

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007760.D
 Acq On : 20 Dec 2018 21:00
 Operator : SY/AP
 Sample : J6392-20
 Misc : 6.45G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

Quant Time: Dec 21 03:56:26 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	70444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	119460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	101868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	41876	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	33290	43.12	ug/l	0.00
Spiked Amount						
			Recovery	=	86.24%	
35) Dibromofluoromethane	7.88	113	31433	43.13	ug/l	0.00
Spiked Amount						
			Recovery	=	86.26%	
50) Toluene-d8	10.33	98	220678	80.32	ug/l	0.00
Spiked Amount						
			Recovery	=	160.64%	
62) 4-Bromofluorobenzene	12.62	95	88182	83.08	ug/l	0.00
Spiked Amount						
			Recovery	=	166.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1497	28.742	ug/l #	73
13) Acrolein	3.84	56	1283	30.809	ug/l #	1
14) Allyl chloride	4.76	41	3658	4.014	ug/l #	69
15) Acrylonitrile	5.43	53	37748	283.491	ug/l #	39
16) Acetone	4.12	43	40780	282.053	ug/l #	71
17) Carbon Disulfide	4.37	76	3252	1.512	ug/l #	83
19) Methyl tert-butyl Ether	5.43	73	12171	12.198	ug/l #	1
20) Methylene Chloride	4.91	84	7486	4.632	ug/l #	1
23) Vinyl Acetate	6.29	43	5843	5.763	ug/l #	79
24) 1,1-Dichloroethane	6.28	63	2316	1.845	ug/l #	81
25) 2-Butanone	7.17	43	44286	261.508	ug/l #	51
26) 2,2-Dichloropropane	6.98	77	8614	9.376	ug/l #	53
29) Tetrahydrofuran	7.52	42	1847	18.285	ug/l #	27
30) Chloroform	7.63	83	103744	73.018	ug/l #	18
31) Cyclohexane	7.93	56	1272701	1107.314	ug/l #	48
37) Ethyl Acetate	7.17	43	44286	111.294	ug/l #	70
38) Carbon Tetrachloride	7.95	117	7670	5.648	ug/l #	16
39) Methylcyclohexane	9.34	83	3589936	2505.660	ug/l #	87
40) Benzene	8.32	78	930808	302.527	ug/l	99
41) Methacrylonitrile	7.52	41	16377	72.491	ug/l #	50
42) 1,2-Dichloroethane	8.44	62	3825	3.710	ug/l #	1
43) Isopropyl Acetate	8.50	43	5694023	7142.449	ug/l #	49
45) 1,2-Dichloropropane	9.34	63	57791	84.650	ug/l #	1
46) Dibromomethane	9.41	93	6332	15.067	ug/l #	1
47) Bromodichloromethane	9.63	83	192495	174.232	ug/l #	43
48) Methyl methacrylate	9.40	41	1428089	3588.794	ug/l #	27
49) 1,4-Dioxane	9.37	88	20	3.002	ug/l #	26
51) 4-Methyl-2-Pentanone	10.26	43	362500	962.153	ug/l #	76
52) Toluene	10.39	92	136637	66.190	ug/l	96
55) 1,1,2-Trichloroethane	10.77	97	742396	1281.411	ug/l #	24
56) Ethyl methacrylate	10.69	69	131347	191.883	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.91	63	25062	80.190	ug/l #	42
59) 2-Hexanone	10.94	43	431966	1630.286	ug/l #	30
60) Dibromochloromethane	11.04	129	3130	4.080	ug/l #	11

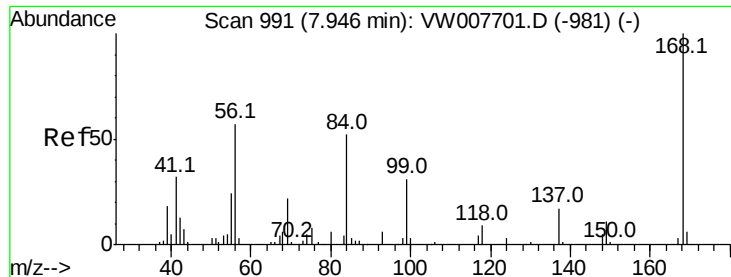
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
 Data File : VW007760.D
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2-Dibromoethane	11.21	107	3059	5.214	ug/l #	1
65) Chlorobenzene	11.79	112	7343	3.330	ug/l #	43
67) Ethyl Benzene	11.74	91	22355396	5908.613	ug/l #	73
68) m/p-Xylenes	11.86	106	15238829	10382.900	ug/l #	1
69) o-Xylene	12.18	106	10235789	7440.062	ug/l	80
70) Styrene	12.18	104	567544	250.961	ug/l #	1
73) Isopropylbenzene	12.47	105	11869080	3749.679	ug/l	100
74) N-amyl acetate	12.26	43	164590	300.190	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.68	83	30060	63.338	ug/l #	76
76) 1,2,3-Trichloropropane	12.82	75	151150	466.999	ug/l #	100
78) n-propylbenzene	12.82	91	18910179	5132.108	ug/l	95
79) 2-Chlorotoluene	12.89	91	3787819	1764.646	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.96	105	17319812	6343.441	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.47	75	159197	1032.453	ug/l #	69
82) 4-Chlorotoluene	12.96	91	2266441	991.652	ug/l #	42
83) tert-Butylbenzene	13.28	119	6168773	2574.966	ug/l #	76
84) 1,2,4-Trimethylbenzene	13.12	105	17799072	6460.467	ug/l	87
85) sec-Butylbenzene	13.40	105	1949711	590.523	ug/l #	57
86) p-Isopropyltoluene	13.52	119	1178057	392.391	ug/l	99
89) n-Butylbenzene	13.84	91	2638412	958.483	ug/l #	70
90) Hexachloroethane	14.11	117	1083313	2055.316	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.47	75	63286	649.323	ug/l #	3
95) Naphthalene	15.38	128	9311576	5626.379	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

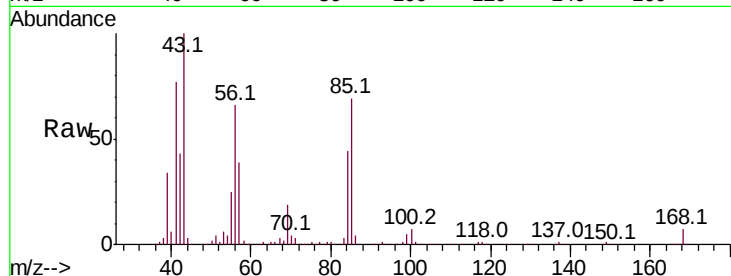
KY001SB106-121218-(20-22)

Tot Ion:168 Resp: 70444

Ion Ratio Lower Upper

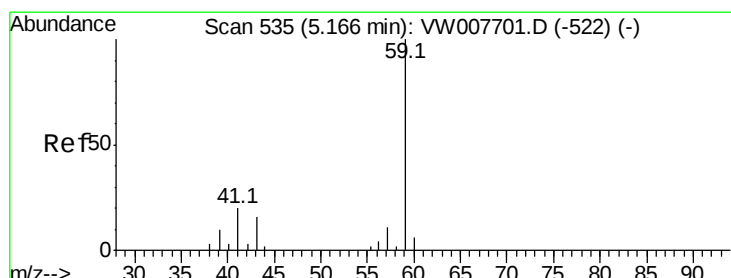
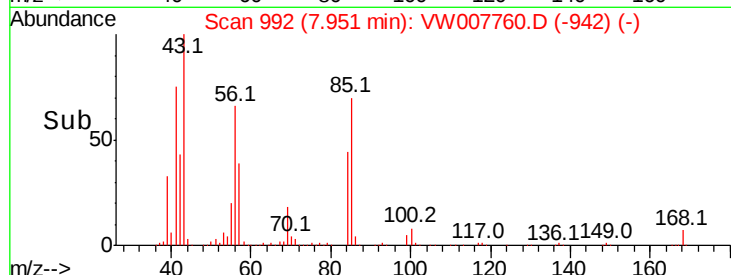
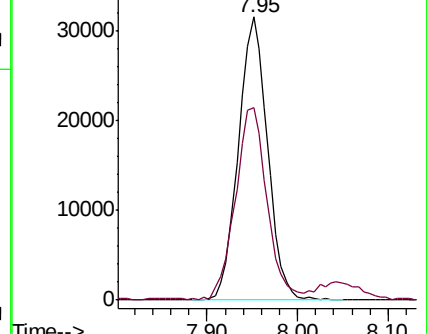
168 100

99 67.6 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 28.742 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007760.D

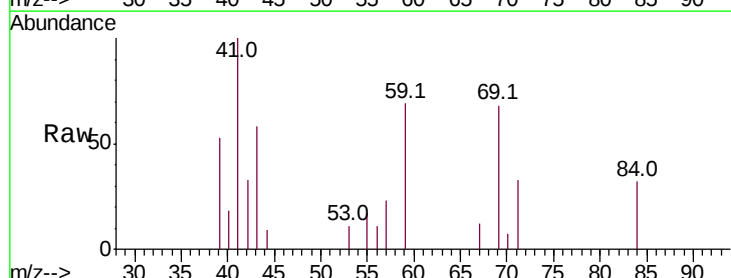
Acq: 20 Dec 2018 21:00

Tgt Ion: 59 Resp: 1497

Ion Ratio Lower Upper

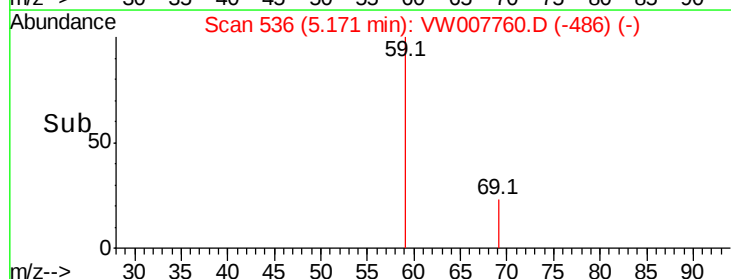
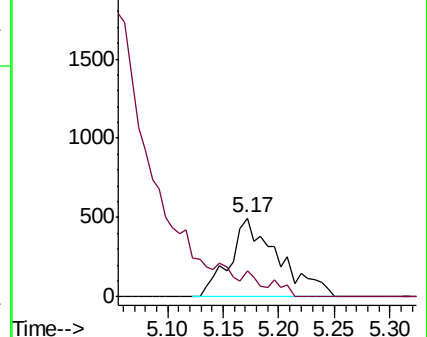
59 100

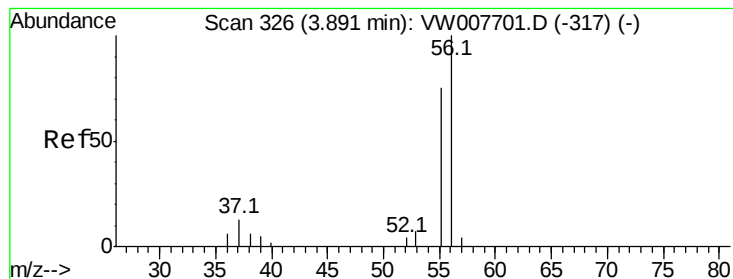
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 30.809 ug/l

RT: 3.84 min Scan# 317

Delta R.T. -0.06 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

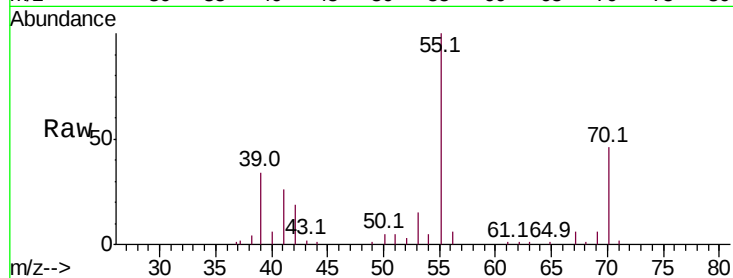
KY001SB106-121218-(20-22)

Tot Ion: 56 Resp: 1283

Ion Ratio Lower Upper

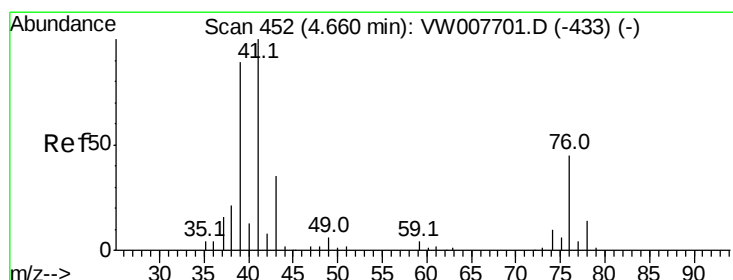
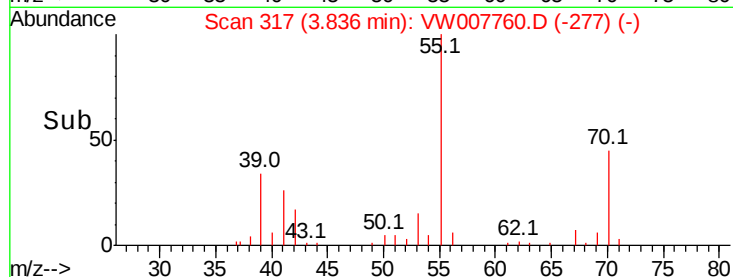
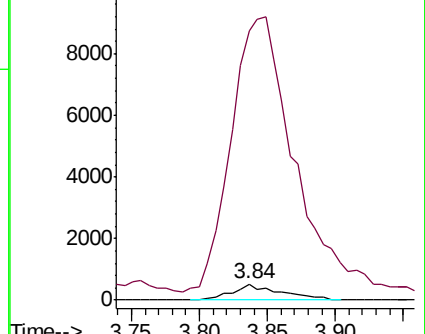
56 100

55 2444.5 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.014 ug/l

RT: 4.76 min Scan# 469

Delta R.T. 0.10 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

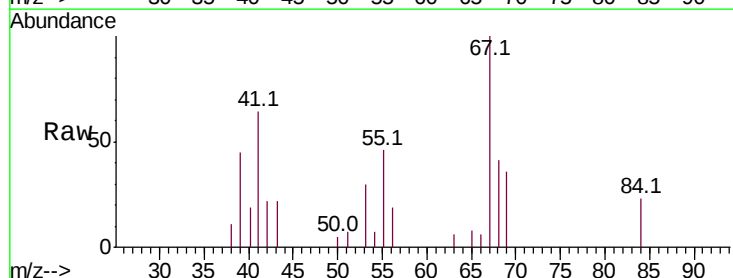
Tgt Ion: 41 Resp: 3658

Ion Ratio Lower Upper

41 100

39 98.7 69.5 104.3

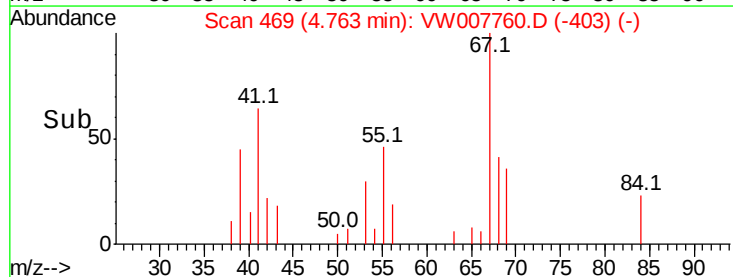
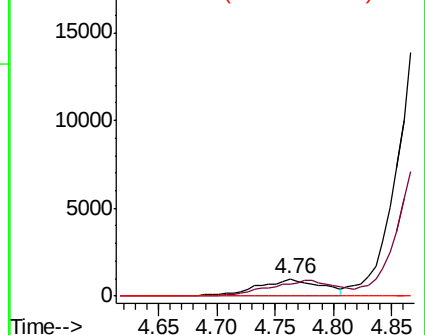
76 0.0 34.8 52.2#

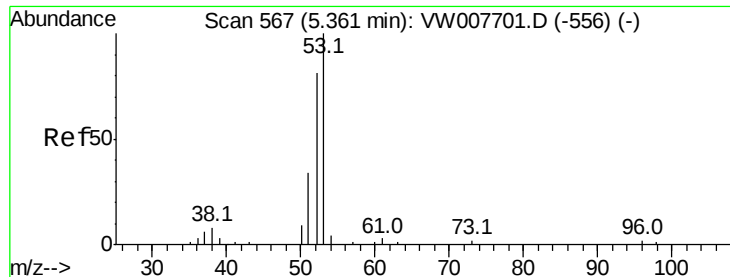


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 283.491 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)

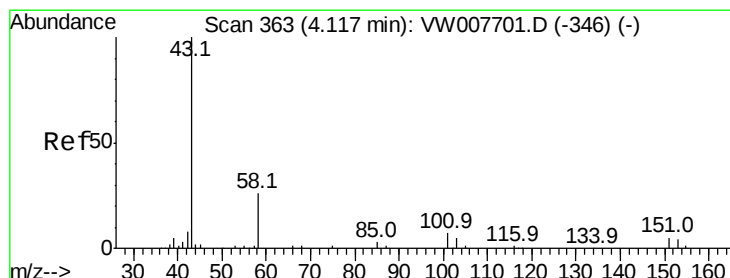
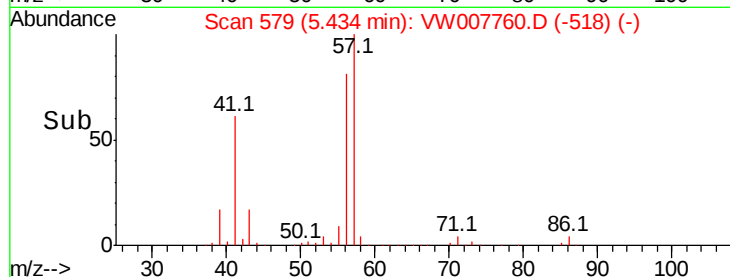
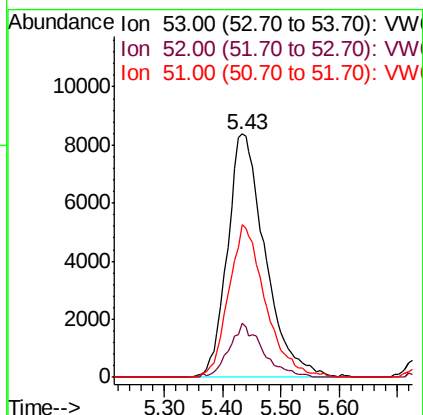
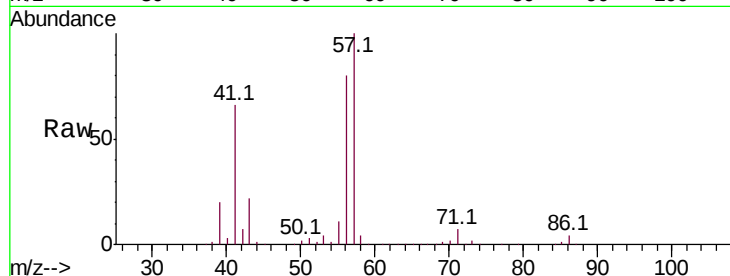
Tot Ion: 53 Resp: 37748

Ion Ratio Lower Upper

53 100

52 19.9 67.0 100.4#

51 61.0 30.2 45.2#



#16

Acetone

Concen: 282.053 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007760.D

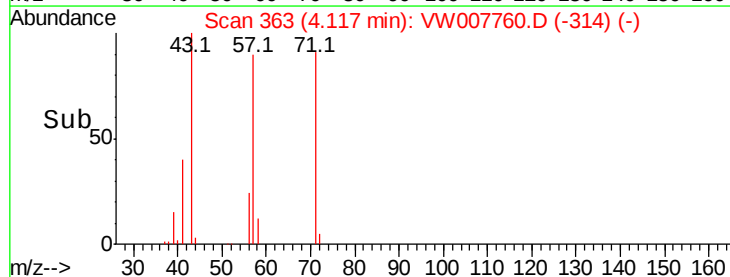
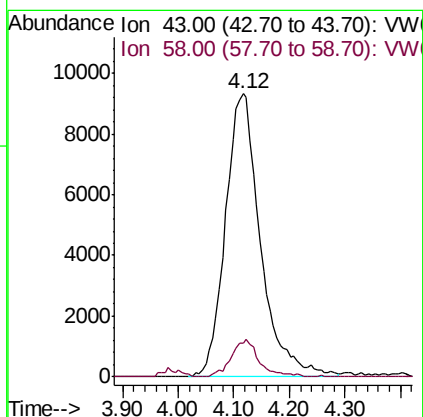
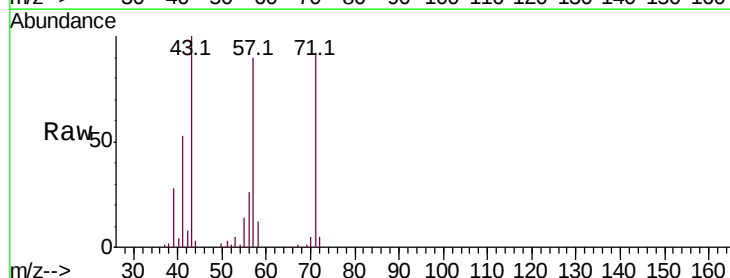
Acq: 20 Dec 2018 21:00

