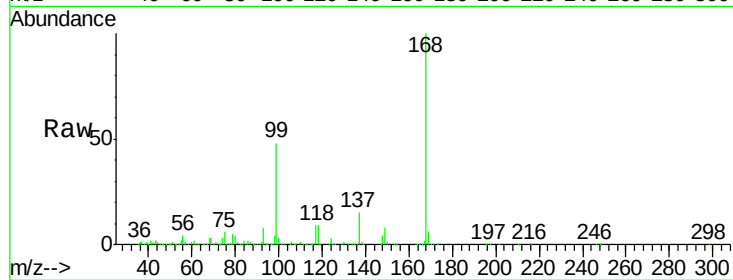
KY001MW020-190207

Tot Ion:168 Resp: 507469

Ion Ratio Lower Upper

168 100

99 48.2 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

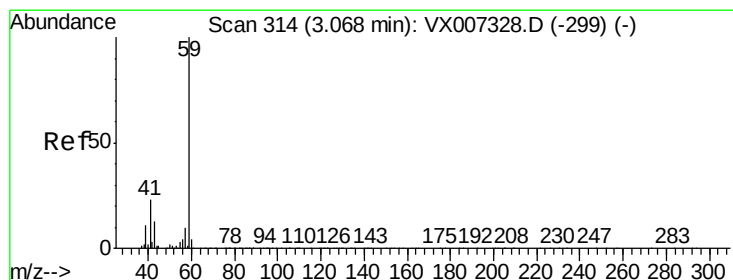
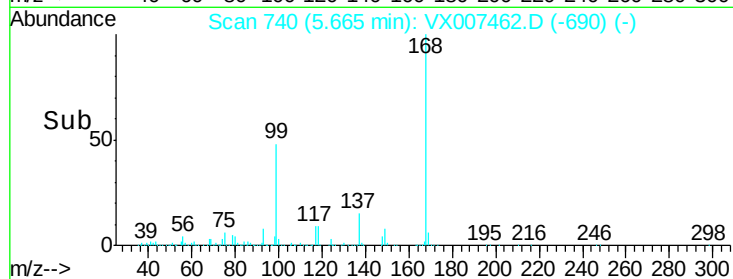
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 56.970 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.00 min

Lab File: VX007462.D

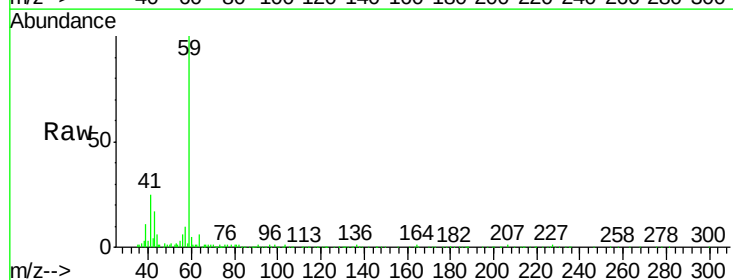
Acq: 11 Feb 2019 12:40

Tgt Ion: 59 Resp: 63505

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

100000

80000

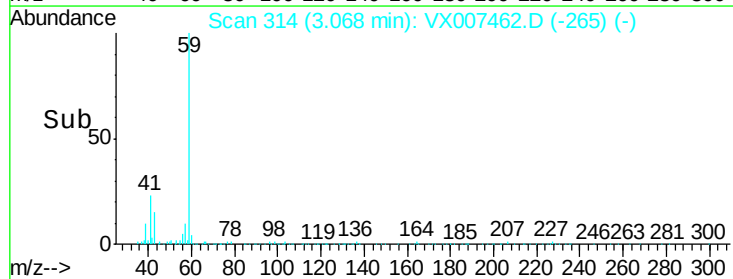
60000

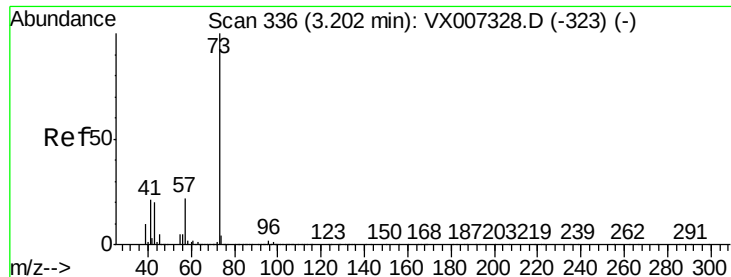
40000

20000

0

Time--> 3.00 3.10

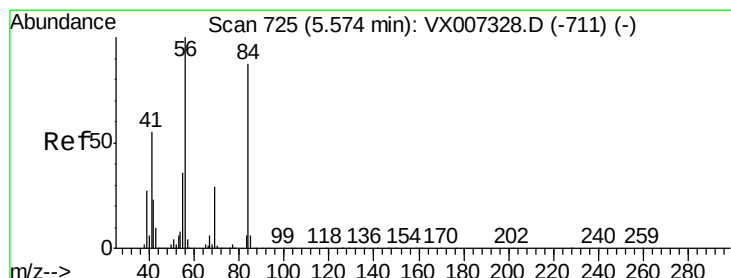
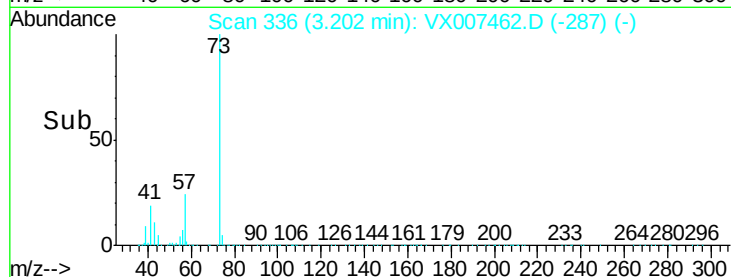
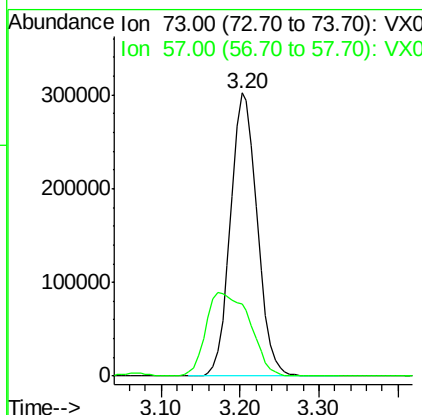
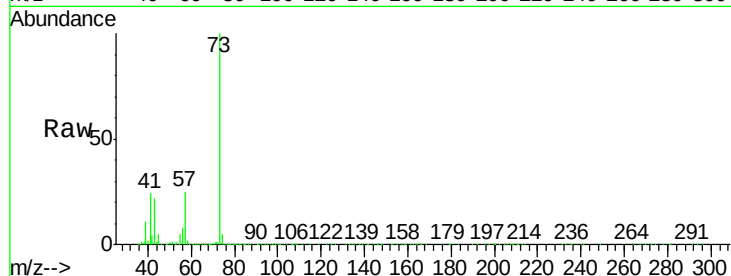




#19
Methyl tert-butyl Ether
Concen: 45.387 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

