

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
 Data File : VW007753.D
 Acq On : 20 Dec 2018 17:58
 Operator : SY/AP
 Sample : J6392-13
 Misc : 7.21G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB104-121218-(24-26)

Quant Time: Dec 21 03:53:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	127533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	112267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	46461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	71645	85.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.04%	
35) Dibromofluoromethane	7.88	113	67831	87.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.36%	
50) Toluene-d8	10.34	98	274336	93.53	ug/l	0.01
Spiked Amount	50.000		Recovery	=	187.06%	
62) 4-Bromofluorobenzene	12.62	95	107390	94.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.56%	

Target Compounds

						Qvalue
3) Chloromethane	2.32	50	2111	5.030	ug/l #	75
11) Tert butyl alcohol	5.18	59	7413	130.402	ug/l #	73
13) Acrolein	3.84	56	2876	63.275	ug/l #	1
14) Allyl chloride	4.77	41	20403	20.510	ug/l #	71
15) Acrylonitrile	5.44	53	61850	425.581	ug/l #	39
16) Acetone	4.12	43	57374	363.576	ug/l #	74
19) Methyl tert-butyl Ether	5.43	73	92864	85.272	ug/l #	1
20) Methylene Chloride	4.76	84	6964	2.882	ug/l #	18
23) Vinyl Acetate	6.29	43	21398	19.336	ug/l #	74
24) 1,1-Dichloroethane	6.22	63	3781	2.759	ug/l #	81
25) 2-Butanone	7.17	43	40492	219.071	ug/l #	53
26) 2,2-Dichloropropane	6.99	77	16634	16.589	ug/l #	53
28) Bromochloromethane	7.70	49	7620	16.310	ug/l #	1
29) Tetrahydrofuran	7.52	42	3092	28.045	ug/l #	27
30) Chloroform	7.63	83	120018	77.394	ug/l #	18
31) Cyclohexane	7.94	56	1276372	1017.462	ug/l #	56
36) 1,1-Dichloropropene	7.95	75	7596	6.171	ug/l #	48
37) Ethyl Acetate	7.17	43	40492	95.318	ug/l #	68
38) Carbon Tetrachloride	7.95	117	8616	5.944	ug/l #	15
39) Methylcyclohexane	9.34	83	1775680	1160.914	ug/l #	87
40) Benzene	8.32	78	2858624	870.285	ug/l #	99
41) Methacrylonitrile	7.52	41	26393	109.430	ug/l #	50
42) 1,2-Dichloroethane	8.32	62	28004	25.440	ug/l #	77
43) Isopropyl Acetate	8.49	43	3531656	4149.600	ug/l #	49
45) 1,2-Dichloropropane	9.34	63	31779	43.602	ug/l #	1
46) Dibromomethane	9.41	93	5049	11.254	ug/l #	1
47) Bromodichloromethane	9.63	83	142294	120.641	ug/l #	34
48) Methyl methacrylate	9.48	41	159421	375.266	ug/l #	21
51) 4-Methyl-2-Pentanone	10.29	43	218581	543.436	ug/l #	76
53) t-1,3-Dichloropropene	10.41	75	379732	323.675	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	401667	649.410	ug/l #	25
56) Ethyl methacrylate	10.63	69	38067	52.091	ug/l #	33
58) 2-Chloroethyl Vinyl ether	9.91	63	18678	55.981	ug/l #	42
59) 2-Hexanone	10.94	43	236228	835.114	ug/l #	30

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

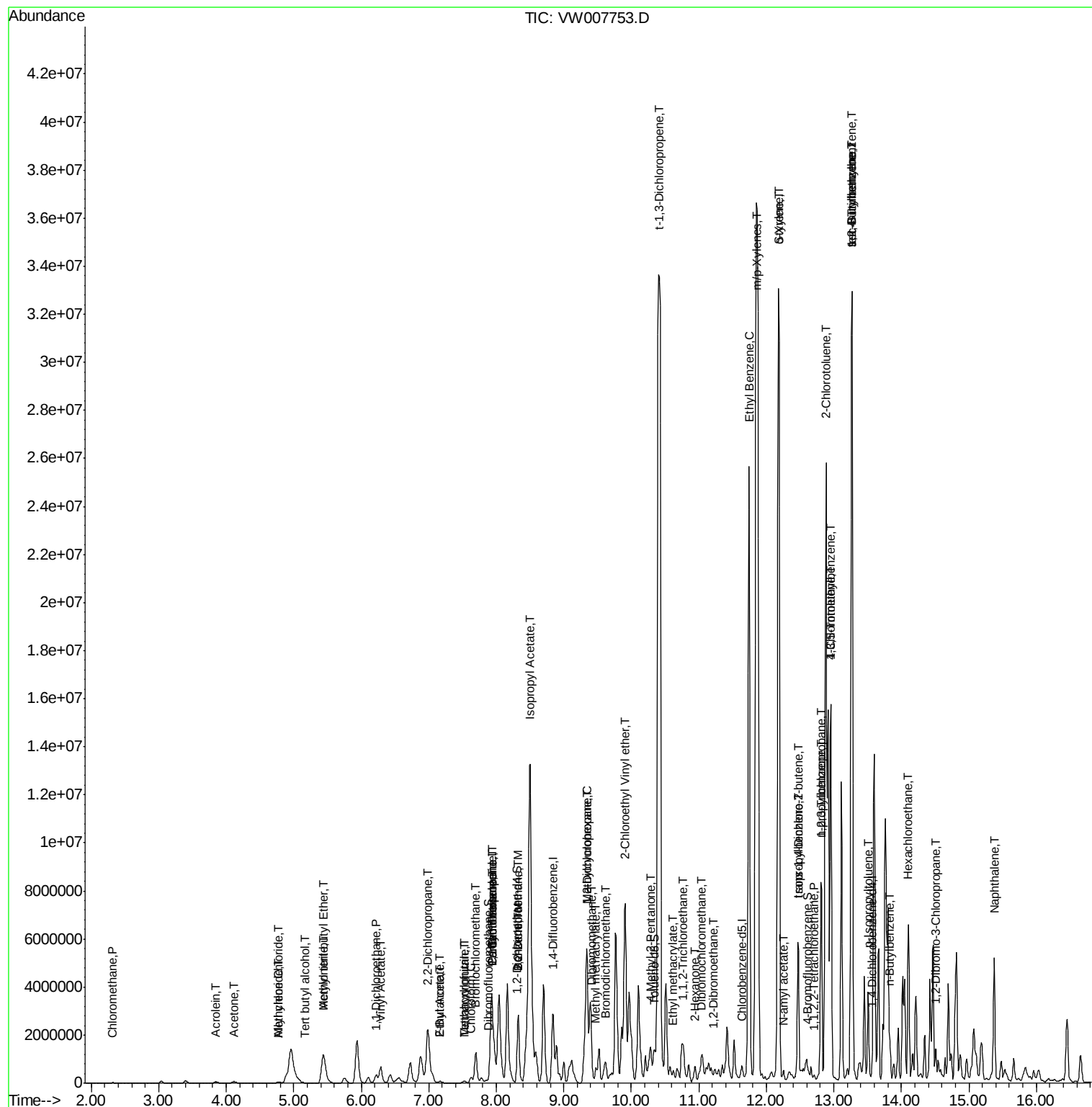
60) Dibromochloromethane	11.04	129	1822	2.225	ug/l #	48
61) 1,2-Dibromoethane	11.21	107	1946	3.107	ug/l #	1
67) Ethyl Benzene	11.74	91	18361331	4403.449	ug/l #	88
68) m/p-Xylenes	11.86	106	20370516	12593.741	ug/l #	1
69) o-Xylene	12.18	106	11287734	7444.707	ug/l	74
70) Styrene	12.18	104	673207	270.110	ug/l #	1
73) Isopropylbenzene	12.47	105	3783496	1077.326	ug/l	99
74) N-amyl acetate	12.26	43	89796	147.614	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.71	83	3612	6.860	ug/l #	1
76) 1,2,3-Trichloropropane	12.81	75	46200	128.655	ug/l #	100
78) n-propylbenzene	12.81	91	6774425	1657.102	ug/l	99
79) 2-Chlorotoluene	12.88	91	2536698	1065.157	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.96	105	7662931	2529.608	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.47	75	47935	280.198	ug/l #	63
82) 4-Chlorotoluene	12.96	91	874904	345.026	ug/l #	42
83) tert-Butylbenzene	13.27	119	3226439	1213.872	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.26	105	19822677	6484.933	ug/l	83
85) sec-Butylbenzene	13.26	105	19822677	5411.347	ug/l #	56
86) p-Isopropyltoluene	13.51	119	2162589	649.237	ug/l	99
89) n-Butylbenzene	13.83	91	651218	213.228	ug/l #	68
90) Hexachloroethane	14.11	117	350721	599.740	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2710	25.061	ug/l #	11
95) Naphthalene	15.38	128	4400411	2396.490	ug/l	99

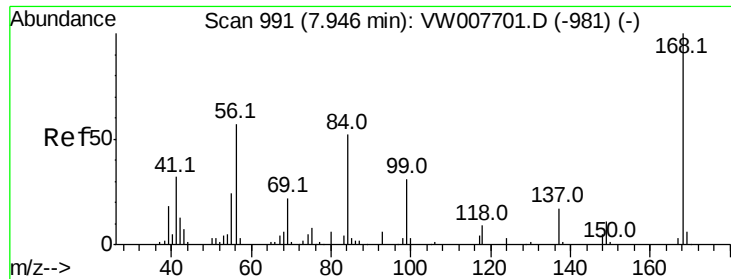
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

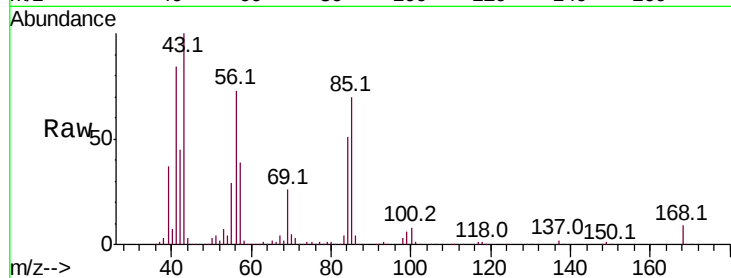
KY001SB104-121218-(24-26)

Tot Ion:168 Resp: 76886

Ion Ratio Lower Upper

168 100

99 63.8 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

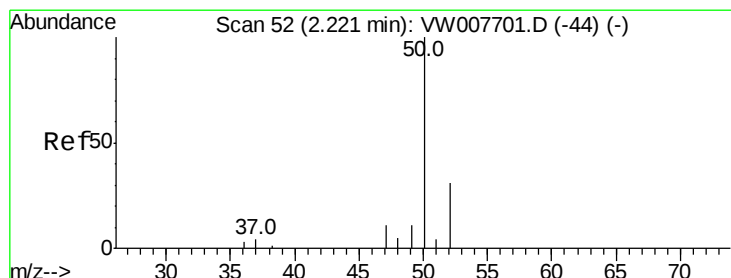
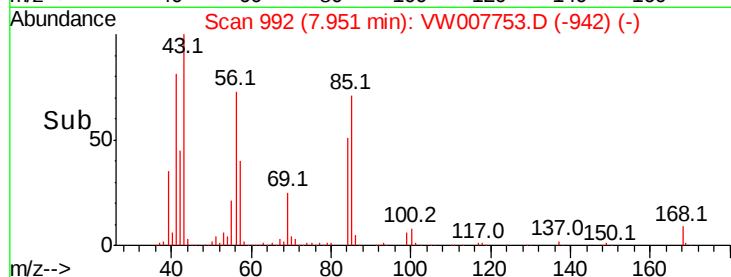
20000

10000

0

Time-->

7.90 8.00



#3

Chloromethane

Concen: 5.030 ug/l

RT: 2.32 min Scan# 68

Delta R.T. 0.10 min

Lab File: VW007753.D

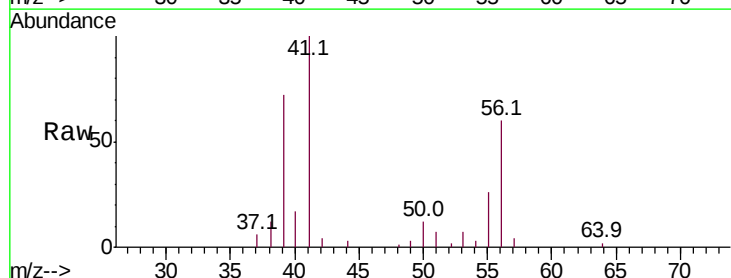
Acq: 20 Dec 2018 17:58

Tgt Ion: 50 Resp: 2111

Ion Ratio Lower Upper

50 100

52 17.4 25.1 37.7#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.32

1000

800

600

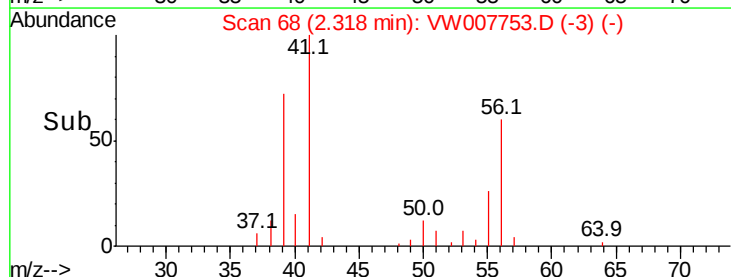
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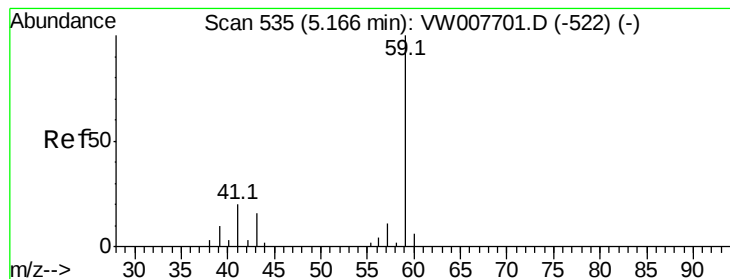
200

0

Time-->

2.25 2.30 2.35



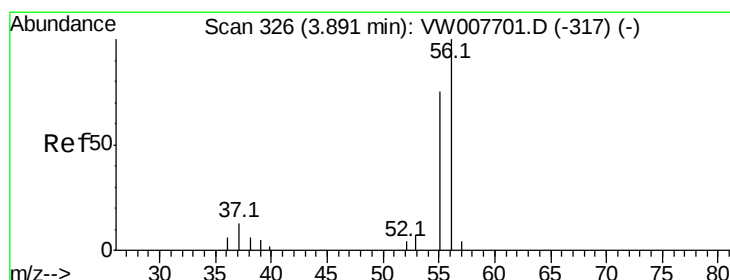
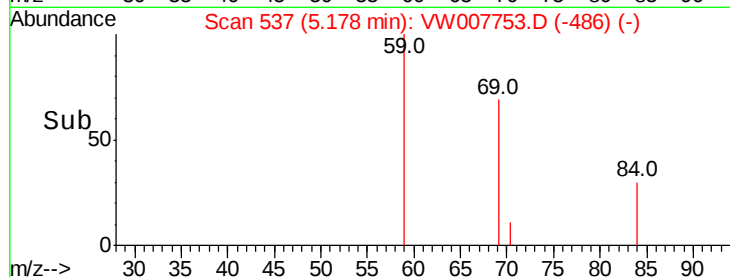
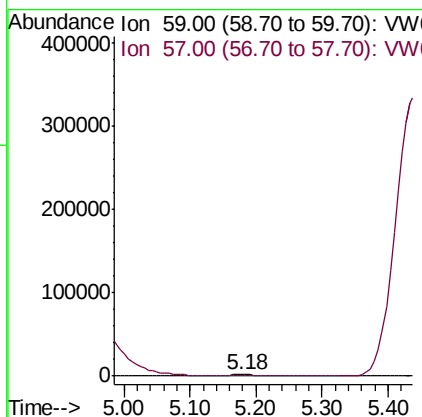
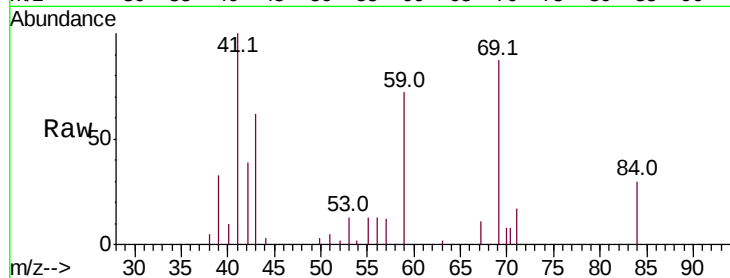


#11

Tert butyl alcohol
 Concen: 130.402 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007753.D
 Acq: 20 Dec 2018 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB104-121218-(24-26)

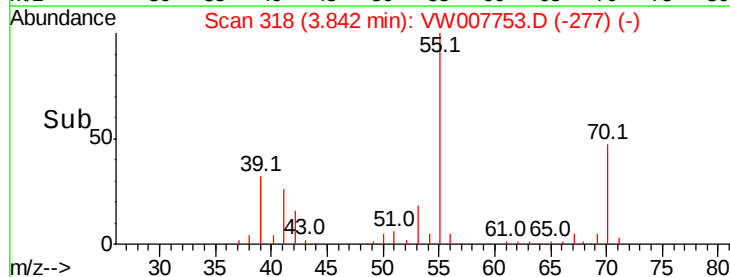
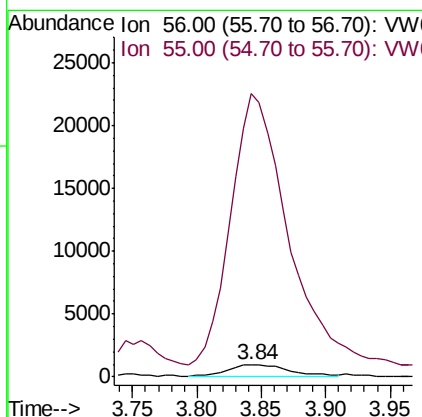
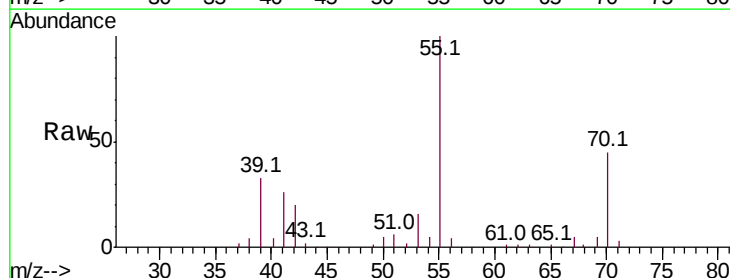
Tot Ion: 59 Resp: 7413
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

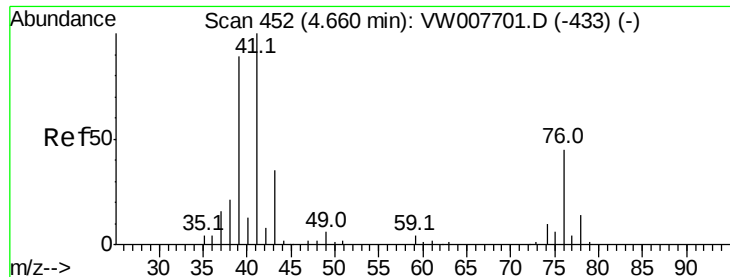


#13

Acrolein
 Concen: 63.275 ug/l
 RT: 3.84 min Scan# 318
 Delta R.T. -0.05 min
 Lab File: VW007753.D
 Acq: 20 Dec 2018 17:58

Tgt Ion: 56 Resp: 2876
 Ion Ratio Lower Upper
 56 100
 55 2643.1 57.7 86.5#





#14

Allvl chloride

Concen: 20.510 ug/l

RT: 4.77 min Scan# 470

Delta R.T. 0.11 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

KY001SB104-121218-(24-26)

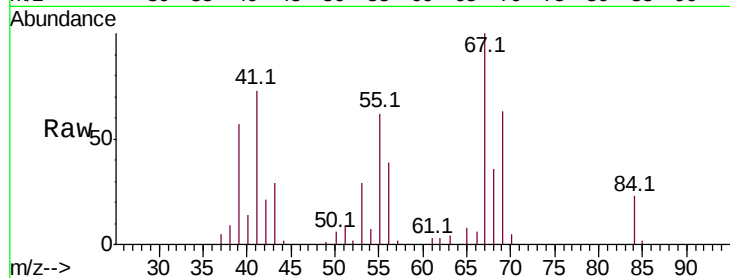
Tot Ion: 41 Resp: 20403

Ion Ratio Lower Upper

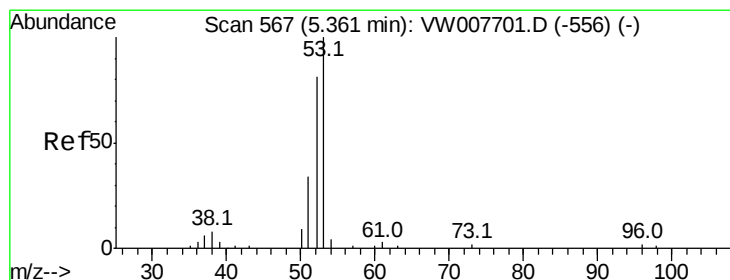
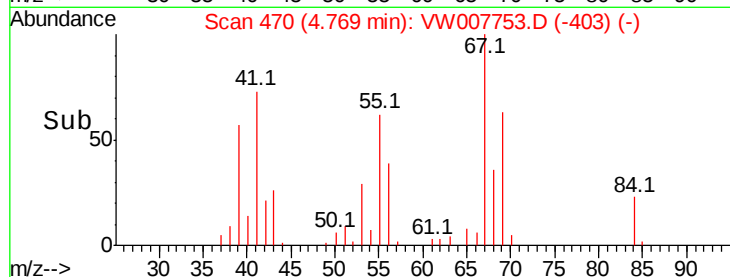
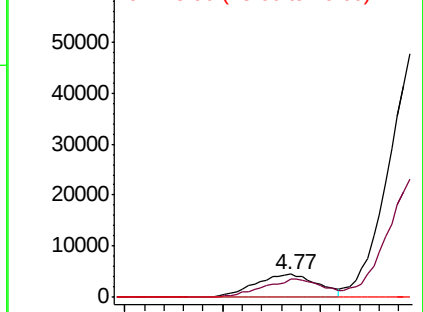
41 100

39 77.9 69.5 104.3

76 0.0 34.8 52.2#



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



#15

Acrylonitrile

Concen: 425.581 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.08 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