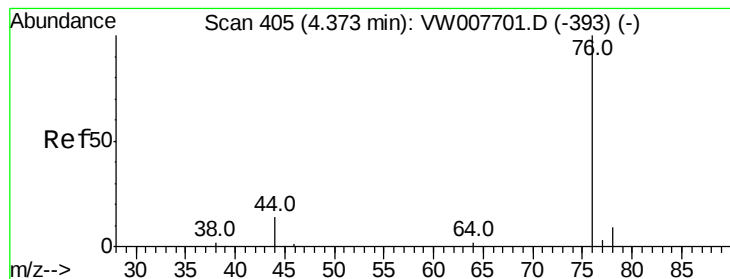
Tgt Ion: 43 Resp: 40780

Ion Ratio Lower Upper

43 100

58 11.8 21.2 31.8#





#17

Carbon Disulfide

Concen: 1.512 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

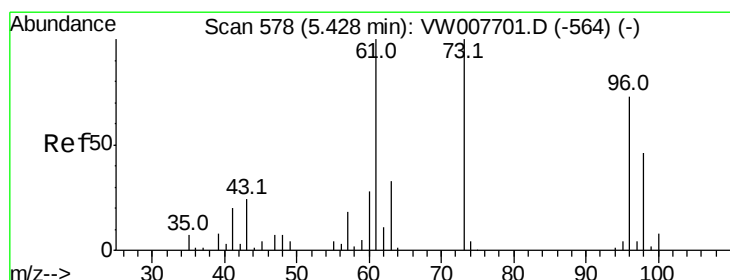
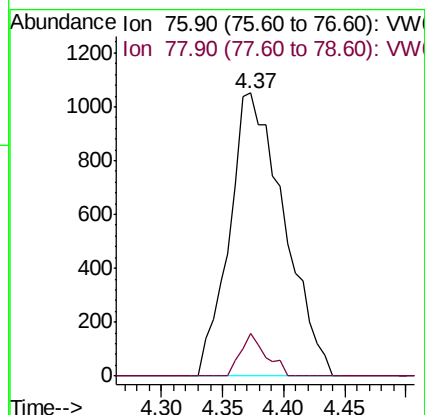
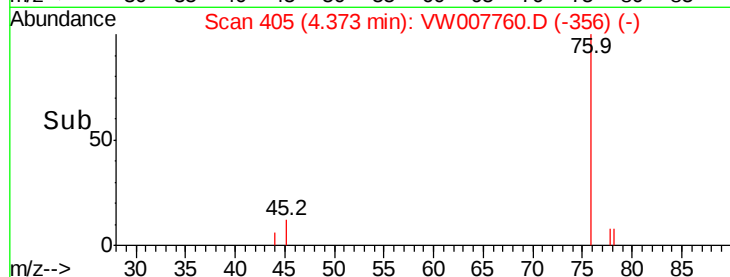
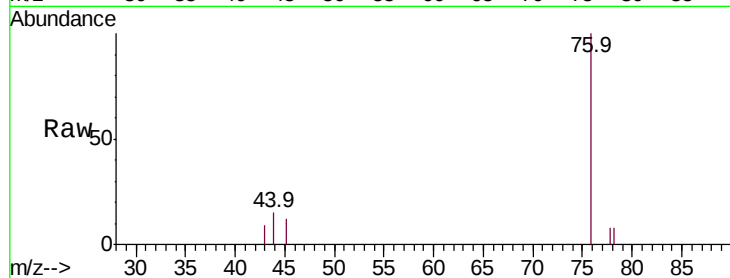
KY001SB106-121218-(20-22)

Tot Ion: 76 Resp: 3252

Ion Ratio Lower Upper

76 100

78 15.1 7.3 10.9#



#19

Methyl tert-butyl Ether

Concen: 12.198 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007760.D

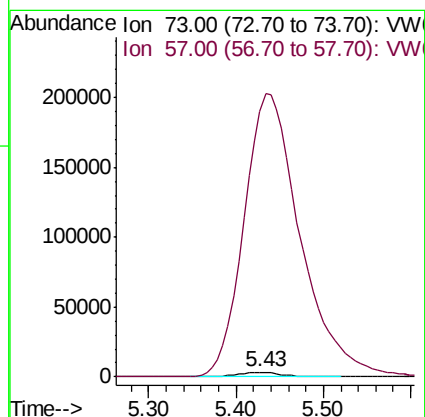
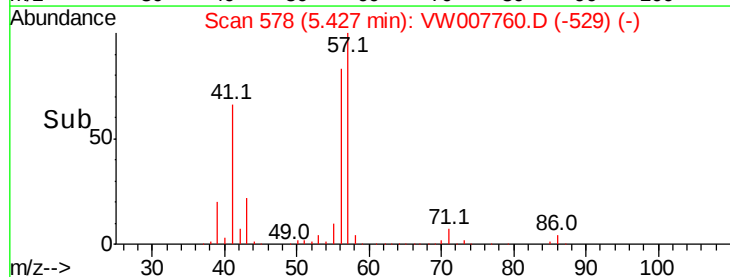
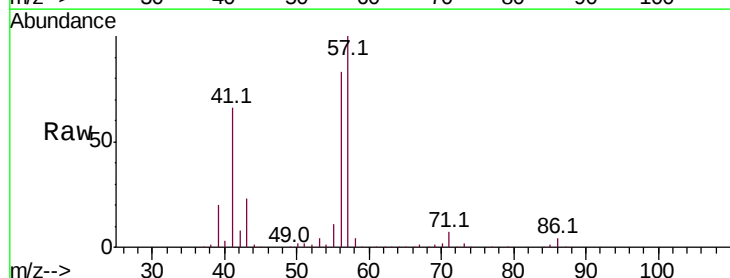
Acq: 20 Dec 2018 21:00

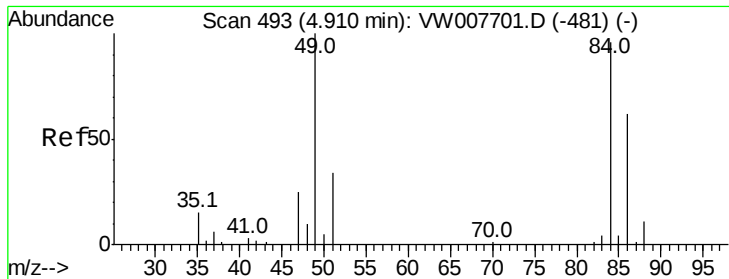
Tgt Ion: 73 Resp: 12171

Ion Ratio Lower Upper

73 100

57 5310.9 14.7 22.1#





#20

Methylene Chloride

Concen: 4.632 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)

Tot Ion: 84 Resp: 7486

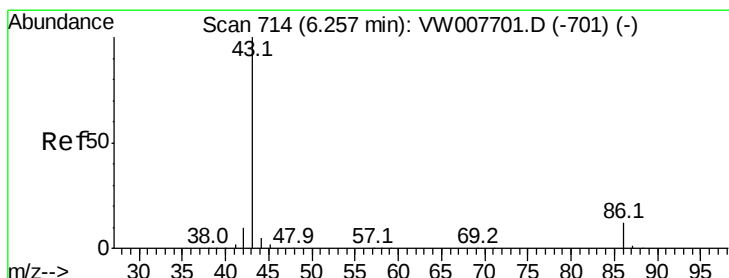
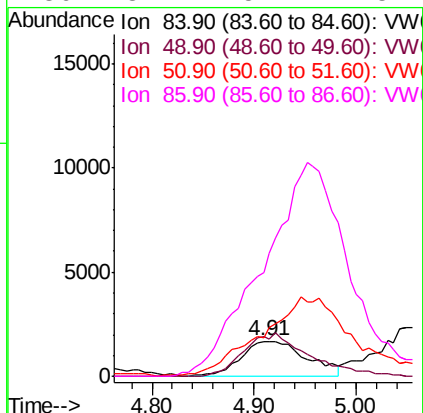
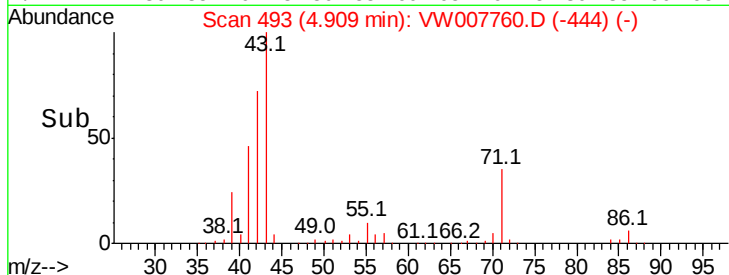
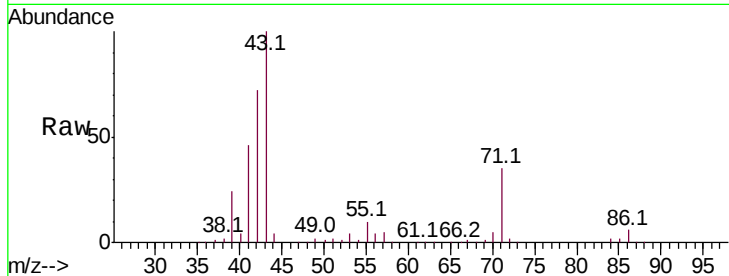
Ion Ratio Lower Upper

84 100

49 111.8 83.7 125.5

51 102.6 28.2 42.2#

86 281.7 52.2 78.2#



#23

Vinyl Acetate

Concen: 5.763 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.03 min

Lab File: VW007760.D

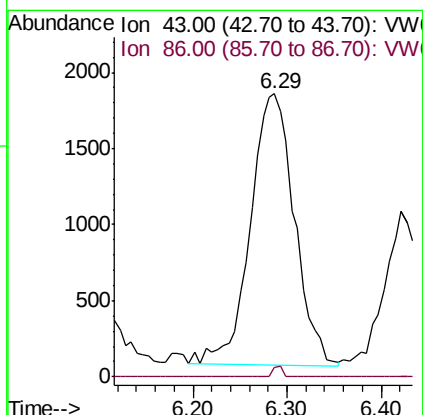
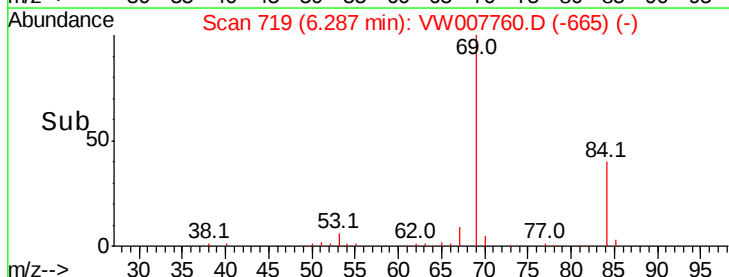
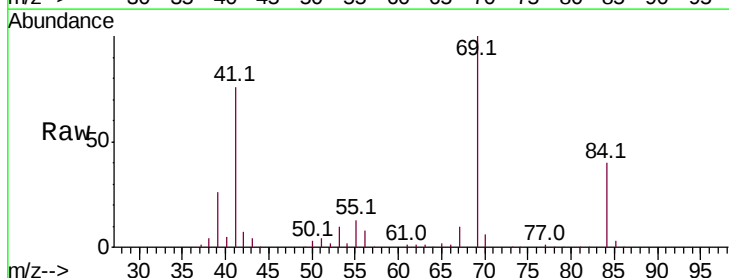
Acq: 20 Dec 2018 21:00

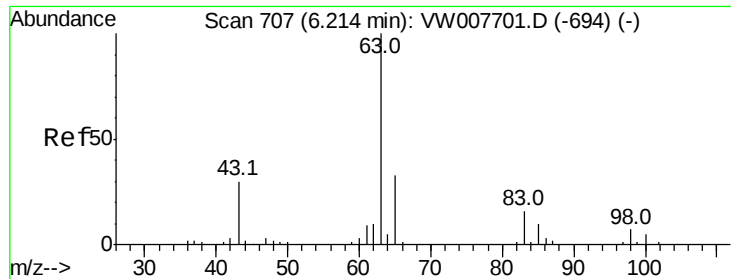
Tgt Ion: 43 Resp: 5843

Ion Ratio Lower Upper

43 100

86 3.7 9.6 14.4#





#24

1,1-Dichloroethane

Concen: 1.845 ug/l

RT: 6.28 min Scan# 718

Delta R.T. 0.07 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

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KY001SB106-121218-(20-22)

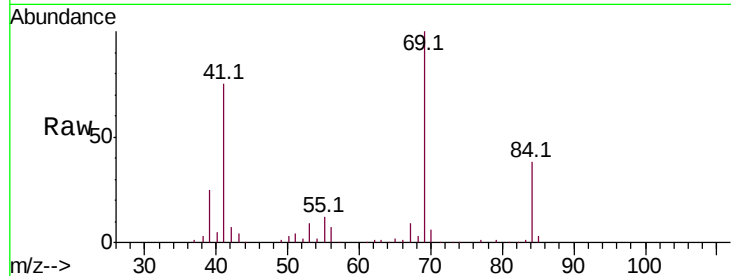
Tot Ion: 63 Resp: 2316

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

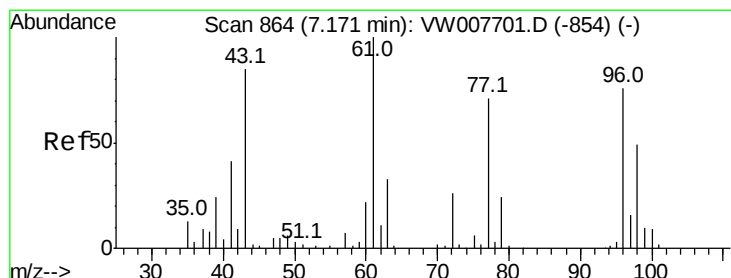
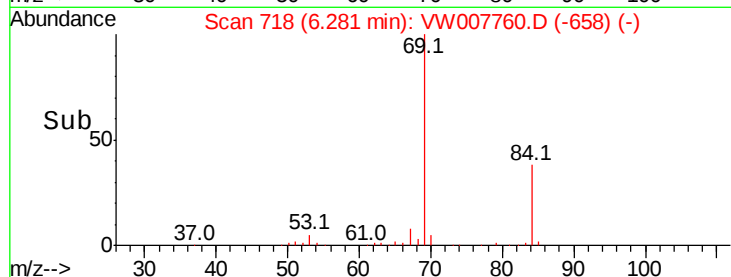
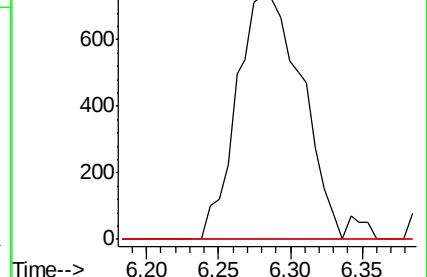
100 0.0 2.5 7.5#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 261.508 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007760.D

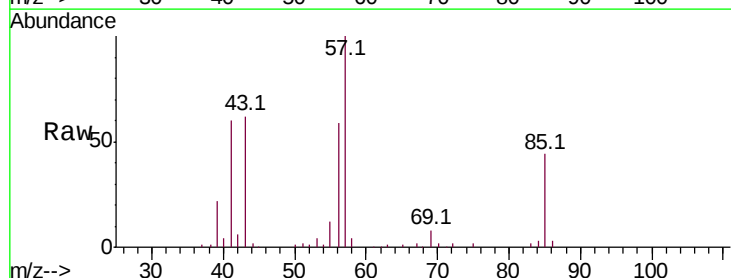
Acq: 20 Dec 2018 21:00

Tgt Ion: 43 Resp: 44286

Ion Ratio Lower Upper

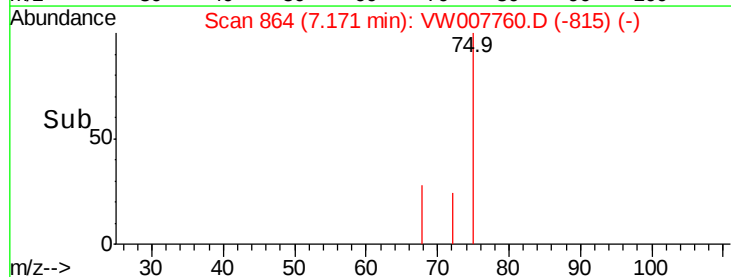
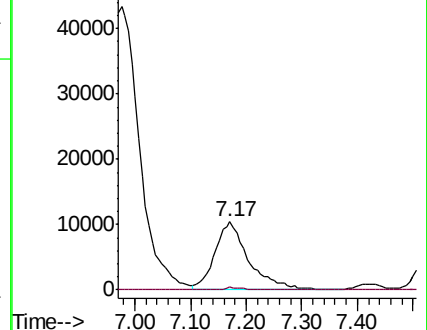
43 100

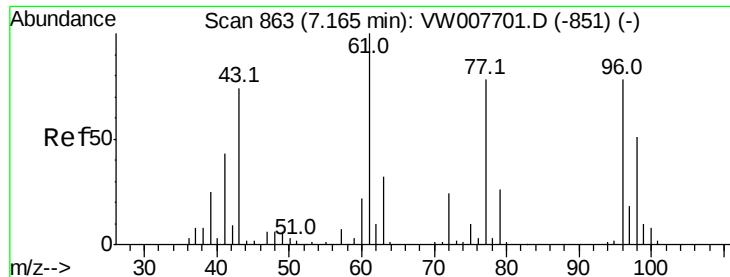
72 3.9 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

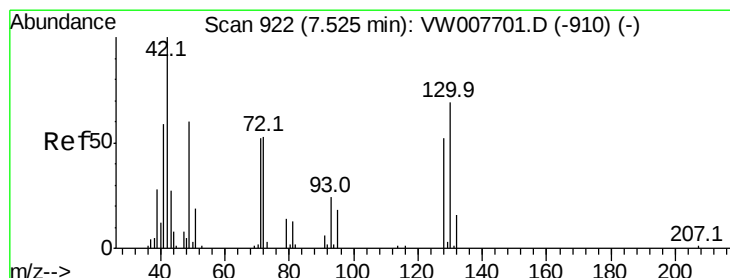
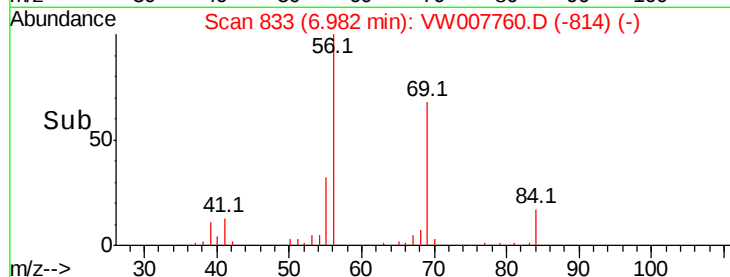
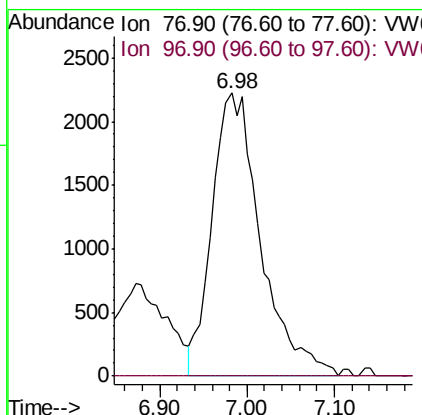
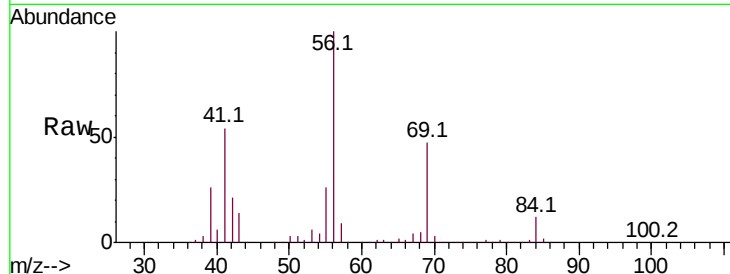




#26
 2,2-Dichloropropane
 Concen: 9.376 ug/l
 RT: 6.98 min Scan# 833
 Delta R.T. -0.18 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

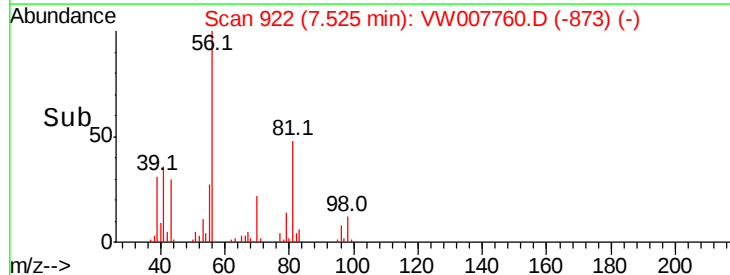
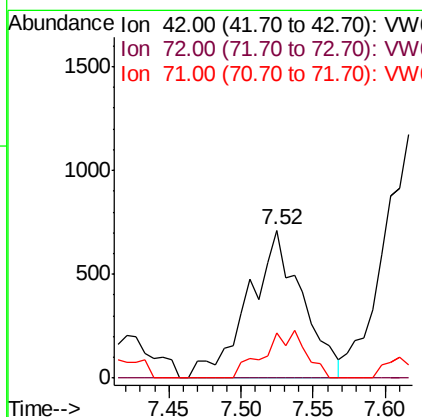
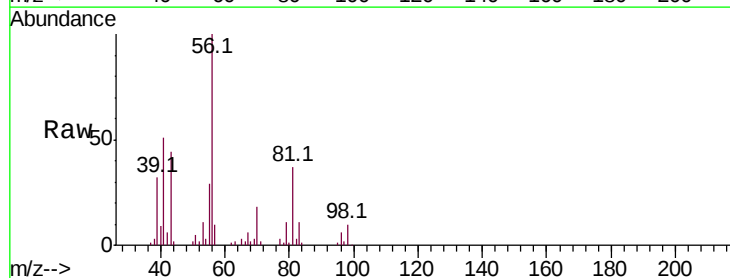
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

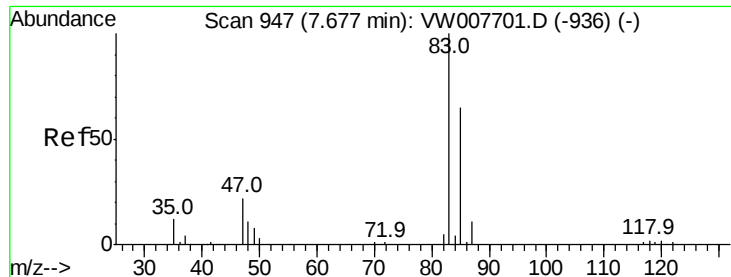
Tot Ion: 77 Resp: 8614
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.3 33.9#



#29
 Tetrahydrofuran
 Concen: 18.285 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Tgt Ion: 42 Resp: 1847
 Ion Ratio Lower Upper
 42 100
 72 0.0 41.7 62.5#
 71 0.0 39.0 58.6#

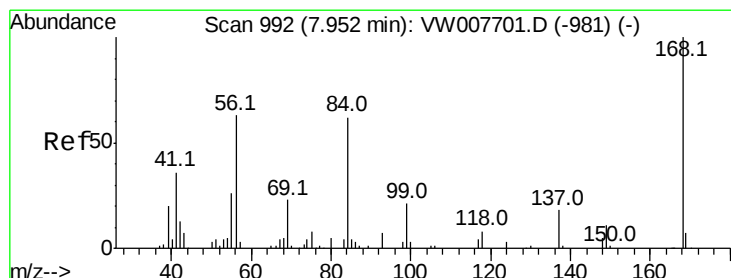
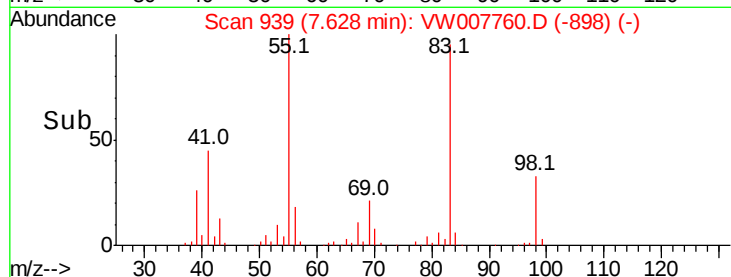
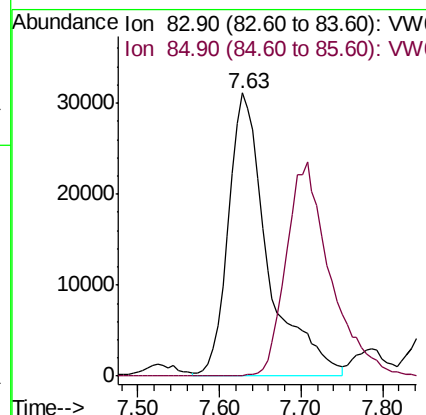
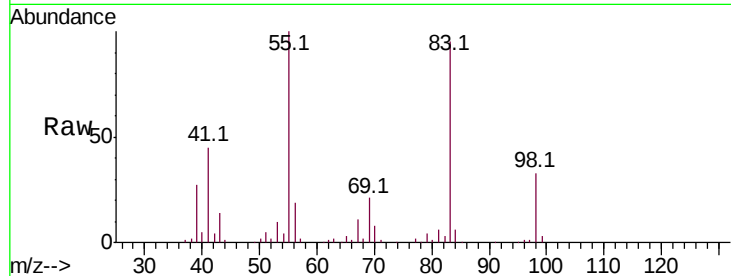




