

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
 Data File : VX007468.D
 Acq On : 11 Feb 2019 15:19
 Operator : JC/SP
 Sample : K1433-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-190207

Quant Time: Feb 12 00:03:32 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	5.66	168	569899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	852644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	813399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	439622	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	287272	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
35) Dibromofluoromethane	5.51	113	266163	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	1039892	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	431602	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	252	0.213	ug/l #	24
3) Chloromethane	1.32	50	7438	1.159	ug/l #	61
5) Bromomethane	1.65	94	341	Below Cal	#	52
11) Tert butyl alcohol	3.07	59	246641	197.022	ug/l #	73
13) Acrolein	2.28	56	1329	2.264	ug/l #	1
14) Allyl chloride	2.71	41	8316	0.938	ug/l #	24
15) Acrylonitrile	3.20	53	72645	23.458	ug/l #	32
16) Acetone	2.45	43	15233	5.498	ug/l	99
17) Carbon Disulfide	2.57	76	7029	2.594	ug/l	100
18) Methyl Acetate	2.85	43	199222	27.860	ug/l #	51
19) Methyl tert-butyl Ether	3.20	73	5617064	318.634	ug/l	98
20) Methylene Chloride	2.86	84	2022	Below Cal	#	1
23) Vinyl Acetate	3.81	43	7410	0.548	ug/l #	78
25) 2-Butanone	4.71	43	4099	1.039	ug/l	93
29) Tetrahydrofuran	5.15	42	17824	7.187	ug/l	94
30) Chloroform	5.28	83	29401	3.008	ug/l #	26
31) Cyclohexane	5.58	56	450872	53.601	ug/l	96
36) 1,1-Dichloropropene	5.66	75	34780	4.546	ug/l #	52
38) Carbon Tetrachloride	5.66	117	48485	6.533	ug/l #	16
39) Methylcyclohexane	7.46	83	221062	23.883	ug/l #	88
40) Benzene	6.15	78	6800272	301.760	ug/l	100
41) Methacrylonitrile	5.06	41	4563	1.101	ug/l #	46
42) 1,2-Dichloroethane	6.15	62	65916	8.454	ug/l #	74
43) Isopropyl Acetate	6.45	43	89303	7.481	ug/l #	20
46) Dibromomethane	7.64	93	1384	0.337	ug/l #	1
47) Bromodichloromethane	7.84	83	3459	0.497	ug/l #	76
48) Methyl methacrylate	7.73	41	27942	4.680	ug/l #	54
49) 1,4-Dioxane	7.77	88	286	8.971	ug/l #	25
51) 4-Methyl-2-Pentanone	8.65	43	53395	6.795	ug/l	96
52) Toluene	8.79	92	128895	8.865	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	42695	7.045	ug/l #	20
56) Ethyl methacrylate	9.16	69	9425	1.123	ug/l #	1
59) 2-Hexanone	9.51	43	33525	5.483	ug/l	81
65) Chlorobenzene	10.33	112	20398	1.149	ug/l #	51

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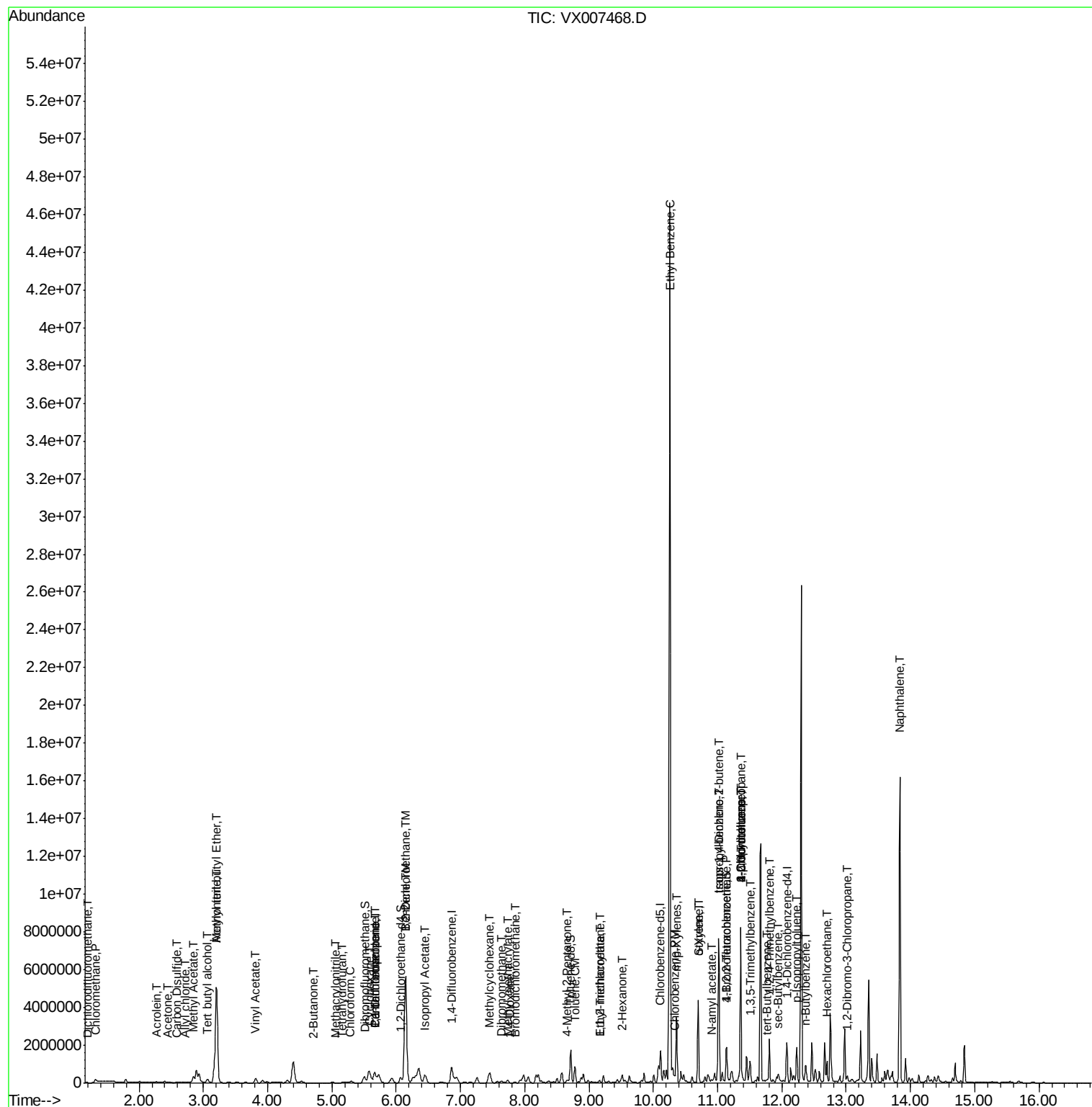
67) Ethyl Benzene	10.25	91	16897874	591.163	ug/l #	50
68) m/p-Xylenes	10.36	106	780242	68.668	ug/l	96
69) o-Xylene	10.70	106	918889	84.043	ug/l	98
70) Styrene	10.70	104	78498	4.427	ug/l #	1
73) Isopropylbenzene	11.02	105	3658955	122.477	ug/l	99
74) N-amyl acetate	10.90	43	9134	0.790	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	11.14	83	11715	1.287	ug/l	83
76) 1,2,3-Trichloropropane	11.36	75	27418	3.206	ug/l #	1
78) n-propylbenzene	11.36	91	4567648	139.430	ug/l	99
79) 2-Chlorotoluene	11.36	91	4567648	229.787	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	420780	17.216	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	41576	17.986	ug/l #	39
82) 4-Chlorotoluene	11.36	91	4567648	198.588	ug/l #	43
83) tert-Butylbenzene	11.77	119	33022	1.365	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	980597	39.519	ug/l	99
85) sec-Butylbenzene	11.94	105	171893	5.869	ug/l	97
86) p-Isopropyltoluene	12.23	119	772657	29.226	ug/l	96
89) n-Butylbenzene	12.38	91	201198	8.847	ug/l #	52
90) Hexachloroethane	12.70	117	355639	89.882	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1795	0.948	ug/l #	1
95) Naphthalene	13.83	128	9608525	324.083	ug/l	98

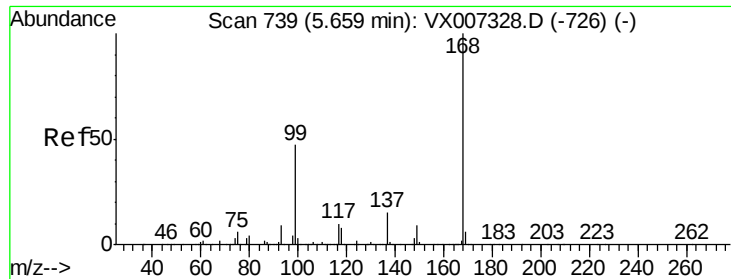
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

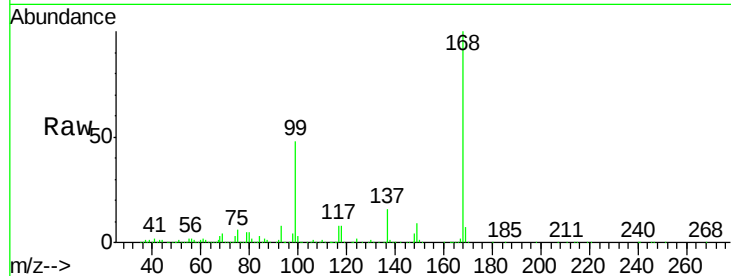
KY001MW031-190207

Tot Ion:168 Resp: 569899

Ion Ratio Lower Upper

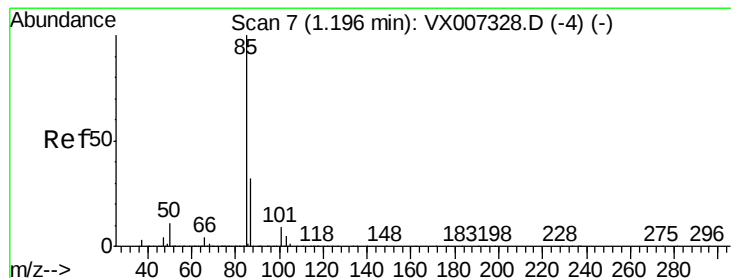
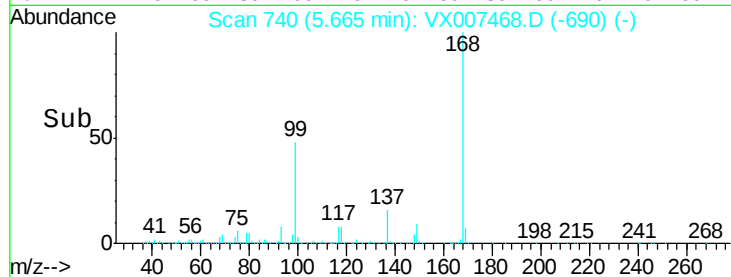
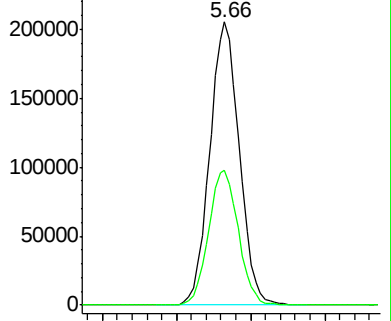
168 100

99 47.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.213 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX007468.D

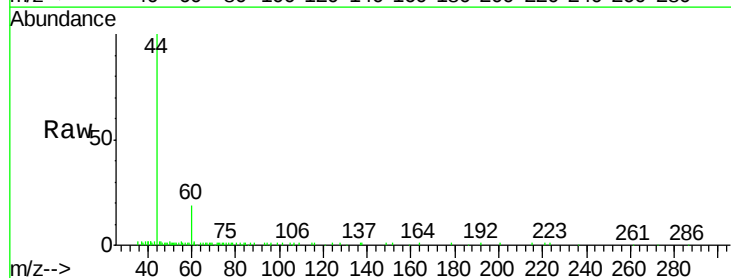
Acq: 11 Feb 2019 15:19

Tgt Ion: 85 Resp: 252

Ion Ratio Lower Upper

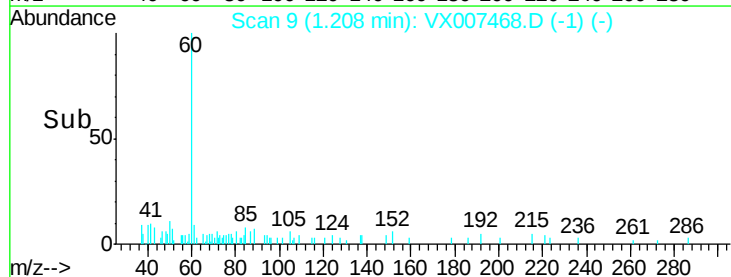
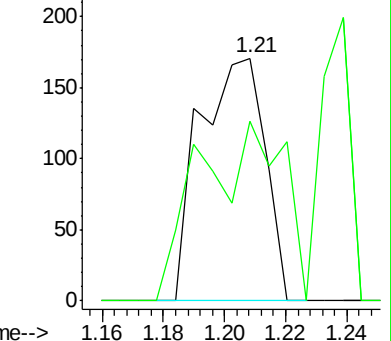
85 100

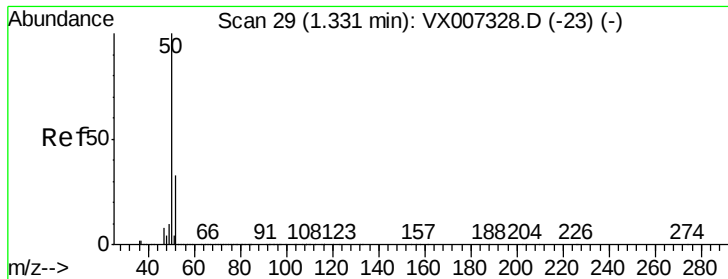
87 73.7 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.159 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

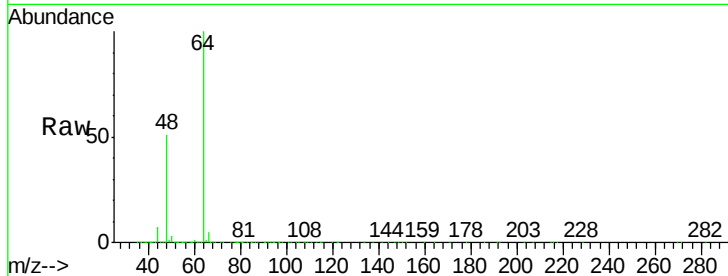
KY001MW031-190207

Tot Ion: 50 Resp: 7438

Ion Ratio Lower Upper

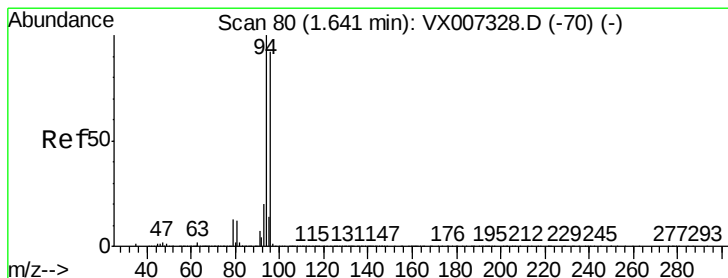
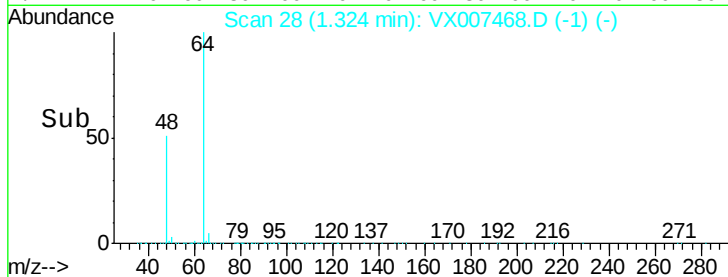
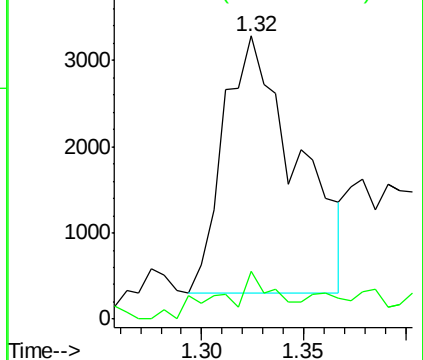
50 100

52 10.7 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007468.D

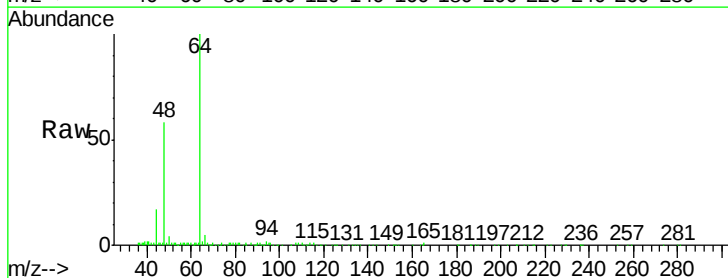
Acq: 11 Feb 2019 15:19

Tgt Ion: 94 Resp: 341

Ion Ratio Lower Upper

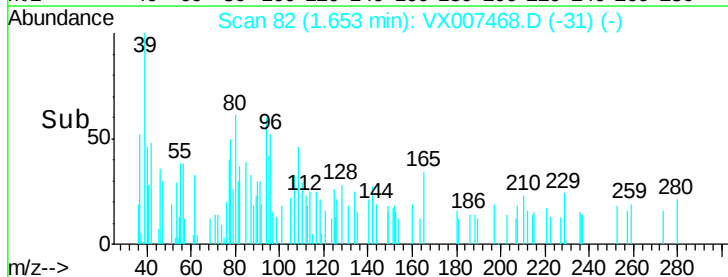
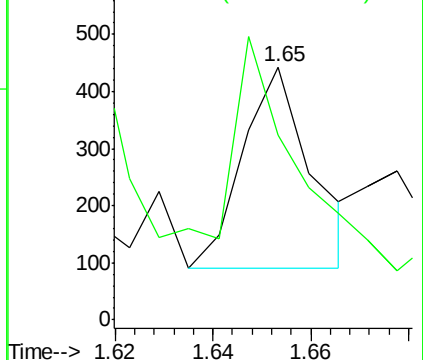
94 100

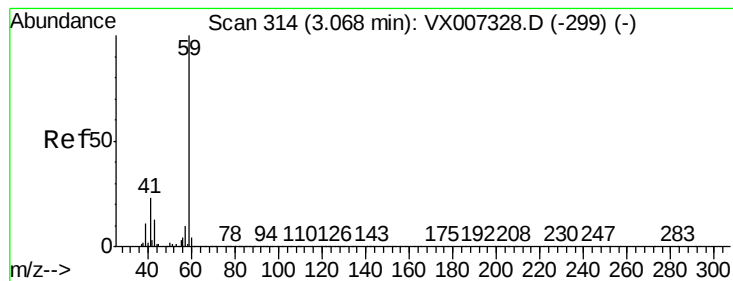
96 46.6 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



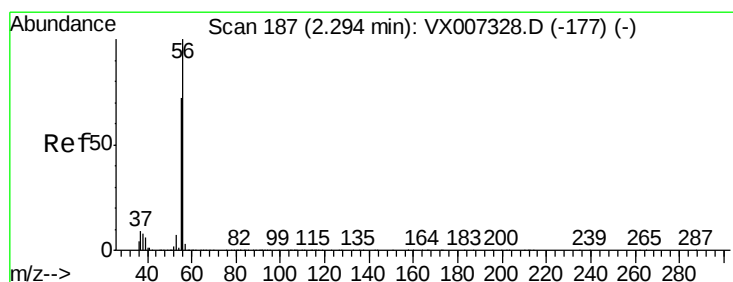
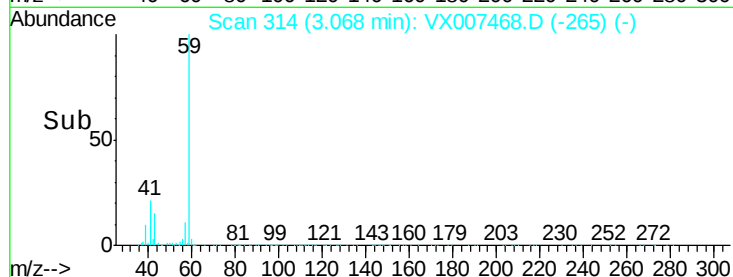
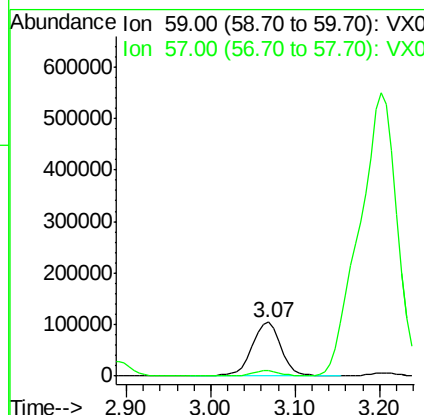
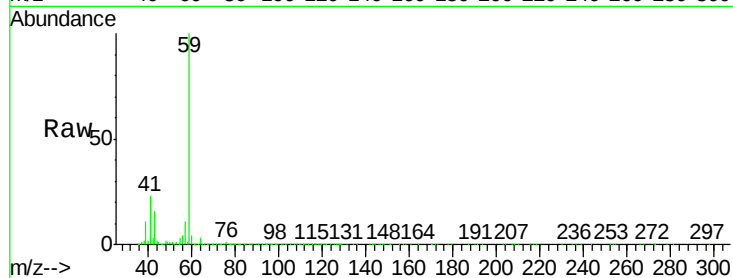


#11

Tert butyl alcohol
Concen: 197.022 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

