

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008884.D
 Acq On : 28 Feb 2019 13:47
 Operator : SY/VA
 Sample : K1594-38RE
 Misc : 6.73G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(7.5-8.5)RE

Quant Time: Mar 01 05:59:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	398885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	749643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	738559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	349535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	196574	52.54	ug/l	0.00
Spiked Amount						
			Recovery	=	105.08%	
35) Dibromofluoromethane	7.88	113	165204	36.70	ug/l	0.00
Spiked Amount						
			Recovery	=	73.40%	
50) Toluene-d8	10.32	98	2077488	119.57	ug/l	0.00
Spiked Amount						
			Recovery	=	239.14%	
62) 4-Bromofluorobenzene	12.62	95	596482	87.68	ug/l	0.00
Spiked Amount						
			Recovery	=	175.36%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.13	59	6233	18.714	ug/l #	70
13) Acrolein	4.10	56	89724	254.971	ug/l #	78
15) Acrylonitrile	5.43	53	316835	358.080	ug/l #	41
16) Acetone	4.10	43	289703	334.077	ug/l #	57
20) Methylene Chloride	4.92	84	56052	8.924	ug/l #	1
23) Vinyl Acetate	6.29	43	38147	5.135	ug/l #	80
24) 1,1-Dichloroethane	6.29	63	13898	1.995	ug/l #	82
25) 2-Butanone	7.16	43	209464	172.772	ug/l #	56
29) Tetrahydrofuran	7.52	42	17459	22.598	ug/l #	35
30) Chloroform	7.63	83	487595	68.213	ug/l #	18
31) Cyclohexane	7.93	56	10564802	1497.907	ug/l #	43
37) Ethyl Acetate	7.16	43	209464	61.727	ug/l #	76
38) Carbon Tetrachloride	7.95	117	41630	5.409	ug/l #	17
39) Methylcyclohexane	9.34	83	20044049	2202.140	ug/l #	78
41) Methacrylonitrile	7.52	41	157359	78.890	ug/l #	58
42) 1,2-Dichloroethane	8.43	62	34727	5.502	ug/l #	1
43) Isopropyl Acetate	8.43	43	3850851	568.592	ug/l #	53
45) 1,2-Dichloropropane	9.39	63	49200	9.993	ug/l #	1
47) Bromodichloromethane	9.62	83	1422588	213.501	ug/l #	26
48) Methyl methacrylate	9.48	41	3256137	1003.843	ug/l #	31
51) 4-Methyl-2-Pentanone	10.26	43	6491998	1888.068	ug/l #	81
52) Toluene	10.38	92	19385	1.434	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	6473193	1742.911	ug/l #	28
56) Ethyl methacrylate	10.67	69	1258900	260.896	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.91	63	285406	117.603	ug/l #	45
59) 2-Hexanone	10.94	43	4629492	1891.423	ug/l #	32
60) Dibromochloromethane	11.04	129	25856	5.708	ug/l	72
61) 1,2-Dibromoethane	11.20	107	24627	6.699	ug/l #	1
65) Chlorobenzene	11.56	112	35260	2.270	ug/l #	41
67) Ethyl Benzene	11.73	91	9757005	351.453	ug/l	99
68) m/p-Xylenes	11.85	106	3075320	277.248	ug/l	99
69) o-Xylene	12.16	106	82743	7.947	ug/l	59
73) Isopropylbenzene	12.47	105	11569290	482.817	ug/l	98
74) N-amyl acetate	12.26	43	1720106	284.980	ug/l #	59

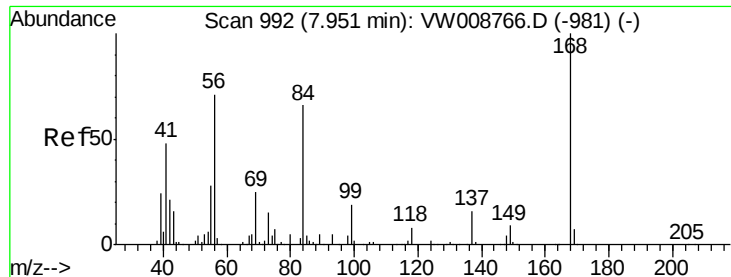
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
75) 1,1,2,2-Tetrachloroethane	12.70	83	84617	21.612	ug/l	#	1
76) 1,2,3-Trichloropropane	12.81	75	381750	132.282	ug/l	#	100
78) n-propylbenzene	12.90	91	5421783	184.974	ug/l	#	1
79) 2-Chlorotoluene	12.90	91	5421783	325.796	ug/l	#	41
80) 1,3,5-Trimethylbenzene	12.95	105	10532920	505.819	ug/l		98
81) trans-1,4-Dichloro-2-buten	12.47	75	150925	127.140	ug/l	#	52
82) 4-Chlorotoluene	12.95	91	1238099	70.599	ug/l	#	43
83) tert-Butylbenzene	13.26	119	10583546	587.802	ug/l	#	63
84) 1,2,4-Trimethylbenzene	13.11	105	8310052	385.515	ug/l		77
85) sec-Butylbenzene	13.39	105	5792652	223.742	ug/l	#	61
86) p-Isopropyltoluene	13.51	119	2737637	115.346	ug/l		98
89) n-Butylbenzene	13.83	91	14486010	651.489	ug/l	#	71
90) Hexachloroethane	14.11	117	4664975	1200.644	ug/l	#	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29868	42.171	ug/l	#	4
95) Naphthalene	15.37	128	9847037	766.797	ug/l		98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

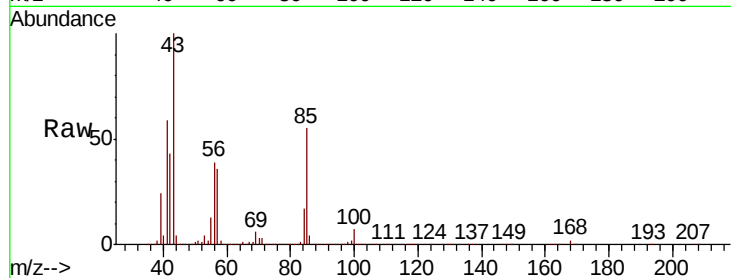
B-8(7.5-8.5)RE

Tot Ion:168 Resp: 398885

Ion Ratio Lower Upper

168 100

99 70.5 42.2 63.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

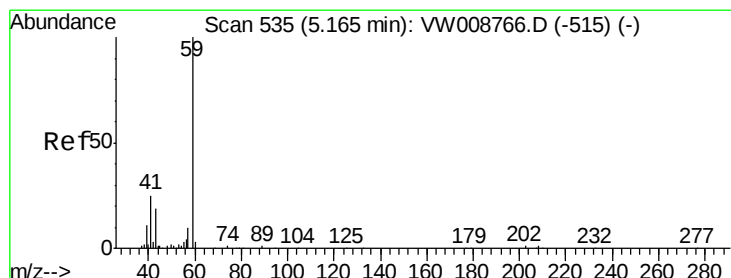
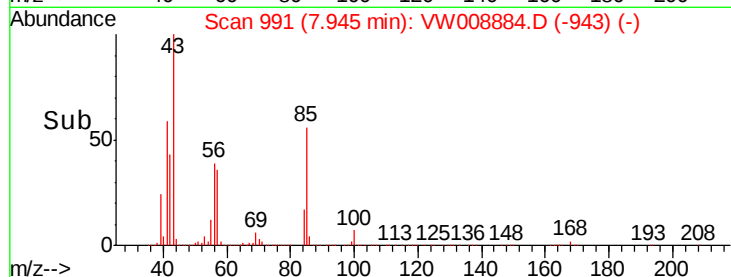
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 18.714 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008884.D

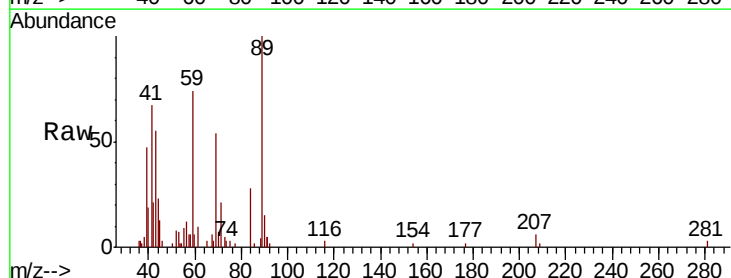
Acq: 28 Feb 2019 13:47

Tgt Ion: 59 Resp: 6233

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

150000

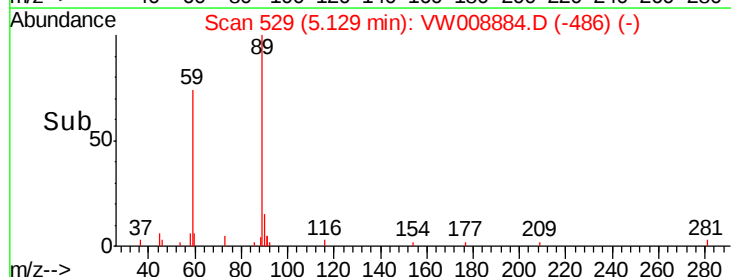
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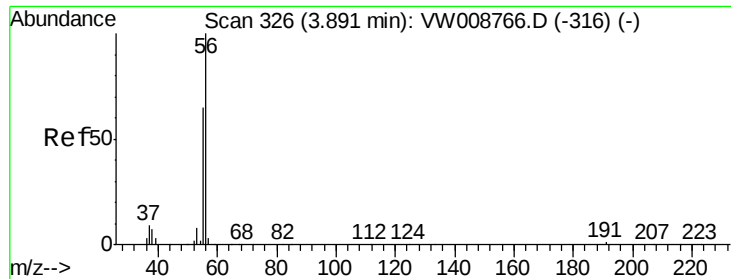
50000

0

5.00 5.05 5.10 5.15

Time-->

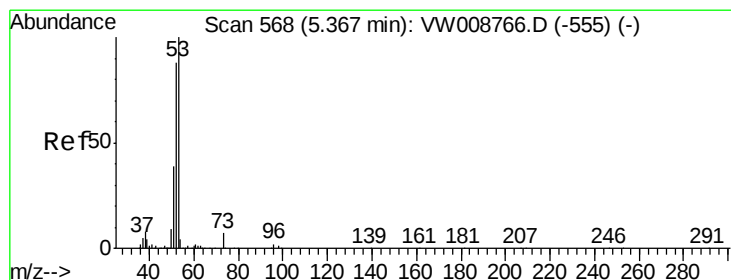
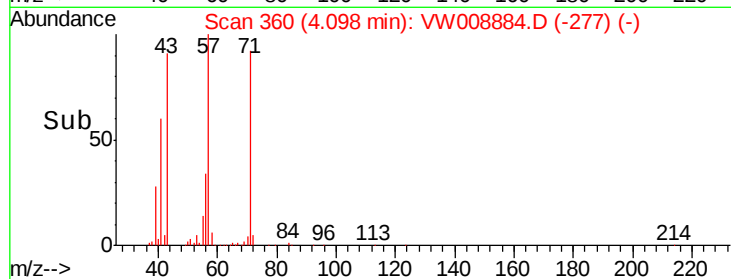
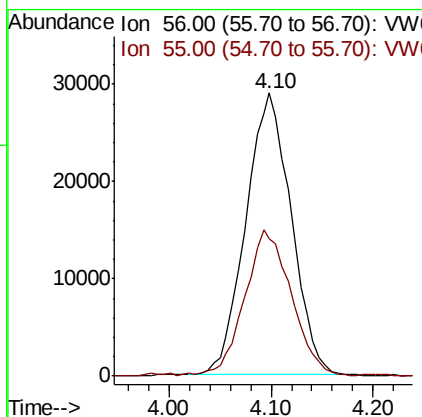
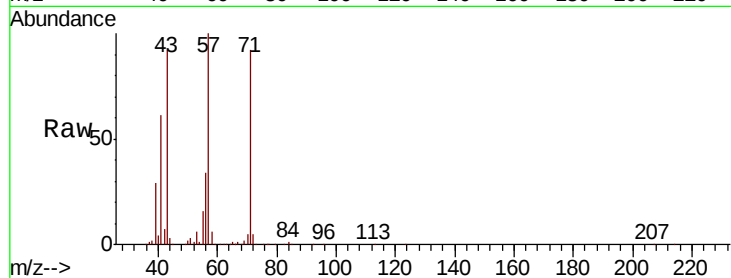