#30
Chloroform
Concen: 73.018 ug/l
RT: 7.63 min Scan# 939
Delta R.T. -0.05 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

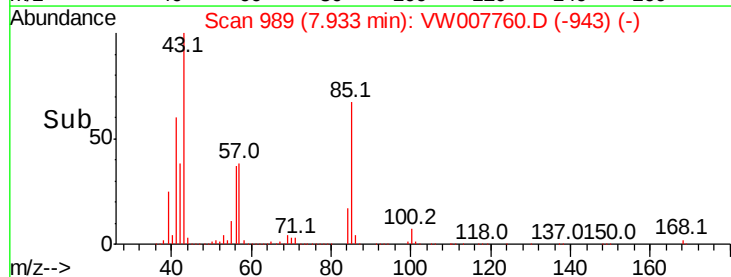
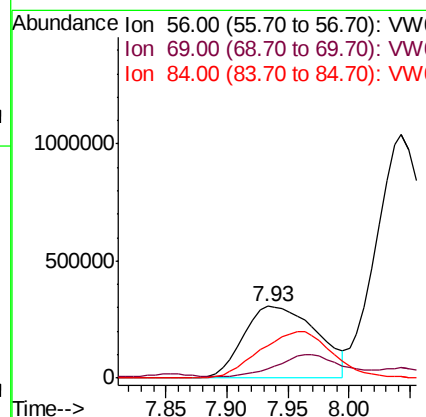
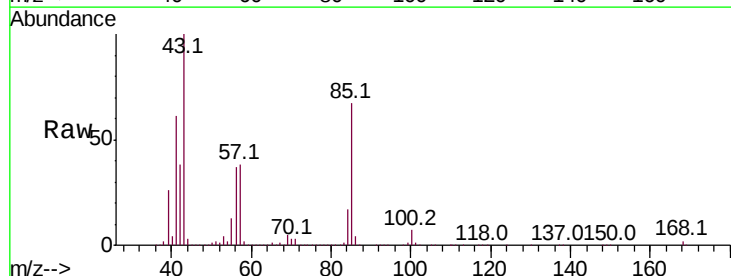
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

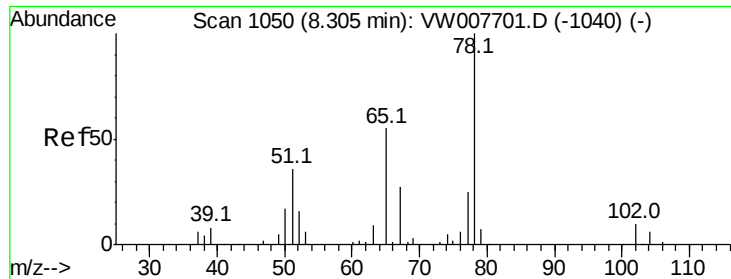
Tot Ion: 83 Resp: 103744
Ion Ratio Lower Upper
83 100
85 0.3 52.2 78.2#



#31
Cyclohexane
Concen: 1107.314 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 56 Resp: 1272701
Ion Ratio Lower Upper
56 100
69 8.8 29.7 44.5#
84 45.9 78.9 118.3#

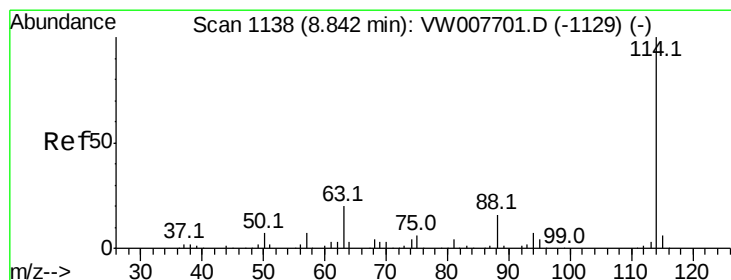
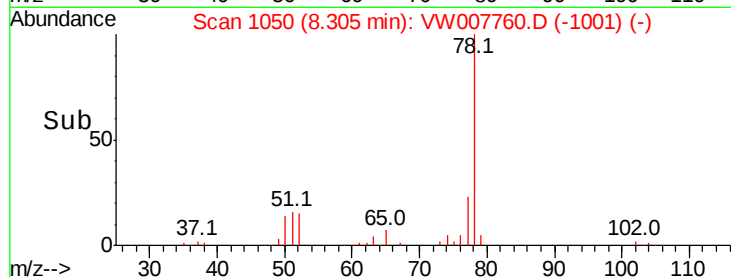
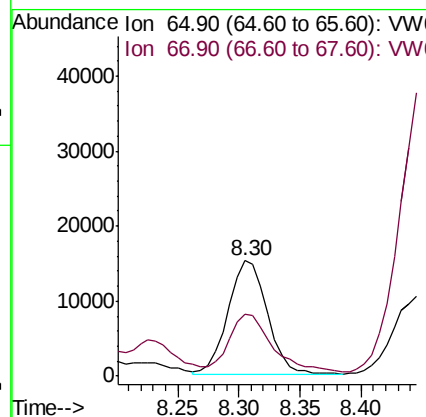
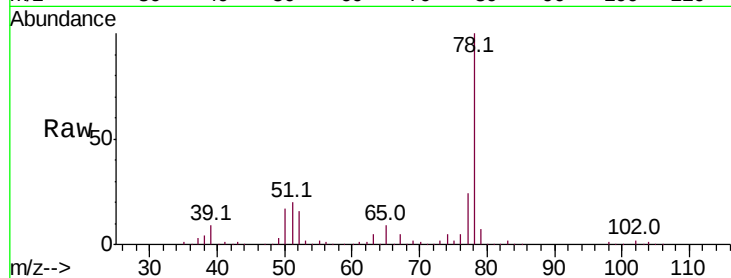




#33
 1,2-Dichloroethane-d4
 Concen: 43.116 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

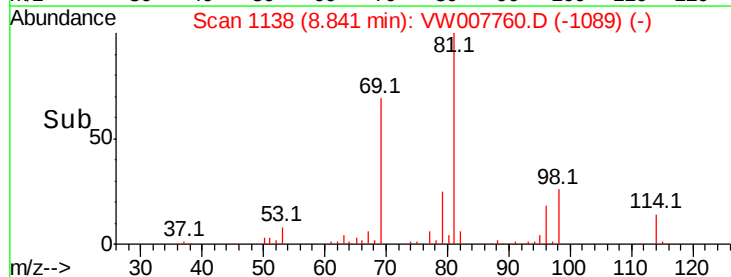
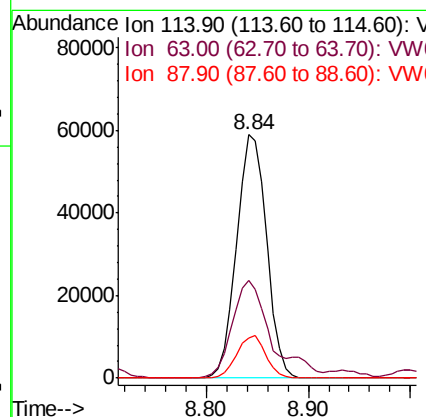
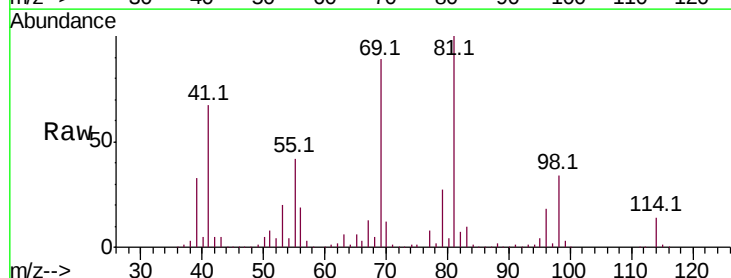
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

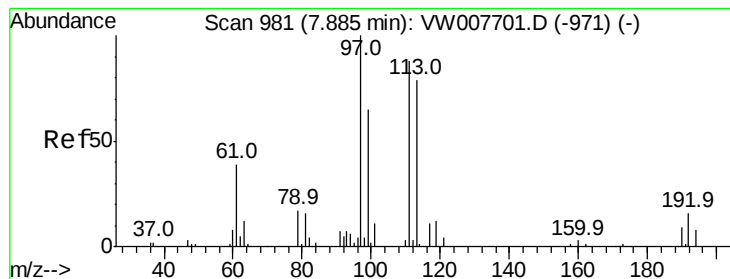
Tot Ion: 65 Resp: 33290
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Tgt Ion: 114 Resp: 119460
 Ion Ratio Lower Upper
 114 100
 63 40.2 0.0 40.0#
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 43.132 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)

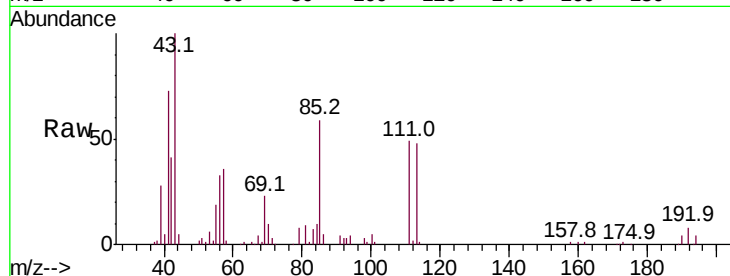
Tot Ion:113 Resp: 31433

Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

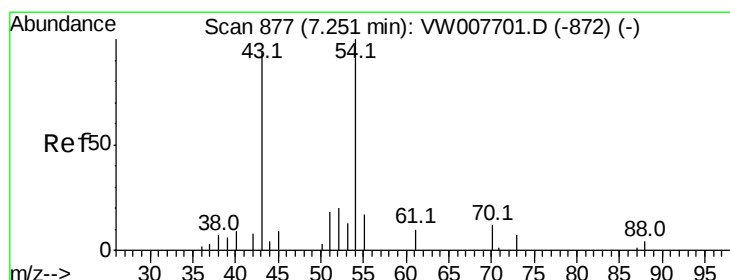
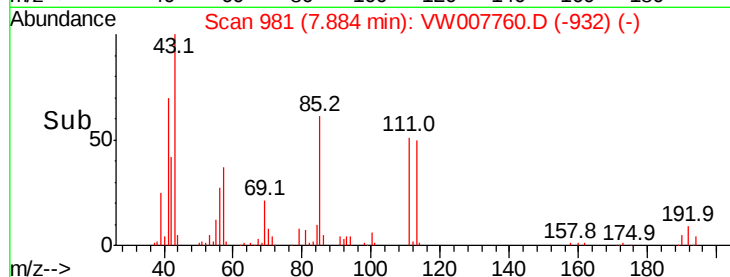
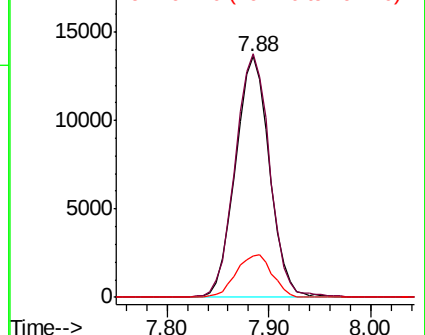
192 18.7 15.5 23.3



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



#37

Ethyl Acetate

Concen: 111.294 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

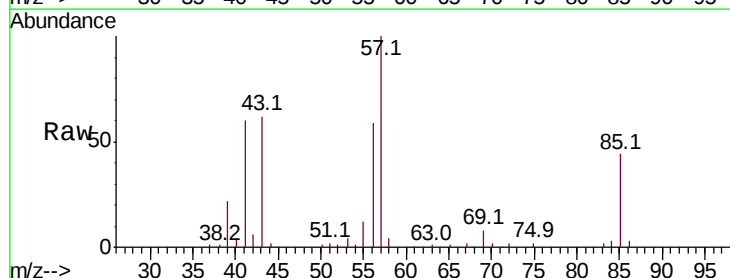
Tgt Ion: 43 Resp: 44286

Ion Ratio Lower Upper

43 100

61 0.1 11.2 16.8#

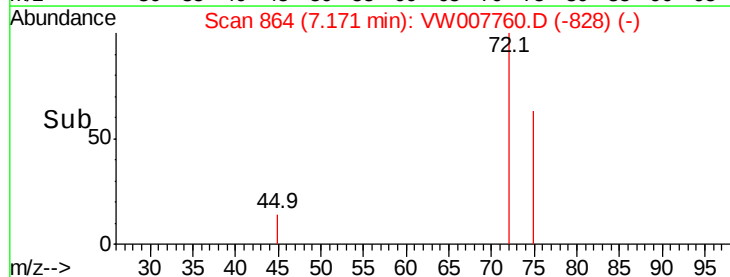
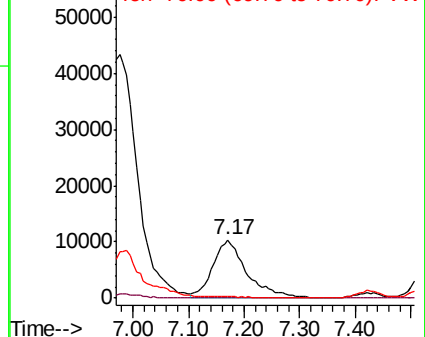
70 2.4 9.3 13.9#

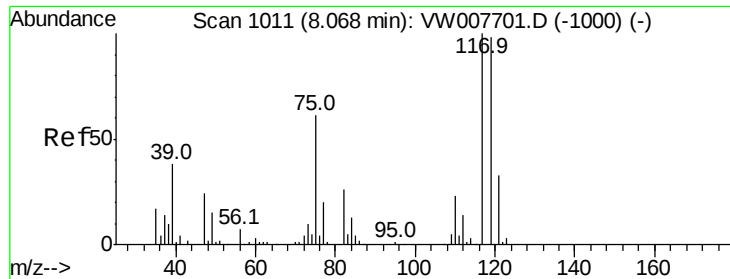


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

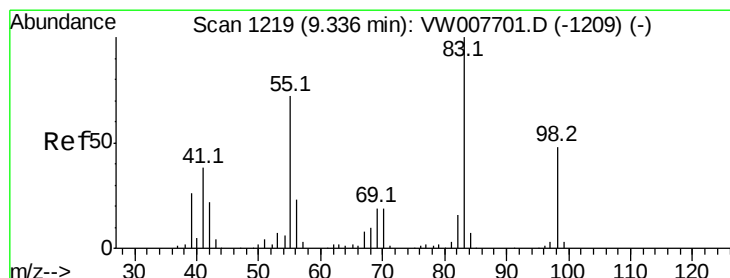
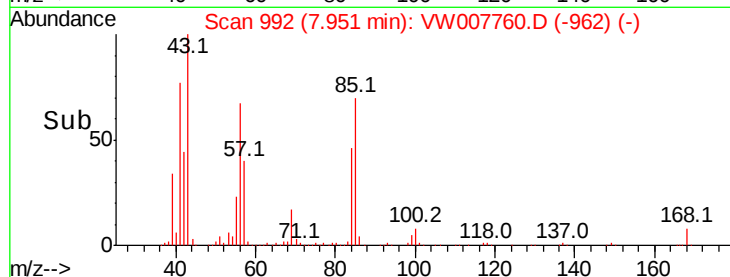
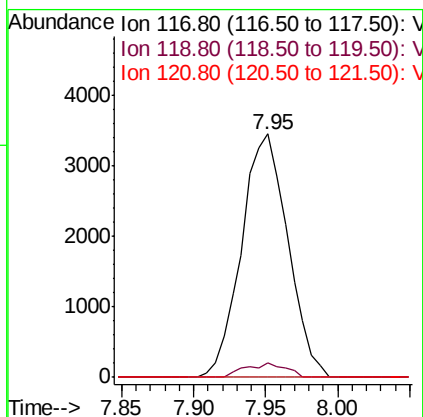
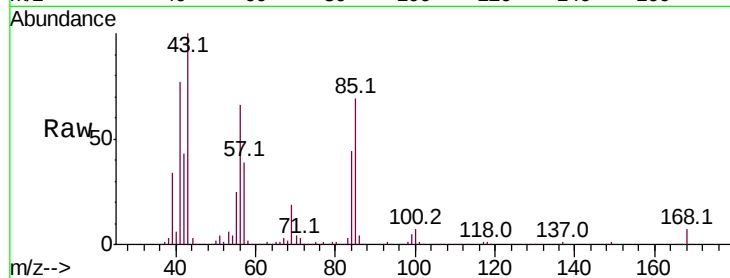




#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

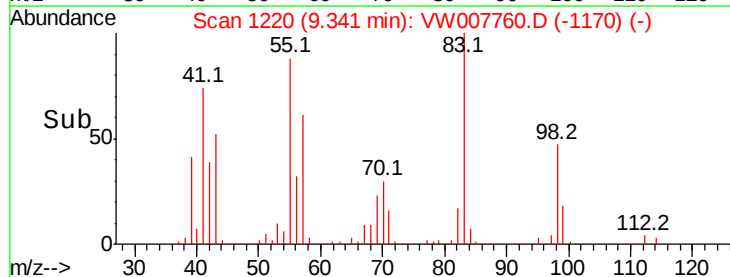
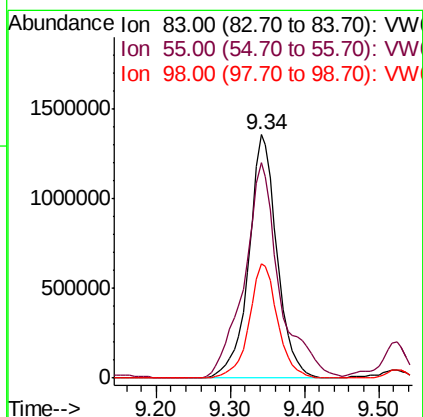
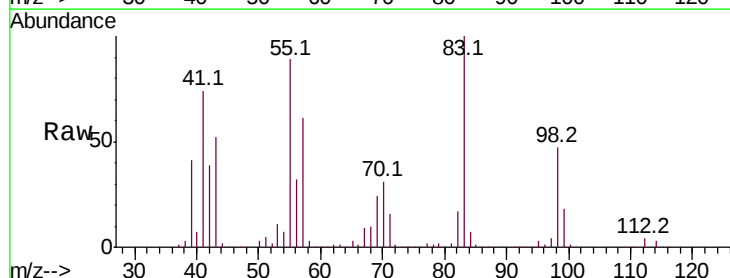
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

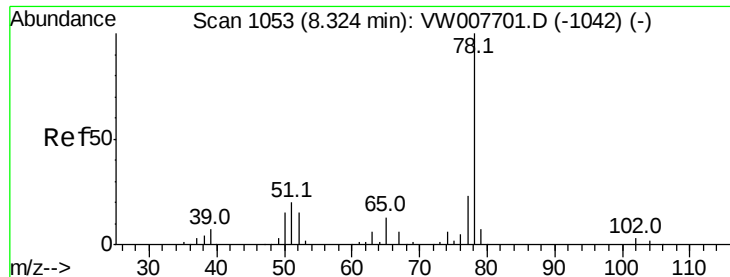
Tot Ion:117 Resp: 7670
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 26.1 39.1#



#39
Methylcyclohexane
Concen: 2505.660 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 83 Resp: 3589936
Ion Ratio Lower Upper
83 100
55 88.6 57.2 85.8#
98 47.0 38.6 58.0

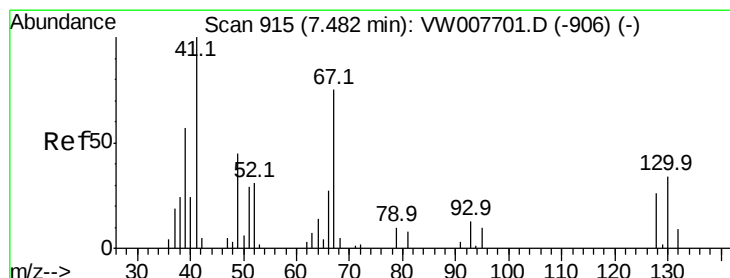
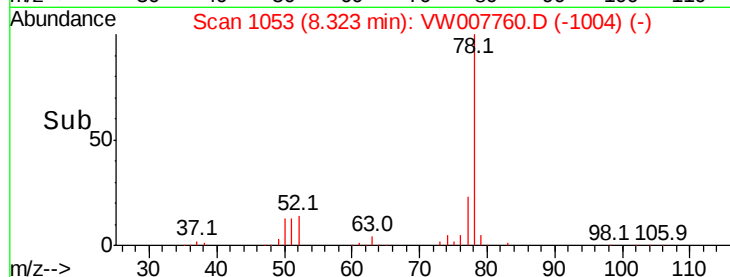
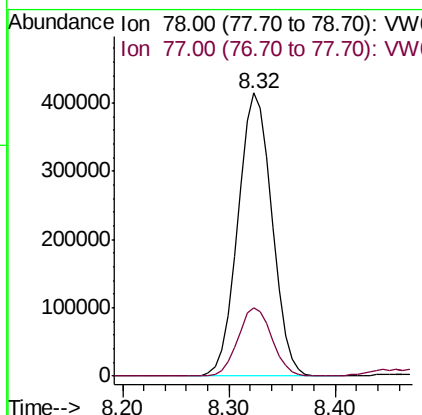
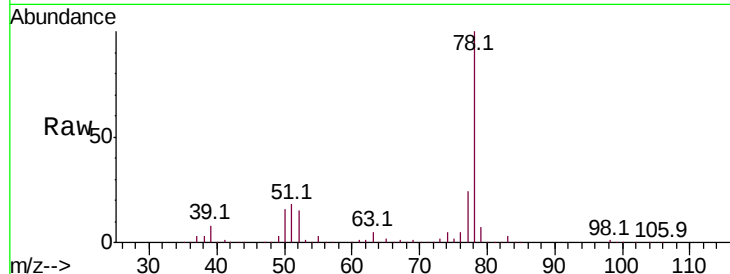




#40
Benzene
Concen: 302.527 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