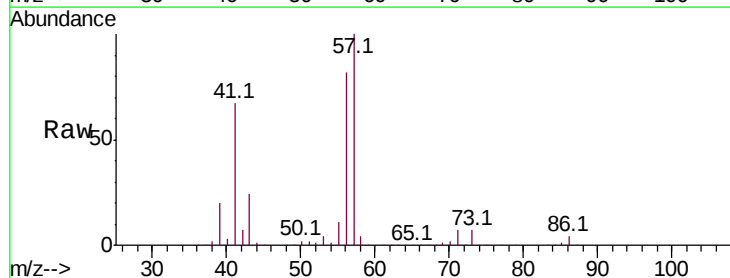
Tgt Ion: 53 Resp: 61850

Ion Ratio Lower Upper

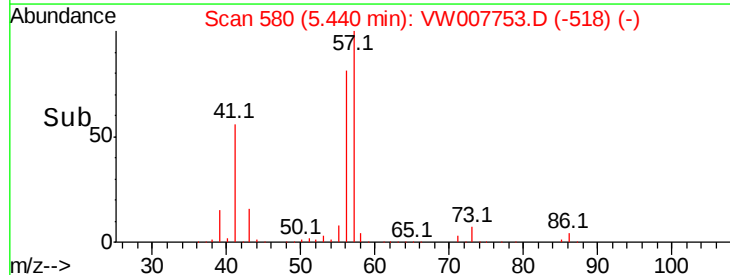
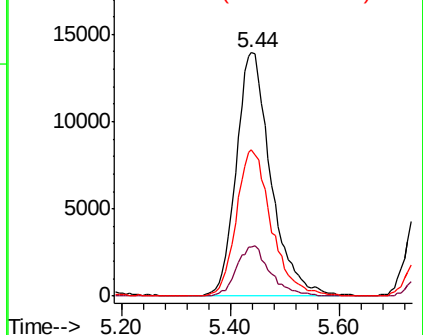
53 100

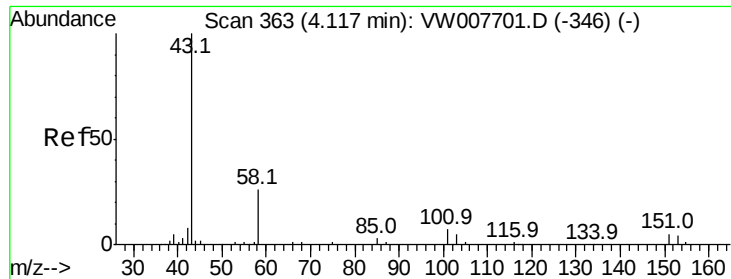
52 19.8 67.0 100.4#

51 60.9 30.2 45.2#



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





#16

Acetone

Concen: 363.576 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

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ClientSampleId :

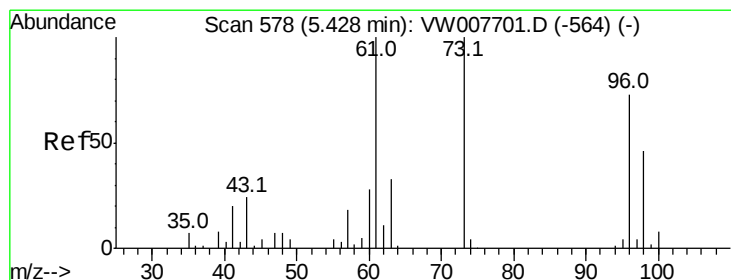
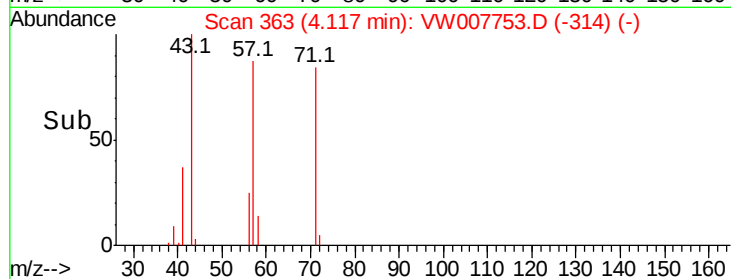
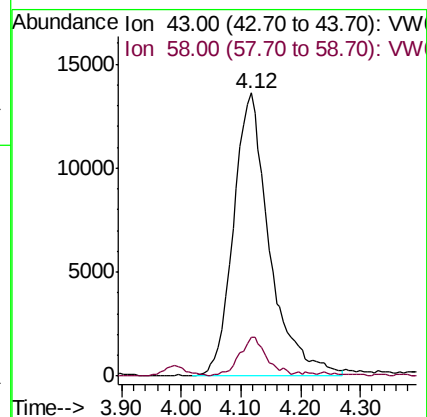
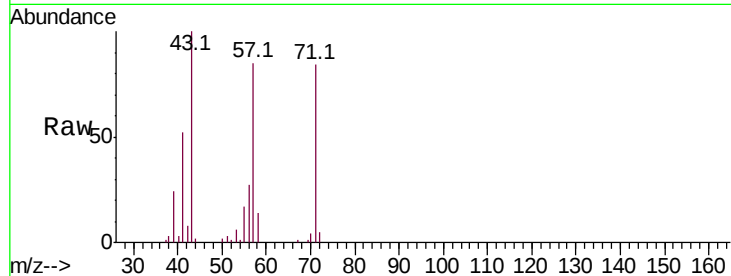
KY001SB104-121218-(24-26)

Tot Ion: 43 Resp: 57374

Ion Ratio Lower Upper

43 100

58 13.0 21.2 31.8#



#19

Methyl tert-butyl Ether

Concen: 85.272 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007753.D

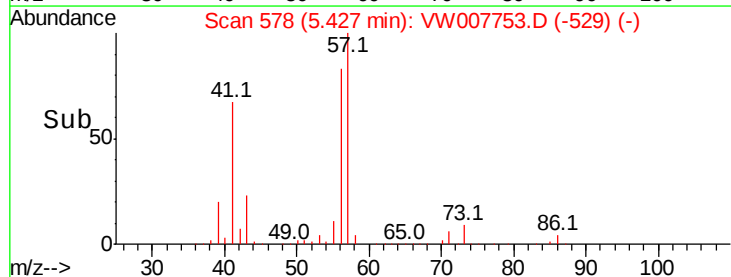
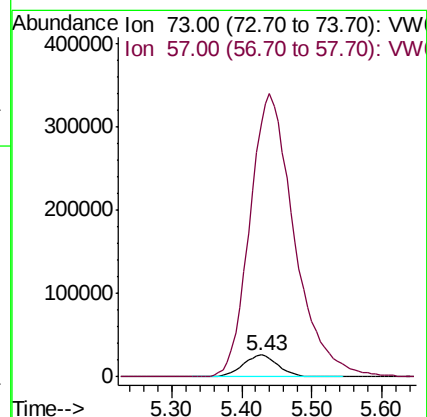
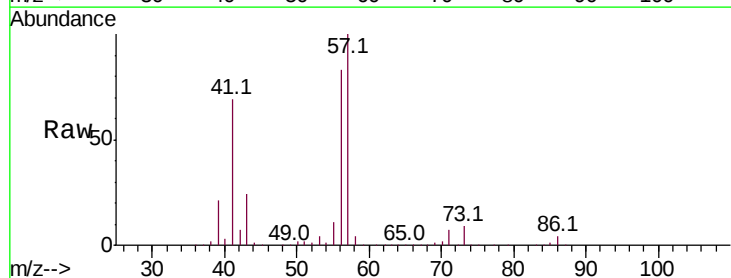
Acq: 20 Dec 2018 17:58

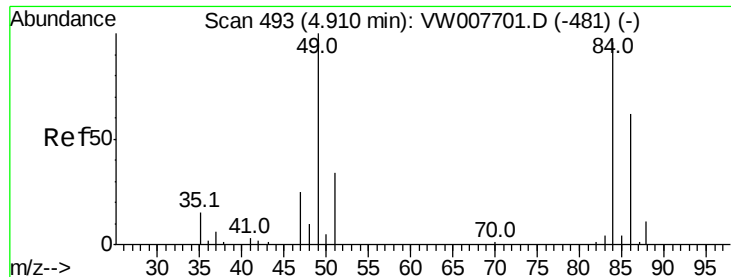
Tgt Ion: 73 Resp: 92864

Ion Ratio Lower Upper

73 100

57 1149.1 14.7 22.1#





#20

Methylene Chloride

Concen: 2.882 ug/l

RT: 4.76 min Scan# 469

Delta R.T. -0.15 min

Lab File: VW007753.D

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KY001SB104-121218-(24-26)

Tot Ion: 84 Resp: 6964

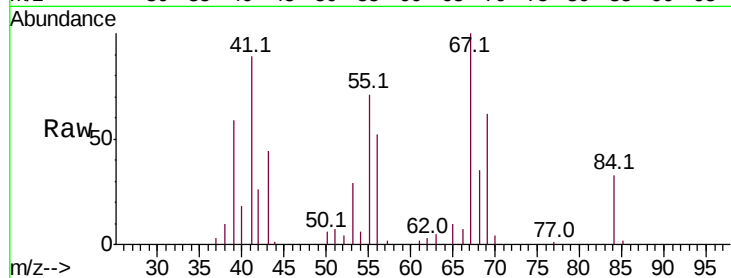
Ion Ratio Lower Upper

84 100

49 0.0 83.7 125.5#

51 22.2 28.2 42.2#

86 0.0 52.2 78.2#

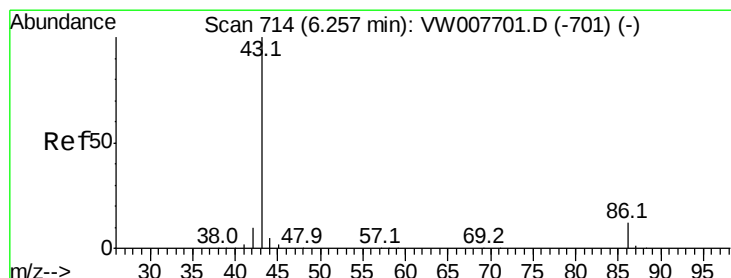
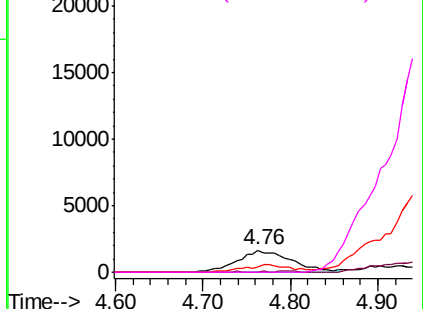
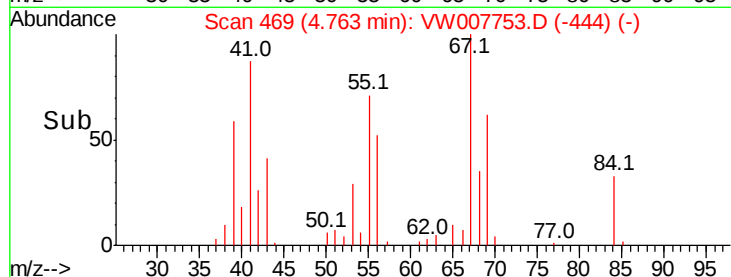


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#23

Vinyl Acetate

Concen: 19.336 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.03 min

Lab File: VW007753.D

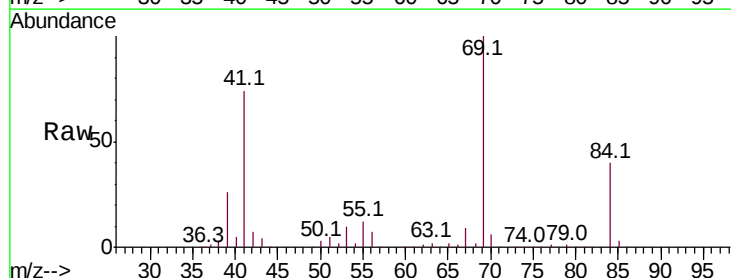
Acq: 20 Dec 2018 17:58

Tgt Ion: 43 Resp: 21398

Ion Ratio Lower Upper

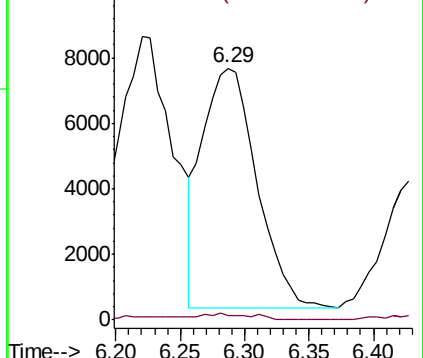
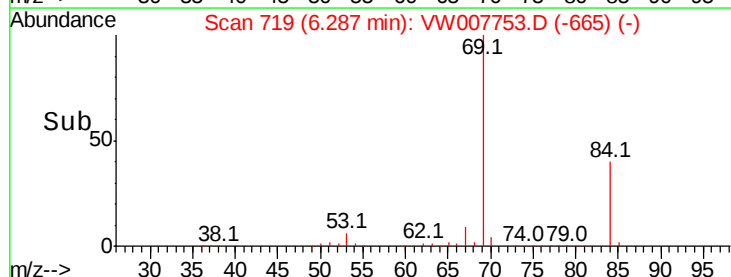
43 100

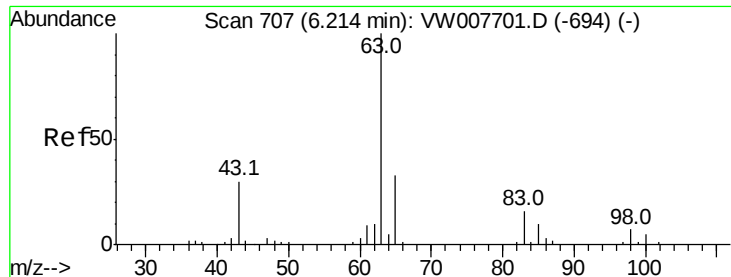
86 1.8 9.6 14.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 2.759 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

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KY001SB104-121218-(24-26)

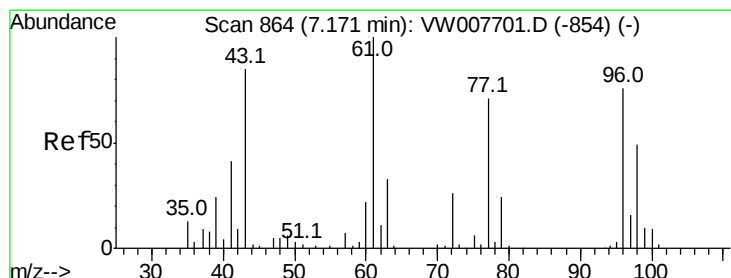
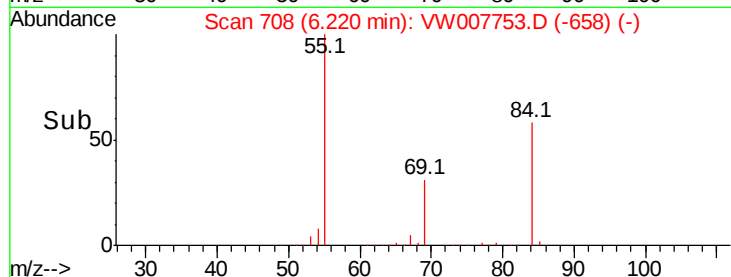
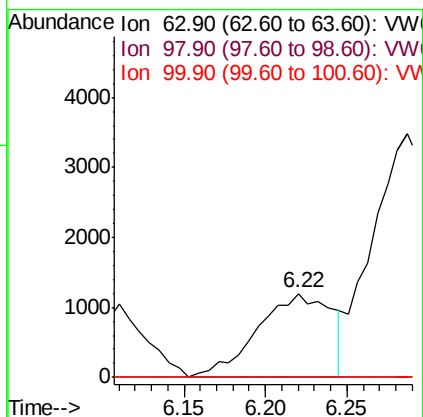
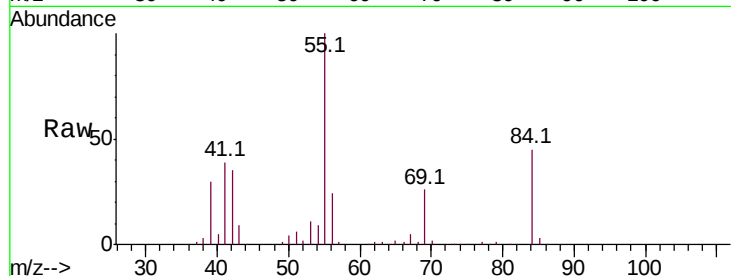
Tot Ion: 63 Resp: 3781

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

100 0.0 2.5 7.5#



#25

2-Butanone

Concen: 219.071 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007753.D

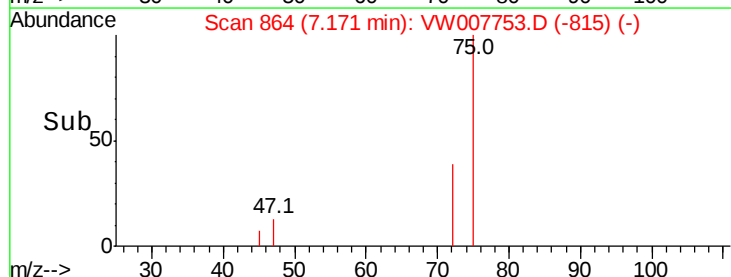
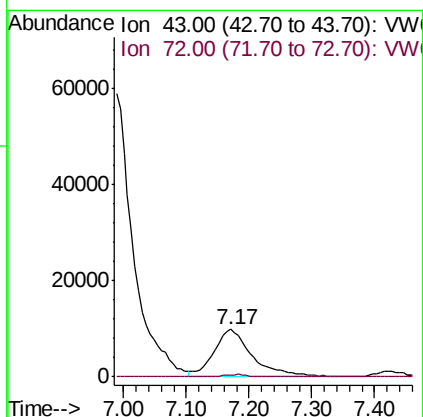
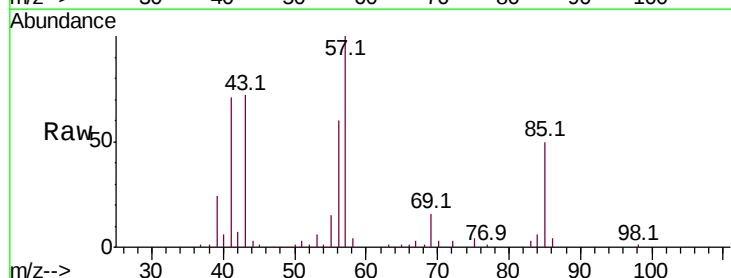
Acq: 20 Dec 2018 17:58

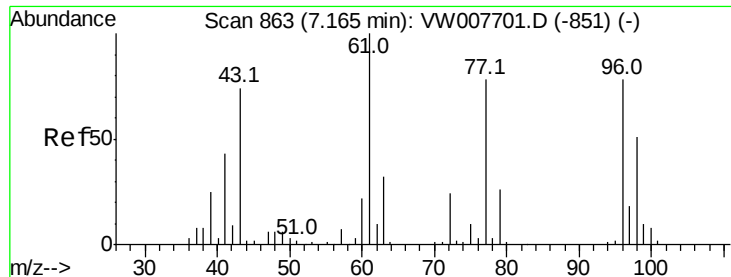
Tgt Ion: 43 Resp: 40492

Ion Ratio Lower Upper

43 100

72 4.8 24.5 36.7#





#26

2,2-Dichloropropane

Concen: 16.589 ug/l

RT: 6.99 min Scan# 835

Delta R.T. -0.17 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

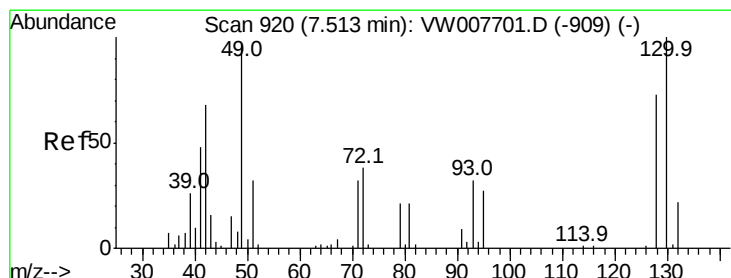
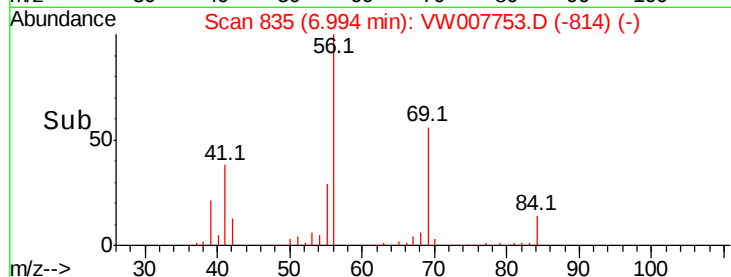
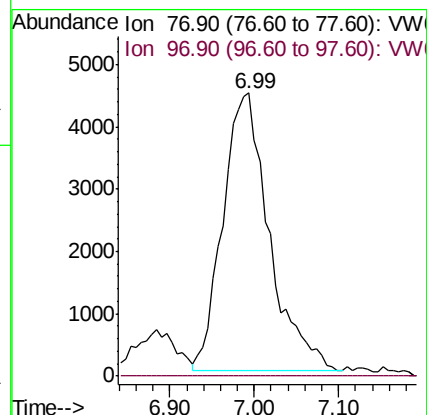
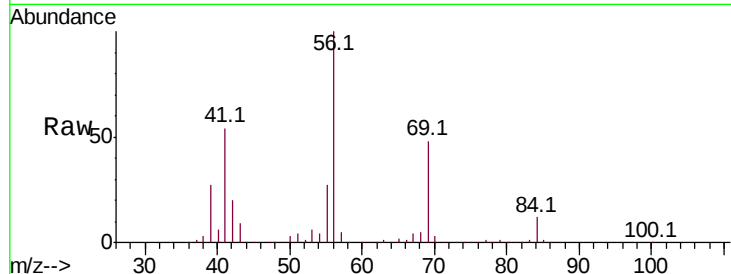
KY001SB104-121218-(24-26)

Tot Ion: 77 Resp: 16634

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#



#28

Bromochloromethane

Concen: 16.310 ug/l

RT: 7.70 min Scan# 950

Delta R.T. 0.18 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

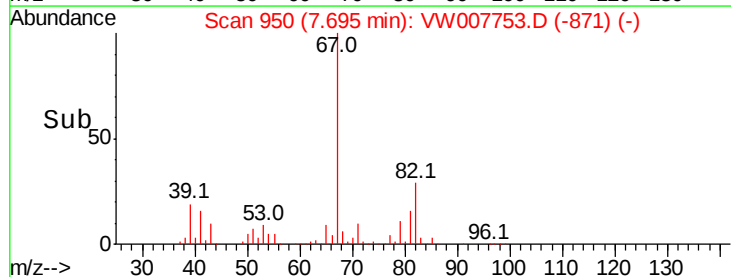
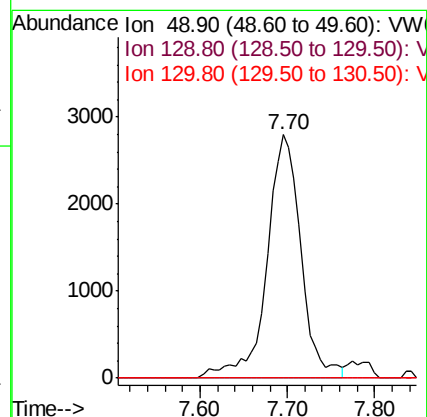
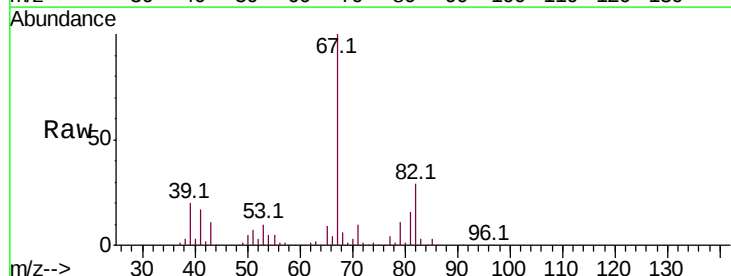
Tgt Ion: 49 Resp: 7620