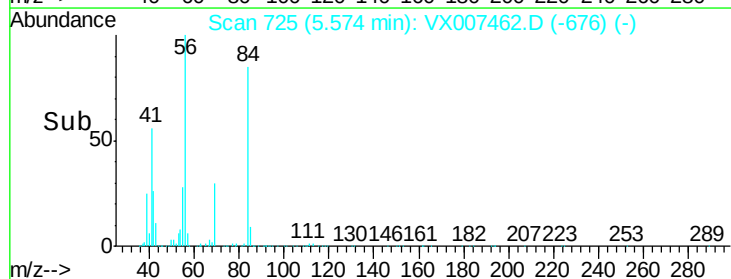
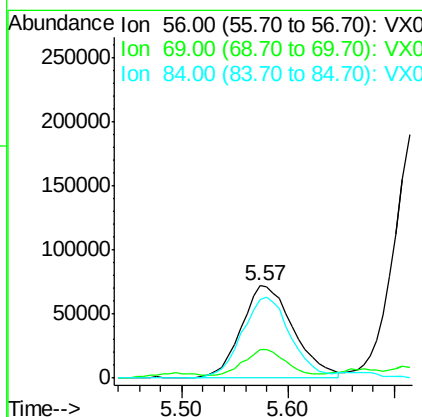
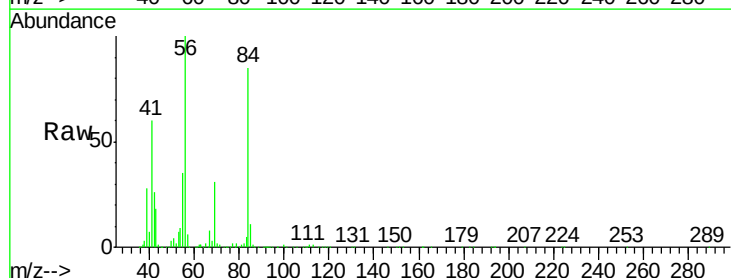
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207

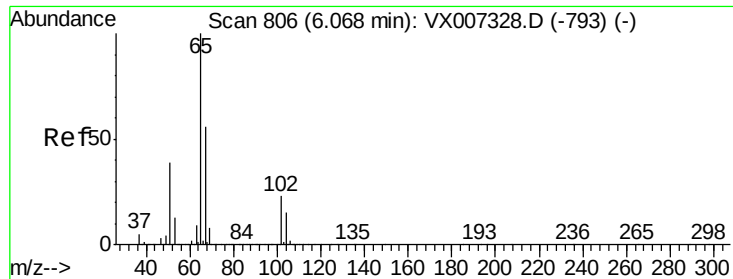
Tot Ion: 73 Resp: 712460
Ion Ratio Lower Upper
73 100
57 25.3 17.8 26.8



#31
Cyclohexane
Concen: 32.469 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

Tgt Ion: 56 Resp: 243200
Ion Ratio Lower Upper
56 100
69 26.7 23.0 34.6
84 85.4 69.8 104.6

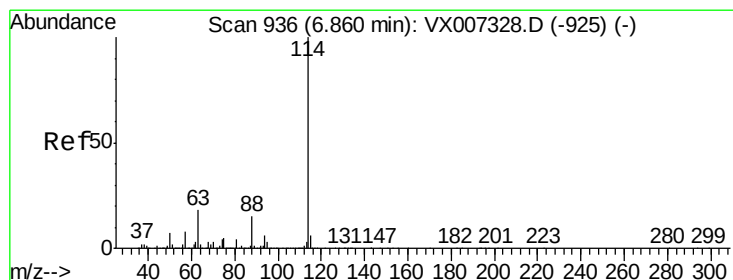
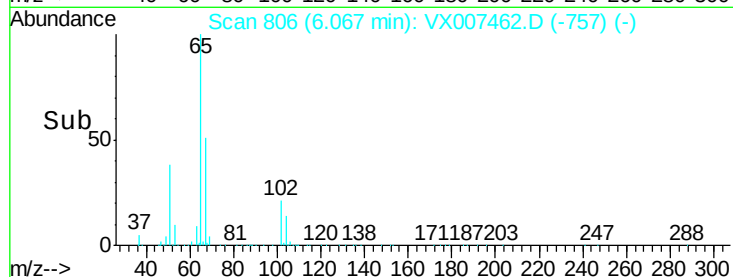
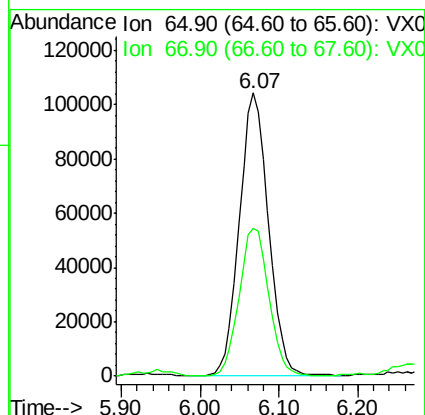
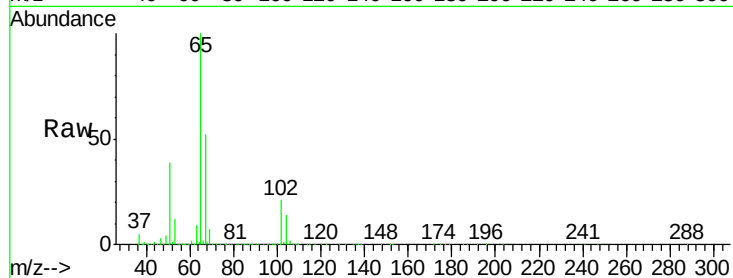




#33
 1,2-Dichloroethane-d4
 Concen: 49.529 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007462.D
 Acq: 11 Feb 2019 12:40

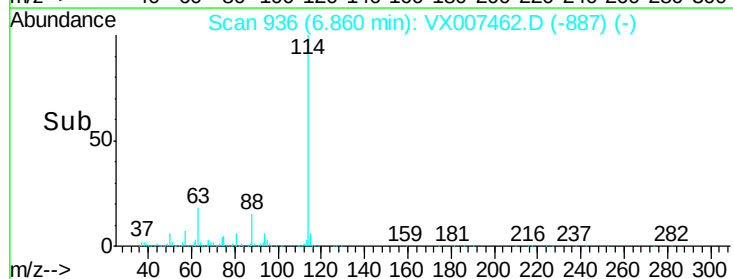
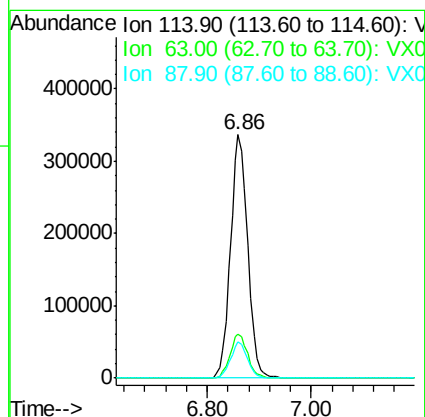
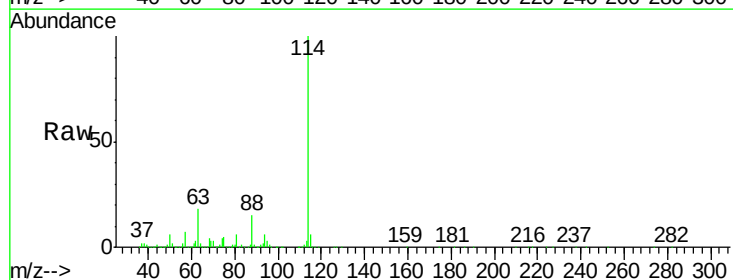
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-190207