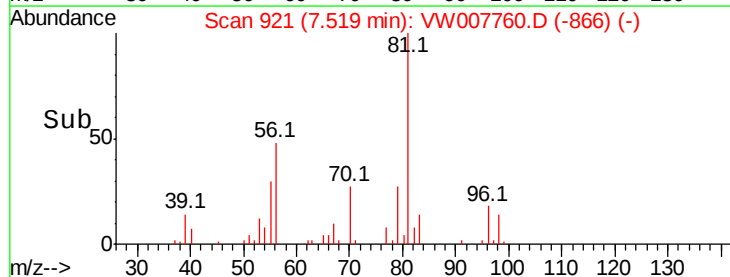
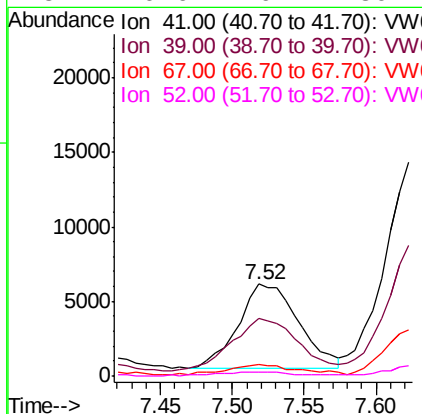
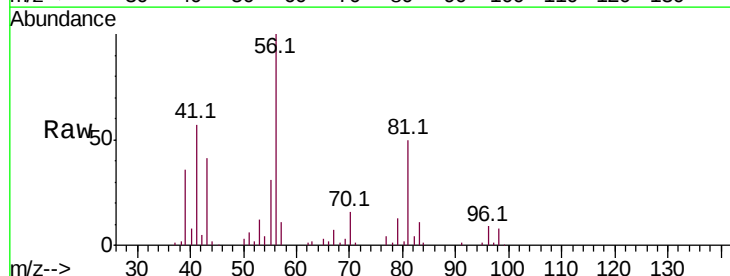
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

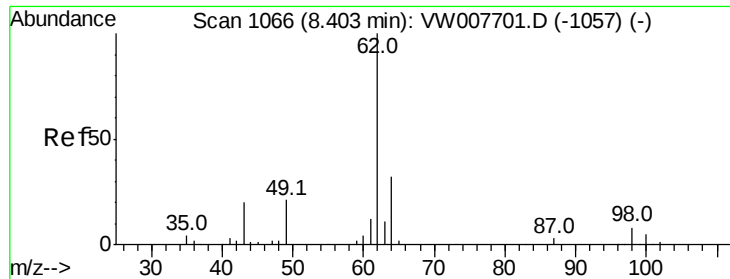
Tot Ion: 78 Resp: 930808
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1



#41
Methacrylonitrile
Concen: 72.491 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.04 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 41 Resp: 16377
Ion Ratio Lower Upper
41 100
39 69.0 54.2 81.4
67 0.0 65.7 98.5#
52 6.6 26.2 39.4#

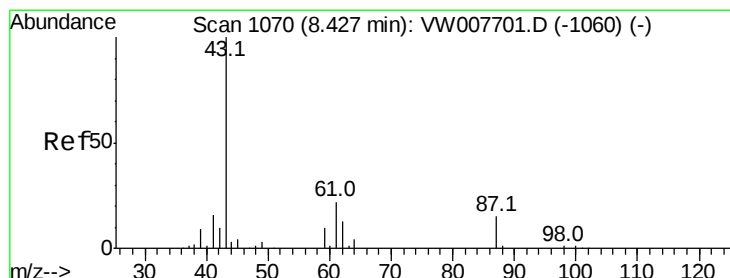
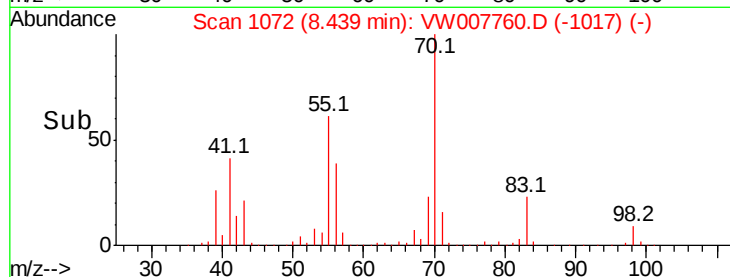
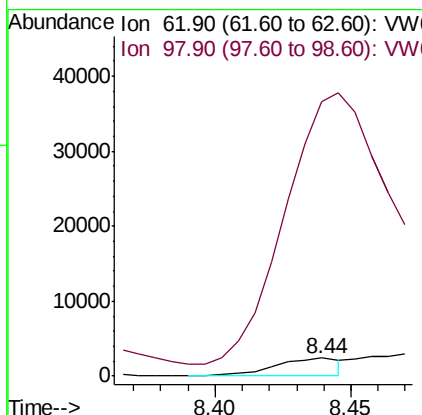
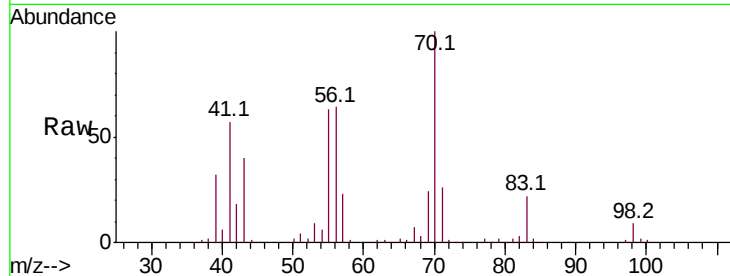




#42
 1,2-Dichloroethane
 Concen: 3.710 ug/l
 RT: 8.44 min Scan# 1072
 Delta R.T. 0.04 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

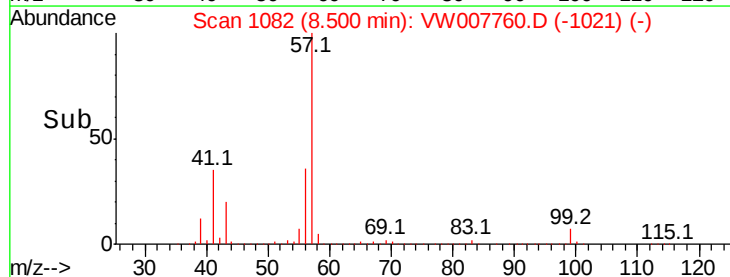
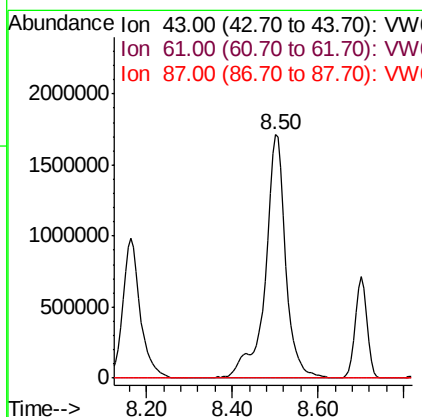
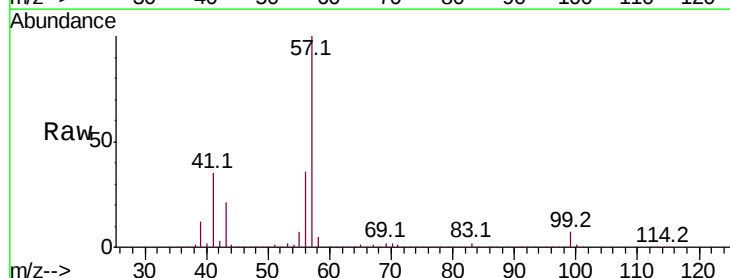
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

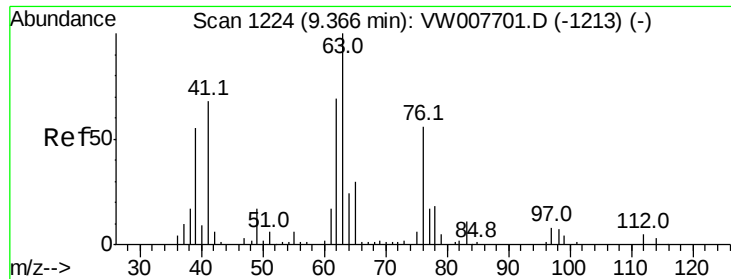
Tot Ion: 62 Resp: 3825
 Ion Ratio Lower Upper
 62 100
 98 2560.2 0.0 16.6#



#43
 Isopropyl Acetate
 Concen: 7142.449 ug/l
 RT: 8.50 min Scan# 1082
 Delta R.T. 0.07 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Tgt Ion: 43 Resp: 5694023
 Ion Ratio Lower Upper
 43 100
 61 0.1 26.3 39.5#
 87 0.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 84.650 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.02 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

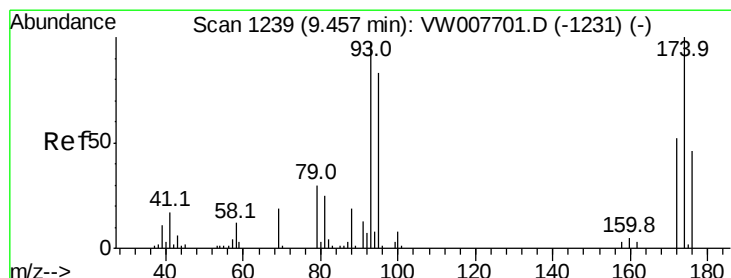
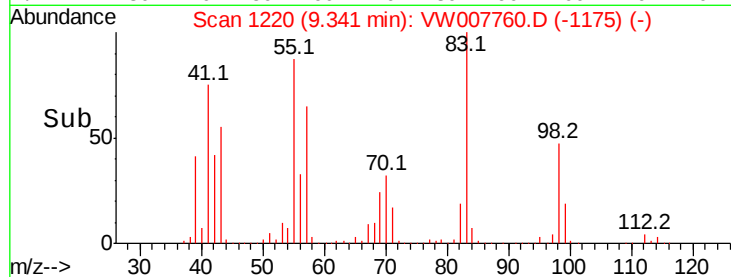
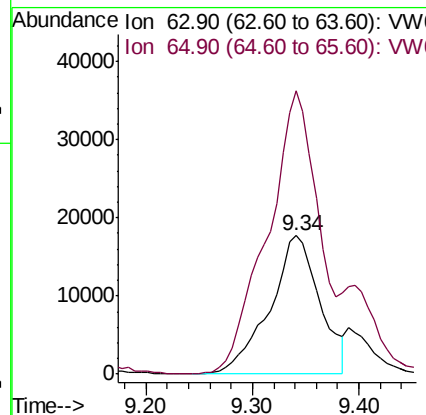
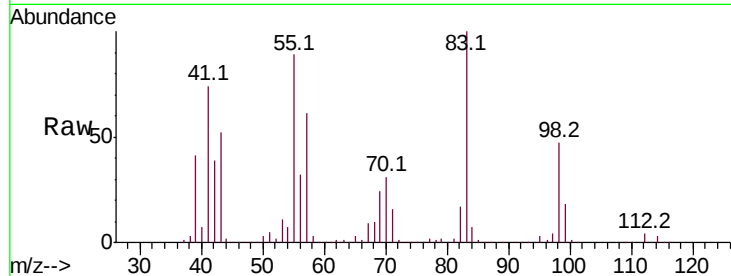
KY001SB106-121218-(20-22)

Tot Ion: 63 Resp: 57791

Ion Ratio Lower Upper

63 100

65 204.9 23.8 35.8#



#46

Dibromomethane

Concen: 15.067 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.04 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

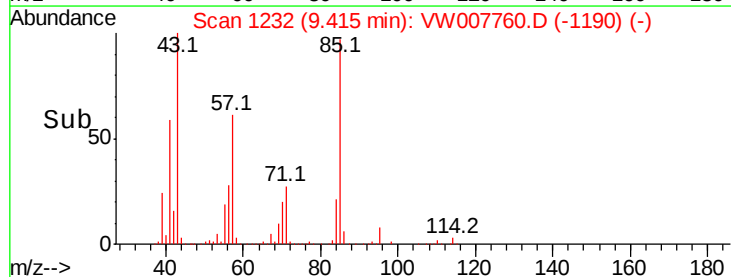
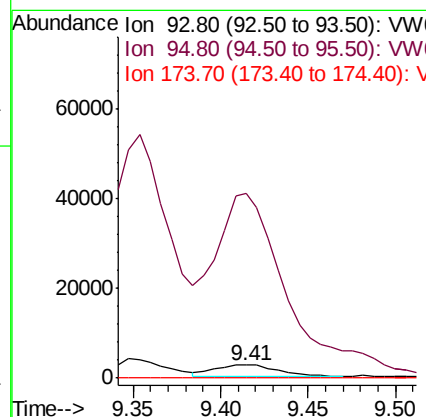
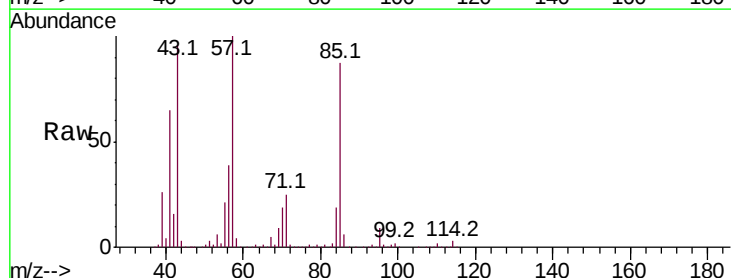
Tgt Ion: 93 Resp: 6332

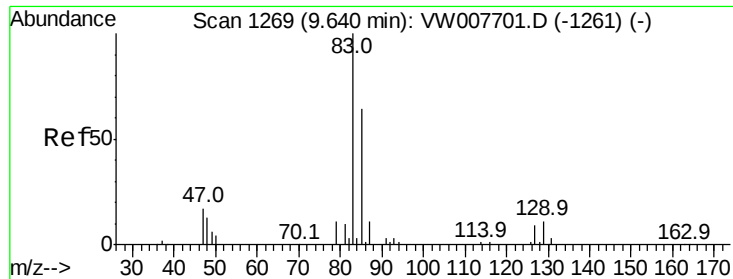
Ion Ratio Lower Upper

93 100

95 1934.9 67.5 101.3#

174 0.0 83.9 125.9#





#47

Bromodichloromethane

Concen: 174.232 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)

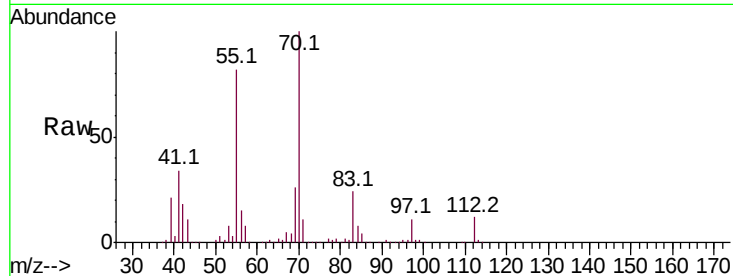
Tot Ion: 83 Resp: 192495

Ion Ratio Lower Upper

83 100

85 16.3 51.4 77.0#

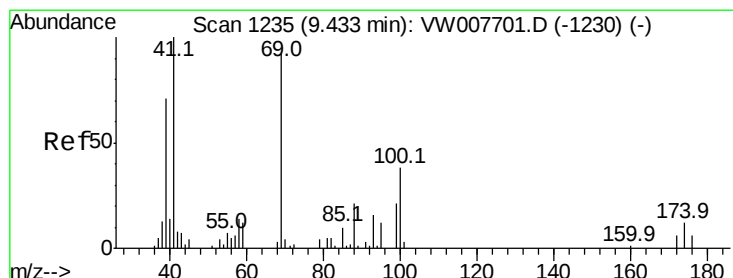
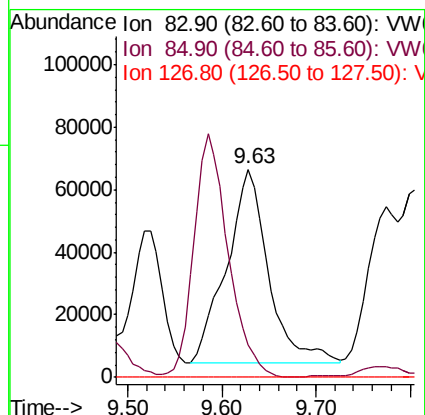
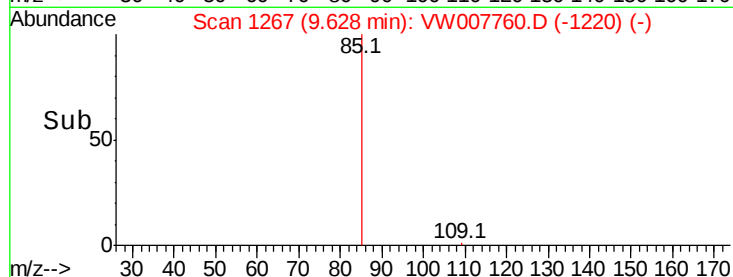
127 0.0 7.5 11.3#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 3588.794 ug/l

RT: 9.40 min Scan# 1229

Delta R.T. -0.04 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

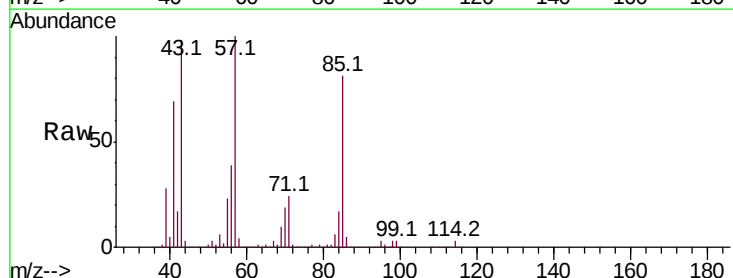
Tgt Ion: 41 Resp: 1428089

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

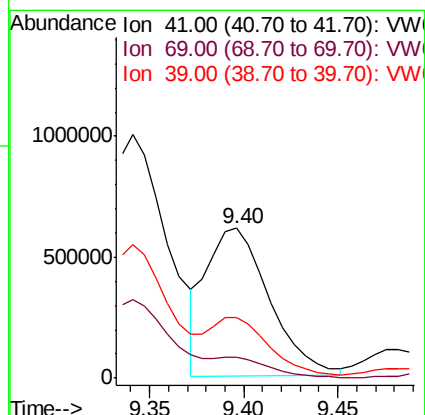
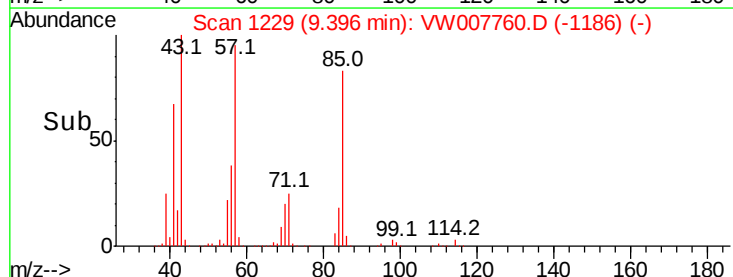
39 35.5 53.9 80.9#

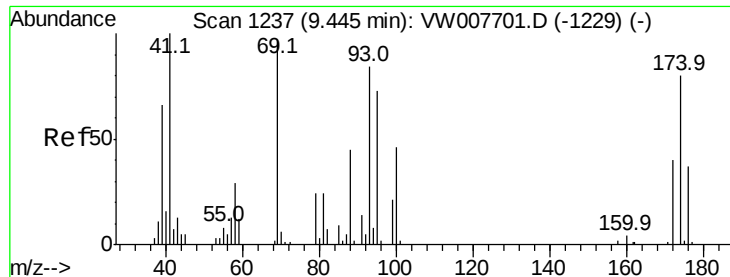


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 3.002 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.07 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)

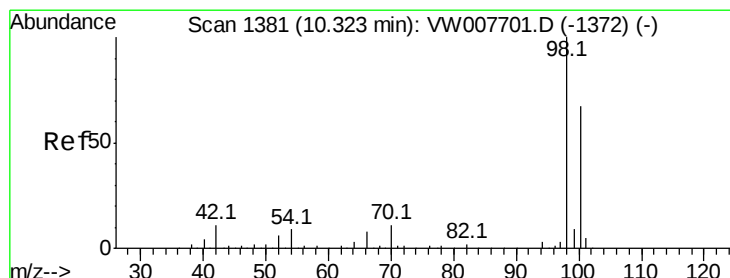
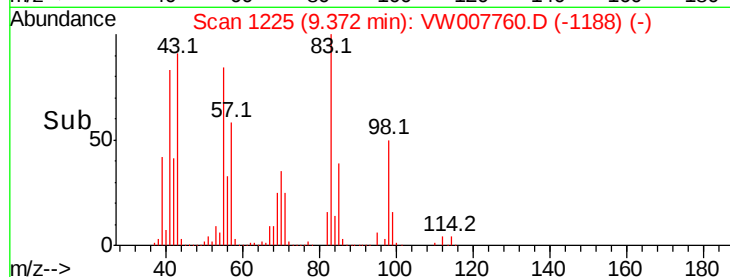
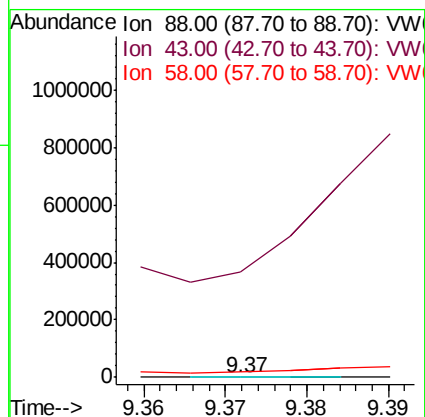
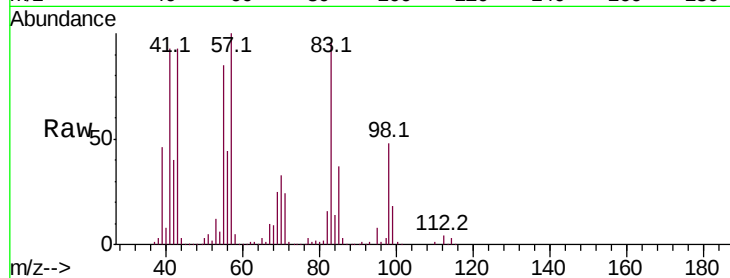
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