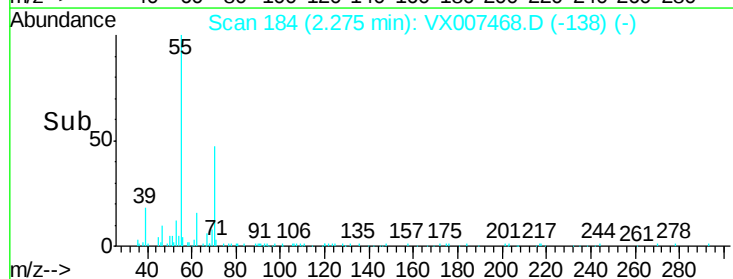
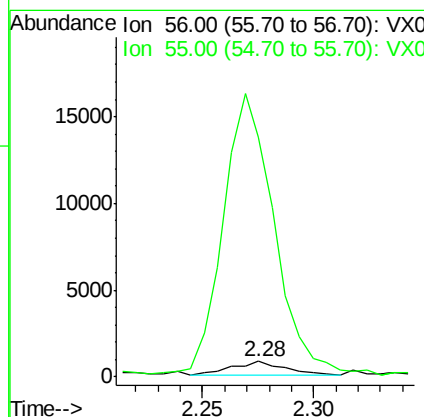
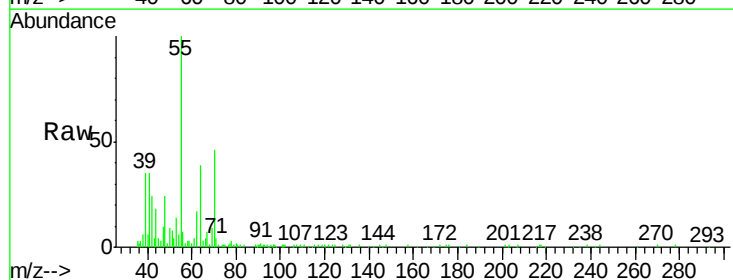
Tot Ion: 59 Resp: 246641
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

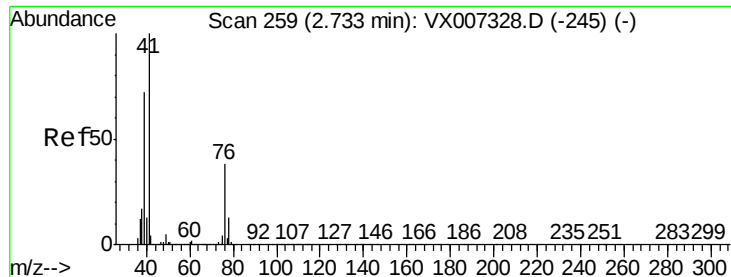


#13

Acrolein
Concen: 2.264 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion: 56 Resp: 1329
Ion Ratio Lower Upper
56 100
55 1937.2 56.9 85.3#





#14

Allvl chloride

Concen: 0.938 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.02 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

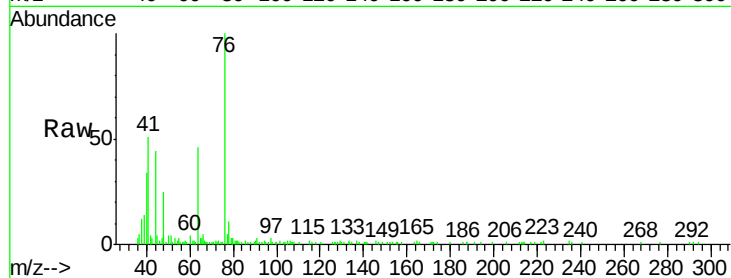
Tot Ion: 41 Resp: 8316

Ion Ratio Lower Upper

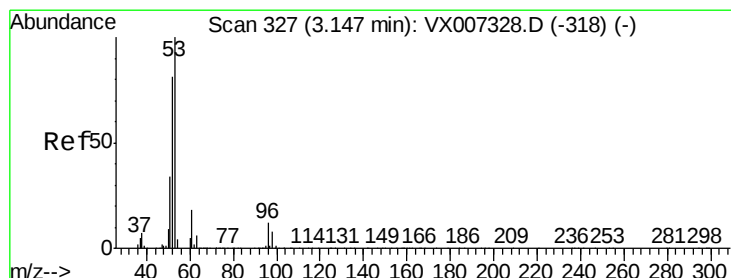
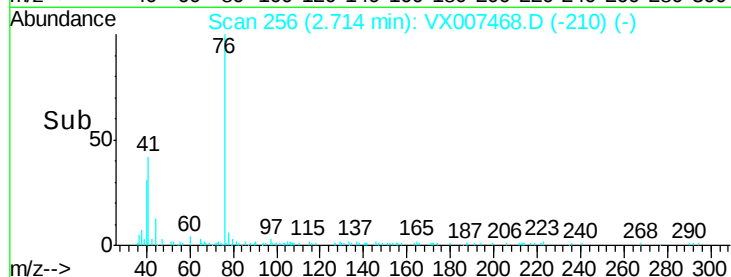
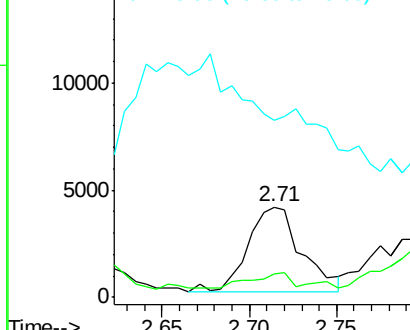
41 100

39 0.0 54.1 81.1#

76 0.0 27.8 41.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 23.458 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.05 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

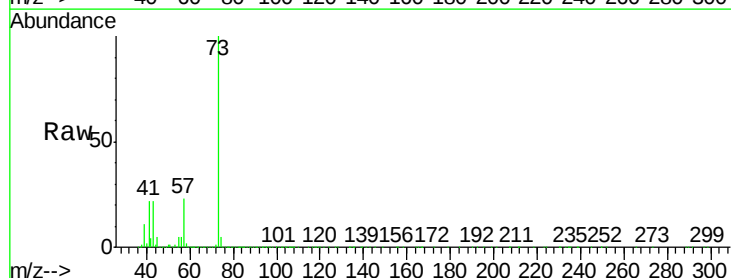
Tgt Ion: 53 Resp: 72645

Ion Ratio Lower Upper

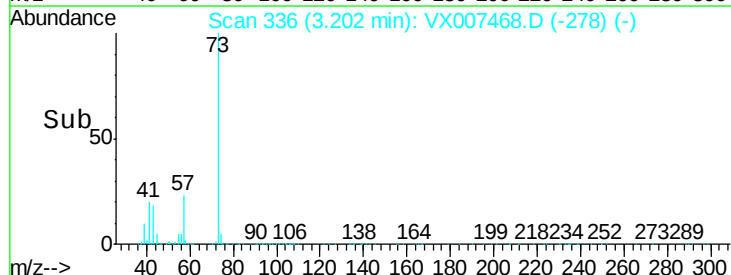
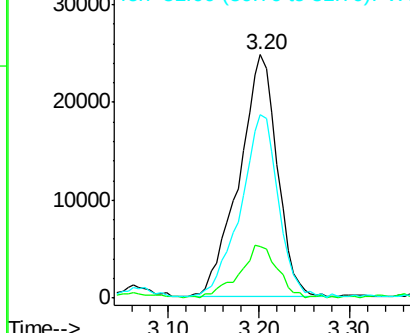
53 100

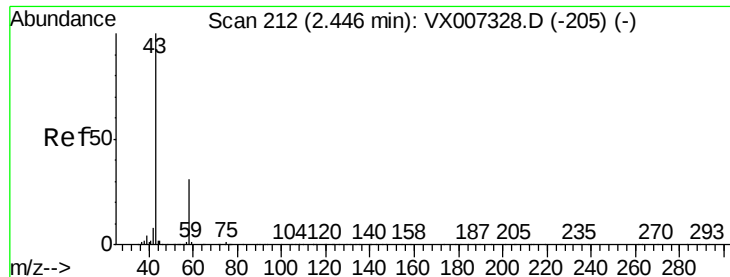
52 20.7 66.4 99.6#

51 74.1 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 5.498 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

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ClientSampleId :

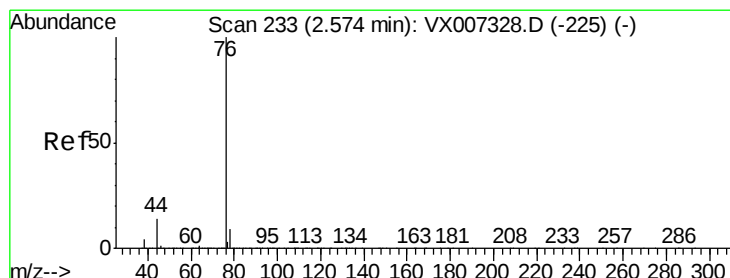
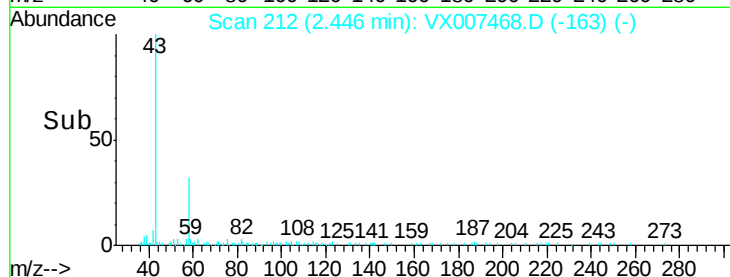
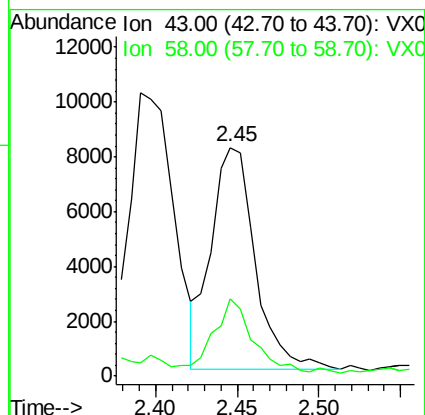
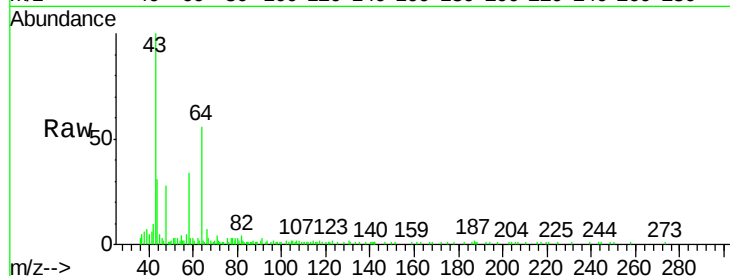
KY001MW031-190207

Tot Ion: 43 Resp: 15233

Ion Ratio Lower Upper

43 100

58 31.8 24.9 37.3



#17

Carbon Disulfide

Concen: 2.594 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007468.D

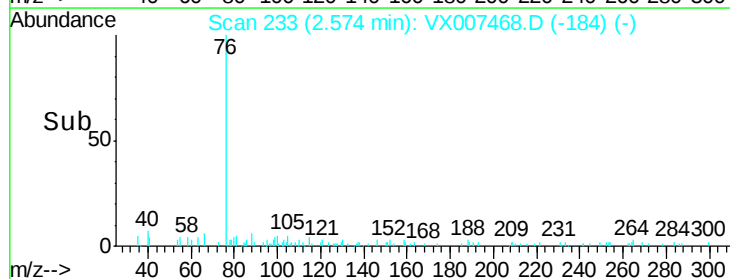
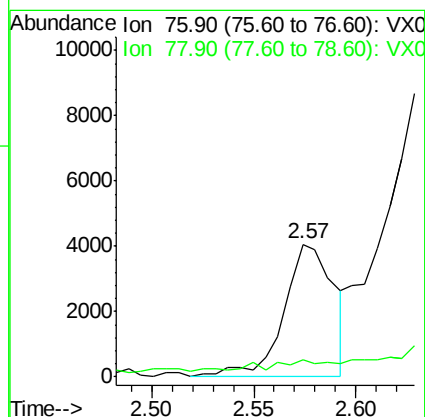
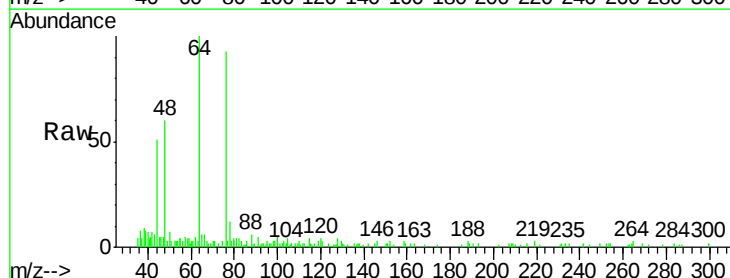
Acq: 11 Feb 2019 15:19

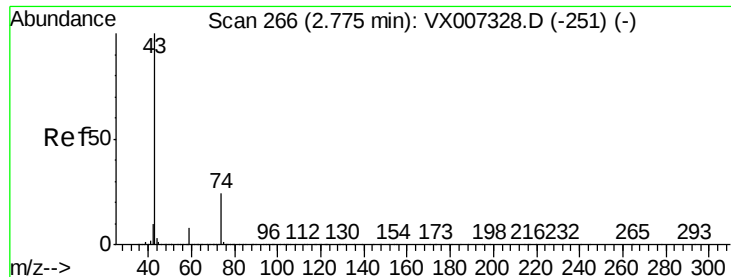
Tgt Ion: 76 Resp: 7029

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

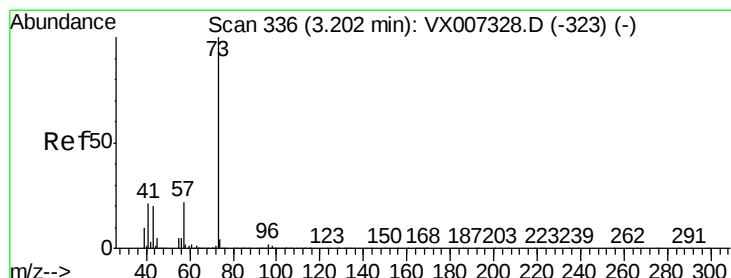
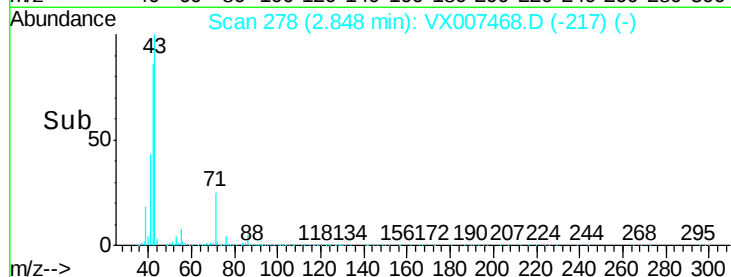
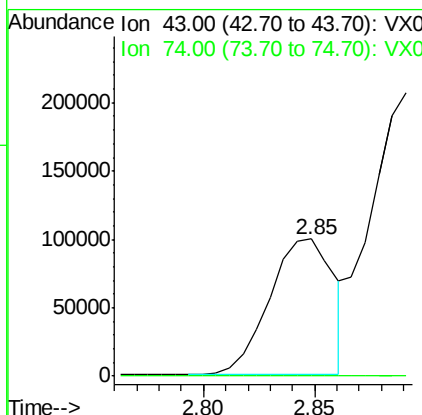
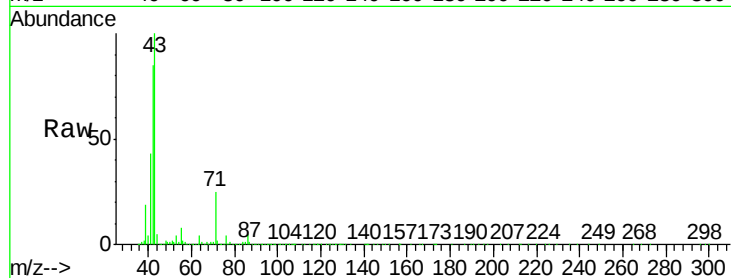




#18
Methyl Acetate
Concen: 27.860 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

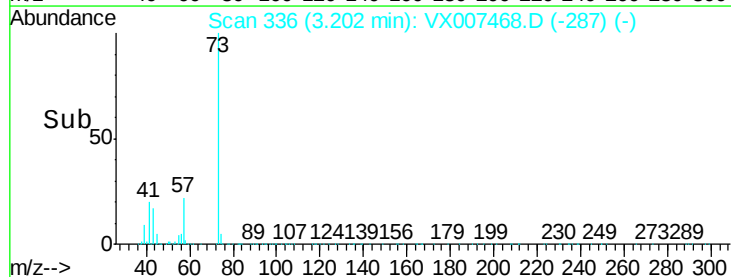
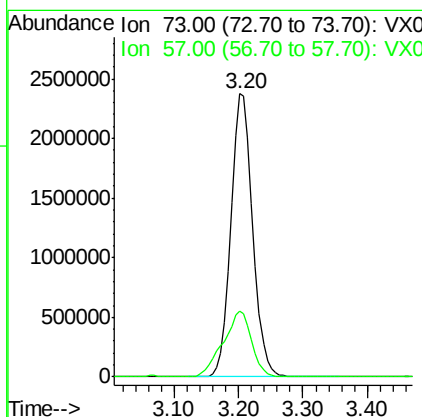
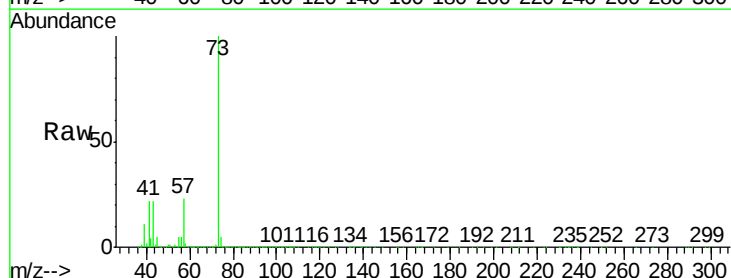
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

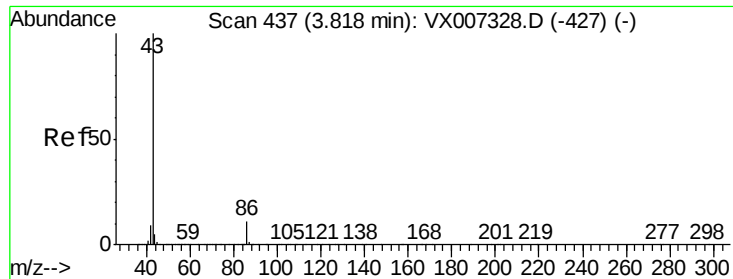
Tot Ion: 43 Resp: 199222
Ion Ratio Lower Upper
43 100
74 0.2 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 318.634 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion: 73 Resp: 5617064
Ion Ratio Lower Upper
73 100
57 23.1 17.8 26.8





#23

Vinyl Acetate

Concen: 0.548 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

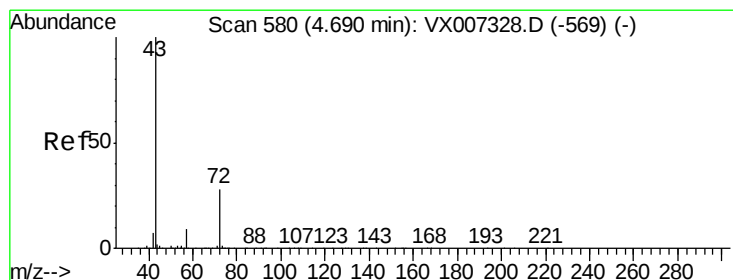
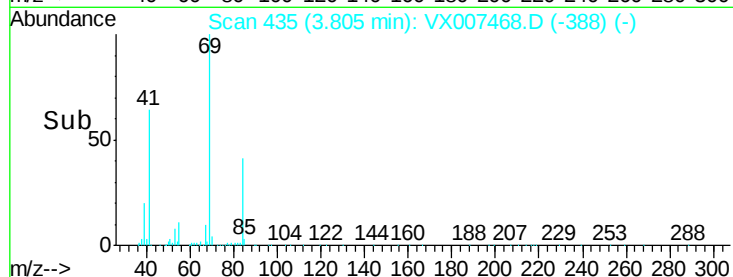
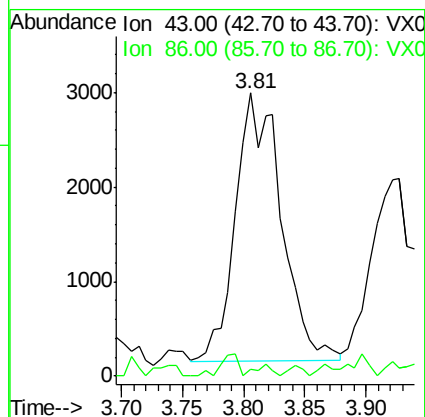
KY001MW031-190207

