

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

Quant Time: Feb 12 00:02:41 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	275896	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
35) Dibromofluoromethane	5.51	113	260146	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	983740	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	379542	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	277	0.220	ug/l	87
5) Bromomethane	1.65	94	844	Below Cal	#	35
6) Chloroethane	1.59	64	20705	5.462	ug/l #	46
11) Tert butyl alcohol	3.06	59	51993	44.631	ug/l #	73
13) Acrolein	2.31	56	628	1.150	ug/l #	14
15) Acrylonitrile	3.17	53	10100	3.505	ug/l #	31
16) Acetone	2.45	43	7514	2.914	ug/l	89
17) Carbon Disulfide	2.58	76	1874	2.257	ug/l #	75
18) Methyl Acetate	2.84	43	66827	10.422	ug/l #	52
19) Methyl tert-butyl Ether	3.21	73	385073	23.473	ug/l	97
20) Methylene Chloride	2.85	84	1262	Below Cal	#	6
31) Cyclohexane	5.57	56	75218	9.609	ug/l #	92
36) 1,1-Dichloropropene	5.67	75	33363	4.576	ug/l #	49
38) Carbon Tetrachloride	5.67	117	49353	6.977	ug/l #	17
39) Methylcyclohexane	7.46	83	183461	20.797	ug/l #	85
40) Benzene	6.15	78	329067	15.322	ug/l	100
41) Methacrylonitrile	4.99	41	1085	0.275	ug/l #	48
43) Isopropyl Acetate	6.46	43	11926	1.048	ug/l #	61
46) Dibromomethane	7.65	93	1631	0.417	ug/l #	1
47) Bromodichloromethane	7.85	83	5770	0.870	ug/l #	34
48) Methyl methacrylate	7.74	41	11601	2.039	ug/l #	34
49) 1,4-Dioxane	7.76	88	40	7.186	ug/l #	1
51) 4-Methyl-2-Pentanone	8.67	43	29256	3.906	ug/l #	57
52) Toluene	8.79	92	22370	1.614	ug/l	92
55) 1,1,2-Trichloroethane	9.16	97	108773	18.831	ug/l #	18
56) Ethyl methacrylate	9.16	69	24137	3.017	ug/l #	1
59) 2-Hexanone	9.52	43	26884	4.613	ug/l	79
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
71) Bromoform	10.85	173	128	4.053	ug/l #	29
73) Isopropylbenzene	11.02	105	6460118	244.890	ug/l	98
74) N-amyl acetate	10.90	43	3803	0.373	ug/l #	1
76) 1,2,3-Trichloropropane	11.36	75	43115	5.710	ug/l #	1

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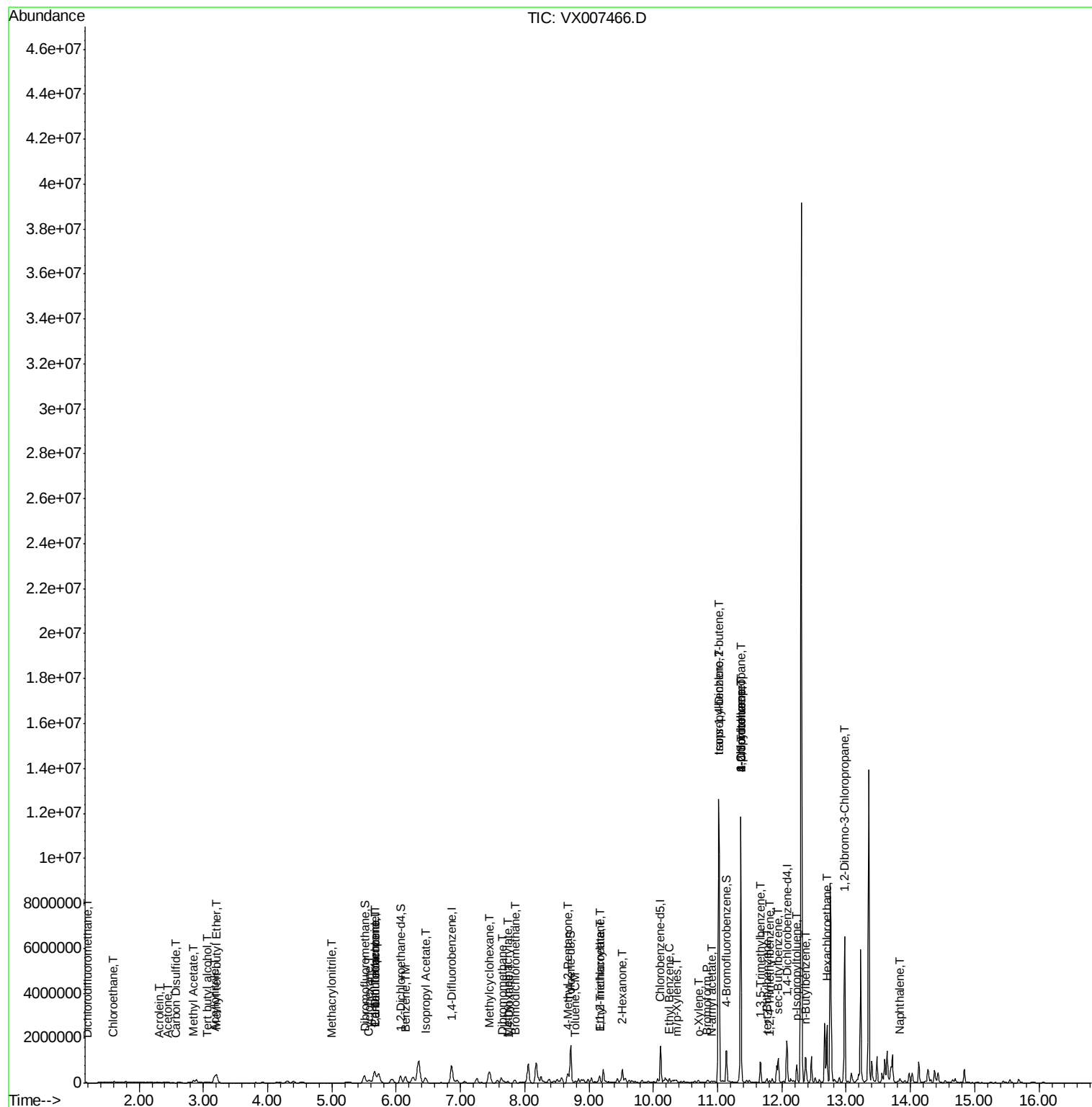
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.36	91	6959165	240.577	uq/l	100
79) 2-Chlorotoluene	11.36	91	6959165	396.482	uq/l #	38
80) 1,3,5-Trimethylbenzene	11.66	105	454754	21.071	uq/l	73
81) trans-1,4-Dichloro-2-buten	11.02	75	72048	31.227	uq/l #	71
82) 4-Chlorotoluene	11.36	91	6959165	342.650	uq/l #	42
83) tert-Butylbenzene	11.77	119	66871	3.130	uq/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	34490	1.574	uq/l	98
85) sec-Butylbenzene	11.94	105	523066	20.226	uq/l	97
86) p-Isopropyltoluene	12.23	119	344364	14.751	uq/l	97
89) n-Butylbenzene	12.38	91	198642	9.891	uq/l #	41
90) Hexachloroethane	12.70	117	973335	278.585	uq/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.97	75	17980	10.756	uq/l #	1
95) Naphthalene	13.83	128	103923	3.970	uq/l #	96

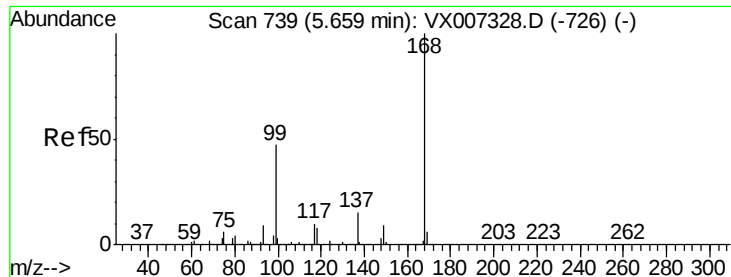
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

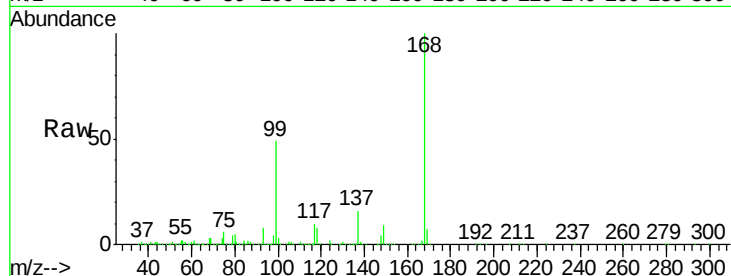
KY001MW019-190207

Tot Ion:168 Resp: 530335

Ion Ratio Lower Upper

168 100

99 48.9 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

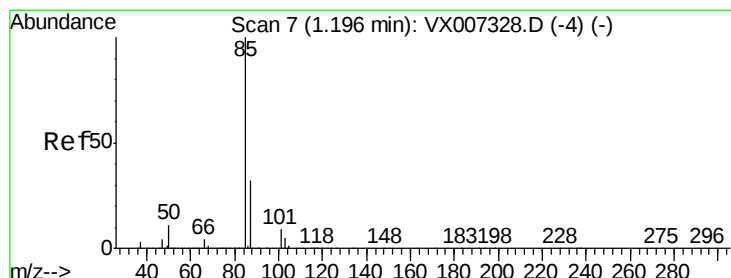
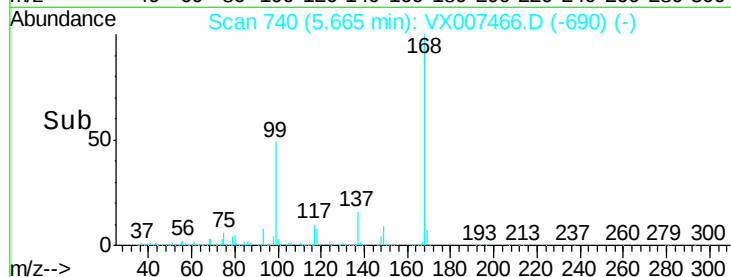
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.220 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007466.D

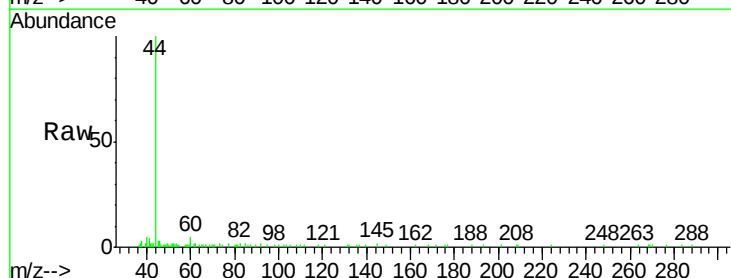
Acq: 11 Feb 2019 14:26

Tgt Ion: 85 Resp: 277

Ion Ratio Lower Upper

85 100

87 24.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

250

200

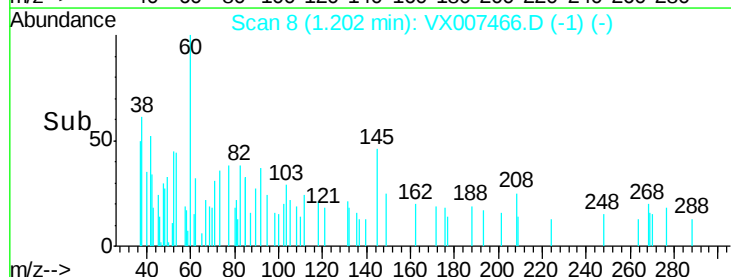
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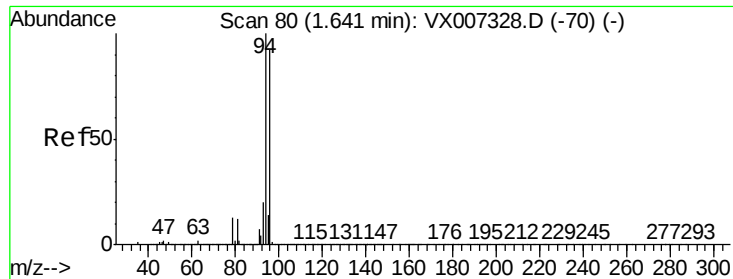
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

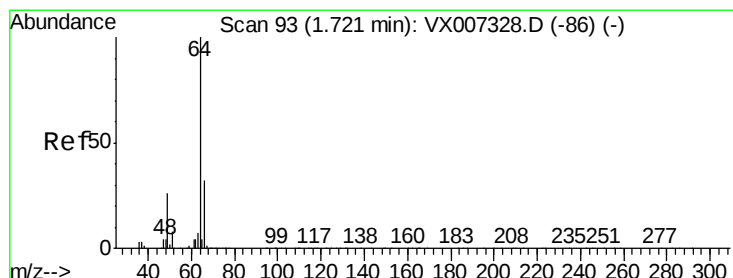
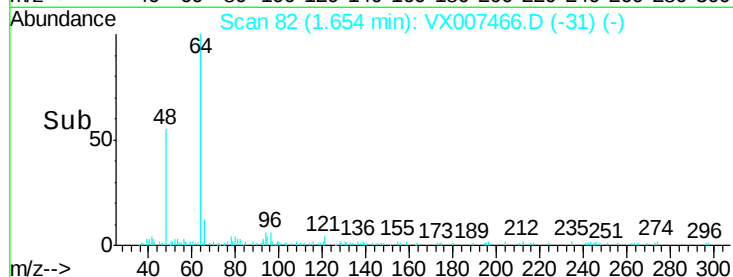
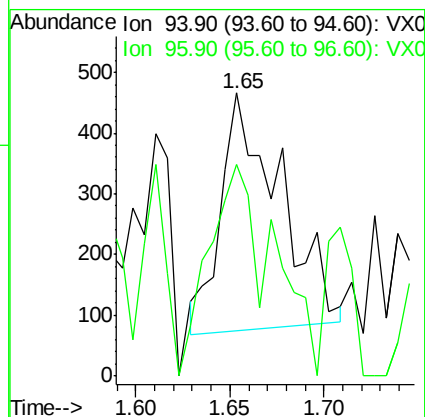
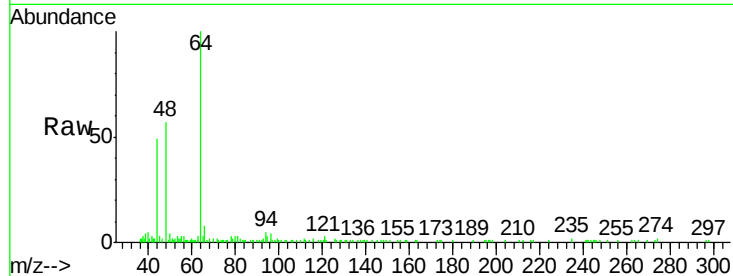
KY001MW019-190207

Tot Ion: 94 Resp: 844

Ion Ratio Lower Upper

94 100

96 30.1 73.9 110.9#



#6

Chloroethane

Concen: 5.462 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX007466.D

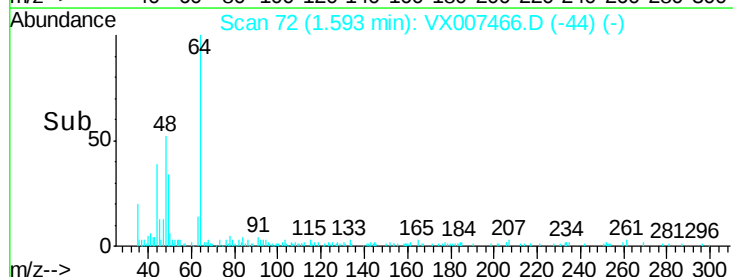
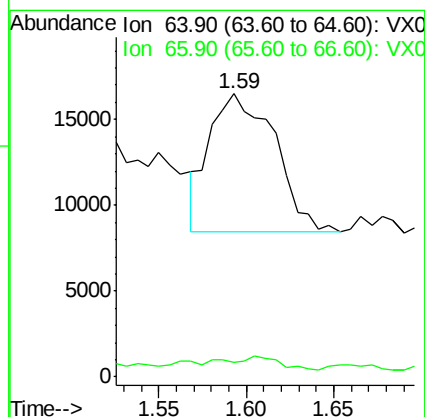
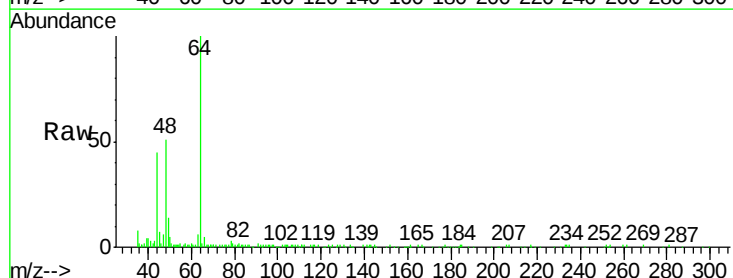
Acq: 11 Feb 2019 14:26

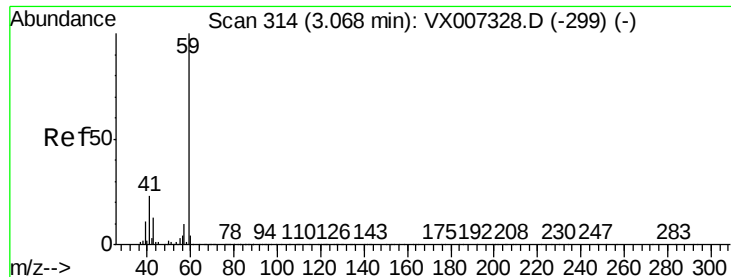
Tgt Ion: 64 Resp: 20705

Ion Ratio Lower Upper

64 100

66 2.0 25.5 38.3#



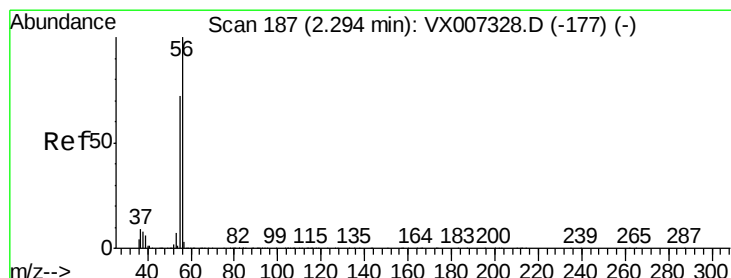
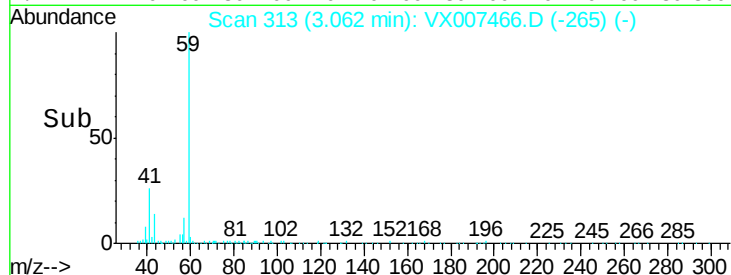
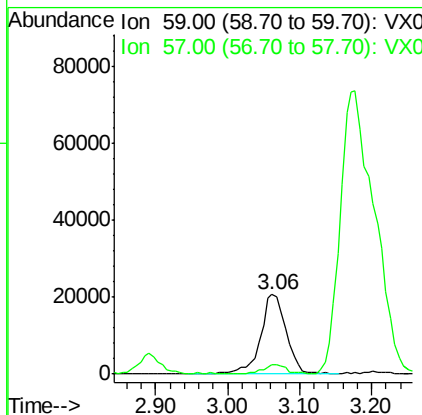
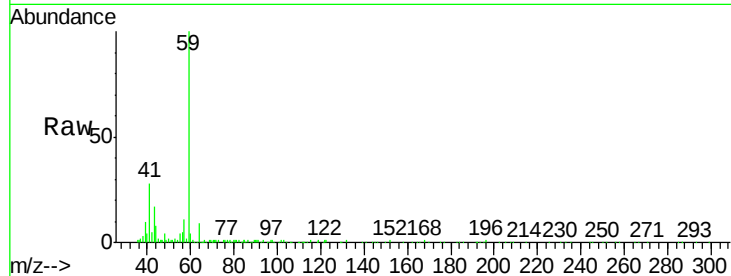