#13
Acrolein
Concen: 254.971 ug/l
RT: 4.10 min Scan# 360
Delta R.T. 0.21 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

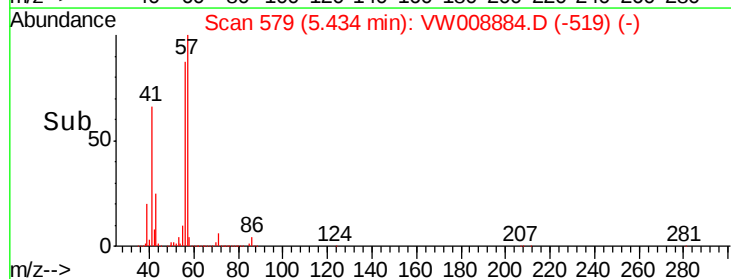
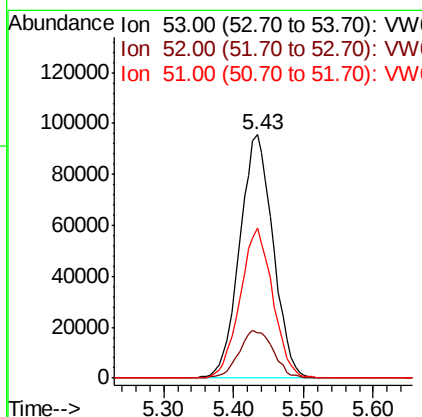
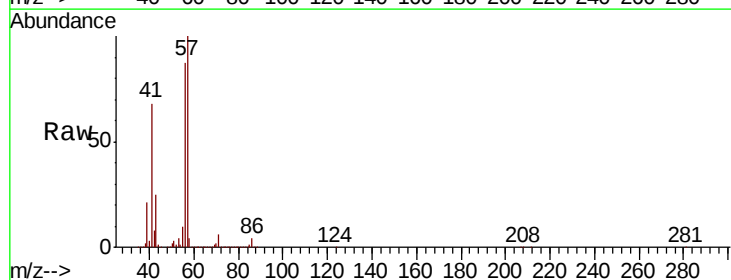
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)RE

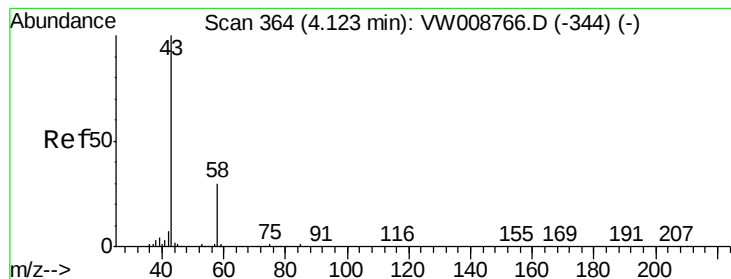
Tot Ion: 56 Resp: 89724
Ion Ratio Lower Upper
56 100
55 52.7 56.9 85.3#



#15
Acrylonitrile
Concen: 358.080 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.07 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Tgt Ion: 53 Resp: 316835
Ion Ratio Lower Upper
53 100
52 20.2 67.2 100.8#
51 60.4 31.1 46.7#





#16

Acetone

Concen: 334.077 ug/l

RT: 4.10 min Scan# 360

Delta R.T. -0.02 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

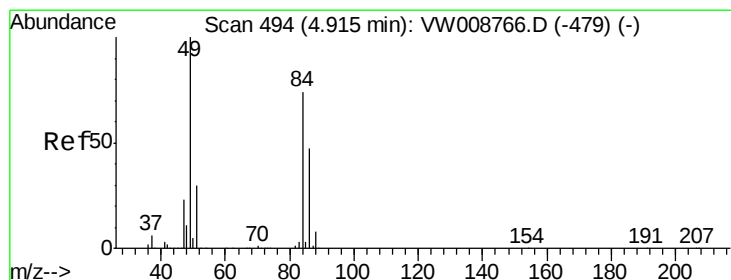
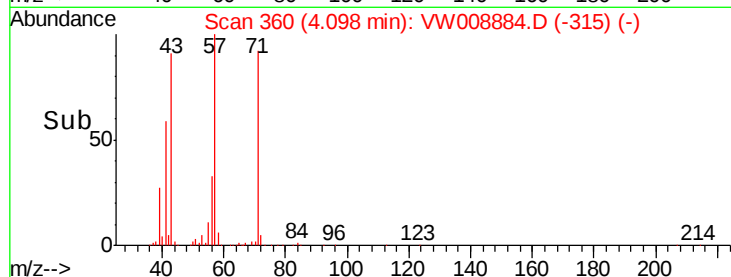
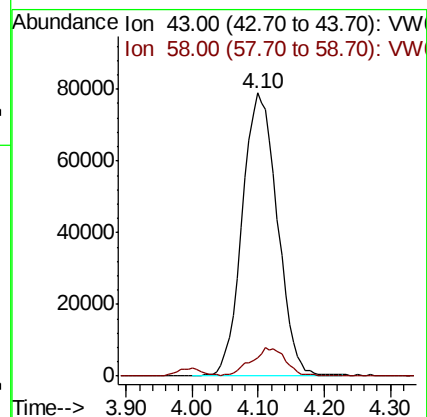
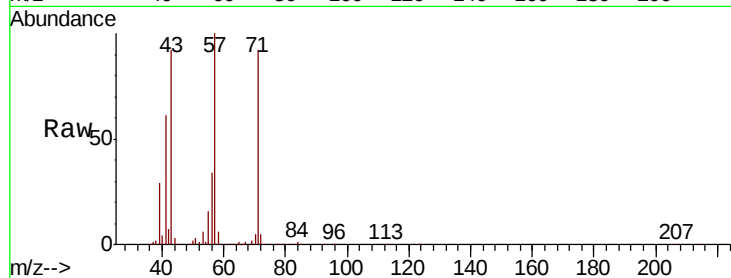
B-8(7.5-8.5)RE

Tot Ion: 43 Resp: 289703

Ion Ratio Lower Upper

43 100

58 6.6 23.8 35.6#



#20

Methylene Chloride

Concen: 8.924 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Tgt Ion: 84 Resp: 56052

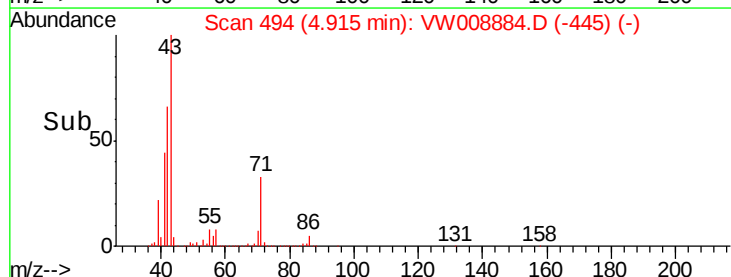
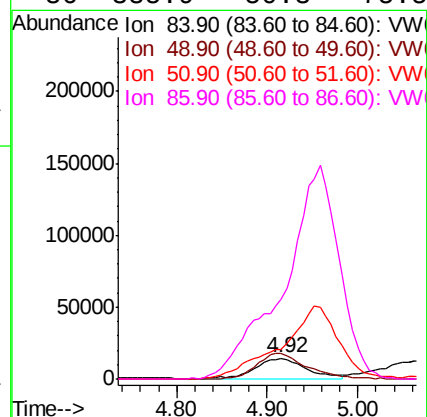
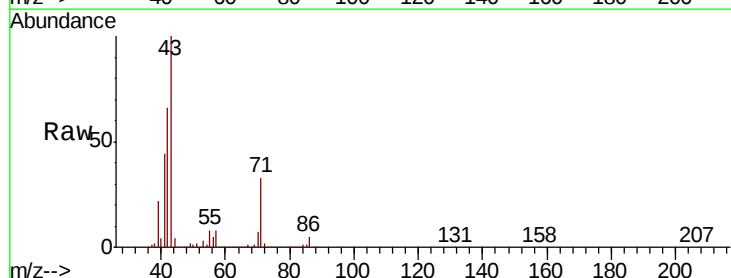
Ion Ratio Lower Upper

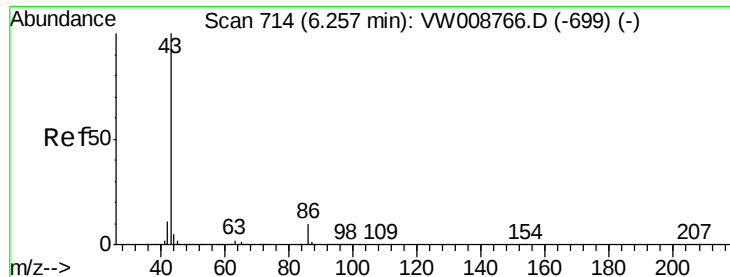
84 100

49 123.6 108.2 162.2

51 141.2 32.7 49.1#

86 385.9 50.3 75.5#





#23

Vinyl Acetate

Concen: 5.135 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.03 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampled :

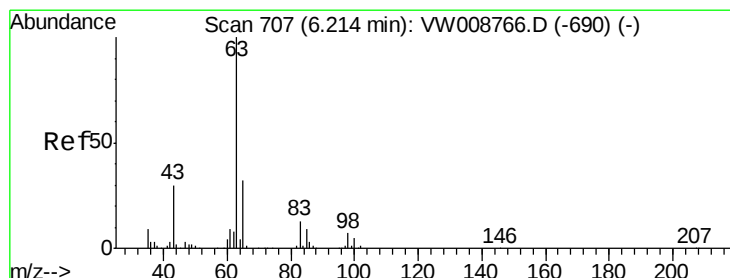
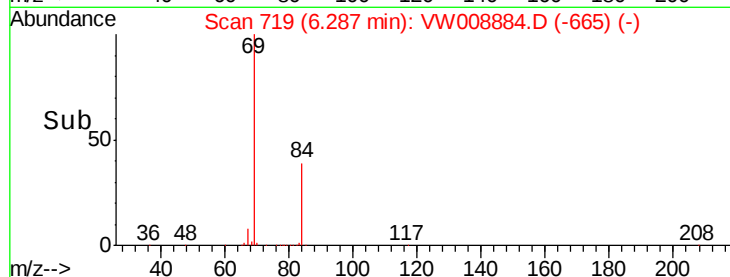
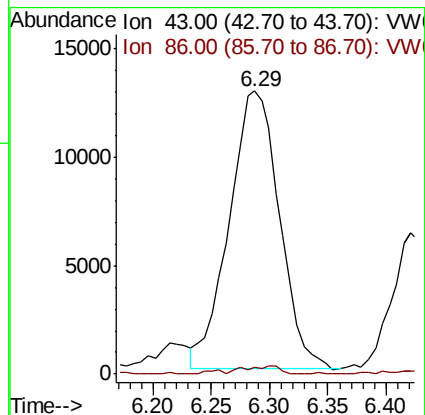
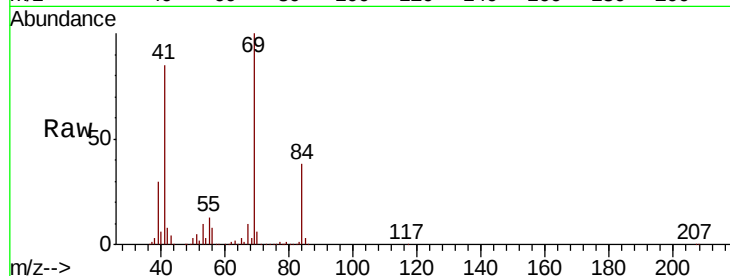
B-8(7.5-8.5)RE