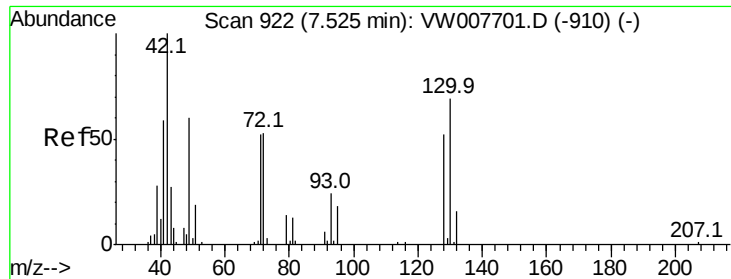
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 0.0 81.5 122.3#

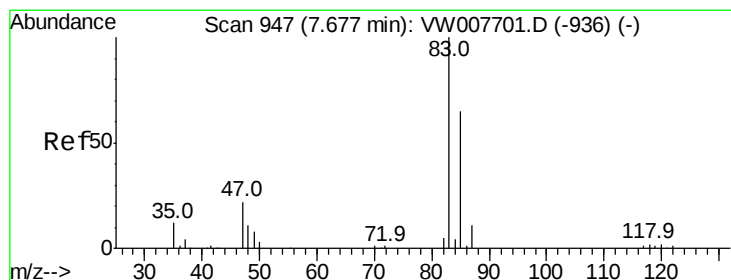
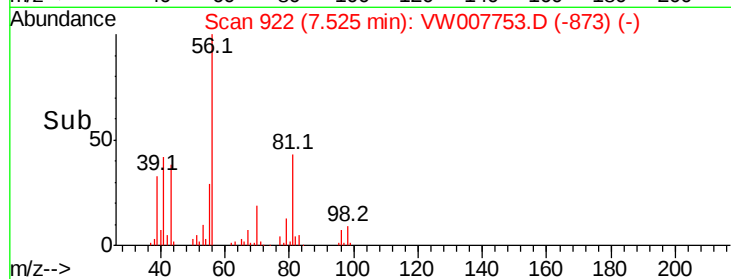
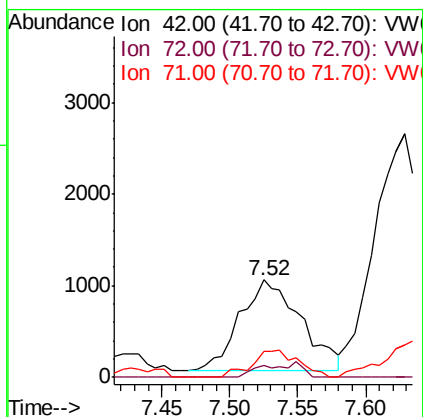
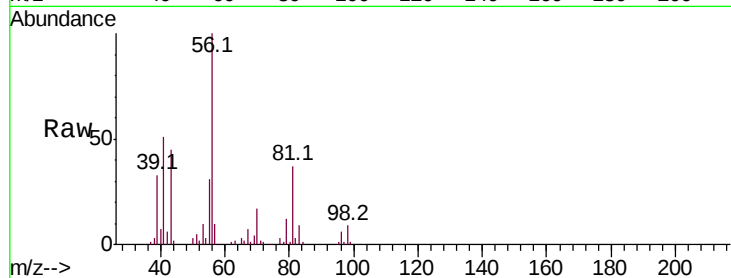




#29
Tetrahydrofuran
Concen: 28.045 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

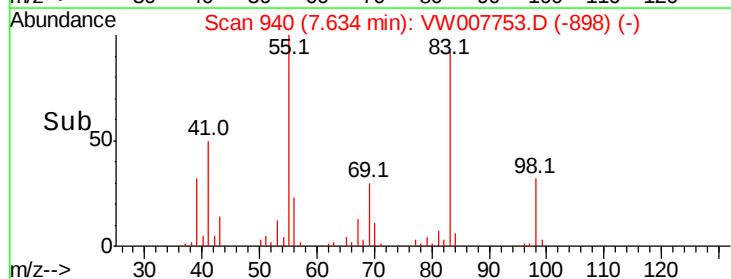
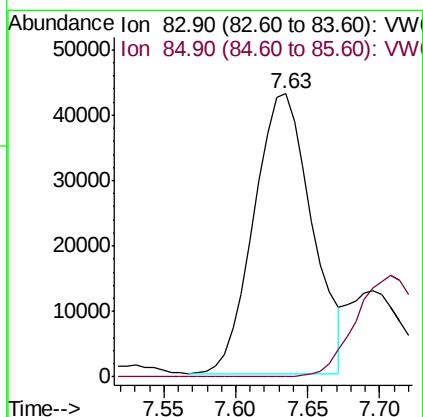
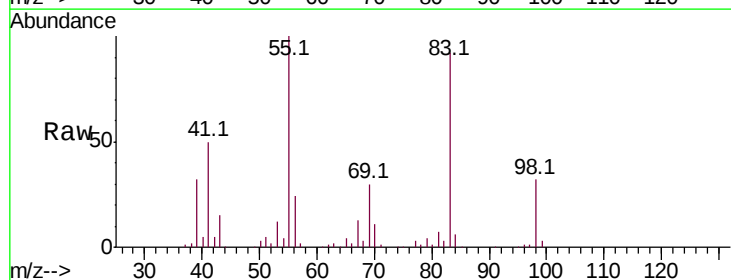
Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

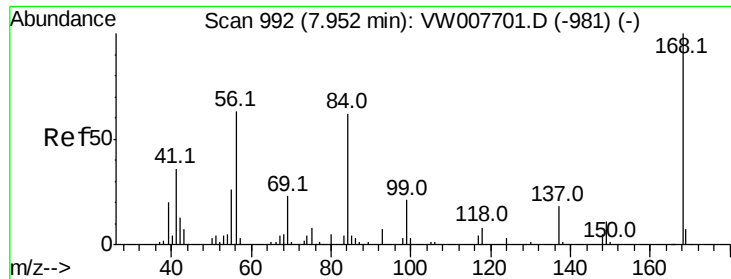
Tot Ion: 42 Resp: 3092
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 39.0 58.6#



#30
Chloroform
Concen: 77.394 ug/l
RT: 7.63 min Scan# 940
Delta R.T. -0.04 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Tgt Ion: 83 Resp: 120018
Ion Ratio Lower Upper
83 100
85 0.3 52.2 78.2#

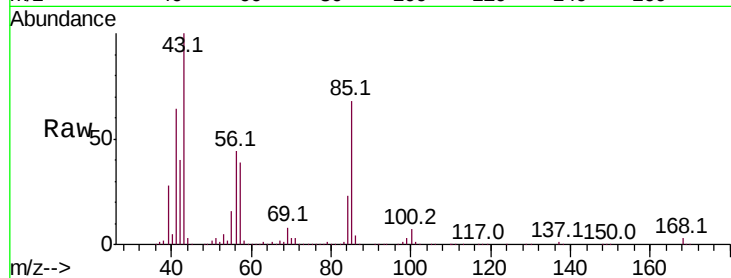




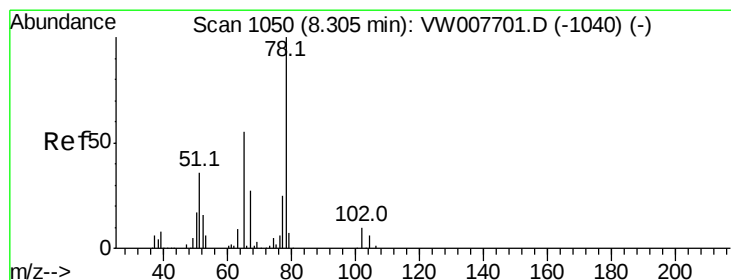
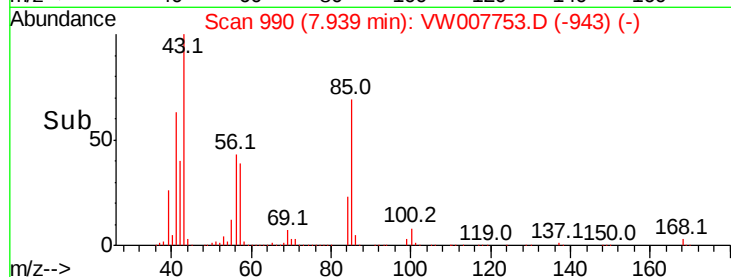
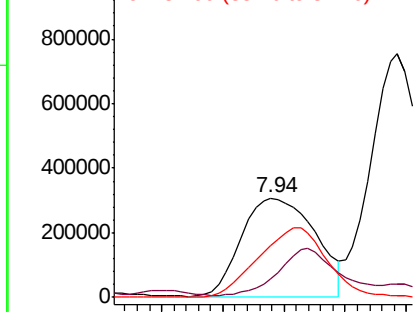
#31
Cyclohexane
Concen: 1017.462 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

Tot Ion: 56 Resp: 1276372
Ion Ratio Lower Upper
56 100
69 14.3 29.7 44.5#
84 52.8 78.9 118.3#

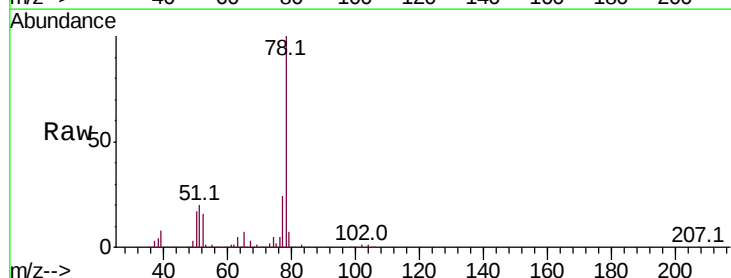


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

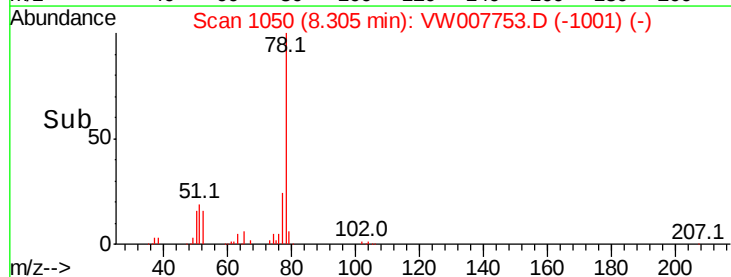
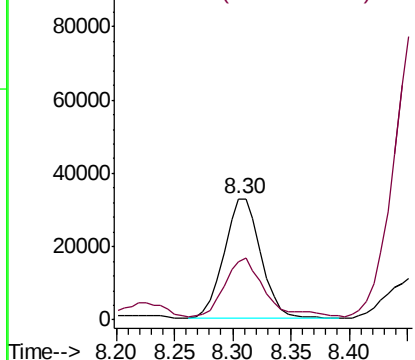


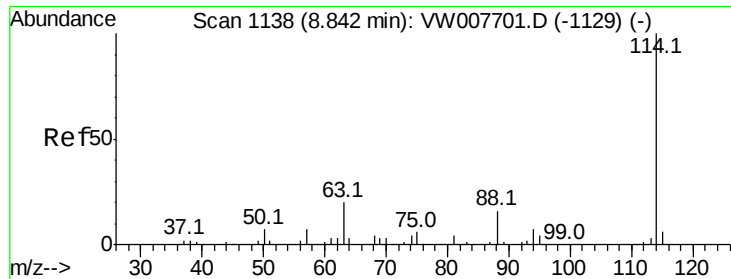
#33
1,2-Dichloroethane-d4
Concen: 85.018 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Tgt Ion: 65 Resp: 71645
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.6



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

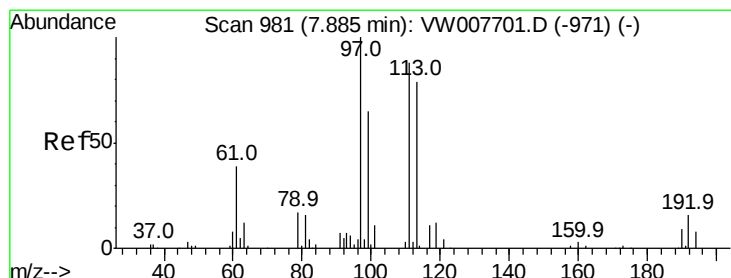
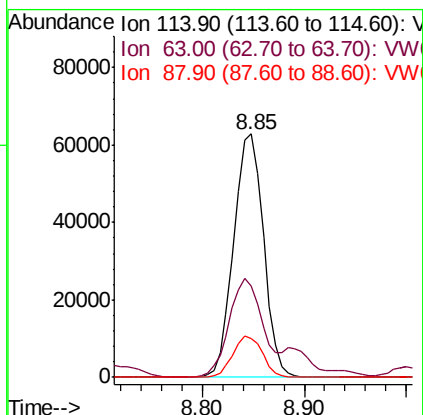
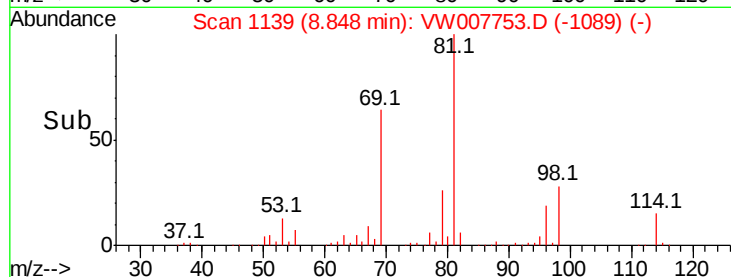
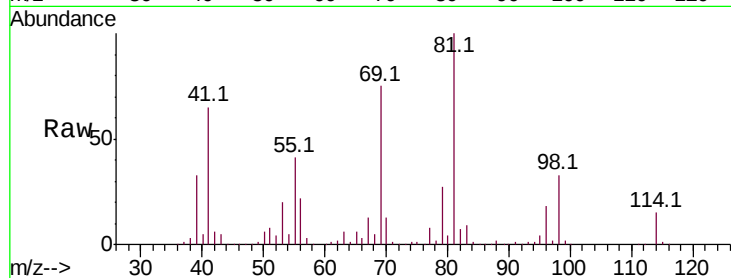




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW007753.D
 Acq: 20 Dec 2018 17:58

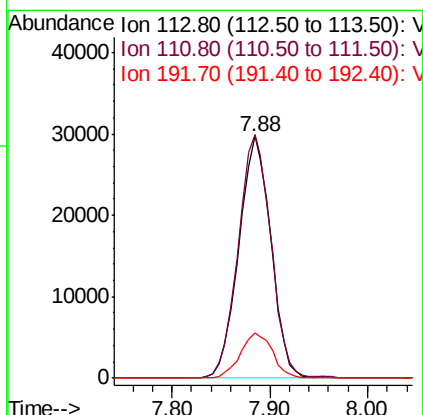
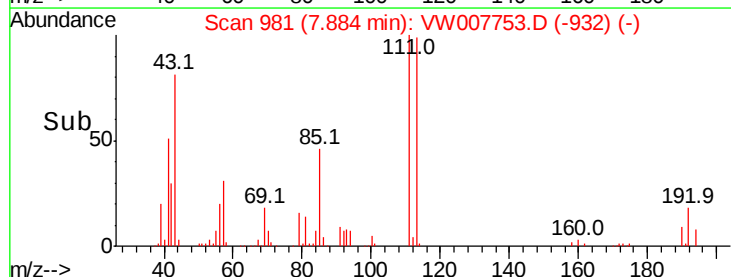
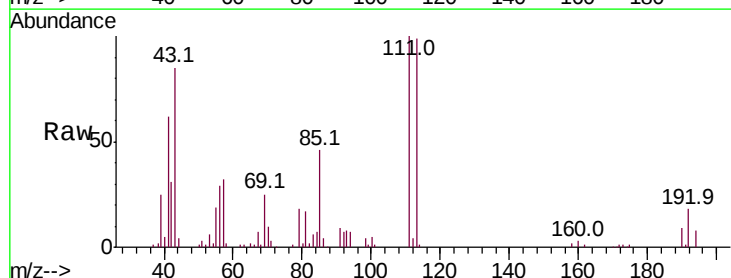
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB104-121218-(24-26)

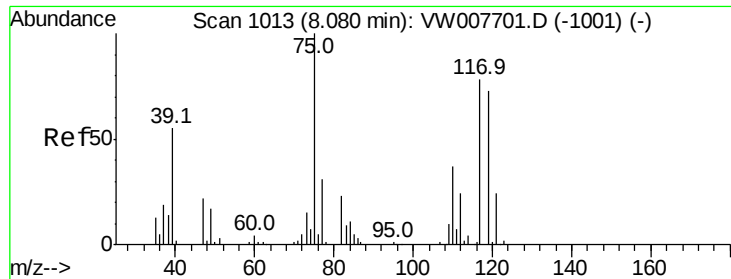
Tot Ion:114 Resp: 127533
 Ion Ratio Lower Upper
 114 100
 63 37.3 0.0 40.0
 88 15.9 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 87.185 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007753.D
 Acq: 20 Dec 2018 17:58

Tgt Ion:113 Resp: 67831
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 124.0
 192 18.7 15.5 23.3

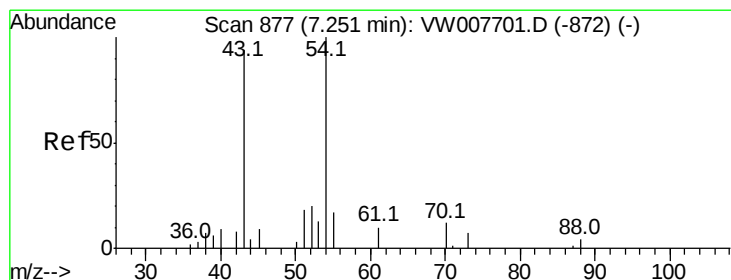
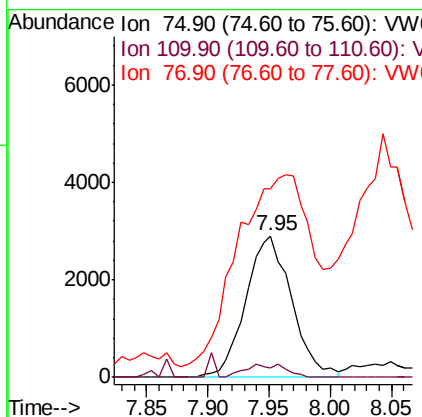
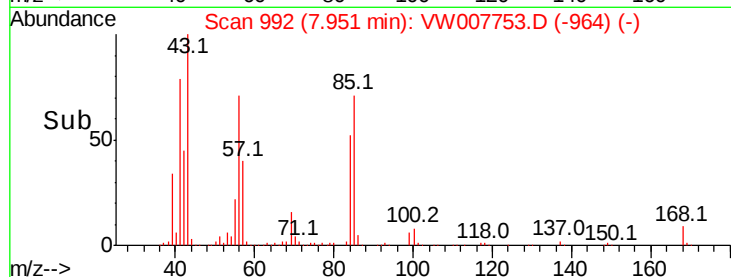
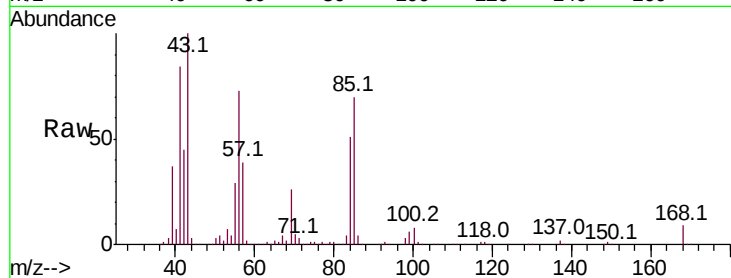




#36
 1,1-Dichloropropene
 Concen: 6.171 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007753.D
 Acq: 20 Dec 2018 17:58

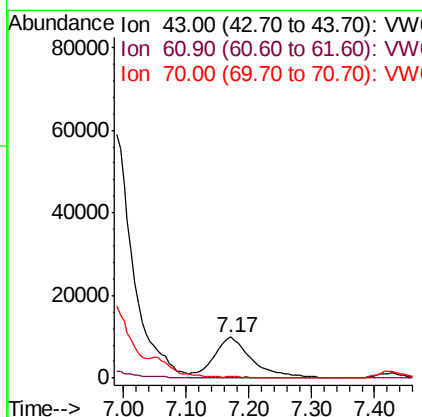
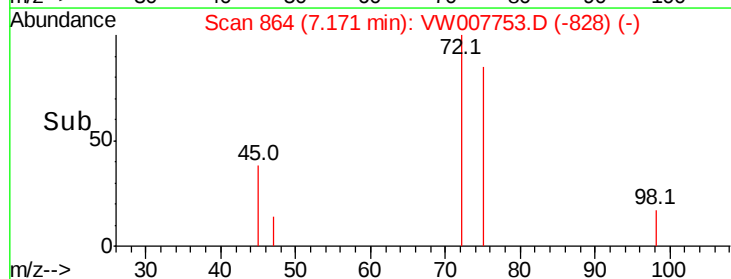
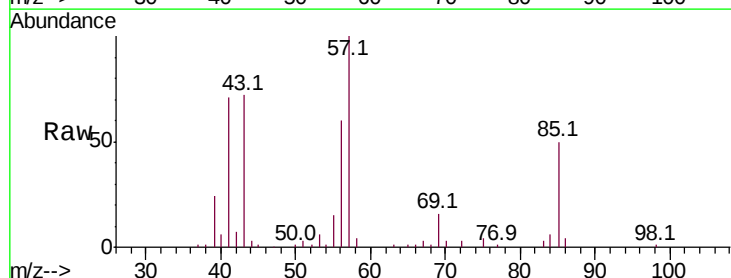
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB104-121218-(24-26)

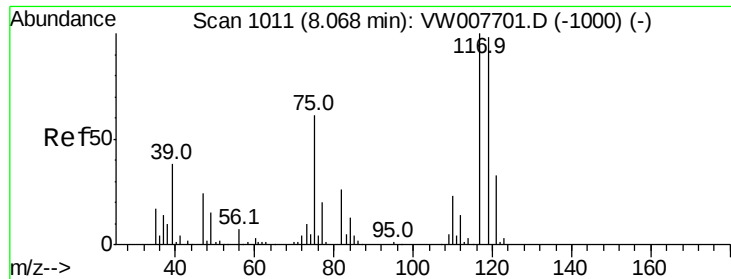
Tot Ion: 75 Resp: 7596
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 95.318 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW007753.D
 Acq: 20 Dec 2018 17:58

Tgt Ion: 43 Resp: 40492
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 9.3 13.9#