58 0.0 52.3 78.5#



#50

Toluene-d8

Concen: 80.324 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007760.D

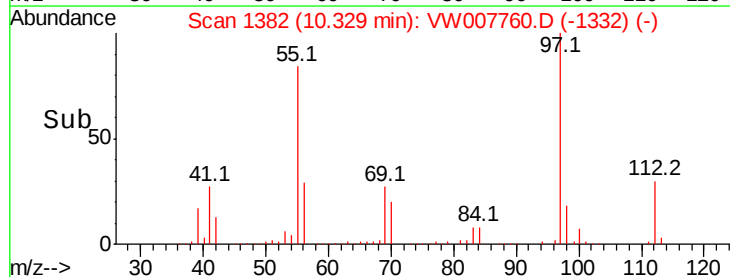
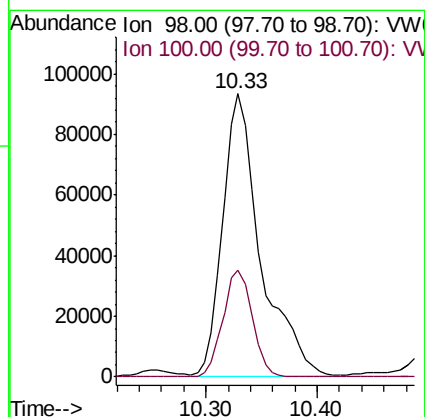
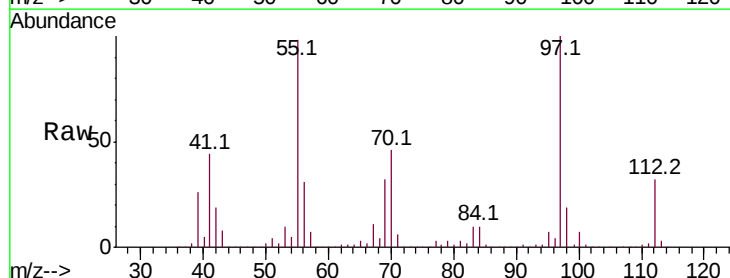
Acq: 20 Dec 2018 21:00

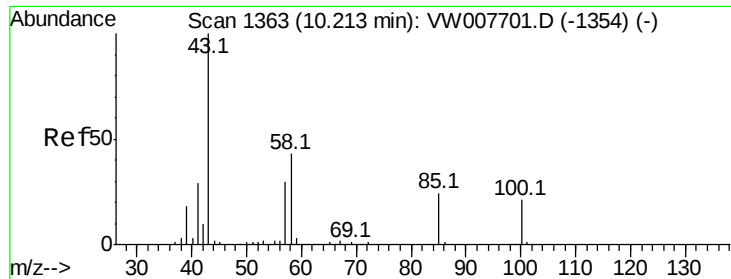
Tgt Ion: 98 Resp: 220678

Ion Ratio Lower Upper

98 100

100 29.1 52.2 78.2#





#51

4-Methyl-2-Pentanone

Concen: 962.153 ug/l

RT: 10.26 min Scan# 1371

Delta R.T. 0.05 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

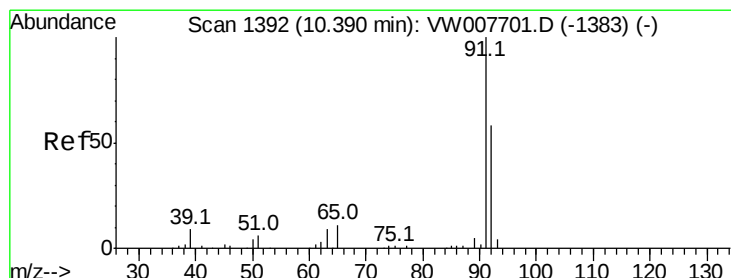
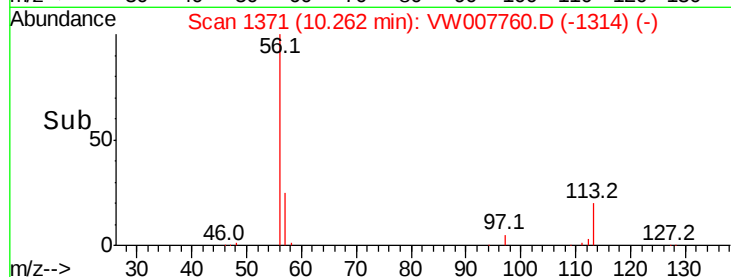
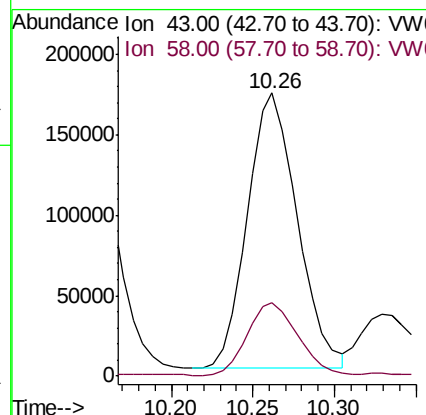
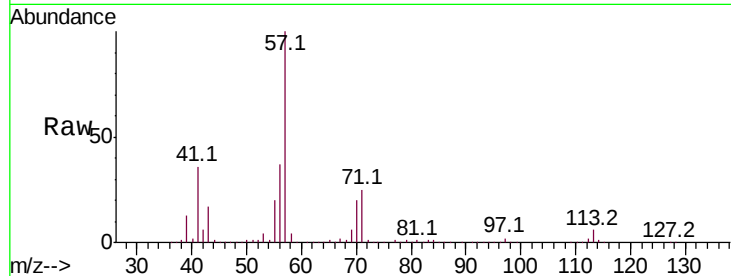
KY001SB106-121218-(20-22)

Tot Ion: 43 Resp: 362500

Ion Ratio Lower Upper

43 100

58 26.7 33.2 49.8#



#52

Toluene

Concen: 66.190 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007760.D

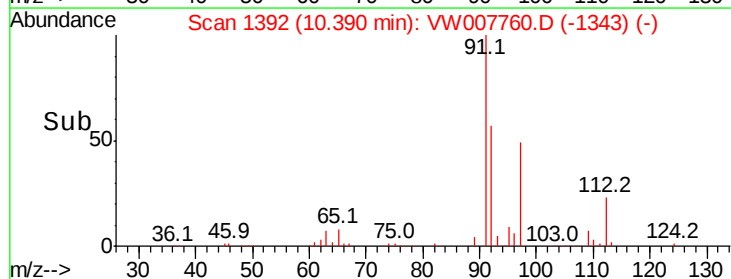
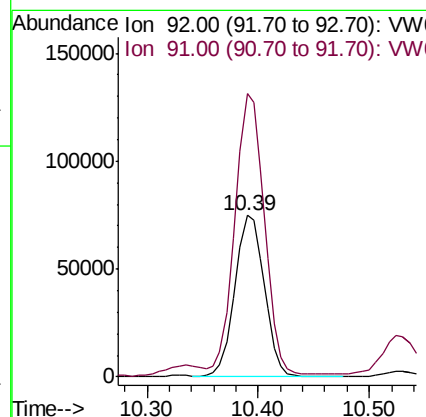
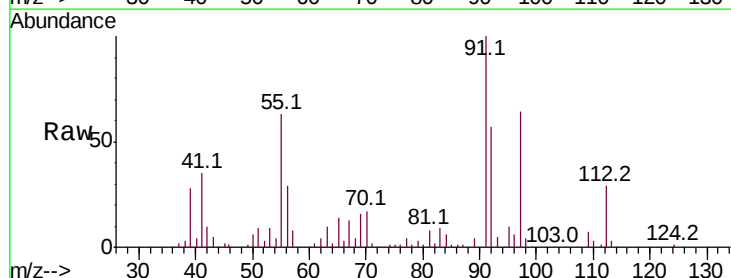
Acq: 20 Dec 2018 21:00

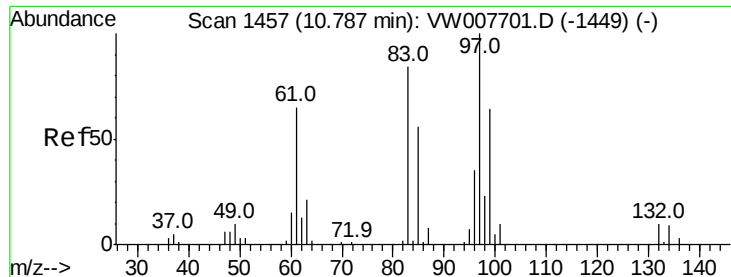
Tgt Ion: 92 Resp: 136637

Ion Ratio Lower Upper

92 100

91 176.8 137.0 205.4

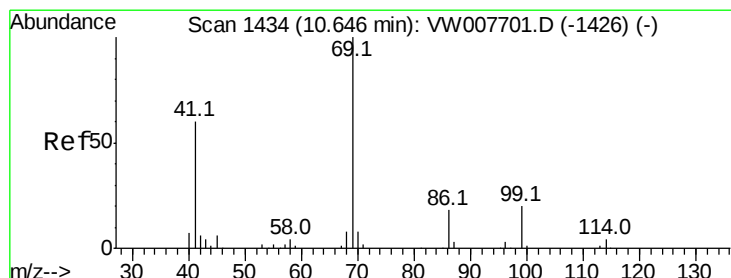
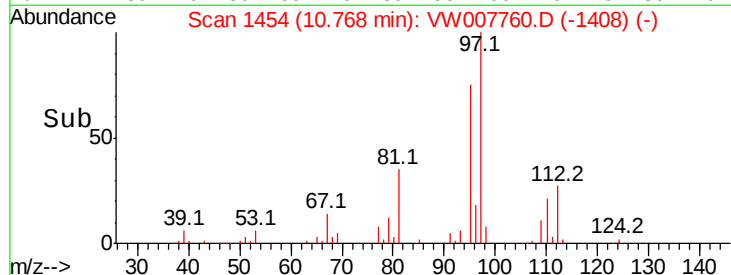
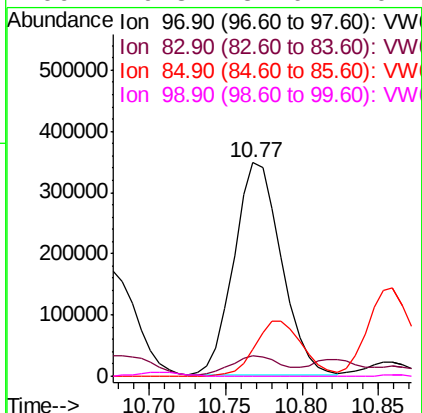
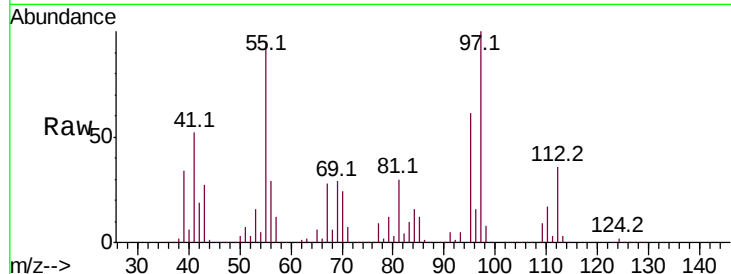




#55
 1,1,2-Trichloroethane
 Concen: 1281.411 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

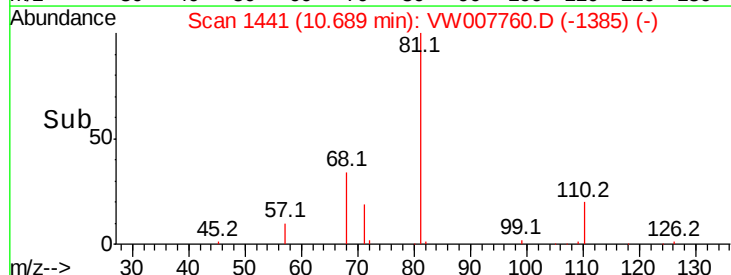
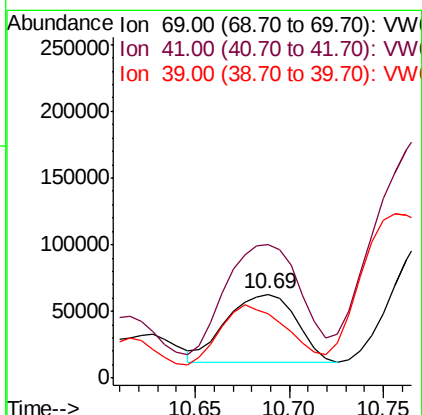
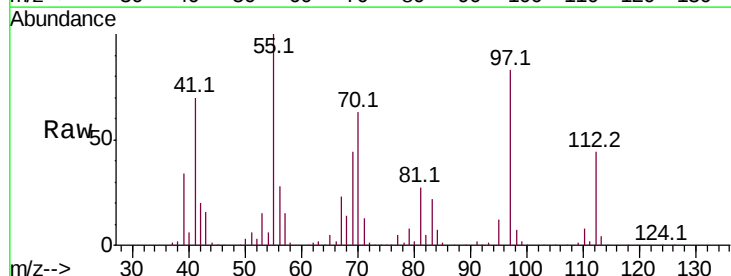
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

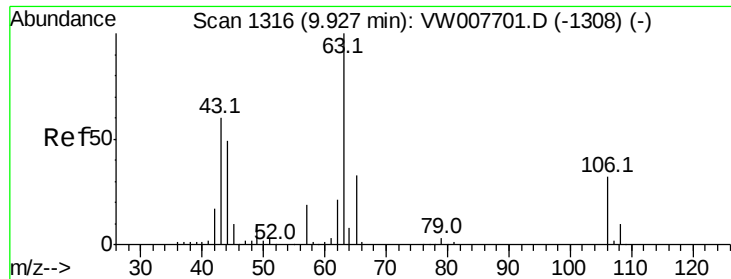
Tot Ion: 97 Resp: 742396
 Ion Ratio Lower Upper
 97 100
 83 8.7 67.5 101.3#
 85 12.4 44.8 67.2#
 99 0.3 51.0 76.4#



#56
 Ethyl methacrylate
 Concen: 191.883 ug/l
 RT: 10.69 min Scan# 1441
 Delta R.T. 0.04 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Tgt Ion: 69 Resp: 131347
 Ion Ratio Lower Upper
 69 100
 41 173.4 48.9 73.3#
 39 84.3 31.3 46.9#

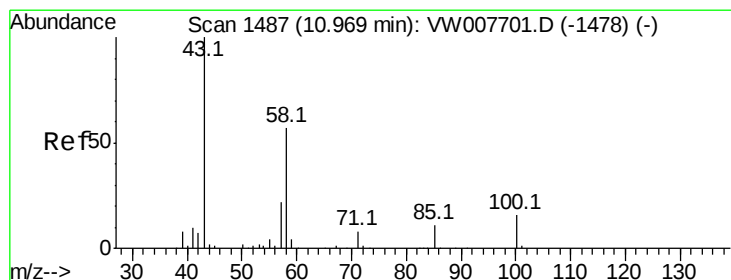
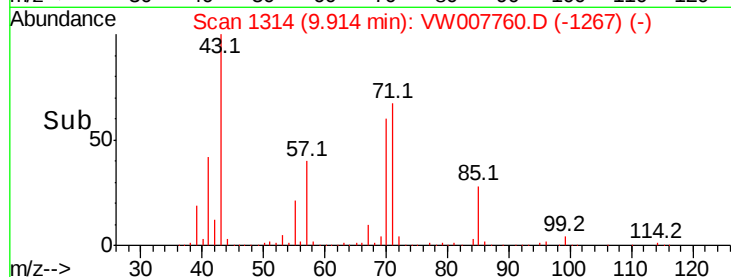
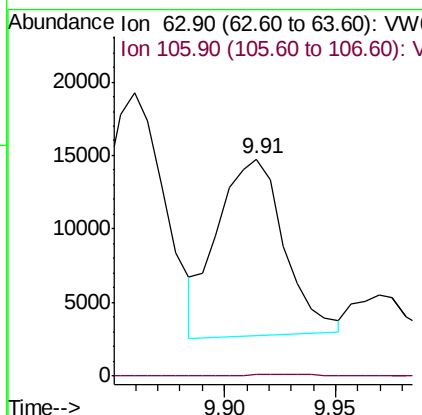
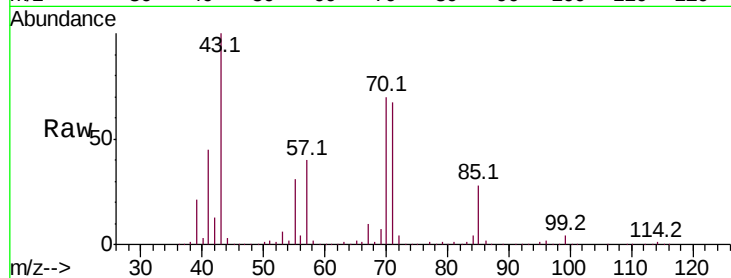




#58
2-Chloroethyl Vinyl ether
Concen: 80.190 ug/l
RT: 9.91 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

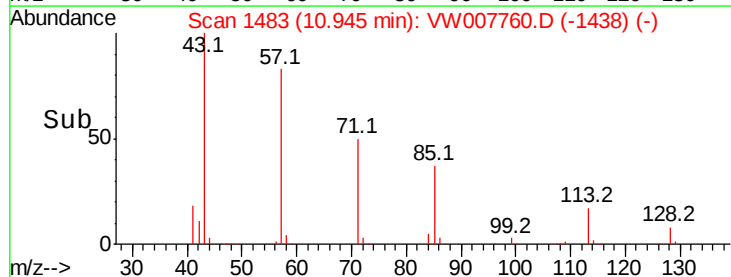
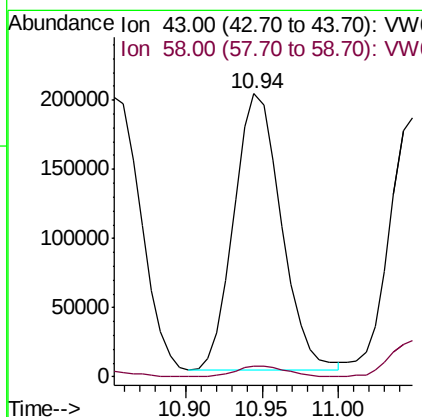
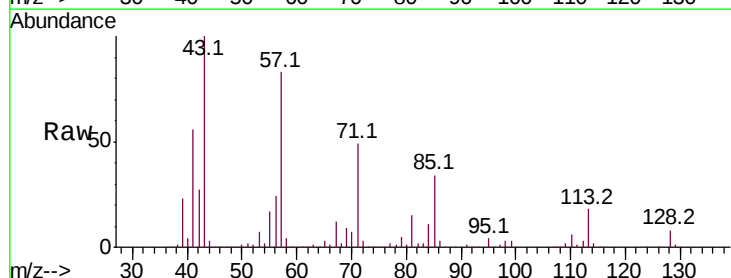
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

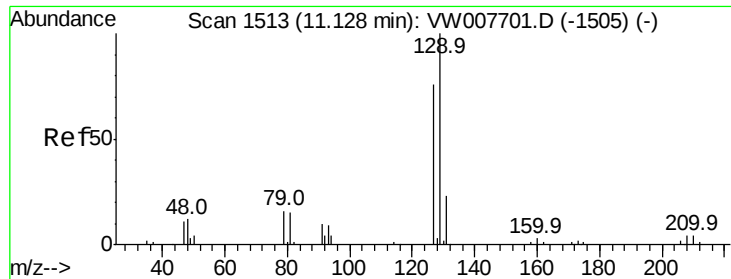
Tot Ion: 63 Resp: 25062
Ion Ratio Lower Upper
63 100
106 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 1630.286 ug/l
RT: 10.94 min Scan# 1483
Delta R.T. -0.02 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 43 Resp: 431966
Ion Ratio Lower Upper
43 100
58 4.4 27.7 83.1#





#60

Dibromochloromethane

Concen: 4.080 ug/l

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

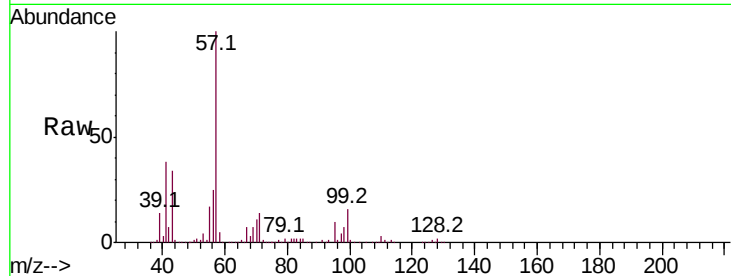
KY001SB106-121218-(20-22)

Tot Ion:129 Resp: 3130

Ion Ratio Lower Upper

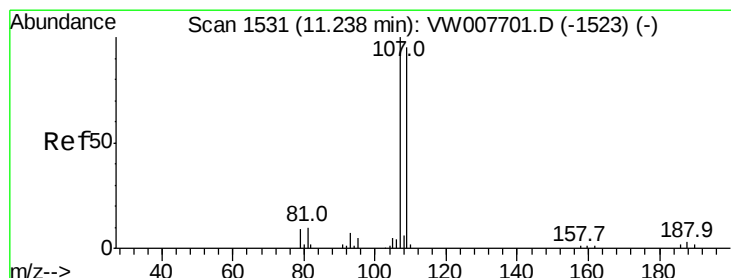
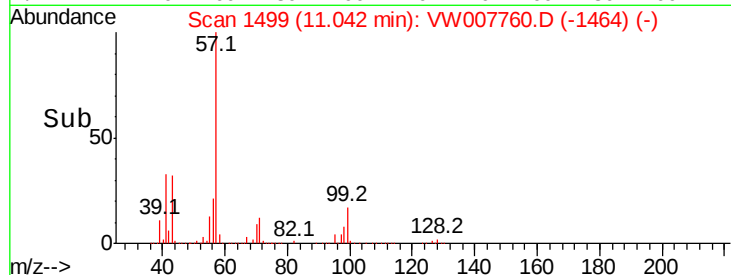
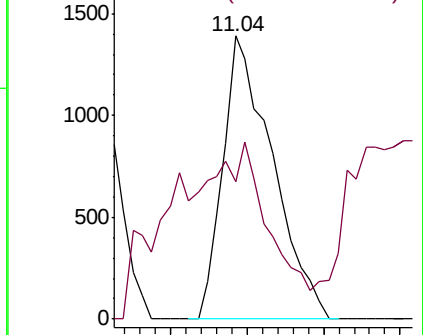
129 100

127 0.0 38.3 114.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 5.214 ug/l