Tot Ion: 43 Resp: 38147

Ion Ratio Lower Upper

43 100

86 2.5 8.1 12.1#



#24

1,1-Dichloroethane

Concen: 1.995 ug/l

RT: 6.29 min Scan# 719

Delta R.T. 0.07 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

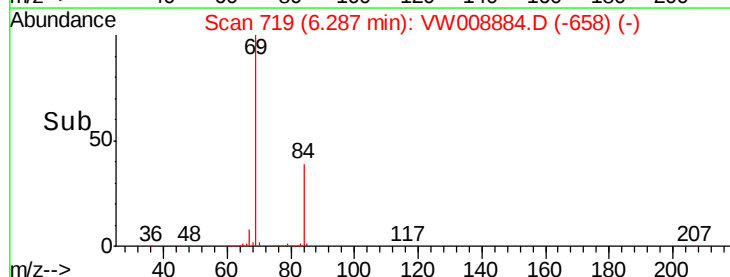
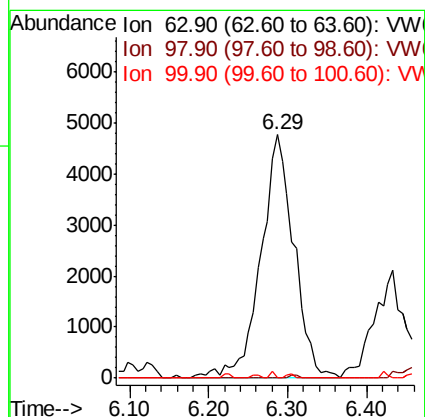
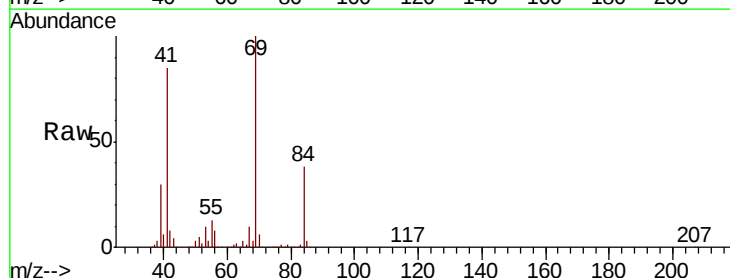
Tgt Ion: 63 Resp: 13898

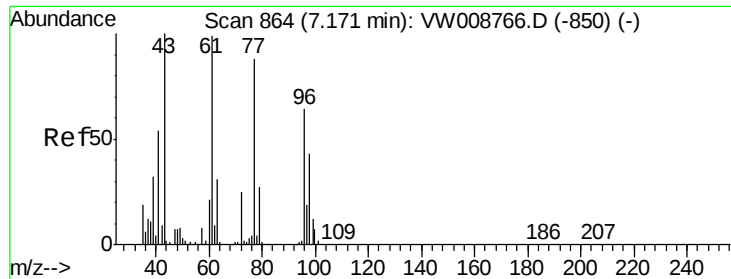
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.6#

100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 172.772 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

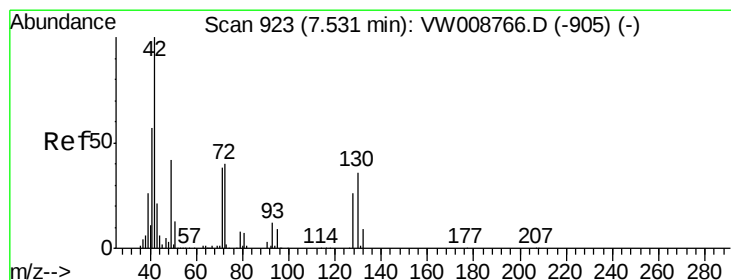
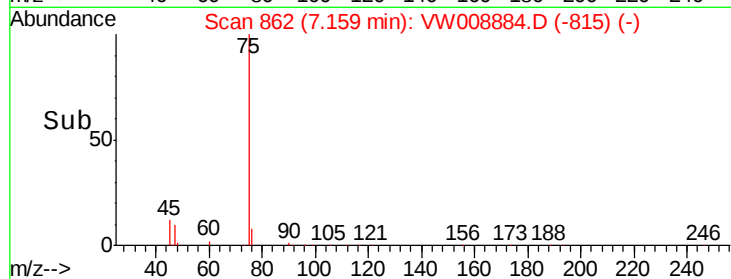
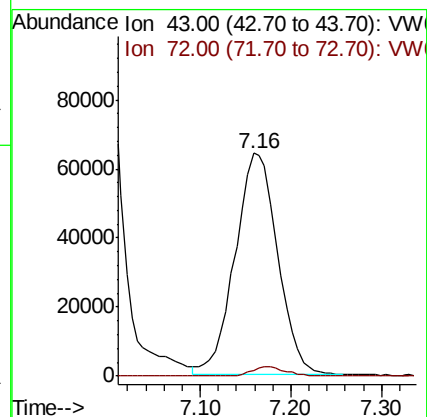
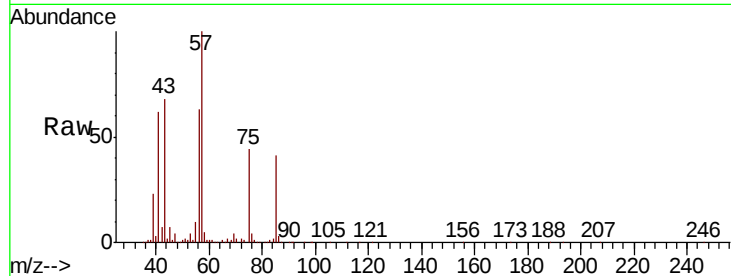
B-8(7.5-8.5)RE

Tot Ion: 43 Resp: 209464

Ion Ratio Lower Upper

43 100

72 2.7 19.7 29.5#



#29

Tetrahydrofuran

Concen: 22.598 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

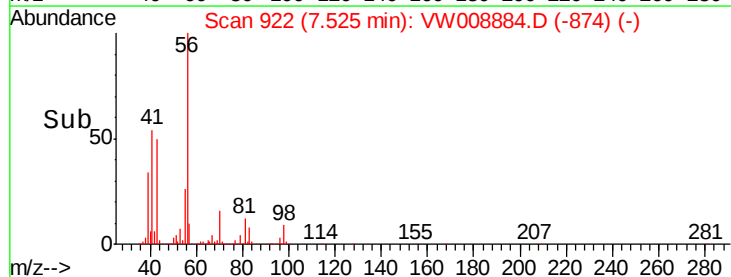
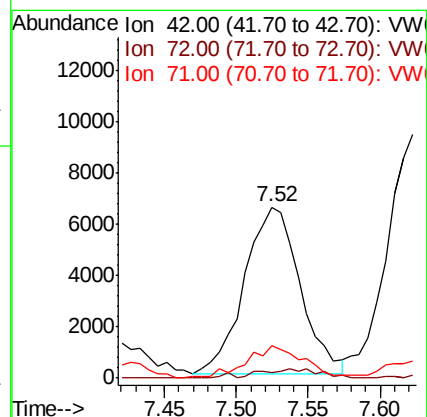
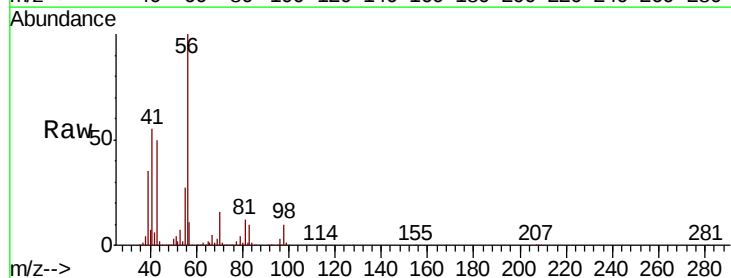
Tgt Ion: 42 Resp: 17459

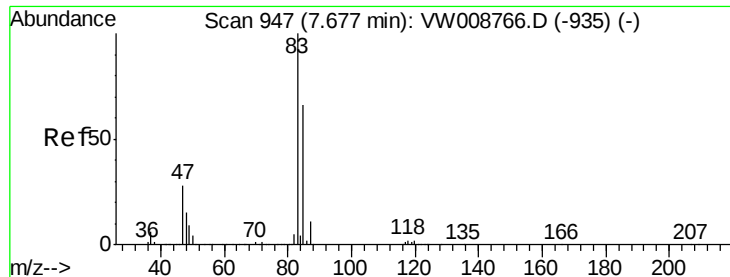
Ion Ratio Lower Upper

42 100

72 0.0 32.7 49.1#

71 0.0 31.3 46.9#

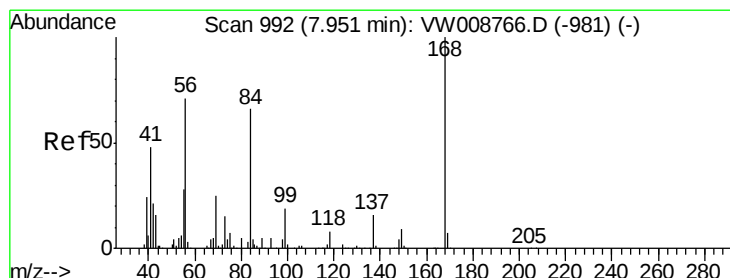
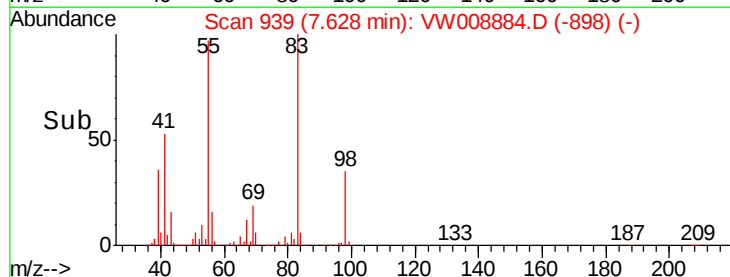
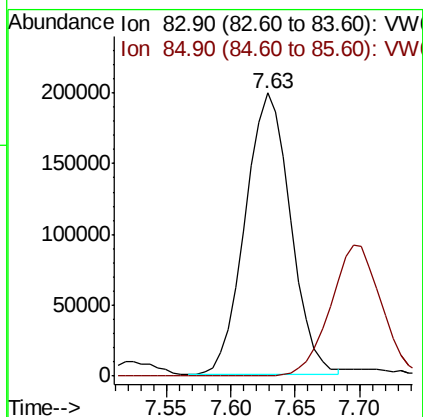
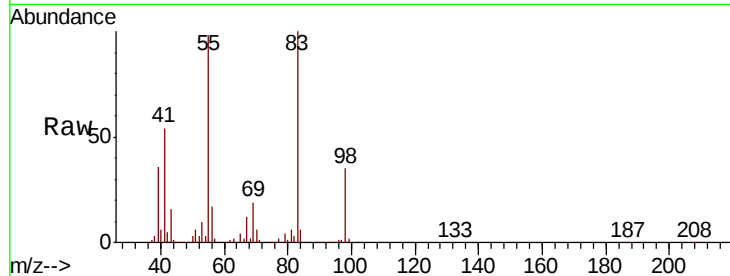




#30
Chloroform
Concen: 68.213 ug/l
RT: 7.63 min Scan# 939
Delta R.T. -0.05 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

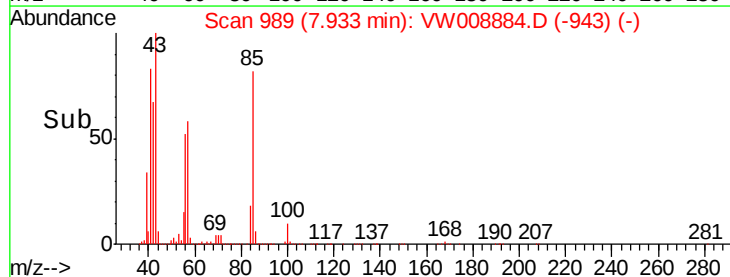
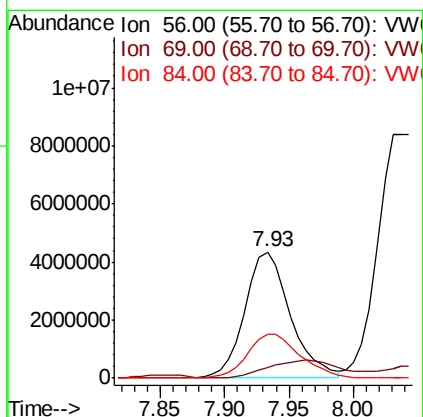
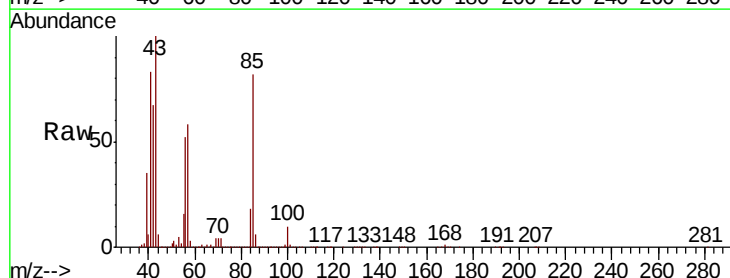
Instrument :
MSVOA_W
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B-8(7.5-8.5)RE