#11

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

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW019-190207

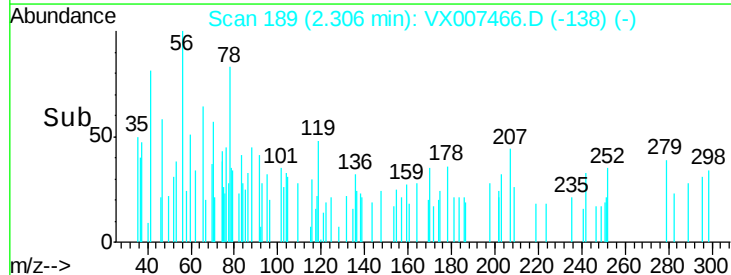
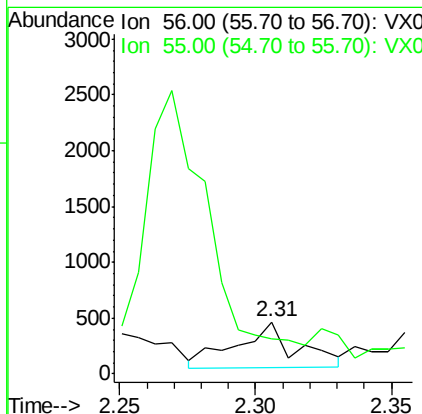
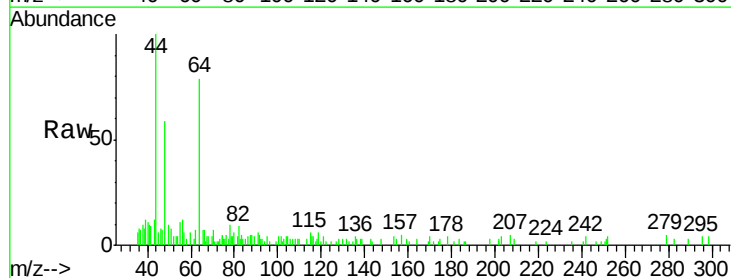
Tot Ion: 59 Resp: 51993
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

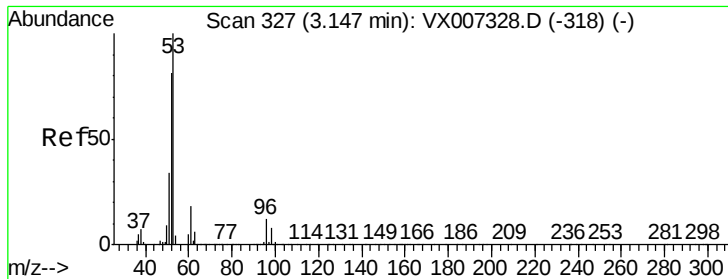


#13

Acrolein
 Concen: 1.150 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX007466.D
 Acq: 11 Feb 2019 14:26

Tgt Ion: 56 Resp: 628
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#15

Acrylonitrile

Concen: 3.505 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

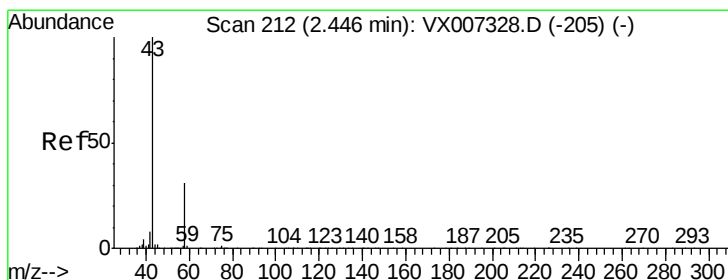
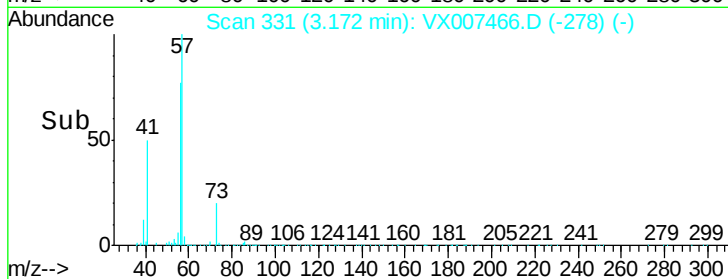
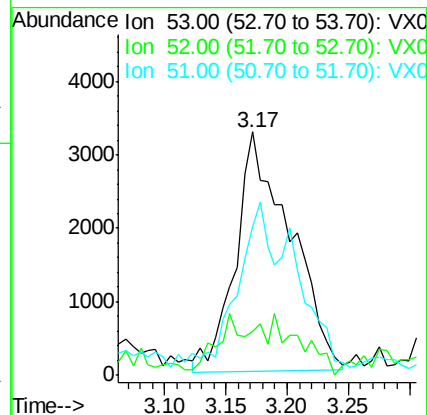
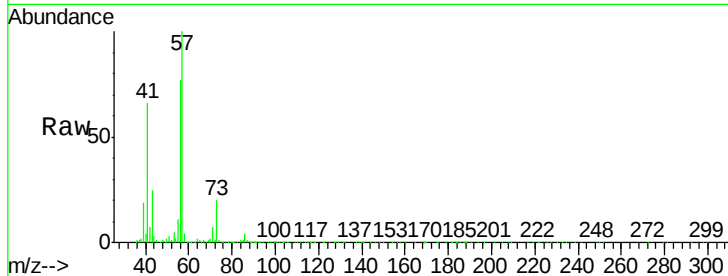
Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

Tot Ion:	53	Resp:	10100
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.4	99.6#
51	43.4	28.4	42.6#



#16

Acetone

Concen: 2.914 ug/l

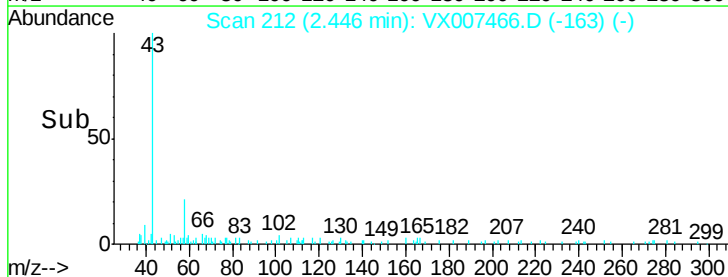
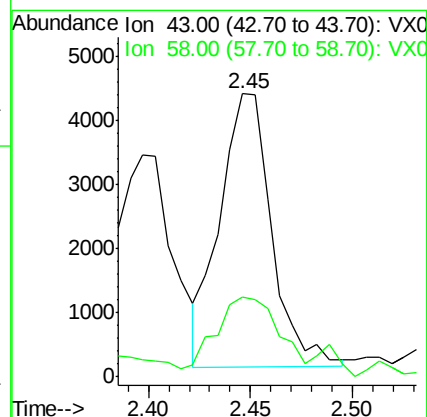
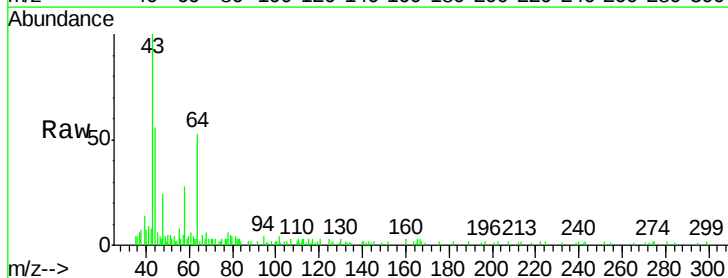
RT: 2.45 min Scan# 212

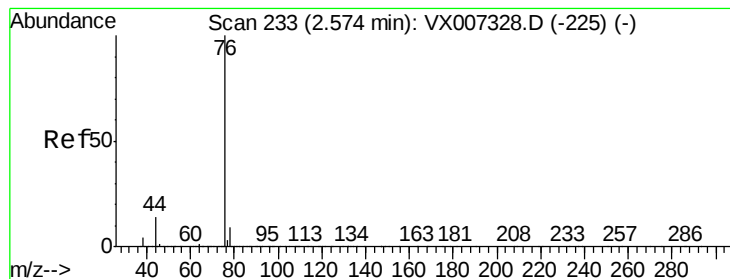
Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Tgt Ion:	43	Resp:	7514
Ion	Ratio	Lower	Upper
43	100		
58	25.3	24.9	37.3





#17

Carbon Disulfide

Concen: 2.257 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

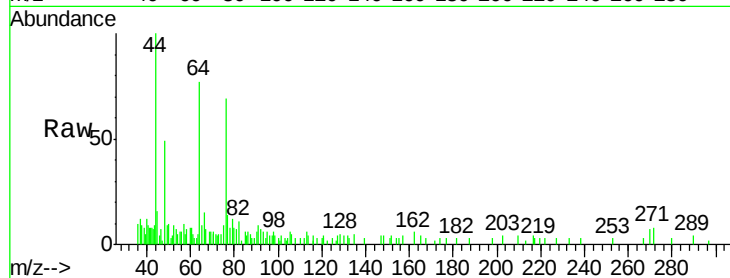
KY001MW019-190207

Tot Ion: 76 Resp: 1874

Ion Ratio Lower Upper

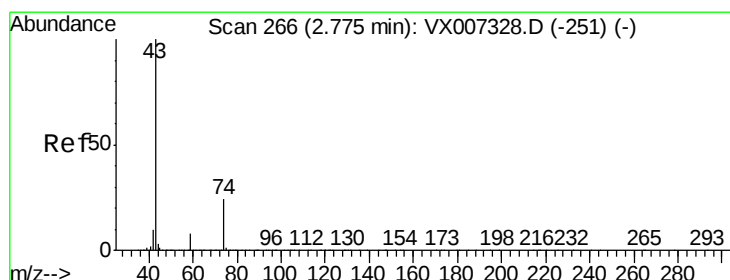
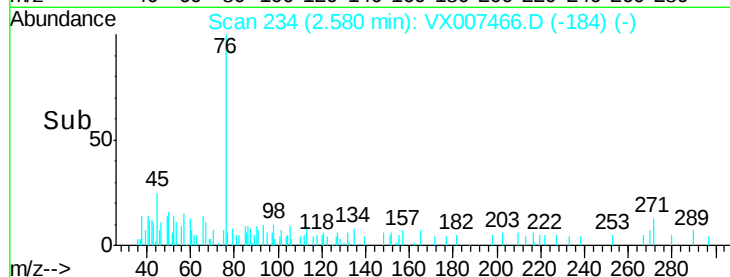
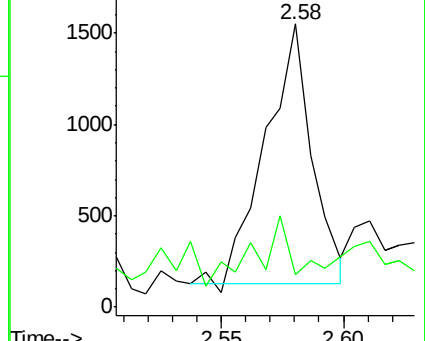
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 10.422 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX007466.D

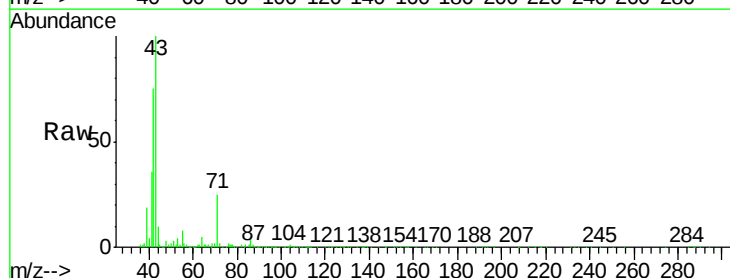
Acq: 11 Feb 2019 14:26

Tgt Ion: 43 Resp: 66827

Ion Ratio Lower Upper

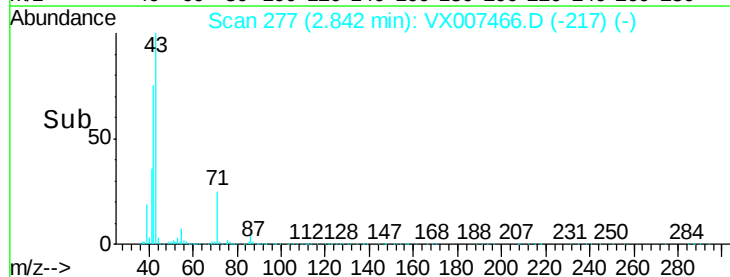
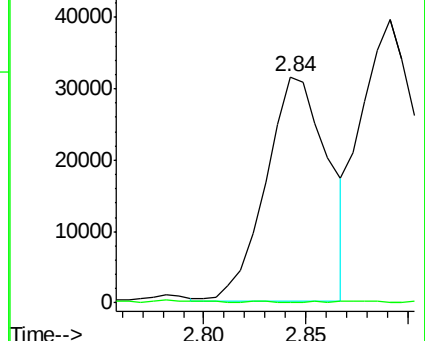
43 100

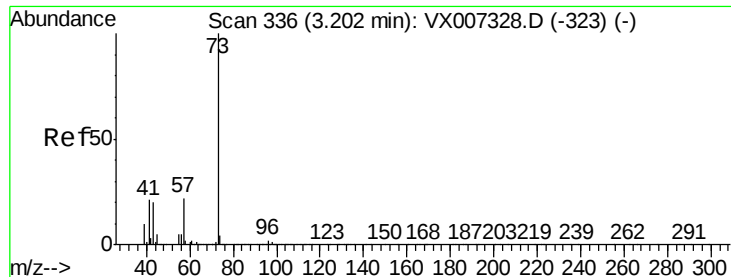
74 0.3 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



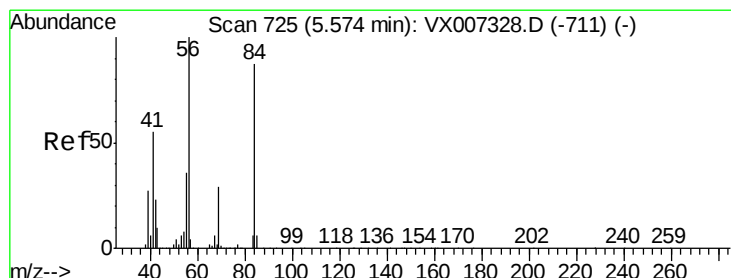
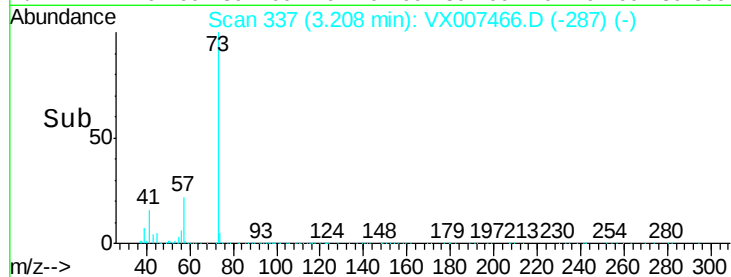
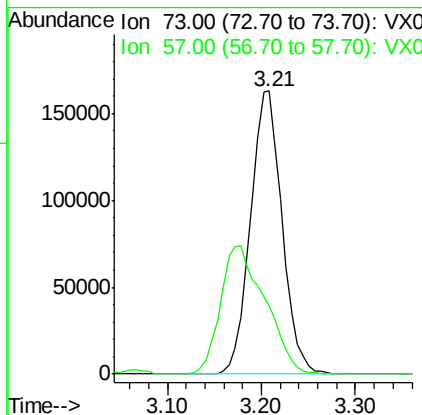
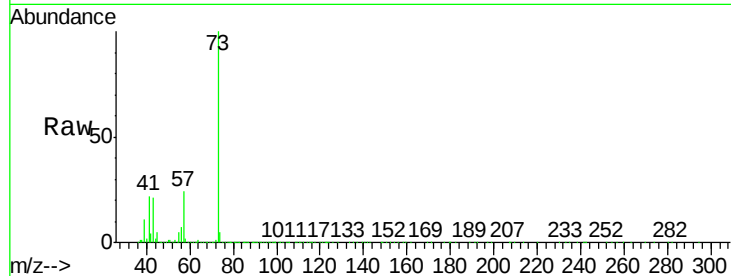