Tot Ion: 43 Resp: 7410

Ion Ratio Lower Upper

43 100

86 2.5 8.7 13.1#



#25

2-Butanone

Concen: 1.039 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX007468.D

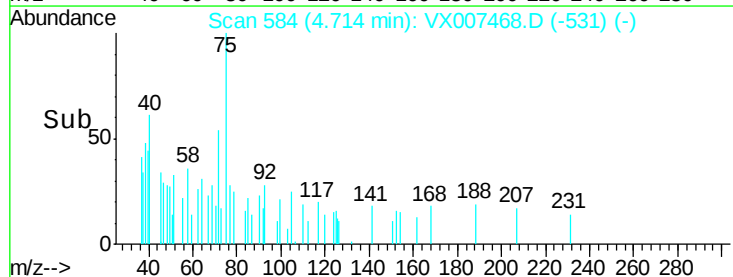
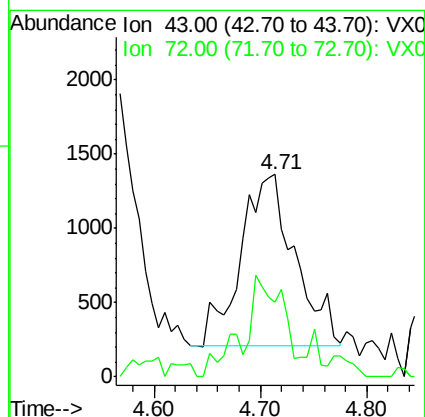
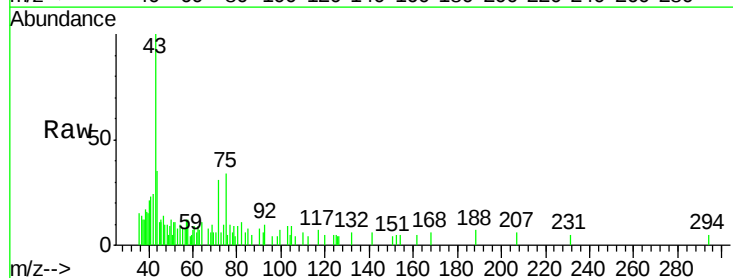
Acq: 11 Feb 2019 15:19

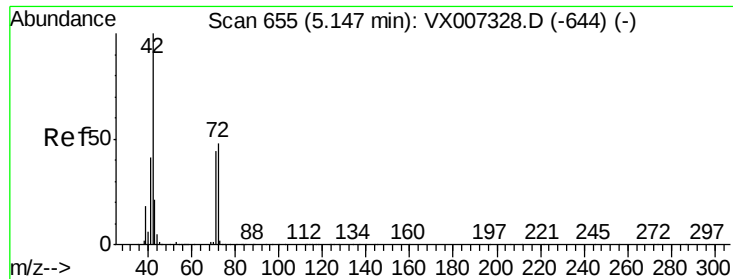
Tgt Ion: 43 Resp: 4099

Ion Ratio Lower Upper

43 100

72 31.3 22.2 33.2





#29

Tetrahydrofuran

Concen: 7.187 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

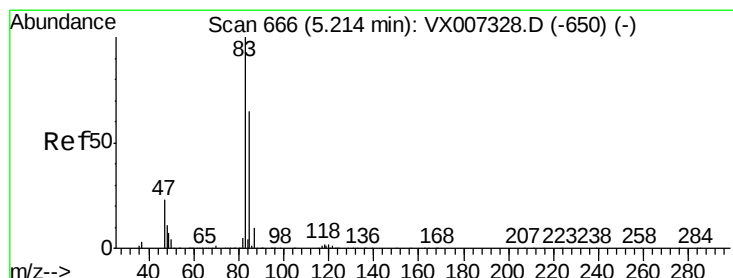
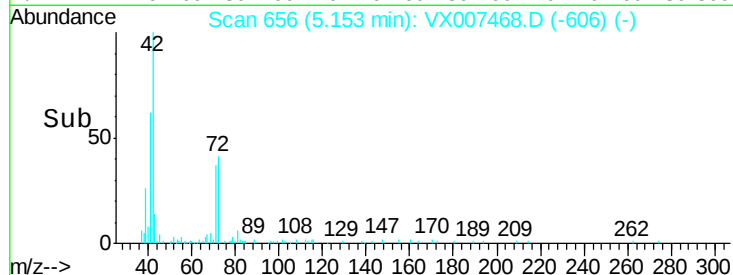
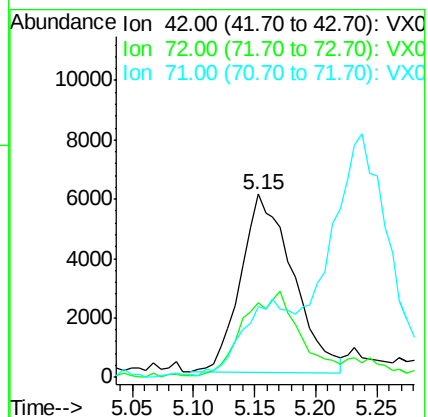
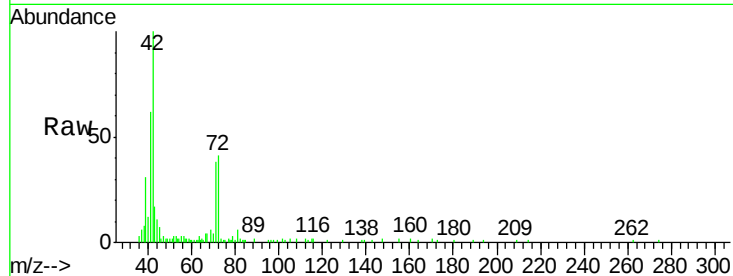
Tot Ion: 42 Resp: 17824

Ion Ratio Lower Upper

42 100

72 50.8 37.6 56.4

71 39.5 34.6 51.8



#30

Chloroform

Concen: 3.008 ug/l

RT: 5.28 min Scan# 677

Delta R.T. 0.07 min

Lab File: VX007468.D

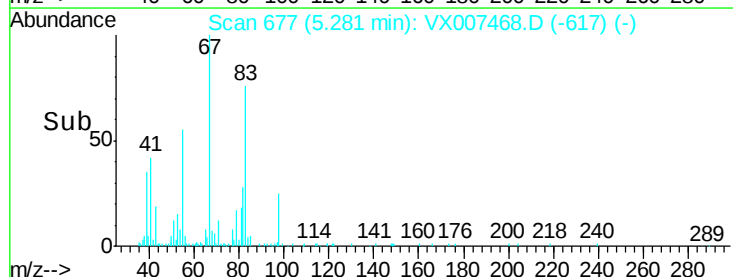
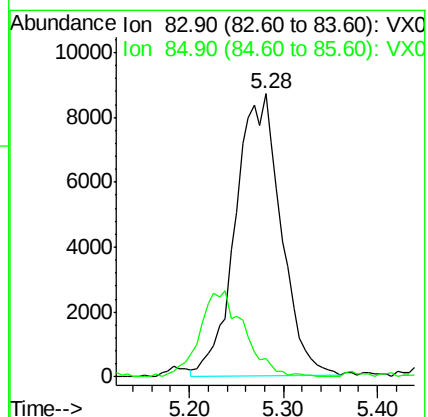
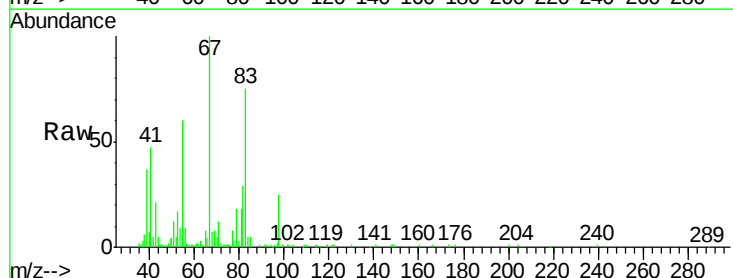
Acq: 11 Feb 2019 15:19

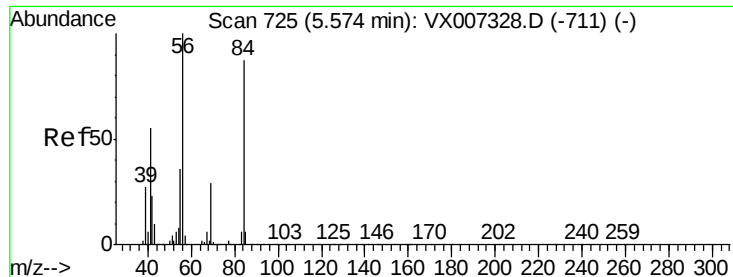
Tgt Ion: 83 Resp: 29401

Ion Ratio Lower Upper

83 100

85 6.5 51.6 77.4#

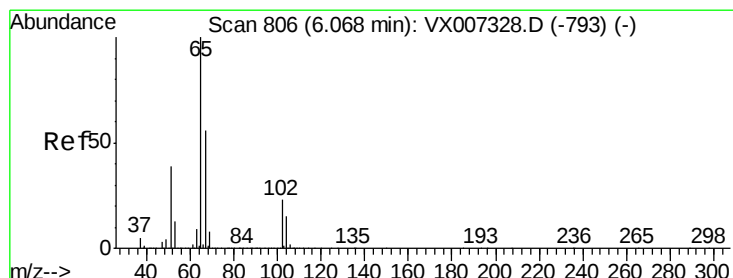
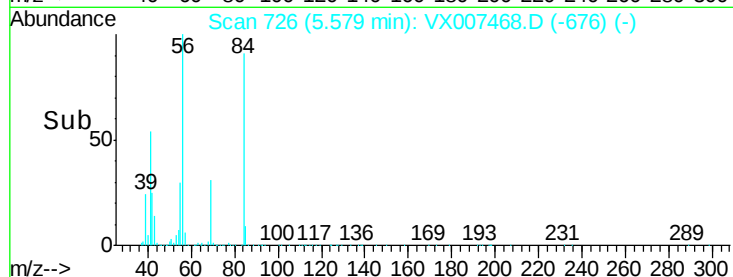
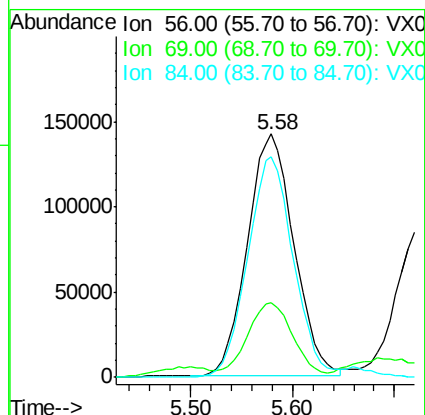
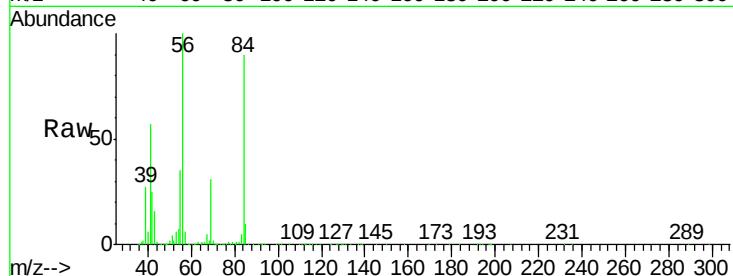




#31
Cyclohexane
Concen: 53.601 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

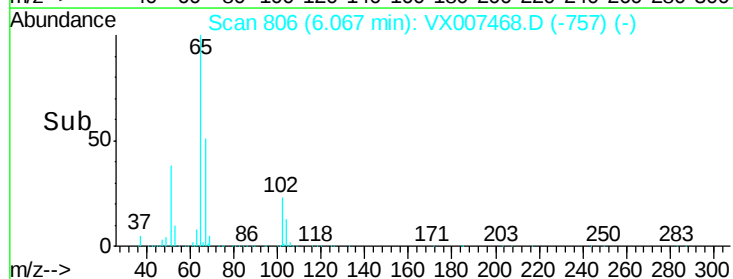
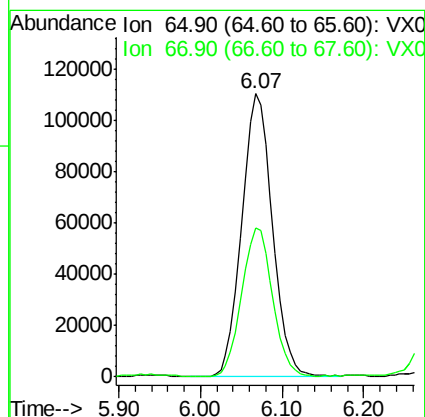
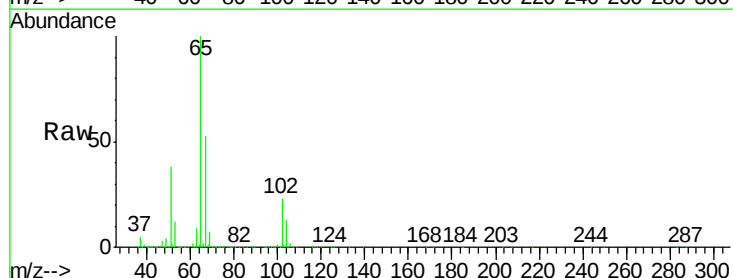
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

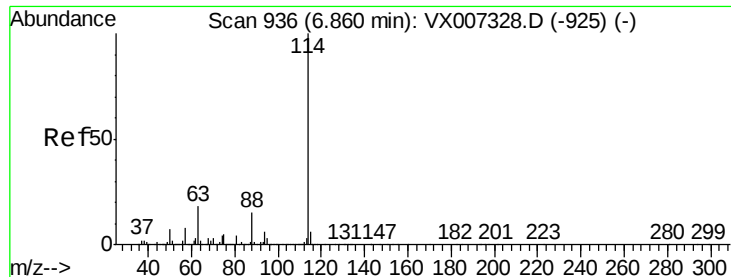
Tot Ion: 56 Resp: 450872
Ion Ratio Lower Upper
56 100
69 27.2 23.0 34.6
84 90.7 69.8 104.6



#33
1,2-Dichloroethane-d4
Concen: 47.491 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion: 65 Resp: 287272
Ion Ratio Lower Upper
65 100
67 53.1 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: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

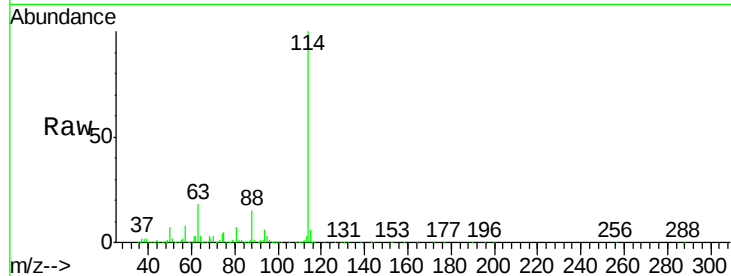
Tot Ion:114 Resp: 852644

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

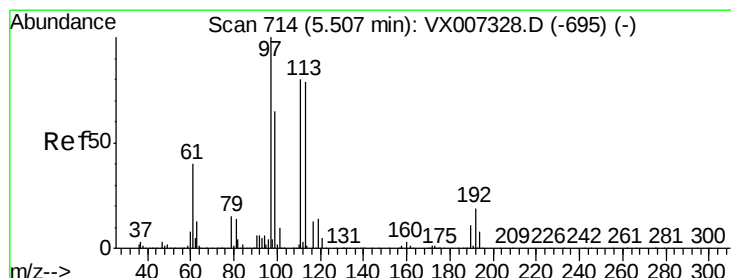
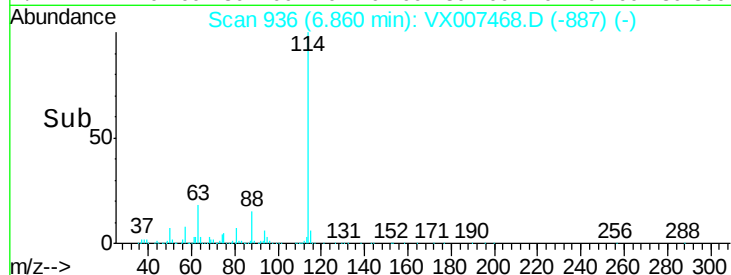
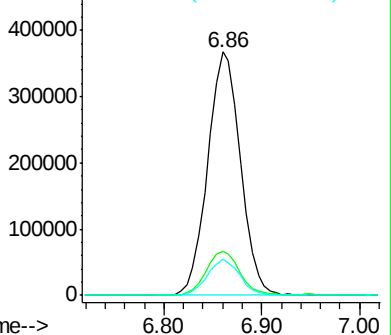
88 14.7 0.0 29.6



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: 47.976 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

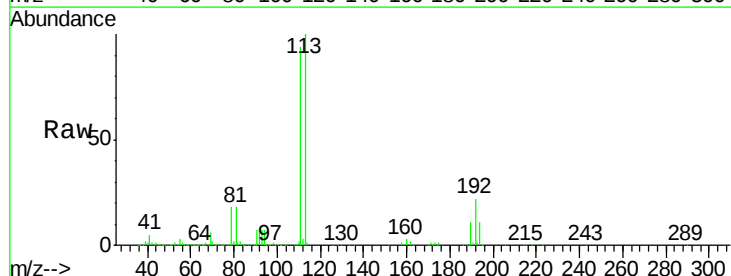
Tgt Ion:113 Resp: 266163

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

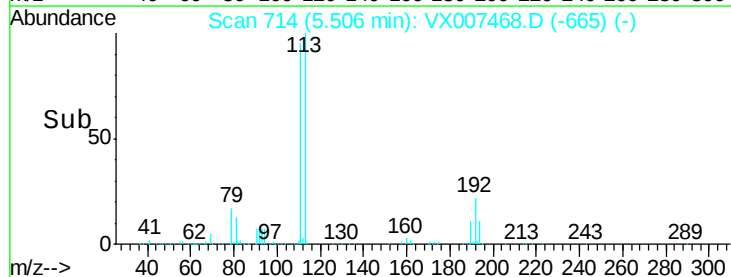
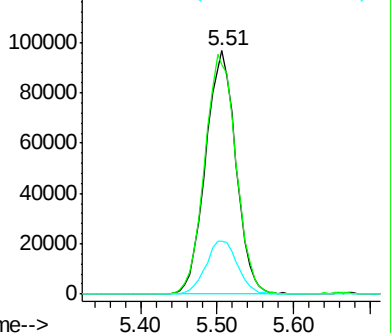
192 23.0 18.5 27.7

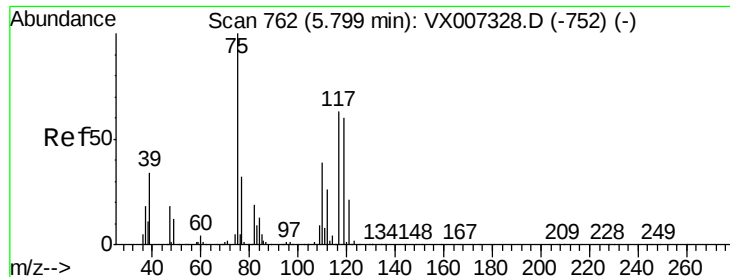


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.546 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

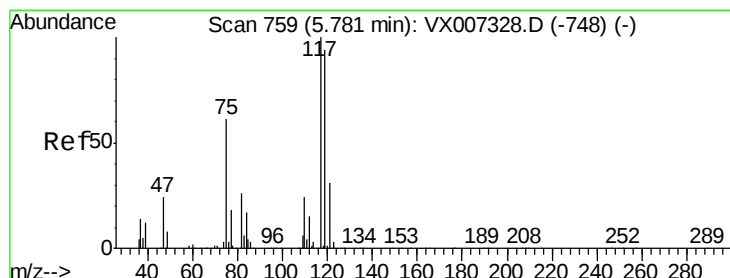
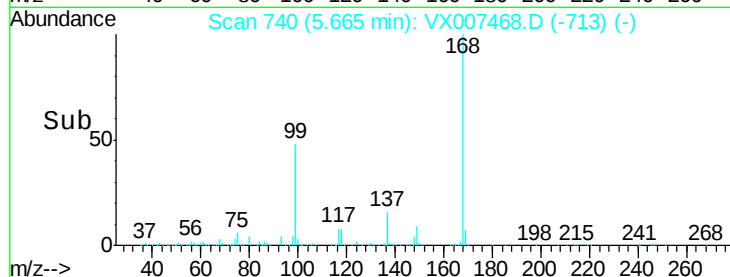
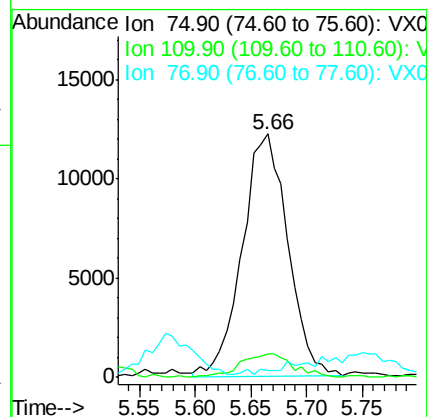
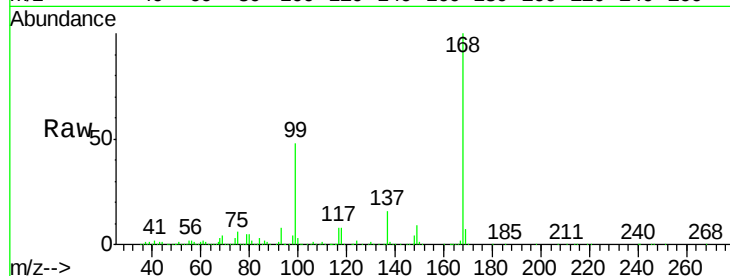
Tot Ion: 75 Resp: 34780

Ion Ratio Lower Upper

75 100

110 11.2 20.0 59.9#

77 3.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.533 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