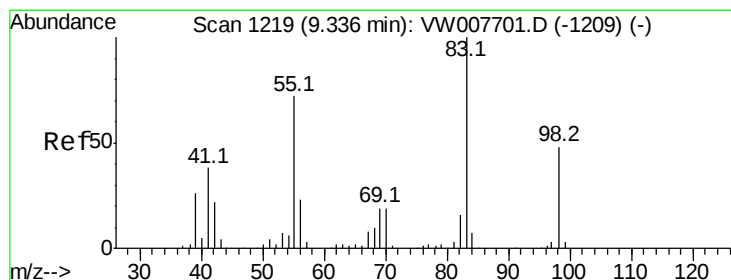
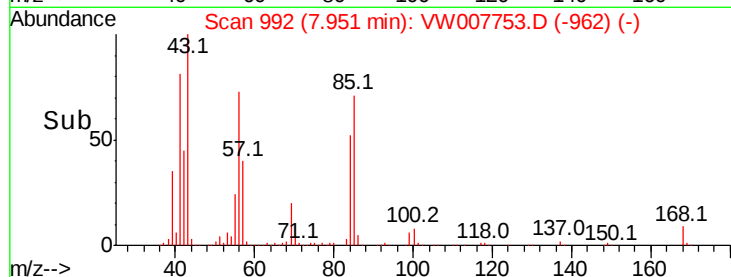
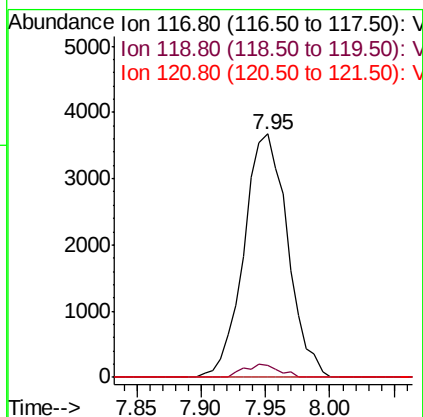
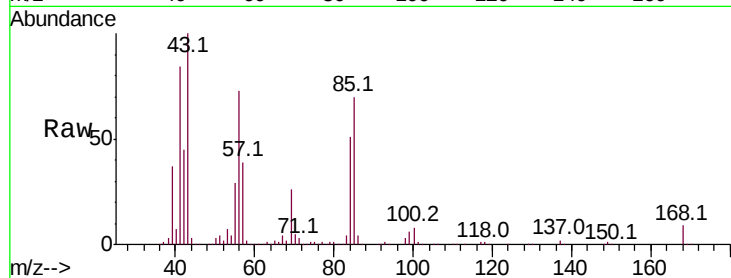




#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

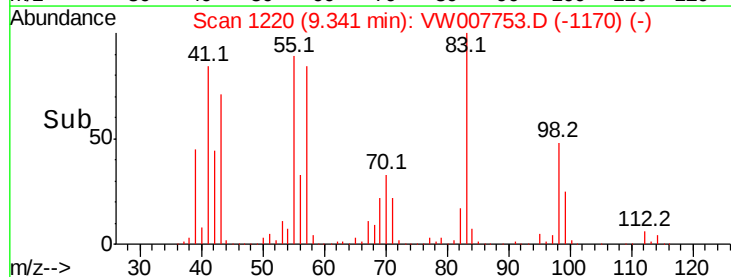
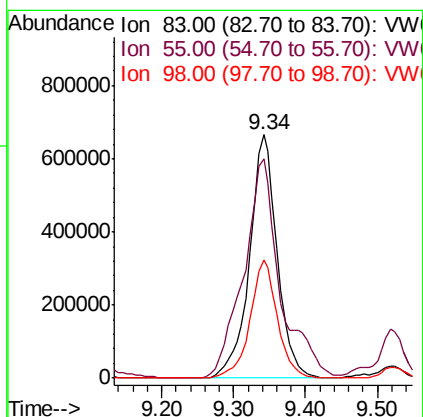
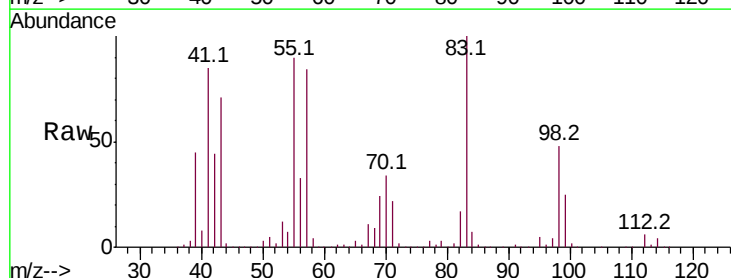
Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

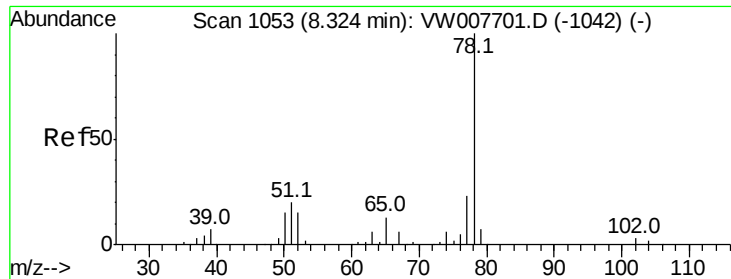
Tot Ion:117 Resp: 8616
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 26.1 39.1#



#39
Methylcyclohexane
Concen: 1160.914 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Tgt Ion: 83 Resp: 1775680
Ion Ratio Lower Upper
83 100
55 90.0 57.2 85.8#
98 48.5 38.6 58.0





#40

Benzene

Concen: 870.285 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

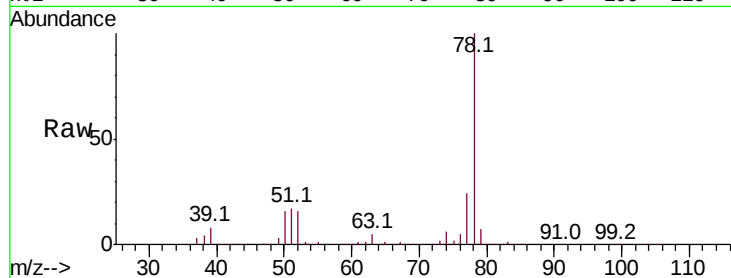
KY001SB104-121218-(24-26)

Tot Ion: 78 Resp: 2858624

Ion Ratio Lower Upper

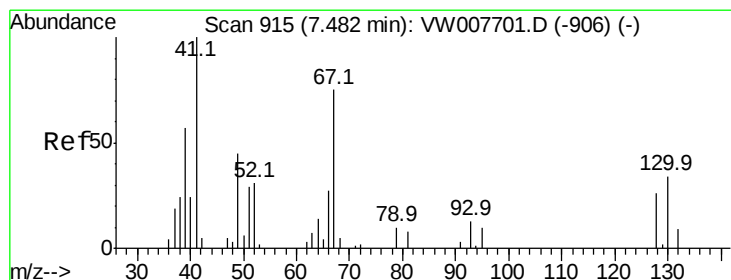
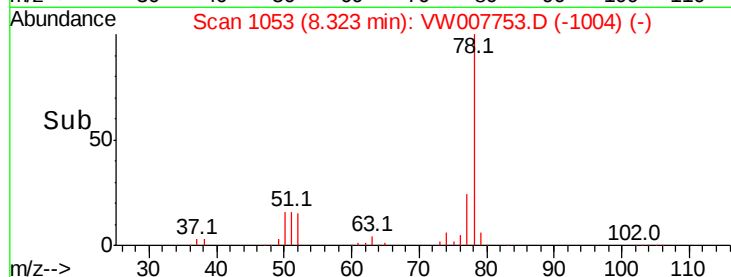
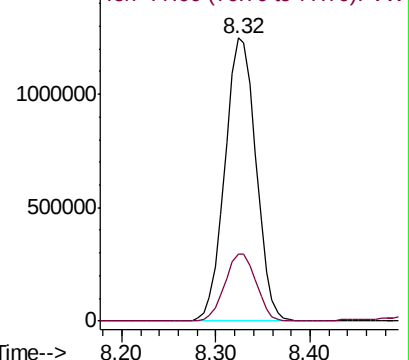
78 100

77 23.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#41

Methacrylonitrile

Concen: 109.430 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Tgt Ion: 41 Resp: 26393

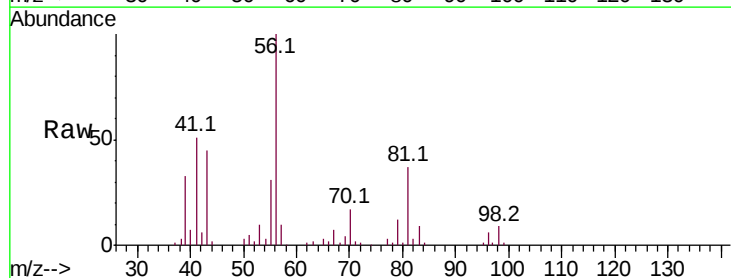
Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

67 0.0 65.7 98.5#

52 6.3 26.2 39.4#

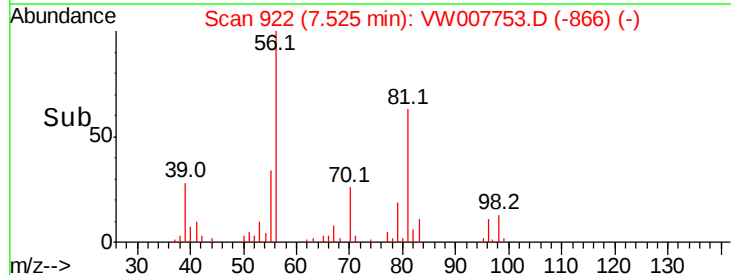
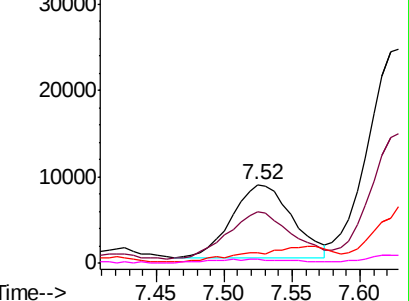


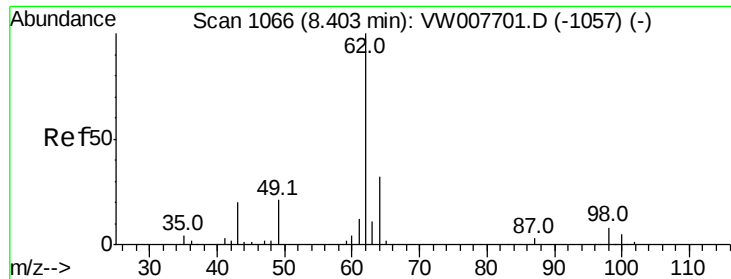
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#42

1,2-Dichloroethane

Concen: 25.440 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.08 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

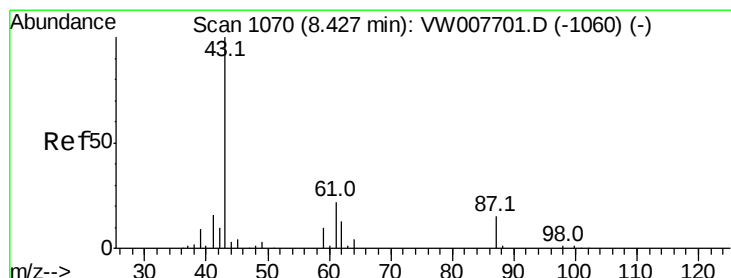
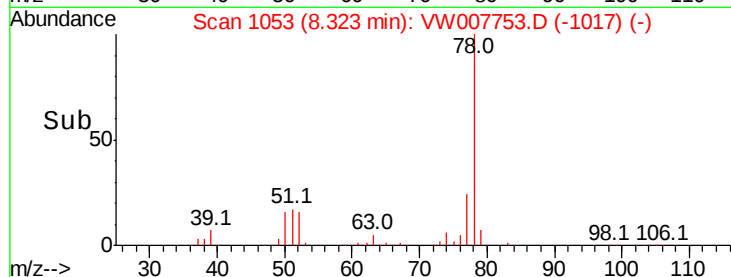
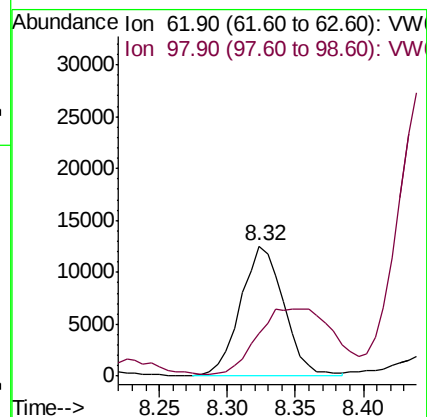
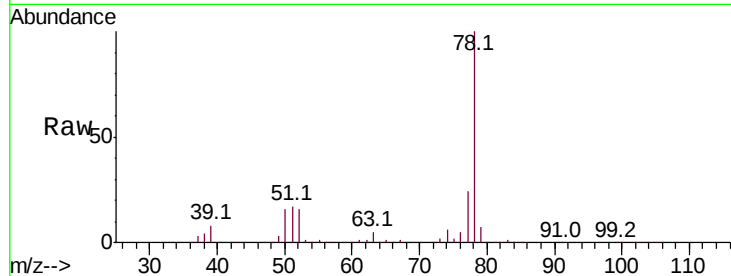
KY001SB104-121218-(24-26)

Tot Ion: 62 Resp: 28004

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 4149.600 ug/l

RT: 8.49 min Scan# 1081

Delta R.T. 0.07 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

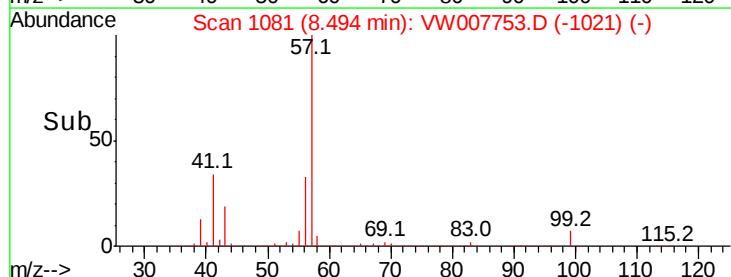
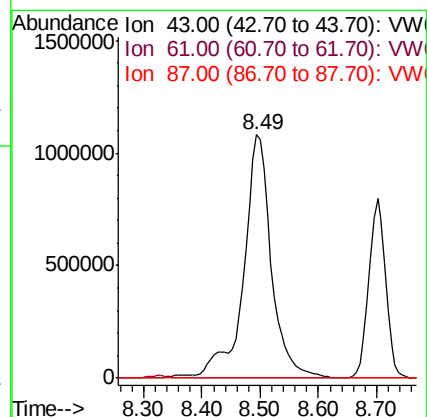
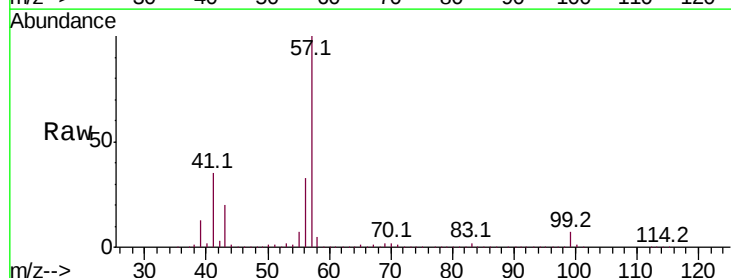
Tgt Ion: 43 Resp: 3531656

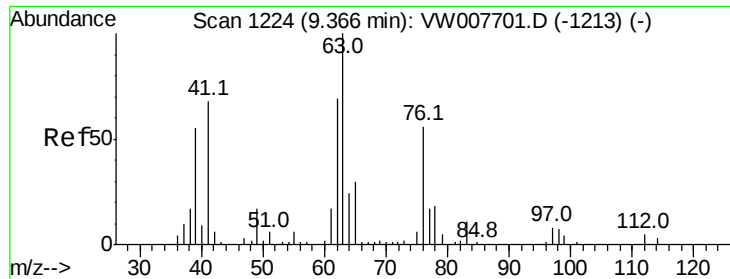
Ion Ratio Lower Upper

43 100

61 0.1 26.3 39.5#

87 0.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 43.602 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

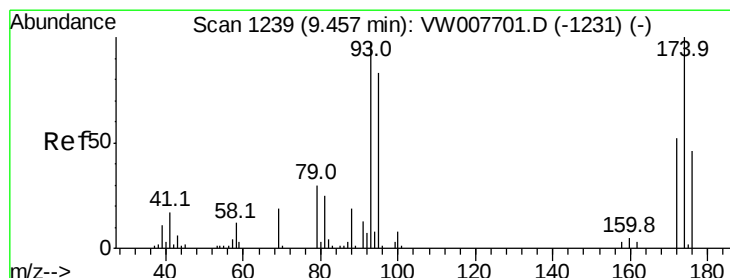
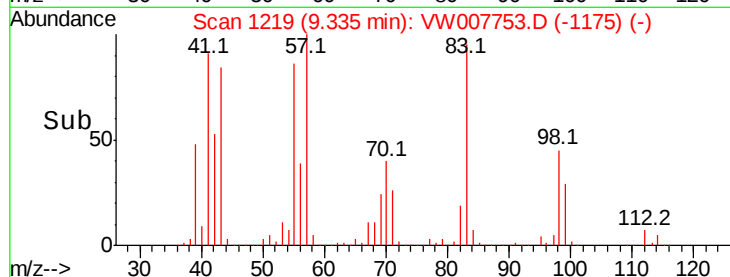
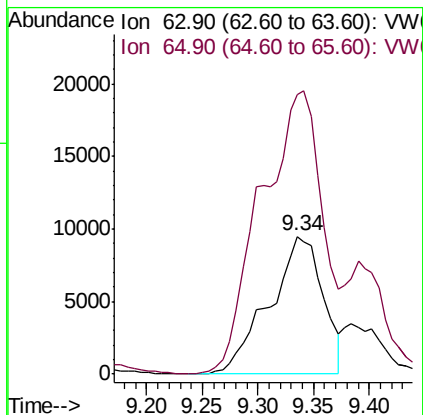
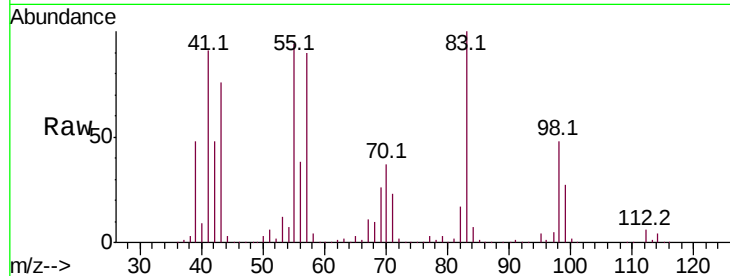
KY001SB104-121218-(24-26)

Tot Ion: 63 Resp: 31779

Ion Ratio Lower Upper

63 100

65 202.5 23.8 35.8#



#46

Dibromomethane

Concen: 11.254 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.04 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

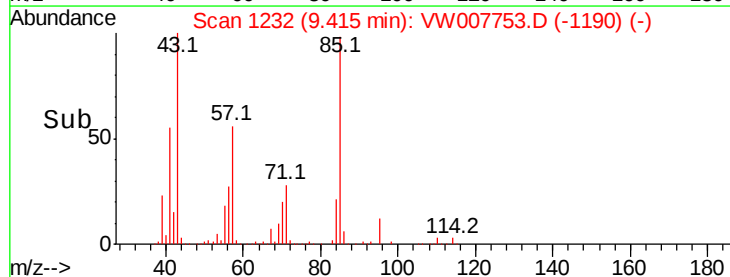
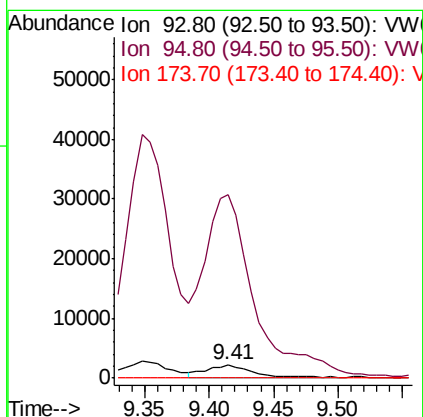
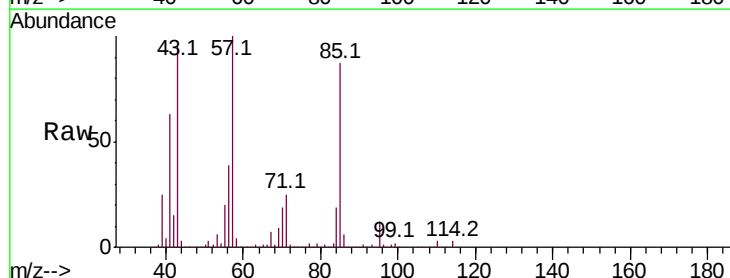
Tgt Ion: 93 Resp: 5049

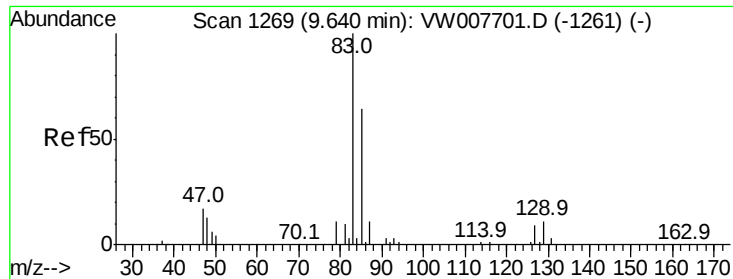
Ion Ratio Lower Upper

93 100

95 1650.5 67.5 101.3#

174 0.0 83.9 125.9#





#47

Bromodichloromethane

Concen: 120.641 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

KY001SB104-121218-(24-26)

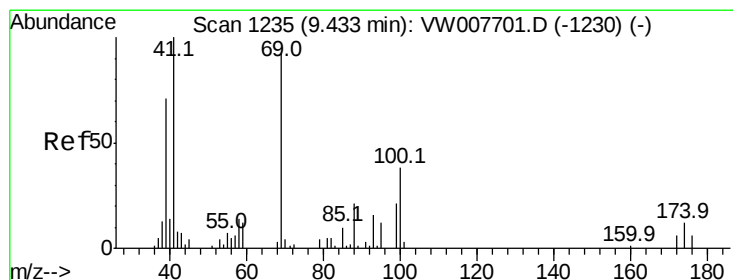
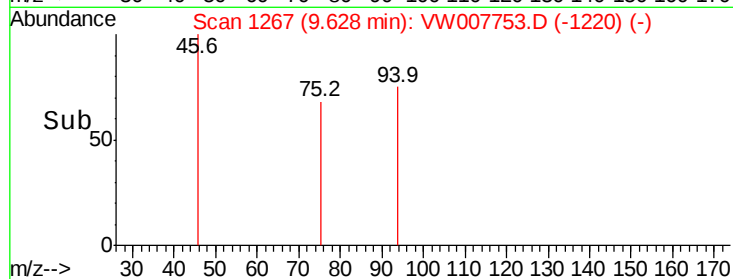
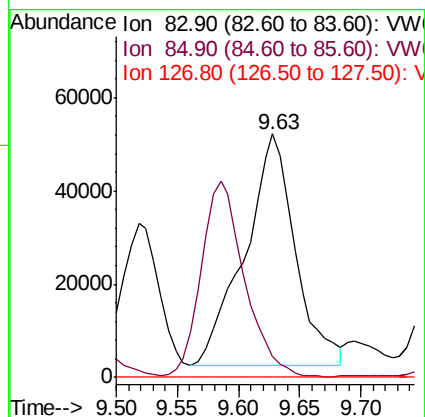
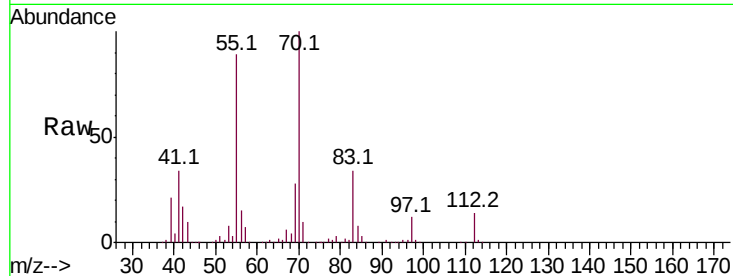
Tot Ion: 83 Resp: 142294