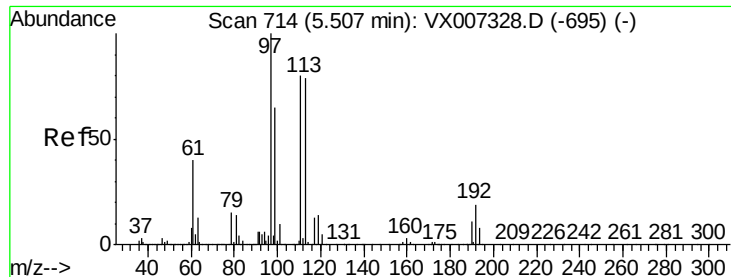
Tot Ion: 65 Resp: 266782
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007462.D
 Acq: 11 Feb 2019 12:40

Tgt Ion: 114 Resp: 786285
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 15.1 0.0 29.6

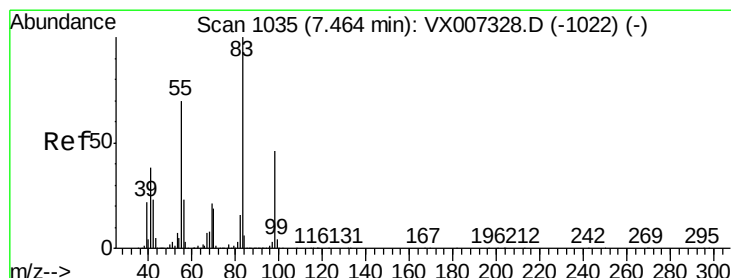
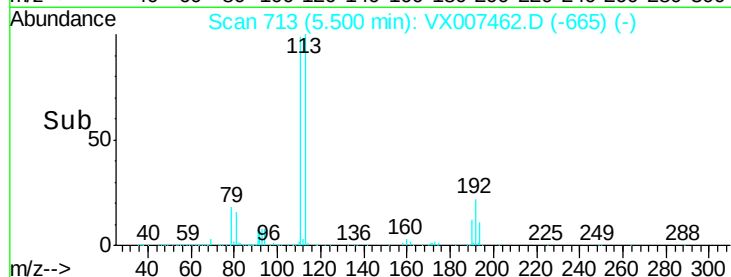
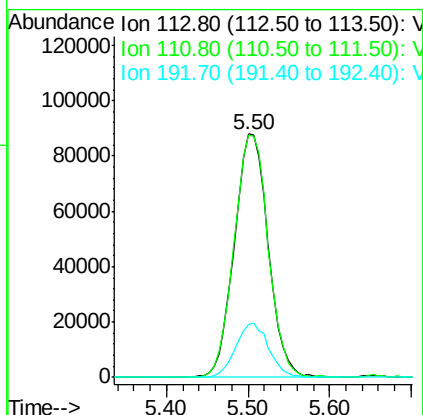
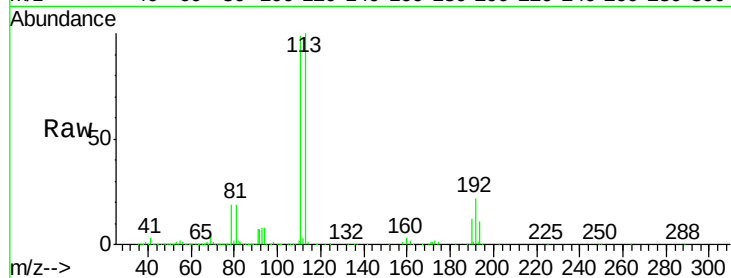




#35
Dibromofluoromethane
Concen: 49.414 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

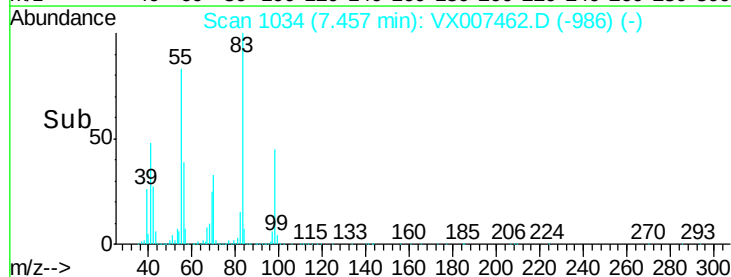
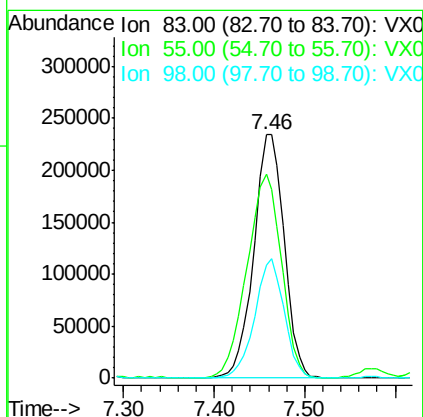
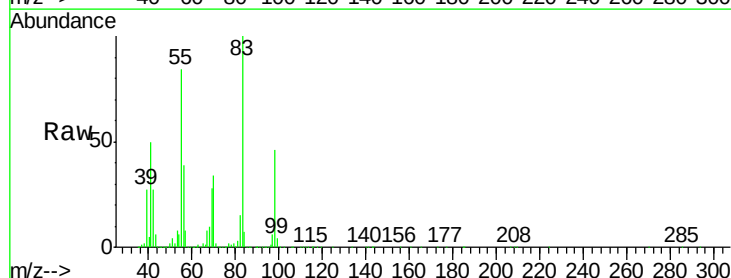
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207

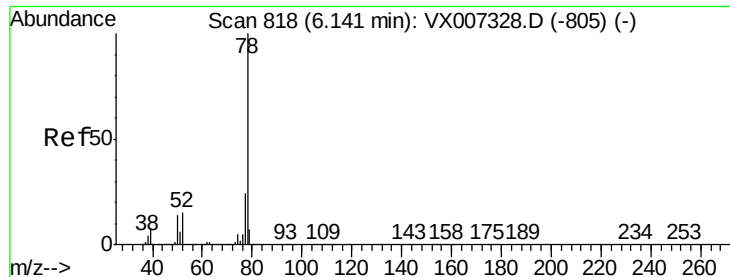
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.8	122.8
192	21.8	18.5	27.7



#39
Methylcyclohexane
Concen: 63.996 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.9	56.2	84.2
98	46.3	36.8	55.2