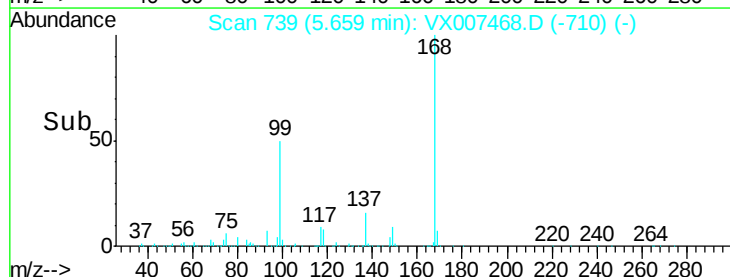
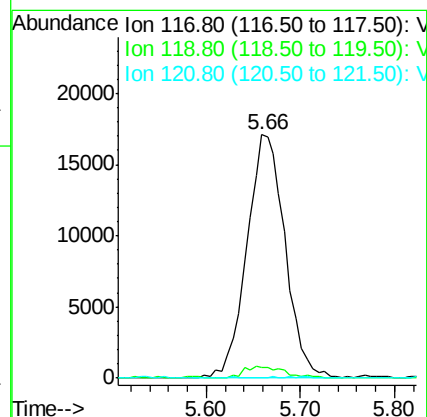
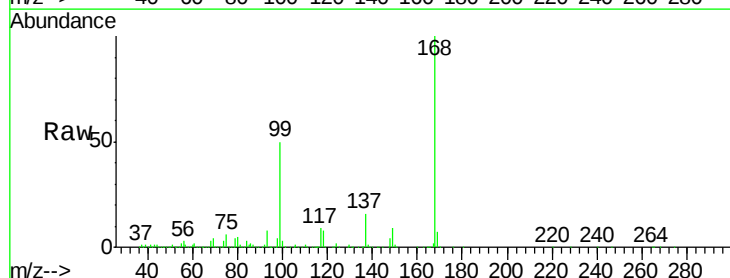
Tgt Ion: 117 Resp: 48485

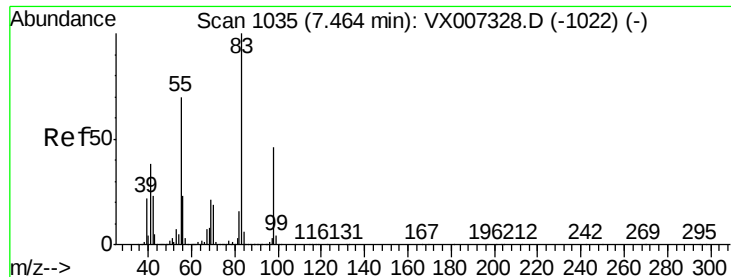
Ion Ratio Lower Upper

117 100

119 4.2 75.3 112.9#

121 0.0 25.0 37.4#

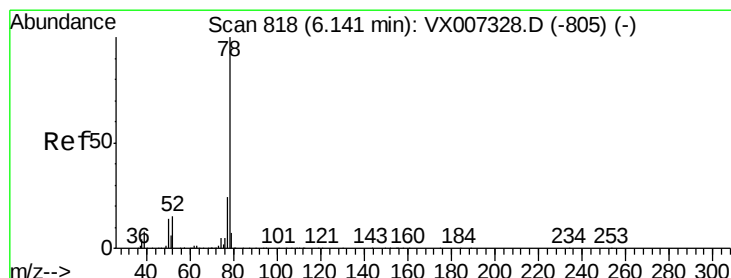
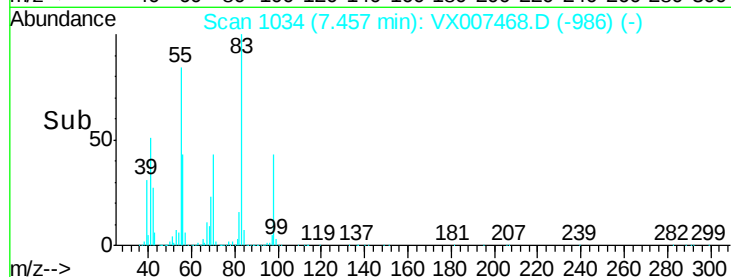
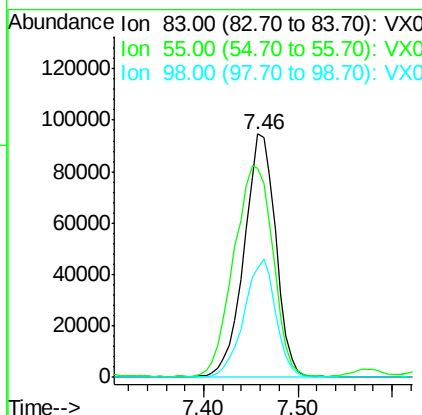
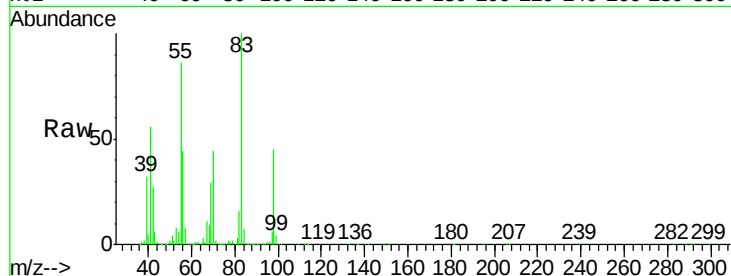




#39
Methvlcvclohexane
Concen: 23.883 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

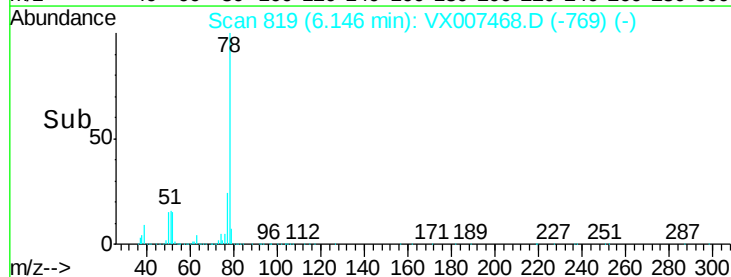
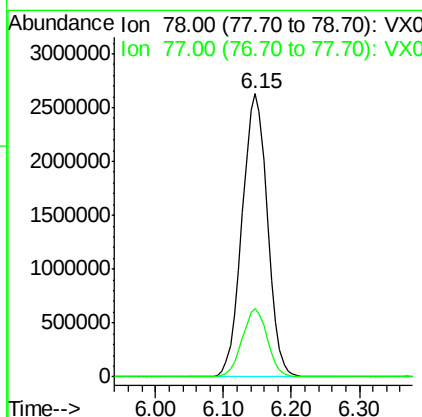
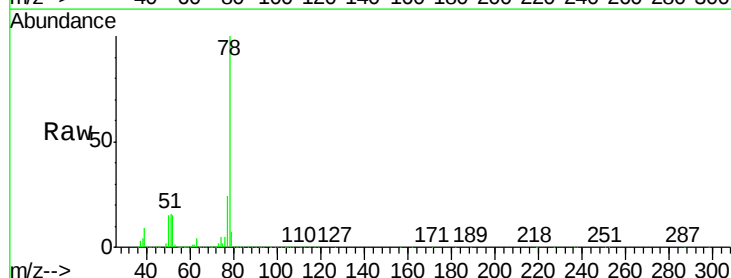
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

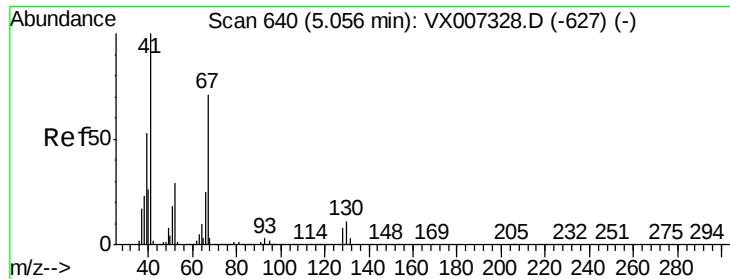
Tot Ion: 83 Resp: 221062
Ion Ratio Lower Upper
83 100
55 85.5 56.2 84.2#
98 44.6 36.8 55.2



#40
Benzene
Concen: 301.760 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion: 78 Resp: 6800272
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

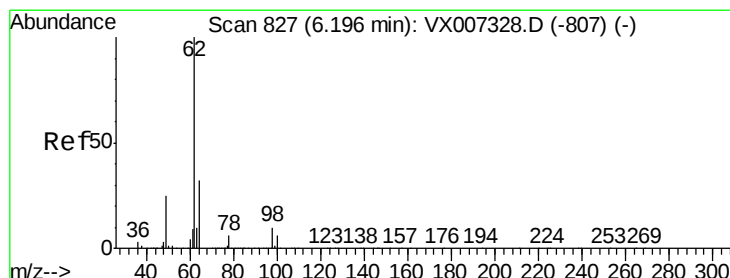
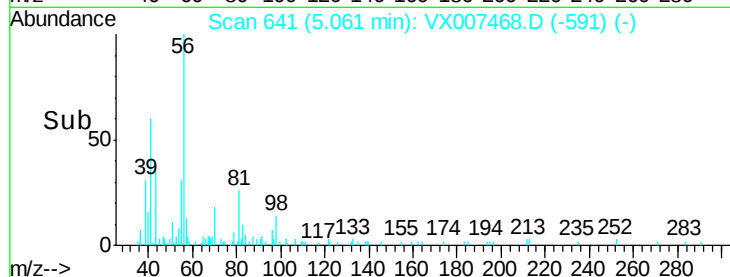
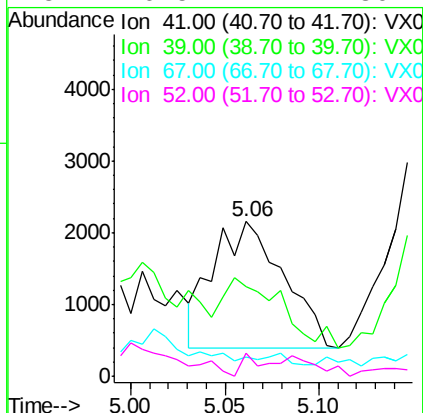
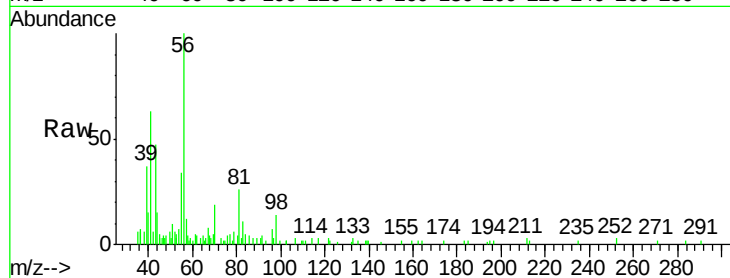




#41
Methacrylonitrile
Concen: 1.101 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

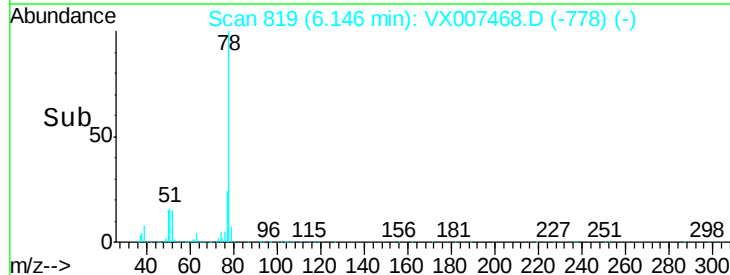
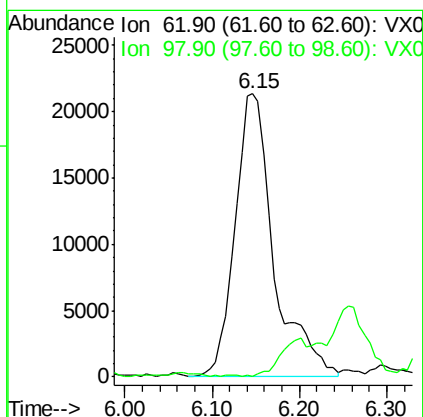
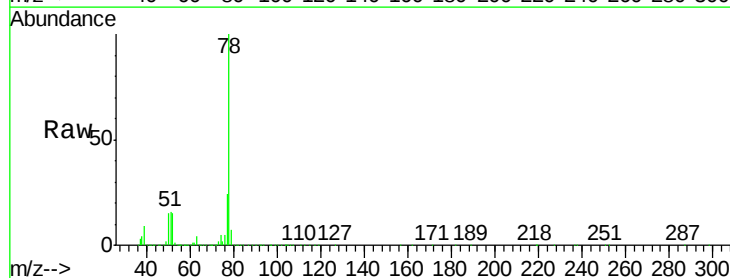
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

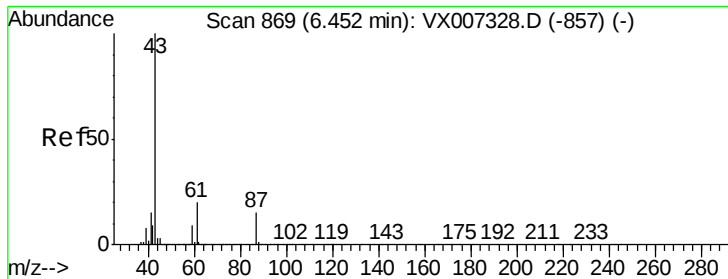
Tot Ion:	41	Resp:	4563
Ion	Ratio	Lower	Upper
41	100		
39	45.3	44.5	66.7
67	0.0	60.4	90.6#
52	6.5	24.1	36.1#



#42
1,2-Dichloroethane
Concen: 8.454 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.05 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion:	62	Resp:	65916
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 7.481 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

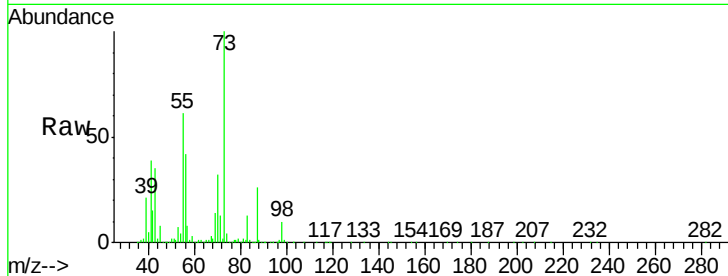
Tot Ion: 43 Resp: 89303

Ion Ratio Lower Upper

43 100

61 0.0 16.1 24.1#

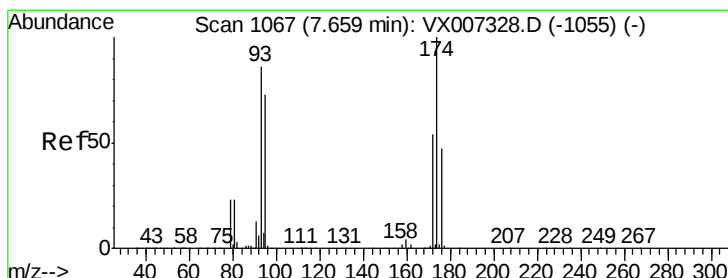
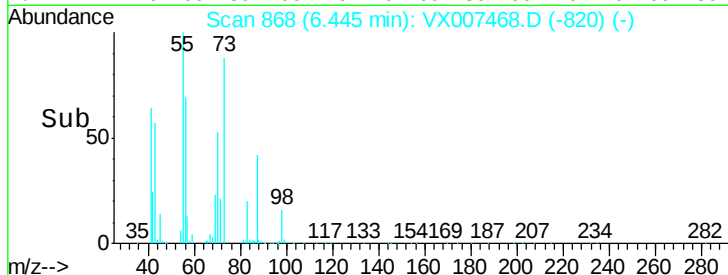
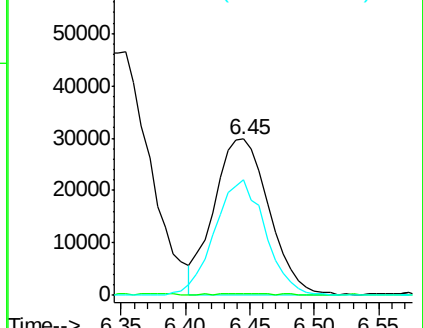
87 68.3 11.5 17.3#



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: 0.337 ug/l

RT: 7.64 min Scan# 1064

Delta R.T. -0.02 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

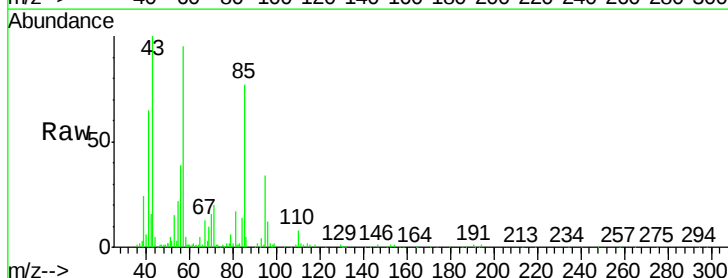
Tgt Ion: 93 Resp: 1384

Ion Ratio Lower Upper

93 100

95 1363.5 67.6 101.4#

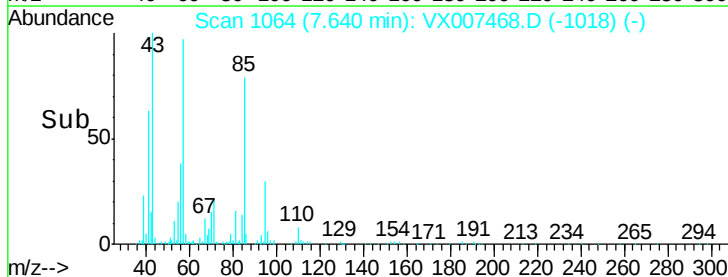
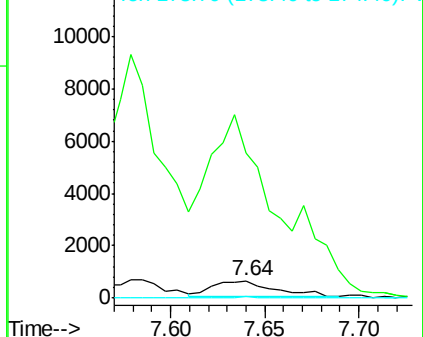
174 1.5 94.2 141.4#

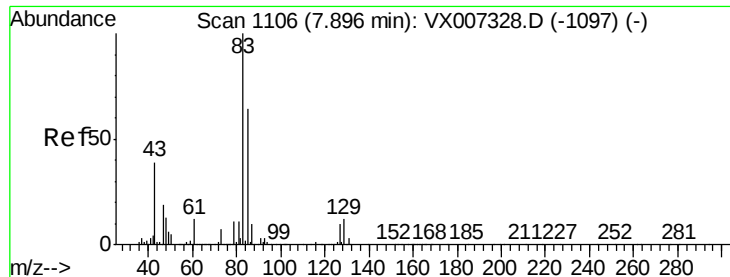


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.497 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.06 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

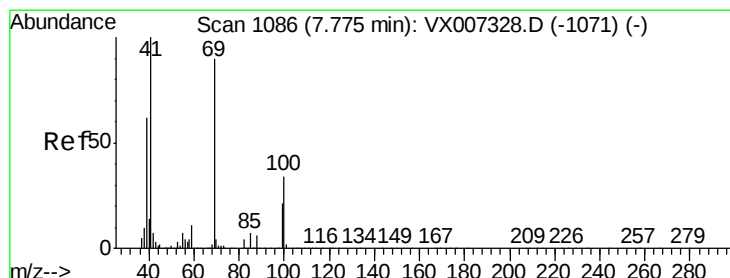
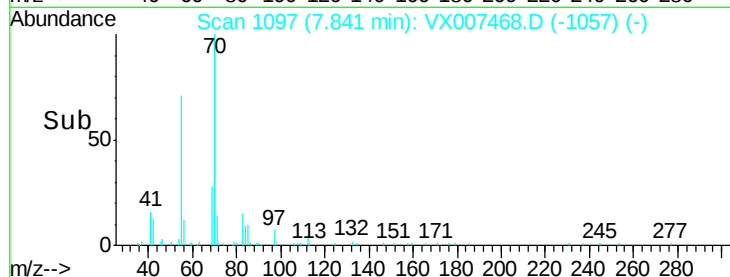
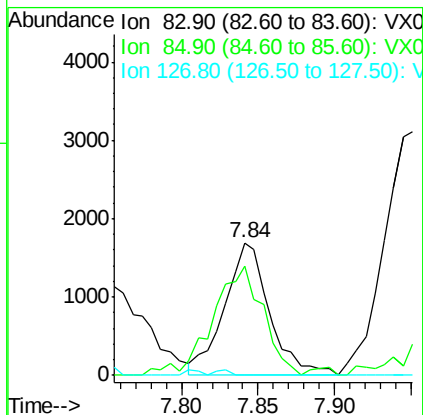
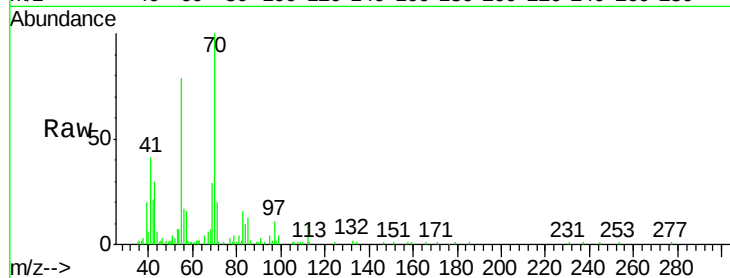
Tot Ion: 83 Resp: 3459

Ion Ratio Lower Upper

83 100

85 82.7 51.4 77.0#

127 0.0 8.1 12.1#



#48

Methyl methacrylate

Concen: 4.680 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

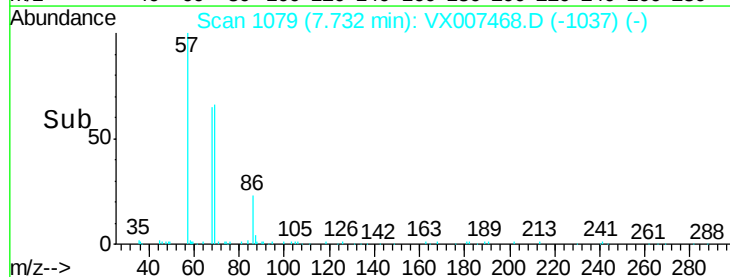
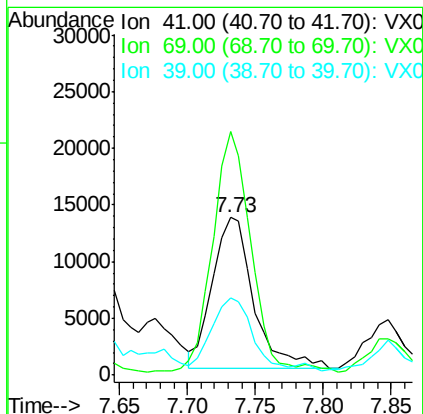
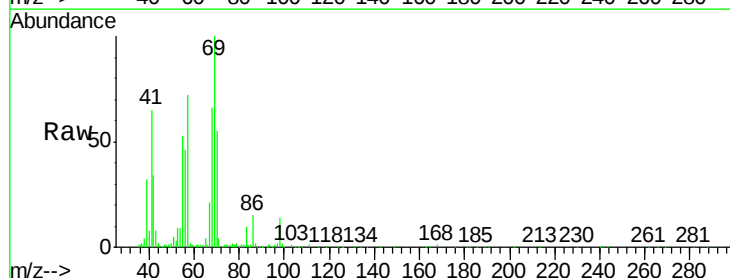
Tgt Ion: 41 Resp: 27942