Ion Ratio Lower Upper

83 100

85 8.3 51.4 77.0#

127 0.0 7.5 11.3#



#48

Methyl methacrylate

Concen: 375.266 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.04 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

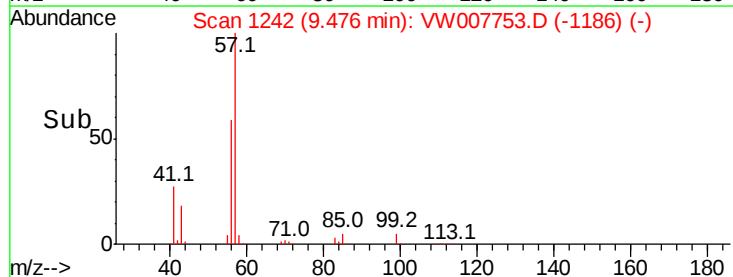
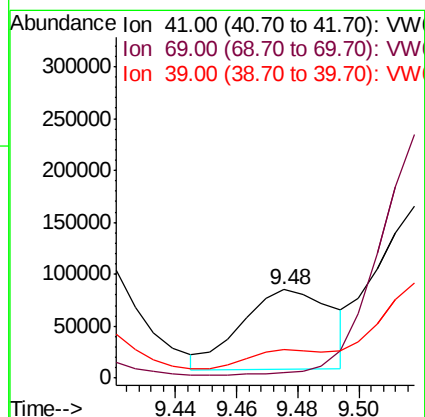
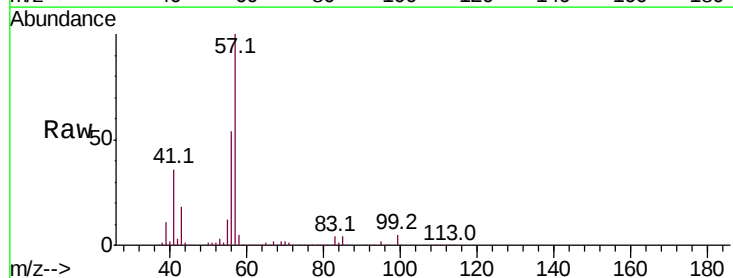
Tgt Ion: 41 Resp: 159421

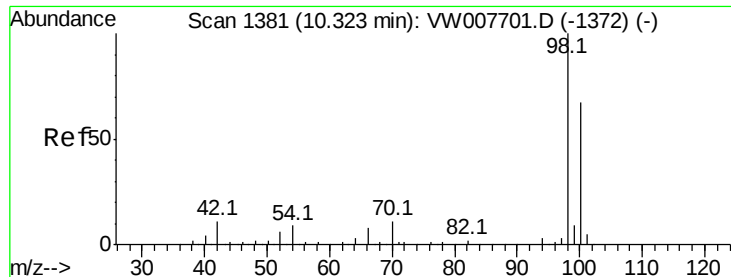
Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

39 23.6 53.9 80.9#





#50

Toluene-d8

Concen: 93.534 ug/l

RT: 10.34 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

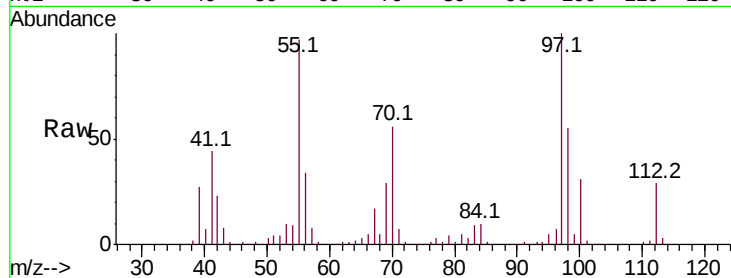
KY001SB104-121218-(24-26)

Tot Ion: 98 Resp: 274336

Ion Ratio Lower Upper

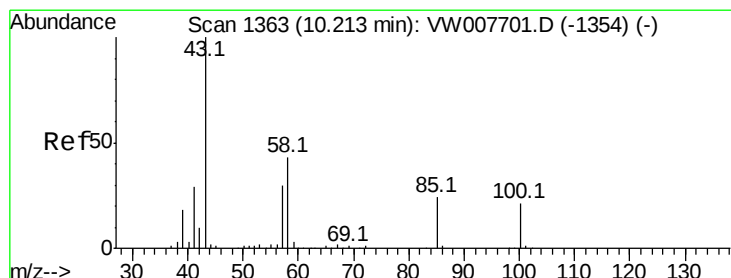
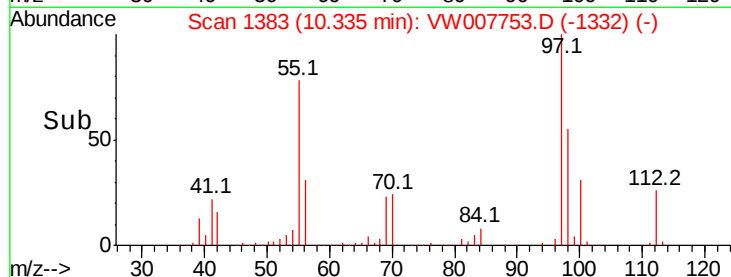
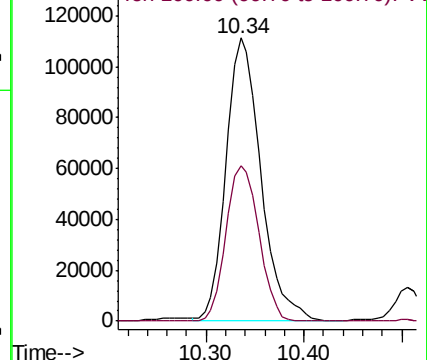
98 100

100 52.2 52.2 78.2#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 543.436 ug/l

RT: 10.29 min Scan# 1375

Delta R.T. 0.07 min

Lab File: VW007753.D

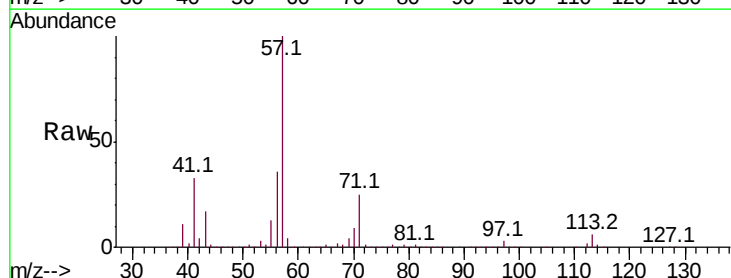
Acq: 20 Dec 2018 17:58

Tgt Ion: 43 Resp: 218581

Ion Ratio Lower Upper

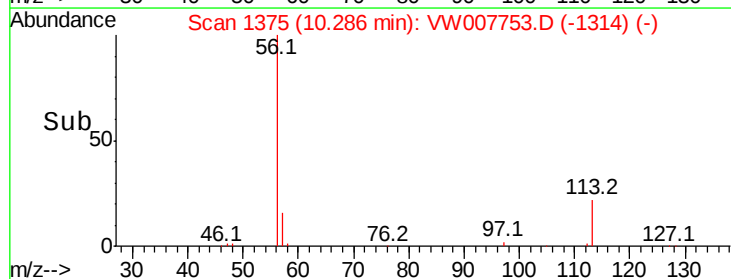
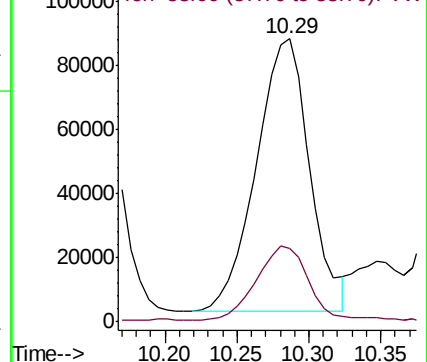
43 100

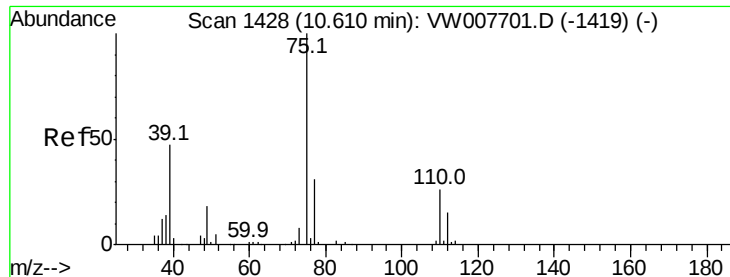
58 26.4 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#53

t-1,3-Dichloropropene

Concen: 323.675 ug/l

RT: 10.41 min Scan# 1396

Delta R.T. -0.20 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

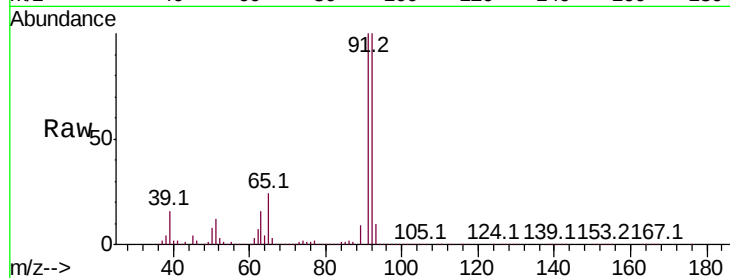
KY001SB104-121218-(24-26)

Tot Ion: 75 Resp: 379732

Ion Ratio Lower Upper

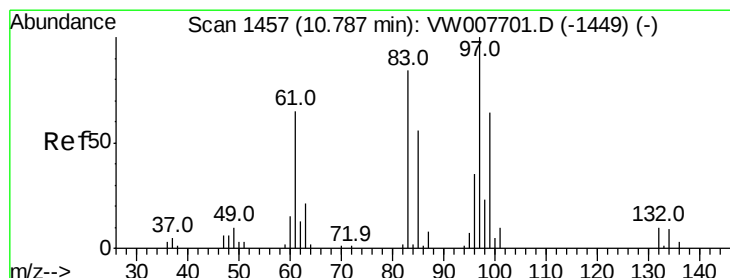
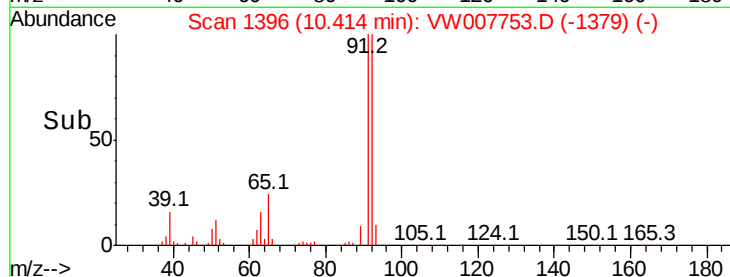
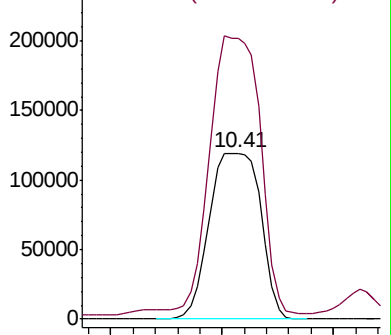
75 100

77 165.9 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#55

1,1,2-Trichloroethane

Concen: 649.410 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Tgt Ion: 97 Resp: 401667

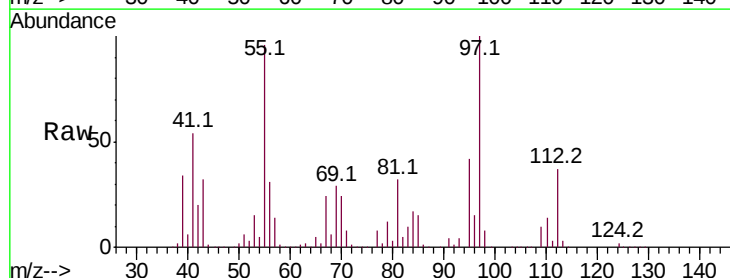
Ion Ratio Lower Upper

97 100

83 8.9 67.5 101.3#

85 15.2 44.8 67.2#

99 0.3 51.0 76.4#

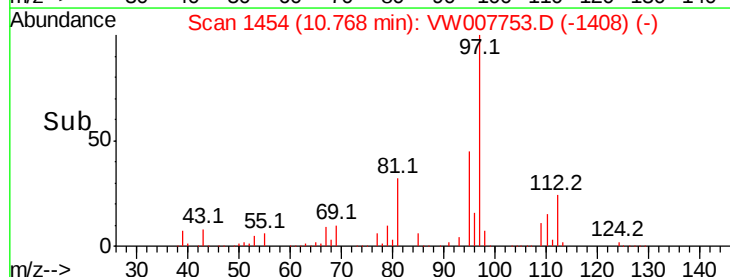
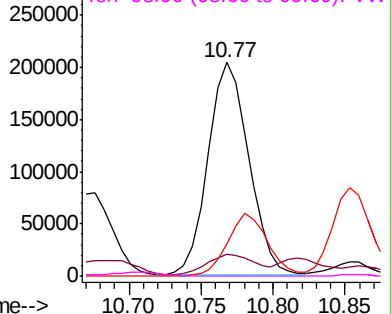


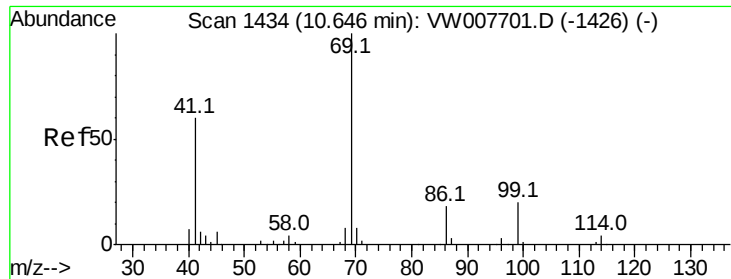
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

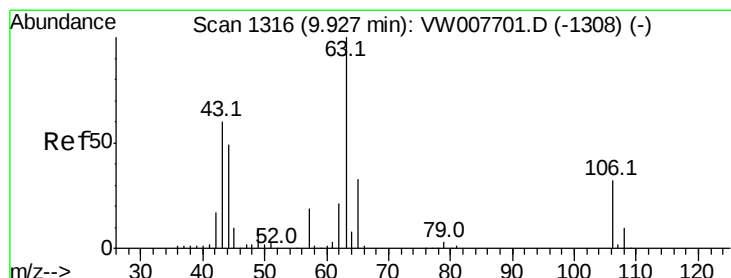
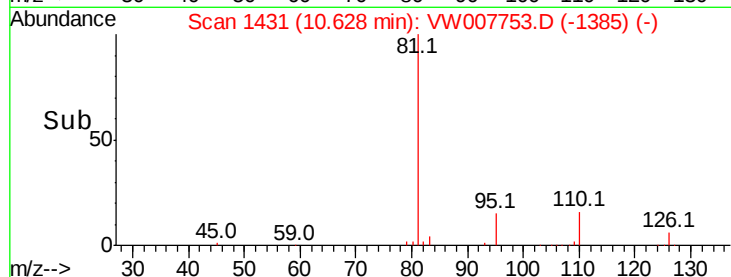
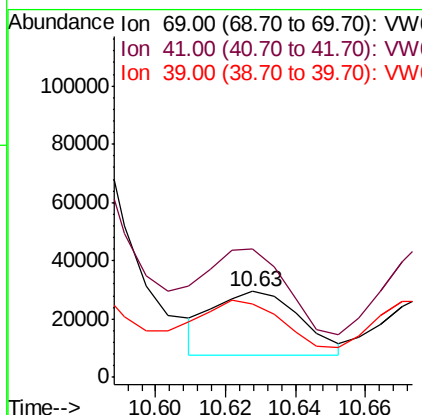
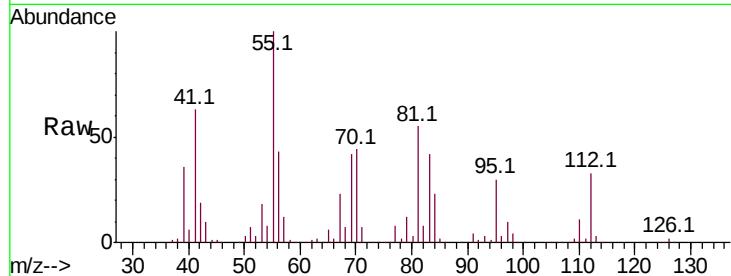




#56
Ethyl methacrylate
Concen: 52.091 ug/l
RT: 10.63 min Scan# 1431
Delta R.T. -0.02 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

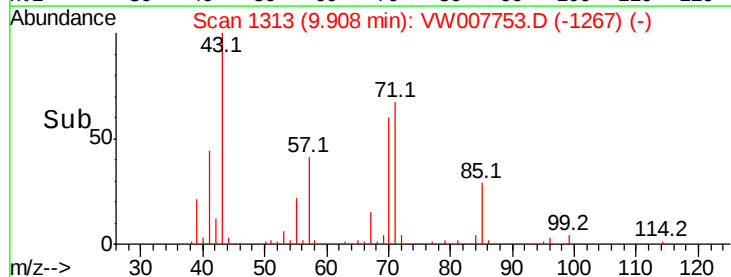
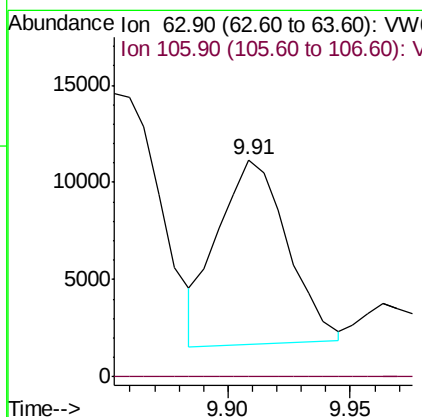
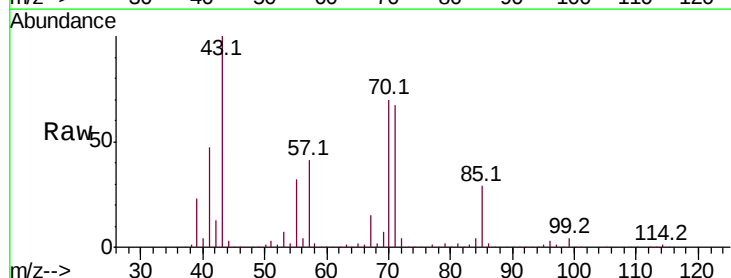
Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

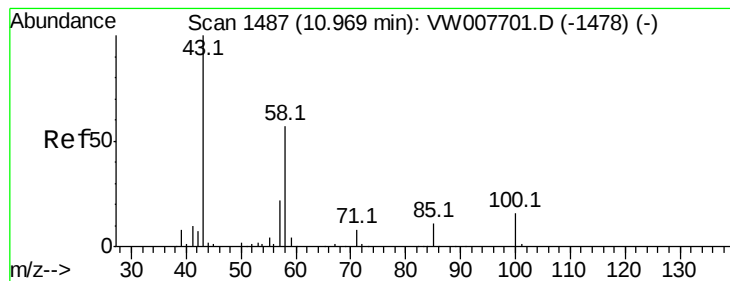
Tot Ion: 69 Resp: 38067
Ion Ratio Lower Upper
69 100
41 113.2 48.9 73.3#
39 0.0 31.3 46.9#



#58
2-Chloroethyl Vinyl ether
Concen: 55.981 ug/l
RT: 9.91 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Tgt Ion: 63 Resp: 18678
Ion Ratio Lower Upper
63 100
106 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 835.114 ug/l

RT: 10.94 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

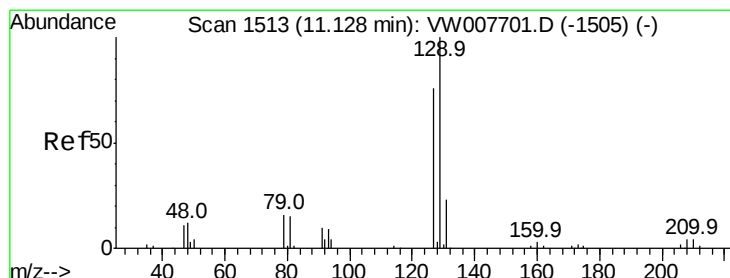
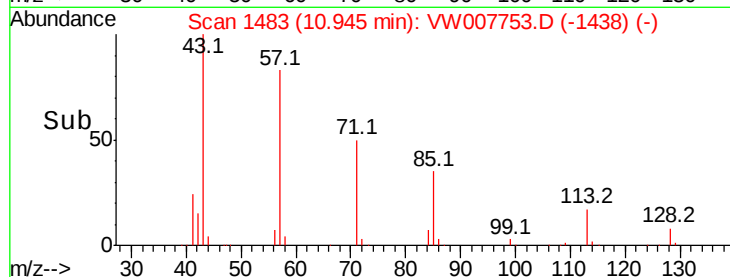
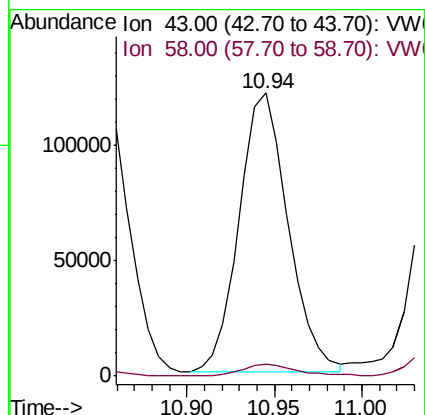
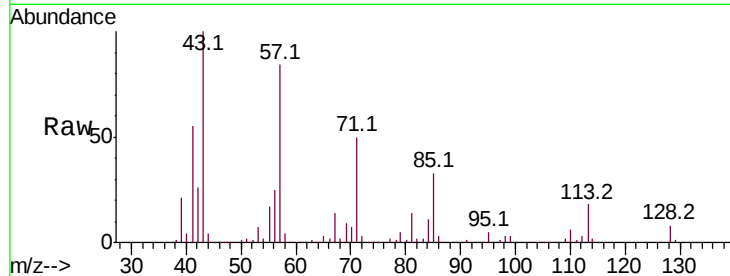
KY001SB104-121218-(24-26)