#19

Methvl tert-butvl Ether
 Concen: 23.473 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
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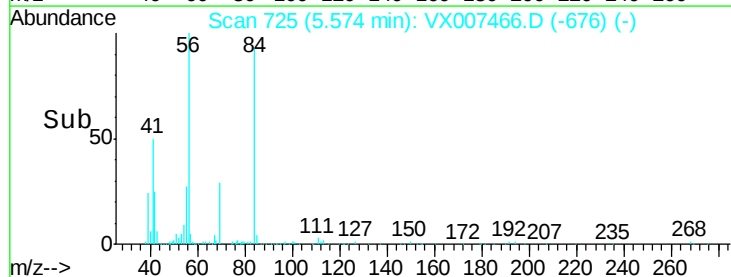
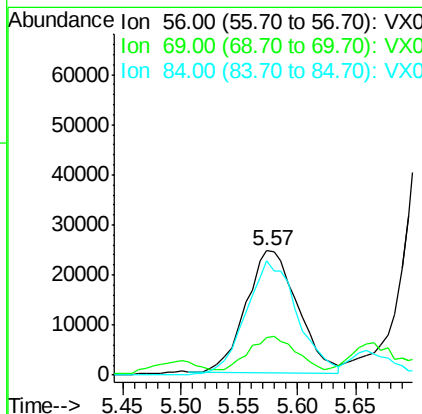
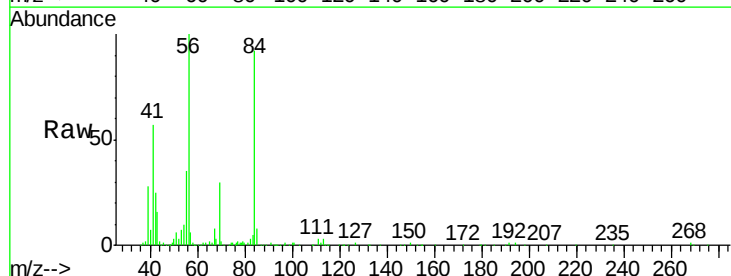
Tot Ion: 73 Resp: 385073
 Ion Ratio Lower Upper
 73 100
 57 23.8 17.8 26.8

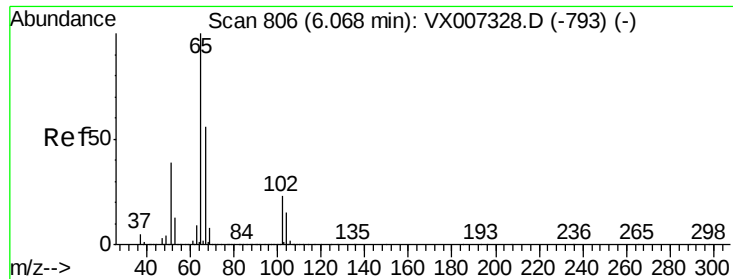


#31

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

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





#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

Instrument :

MSVOA_X

ClientSampleId :

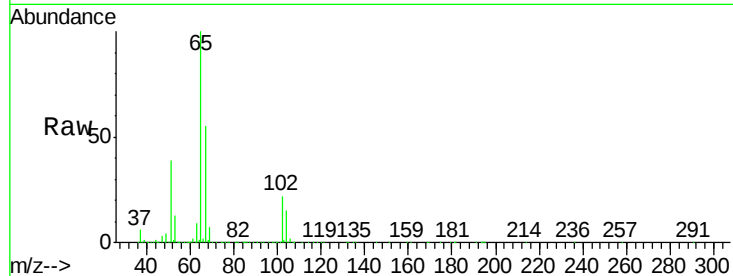
KY001MW019-190207

Tot Ion: 65 Resp: 275896

Ion Ratio Lower Upper

65 100

67 54.0 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

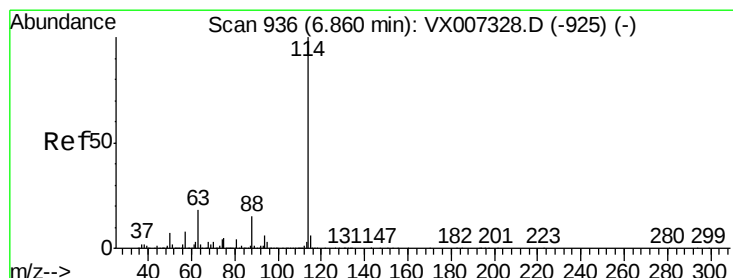
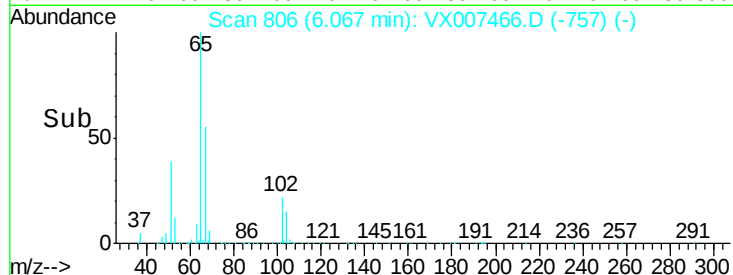
60000

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: VX007466.D

Acq: 11 Feb 2019 14:26

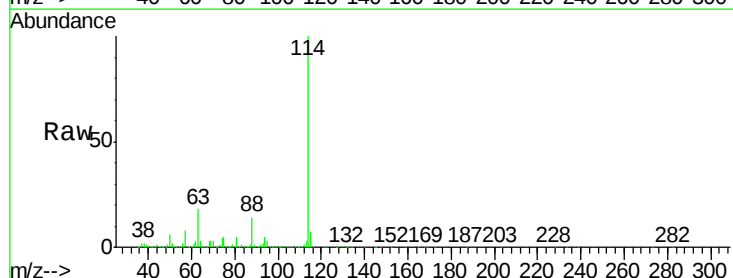
Tgt Ion: 114 Resp: 812614

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 14.4 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

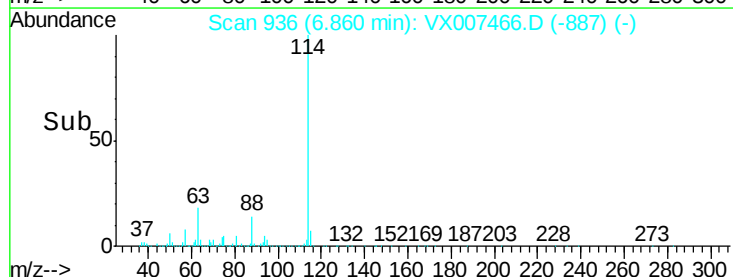
300000

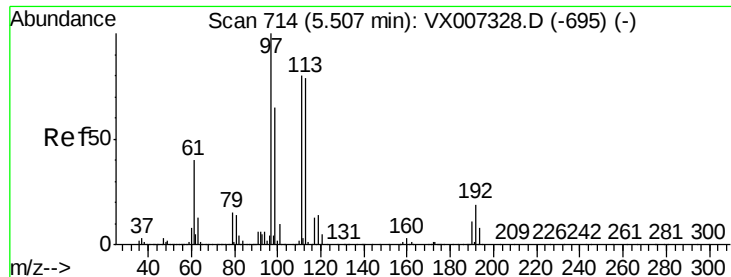
200000

100000

0

Time-->





#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

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

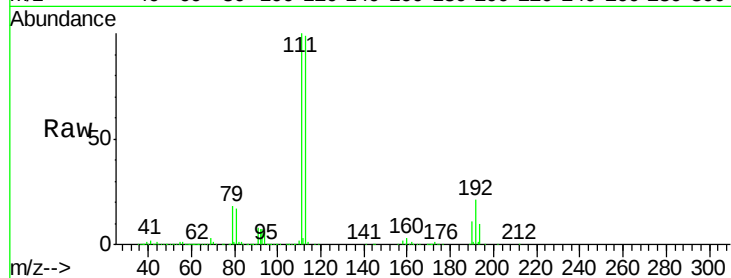
Tot Ion:113 Resp: 260146

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

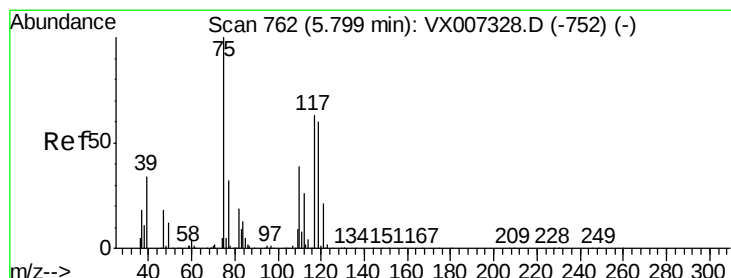
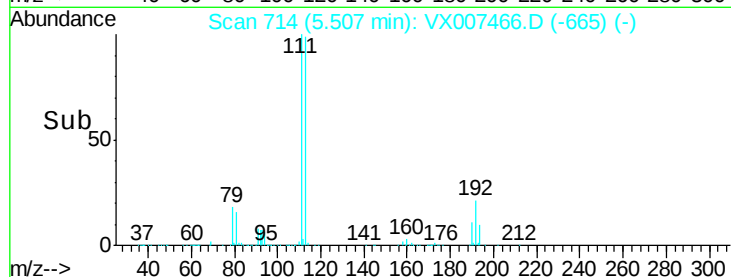
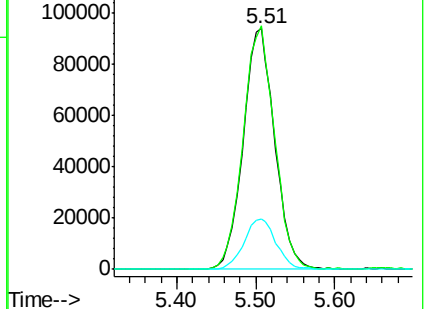
192 21.4 18.5 27.7



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



#36

1,1-Dichloropropene

Concen: 4.576 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

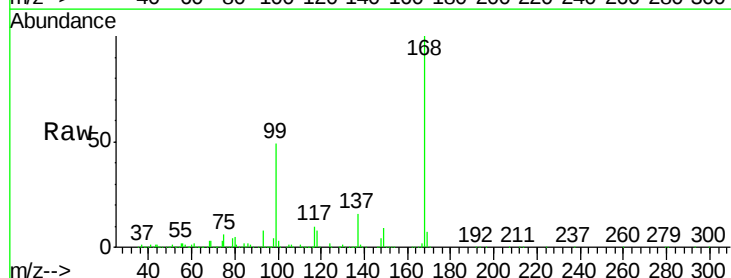
Tgt Ion: 75 Resp: 33363

Ion Ratio Lower Upper

75 100

110 10.4 20.0 59.9#

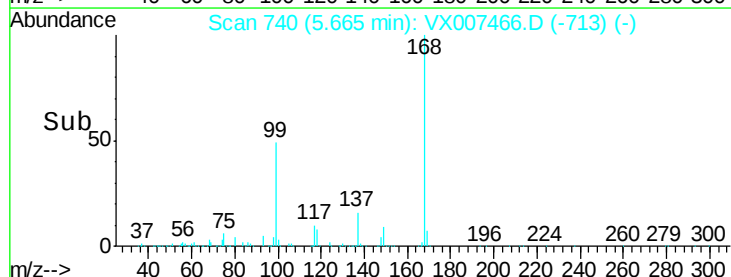
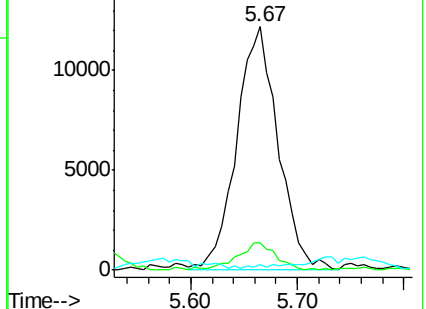
77 0.4 24.7 37.1#

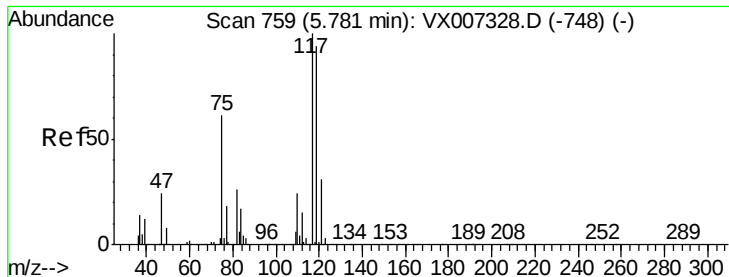


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.977 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

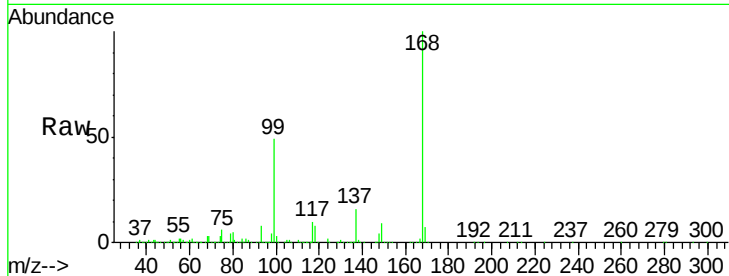
Tot Ion:117 Resp: 49353

Ion Ratio Lower Upper

117 100

119 5.2 75.3 112.9#

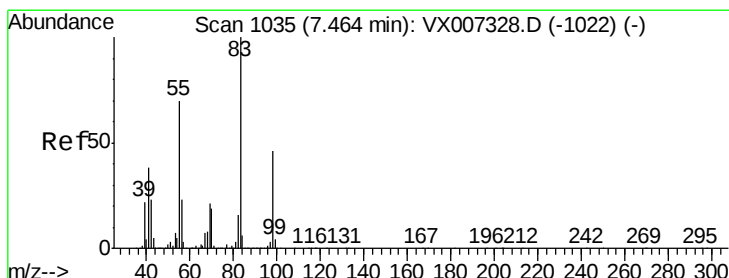
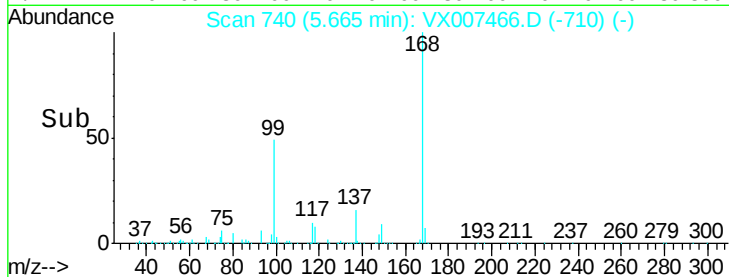
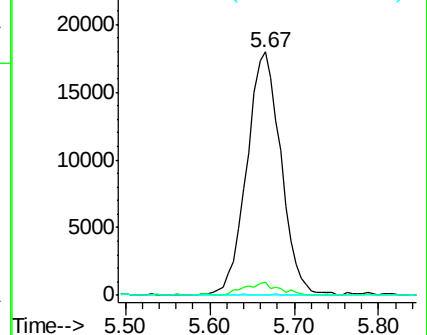
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

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

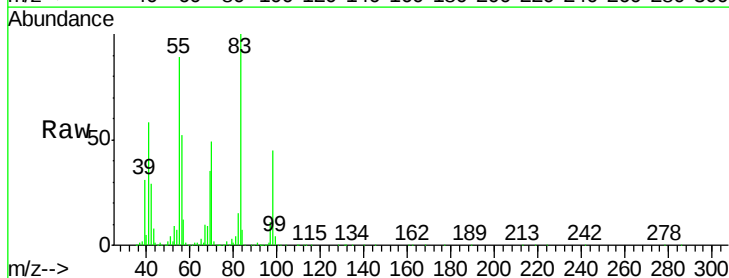
Tgt Ion: 83 Resp: 183461

Ion Ratio Lower Upper

83 100

55 88.8 56.2 84.2#

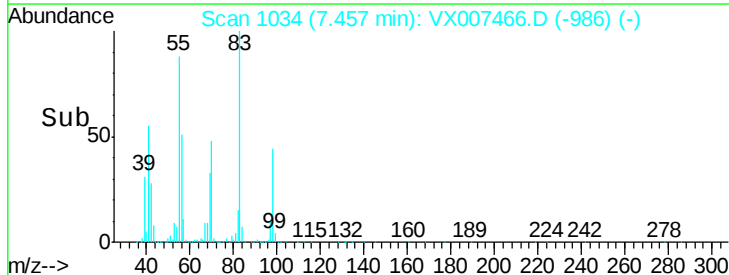
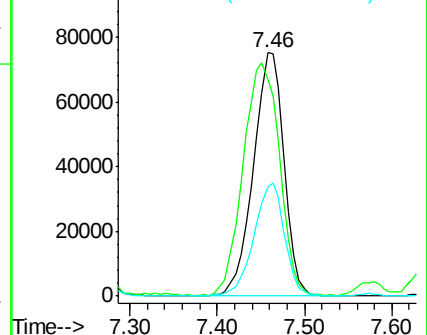
98 44.6 36.8 55.2

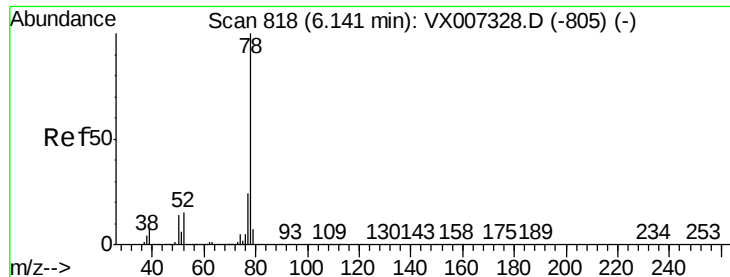


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 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

Instrument :

MSVOA_X

ClientSampleId :

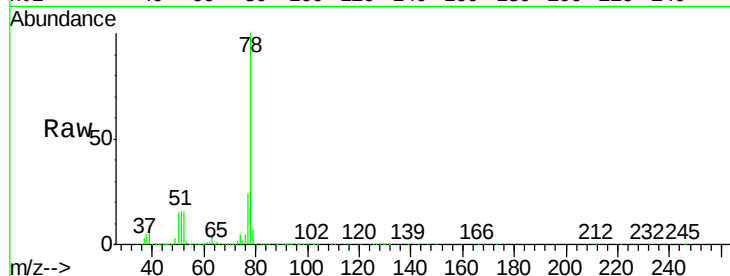
KY001MW019-190207

Tot Ion: 78 Resp: 329067

Ion Ratio Lower Upper

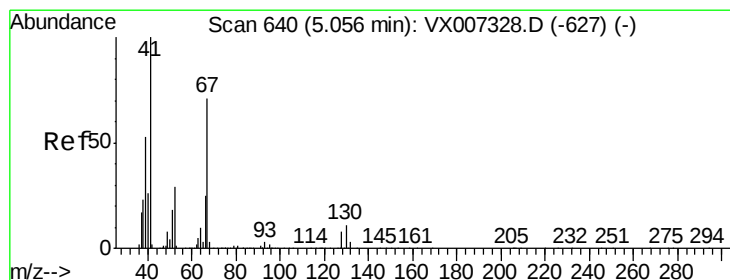
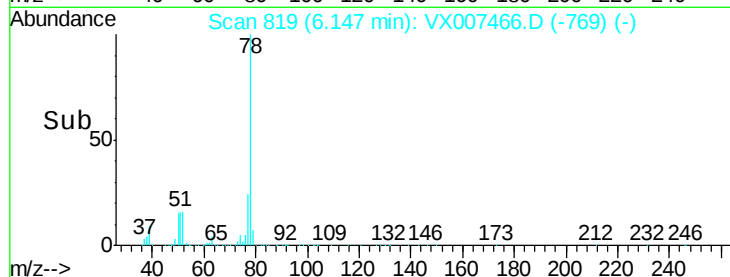
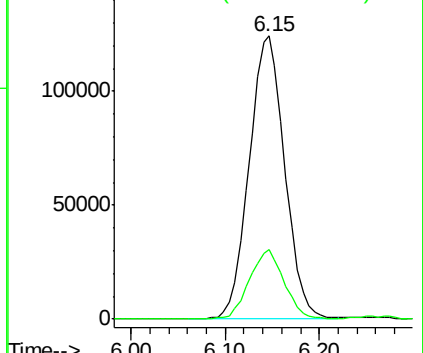
78 100