#40

Benzene

Concen: 1.653 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX007462.D

Acq: 11 Feb 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

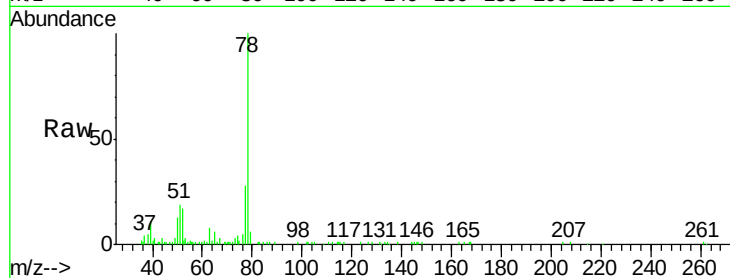
KY001MW020-190207

Tot Ion: 78 Resp: 34355

Ion Ratio Lower Upper

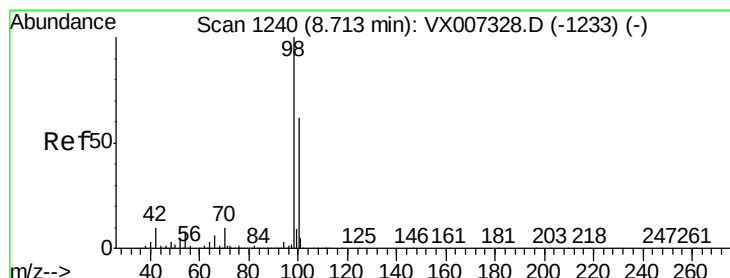
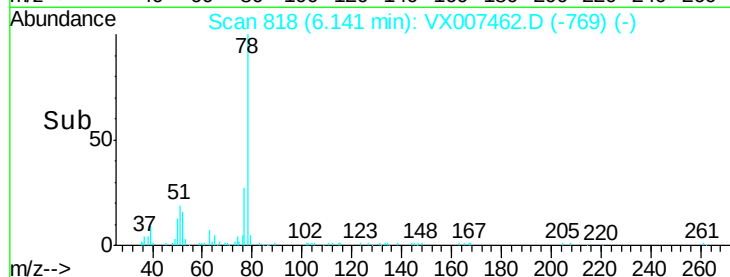
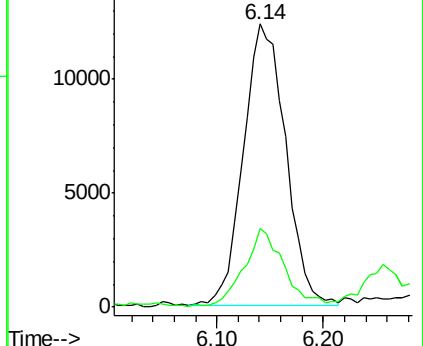
78 100

77 28.0 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: 50.456 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007462.D

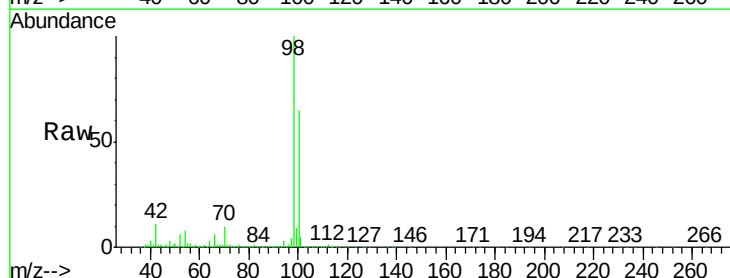
Acq: 11 Feb 2019 12:40

Tgt Ion: 98 Resp: 957733

Ion Ratio Lower Upper

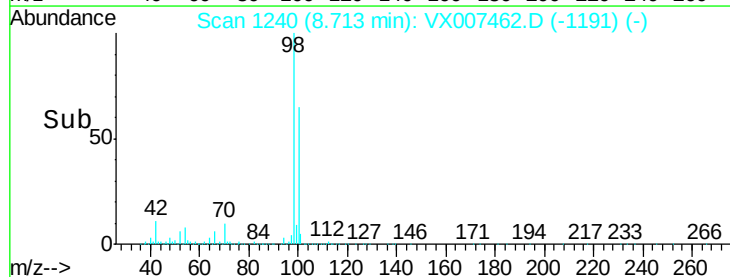
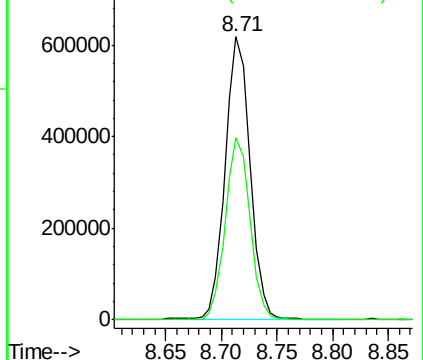
98 100

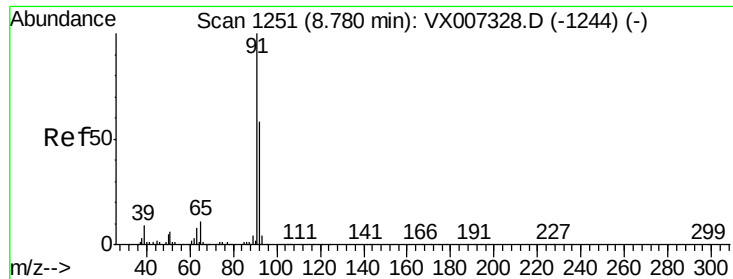
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 1.459 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007462.D

Acq: 11 Feb 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

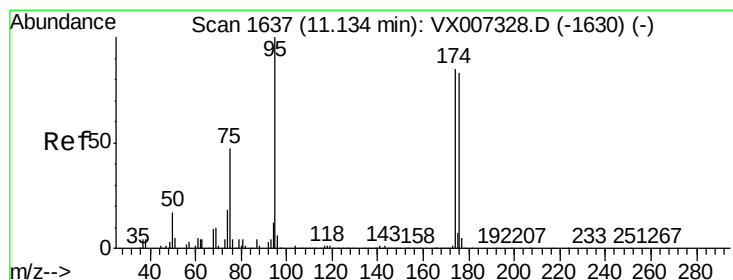
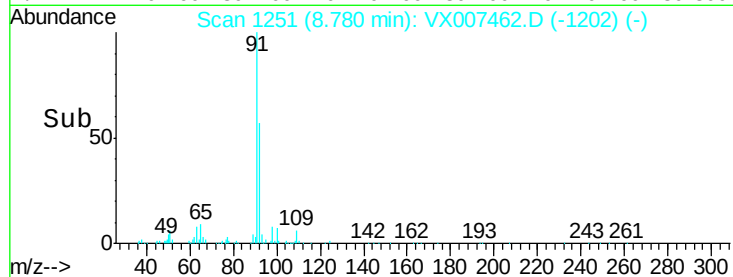
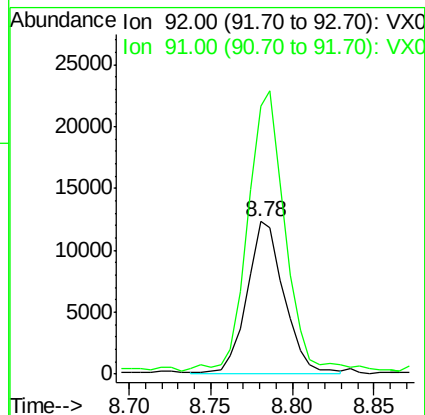
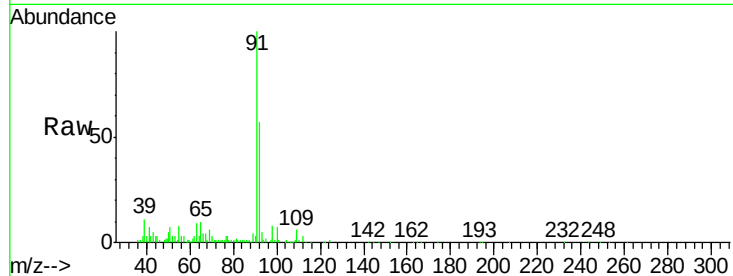
KY001MW020-190207

Tot Ion: 92 Resp: 19567

Ion Ratio Lower Upper

92 100

91 182.5 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 52.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007462.D