RT: 11.21 min Scan# 1526

Delta R.T. -0.03 min

Lab File: VW007760.D

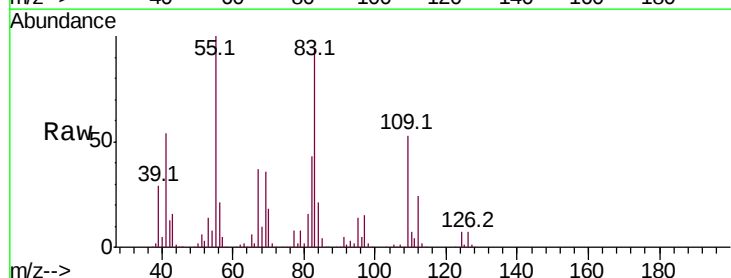
Acq: 20 Dec 2018 21:00

Tgt Ion:107 Resp: 3059

Ion Ratio Lower Upper

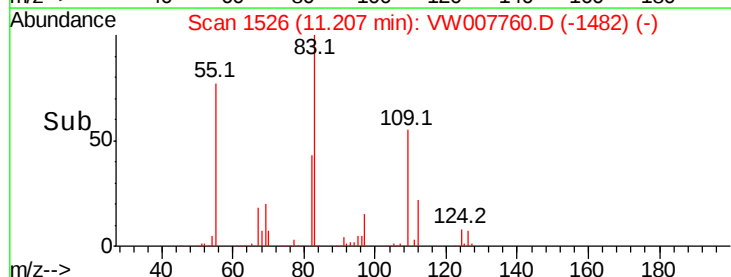
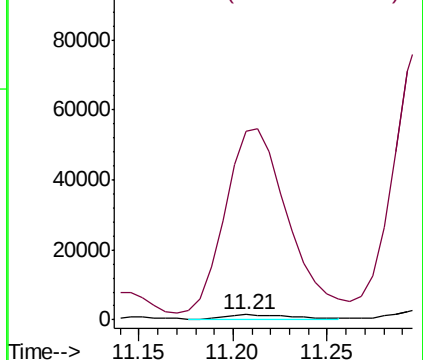
107 100

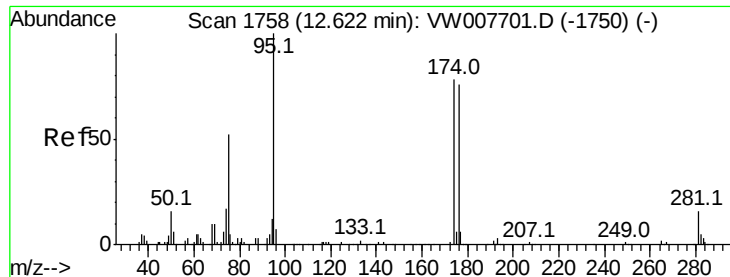
109 3951.7 75.4 113.0#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

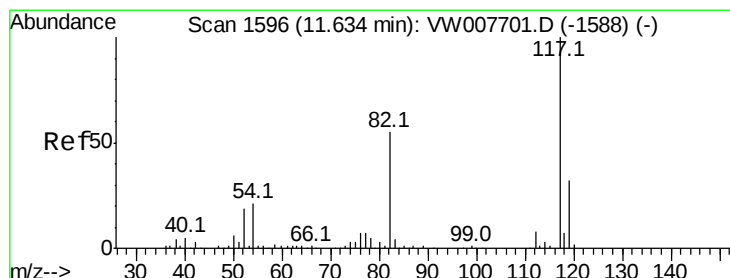
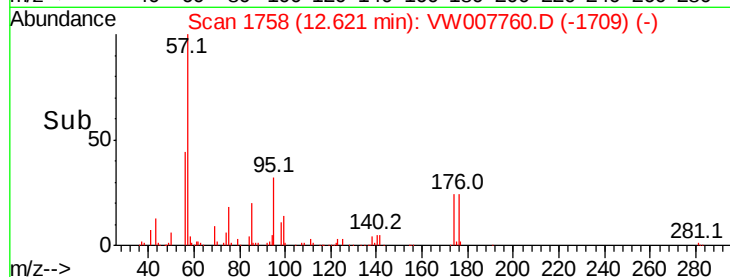
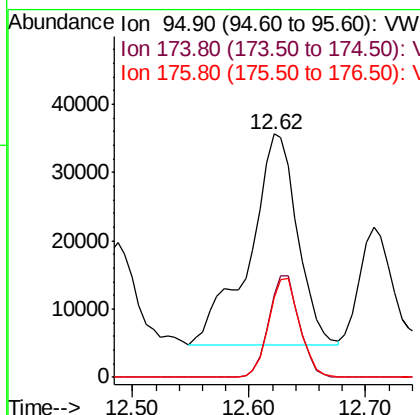
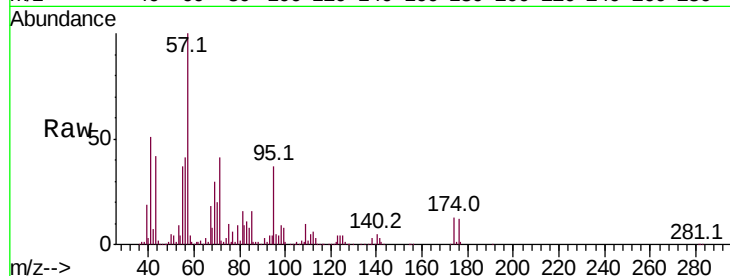




#62
4-Bromofluorobenzene
Concen: 83.084 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

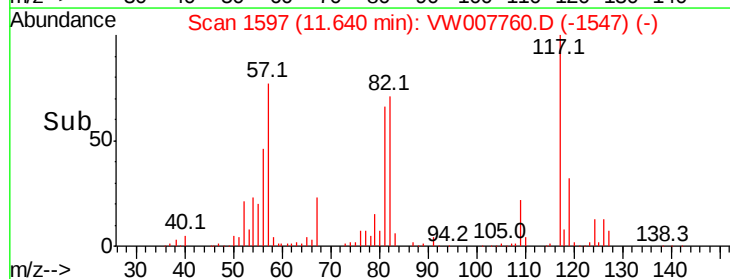
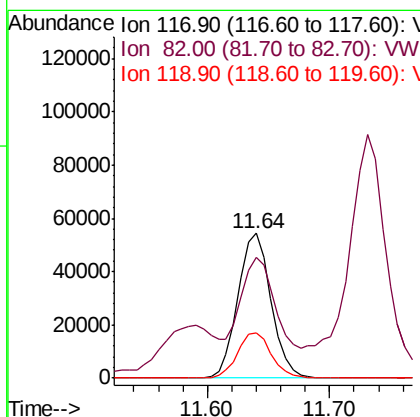
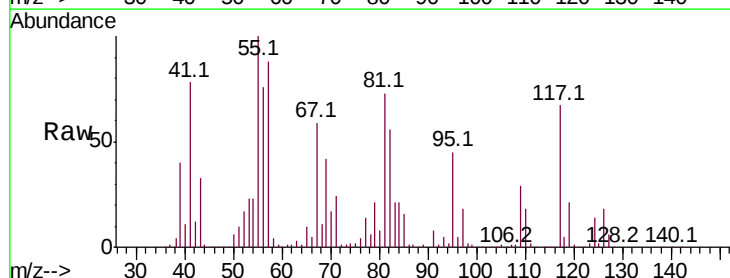
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

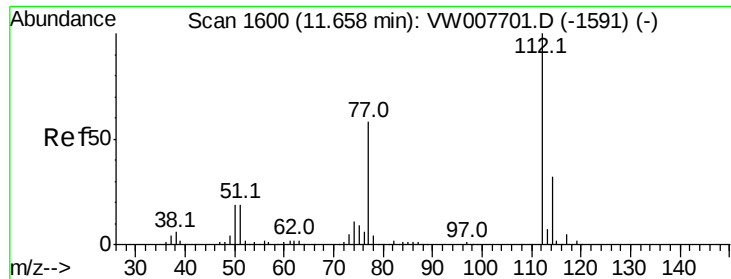
Tot Ion: 95 Resp: 88182
Ion Ratio Lower Upper
95 100
174 31.0 0.0 152.2
176 30.1 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 117 Resp: 101868
Ion Ratio Lower Upper
117 100
82 48.4 44.3 66.5
119 31.6 25.7 38.5

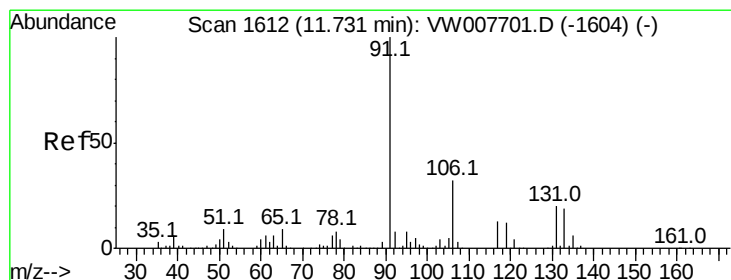
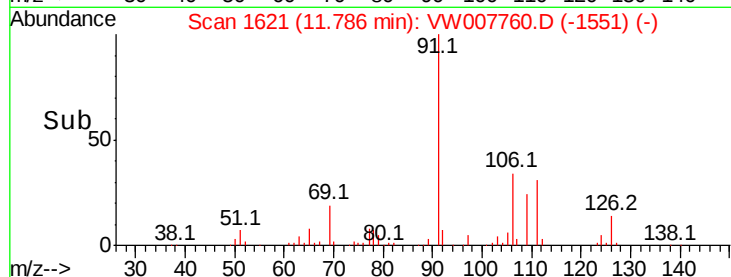
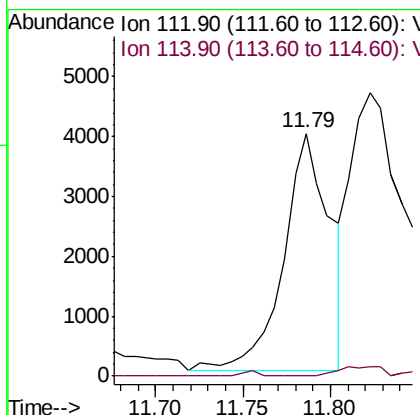
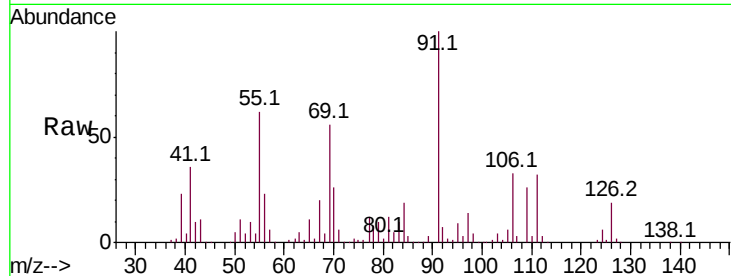




#65
Chlorobenzene
Concen: 3.330 ug/l
RT: 11.79 min Scan# 1621
Delta R.T. 0.13 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

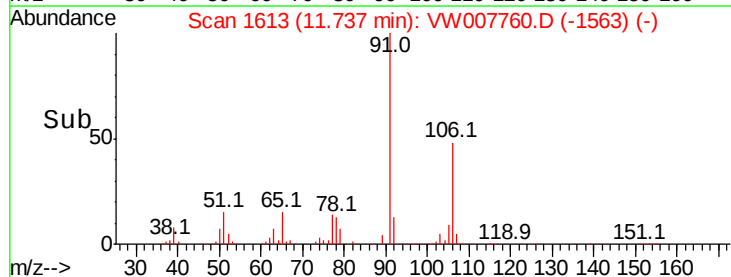
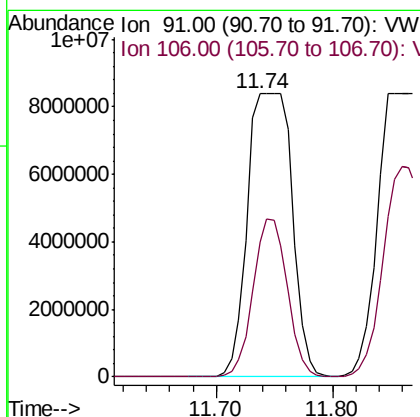
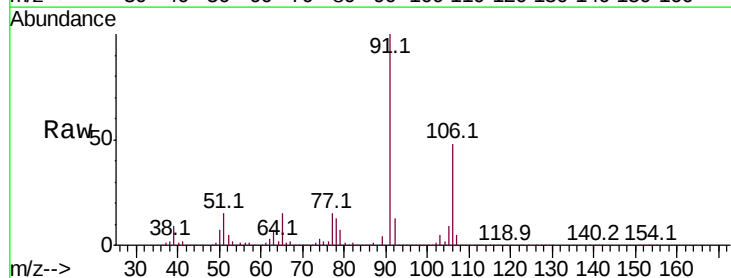
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

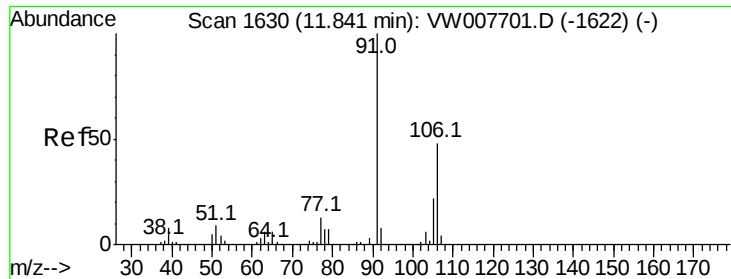
Tot Ion:112 Resp: 7343
Ion Ratio Lower Upper
112 100
114 0.0 25.2 37.8#



#67
Ethyl Benzene
Concen: 5908.613 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 91 Resp:22355396
Ion Ratio Lower Upper
91 100
106 47.5 25.8 38.8#

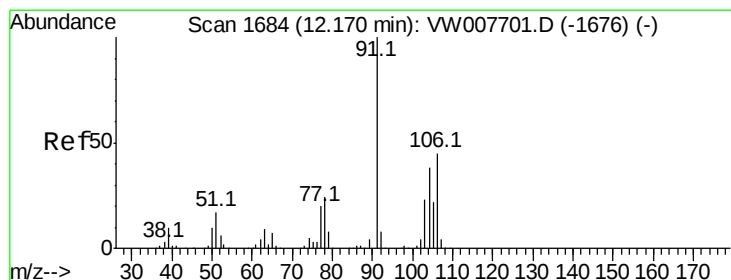
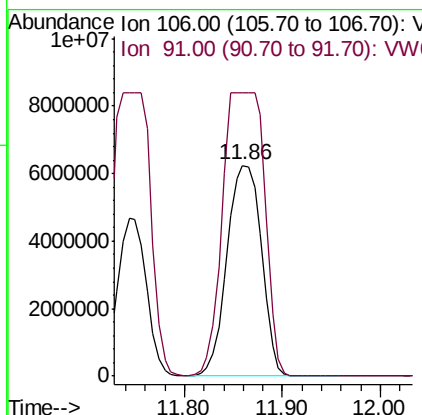
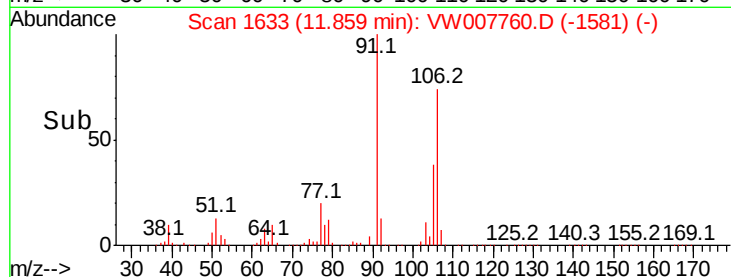
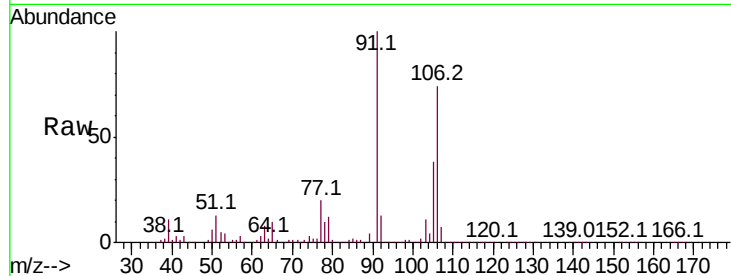




#68
m/p-Xylenes
Concen: 10382.900 ug/l
RT: 11.86 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

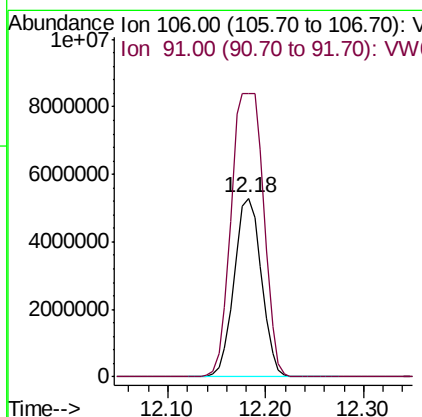
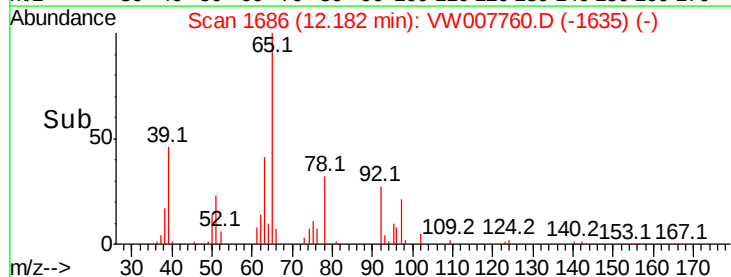
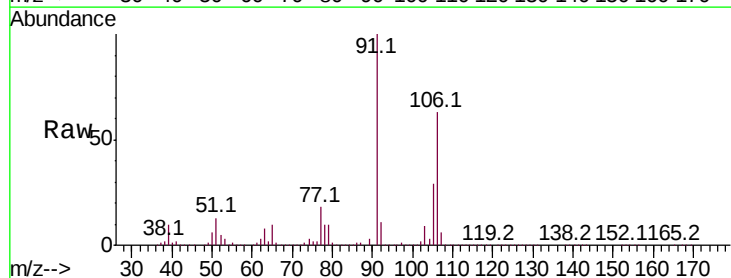
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

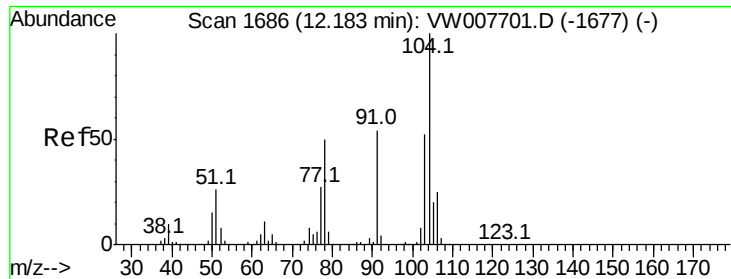
Tot Ion:106 Resp:15238829
Ion Ratio Lower Upper
106 100
91 0.0 165.2 247.8#



#69
o-Xylene
Concen: 7440.062 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion:106 Resp:10235789
Ion Ratio Lower Upper
106 100
91 189.4 110.5 331.4

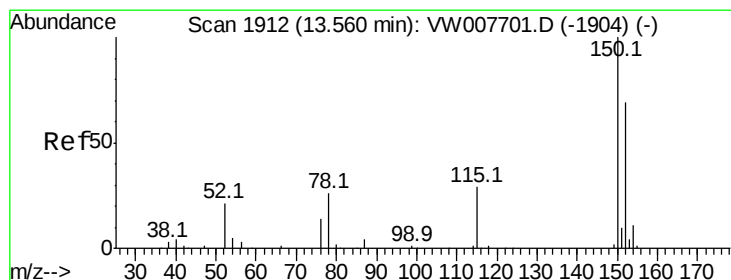
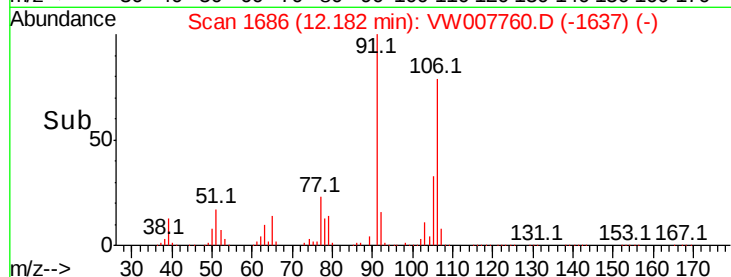
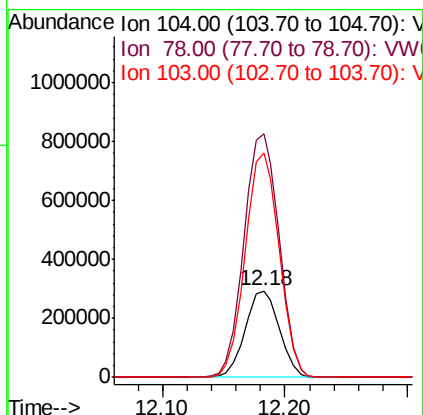
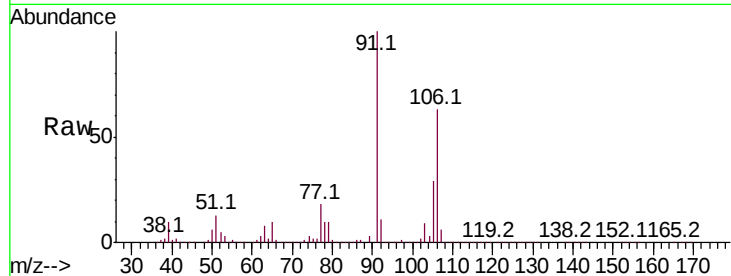




#70
Stvrene
Concen: 250.961 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

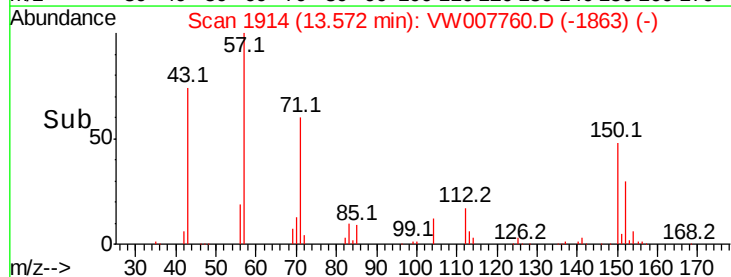
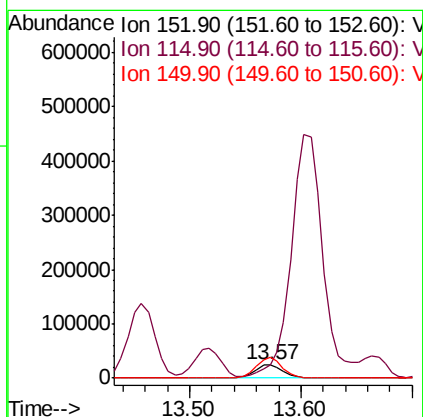
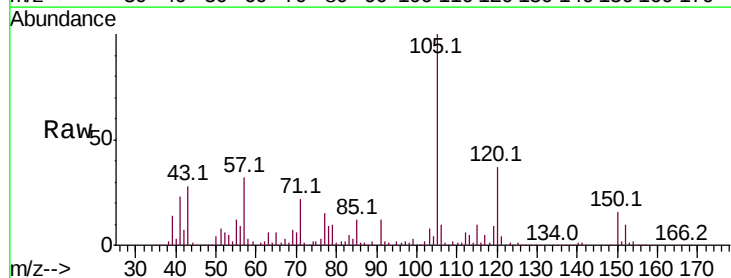
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