77 24.3 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 0.275 ug/l

RT: 4.99 min Scan# 630

Delta R.T. -0.06 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Tgt Ion: 41 Resp: 1085

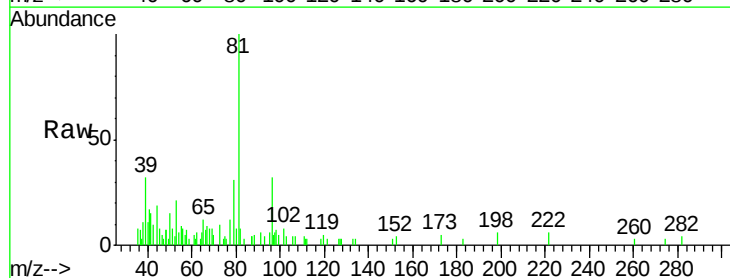
Ion Ratio Lower Upper

41 100

39 98.7 44.5 66.7#

67 18.1 60.4 90.6#

52 29.7 24.1 36.1

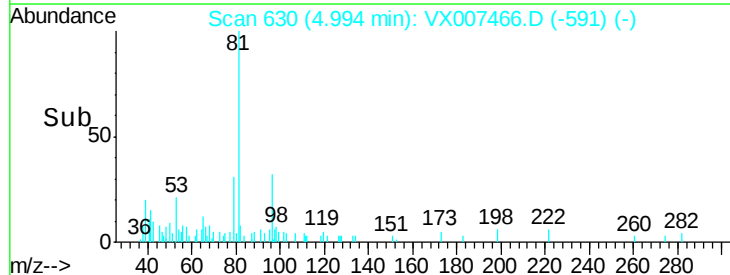
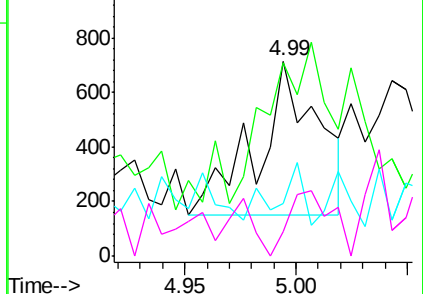


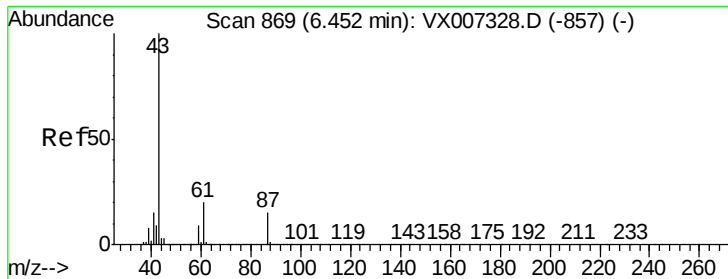
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 1.048 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

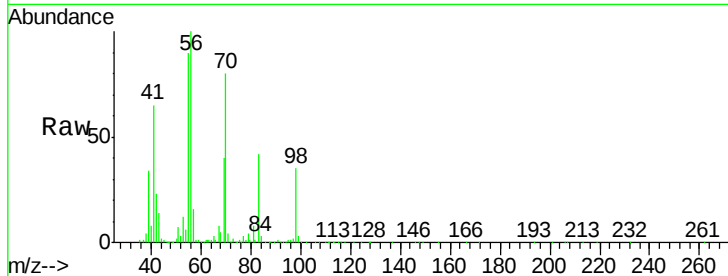
Tot Ion: 43 Resp: 11926

Ion Ratio Lower Upper

43 100

61 0.6 16.1 24.1#

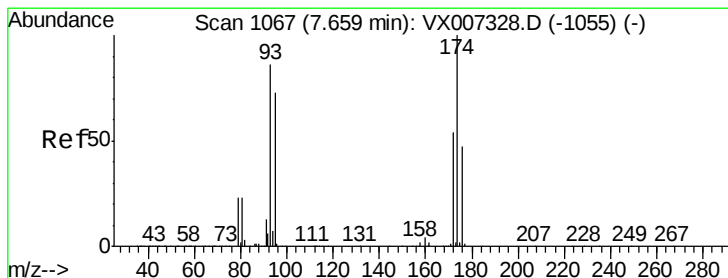
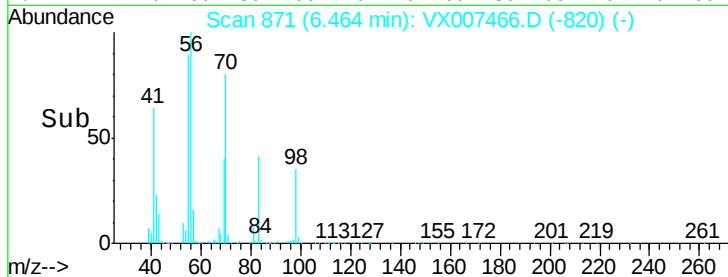
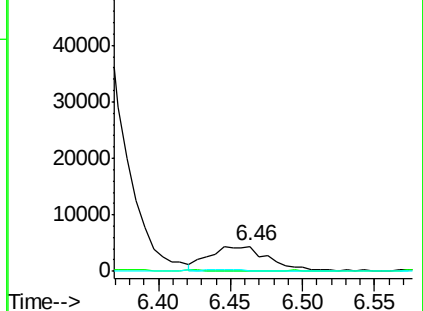
87 0.4 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#46

Dibromomethane

Concen: 0.417 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

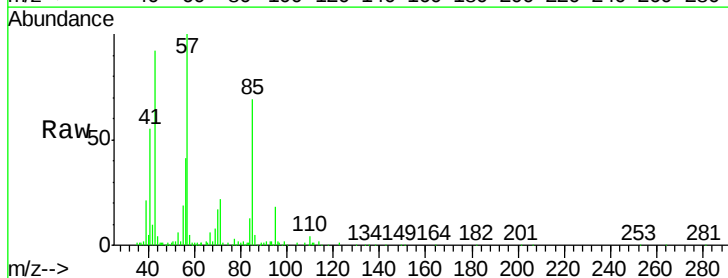
Tgt Ion: 93 Resp: 1631

Ion Ratio Lower Upper

93 100

95 0.0 67.6 101.4#

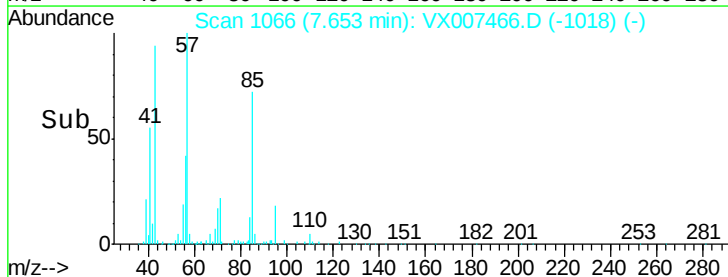
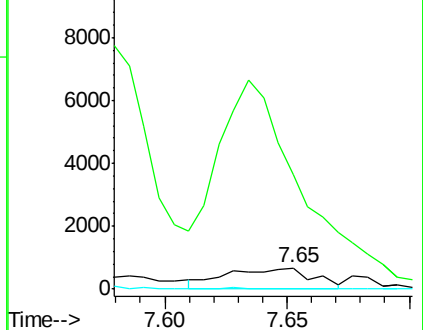
174 0.0 94.2 141.4#

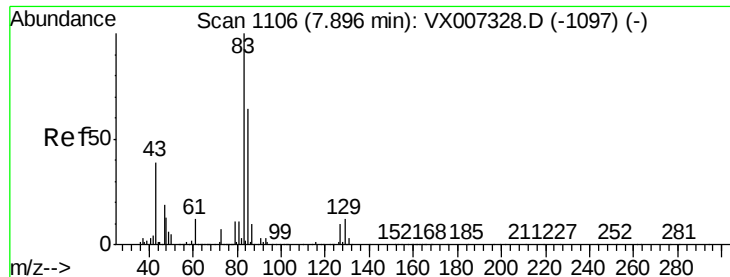


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.870 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

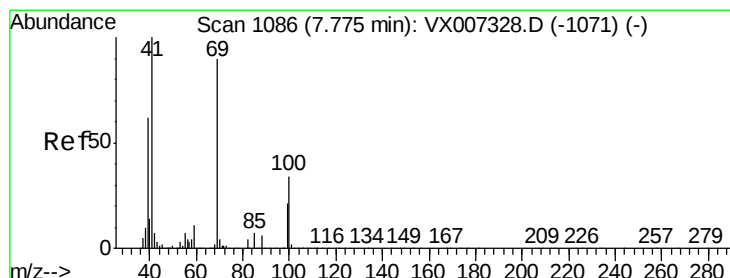
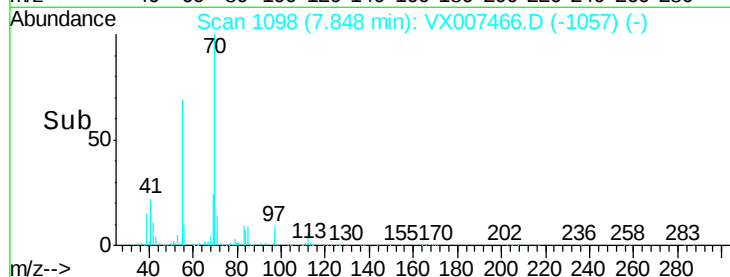
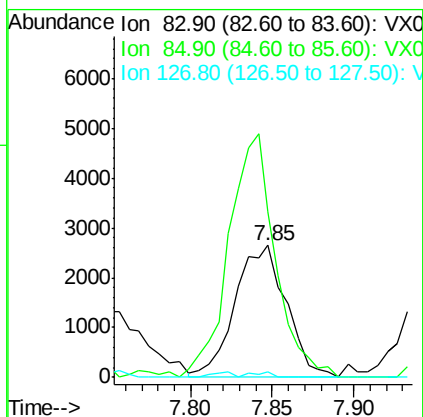
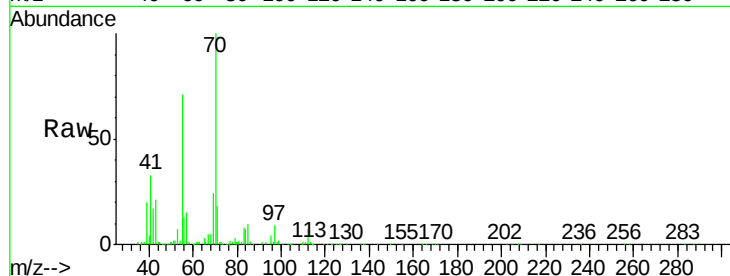
Tot Ion: 83 Resp: 5770

Ion Ratio Lower Upper

83 100

85 122.2 51.4 77.0#

127 4.6 8.1 12.1#



#48

Methyl methacrylate

Concen: 2.039 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.04 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

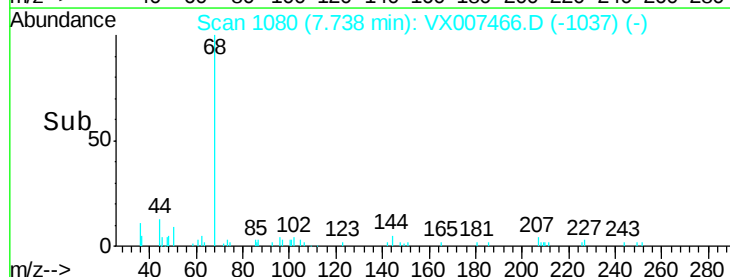
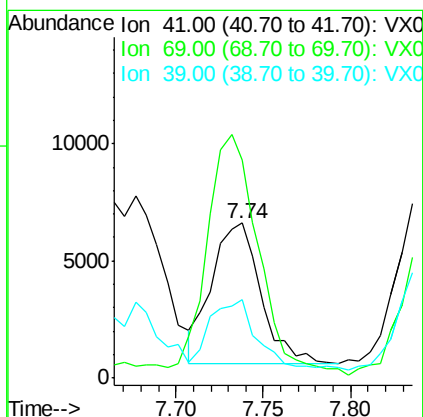
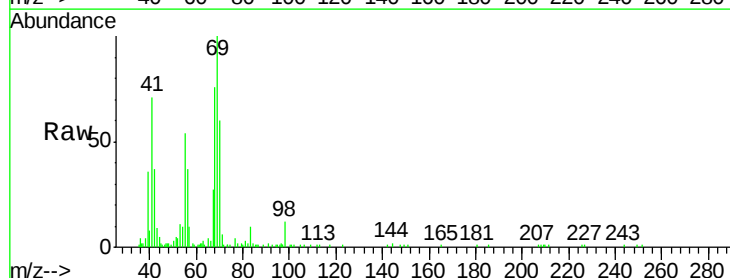
Tgt Ion: 41 Resp: 11601

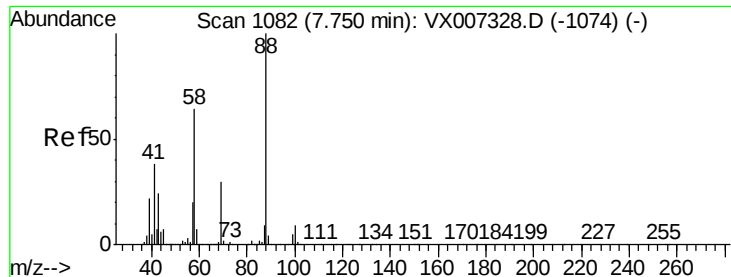
Ion Ratio Lower Upper

41 100

69 181.6 70.2 105.4#

39 48.9 47.4 71.0





#49

1,4-Dioxane

Concen: 7.186 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

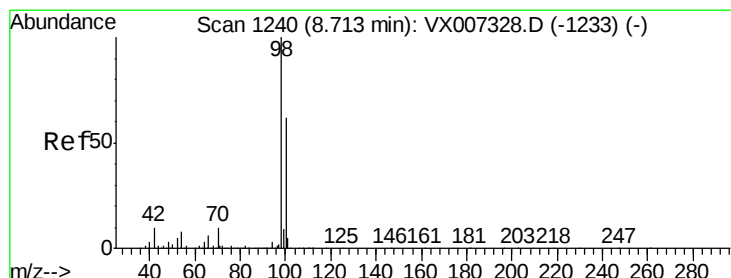
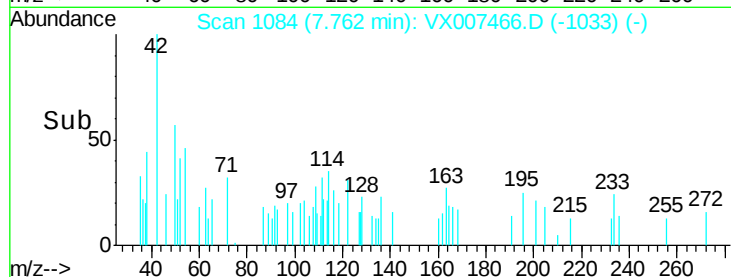
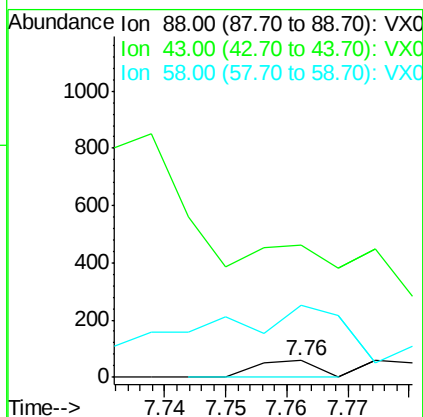
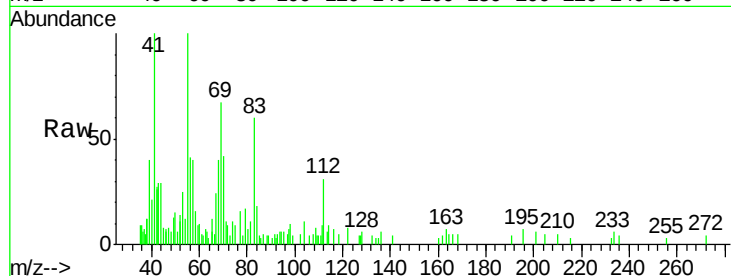
Tot Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 572.5 53.0 79.4#



#50

Toluene-d8

Concen: 50.147 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007466.D

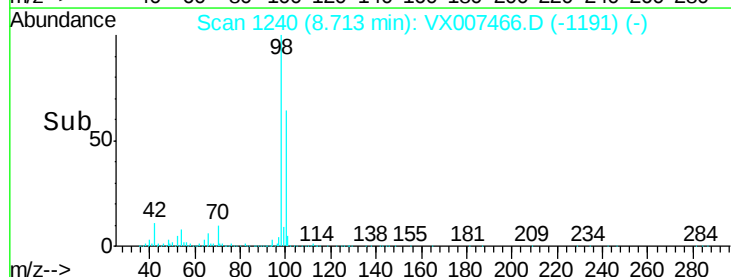
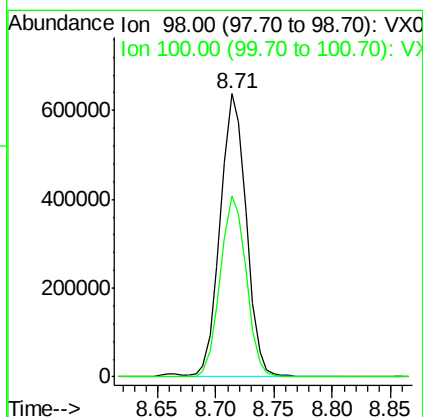
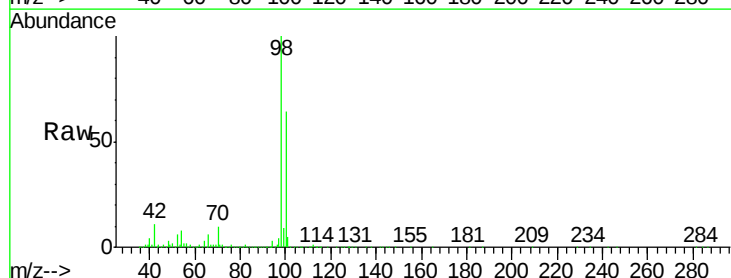
Acq: 11 Feb 2019 14:26