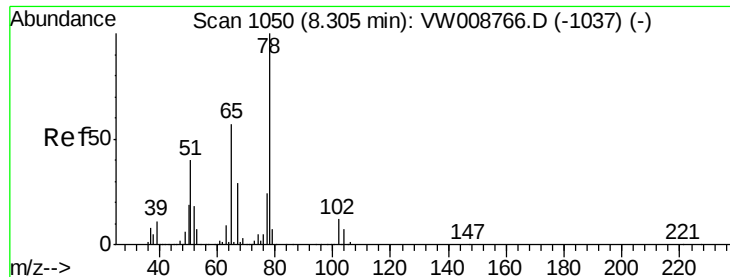
Tot Ion: 83 Resp: 487595
Ion Ratio Lower Upper
83 100
85 0.4 52.6 79.0#



#31
Cyclohexane
Concen: 1497.907 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Tgt Ion: 56 Resp: 10564802
Ion Ratio Lower Upper
56 100
69 7.4 28.2 42.4#
84 35.2 74.1 111.1#

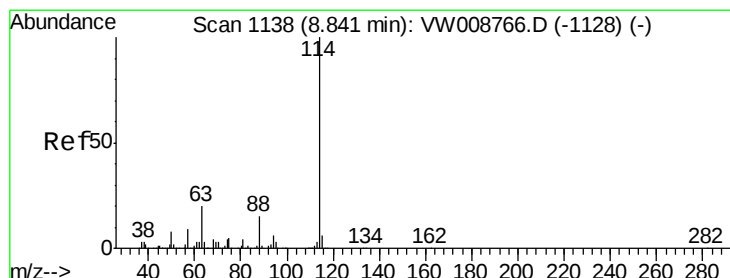
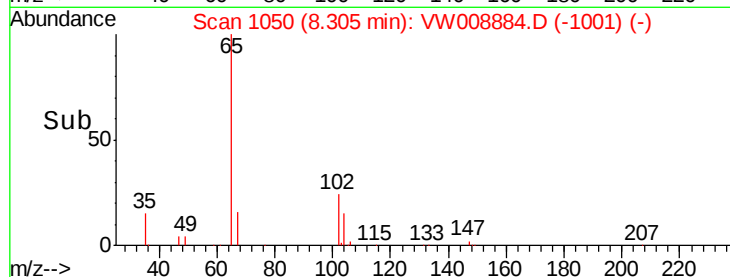
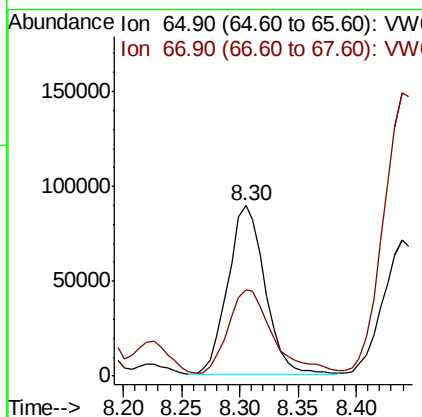
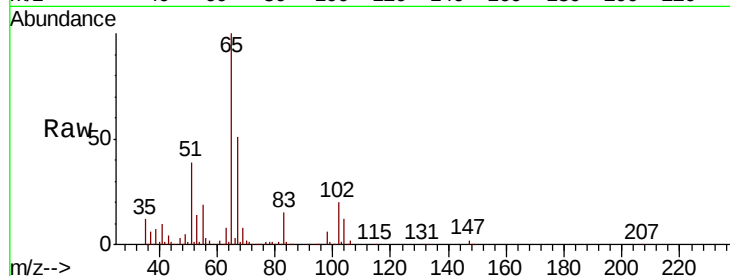




#33
 1,2-Dichloroethane-d4
 Concen: 52.543 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008884.D
 Acq: 28 Feb 2019 13:47

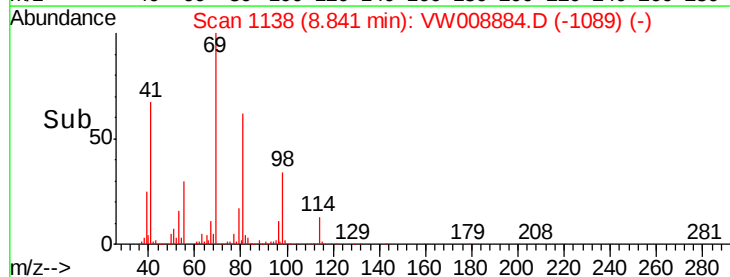
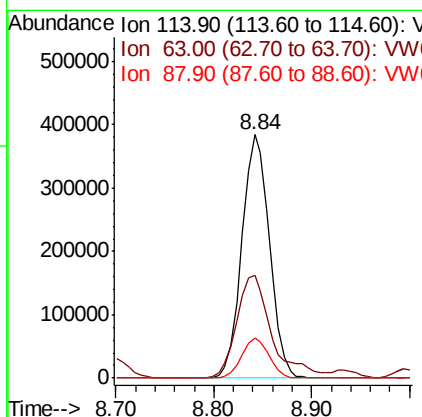
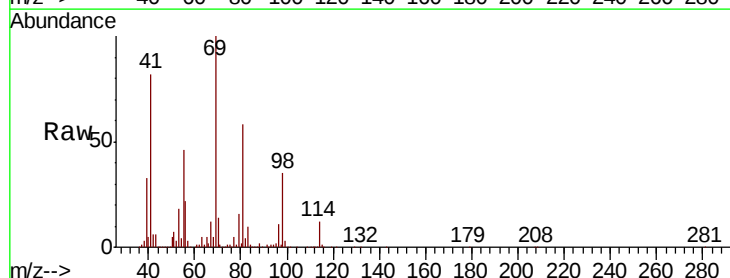
Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(7.5-8.5)RE

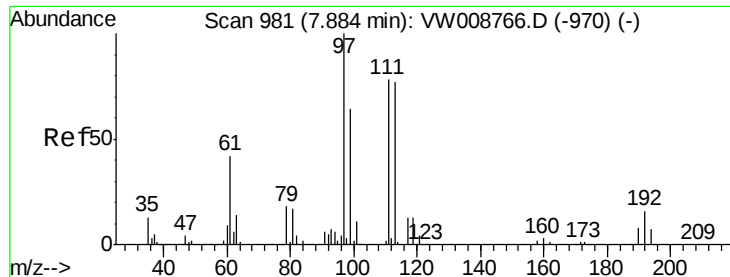
Tot Ion: 65 Resp: 196574
 Ion Ratio Lower Upper
 65 100
 67 59.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008884.D
 Acq: 28 Feb 2019 13:47

Tgt Ion: 114 Resp: 749643
 Ion Ratio Lower Upper
 114 100
 63 42.0 0.0 40.8#
 88 16.4 0.0 30.4

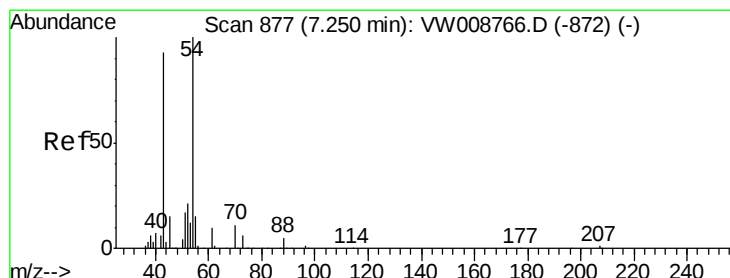
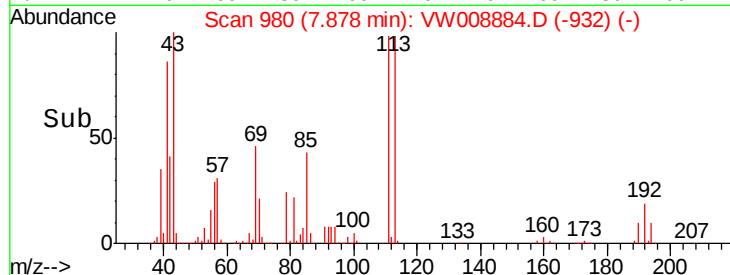
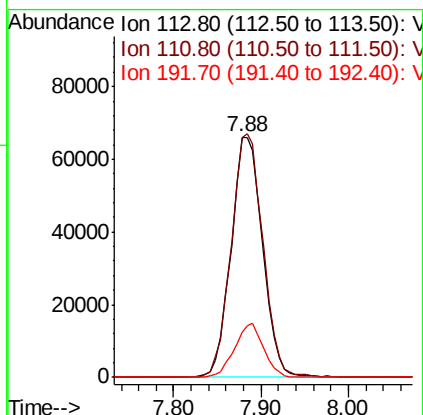
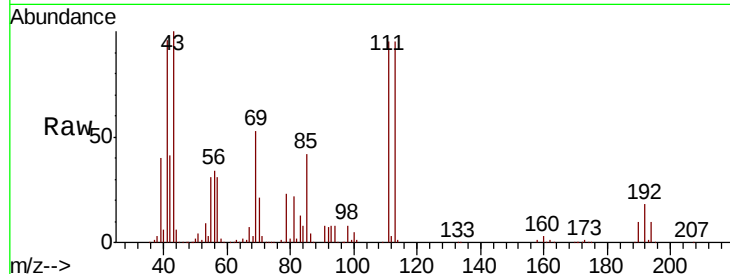




#35
Dibromofluoromethane
Concen: 36.704 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

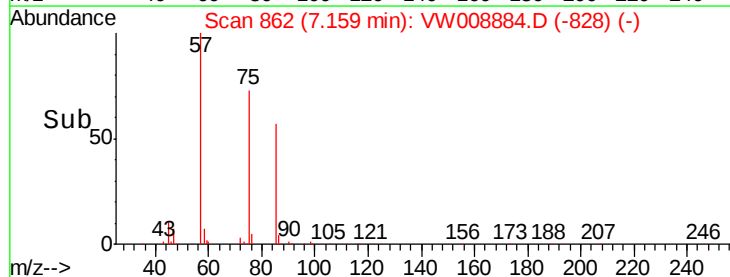
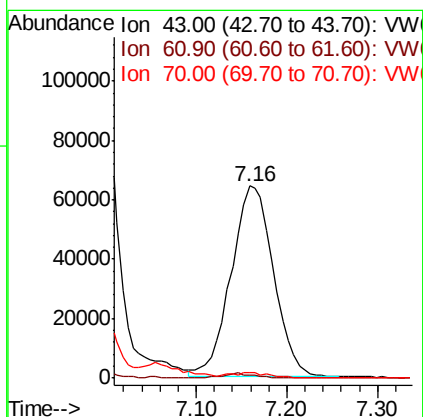
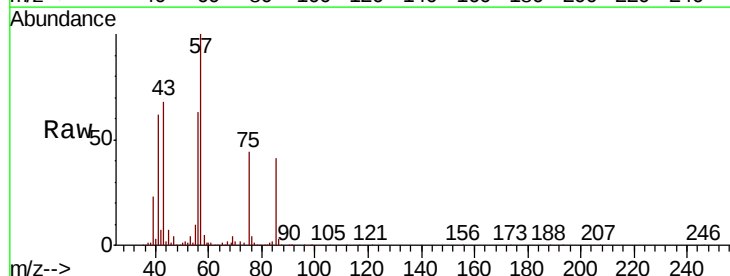
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)RE