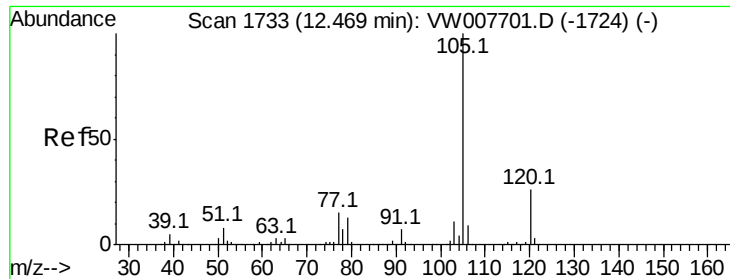
Tot Ion	Ratio	Lower	Upper
104	100		
78	289.6	43.4	65.0#
103	259.2	44.5	66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1914
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	31.8	95.4#
150	147.7	0.0	350.8





#73

Isopropylbenzene

Concen: 3749.679 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

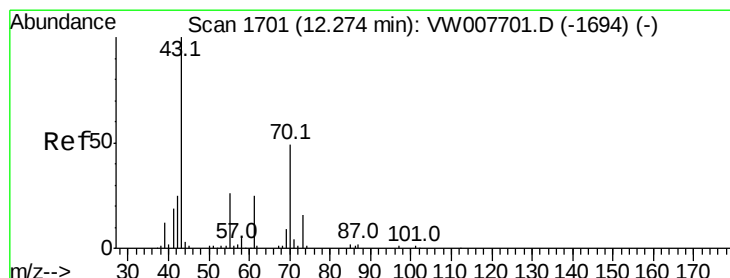
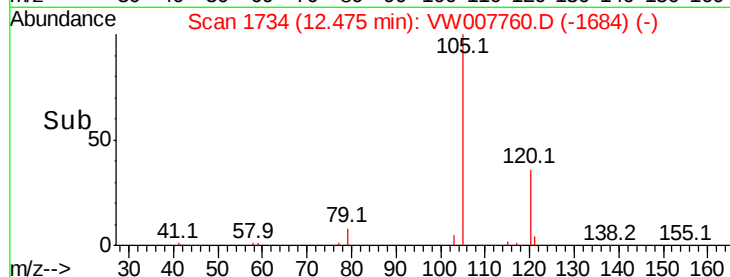
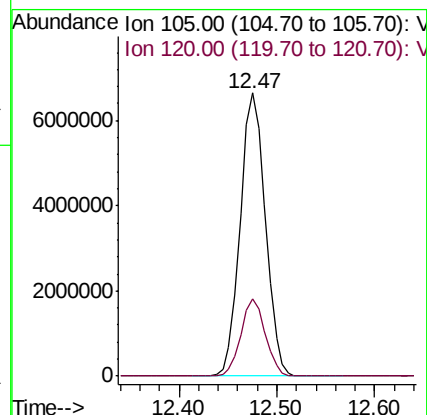
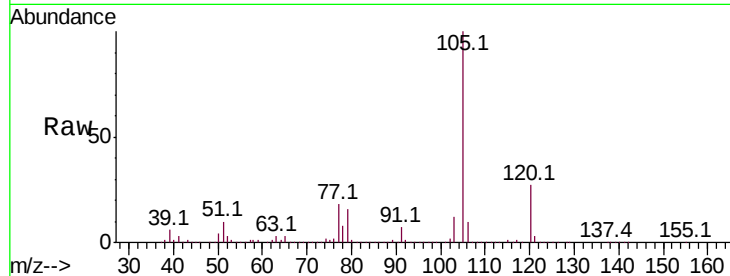
KY001SB106-121218-(20-22)

Tot Ion:105 Resp:11869080

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 300.190 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Tgt Ion: 43 Resp: 164590

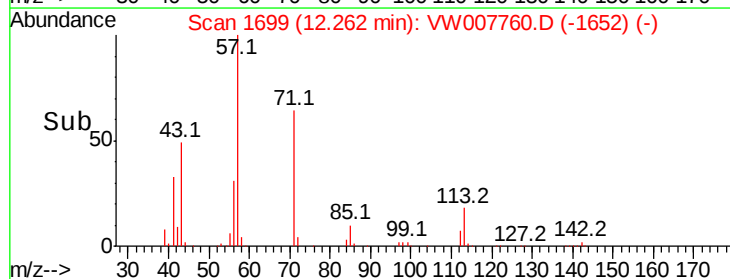
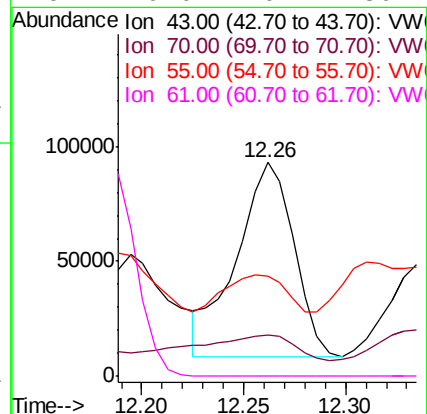
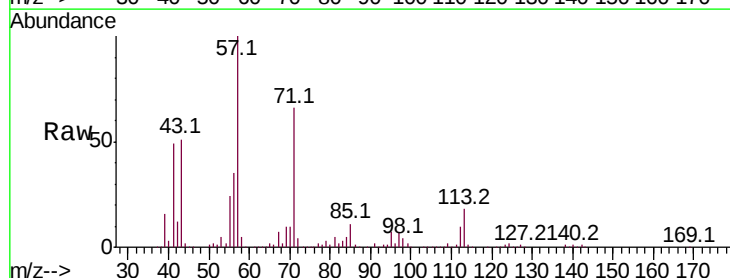
Ion Ratio Lower Upper

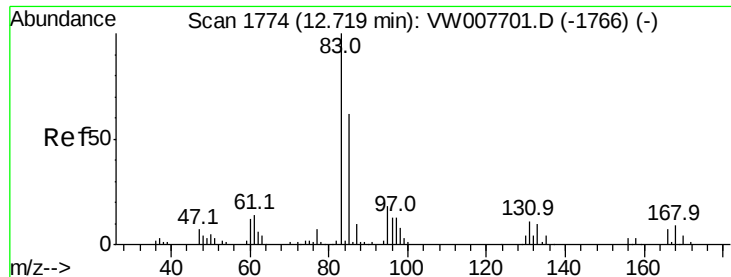
43 100

70 22.8 37.6 56.4#

55 19.3 21.7 32.5#

61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 63.338 ug/l

RT: 12.68 min Scan# 1767

Delta R.T. -0.04 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(20-22)

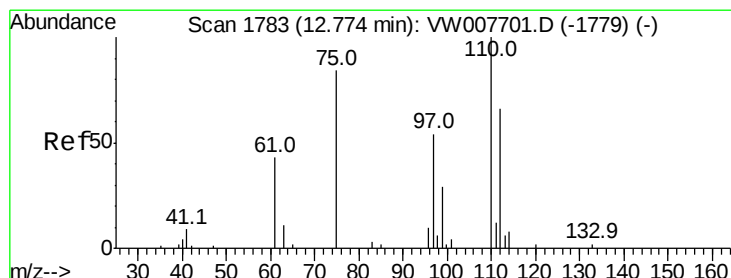
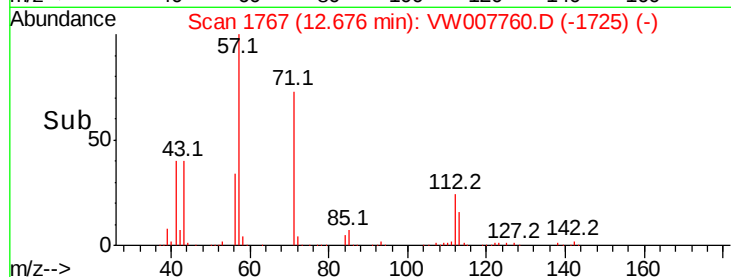
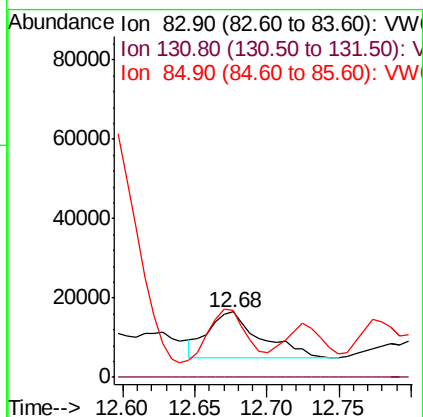
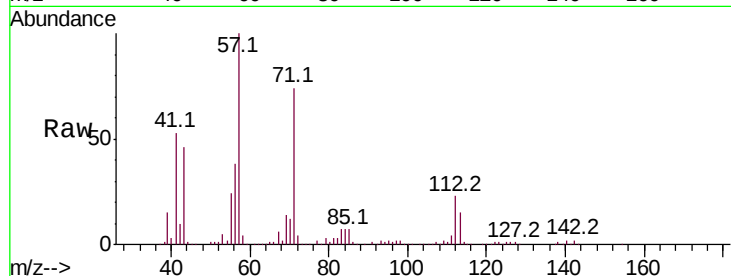
Tot Ion: 83 Resp: 30060

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

85 82.5 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 466.999 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.04 min

Lab File: VW007760.D

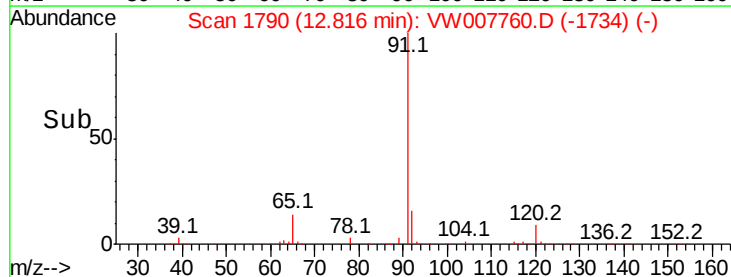
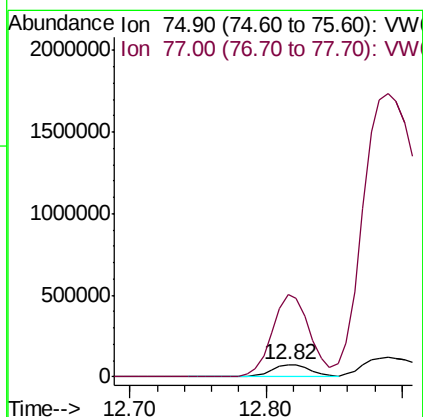
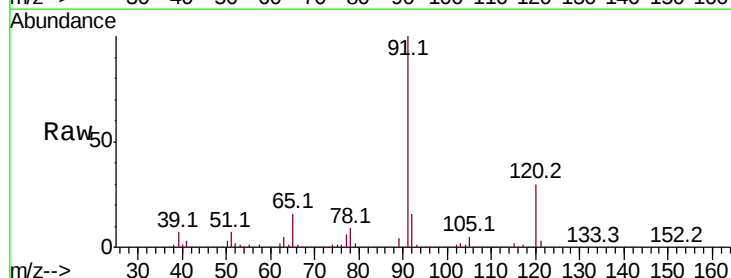
Acq: 20 Dec 2018 21:00

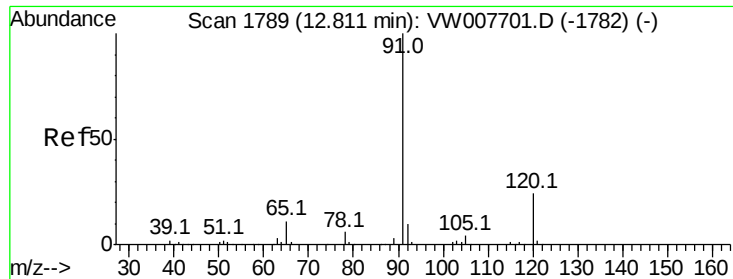
Tgt Ion: 75 Resp: 151150

Ion Ratio Lower Upper

75 100

77 634.0 0.0 0.0#

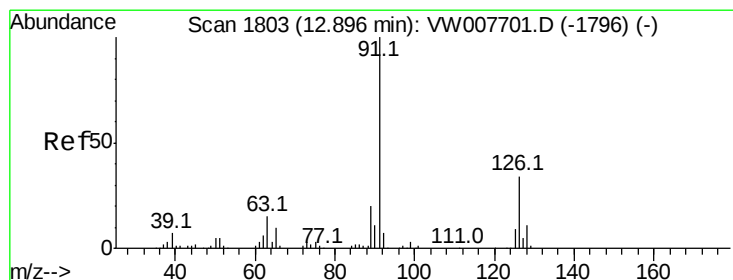
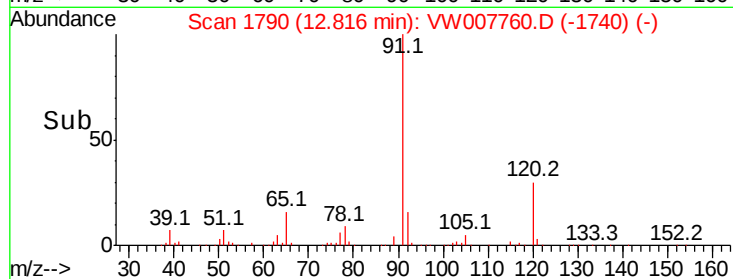
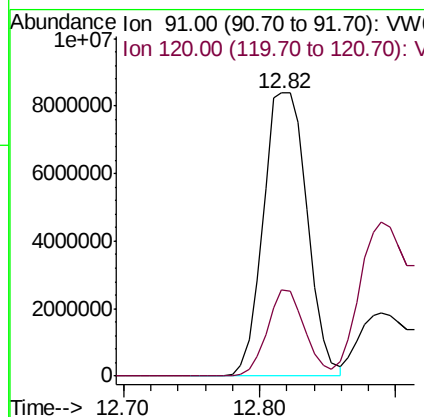
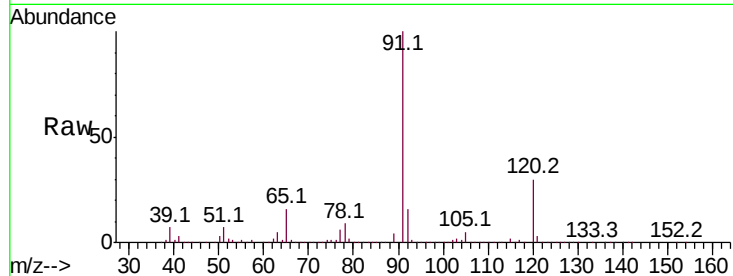




#78
 n-propylbenzene
 Concen: 5132.108 ug/l
 RT: 12.82 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

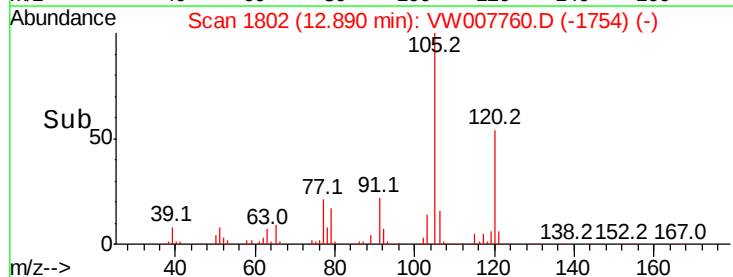
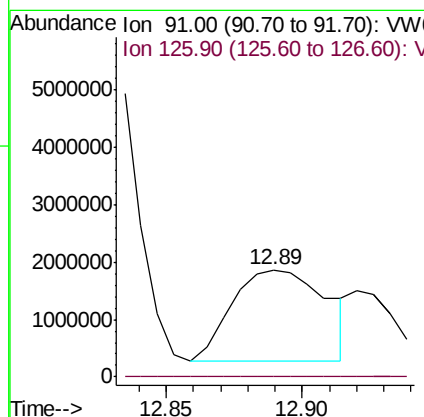
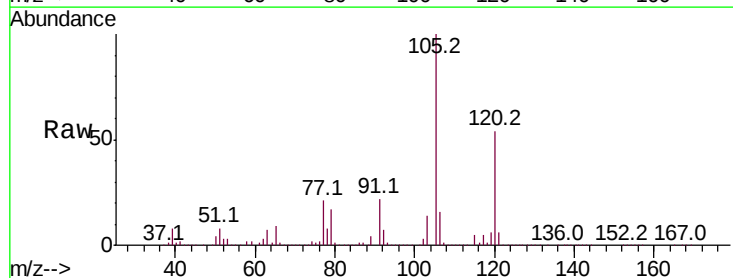
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

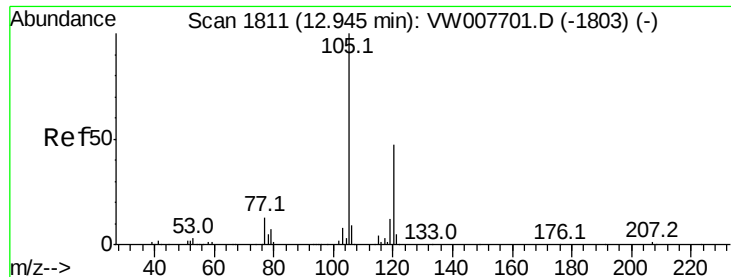
Tot Ion: 91 Resp:18910179
 Ion Ratio Lower Upper
 91 100
 120 26.2 11.9 35.7



#79
 2-Chlorotoluene
 Concen: 1764.646 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Tgt Ion: 91 Resp: 3787819
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.0 51.0#





#80

1,3,5-Trimethylbenzene

Concen: 6343.441 ug/l

RT: 12.96 min Scan# 1814

Delta R.T. 0.02 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

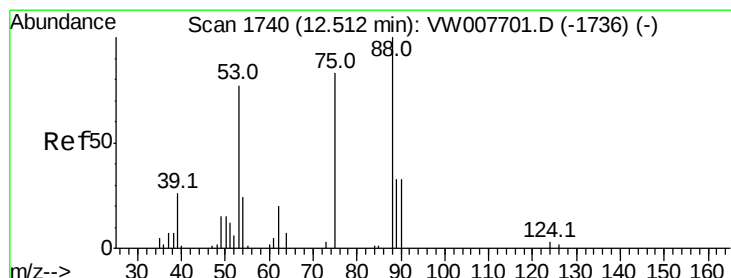
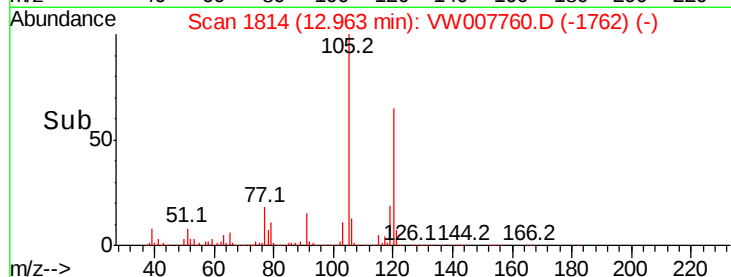
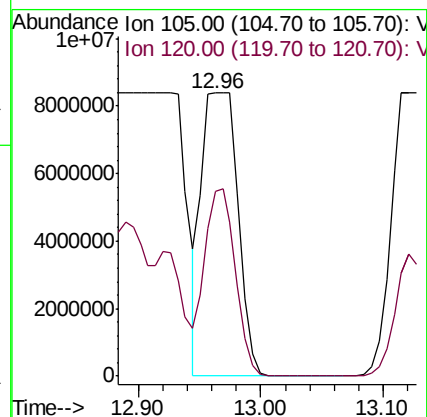
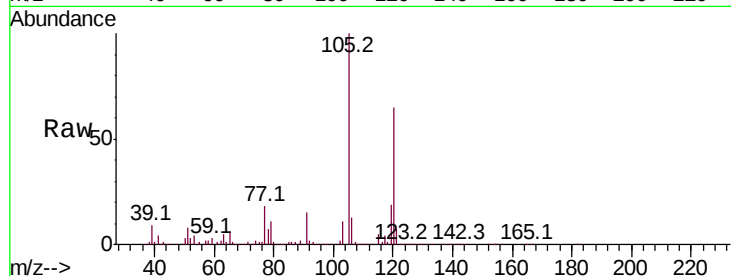
KY001SB106-121218-(20-22)

Tot Ion:105 Resp:17319812

Ion Ratio Lower Upper

105 100

120 56.1 23.6 70.8



#81

trans-1,4-Dichloro-2-butene

Concen: 1032.453 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. -0.04 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

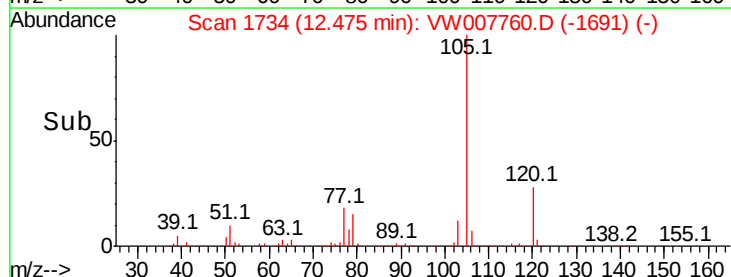
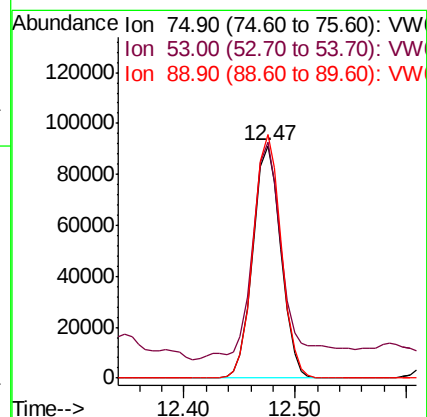
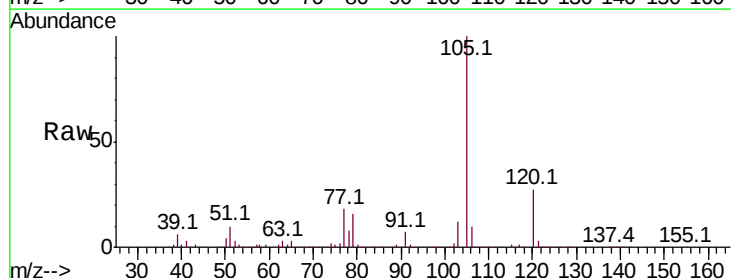
Tgt Ion: 75 Resp: 159197