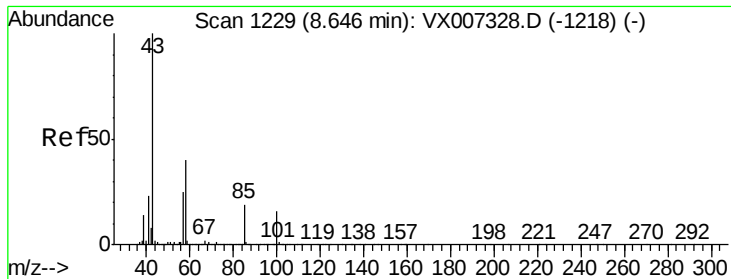
Tgt Ion: 98 Resp: 983740

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 3.906 ug/l

RT: 8.67 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

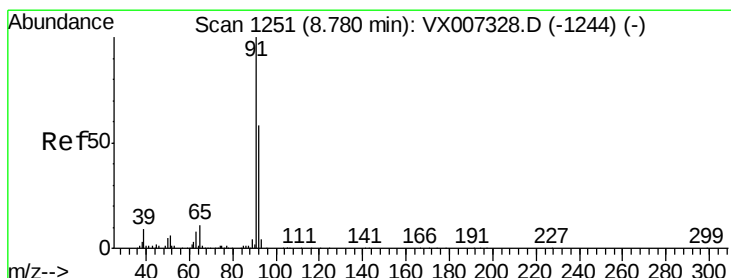
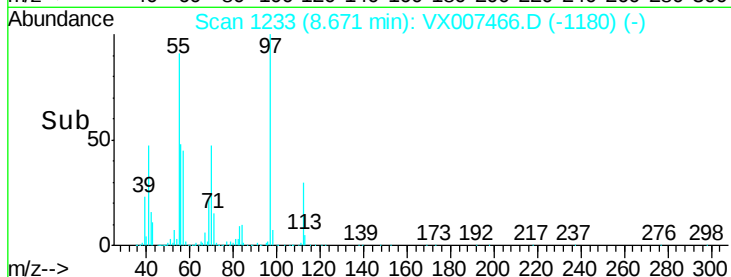
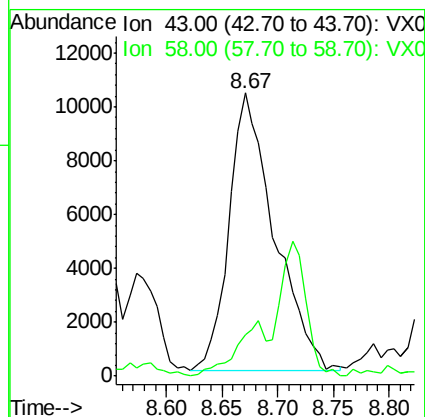
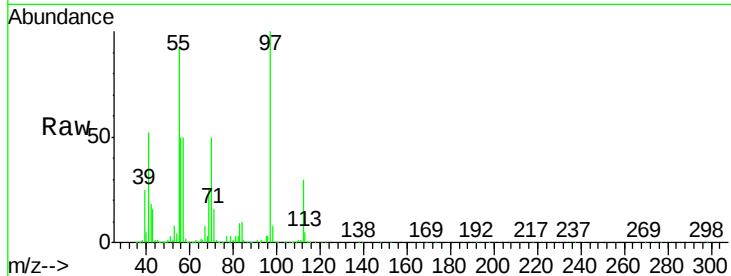
KY001MW019-190207

Tot Ion: 43 Resp: 29256

Ion Ratio Lower Upper

43 100

58 12.5 31.2 46.8#



#52

Toluene

Concen: 1.614 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007466.D

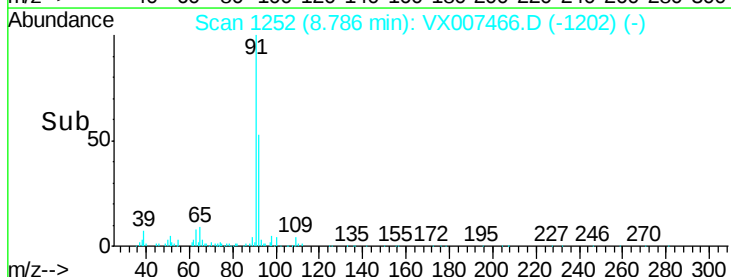
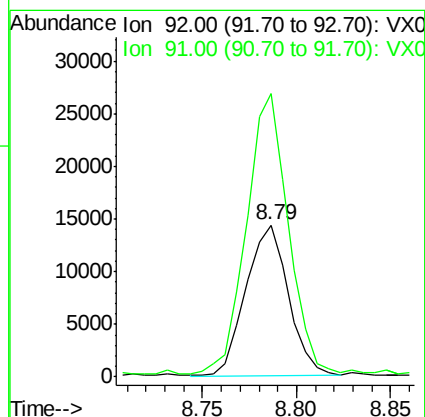
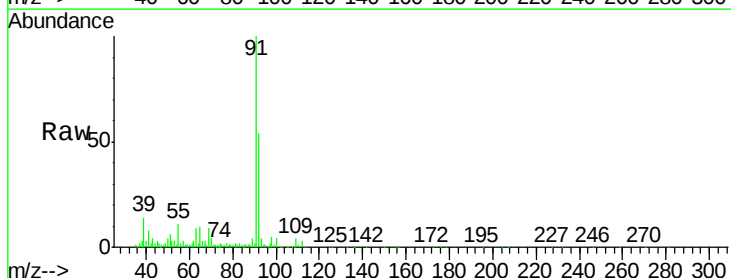
Acq: 11 Feb 2019 14:26

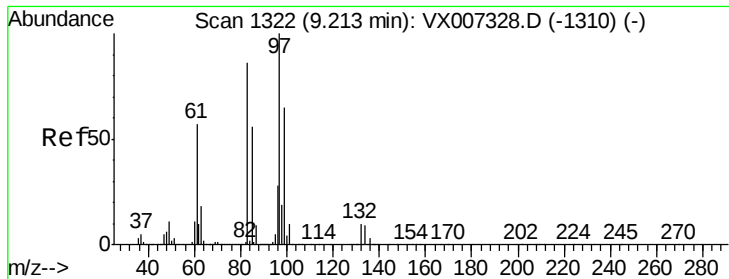
Tgt Ion: 92 Resp: 22370

Ion Ratio Lower Upper

92 100

91 184.4 139.1 208.7

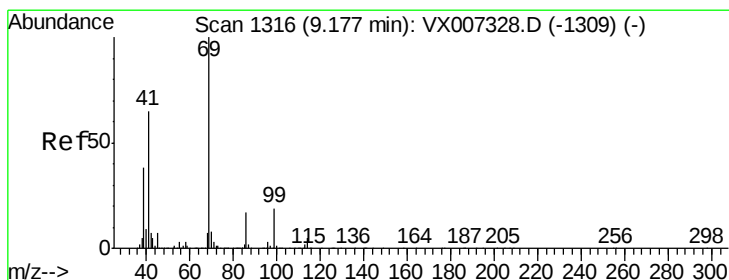
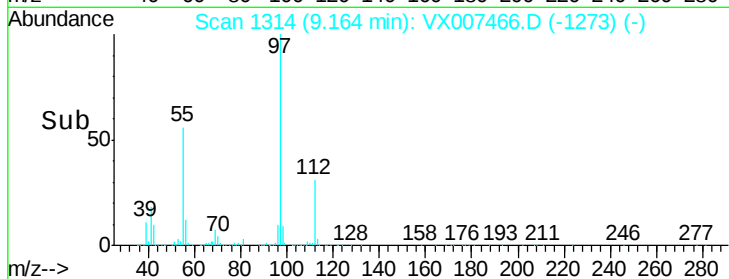
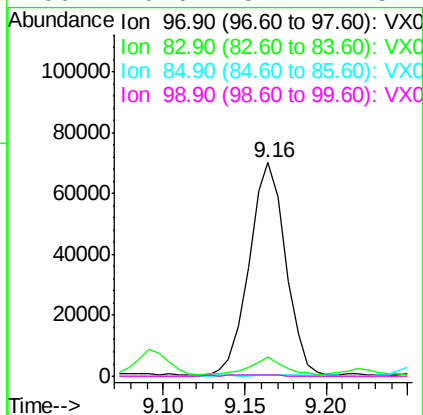
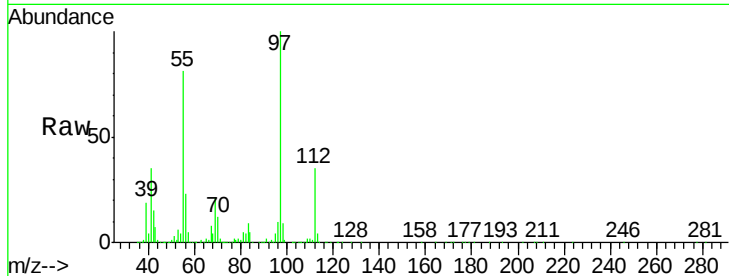




#55
1,1,2-Trichloroethane
Concen: 18.831 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

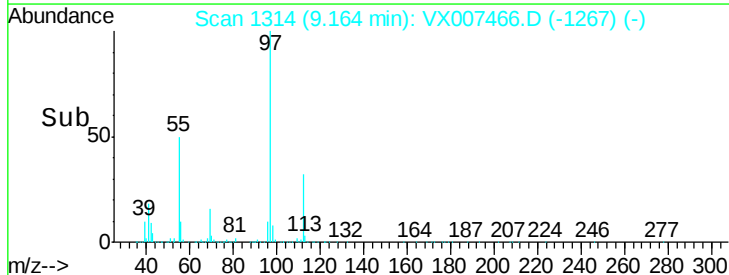
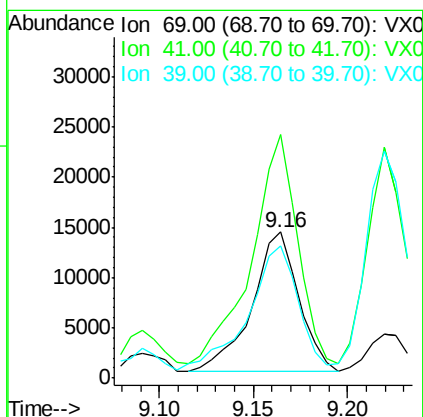
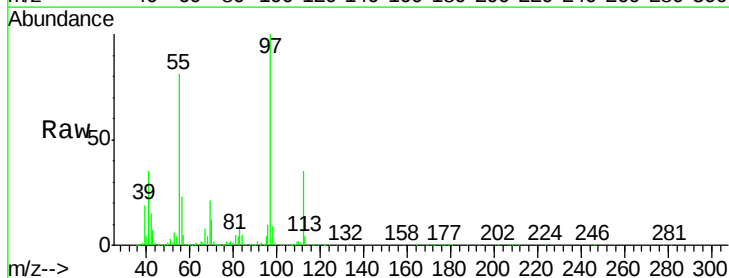
Instrument :
MSVOA_X
ClientSampleId :
KY001MW019-190207

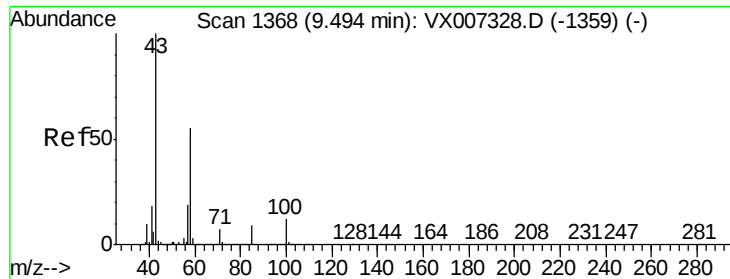
Tot Ion: 97 Resp: 108773
Ion Ratio Lower Upper
97 100
83 7.4 68.6 102.8#
85 0.2 44.5 66.7#
99 0.6 52.2 78.4#



#56
Ethyl methacrylate
Concen: 3.017 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Tgt Ion: 69 Resp: 24137
Ion Ratio Lower Upper
69 100
41 158.1 52.1 78.1#
39 92.4 30.1 45.1#





#59

2-Hexanone

Concen: 4.613 ug/l

RT: 9.52 min Scan# 1372

Delta R.T. 0.02 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

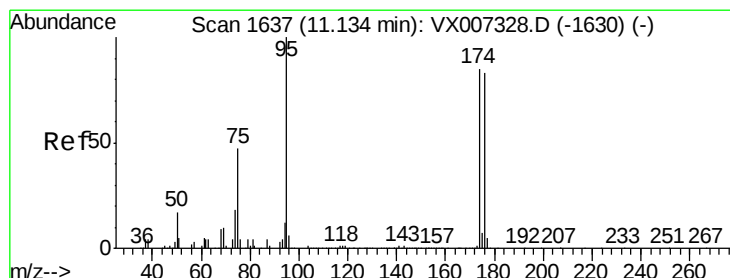
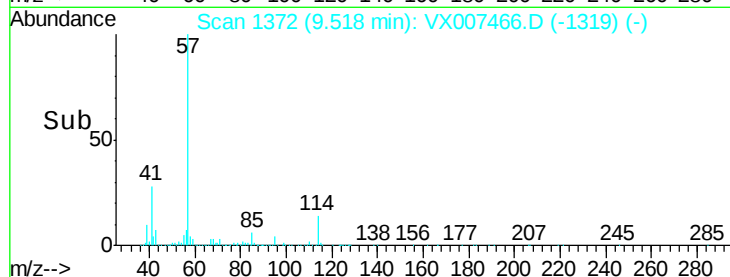
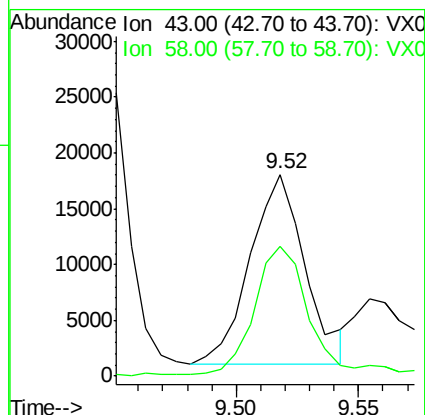
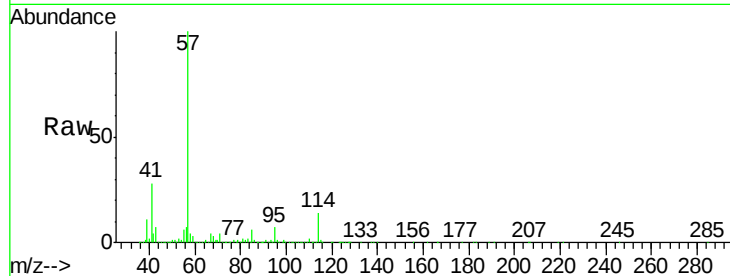
KY001MW019-190207

Tot Ion: 43 Resp: 26884

Ion Ratio Lower Upper

43 100

58 69.2 27.1 81.3



#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

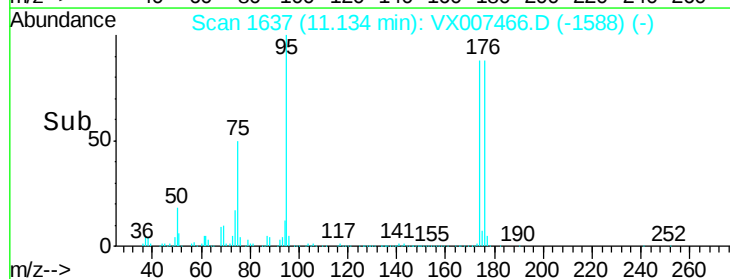
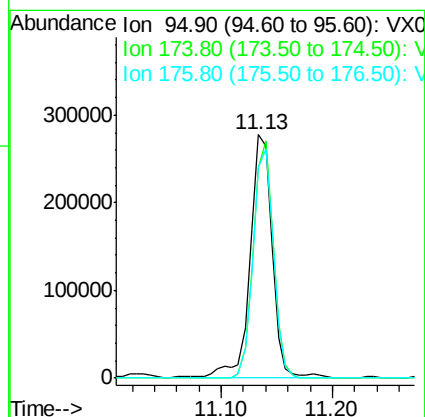
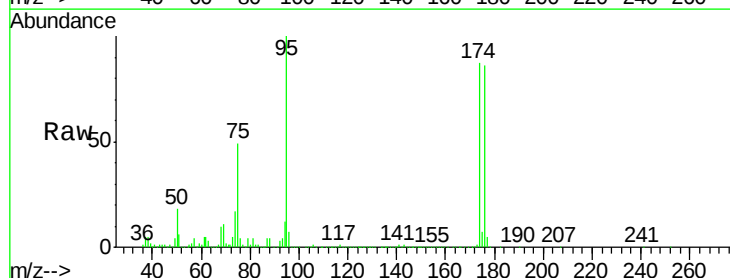
Tgt Ion: 95 Resp: 379542

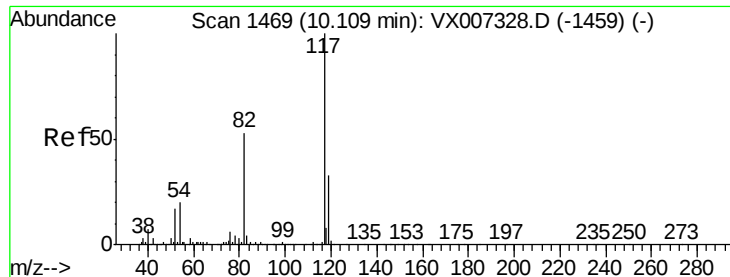
Ion Ratio Lower Upper

95 100

174 89.3 0.0 189.2

176 87.6 0.0 186.2

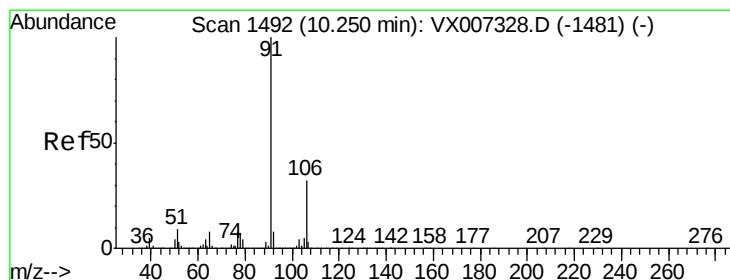
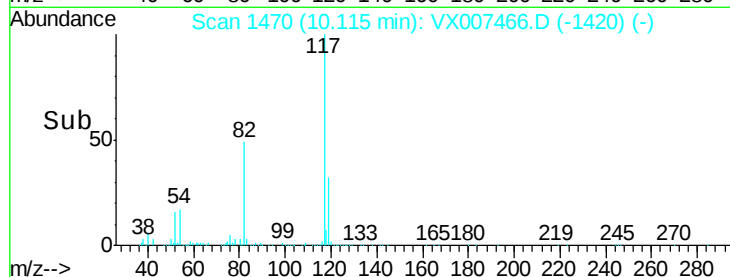
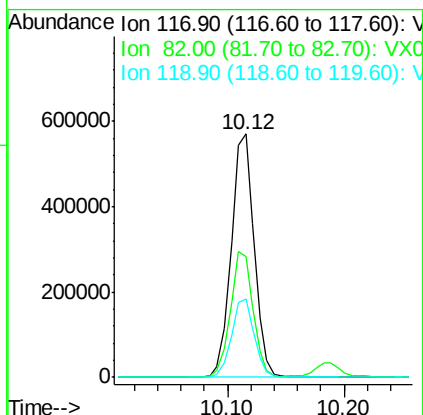
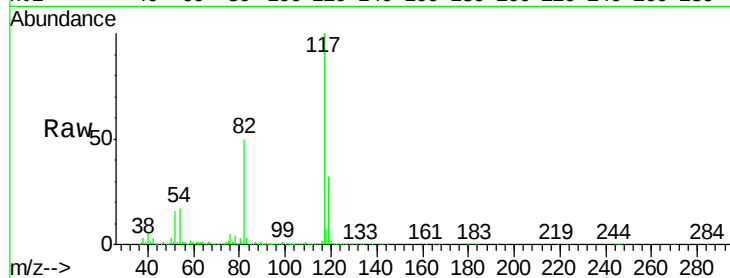