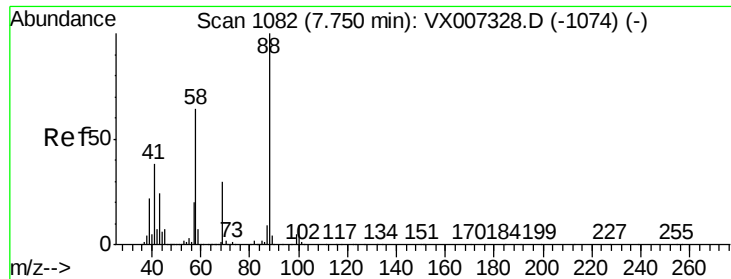
Ion Ratio Lower Upper

41 100

69 144.5 70.2 105.4#

39 41.6 47.4 71.0#





#49

1,4-Dioxane

Concen: 8.971 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

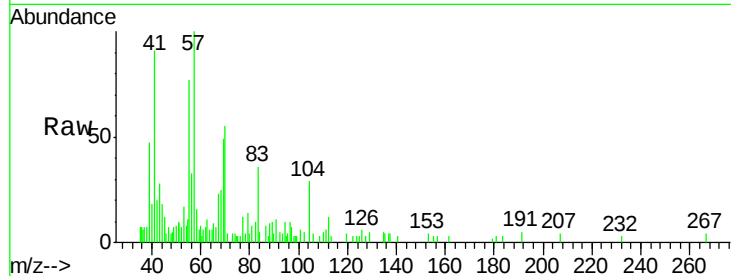
Tot Ion: 88 Resp: 286

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

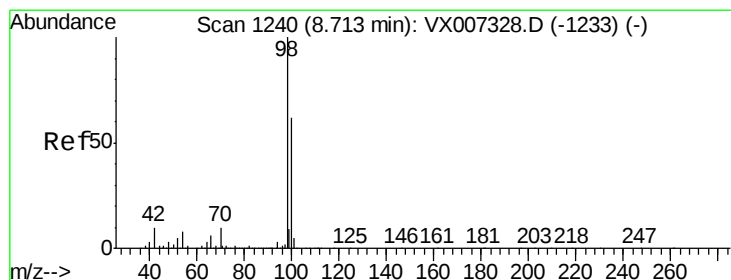
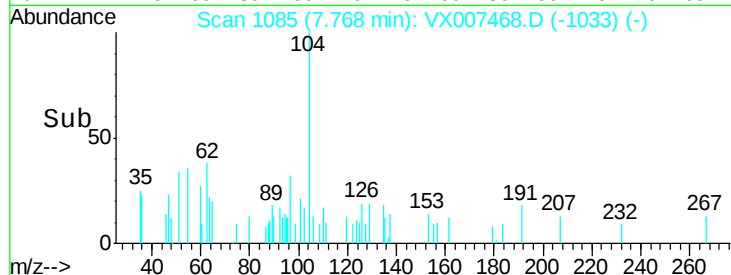
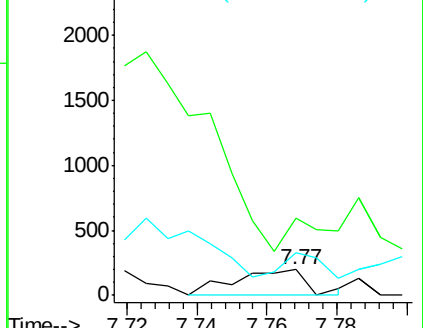
58 0.0 53.0 79.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.521 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007468.D

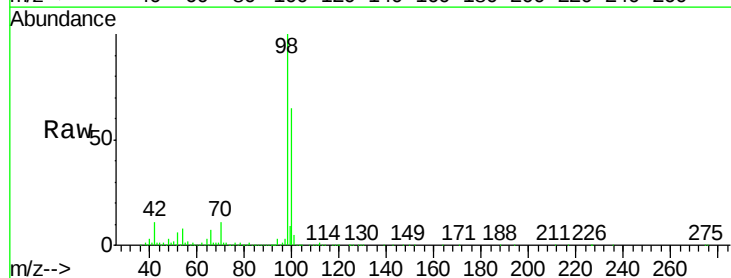
Acq: 11 Feb 2019 15:19

Tgt Ion: 98 Resp: 1039892

Ion Ratio Lower Upper

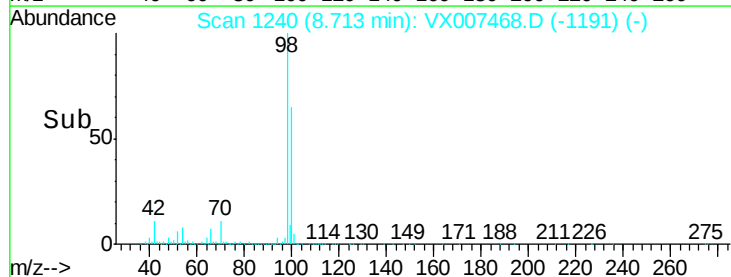
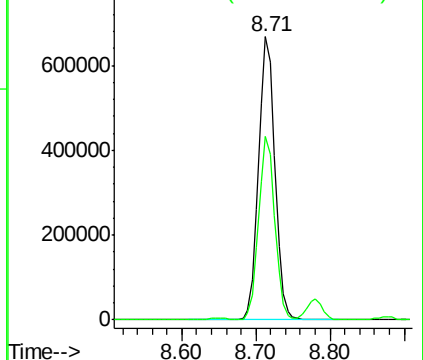
98 100

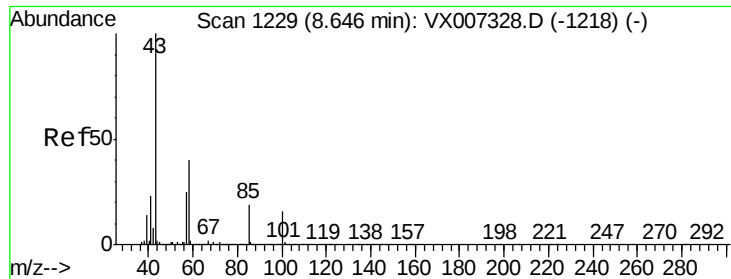
100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 6.795 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

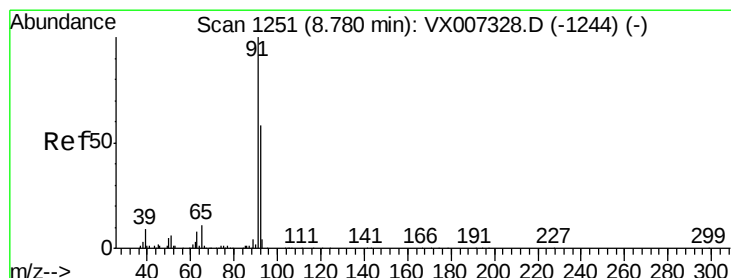
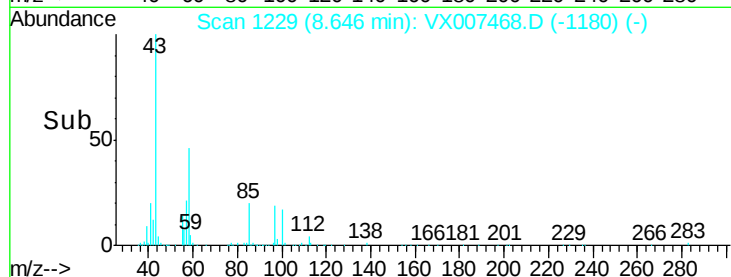
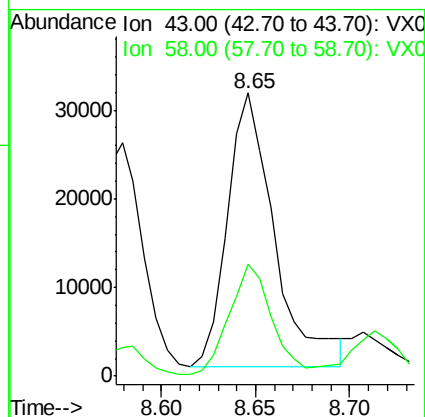
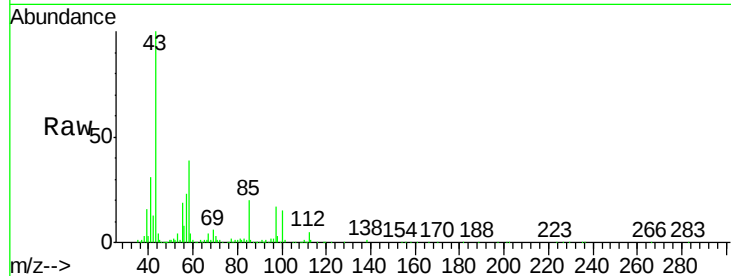
KY001MW031-190207

Tot Ion: 43 Resp: 53395

Ion Ratio Lower Upper

43 100

58 36.6 31.2 46.8



#52

Toluene

Concen: 8.865 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007468.D

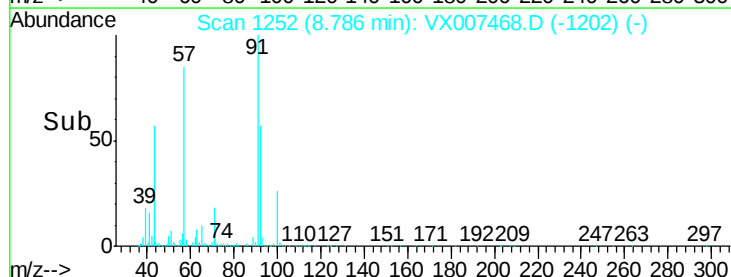
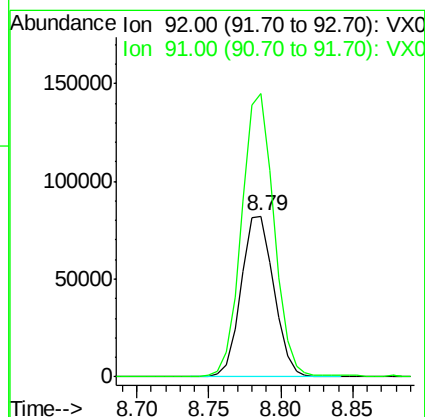
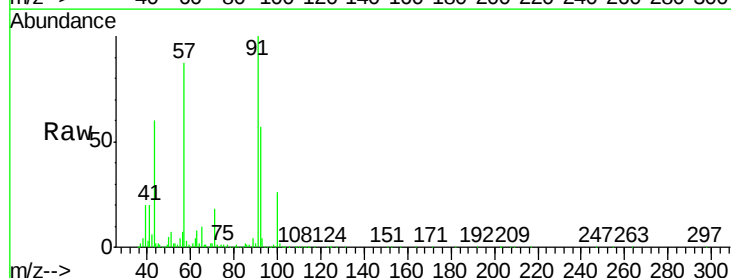
Acq: 11 Feb 2019 15:19

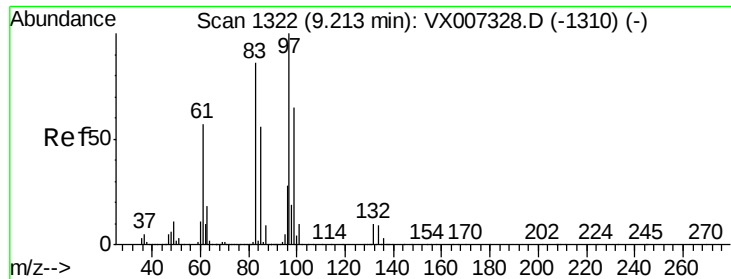
Tgt Ion: 92 Resp: 128895

Ion Ratio Lower Upper

92 100

91 175.1 139.1 208.7

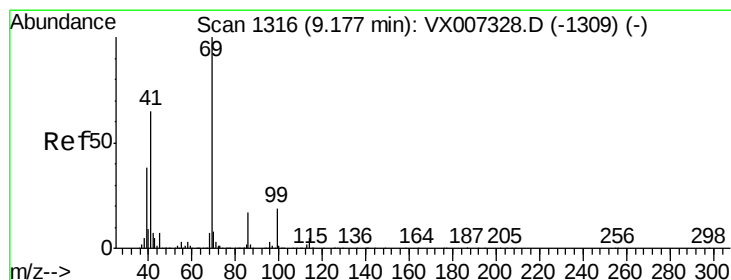
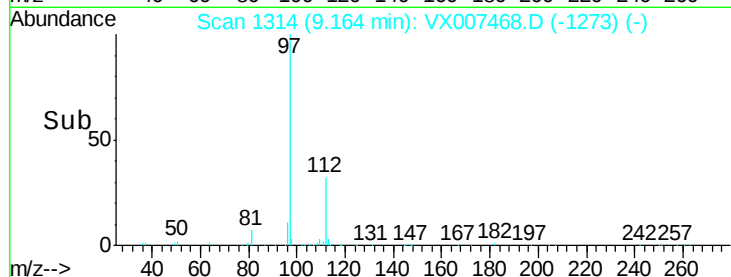
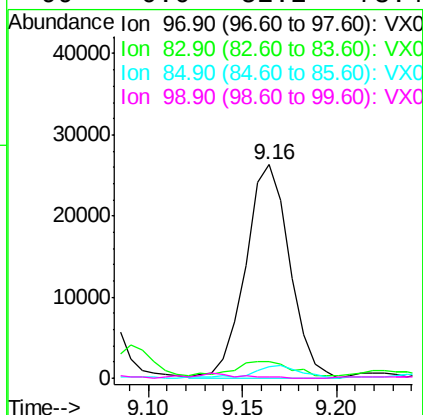
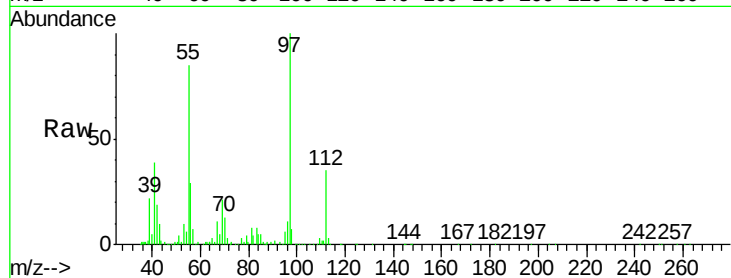




#55
 1,1,2-Trichloroethane
 Concen: 7.045 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX007468.D
 Acq: 11 Feb 2019 15:19

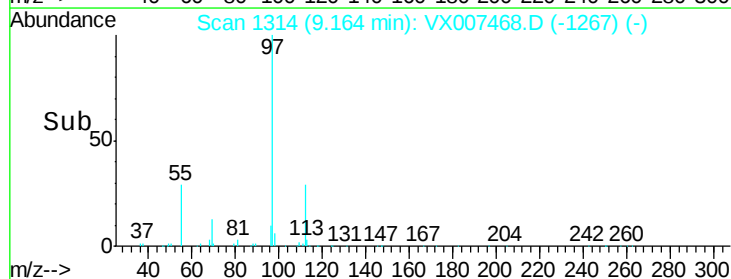
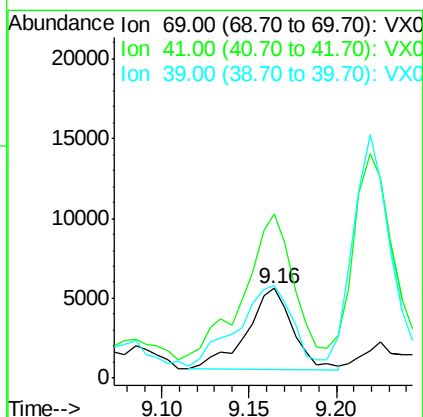
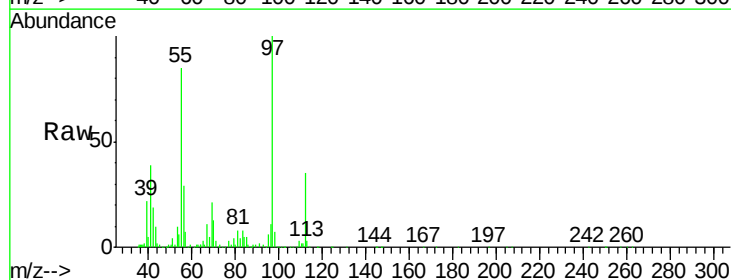
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-190207

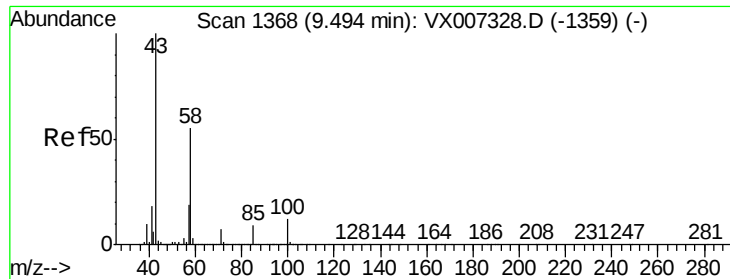
Tot Ion	Ratio	Lower	Upper
97	100		
83	7.1	68.6	102.8#
85	5.2	44.5	66.7#
99	0.0	52.2	78.4#



#56
 Ethyl methacrylate
 Concen: 1.123 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VX007468.D
 Acq: 11 Feb 2019 15:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	192.7	52.1	78.1#
39	113.3	30.1	45.1#

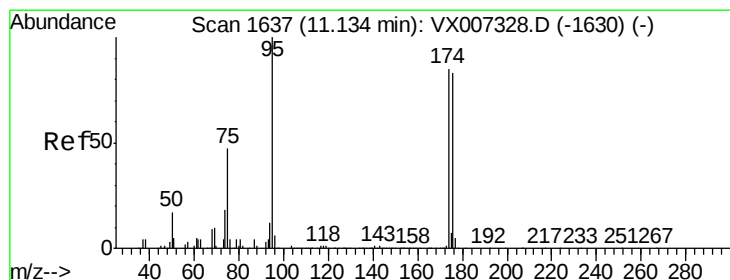
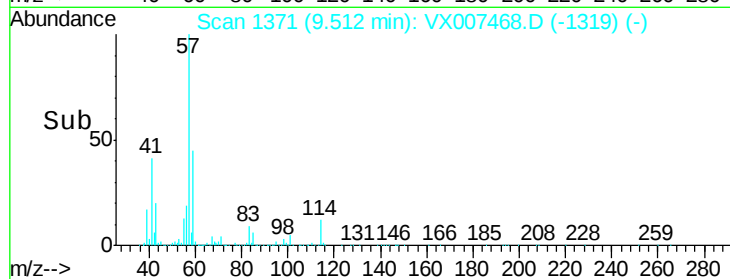
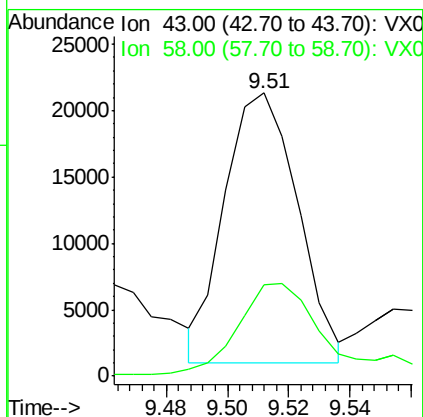
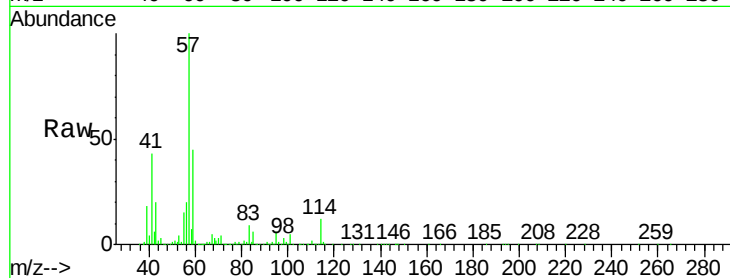




#59
2-Hexanone
Concen: 5.483 ug/l
RT: 9.51 min Scan# 1371
Delta R.T. 0.02 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