Tot Ion: 43 Resp: 236228

Ion Ratio Lower Upper

43 100

58 4.6 27.7 83.1#



#60

Dibromochloromethane

Concen: 2.225 ug/l

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW007753.D

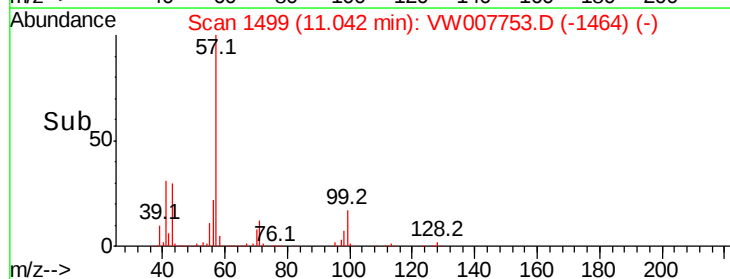
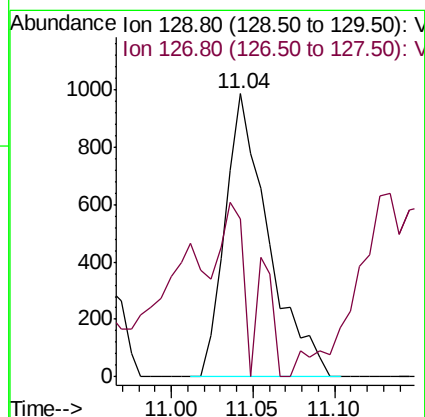
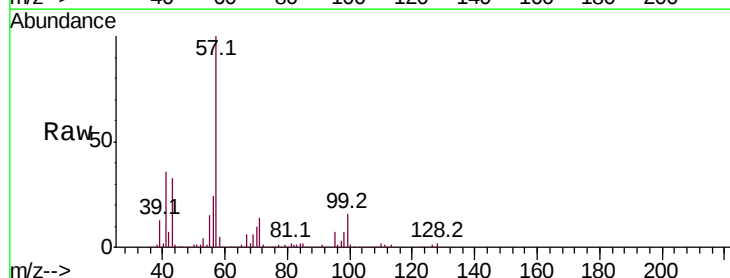
Acq: 20 Dec 2018 17:58

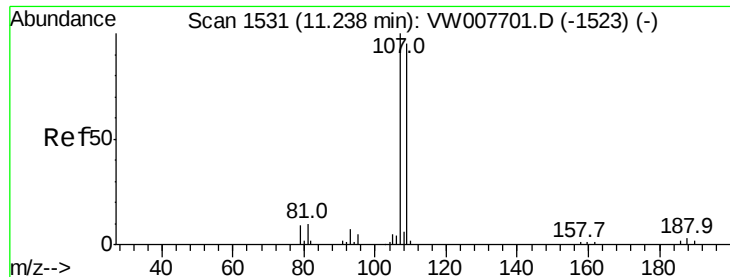
Tgt Ion: 129 Resp: 1822

Ion Ratio Lower Upper

129 100

127 32.2 38.3 114.9#





#61

1,2-Dibromoethane

Concen: 3.107 ug/l

RT: 11.21 min Scan# 1527

Delta R.T. -0.02 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

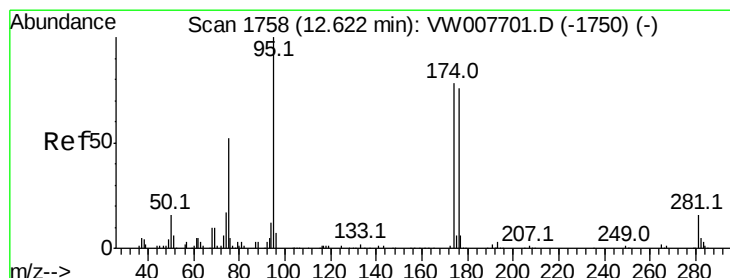
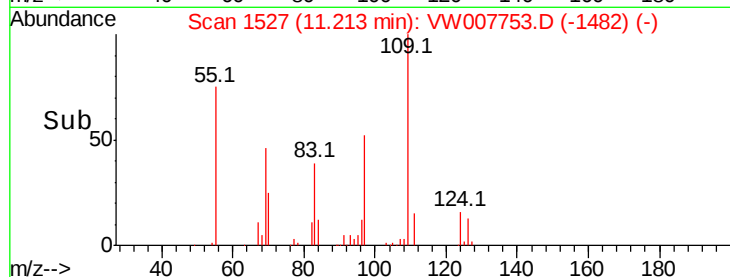
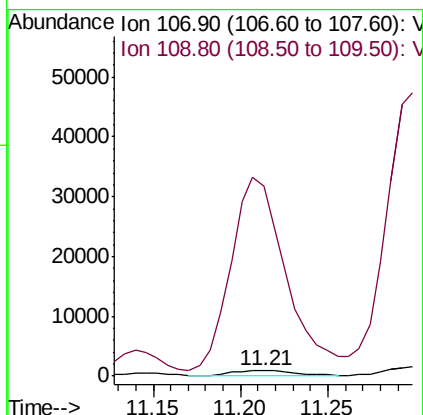
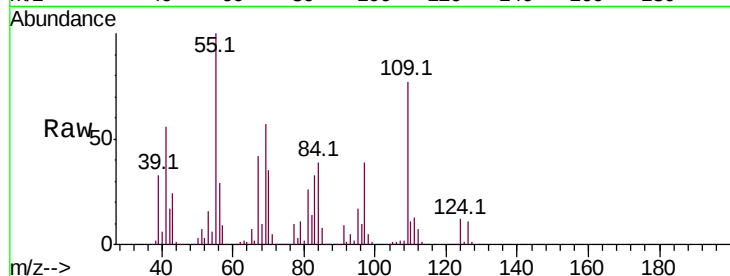
KY001SB104-121218-(24-26)

Tot Ion:107 Resp: 1946

Ion Ratio Lower Upper

107 100

109 3632.7 75.4 113.0#



#62

4-Bromofluorobenzene

Concen: 94.777 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

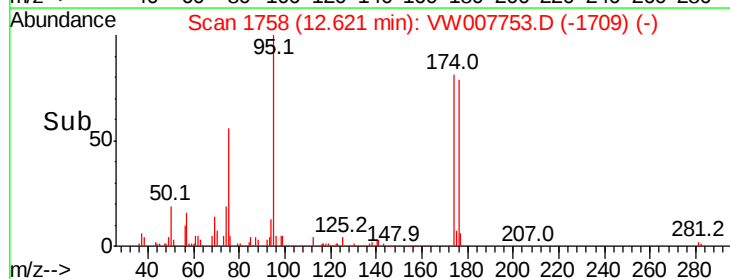
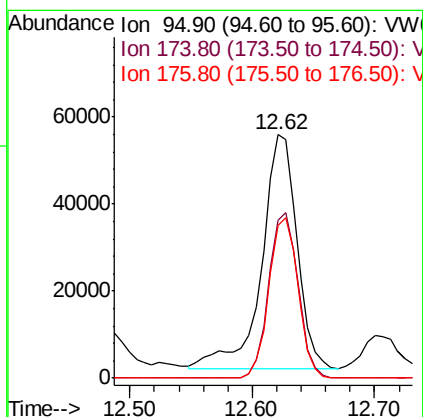
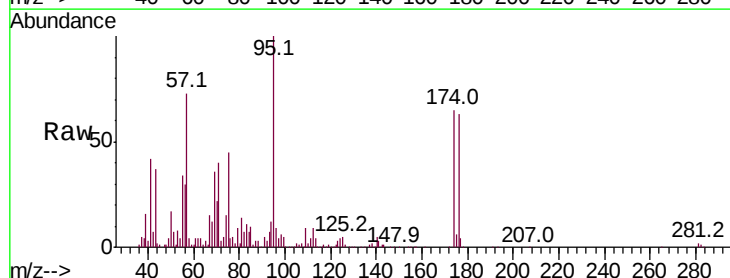
Tgt Ion: 95 Resp: 107390

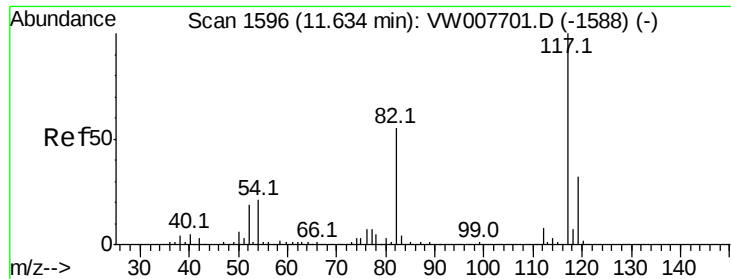
Ion Ratio Lower Upper

95 100

174 59.0 0.0 152.2

176 56.6 0.0 146.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

KY001SB104-121218-(24-26)

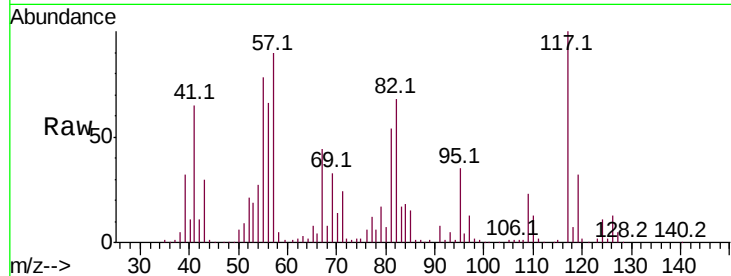
Tot Ion:117 Resp: 112267

Ion Ratio Lower Upper

117 100

82 56.0 44.3 66.5

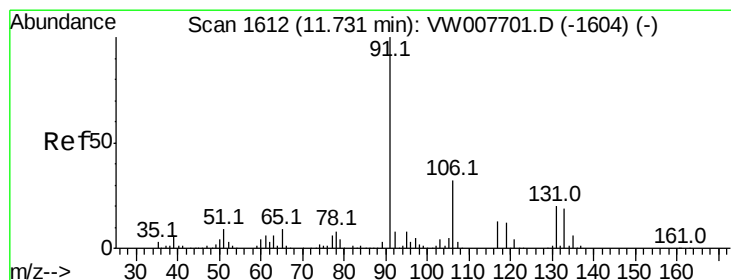
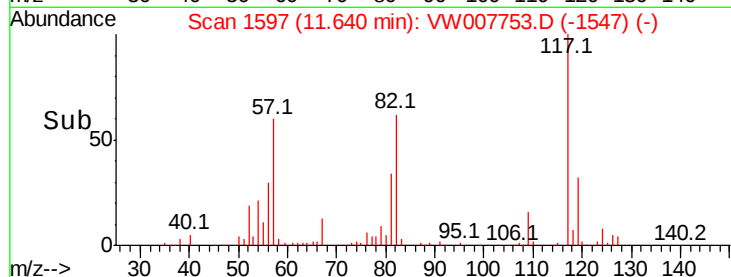
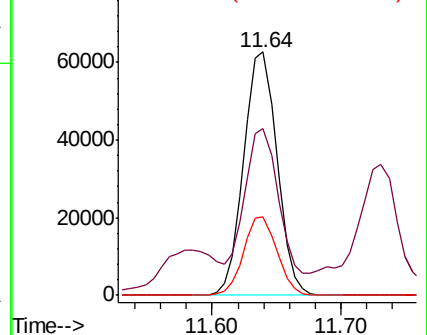
119 32.2 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 4403.449 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW007753.D

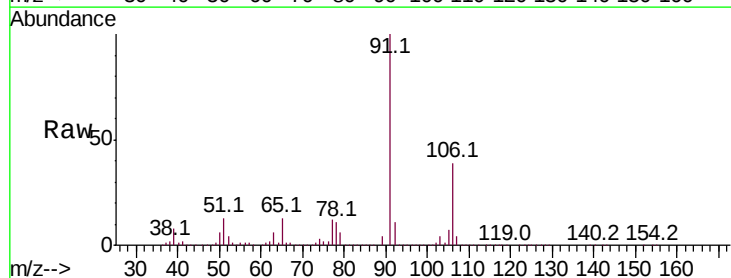
Acq: 20 Dec 2018 17:58

Tgt Ion: 91 Resp:18361331

Ion Ratio Lower Upper

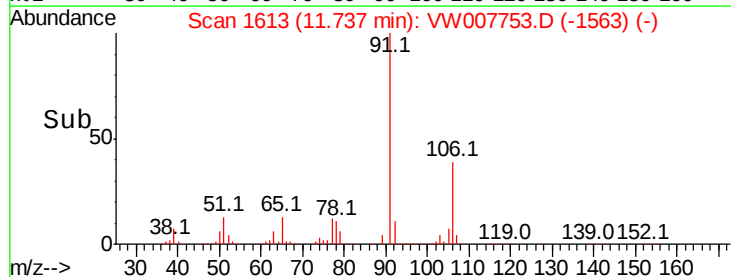
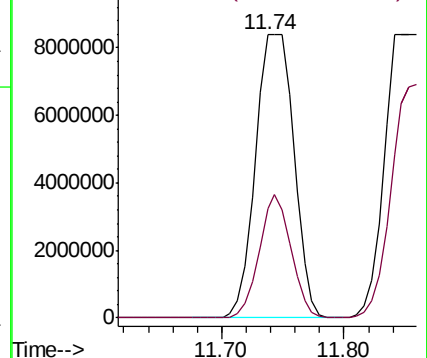
91 100

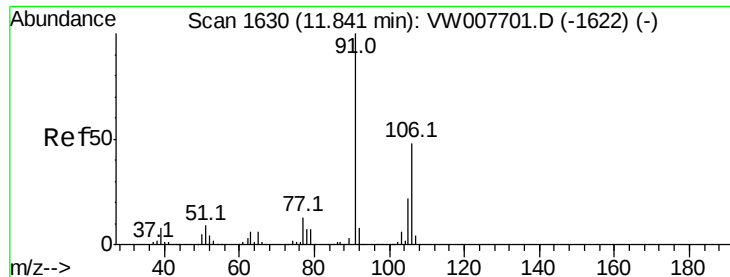
106 38.8 25.8 38.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 12593.741 ug/l

RT: 11.86 min Scan# 1633

Delta R.T. 0.02 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

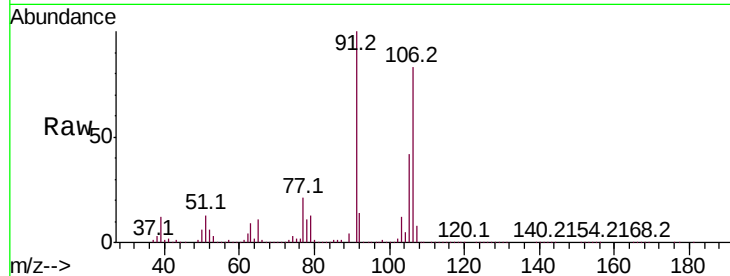
KY001SB104-121218-(24-26)

Tot Ion:106 Resp:20370516

Ion Ratio Lower Upper

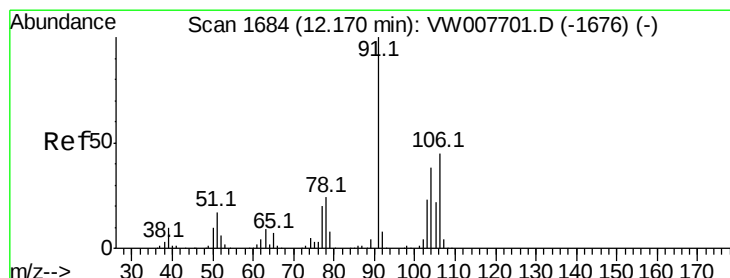
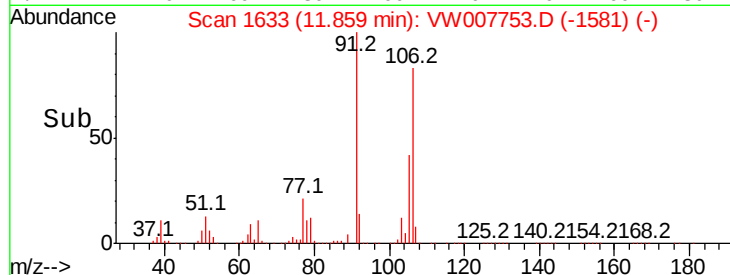
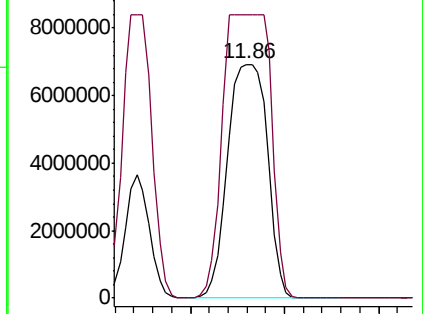
106 100

91 0.0 165.2 247.8#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 7444.707 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW007753.D

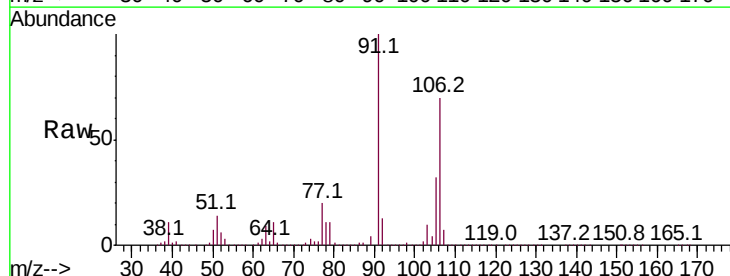
Acq: 20 Dec 2018 17:58

Tgt Ion:106 Resp:11287734

Ion Ratio Lower Upper

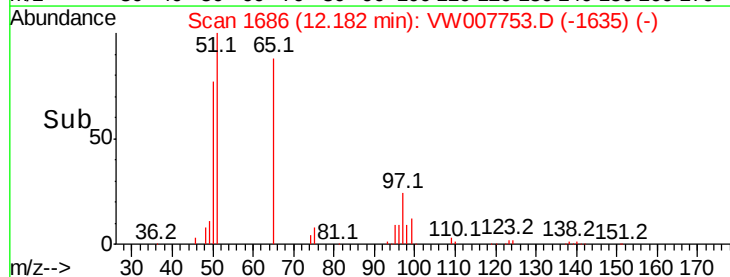
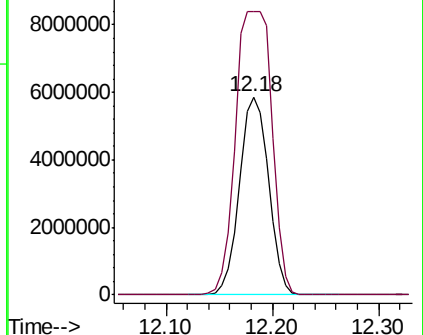
106 100

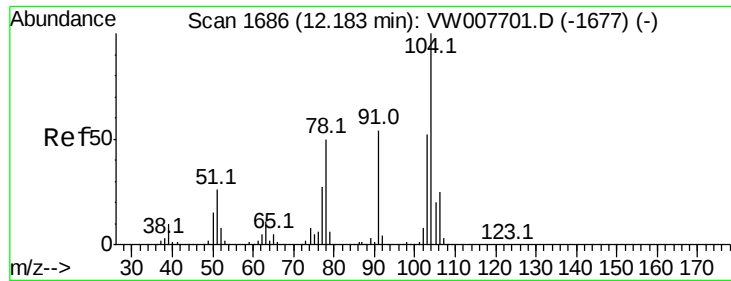
91 178.8 110.5 331.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

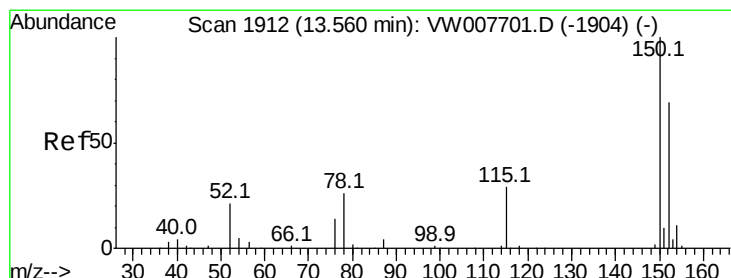
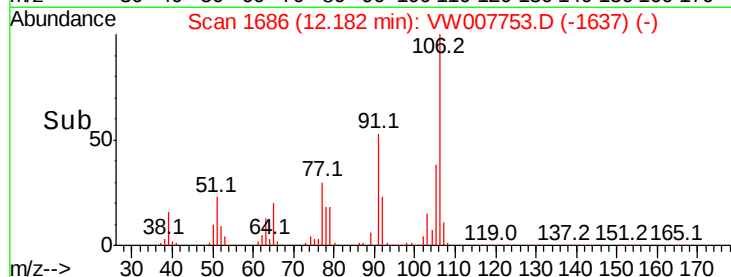
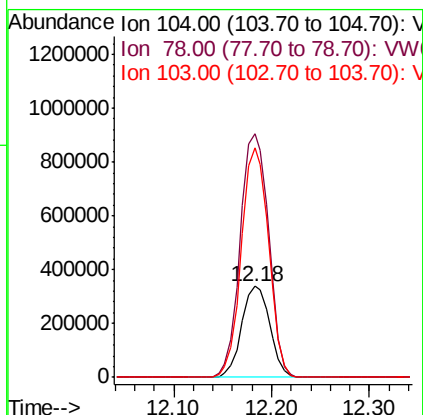
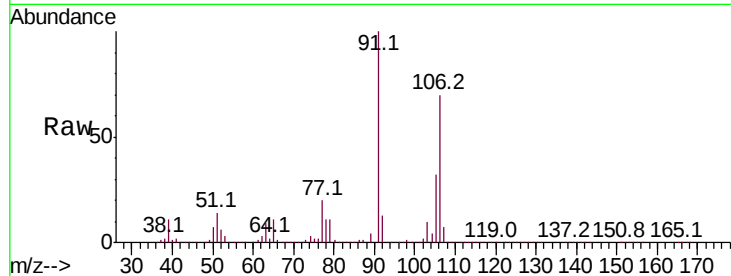




#70
Stvrene
Concen: 270.110 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

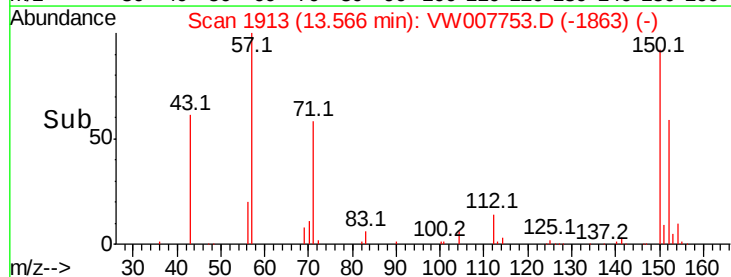
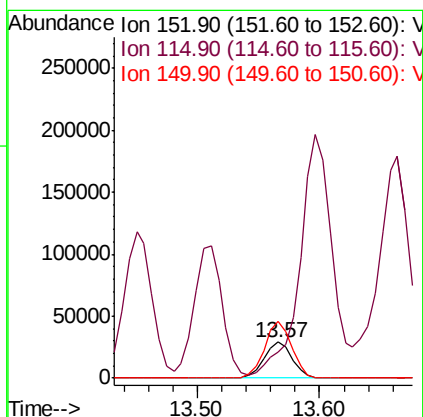
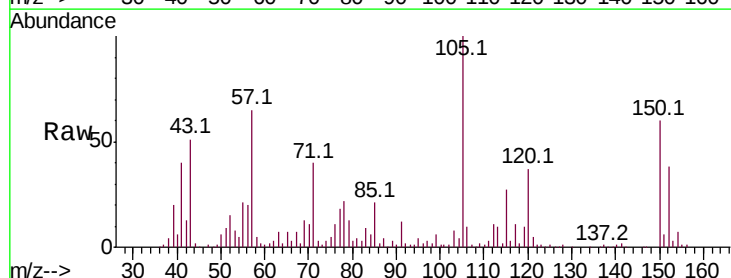
Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