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

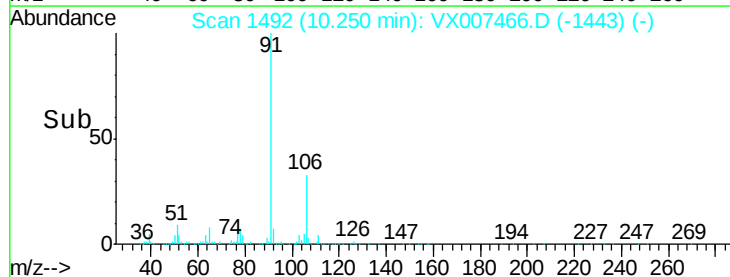
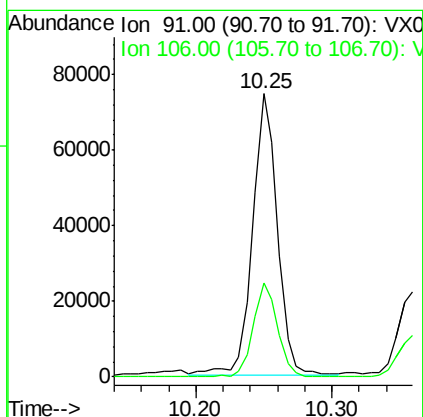
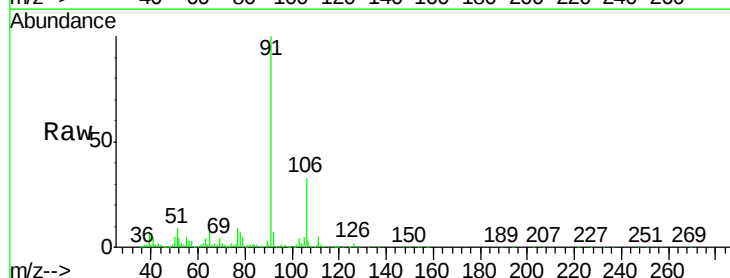
Instrument :
MSVOA_X
ClientSampleId :
KY001MW019-190207

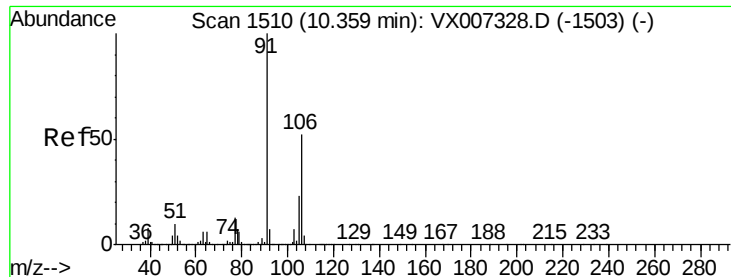
Tot Ion:117 Resp: 780640
Ion Ratio Lower Upper
117 100
82 49.5 42.1 63.1
119 32.3 26.5 39.7



#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

Tgt Ion: 91 Resp: 96427
Ion Ratio Lower Upper
91 100
106 33.3 25.4 38.0





#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

Instrument :

MSVOA_X

ClientSampleId :

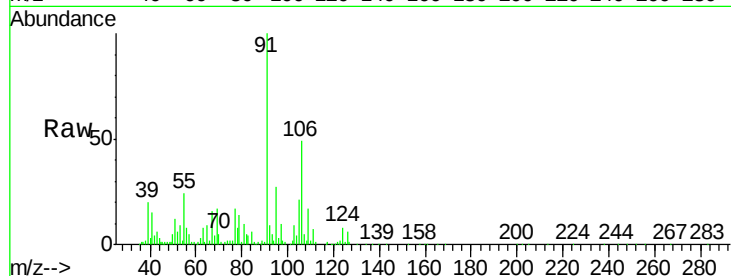
KY001MW019-190207

Tot Ion:106 Resp: 15230

Ion Ratio Lower Upper

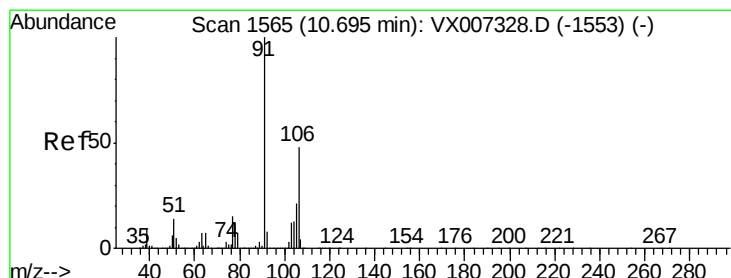
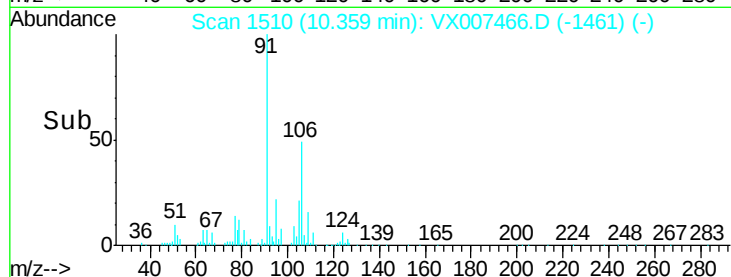
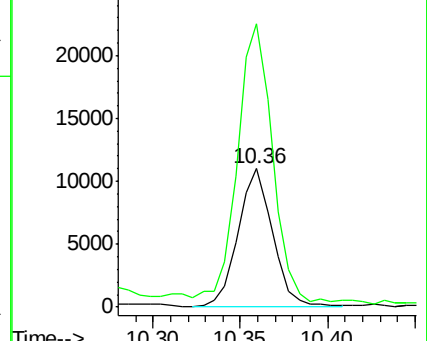
106 100

91 198.8 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.130 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007466.D

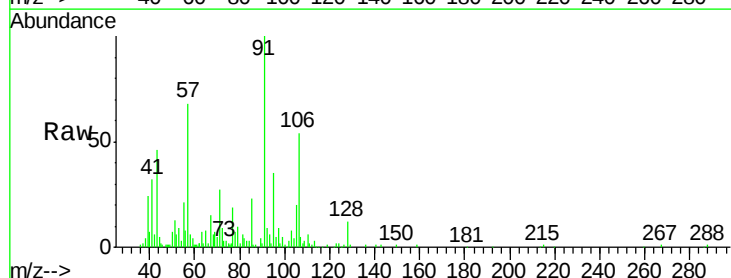
Acq: 11 Feb 2019 14:26

Tgt Ion:106 Resp: 11857

Ion Ratio Lower Upper

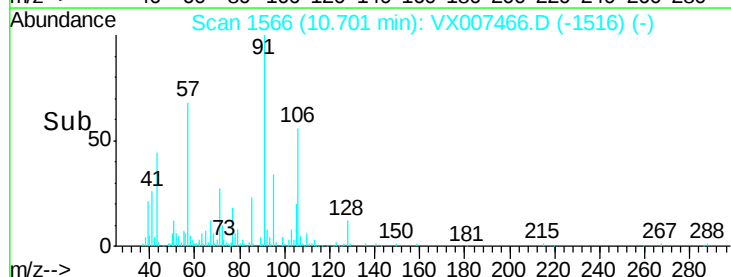
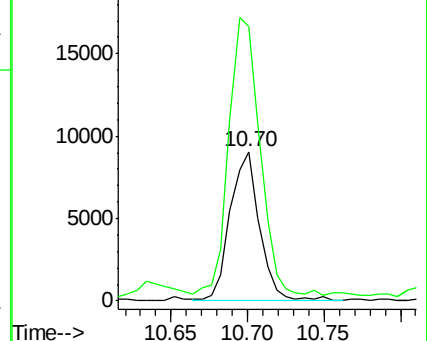
106 100

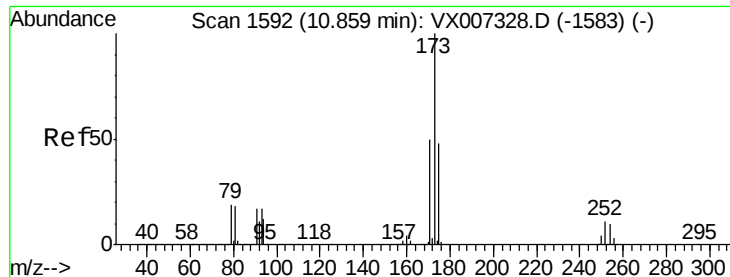
91 195.8 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#71

Bromoform

Concen: 4.053 ug/l

RT: 10.85 min Scan# 1590

Delta R.T. -0.01 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

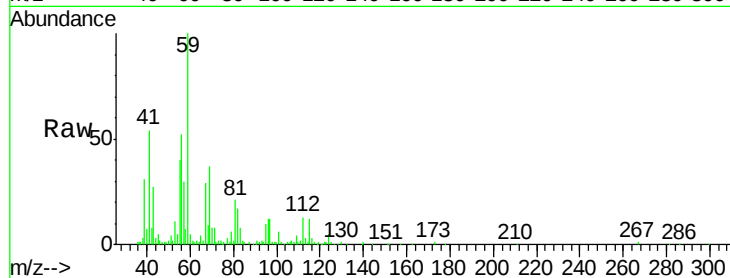
Tot Ion:173 Resp: 128

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

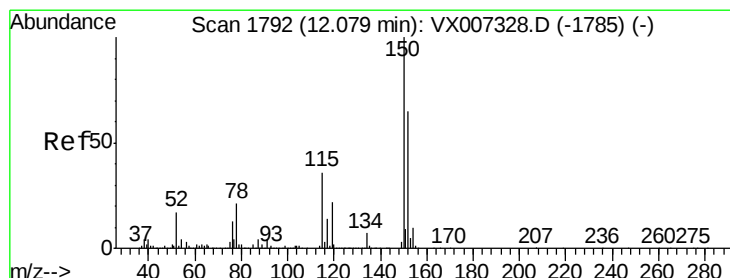
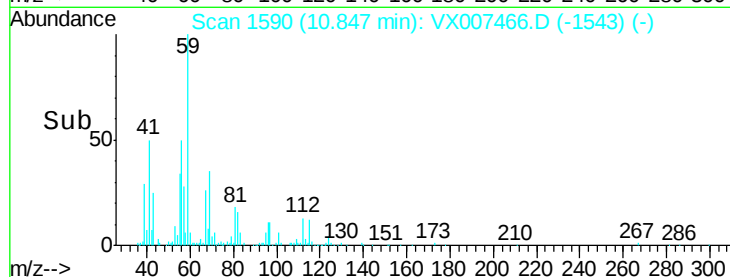
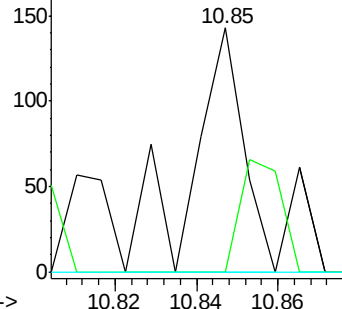
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#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

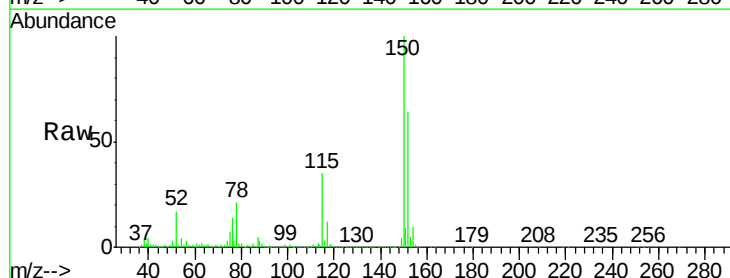
Tgt Ion:152 Resp: 388191

Ion Ratio Lower Upper

152 100

115 56.2 38.0 114.0

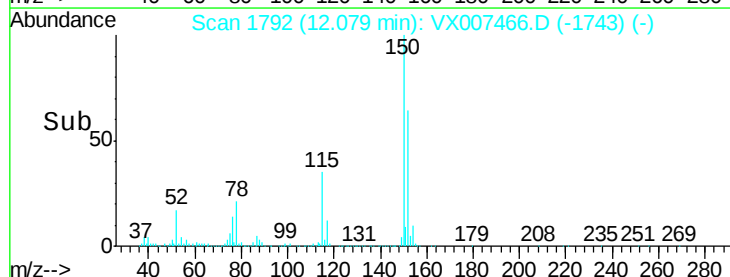
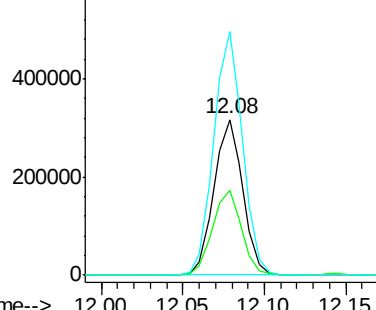
150 156.9 0.0 346.4

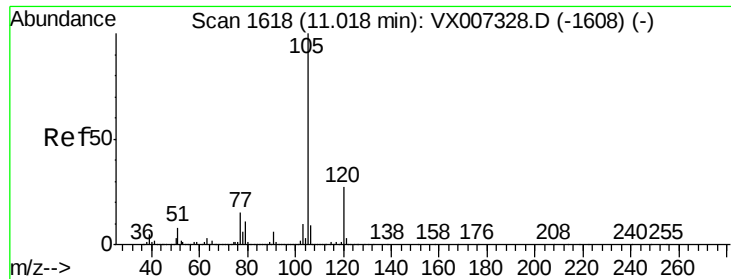


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 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 :

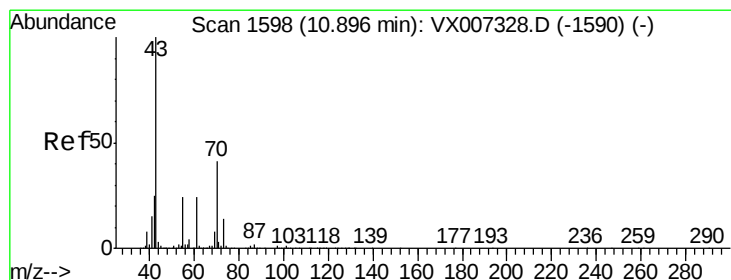
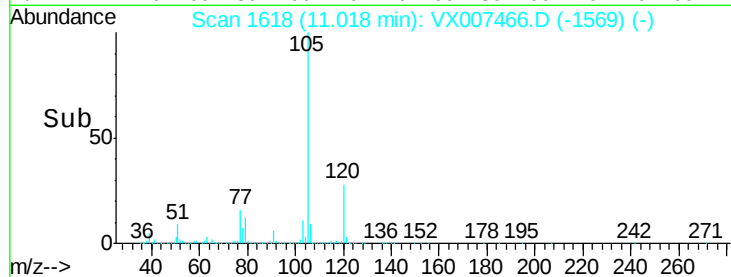
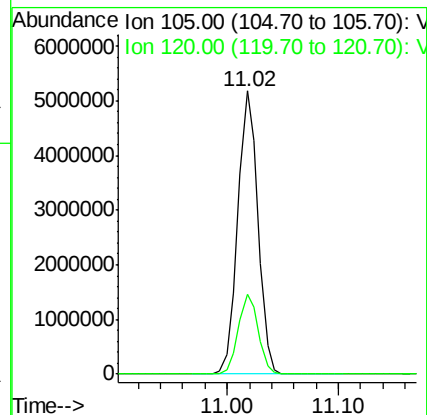
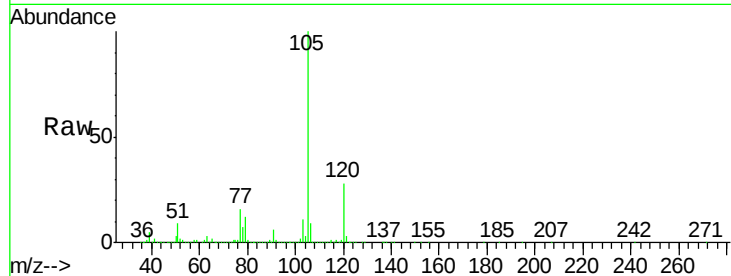
KY001MW019-190207

Tot Ion:105 Resp: 6460118

Ion Ratio Lower Upper

105 100

120 28.1 13.6 40.7



#74

N-ethyl acetate

Concen: 0.373 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Tgt Ion: 43 Resp: 3803