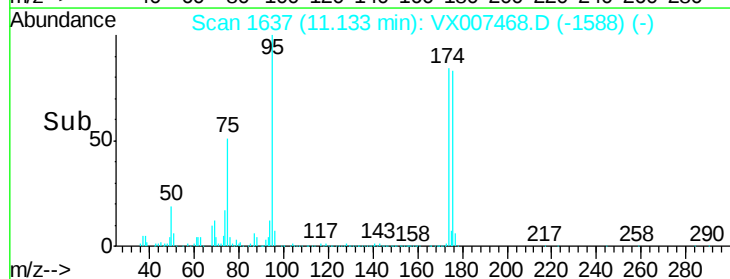
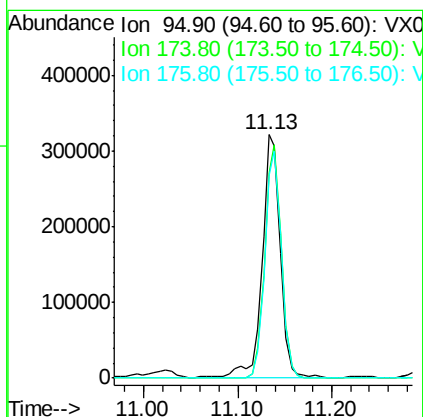
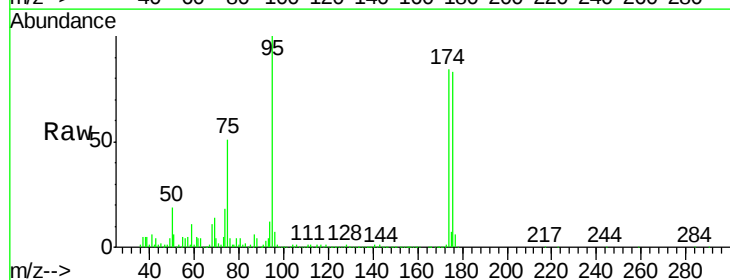
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

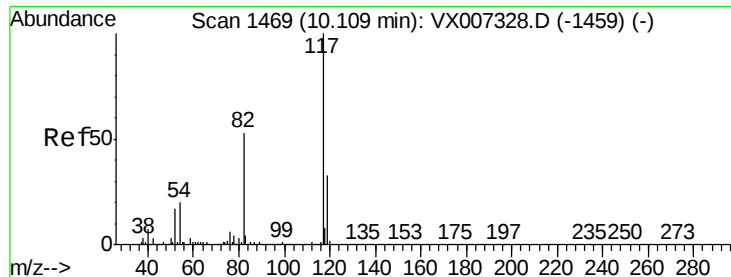
Tot Ion: 43 Resp: 33525
Ion Ratio Lower Upper
43 100
58 40.9 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 57.432 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion: 95 Resp: 431602
Ion Ratio Lower Upper
95 100
174 88.6 0.0 189.2
176 86.7 0.0 186.2

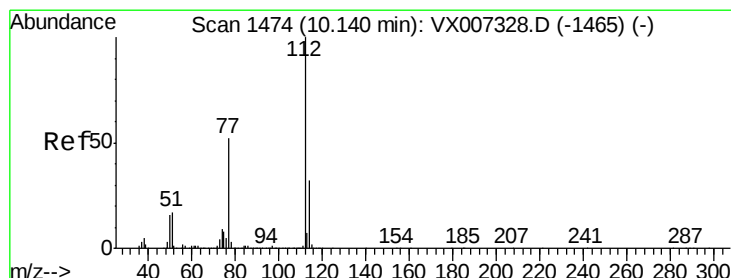
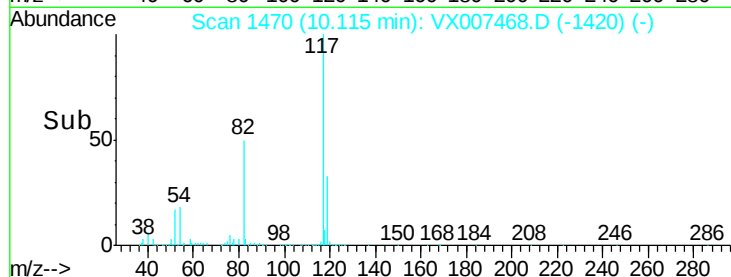
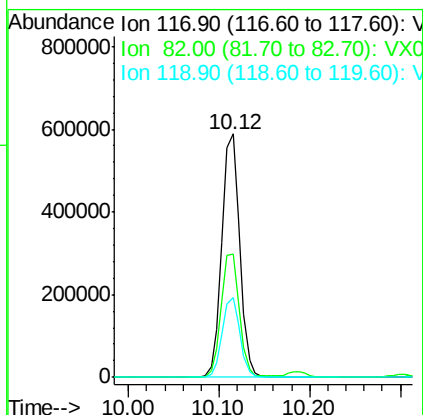
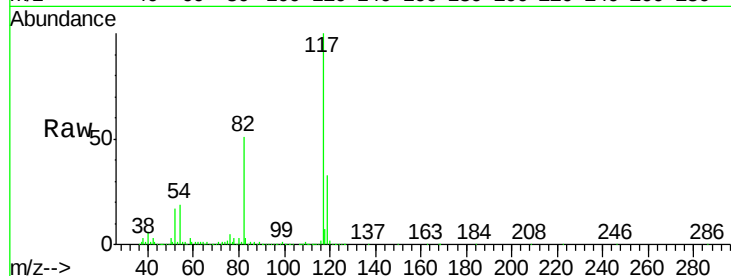




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

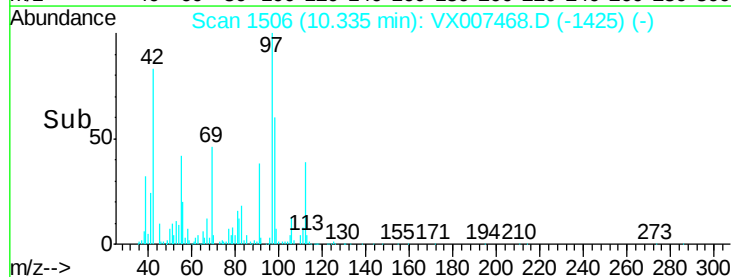
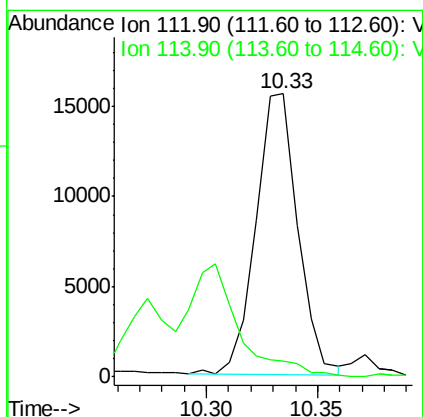
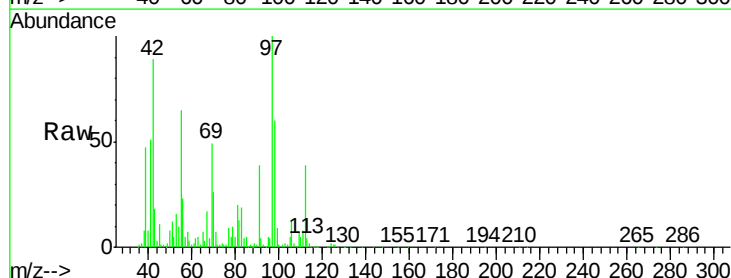
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

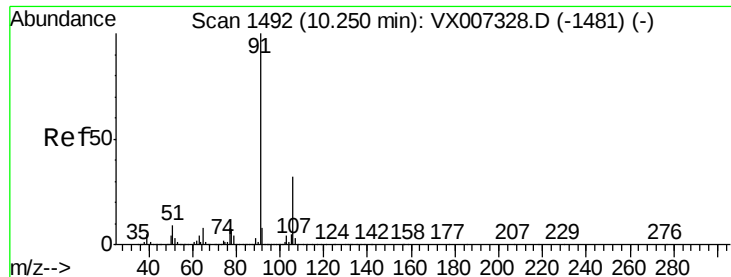
Tot Ion:117 Resp: 813399
Ion Ratio Lower Upper
117 100
82 50.6 42.1 63.1
119 32.7 26.5 39.7



#65
Chlorobenzene
Concen: 1.149 ug/l
RT: 10.33 min Scan# 1506
Delta R.T. 0.19 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion:112 Resp: 20398
Ion Ratio Lower Upper
112 100
114 4.9 25.8 38.6#





#67

Ethyl Benzene

Concen: 591.163 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

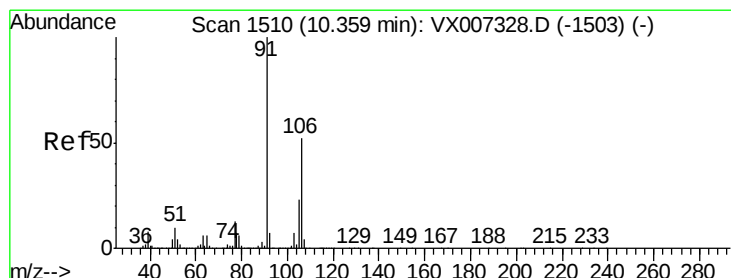
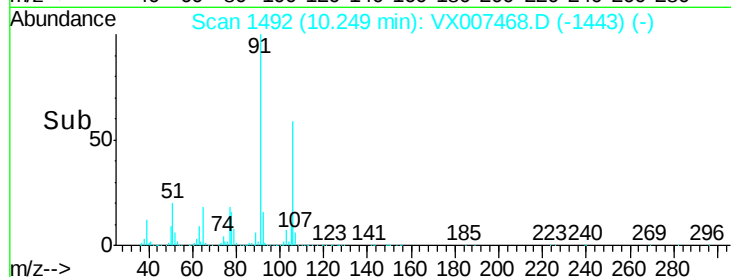
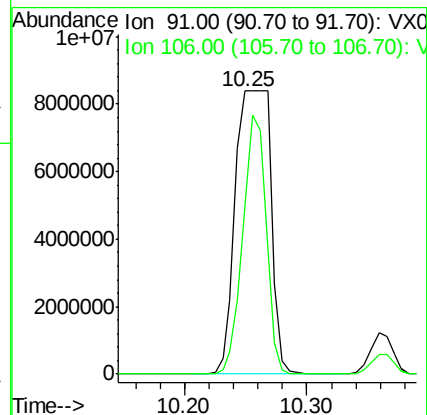
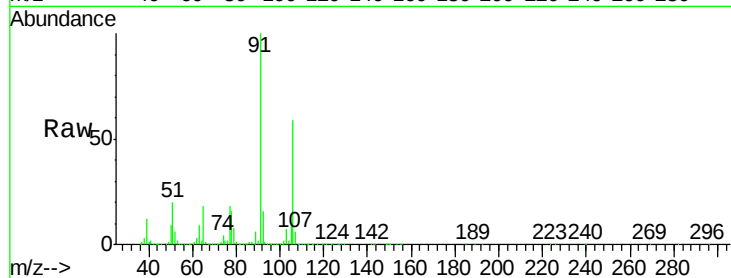
KY001MW031-190207

Tot Ion: 91 Resp:16897874

Ion Ratio Lower Upper

91 100

106 59.4 25.4 38.0#



#68

m/p-Xylenes

Concen: 68.668 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007468.D

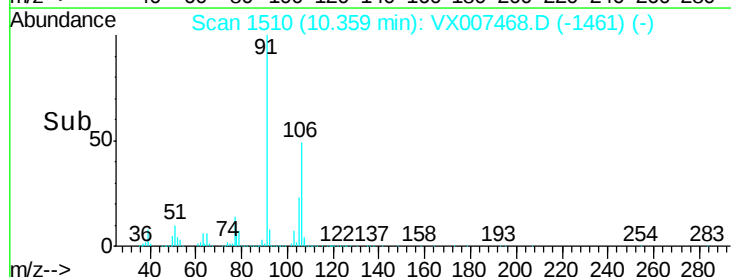
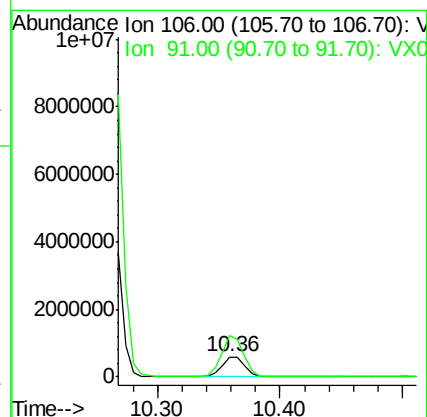
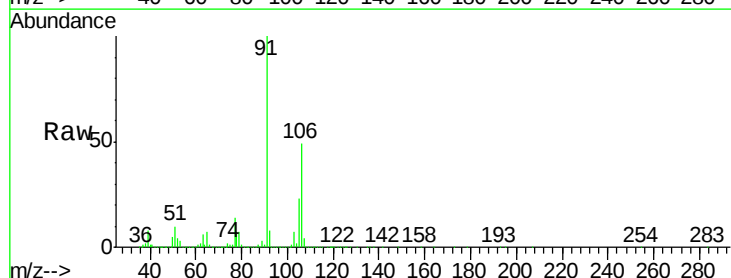
Acq: 11 Feb 2019 15:19

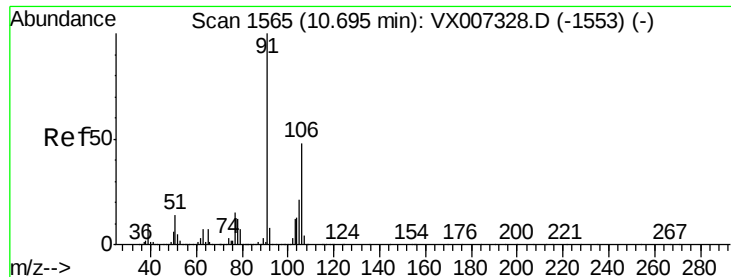
Tgt Ion:106 Resp: 780242

Ion Ratio Lower Upper

106 100

91 201.5 156.6 234.8

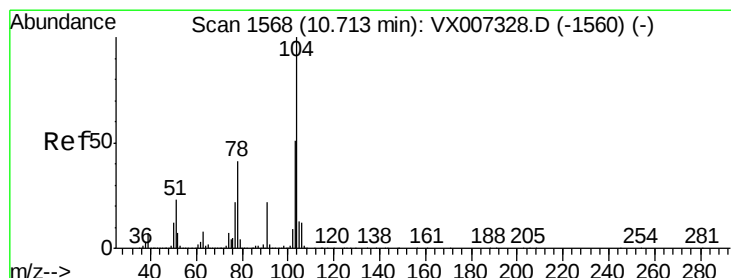
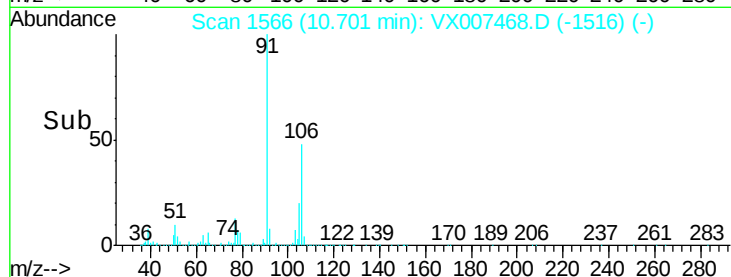
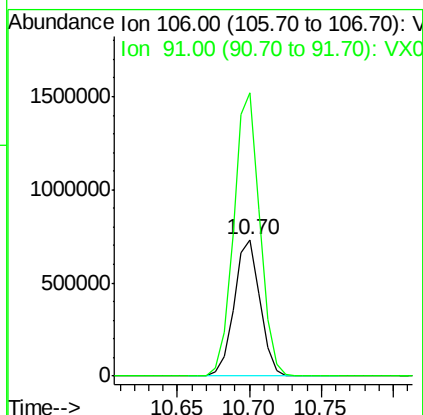
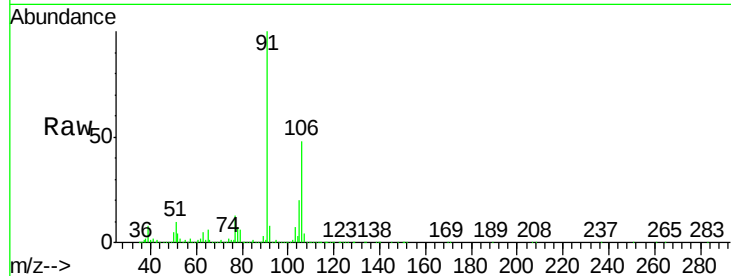




#69
o-Xylene
Concen: 84.043 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

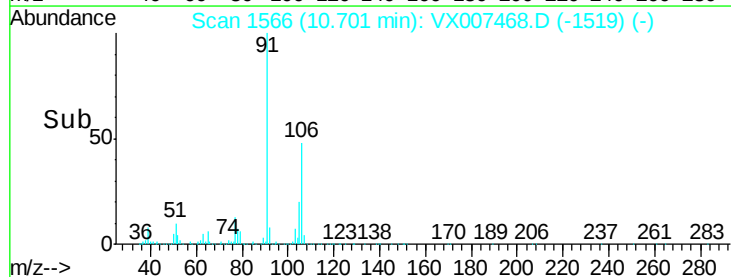
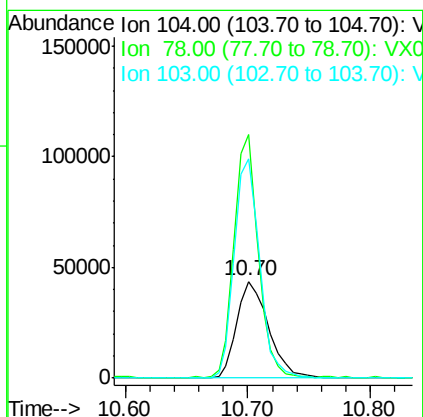
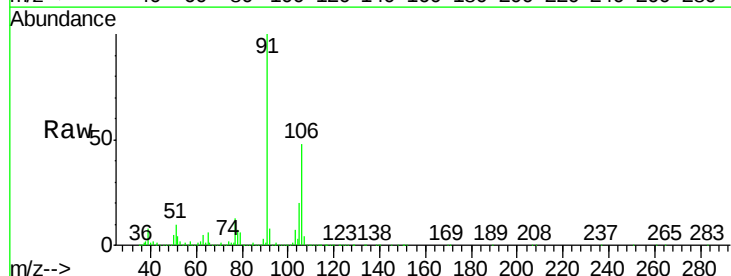
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

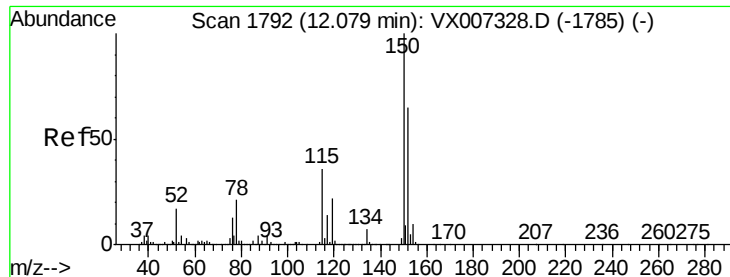
Tot Ion:106 Resp: 918889
Ion Ratio Lower Upper
106 100
91 208.8 102.9 308.7



#70
Styrene
Concen: 4.427 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion:104 Resp: 78498
Ion Ratio Lower Upper
104 100
78 189.6 38.3 57.5#
103 180.0 44.6 67.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

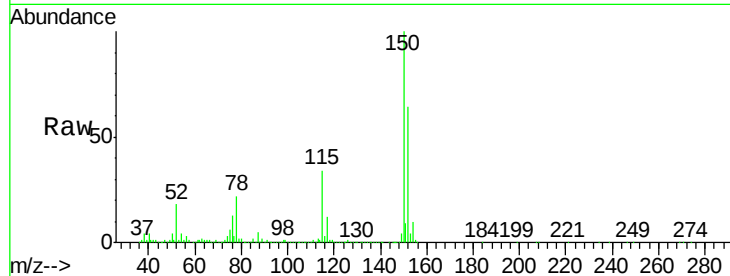
Tot Ion:152 Resp: 439622

Ion Ratio Lower Upper

152 100

115 55.9 38.0 114.0

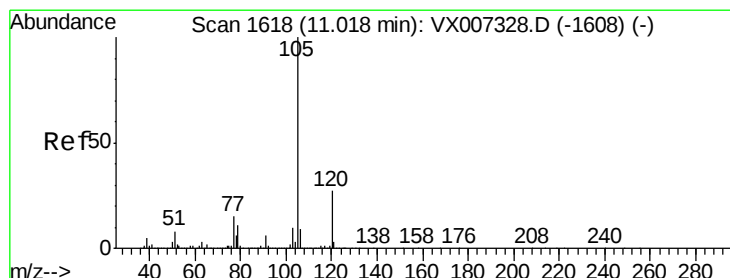
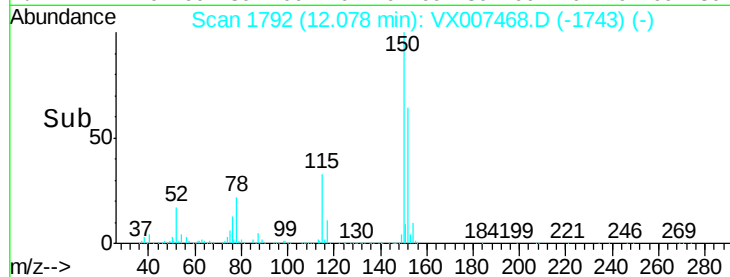
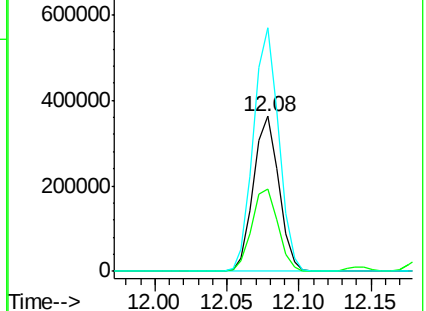
150 156.9 0.0 346.4



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: 122.477 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007468.D