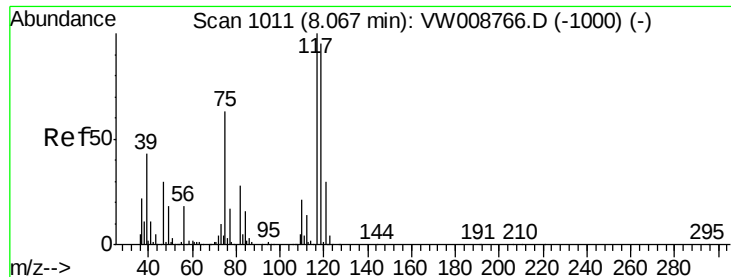
Tot Ion:113 Resp: 165204
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 20.6 17.1 25.7



#37
Ethyl Acetate
Concen: 61.727 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.09 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Tgt Ion: 43 Resp: 209464
Ion Ratio Lower Upper
43 100
61 2.0 9.8 14.8#
70 2.8 8.4 12.6#

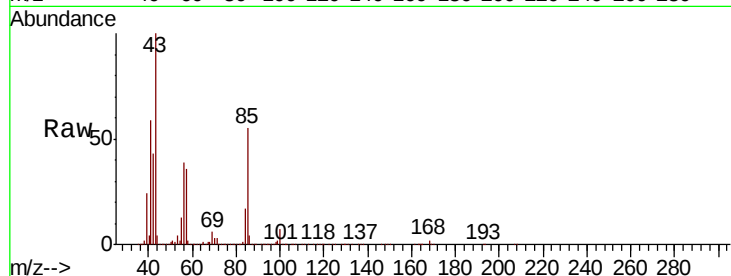




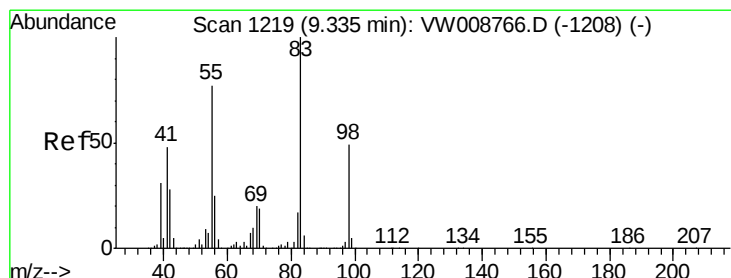
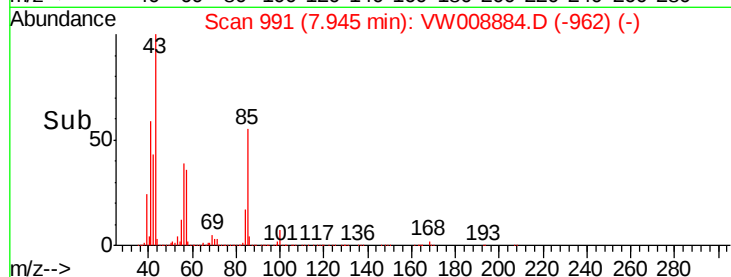
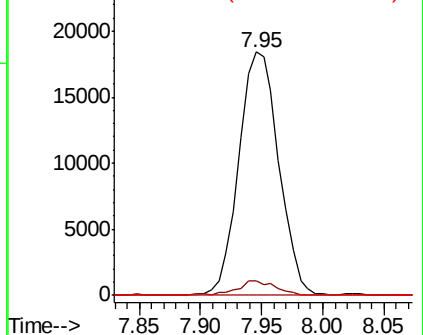
#38
Carbon Tetrachloride
Concen: 5.409 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)RE

Tot Ion:117 Resp: 41630
Ion Ratio Lower Upper
117 100
119 6.1 76.1 114.1#
121 0.0 24.0 36.0#

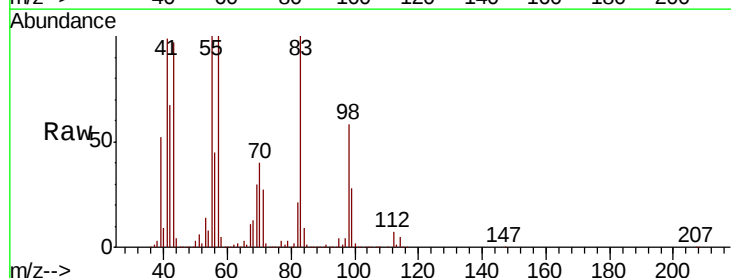


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

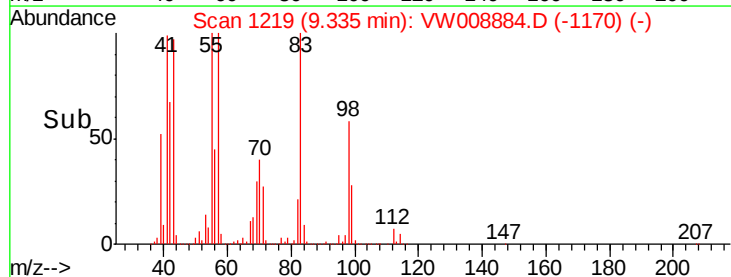
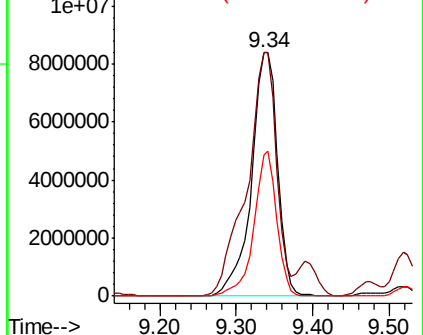


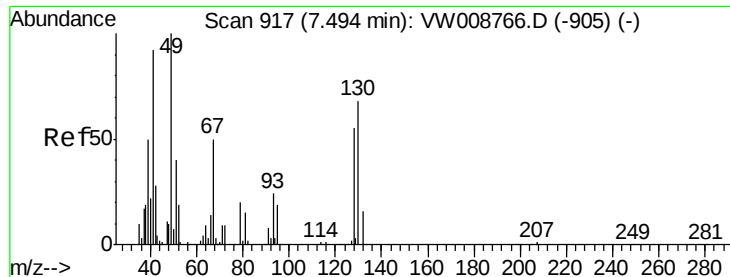
#39
Methylcyclohexane
Concen: 2202.140 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Tgt Ion: 83 Resp:20044049
Ion Ratio Lower Upper
83 100
55 100.0 61.2 91.8#
98 58.1 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

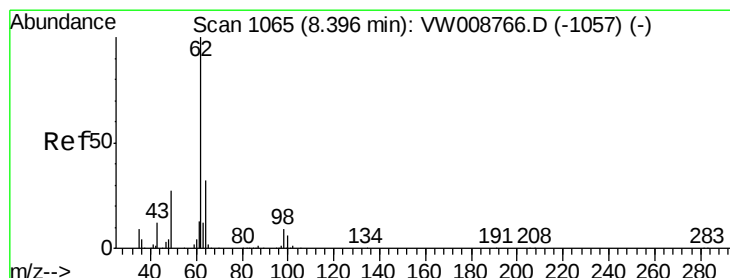
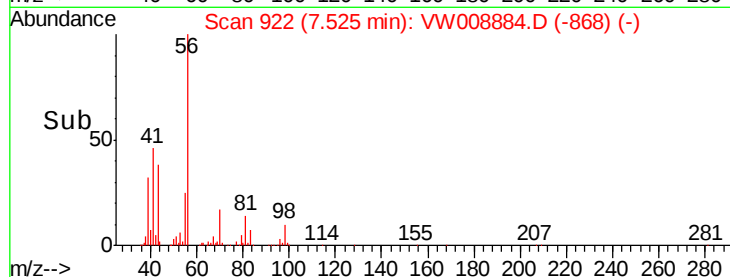
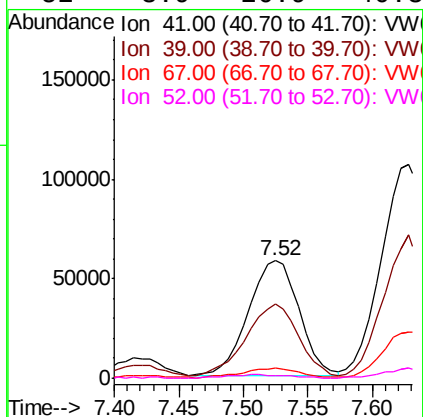
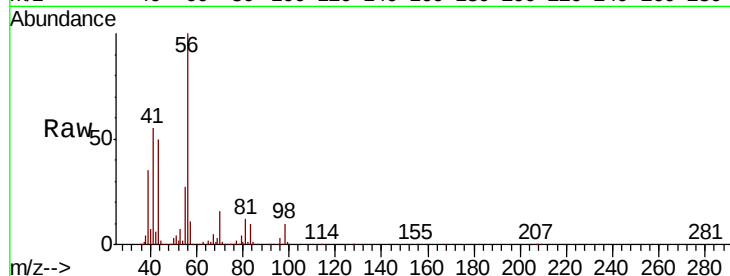




#41
Methacrylonitrile
Concen: 78.890 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.03 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

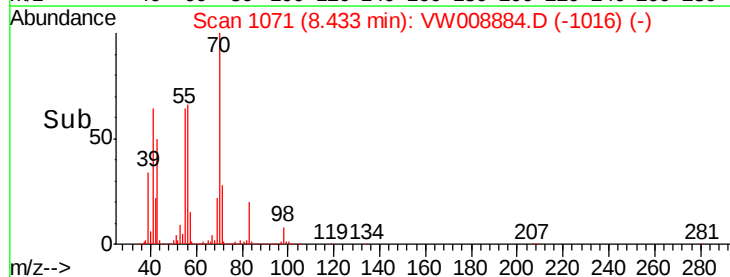
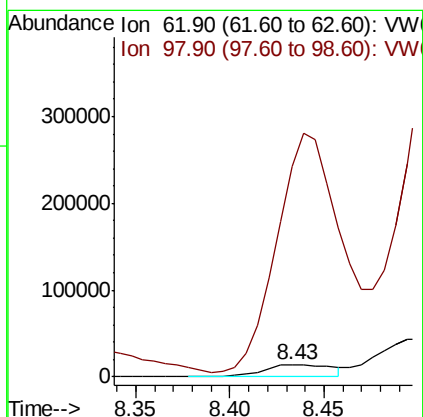
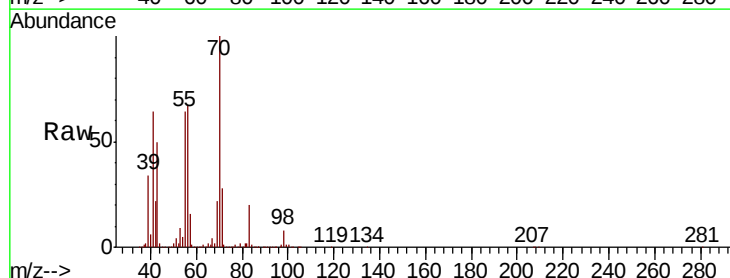
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)RE

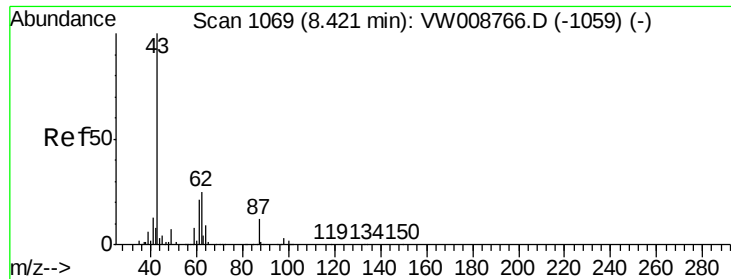
Tot Ion	Ratio	Lower	Upper
41	100		
39	62.5	52.5	78.7
67	8.7	55.0	82.6#
52	3.9	26.9	40.3#



#42
1,2-Dichloroethane
Concen: 5.502 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.04 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	1947.4	0.0	18.2#





#43

Isopropyl Acetate

Concen: 568.592 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleID :