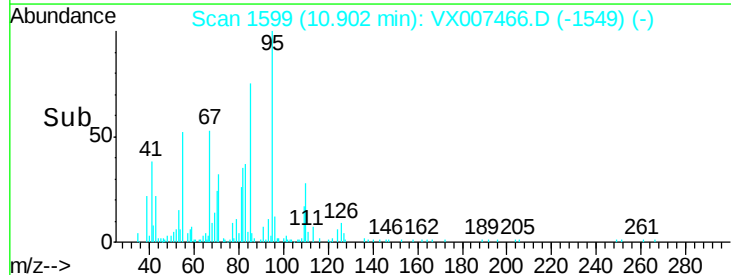
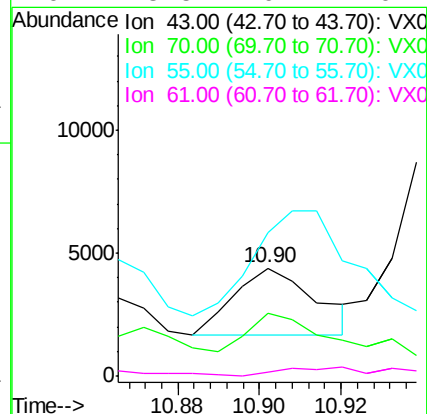
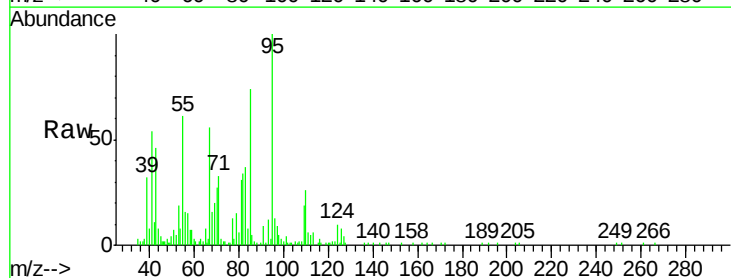
Ion Ratio Lower Upper

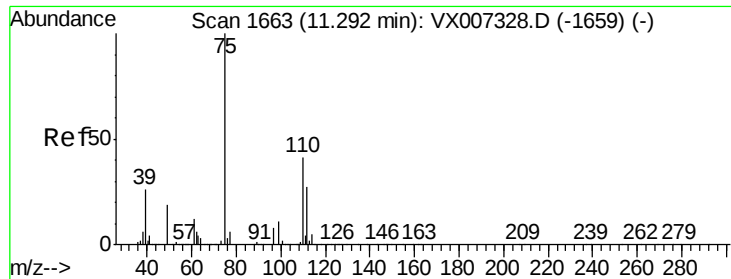
43 100

70 115.8 33.8 50.6#

55 183.2 19.5 29.3#

61 18.5 19.4 29.2#





#76

1,2,3-Trichloropropane

Concen: 5.710 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

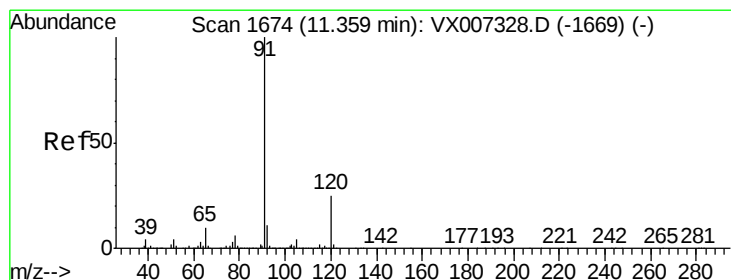
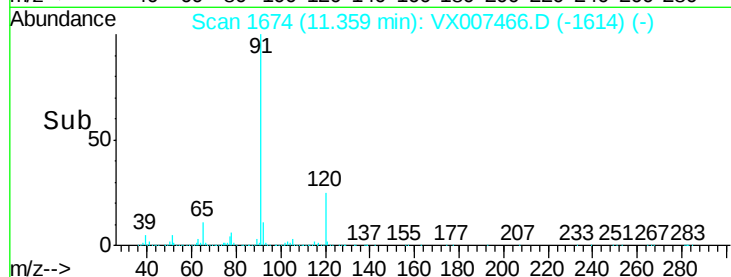
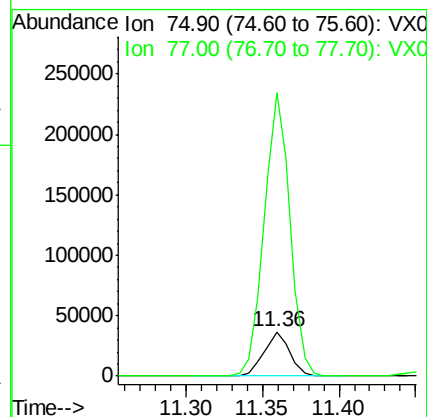
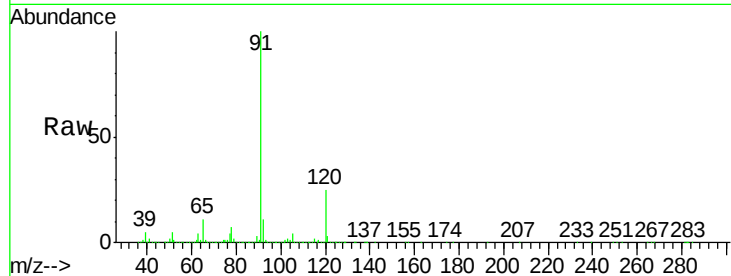
KY001MW019-190207

Tot Ion: 75 Resp: 43115

Ion Ratio Lower Upper

75 100

77 639.7 23.0 69.0#



#78

n-propylbenzene

Concen: 240.577 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007466.D

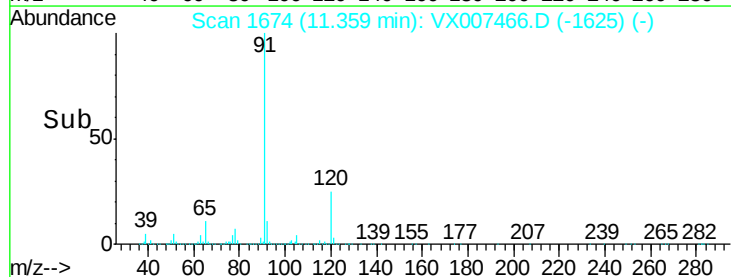
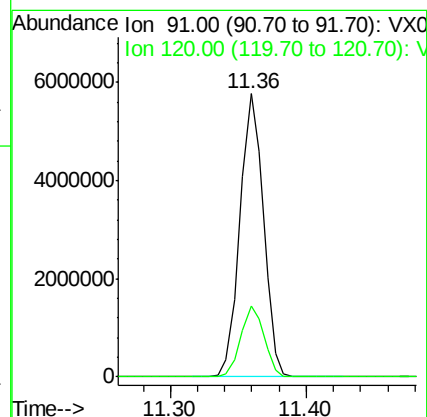
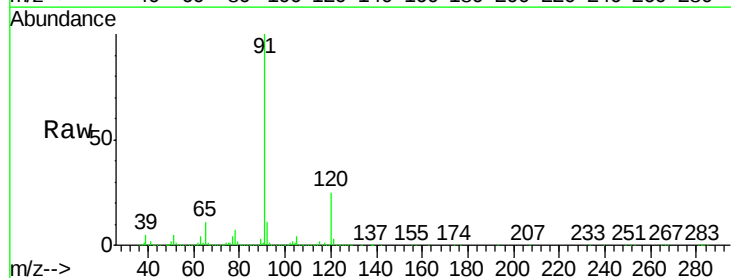
Acq: 11 Feb 2019 14:26

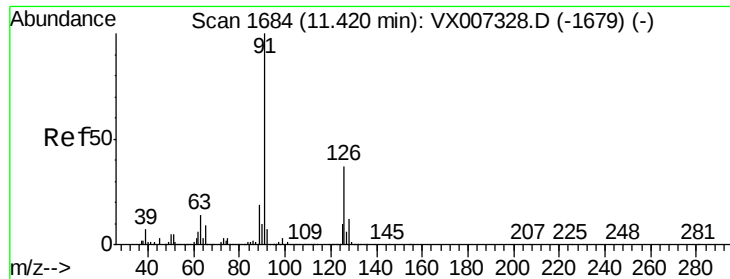
Tgt Ion: 91 Resp: 6959165

Ion Ratio Lower Upper

91 100

120 24.8 12.4 37.2





#79

2-Chlorotoluene

Concen: 396.482 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

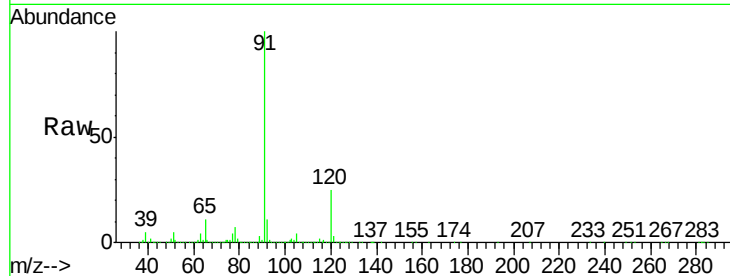
KY001MW019-190207

Tot Ion: 91 Resp: 6959165

Ion Ratio Lower Upper

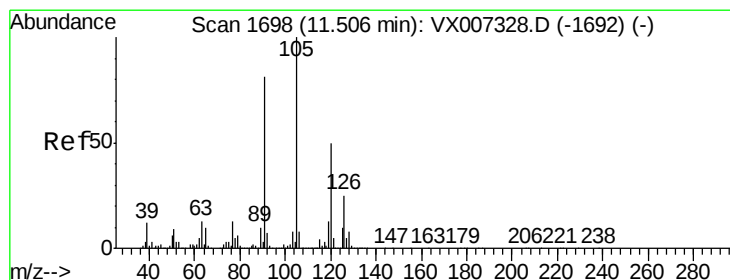
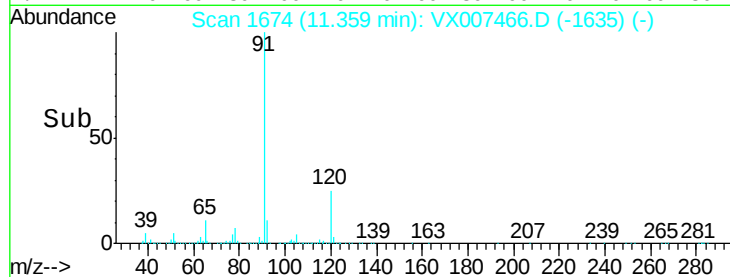
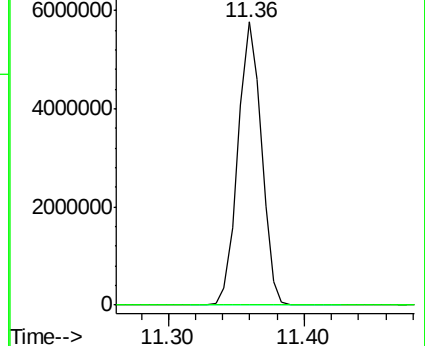
91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.071 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. 0.16 min

Lab File: VX007466.D

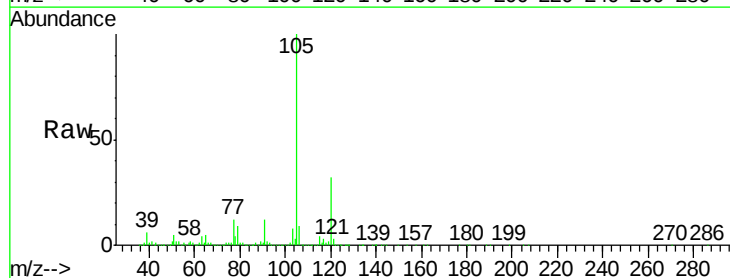
Acq: 11 Feb 2019 14:26

Tgt Ion:105 Resp: 454754

Ion Ratio Lower Upper

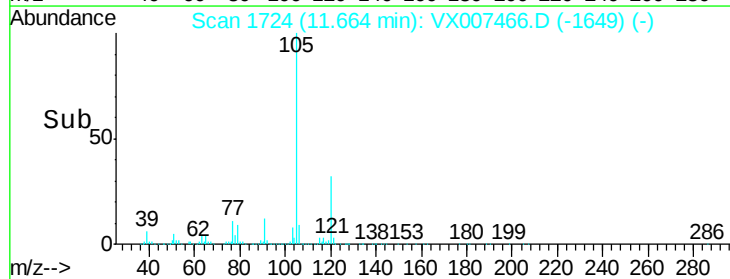
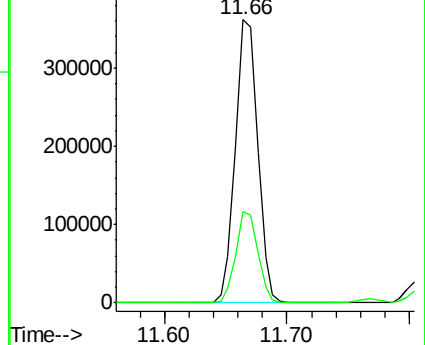
105 100

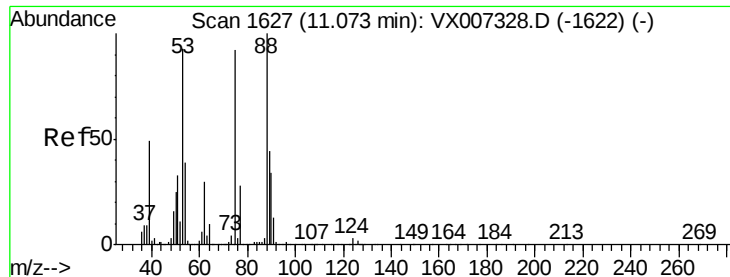
120 31.8 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

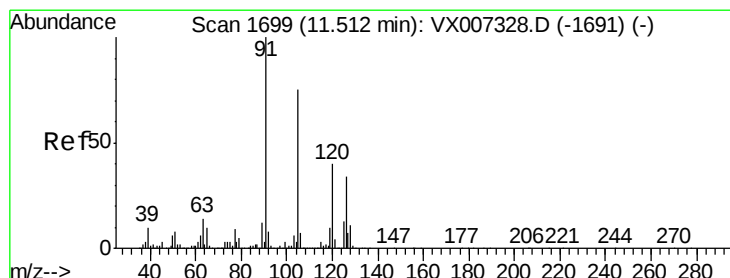
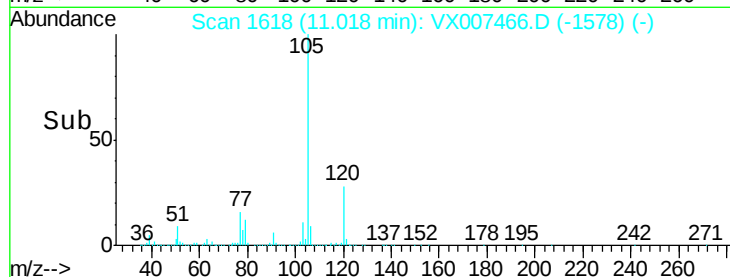
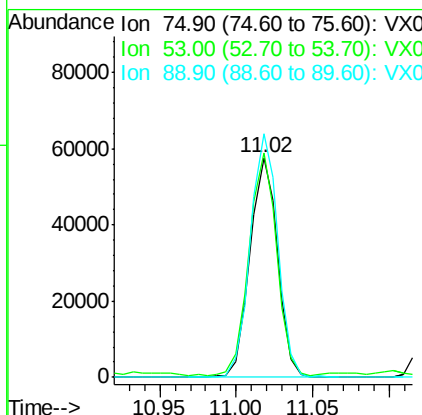
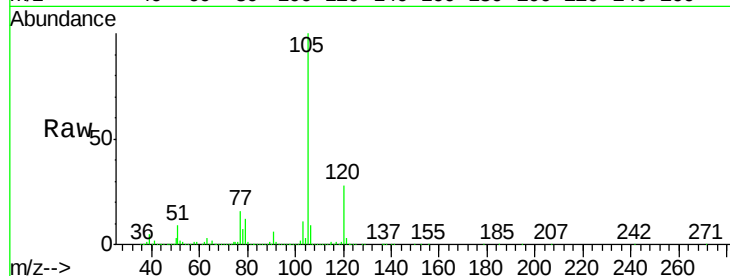




#81
trans-1,4-Dichloro-2-butene
Concen: 31.227 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.05 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

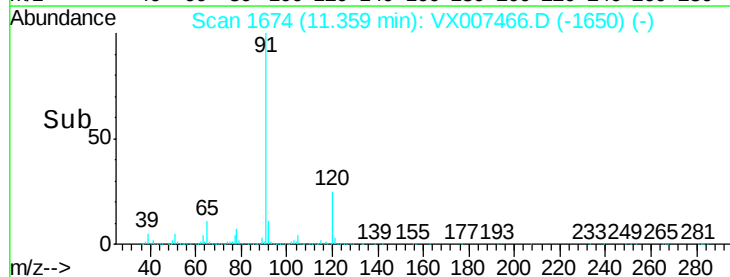
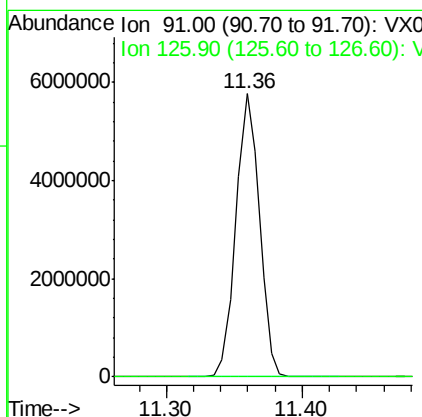
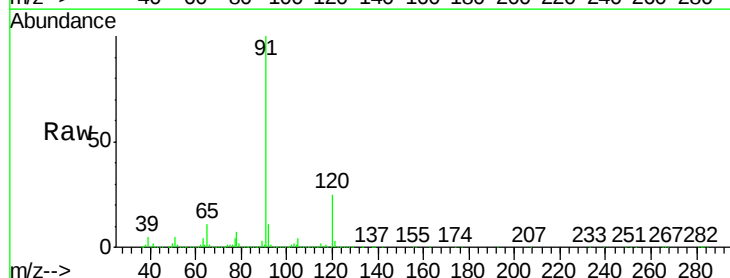
Instrument :
MSVOA_X
ClientSampleId :
KY001MW019-190207

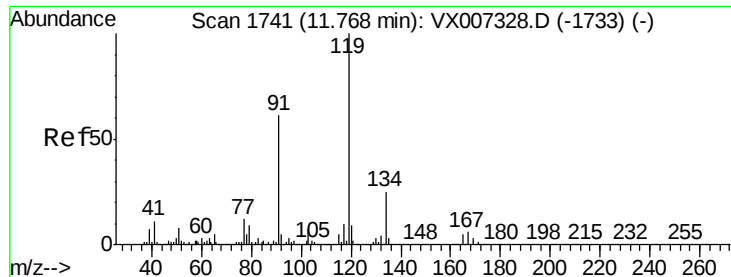
Tot Ion: 75 Resp: 72048
Ion Ratio Lower Upper
75 100
53 101.0 81.0 121.6
89 111.0 41.4 62.0#



#82
4-Chlorotoluene
Concen: 342.650 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.15 min
Lab File: VX007466.D
Acq: 11 Feb 2019 14:26

Tgt Ion: 91 Resp: 6959165
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.5#





#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

ClientSampled :