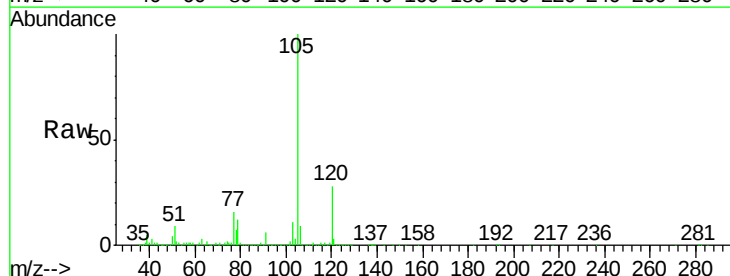
Acq: 11 Feb 2019 15:19

Tgt Ion:105 Resp: 3658955

Ion Ratio Lower Upper

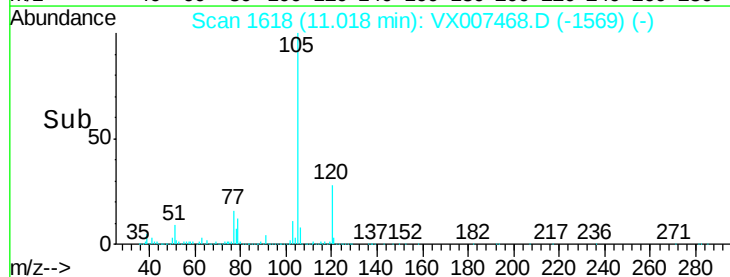
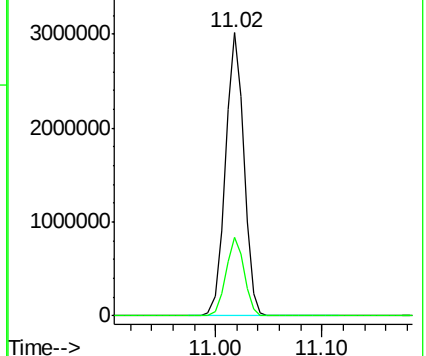
105 100

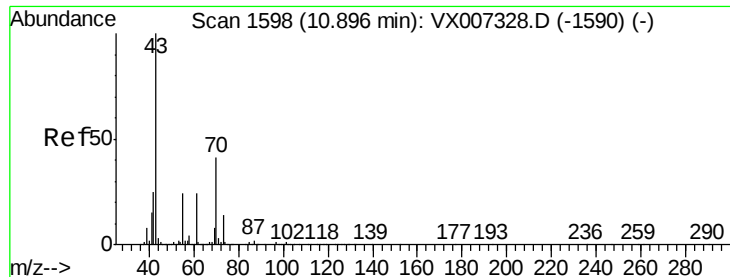
120 27.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.790 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

Tot Ion: 43 Resp: 9134

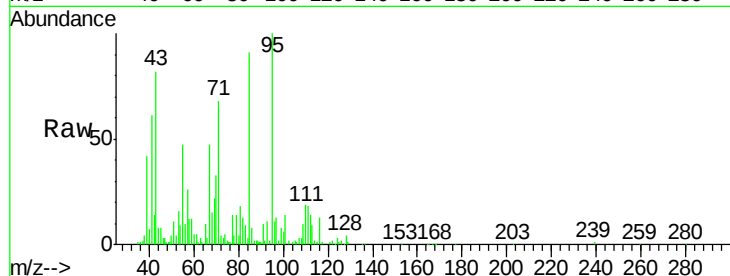
Ion Ratio Lower Upper

43 100

70 54.0 33.8 50.6#

55 47.5 19.5 29.3#

61 23.1 19.4 29.2

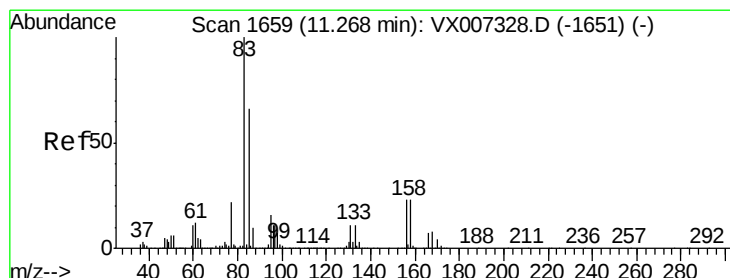
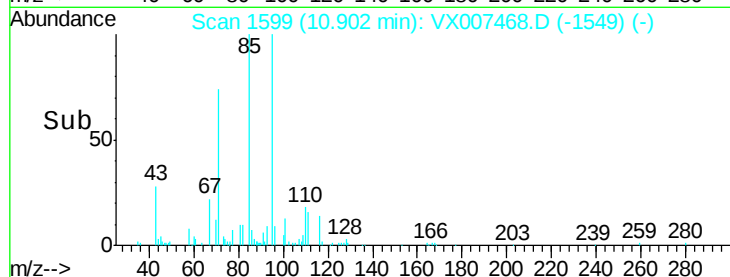
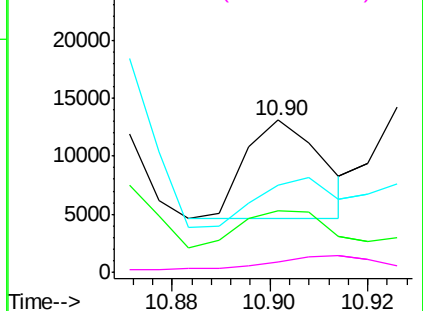


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.287 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.13 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

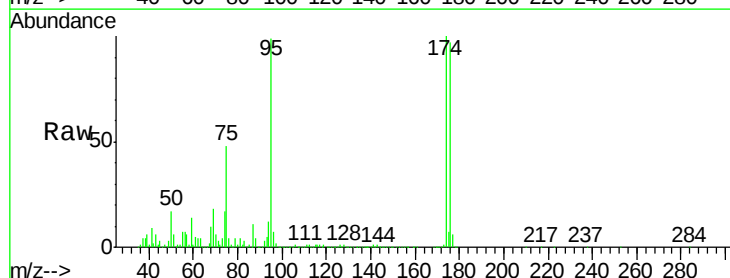
Tgt Ion: 83 Resp: 11715

Ion Ratio Lower Upper

83 100

131 6.5 5.7 17.0

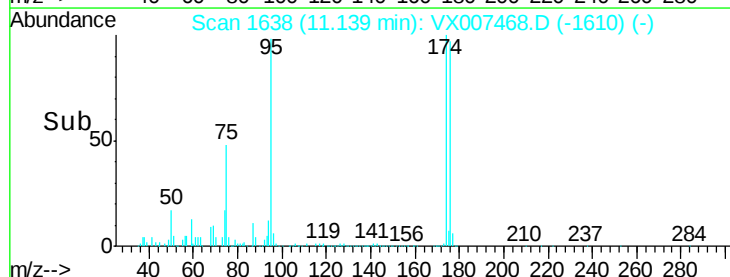
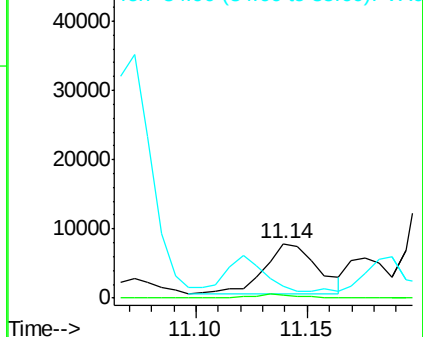
85 51.1 32.8 98.3

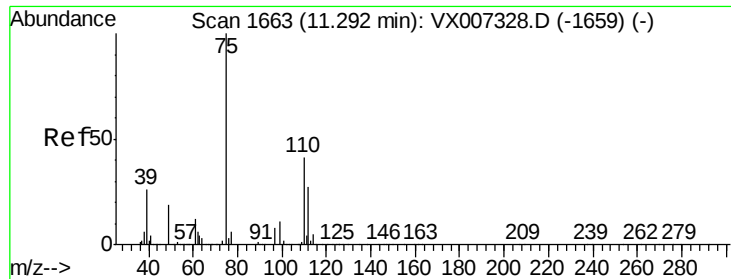


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

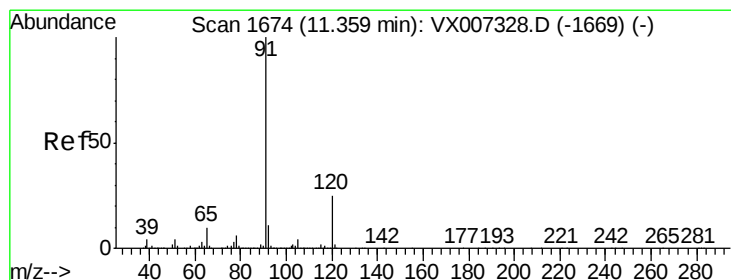
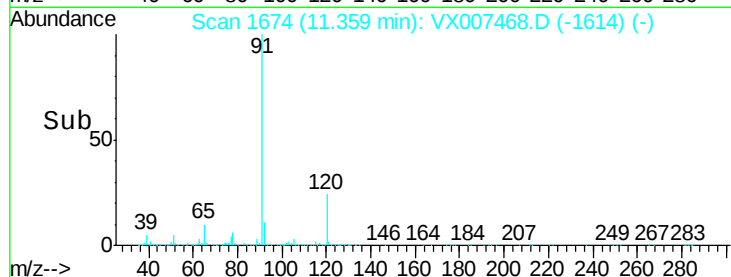
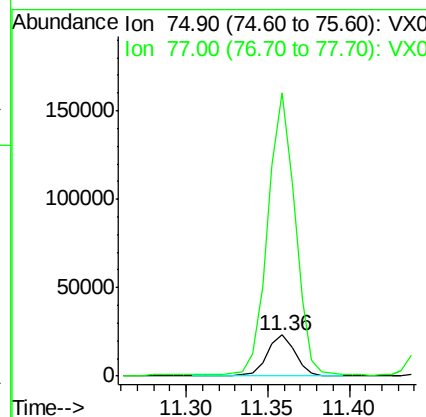
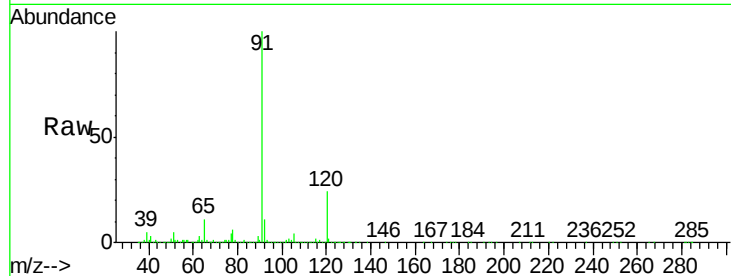




#76
 1,2,3-Trichloropropane
 Concen: 3.206 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.07 min
 Lab File: VX007468.D
 Acq: 11 Feb 2019 15:19

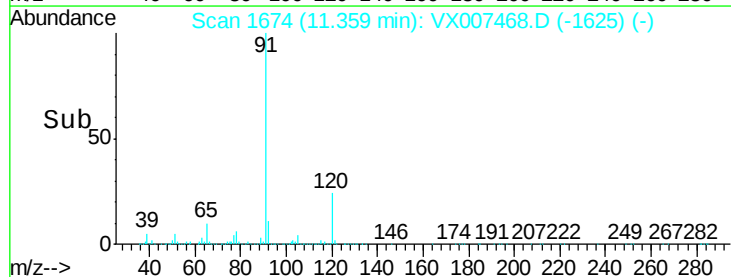
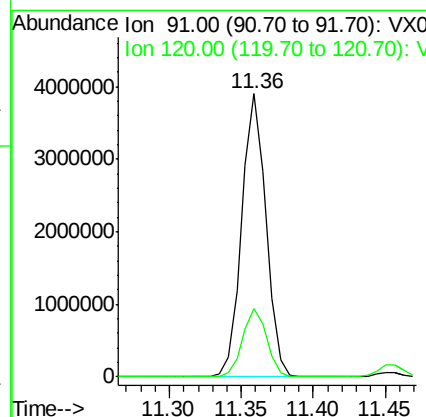
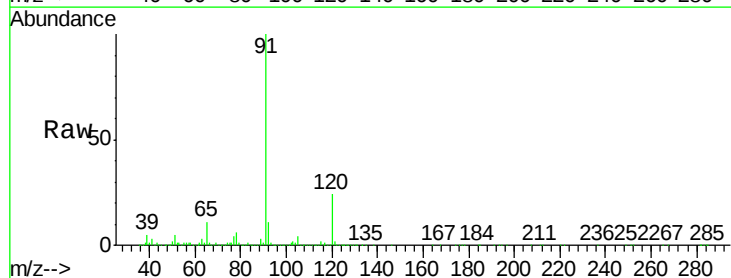
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-190207

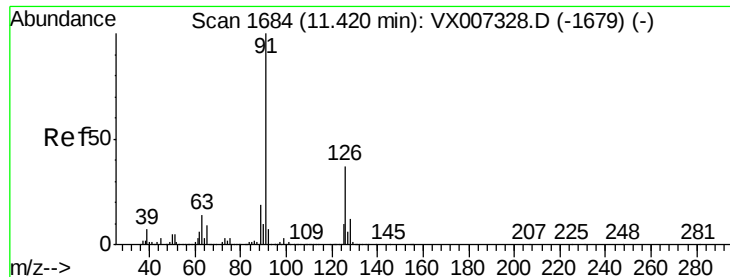
Tot Ion: 75 Resp: 27418
 Ion Ratio Lower Upper
 75 100
 77 678.3 23.0 69.0#



#78
 n-propylbenzene
 Concen: 139.430 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX007468.D
 Acq: 11 Feb 2019 15:19

Tgt Ion: 91 Resp: 4567648
 Ion Ratio Lower Upper
 91 100
 120 24.1 12.4 37.2





#79

2-Chlorotoluene

Concen: 229.787 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

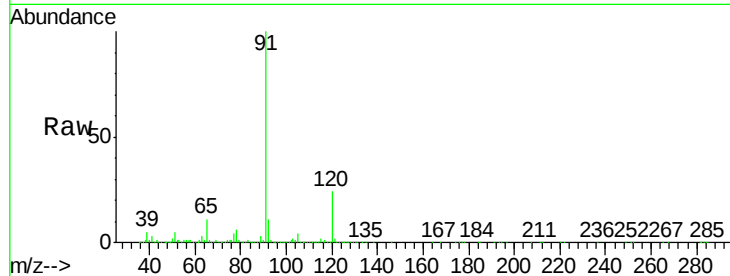
KY001MW031-190207

Tot Ion: 91 Resp: 4567648

Ion Ratio Lower Upper

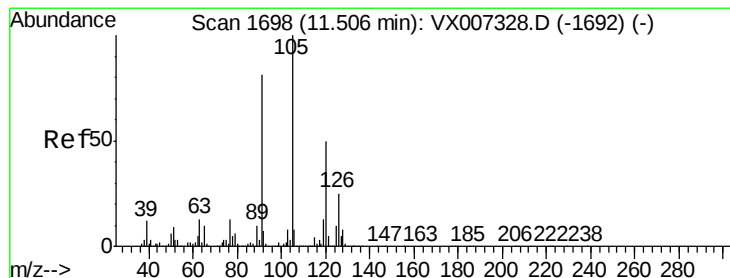
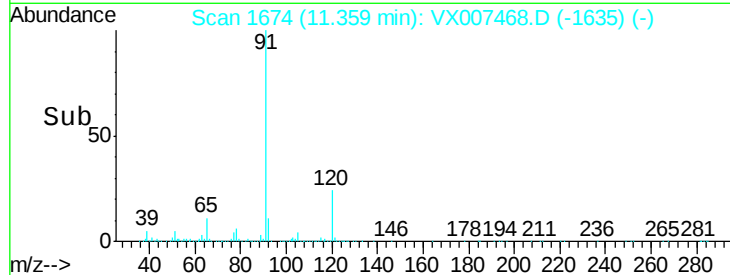
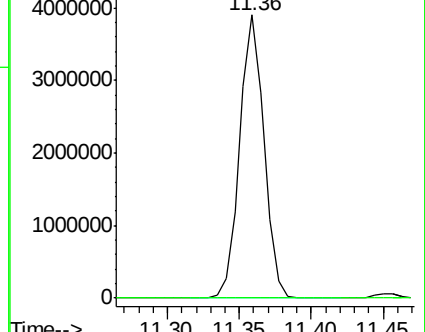
91 100

126 0.3 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: 17.216 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007468.D

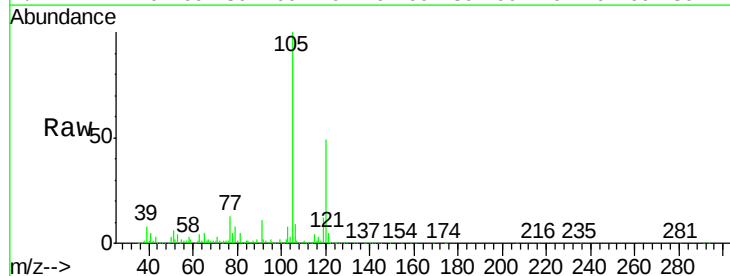
Acq: 11 Feb 2019 15:19

Tgt Ion:105 Resp: 420780

Ion Ratio Lower Upper

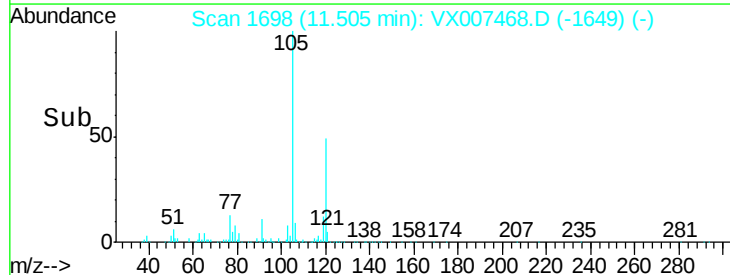
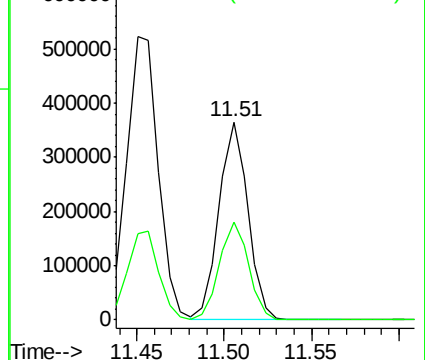
105 100

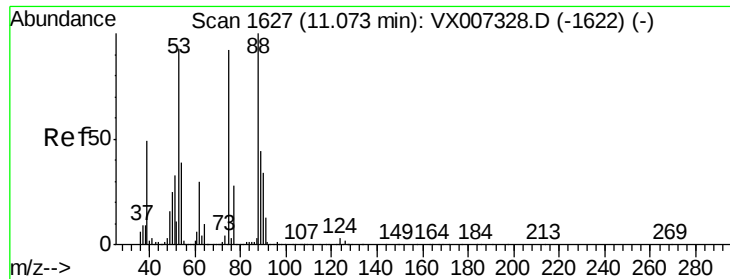
120 50.1 25.3 75.8



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: 17.986 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

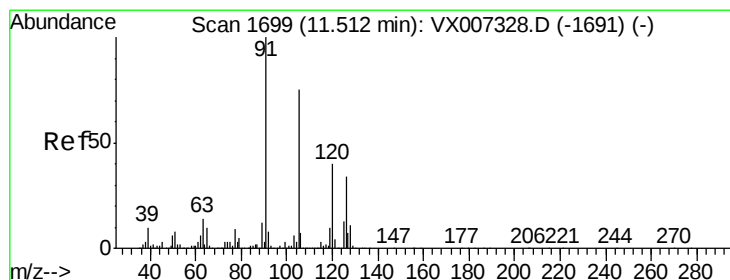
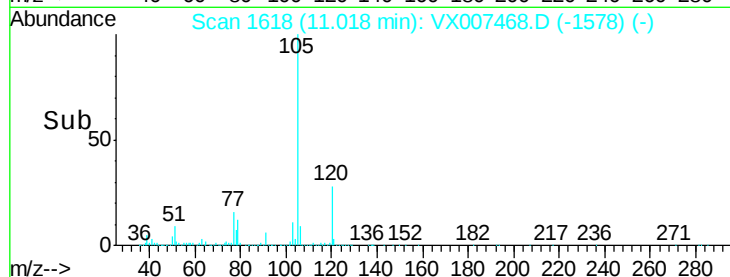
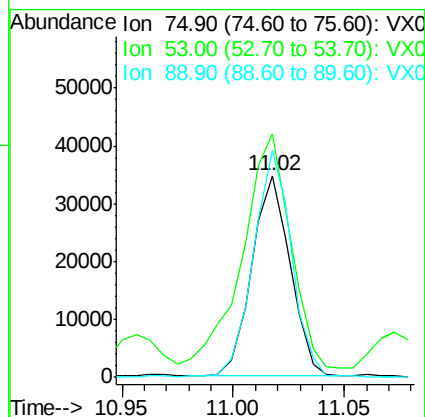
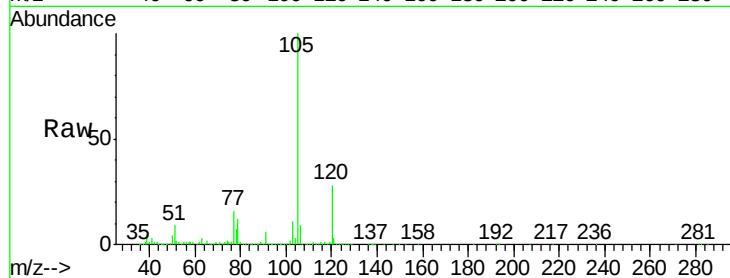
Tot Ion: 75 Resp: 41576