B-8(7.5-8.5)RE

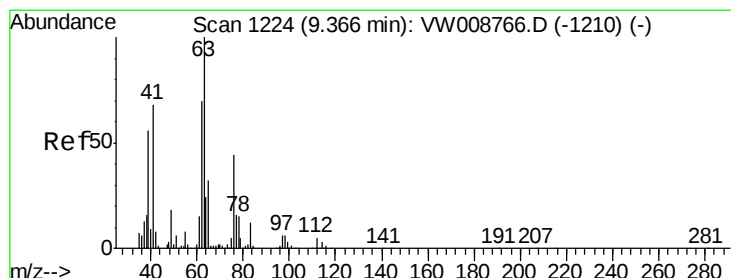
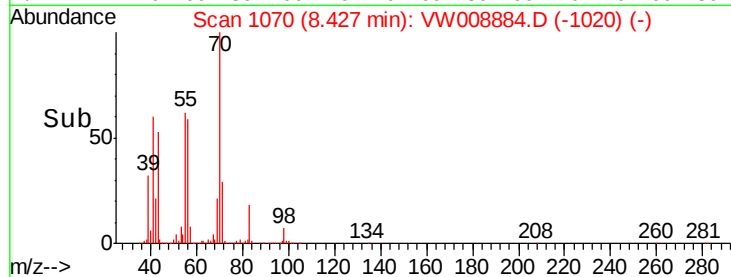
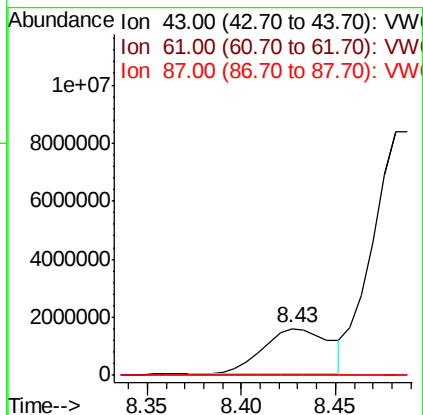
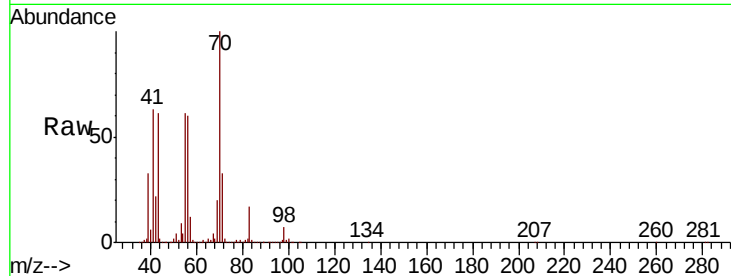
Tot Ion: 43 Resp: 3850851

Ion Ratio Lower Upper

43 100

61 0.3 23.2 34.8#

87 0.0 9.9 14.9#



#45

1,2-Dichloropropane

Concen: 9.993 ug/l

RT: 9.39 min Scan# 1228

Delta R.T. 0.02 min

Lab File: VW008884.D

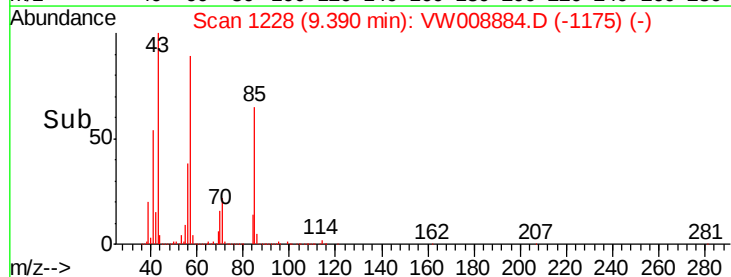
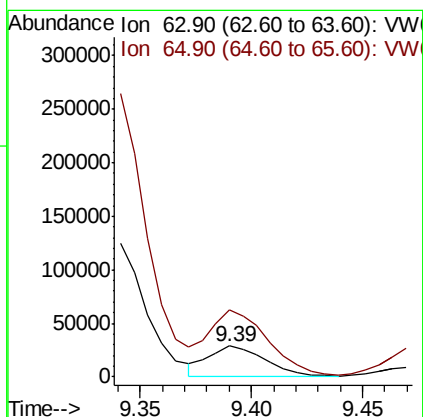
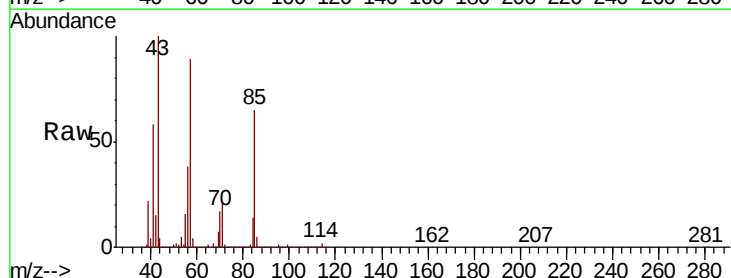
Acq: 28 Feb 2019 13:47

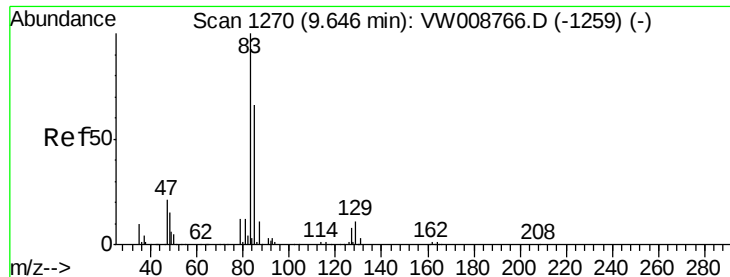
Tgt Ion: 63 Resp: 49200

Ion Ratio Lower Upper

63 100

65 215.9 25.5 38.3#





#47

Bromodichloromethane

Concen: 213.501 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)RE

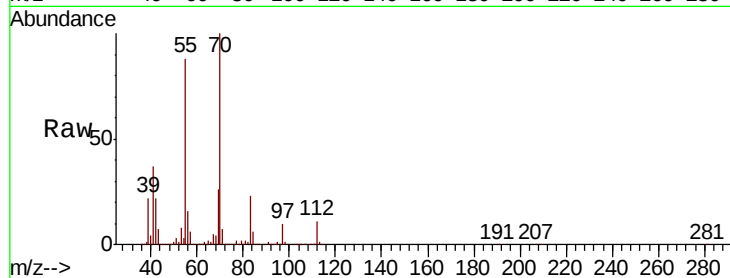
Tot Ion: 83 Resp: 1422588

Ion Ratio Lower Upper

83 100

85 1.5 52.5 78.7#

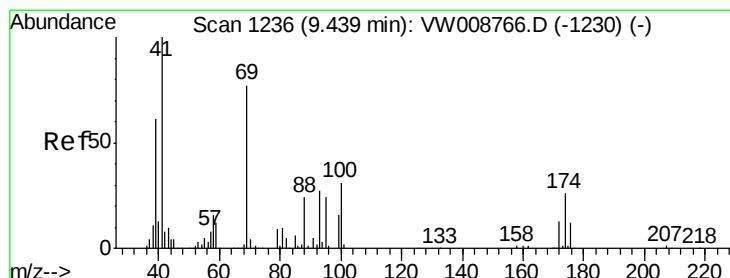
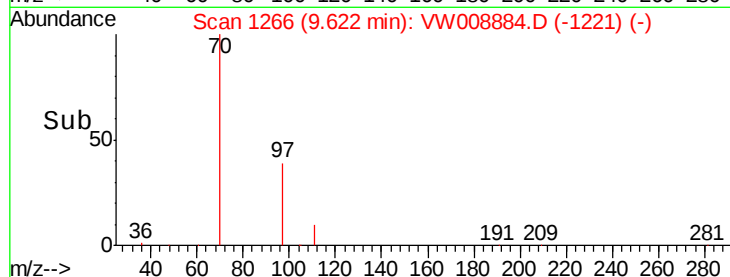
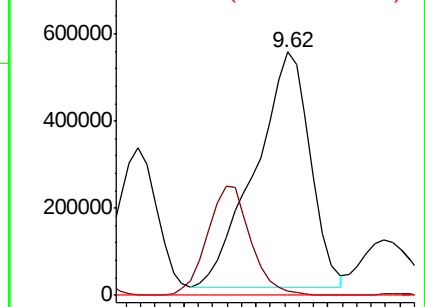
127 0.0 6.7 10.1#



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: 1003.843 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.04 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

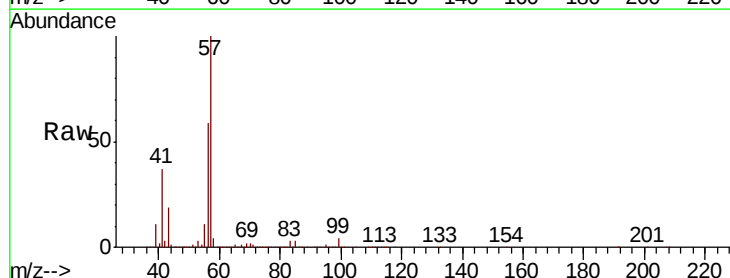
Tgt Ion: 41 Resp: 3256137

Ion Ratio Lower Upper

41 100

69 0.0 63.6 95.4#

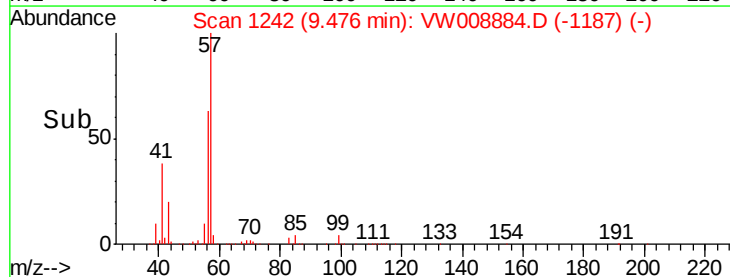
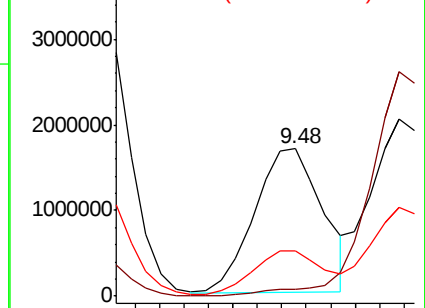
39 31.0 52.1 78.1#

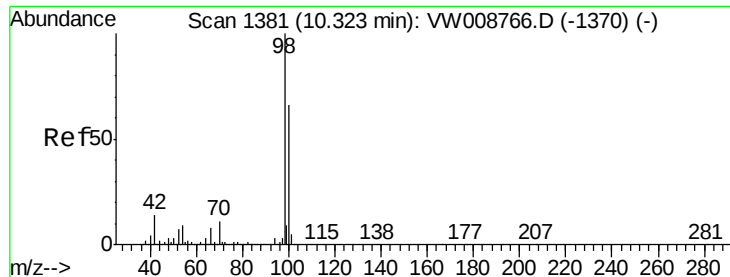


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 119.568 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