Acq: 11 Feb 2019 12:40

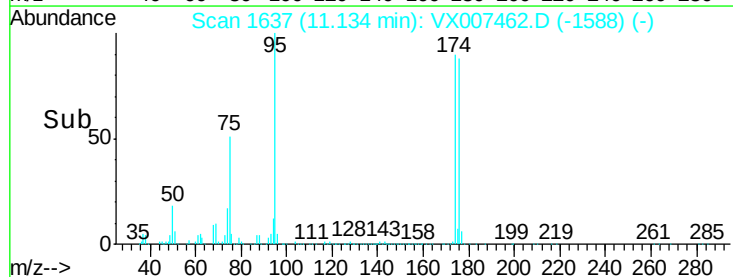
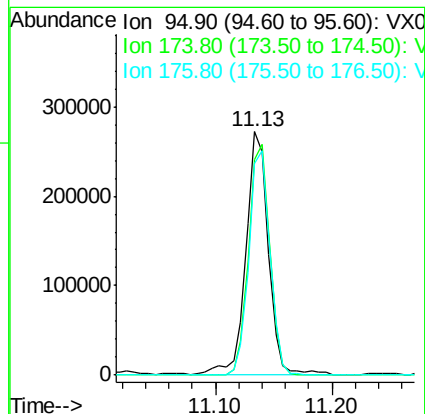
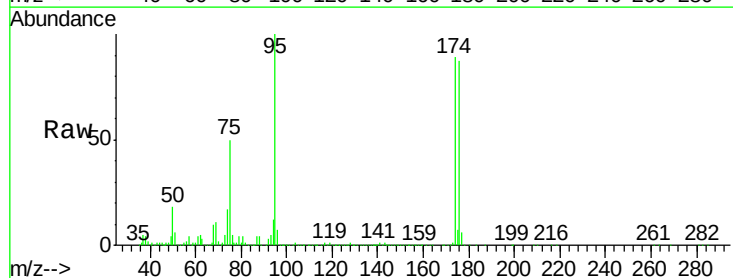
Tgt Ion: 95 Resp: 364698

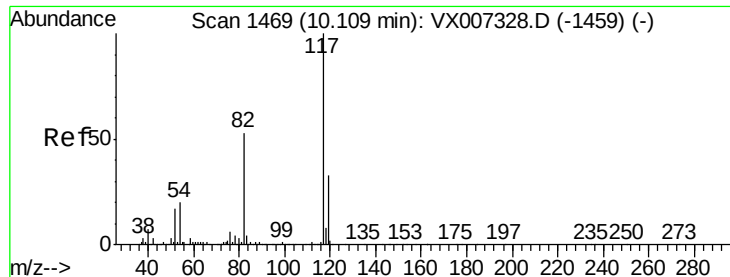
Ion Ratio Lower Upper

95 100

174 90.6 0.0 189.2

176 87.8 0.0 186.2

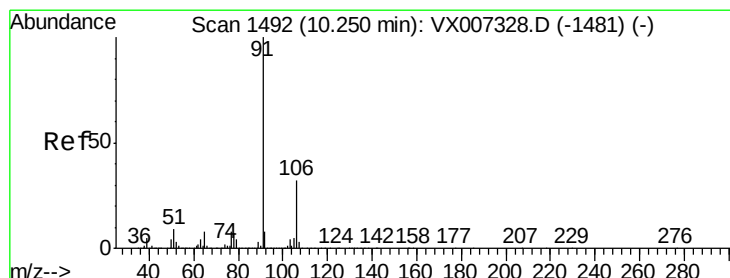
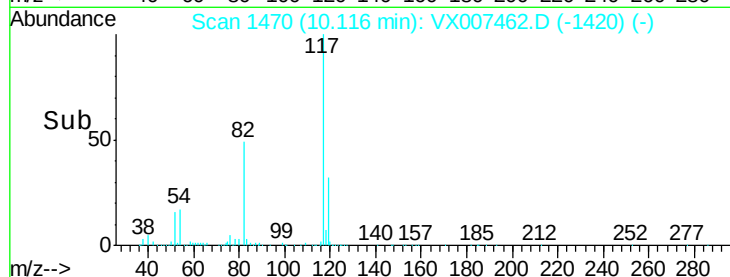
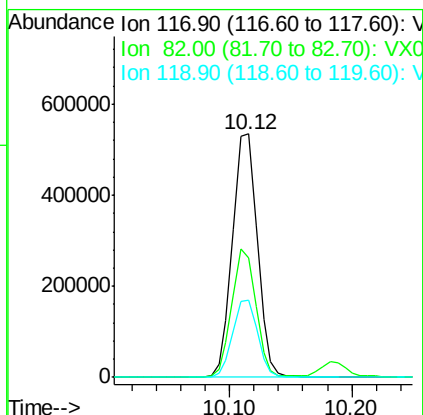
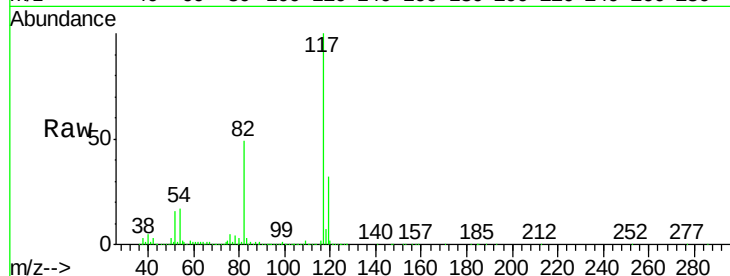




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

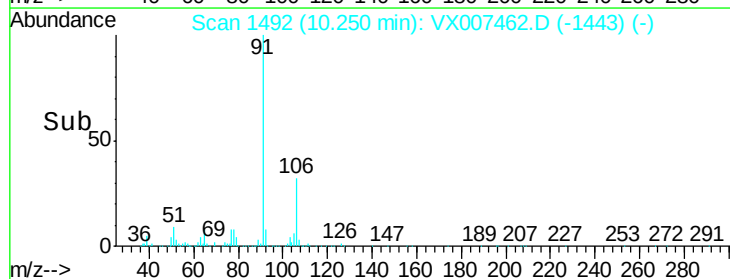
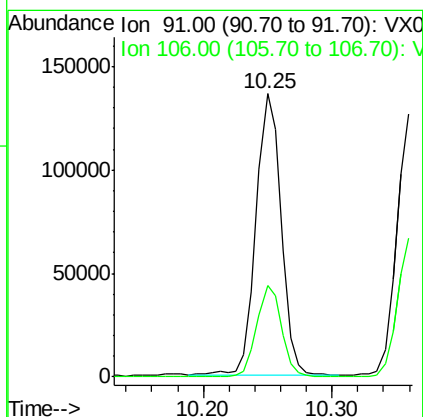
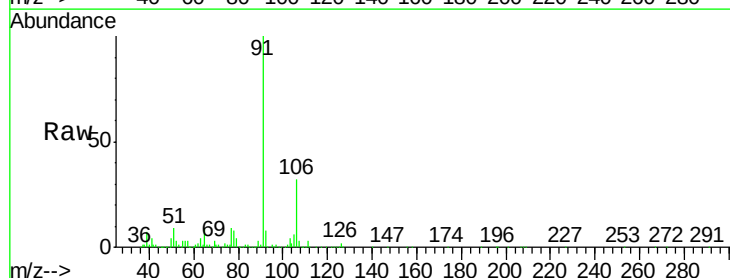
Instrument :
MSVOA_X
ClientSampleId :
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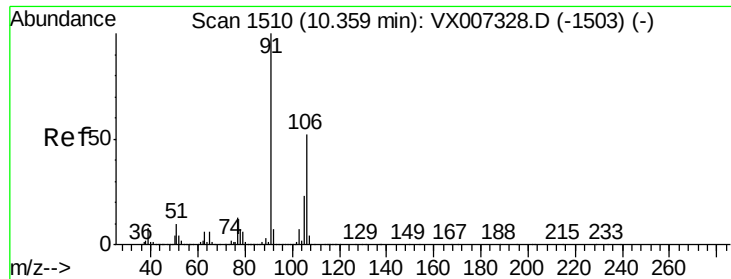
Tot Ion:117 Resp: 753284
Ion Ratio Lower Upper
117 100
82 49.0 42.1 63.1
119 32.0 26.5 39.7