Ion Ratio Lower Upper

75 100

53 149.0 81.0 121.6#

89 113.4 41.4 62.0#



#82

4-Chlorotoluene

Concen: 198.588 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX007468.D

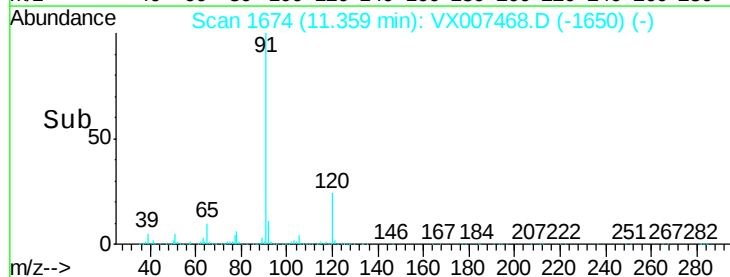
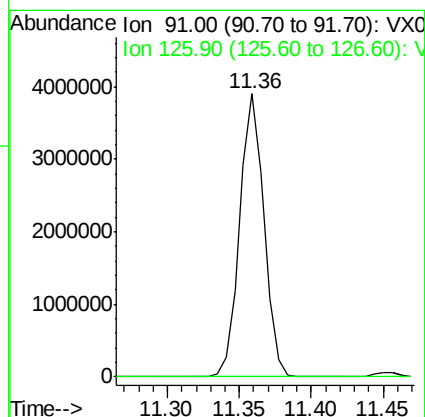
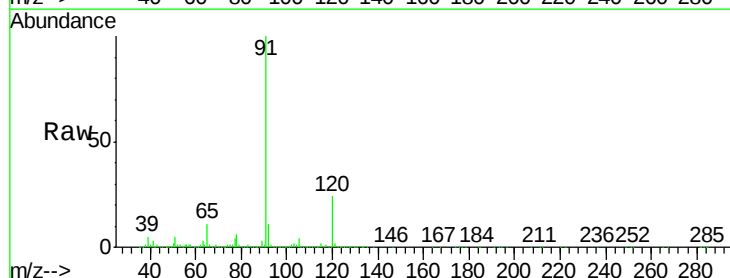
Acq: 11 Feb 2019 15:19

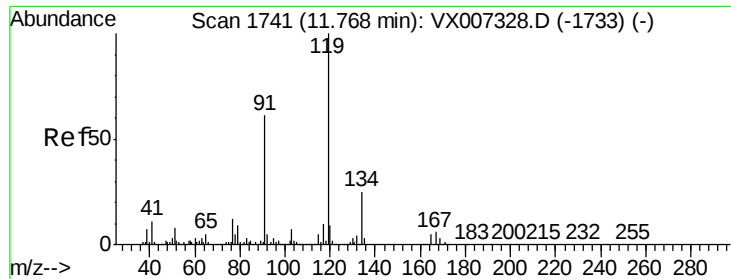
Tgt Ion: 91 Resp: 4567648

Ion Ratio Lower Upper

91 100

126 0.3 16.2 48.5#





#83

tert-Butylbenzene

Concen: 1.365 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207

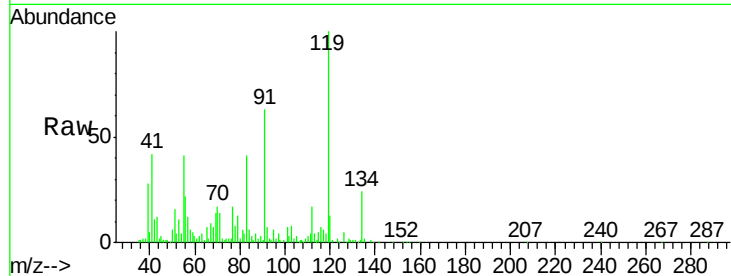
Tot Ion:119 Resp: 33022

Ion Ratio Lower Upper

119 100

91 68.7 28.5 85.6

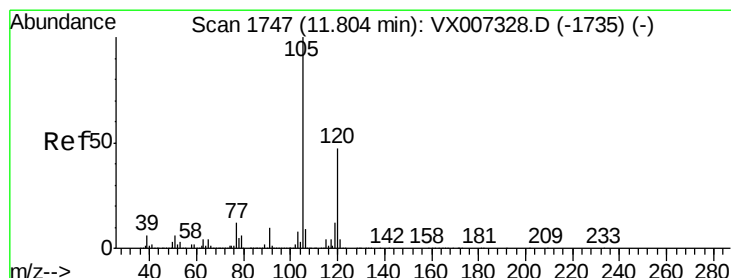
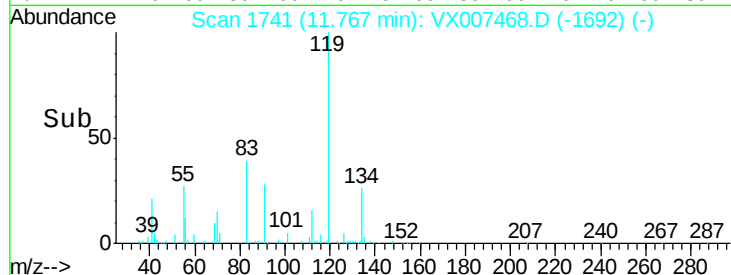
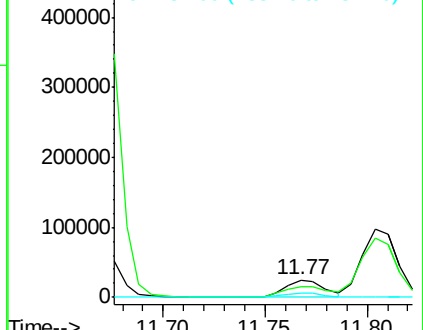
134 24.2 12.0 36.0



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: 39.519 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007468.D

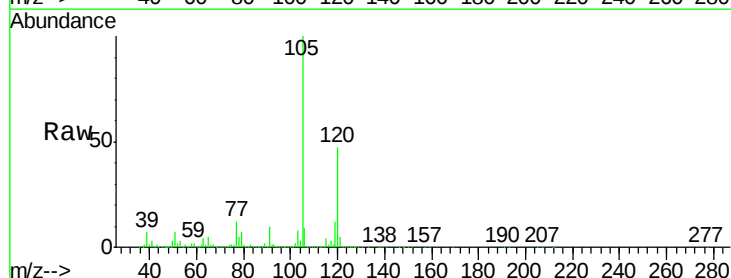
Acq: 11 Feb 2019 15:19

Tgt Ion:105 Resp: 980597

Ion Ratio Lower Upper

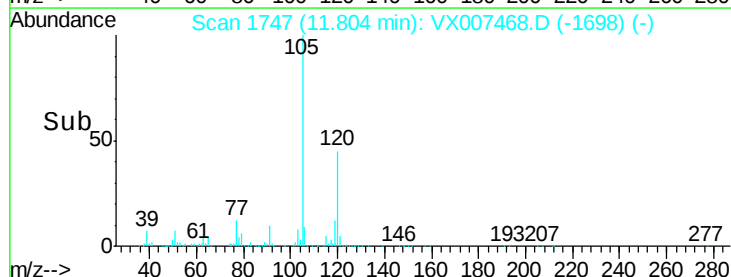
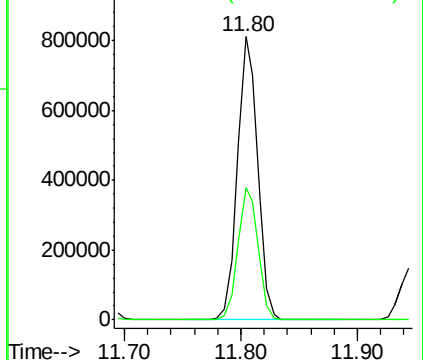
105 100

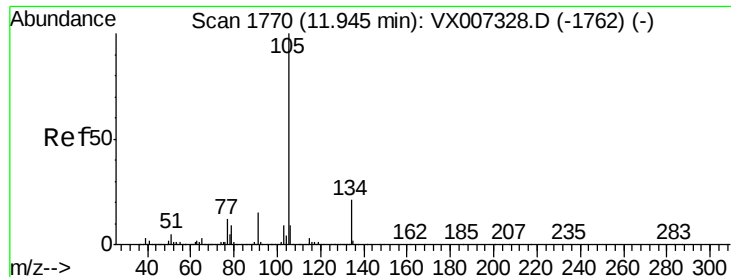
120 46.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.869 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

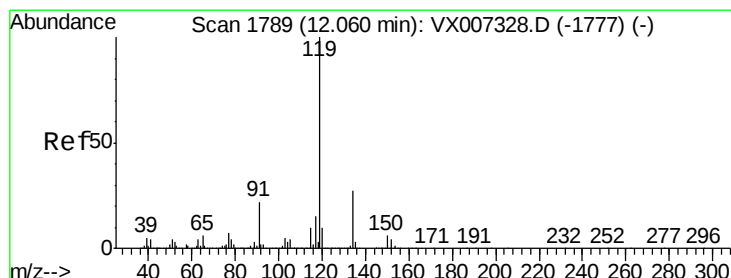
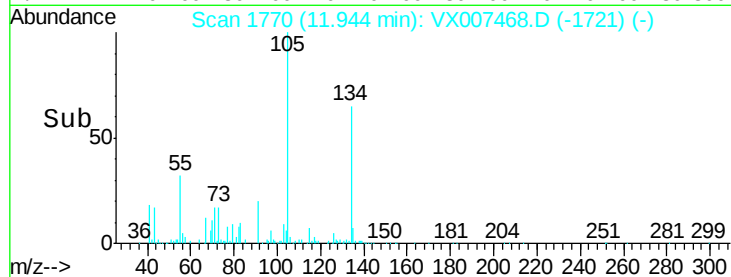
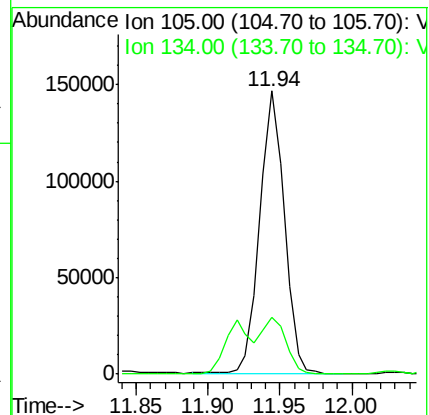
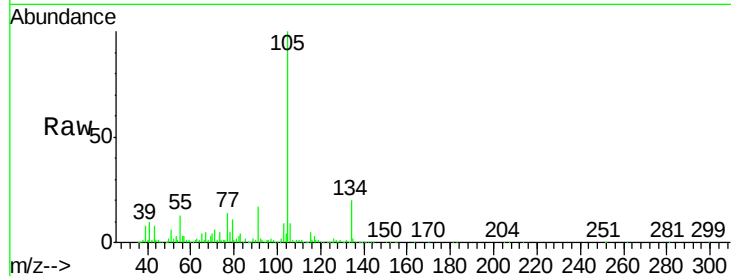
KY001MW031-190207

Tot Ion:105 Resp: 171893

Ion Ratio Lower Upper

105 100

134 19.6 10.6 31.8



#86

p-Isopropyltoluene

Concen: 29.226 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX007468.D

Acq: 11 Feb 2019 15:19

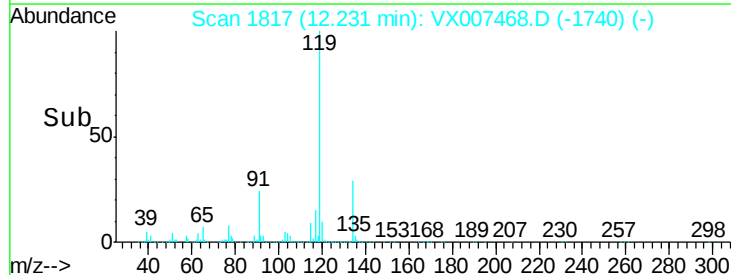
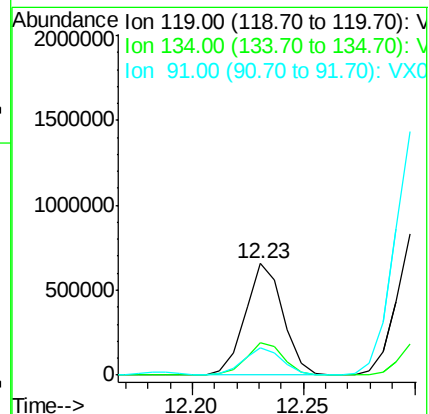
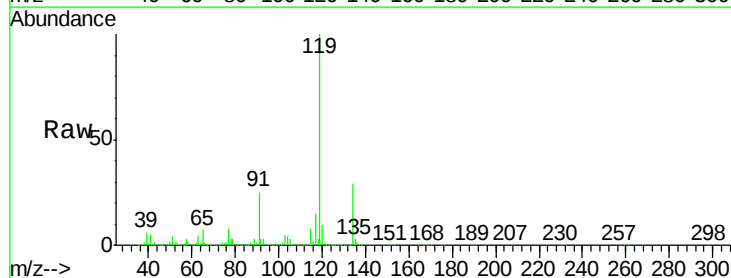
Tgt Ion:119 Resp: 772657

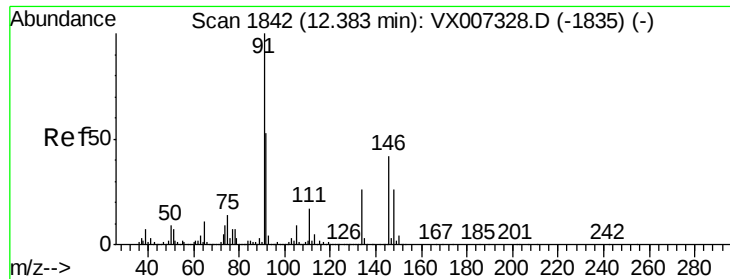
Ion Ratio Lower Upper

119 100

134 29.1 13.7 41.1

91 24.8 11.2 33.5

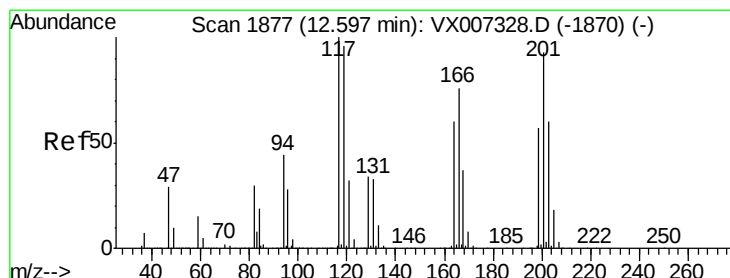
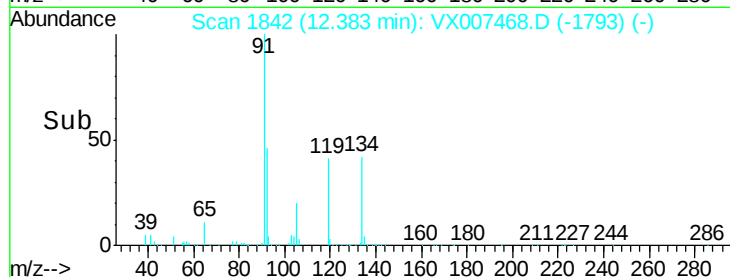
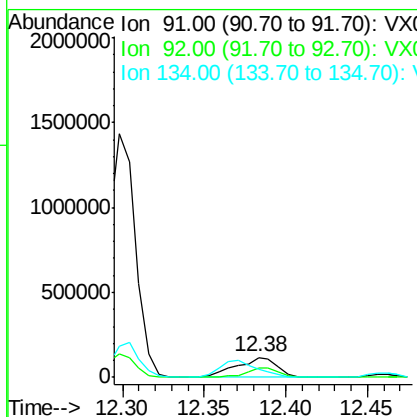
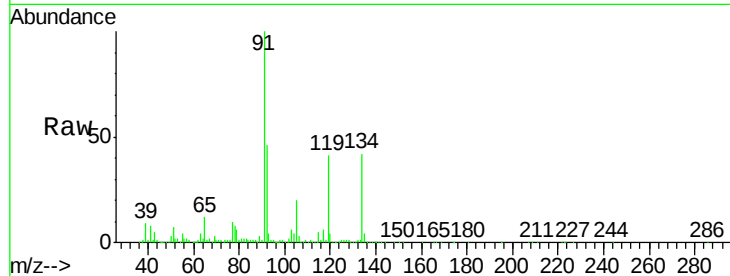




#89
n-Butylbenzene
Concen: 8.847 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

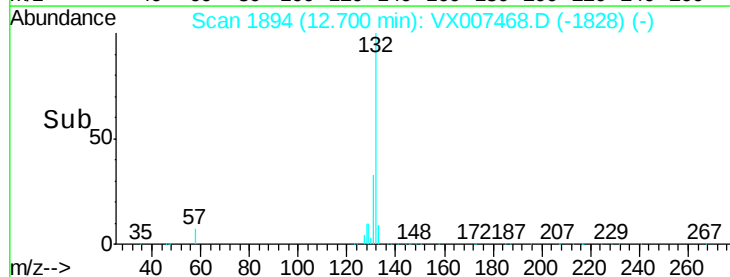
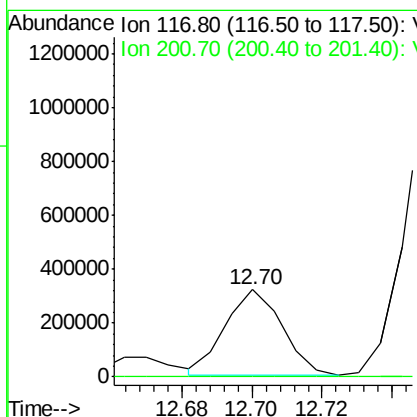
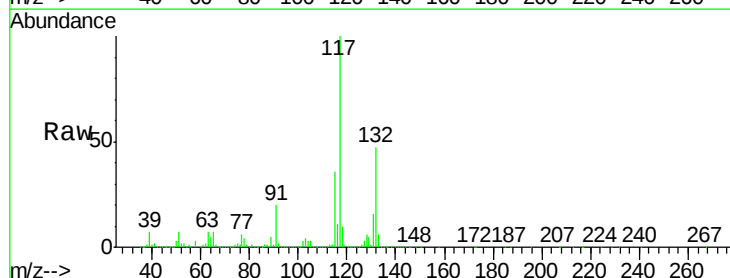
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207

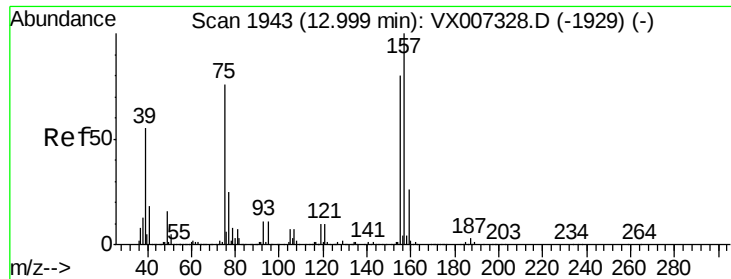
Tot Ion: 91 Resp: 201198
Ion Ratio Lower Upper
91 100
92 37.8 26.3 78.9
134 79.8 13.9 41.6#



#90
Hexachloroethane
Concen: 89.882 ug/l
RT: 12.70 min Scan# 1894
Delta R.T. 0.10 min
Lab File: VX007468.D
Acq: 11 Feb 2019 15:19

Tgt Ion: 117 Resp: 355639
Ion Ratio Lower Upper
117 100
201 0.0 44.9 134.7#

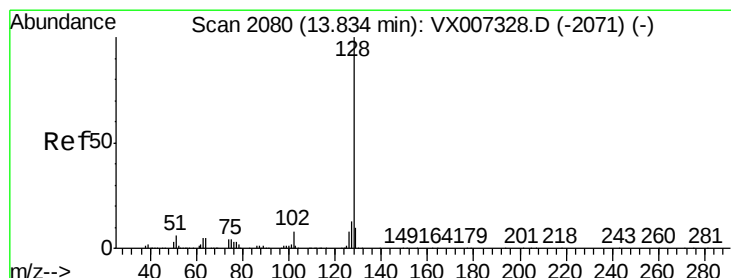
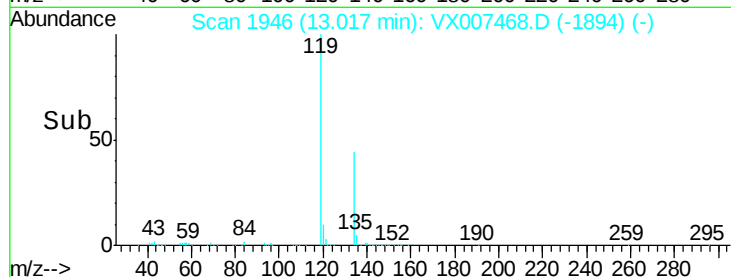
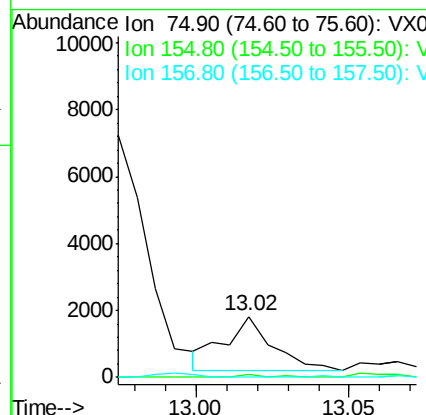
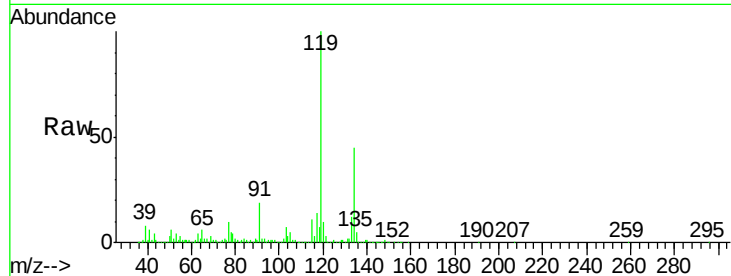




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.948 ug/l
 RT: 13.02 min Scan# 1946
 Delta R.T. 0.02 min
 Lab File: VX007468.D
 Acq: 11 Feb 2019 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-190207

Tot Ion: 75 Resp: 1795
 Ion Ratio Lower Upper
 75 100
 155 2.6 49.6 149.0#
 157 0.0 65.1 195.3#



#95
 Naphthalene
 Concen: 324.083 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX007468.D
 Acq: 11 Feb 2019 15:19

Tgt Ion: 128 Resp: 9608525
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.5 15.7
 129 11.8 8.7 13.1