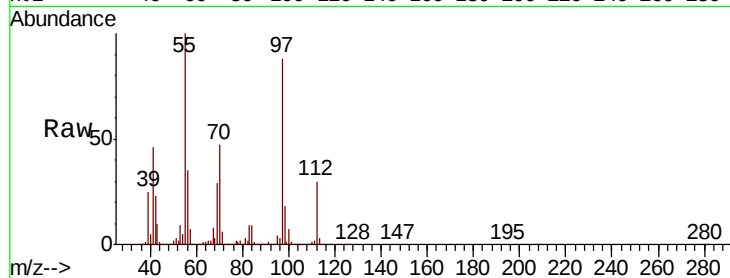
B-8(7.5-8.5)RE

Tot Ion: 98 Resp: 2077488

Ion Ratio Lower Upper

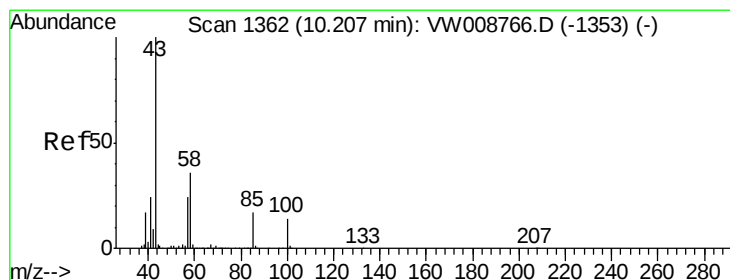
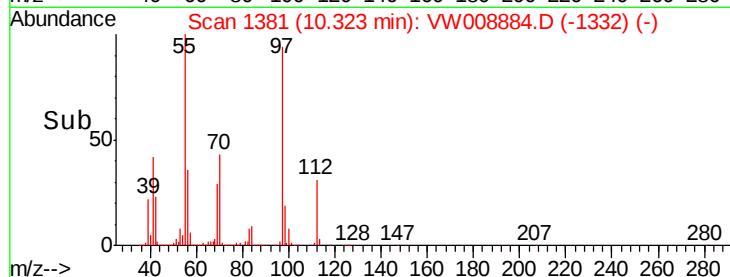
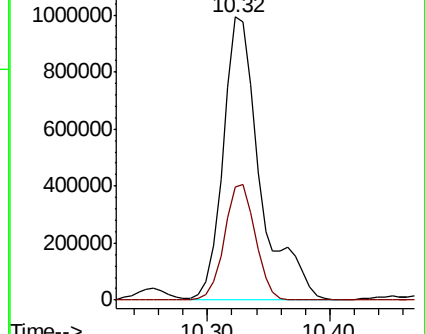
98 100

100 34.1 52.4 78.6#



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: 1888.068 ug/l

RT: 10.26 min Scan# 1370

Delta R.T. 0.05 min

Lab File: VW008884.D

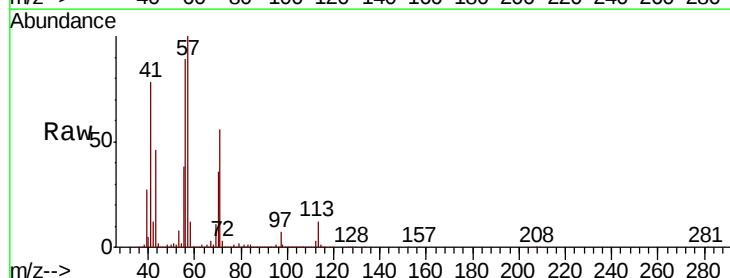
Acq: 28 Feb 2019 13:47

Tgt Ion: 43 Resp: 6491998

Ion Ratio Lower Upper

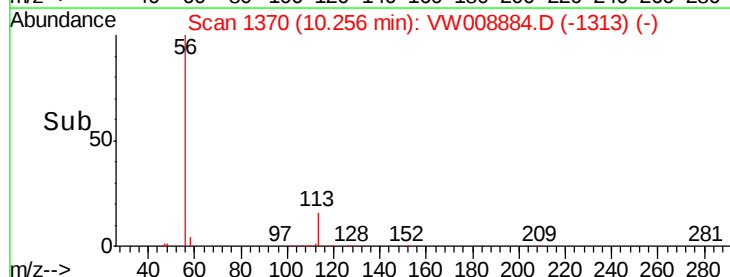
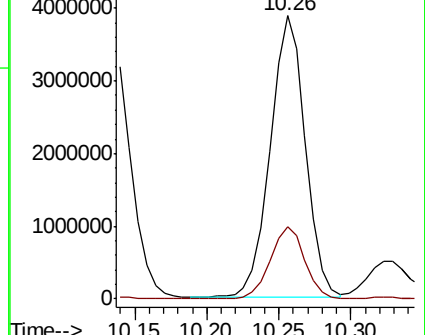
43 100

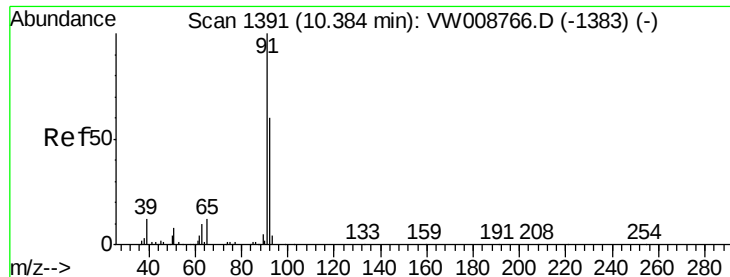
58 25.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 1.434 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

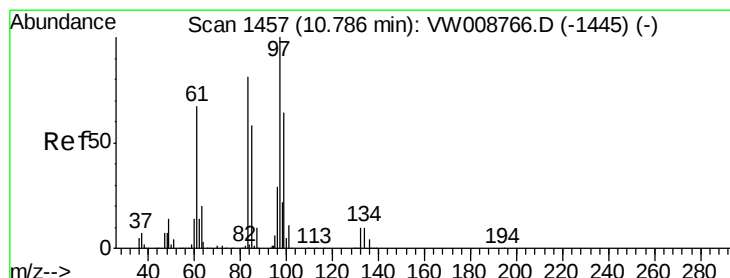
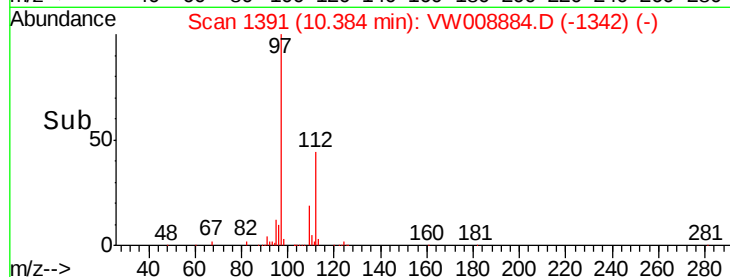
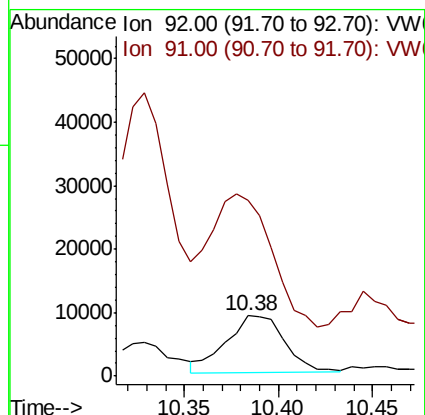
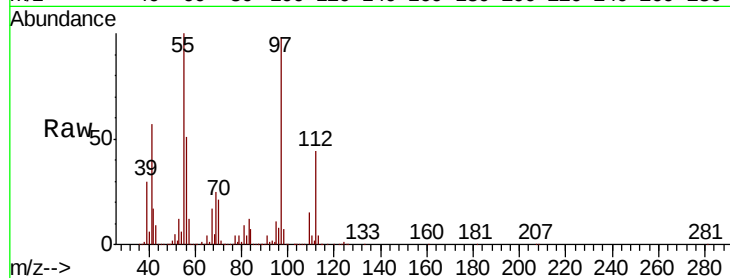
B-8(7.5-8.5)RE

Tot Ion: 92 Resp: 19385

Ion Ratio Lower Upper

92 100

91 327.8 136.9 205.3#



#55

1,1,2-Trichloroethane

Concen: 1742.911 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Tgt Ion: 97 Resp: 6473193

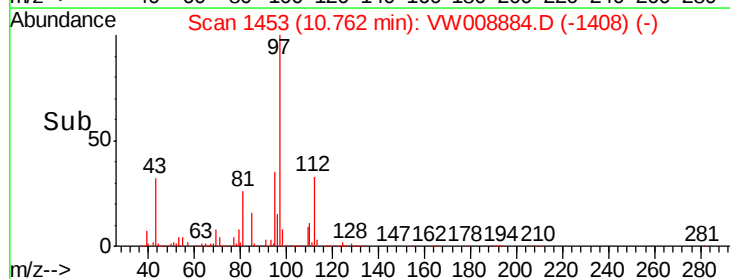
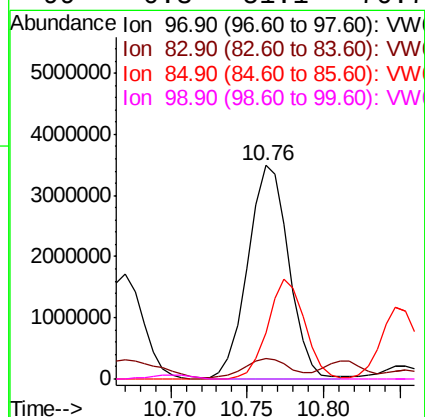
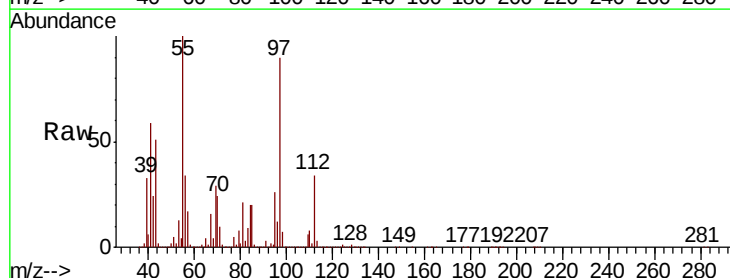
Ion Ratio Lower Upper

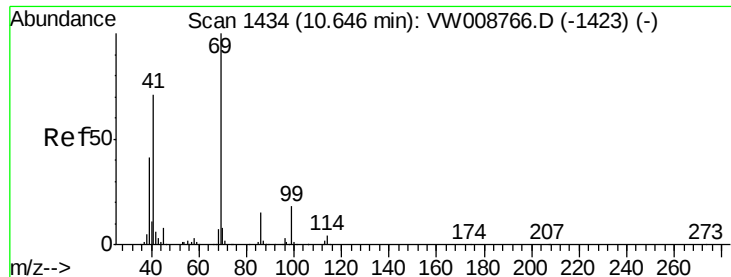
97 100

83 8.8 65.0 97.6#

85 21.7 46.0 69.0#

99 0.3 51.1 76.7#





#56

Ethyl methacrylate

Concen: 260.896 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampled :

B-8(7.5-8.5)RE

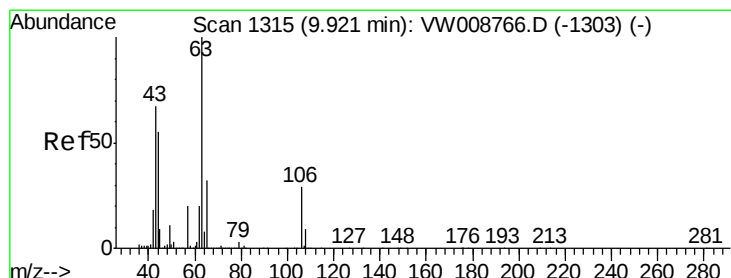
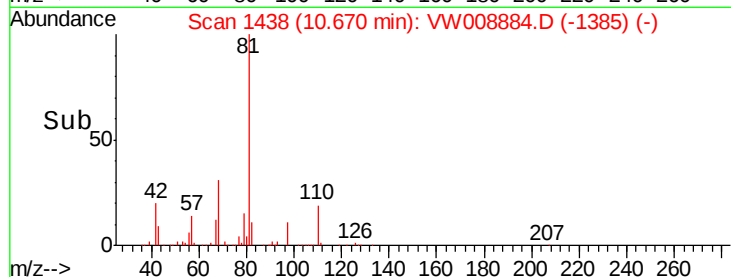
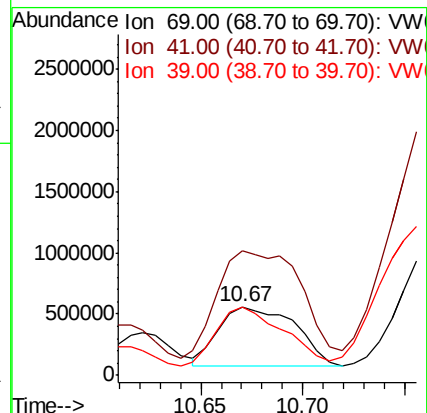
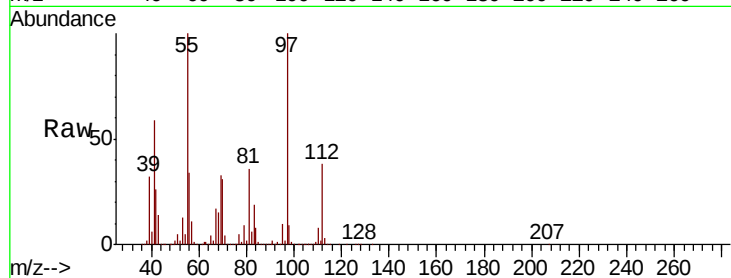
Tot Ion: 69 Resp: 1258900