#67
Ethyl Benzene
Concen: 6.894 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

Tgt Ion: 91 Resp: 182498
Ion Ratio Lower Upper
91 100
106 32.5 25.4 38.0

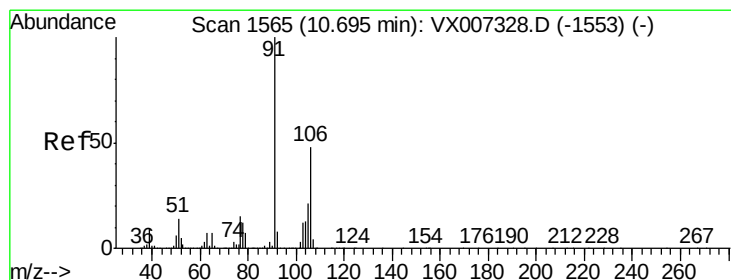
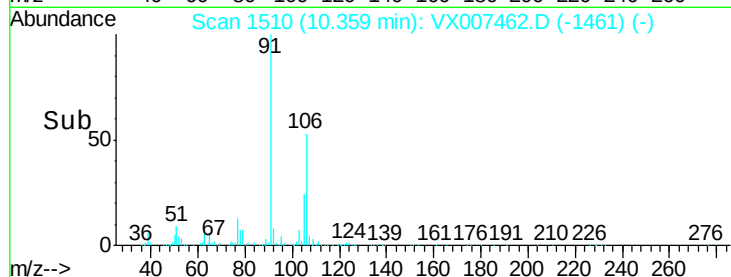
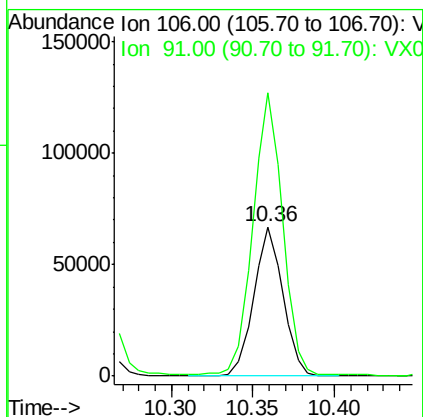
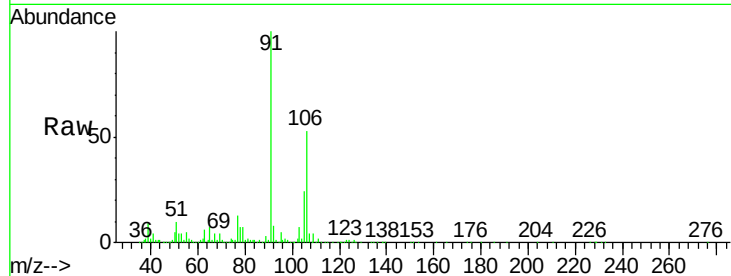




#68
m/p-Xylenes
Concen: 7.853 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

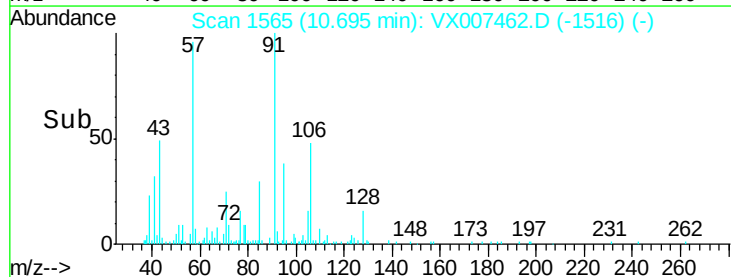
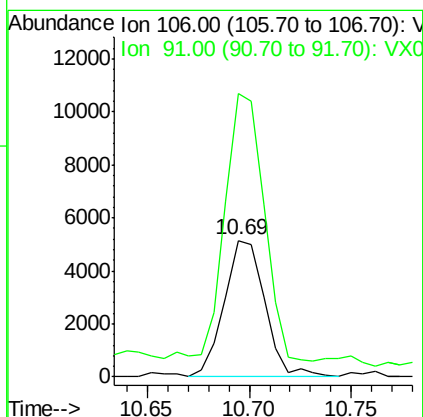
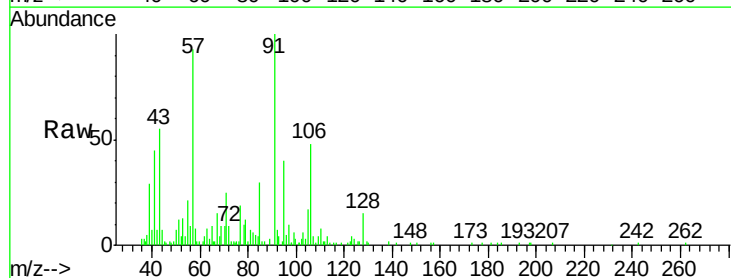
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207

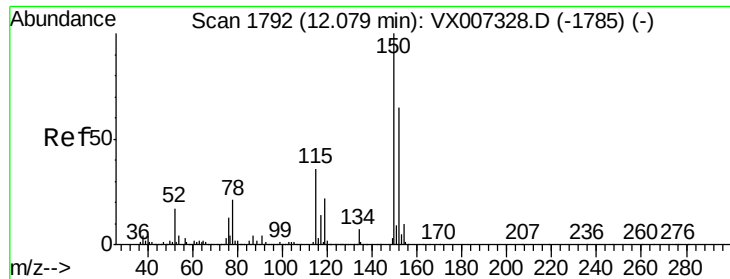
Tot Ion:106 Resp: 82638
Ion Ratio Lower Upper
106 100
91 193.1 156.6 234.8



#69
o-Xylene
Concen: 0.700 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

Tgt Ion:106 Resp: 7088
Ion Ratio Lower Upper
106 100
91 198.8 102.9 308.7



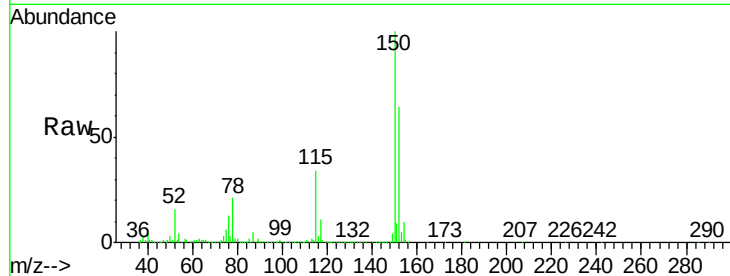


#72

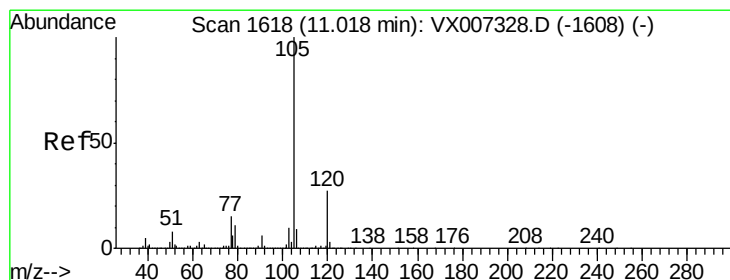
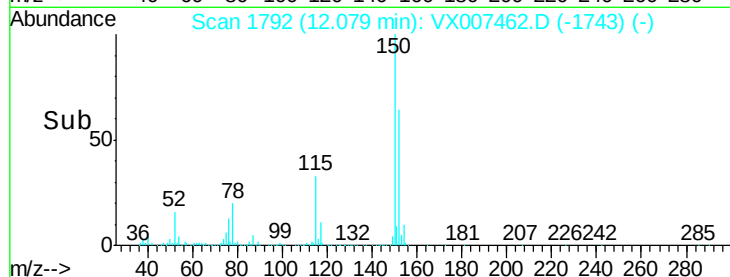
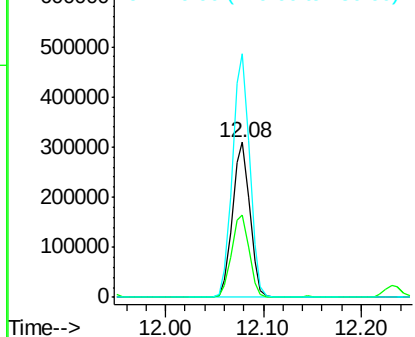
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207