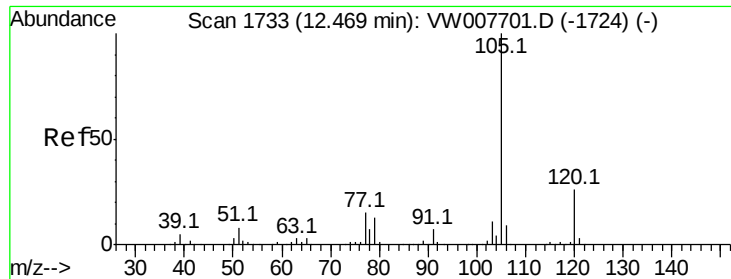
Tot Ion	Ratio	Lower	Upper
104	100		
78	270.7	43.4	65.0#
103	244.8	44.5	66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	31.8	95.4#
150	151.3	0.0	350.8

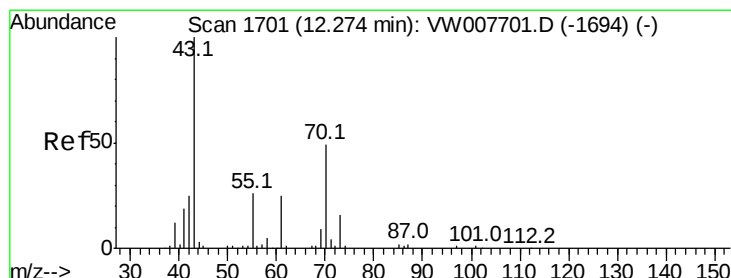
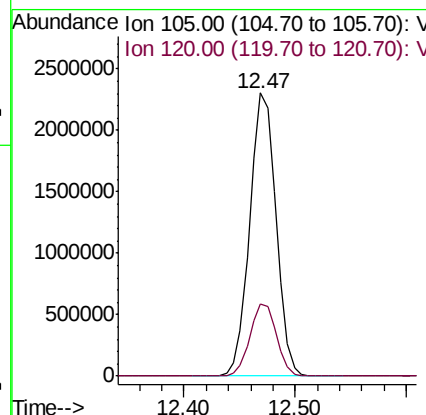
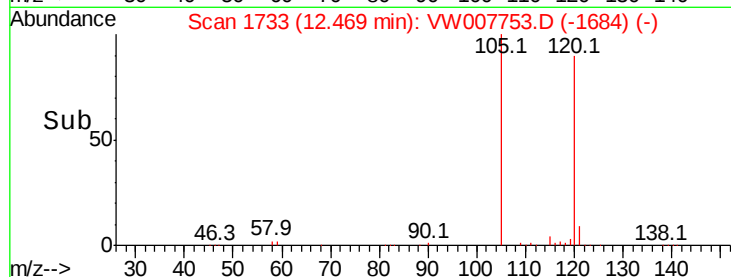
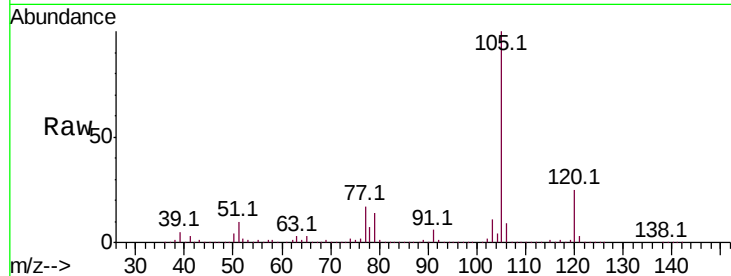




#73
Isopropylbenzene
Concen: 1077.326 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

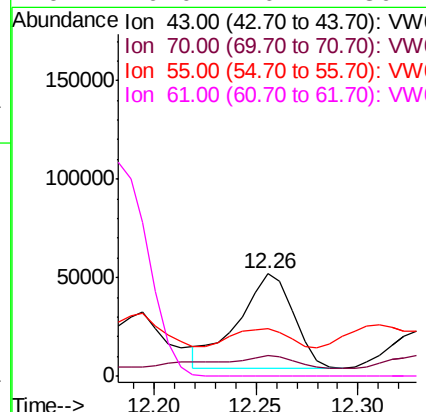
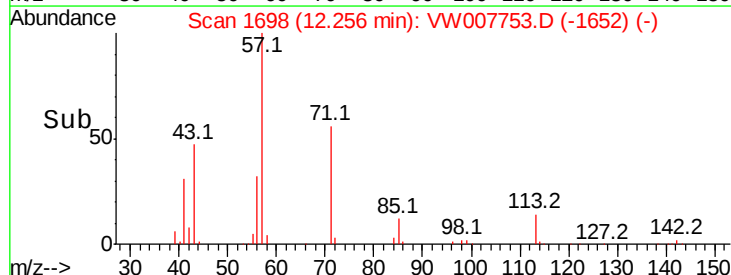
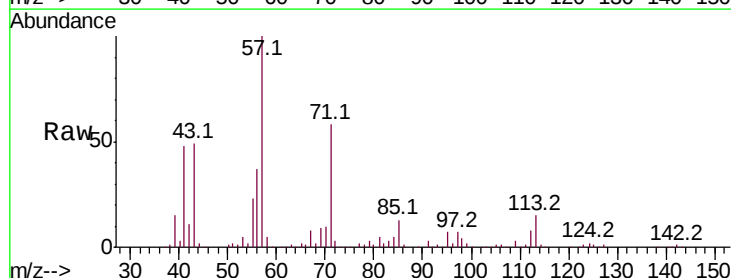
Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

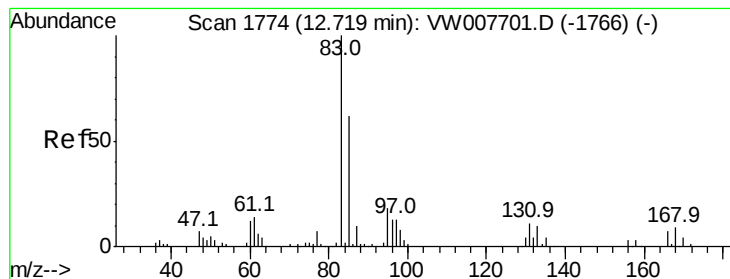
Tot Ion:105 Resp: 3783496
Ion Ratio Lower Upper
105 100
120 25.8 13.1 39.3



#74
N-ethyl acetate
Concen: 147.614 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Tgt Ion: 43 Resp: 89796
Ion Ratio Lower Upper
43 100
70 21.1 37.6 56.4#
55 19.1 21.7 32.5#
61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 6.860 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

KY001SB104-121218-(24-26)

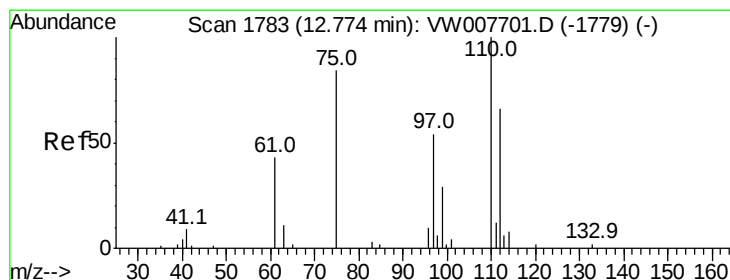
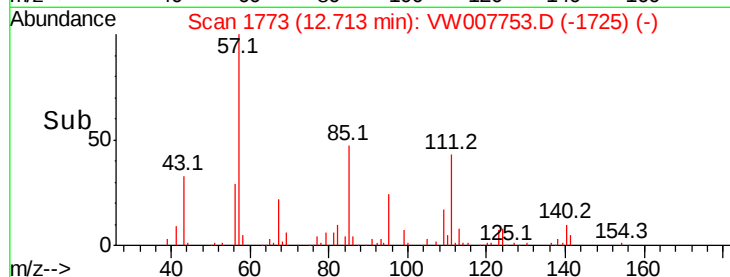
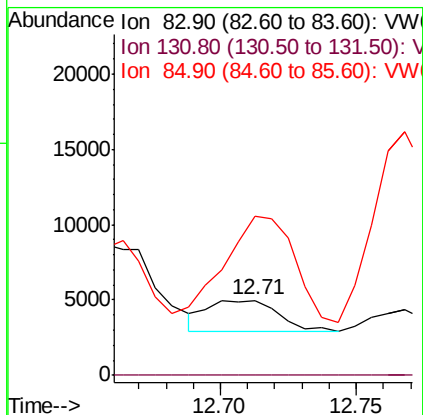
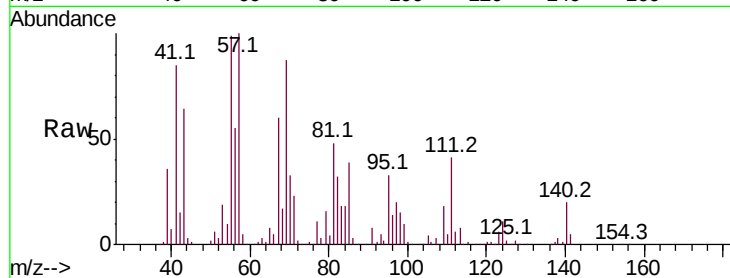
Tot Ion: 83 Resp: 3612

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

85 443.8 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 128.655 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW007753.D

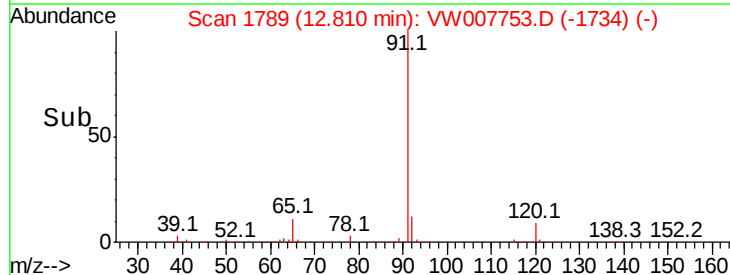
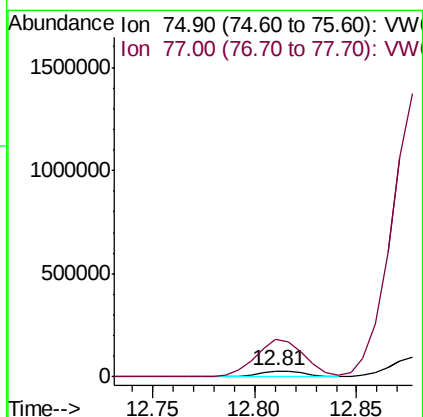
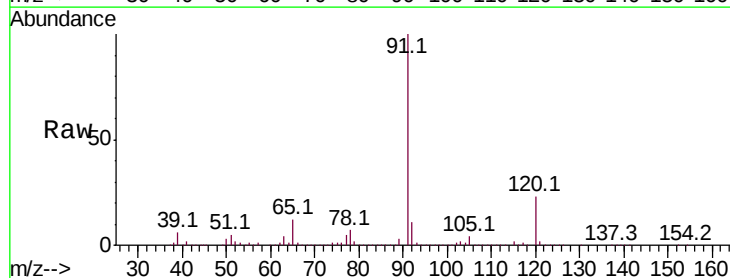
Acq: 20 Dec 2018 17:58

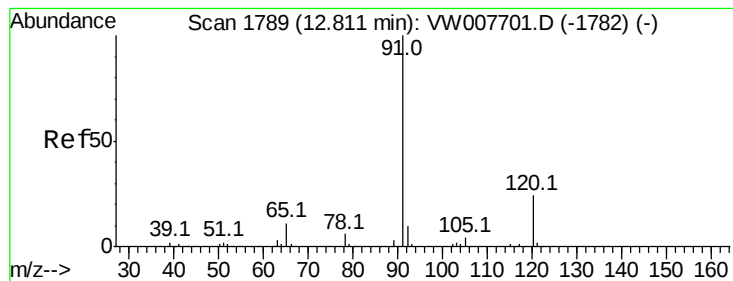
Tgt Ion: 75 Resp: 46200

Ion Ratio Lower Upper

75 100

77 636.8 0.0 0.0#





#78

n-propylbenzene

Concen: 1657.102 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

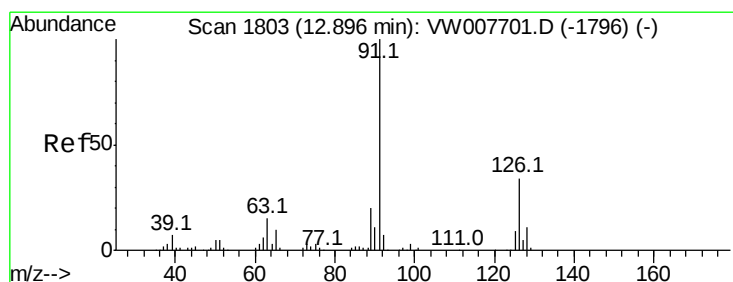
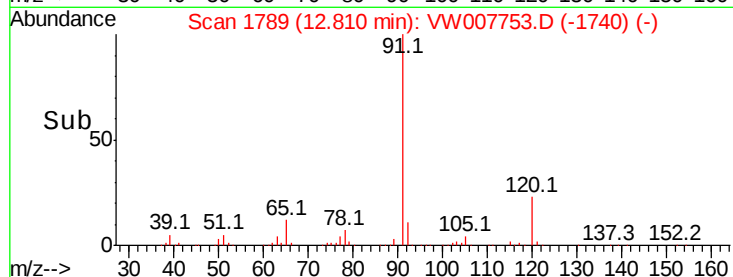
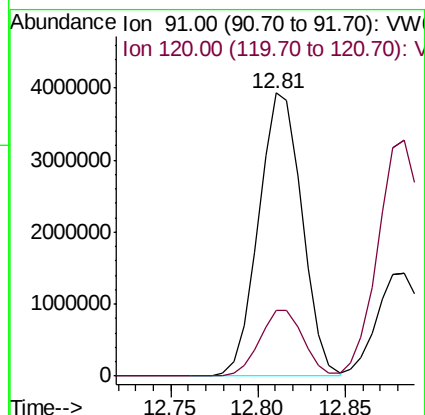
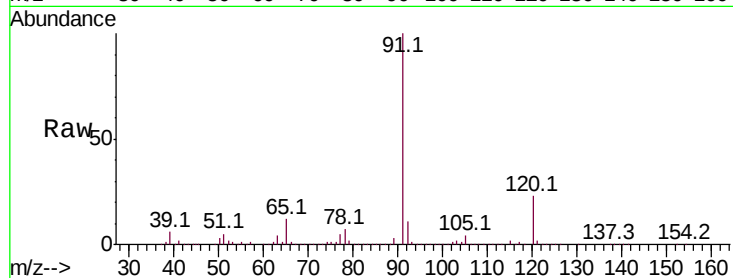
KY001SB104-121218-(24-26)

Tot Ion: 91 Resp: 6774425

Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.7



#79

2-Chlorotoluene

Concen: 1065.157 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VW007753.D

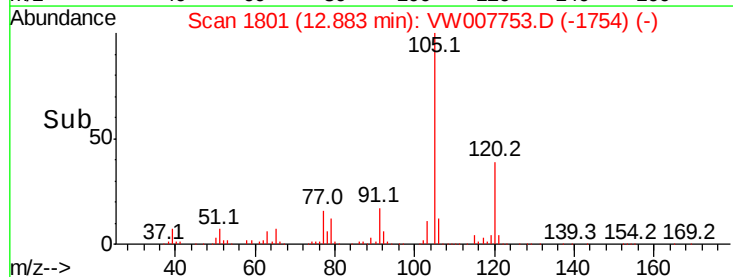
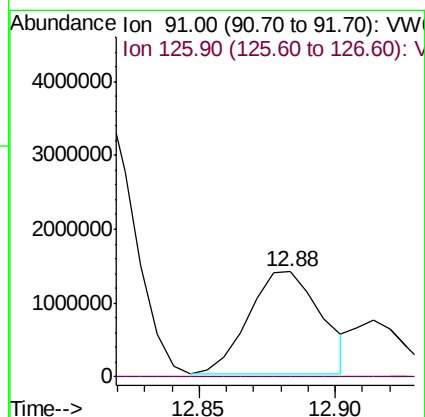
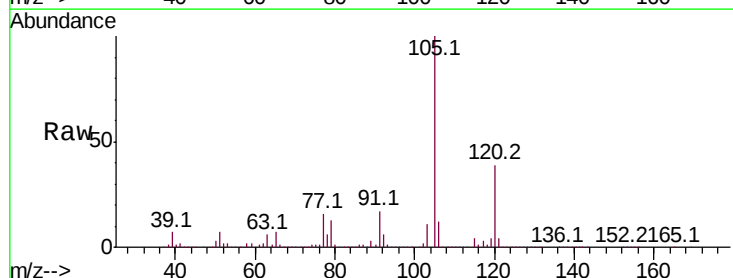
Acq: 20 Dec 2018 17:58

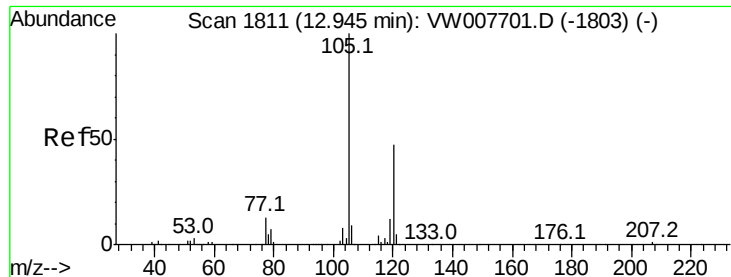
Tgt Ion: 91 Resp: 2536698

Ion Ratio Lower Upper

91 100

126 0.2 17.0 51.0#





#80

1,3,5-Trimethylbenzene

Concen: 2529.608 ug/l

RT: 12.96 min Scan# 1813

Delta R.T. 0.01 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

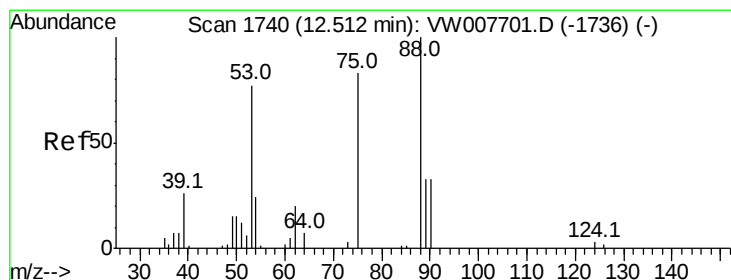
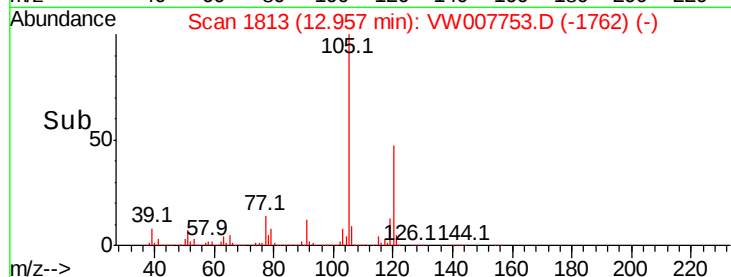
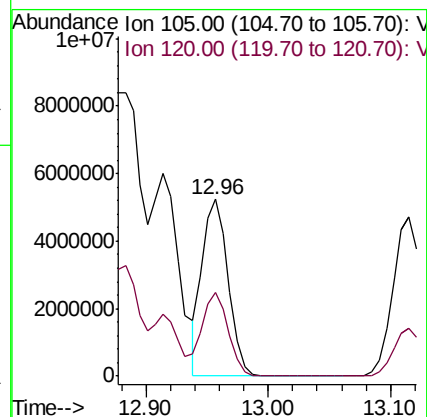
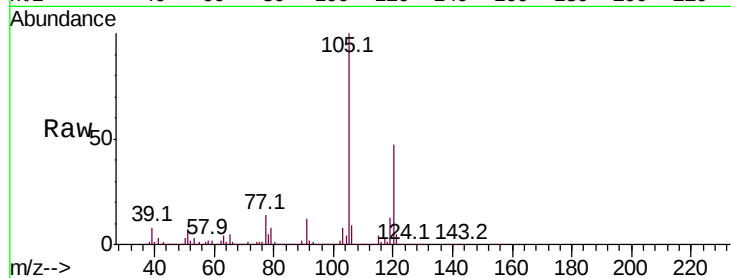
KY001SB104-121218-(24-26)

Tot Ion:105 Resp: 7662931

Ion Ratio Lower Upper

105 100

120 49.8 23.6 70.8



#81

trans-1,4-Dichloro-2-butene

Concen: 280.198 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.04 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

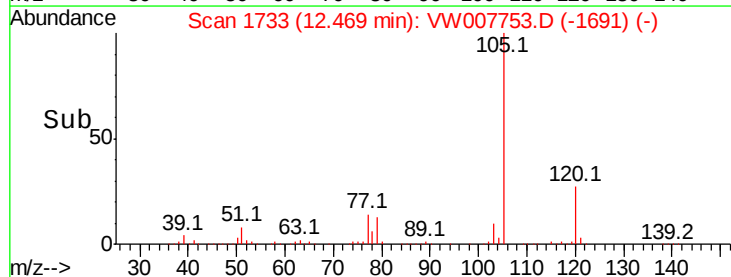
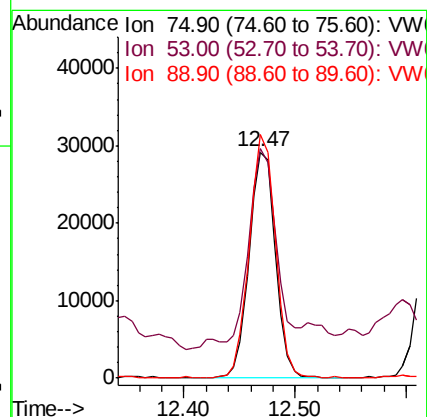
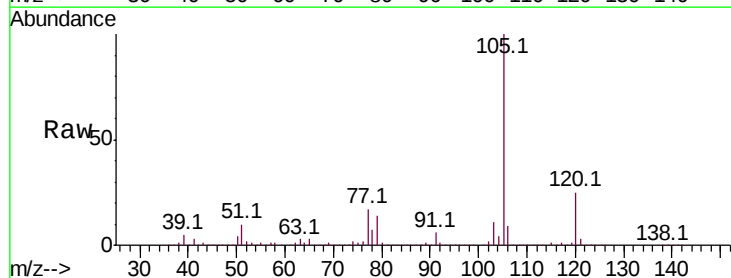
Tgt Ion: 75 Resp: 47935