KY001MW019-190207

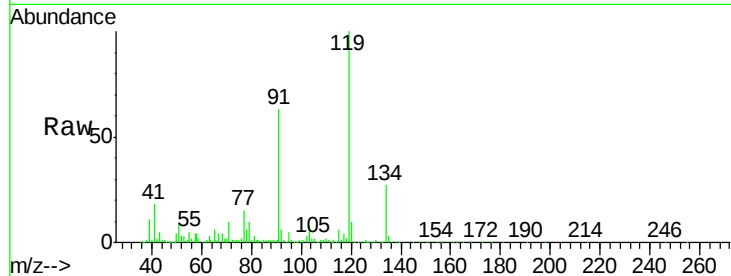
Tot Ion:119 Resp: 66871

Ion Ratio Lower Upper

119 100

91 63.6 28.5 85.6

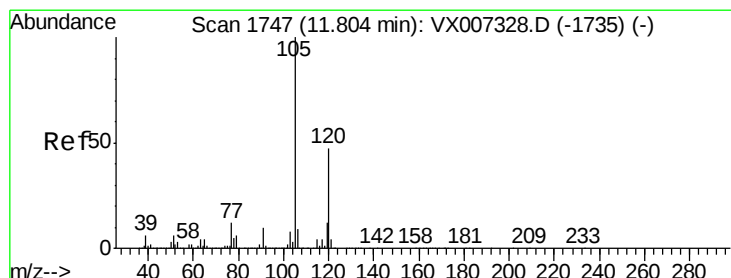
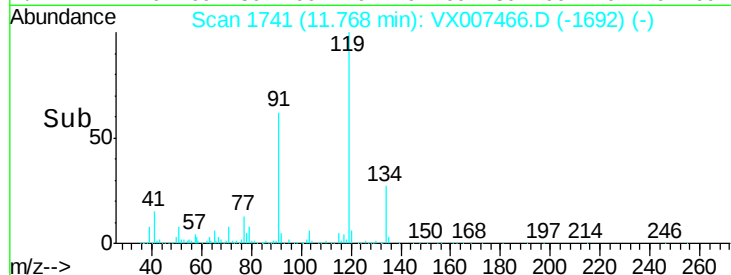
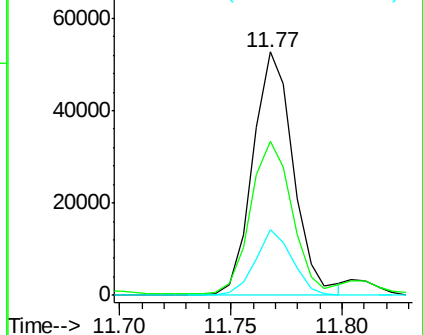
134 24.6 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#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

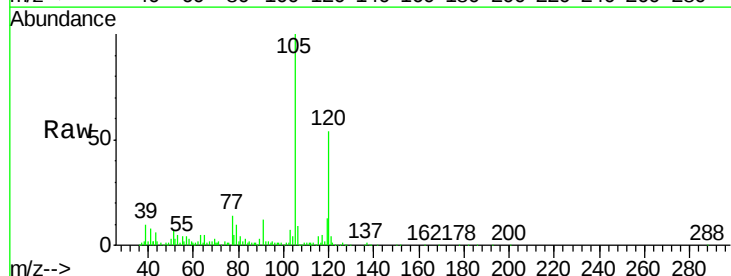
Acq: 11 Feb 2019 14:26

Tgt Ion:105 Resp: 34490

Ion Ratio Lower Upper

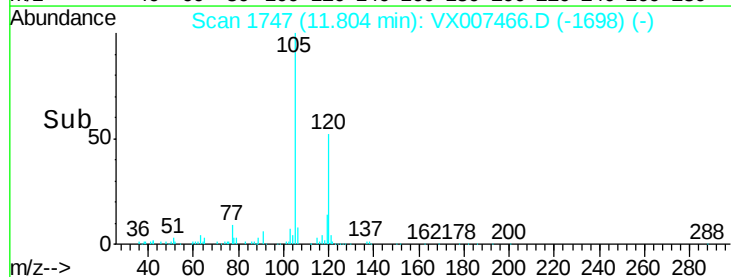
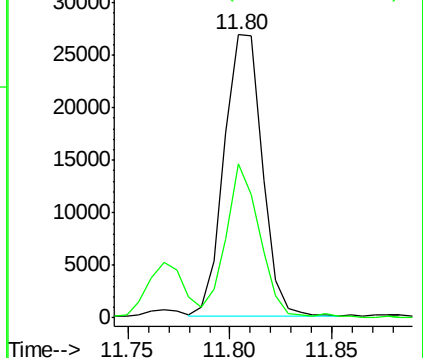
105 100

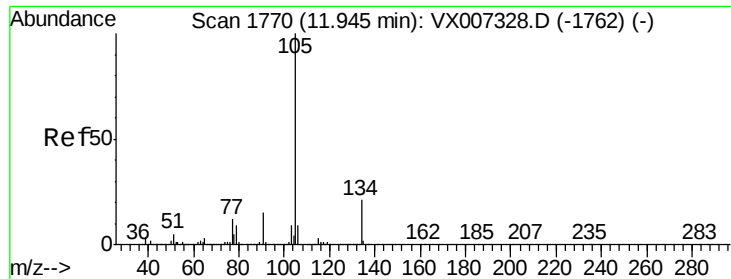
120 47.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 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 :

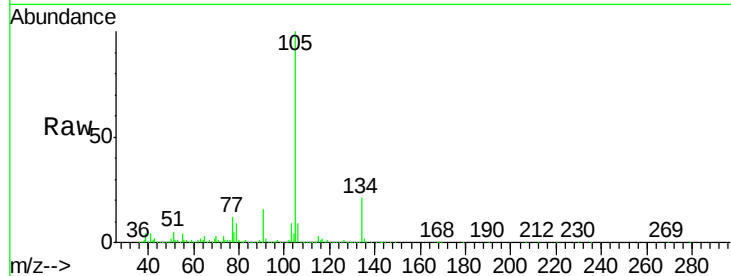
KY001MW019-190207

Tot Ion:105 Resp: 523066

Ion Ratio Lower Upper

105 100

134 19.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

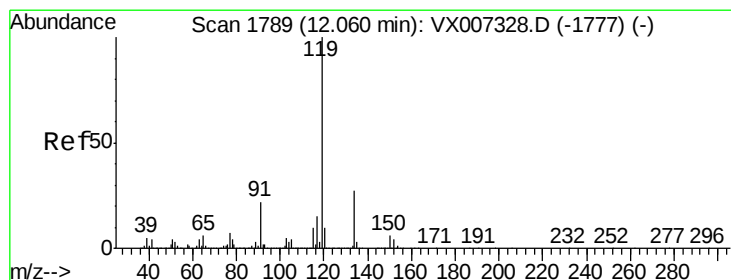
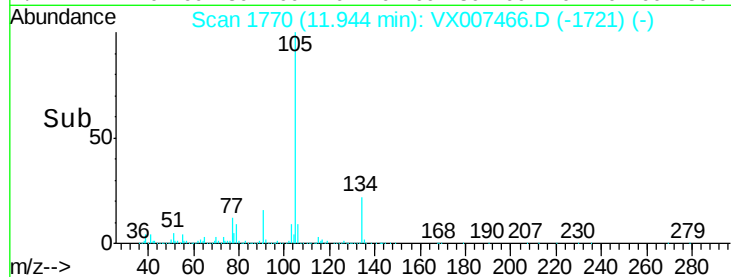
200000

100000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 14.751 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

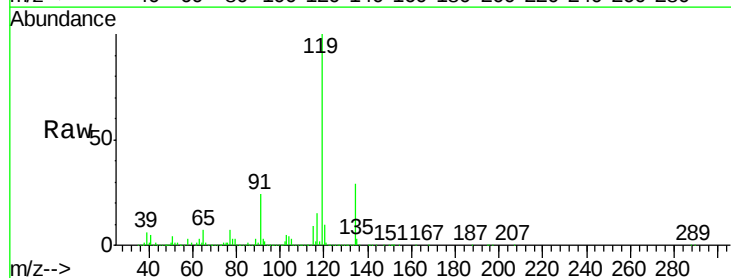
Tgt Ion:119 Resp: 344364

Ion Ratio Lower Upper

119 100

134 29.6 13.7 41.1

91 23.5 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

3000000

2500000

2000000

1500000

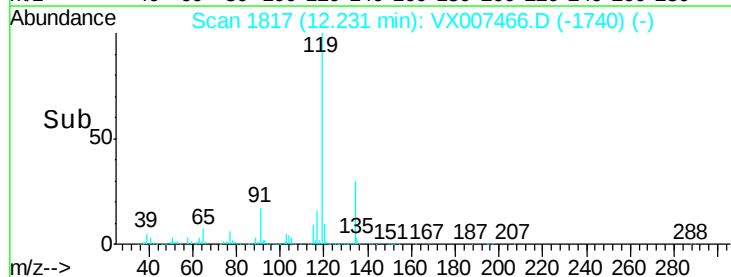
1000000

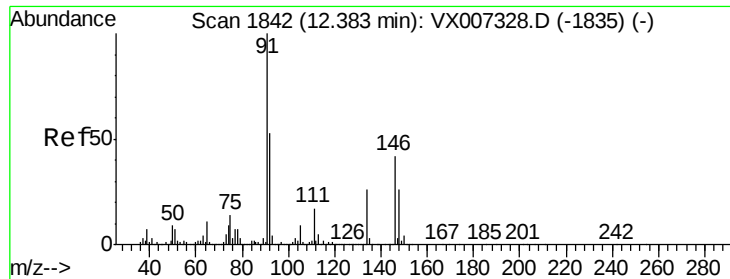
500000

0

Time-->

12.15 12.20 12.25





#89

n-Butylbenzene

Concen: 9.891 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

KY001MW019-190207

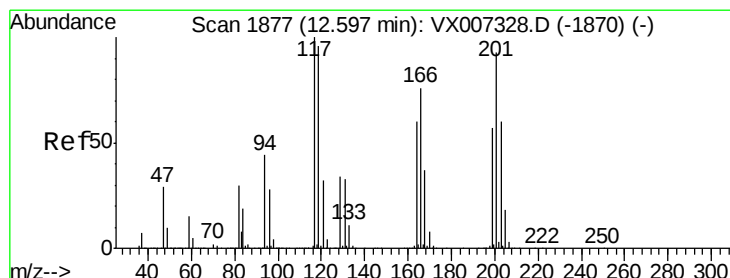
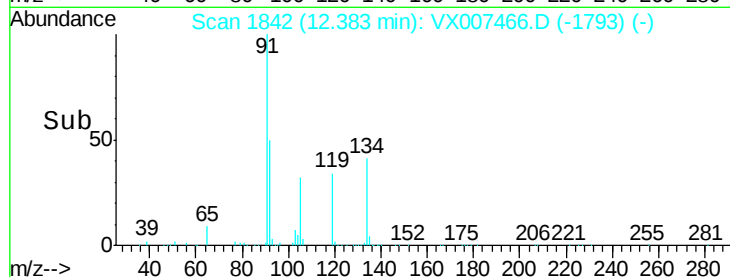
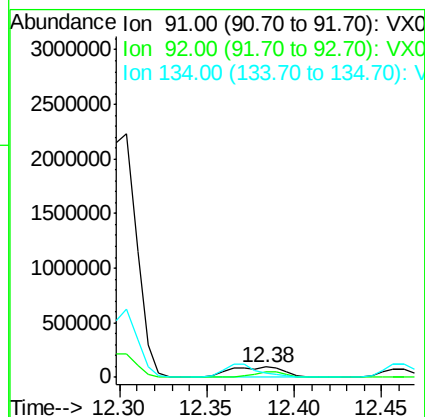
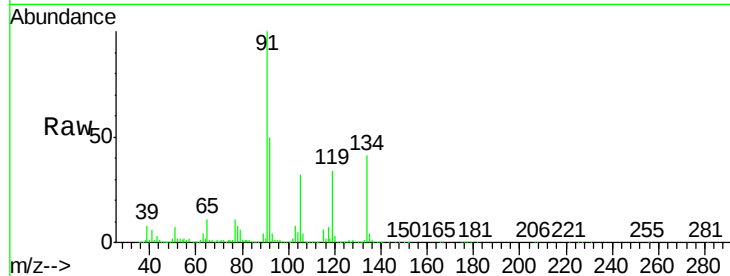
Tot Ion: 91 Resp: 198642

Ion Ratio Lower Upper

91 100

92 32.1 26.3 78.9

134 88.3 13.9 41.6#



#90

Hexachloroethane

Concen: 278.585 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX007466.D

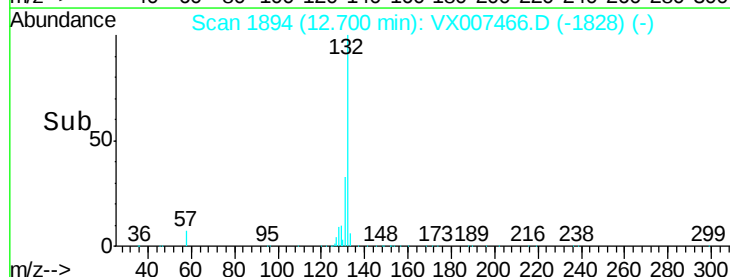
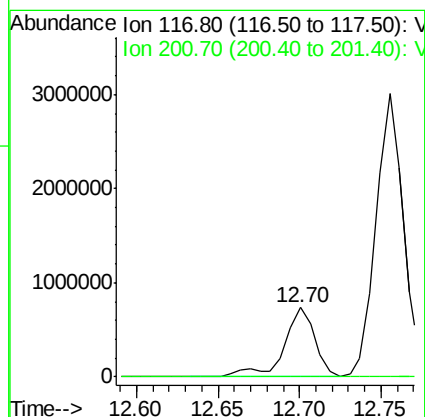
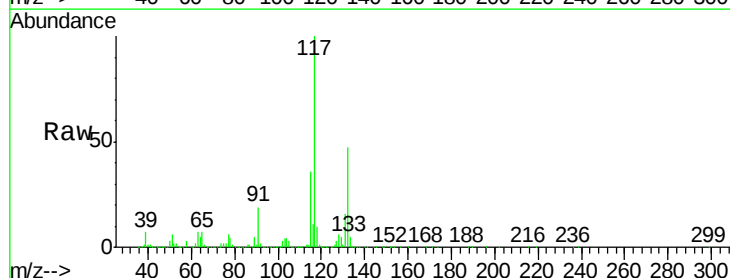
Acq: 11 Feb 2019 14:26

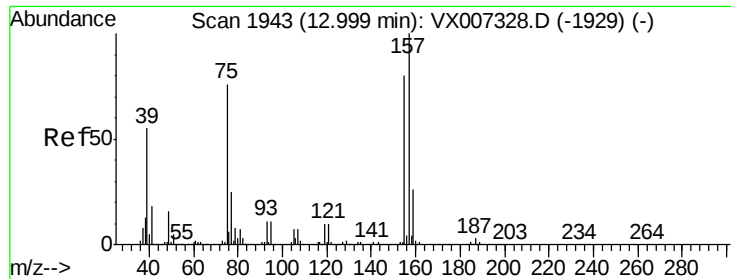
Tgt Ion: 117 Resp: 973335

Ion Ratio Lower Upper

117 100

201 0.0 44.9 134.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.756 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Instrument :

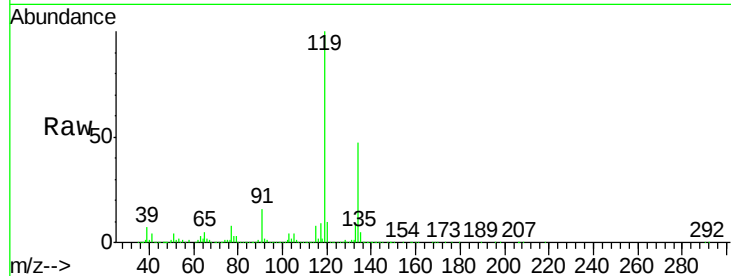
MSVOA_X

ClientSampleId :

KY001MW019-190207

Tot Ion: 75 Resp: 17980

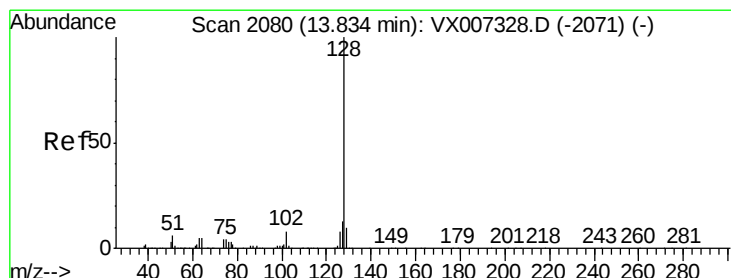
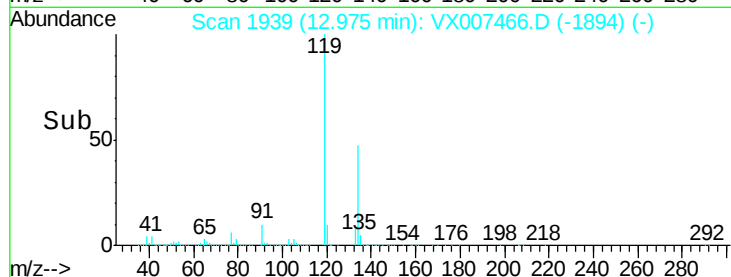
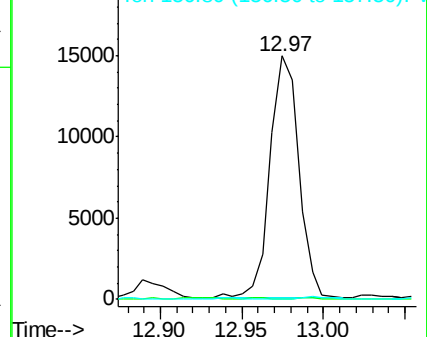
Ion	Ratio	Lower	Upper
75	100		
155	0.5	49.6	149.0#
157	0.0	65.1	195.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 3.970 ug/l

RT: 13.83 min Scan# 2080

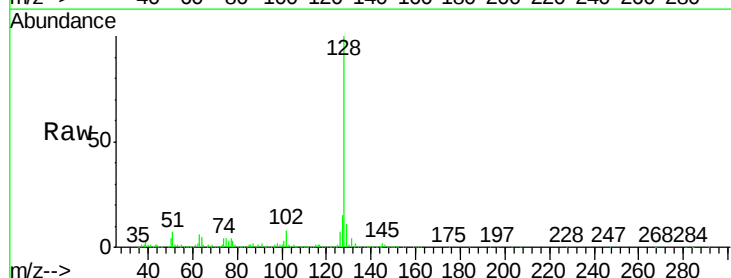
Delta R.T. -0.00 min

Lab File: VX007466.D

Acq: 11 Feb 2019 14:26

Tgt Ion: 128 Resp: 103923

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



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