Tot Ion:152 Resp: 380097
Ion Ratio Lower Upper
152 100
115 53.9 38.0 114.0
150 156.1 0.0 346.4



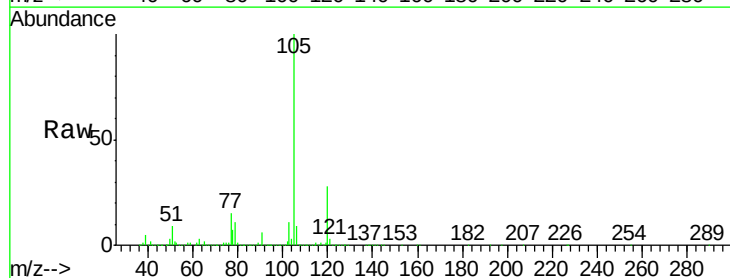
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



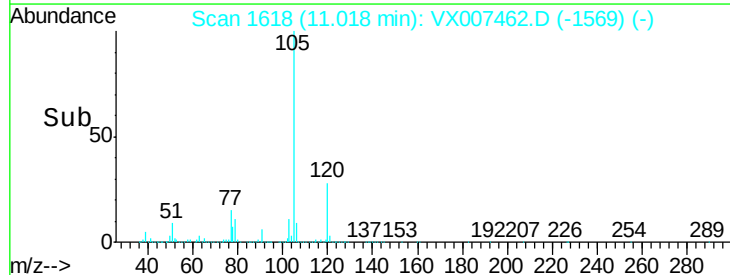
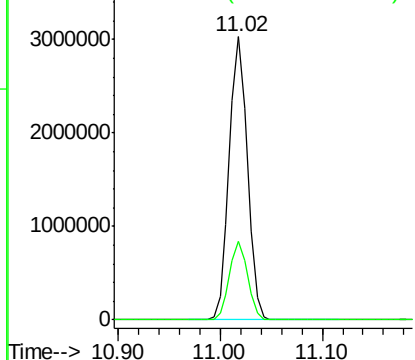
#73

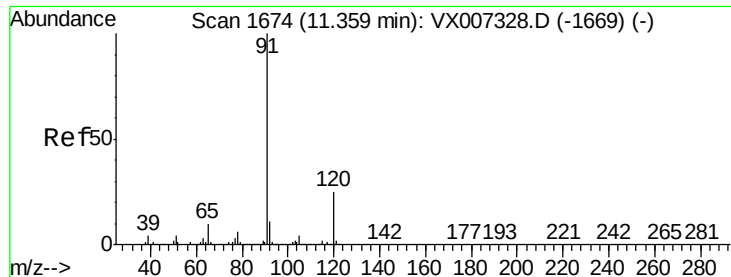
Isopropylbenzene
Concen: 144.448 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

Tgt Ion:105 Resp: 3731041
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: 98.261 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007462.D

Acq: 11 Feb 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

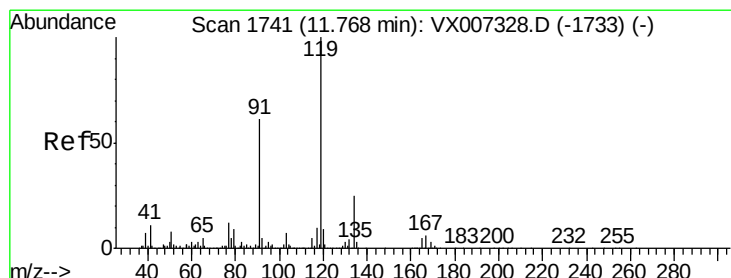
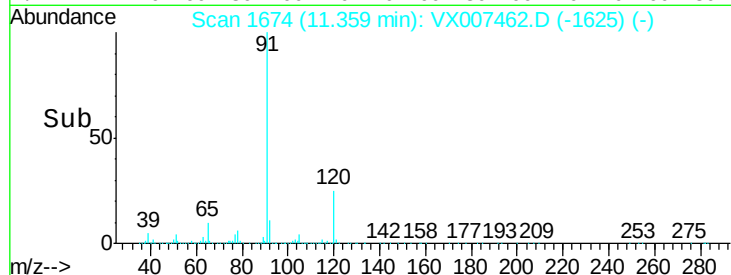
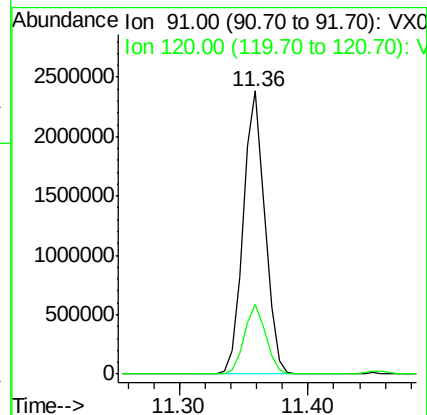
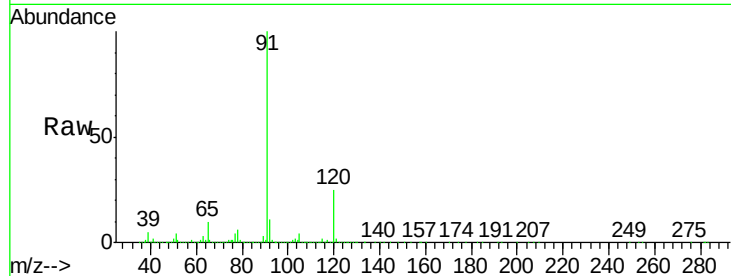
KY001MW020-190207