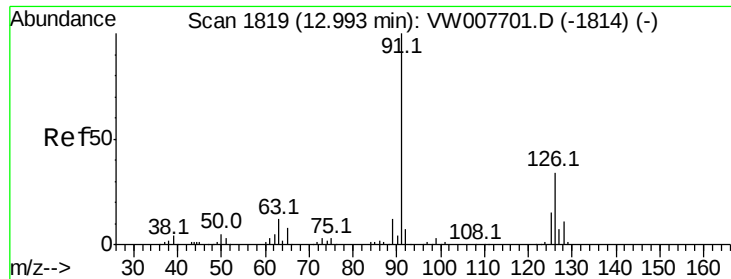
Ion Ratio Lower Upper

75 100

53 87.0 80.2 120.2

89 106.5 39.2 58.8#

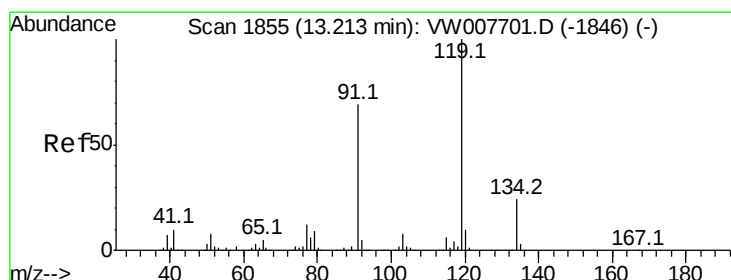
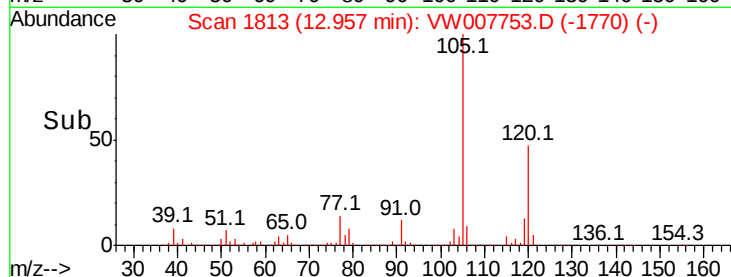
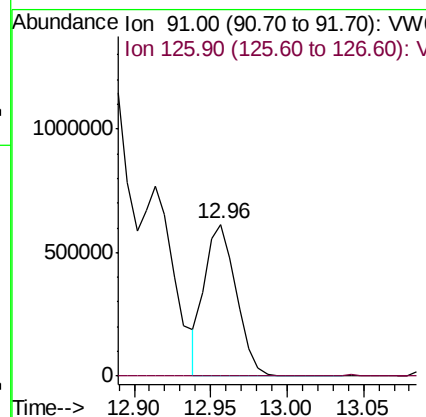
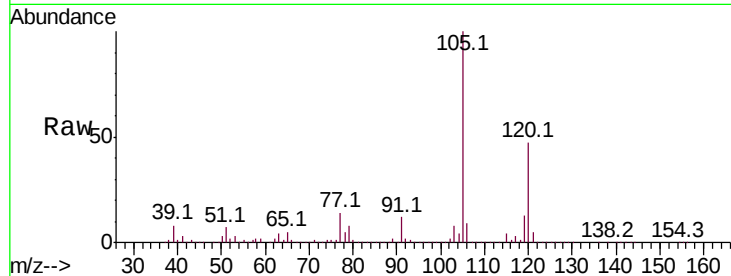




#82
4-Chlorotoluene
Concen: 345.026 ug/l
RT: 12.96 min Scan# 1813
Delta R.T. -0.04 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

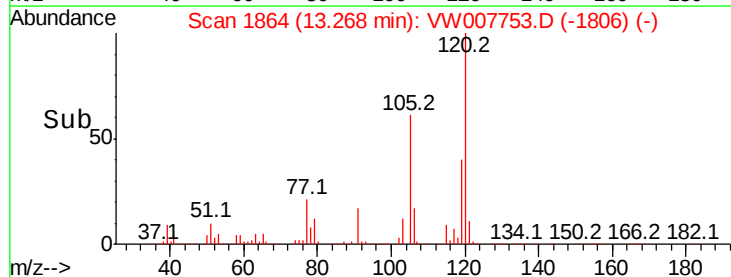
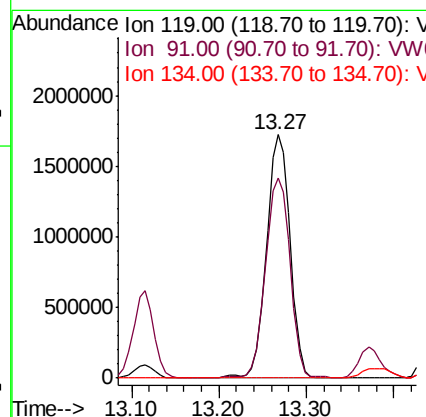
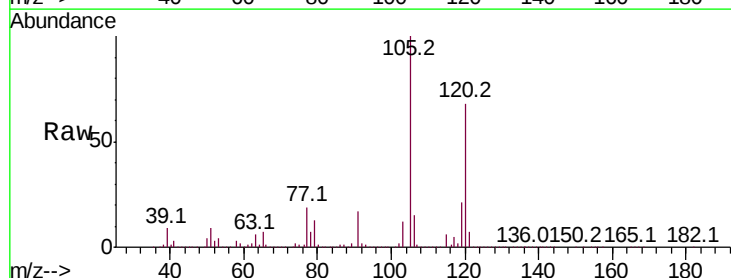
Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

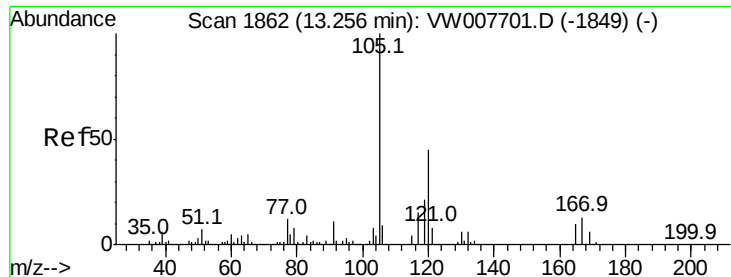
Tot Ion: 91 Resp: 874904
Ion Ratio Lower Upper
91 100
126 0.1 16.5 49.5#



#83
tert-Butylbenzene
Concen: 1213.872 ug/l
RT: 13.27 min Scan# 1864
Delta R.T. 0.05 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Tgt Ion: 119 Resp: 3226439
Ion Ratio Lower Upper
119 100
91 86.2 34.2 102.5
134 0.0 12.8 38.4#



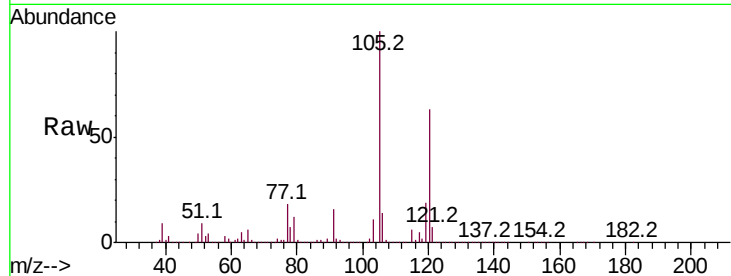


#84

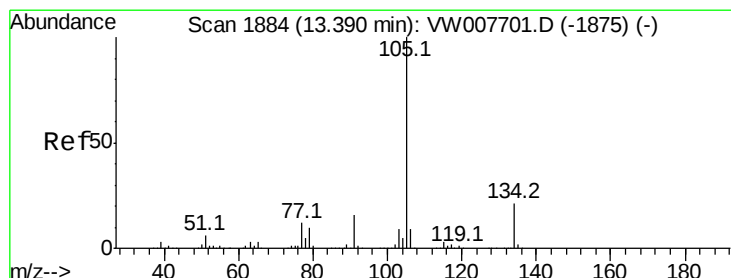
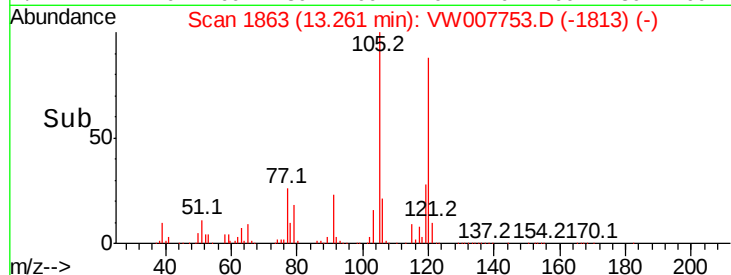
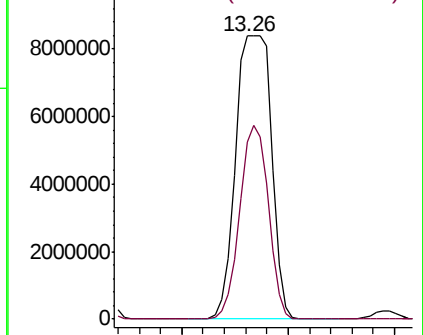
1,2,4-Trimethylbenzene
Concen: 6484.933 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

Tot Ion:105 Resp:19822677
Ion Ratio Lower Upper
105 100
120 55.0 22.0 66.0



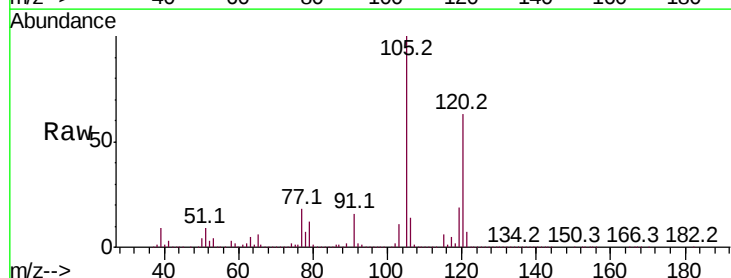
Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



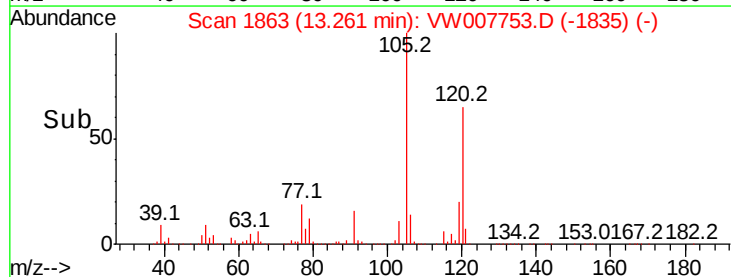
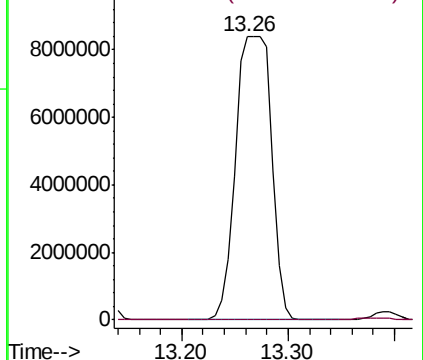
#85

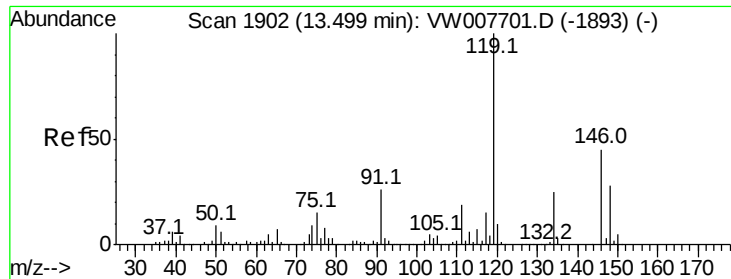
sec-Butylbenzene
Concen: 5411.347 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. -0.13 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Tgt Ion:105 Resp:19822677
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

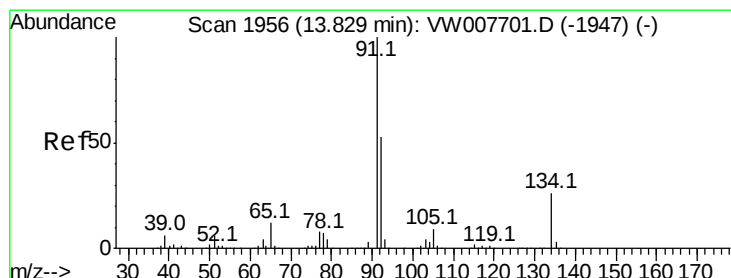
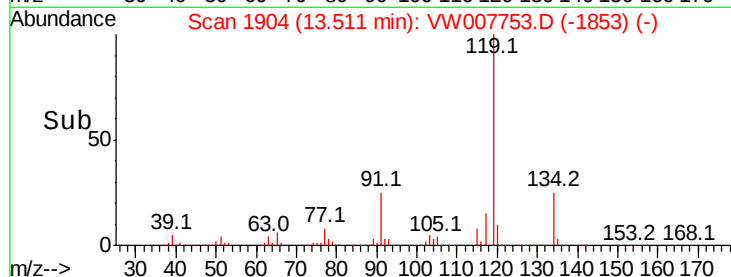
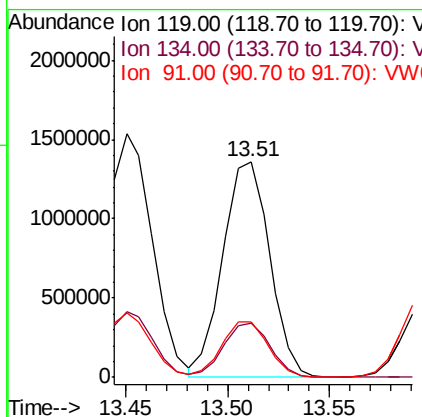
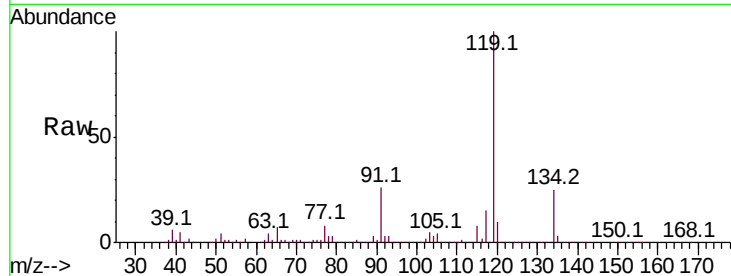




#86
 p-Isopropyltoluene
 Concen: 649.237 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW007753.D
 Acq: 20 Dec 2018 17:58

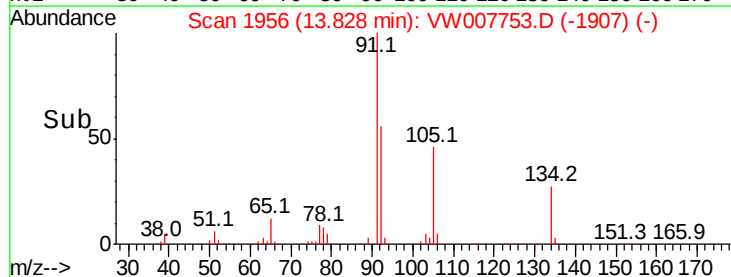
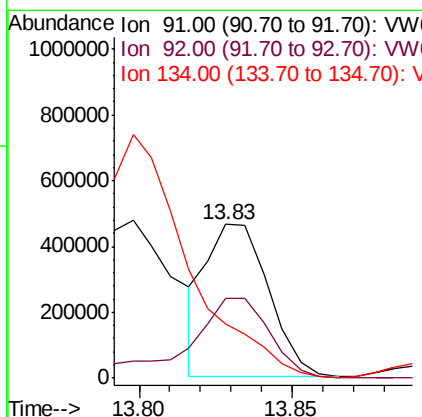
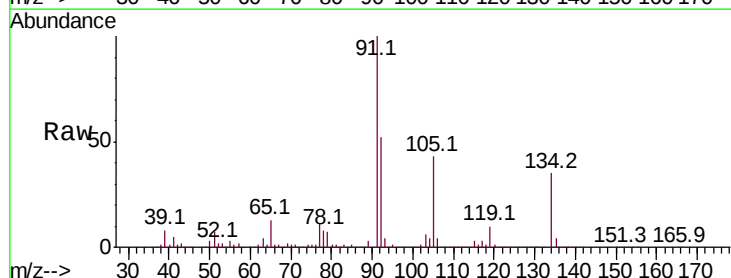
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB104-121218-(24-26)

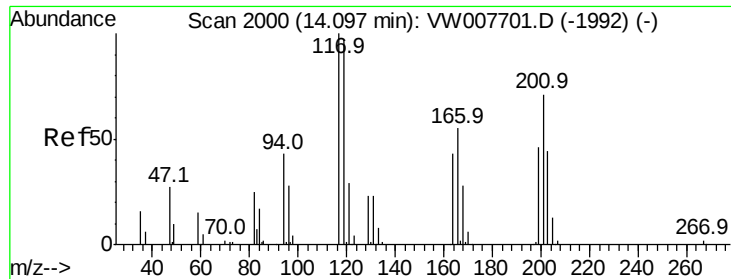
Tot Ion:119 Resp: 2162589
 Ion Ratio Lower Upper
 119 100
 134 25.1 13.0 39.0
 91 25.6 12.8 38.4



#89
 n-Butylbenzene
 Concen: 213.228 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW007753.D
 Acq: 20 Dec 2018 17:58

Tgt Ion: 91 Resp: 651218
 Ion Ratio Lower Upper
 91 100
 92 67.9 26.4 79.2
 134 0.0 13.7 41.0#





#90

Hexachloroethane

Concen: 599.740 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

Instrument :

MSVOA_W

ClientSampleId :

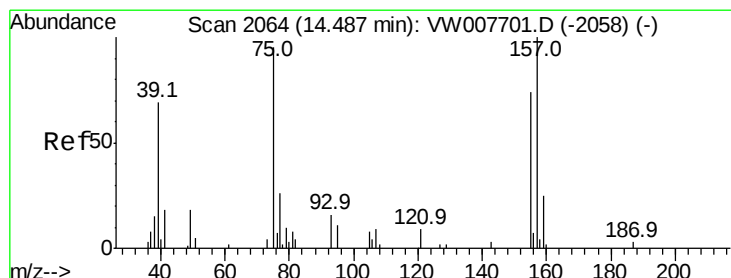
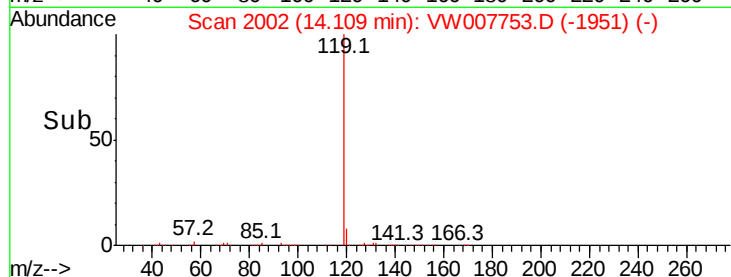
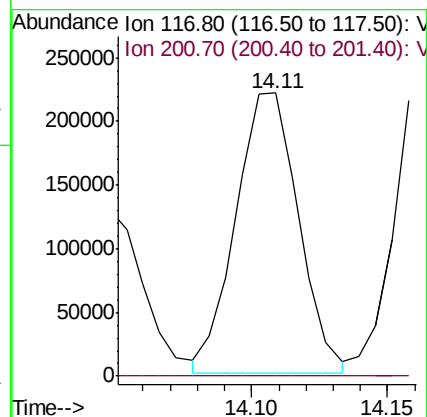
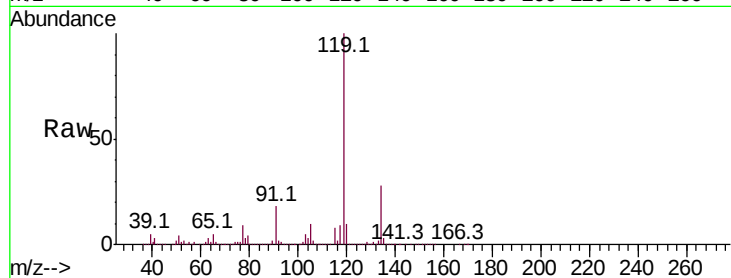
KY001SB104-121218-(24-26)

Tot Ion:117 Resp: 350721

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 25.061 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW007753.D

Acq: 20 Dec 2018 17:58

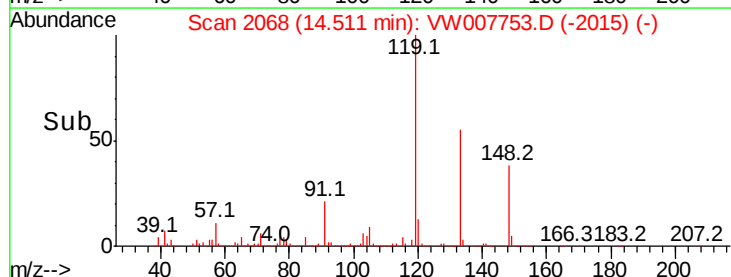
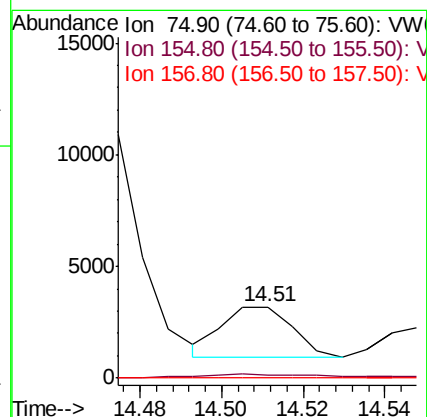
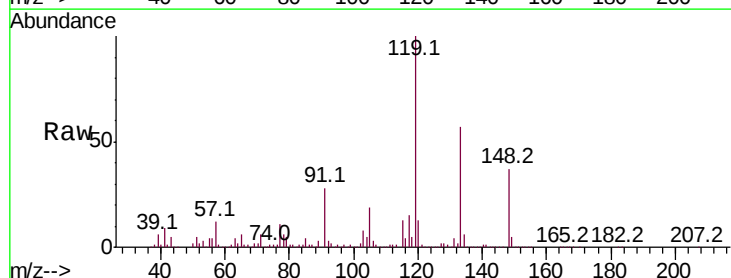
Tgt Ion: 75 Resp: 2710

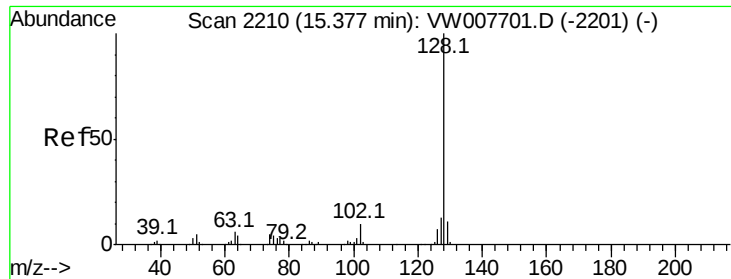
Ion Ratio Lower Upper

75 100

155 15.9 39.4 118.1#

157 0.0 52.0 156.0#





#95
Naphthalene
Concen: 2396.490 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007753.D
Acq: 20 Dec 2018 17:58

Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(24-26)

Tot Ion:128 Resp: 4400411
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.1 8.8 13.2