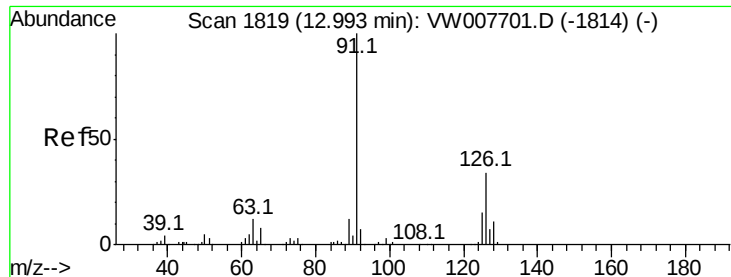
Ion Ratio Lower Upper

75 100

53 106.4 80.2 120.2

89 105.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 991.652 ug/l

RT: 12.96 min Scan# 1814

Delta R.T. -0.03 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

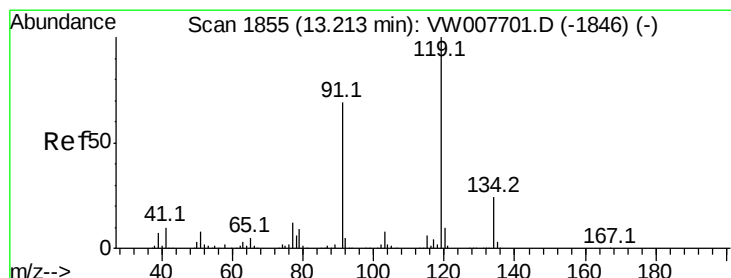
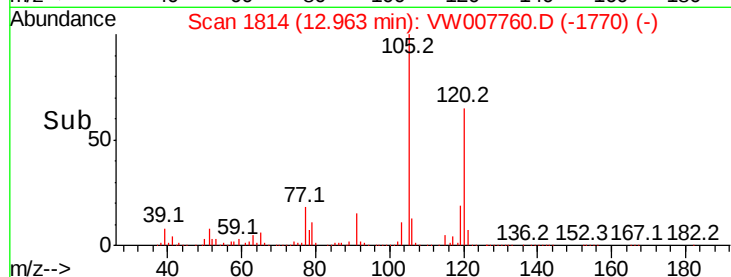
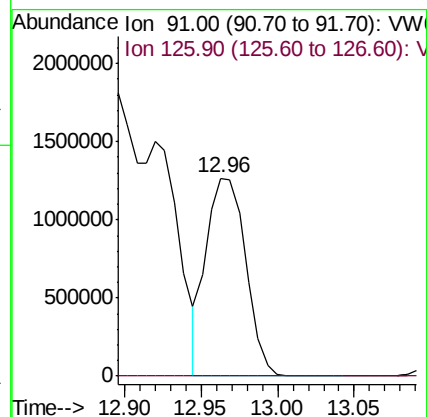
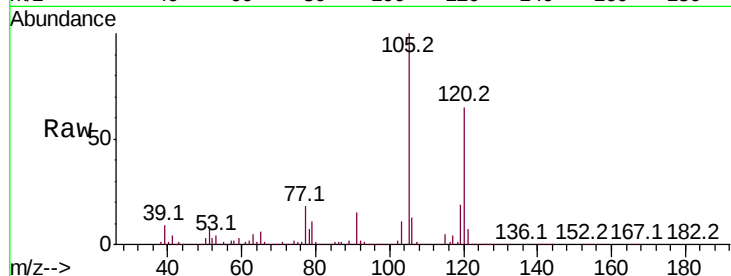
KY001SB106-121218-(20-22)

Tot Ion: 91 Resp: 2266441

Ion Ratio Lower Upper

91 100

126 0.1 16.5 49.5#



#83

tert-Butylbenzene

Concen: 2574.966 ug/l

RT: 13.28 min Scan# 1866

Delta R.T. 0.07 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

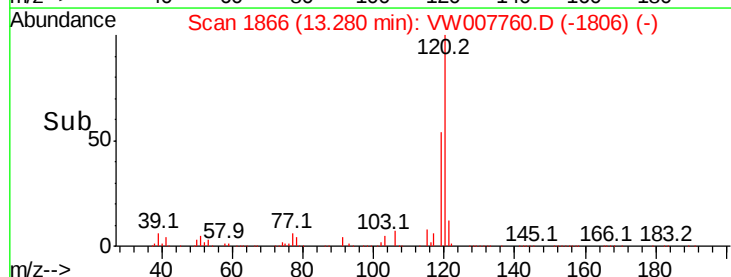
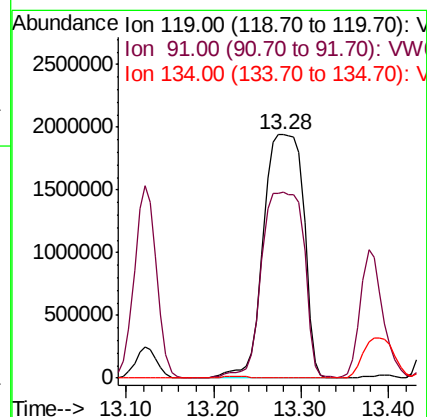
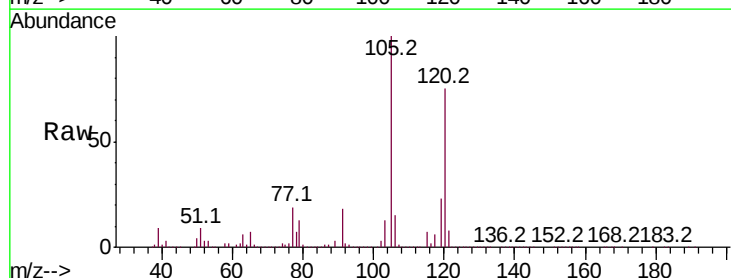
Tgt Ion: 119 Resp: 6168773

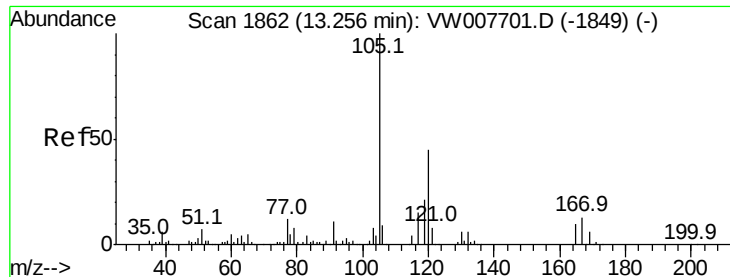
Ion Ratio Lower Upper

119 100

91 79.9 34.2 102.5

134 0.0 12.8 38.4#





#84

1,2,4-Trimethylbenzene

Concen: 6460.467 ug/l

RT: 13.12 min Scan# 1839

Delta R.T. -0.14 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

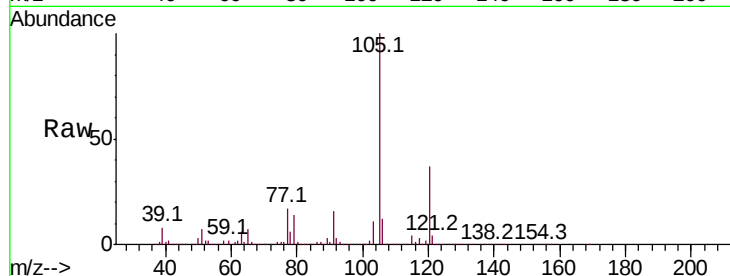
KY001SB106-121218-(20-22)

Tot Ion:105 Resp:17799072

Ion Ratio Lower Upper

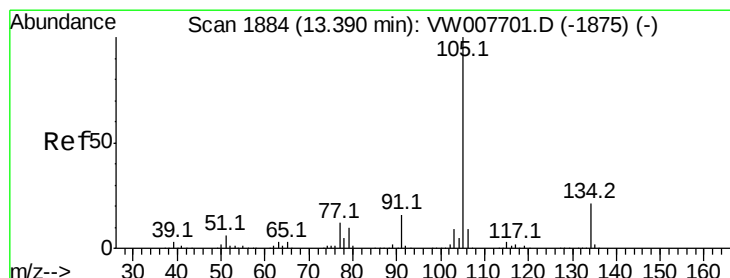
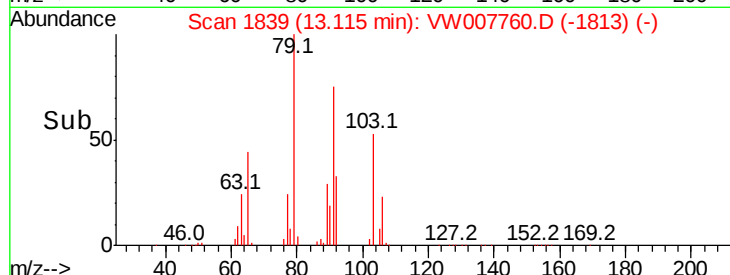
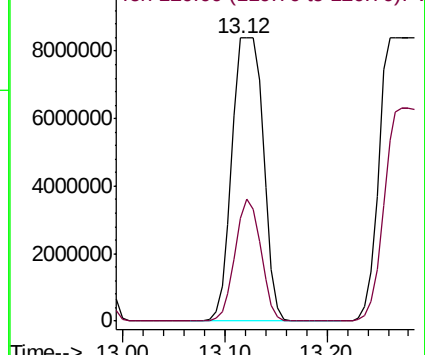
105 100

120 35.4 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: 590.523 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW007760.D

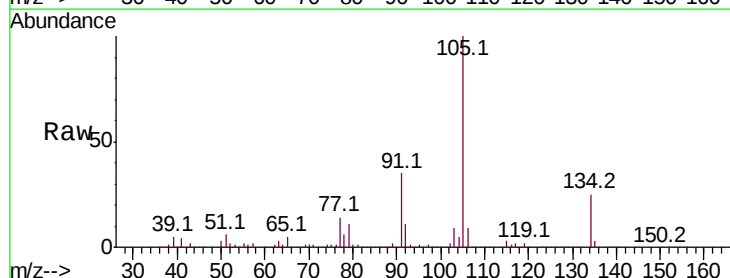
Acq: 20 Dec 2018 21:00

Tgt Ion:105 Resp: 1949711

Ion Ratio Lower Upper

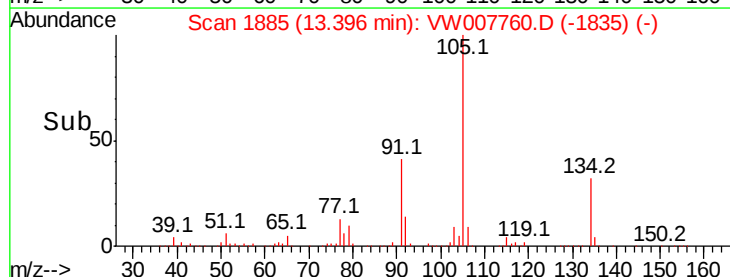
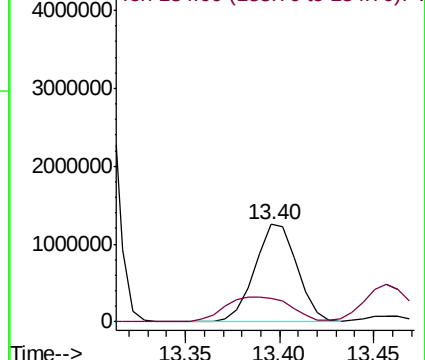
105 100

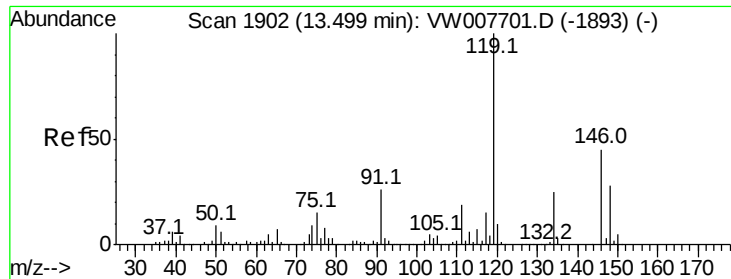
134 40.1 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

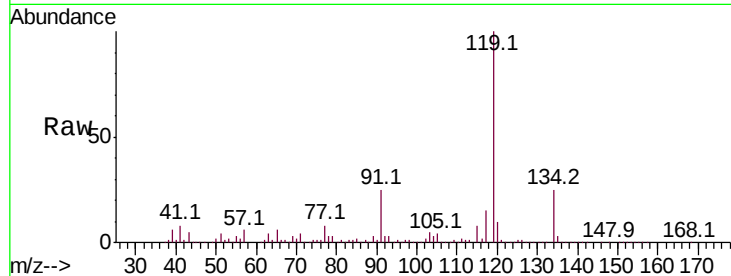




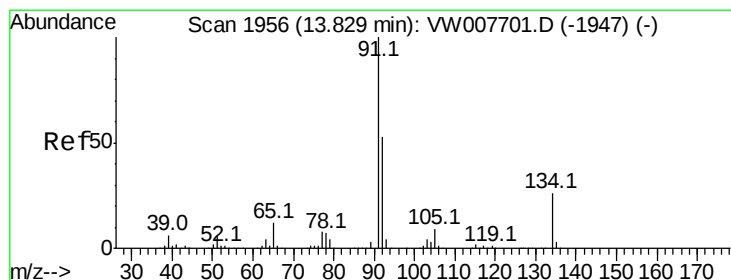
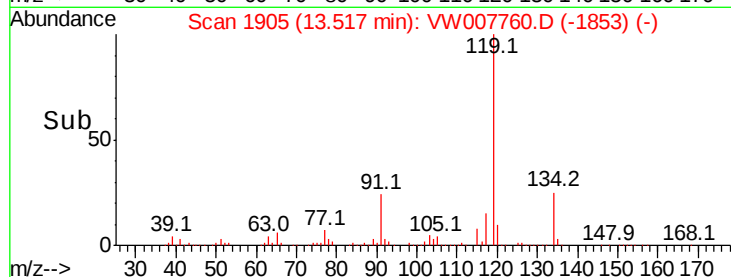
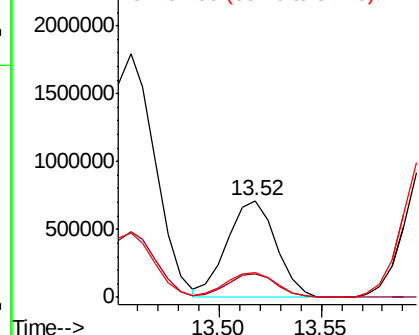
#86
p-Isopropyltoluene
Concen: 392.391 ug/l
RT: 13.52 min Scan# 1905
Delta R.T. 0.02 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(20-22)

Tot Ion:119 Resp: 1178057
Ion Ratio Lower Upper
119 100
134 25.1 13.0 39.0
91 25.7 12.8 38.4

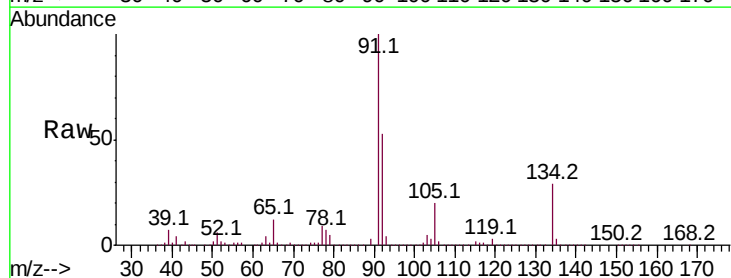


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

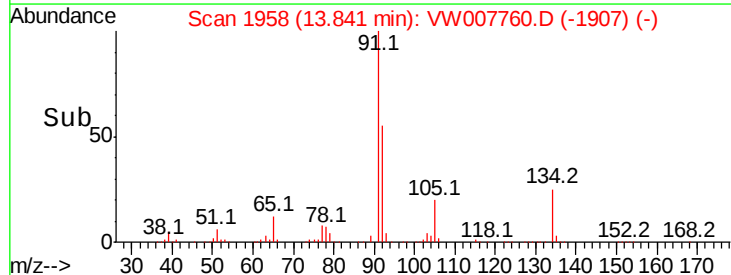
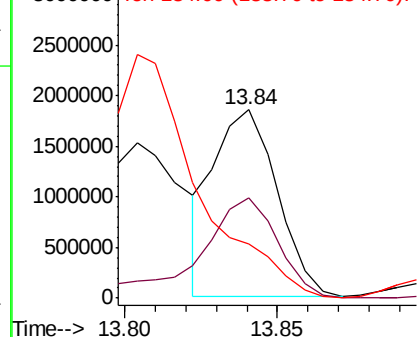


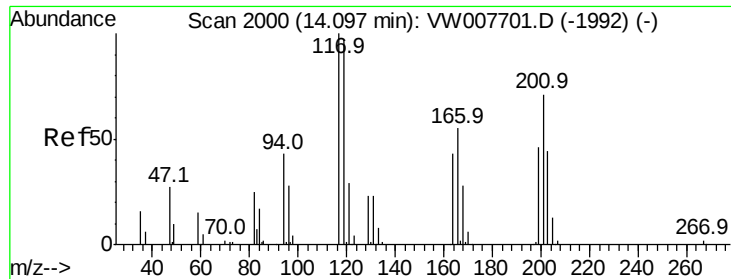
#89
n-Butylbenzene
Concen: 958.483 ug/l
RT: 13.84 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VW007760.D
Acq: 20 Dec 2018 21:00

Tgt Ion: 91 Resp: 2638412
Ion Ratio Lower Upper
91 100
92 66.1 26.4 79.2
134 0.0 13.7 41.0#



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2055.316 ug/l

RT: 14.11 min Scan# 2003

Delta R.T. 0.02 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

Instrument :

MSVOA_W

ClientSampleId :

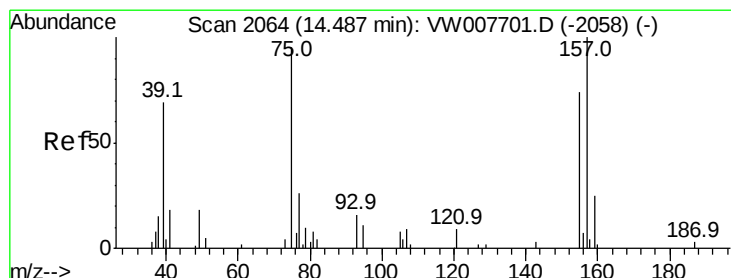
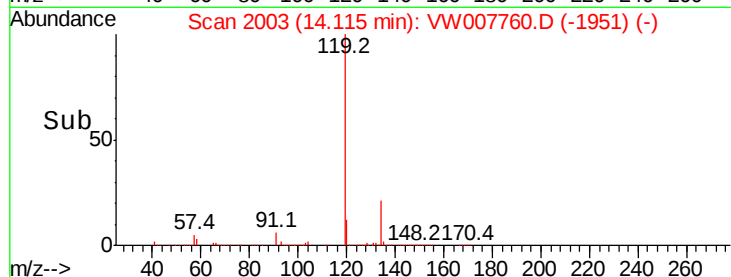
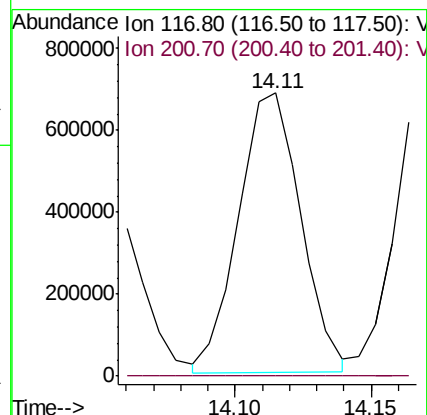
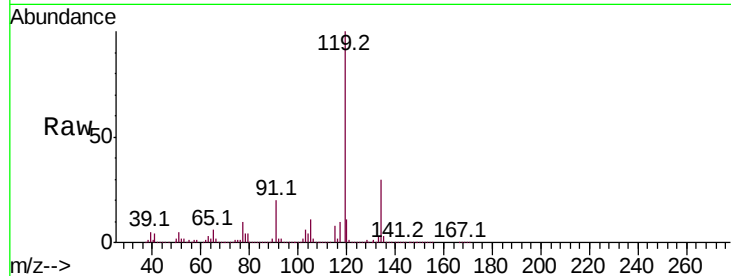
KY001SB106-121218-(20-22)

Tot Ion:117 Resp: 1083313

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 649.323 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW007760.D

Acq: 20 Dec 2018 21:00

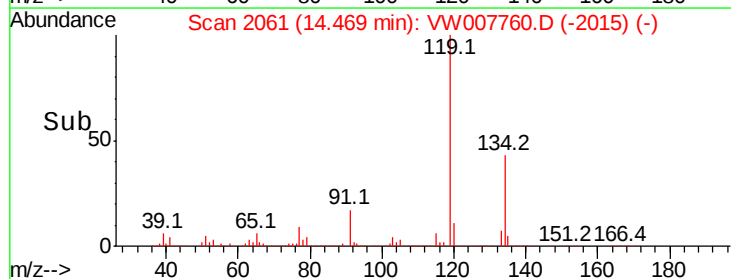
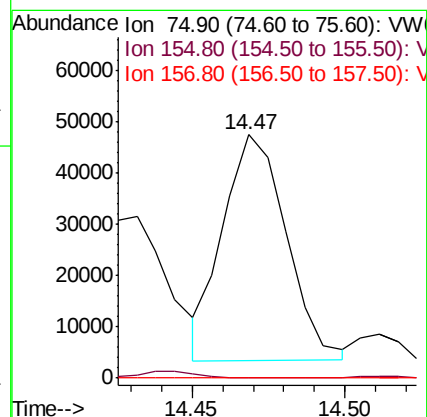
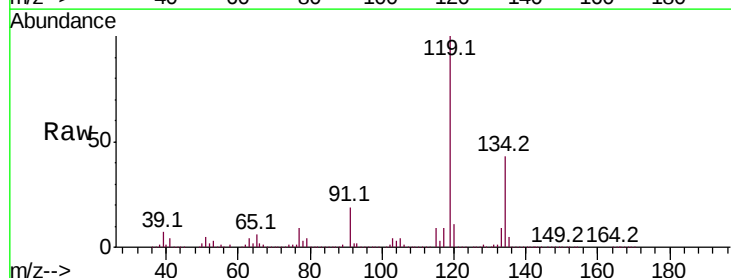
Tgt Ion: 75 Resp: 63286

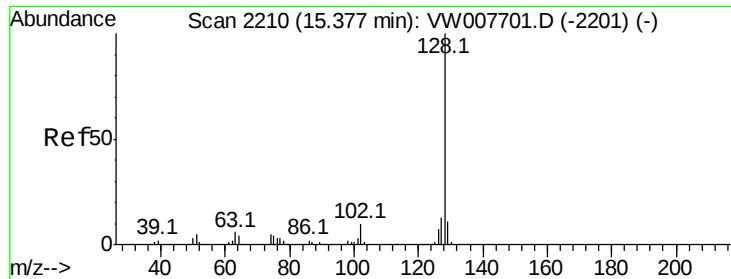
Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

157 0.0 52.0 156.0#





#95
 Naphthalene
 Concen: 5626.379 ug/l
 RT: 15.38 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: VW007760.D
 Acq: 20 Dec 2018 21:00

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(20-22)

Tot Ion:128 Resp: 9311576
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.7 16.1
 129 11.4 8.8 13.2