Tot Ion: 91 Resp: 2783115

Ion Ratio Lower Upper

91 100

120 24.4 12.4 37.2



#83

tert-Butylbenzene

Concen: 4.736 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007462.D

Acq: 11 Feb 2019 12:40

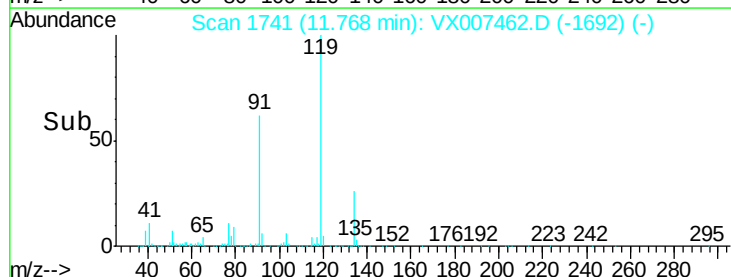
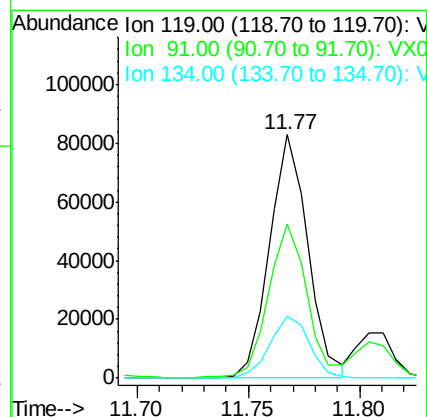
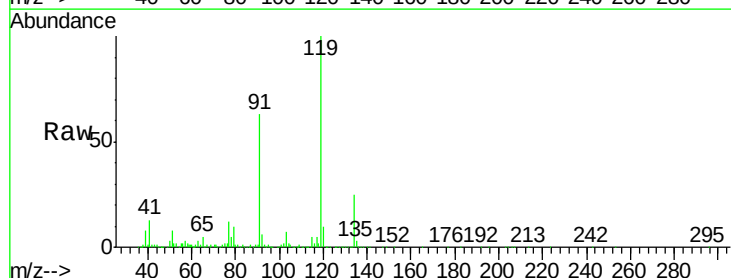
Tgt Ion: 119 Resp: 99087

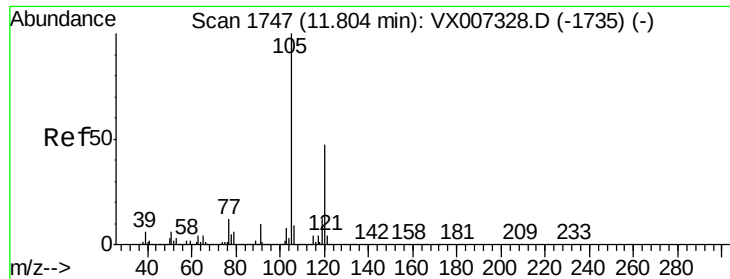
Ion Ratio Lower Upper

119 100

91 63.4 28.5 85.6

134 26.2 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 7.117 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007462.D

Acq: 11 Feb 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

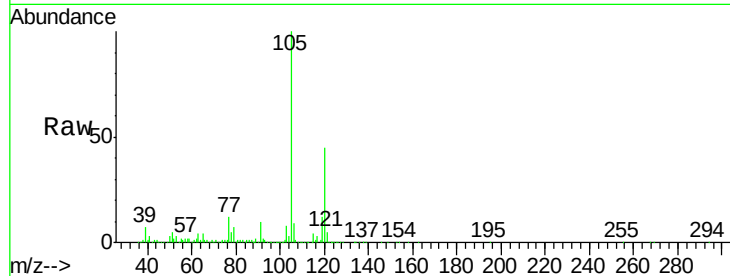
KY001MW020-190207

Tot Ion:105 Resp: 152684

Ion Ratio Lower Upper

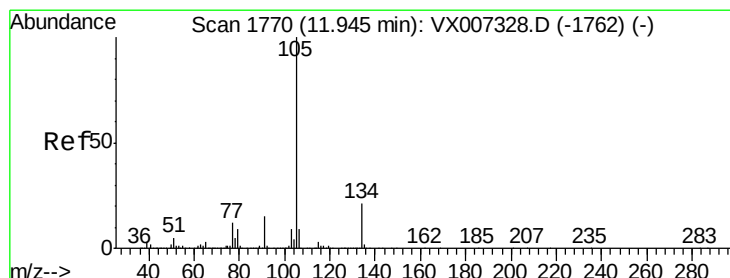
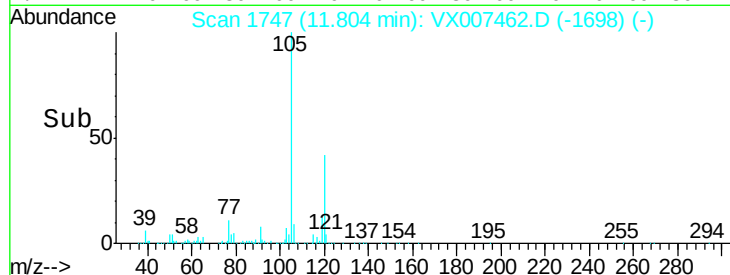
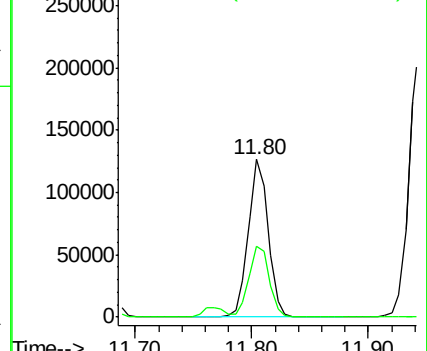
105 100

120 46.0 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: 10.915 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007462.D

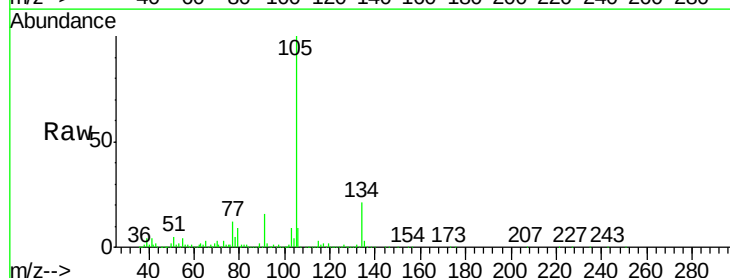
Acq: 11 Feb 2019 12:40

Tgt Ion:105 Resp: 276378

Ion Ratio Lower Upper

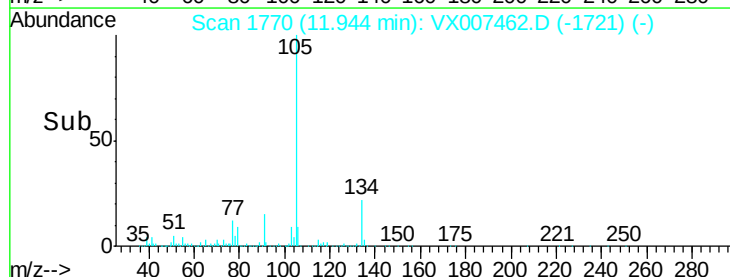
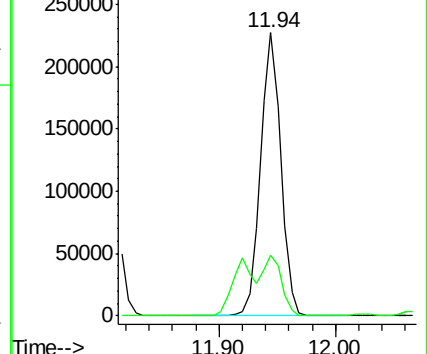
105 100

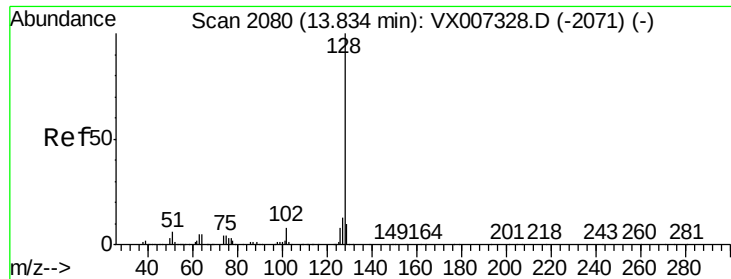
134 19.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 7.438 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007462.D
Acq: 11 Feb 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-190207

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.5	15.7
129	16.1	8.7	13.1