Ion Ratio Lower Upper

69 100

41 202.3 57.4 86.0#

39 90.3 34.8 52.2#



#58

2-Chloroethyl Vinyl ether

Concen: 117.603 ug/l

RT: 9.91 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VW008884.D

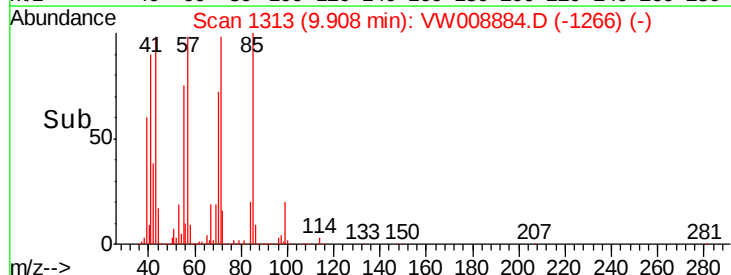
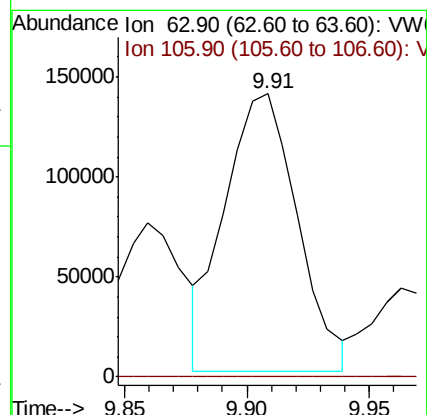
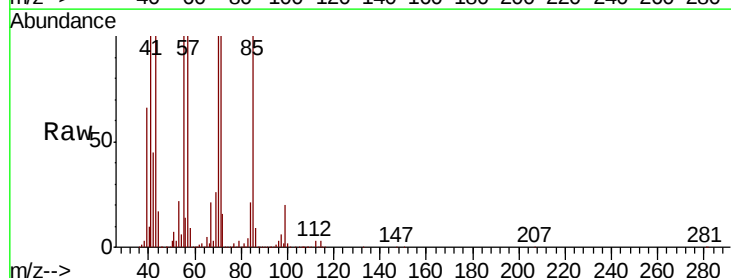
Acq: 28 Feb 2019 13:47

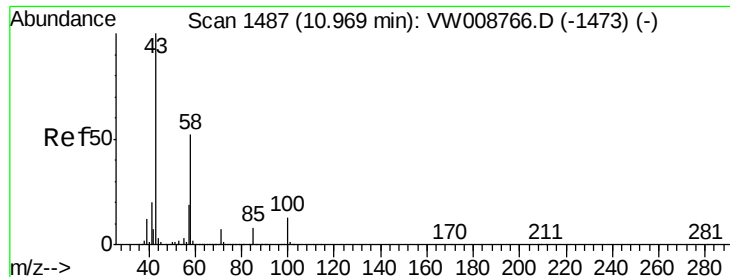
Tgt Ion: 63 Resp: 285406

Ion Ratio Lower Upper

63 100

106 0.0 24.0 36.0#





#59

2-Hexanone

Concen: 1891.423 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

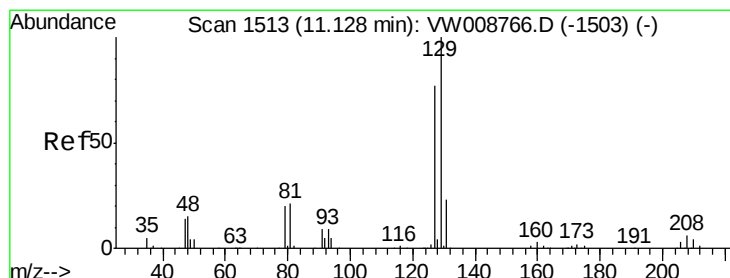
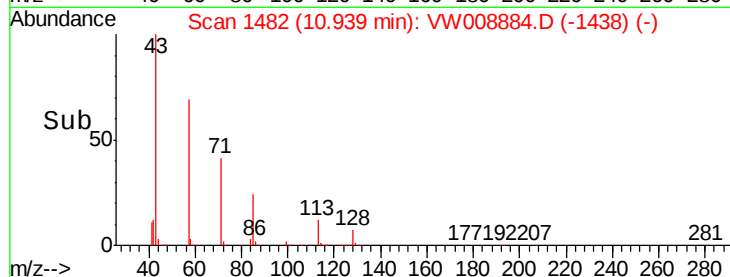
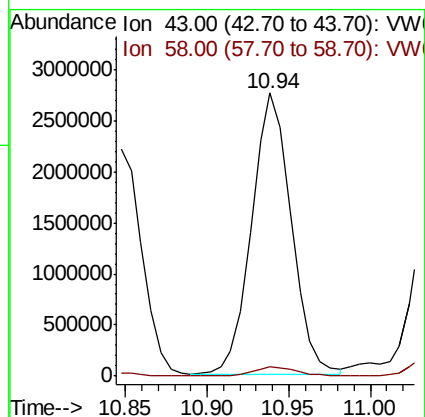
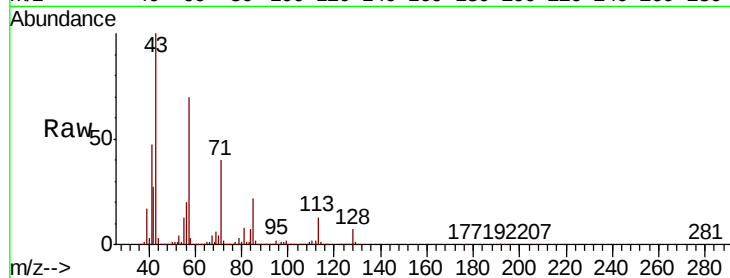
B-8(7.5-8.5)RE

Tot Ion: 43 Resp: 4629492

Ion Ratio Lower Upper

43 100

58 3.7 25.3 75.8#



#60

Dibromochloromethane

Concen: 5.708 ug/l

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW008884.D

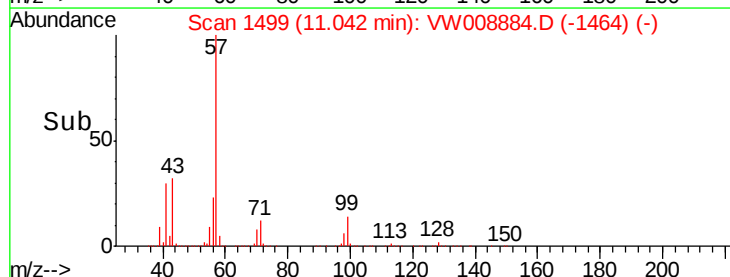
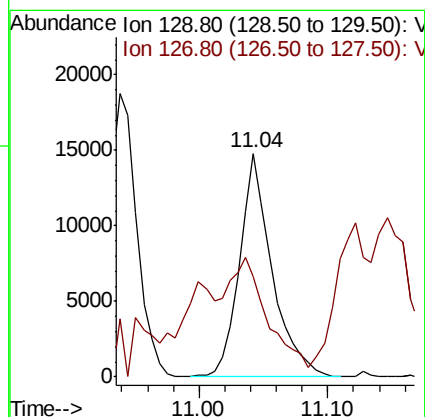
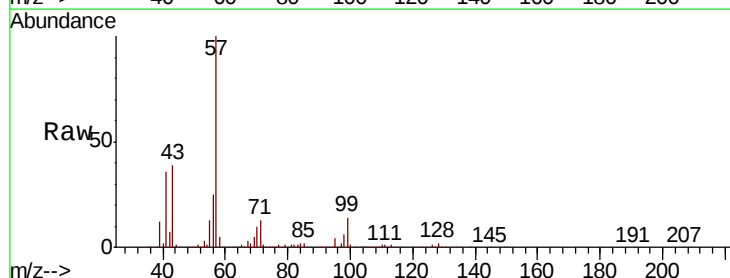
Acq: 28 Feb 2019 13:47

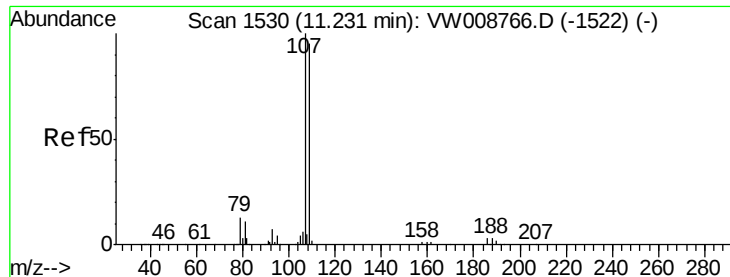
Tgt Ion: 129 Resp: 25856

Ion Ratio Lower Upper

129 100

127 53.5 39.0 116.9

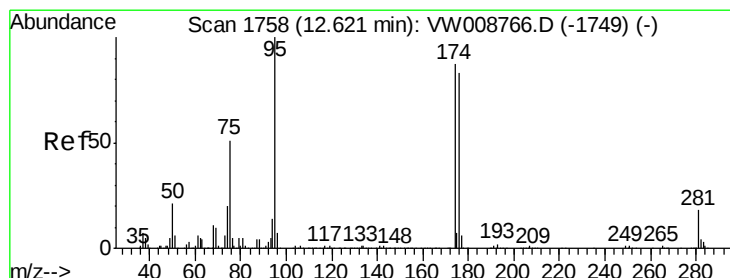
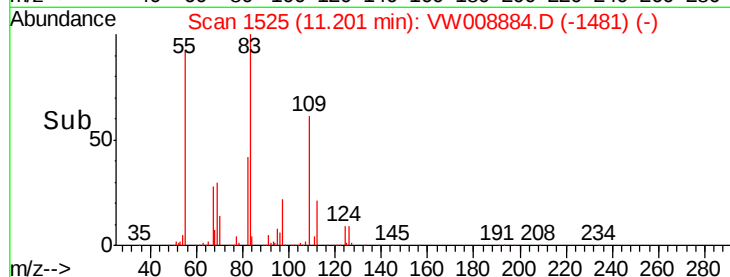
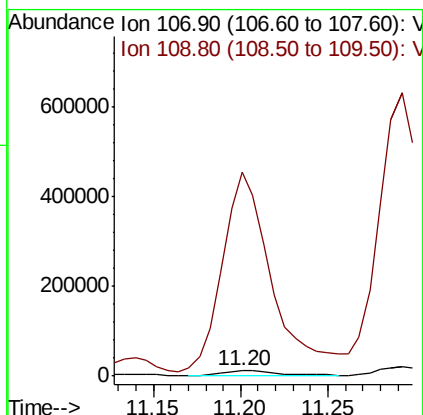
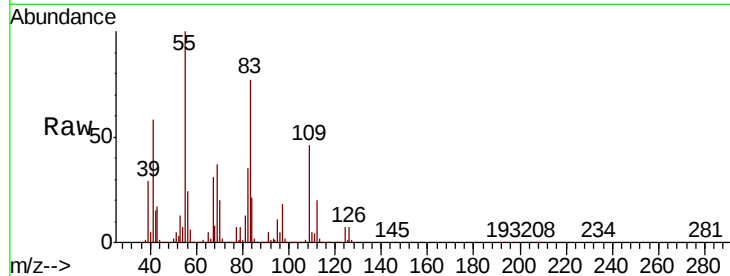




#61
 1,2-Dibromoethane
 Concen: 6.699 ug/l
 RT: 11.20 min Scan# 1525
 Delta R.T. -0.03 min
 Lab File: VW008884.D
 Acq: 28 Feb 2019 13:47

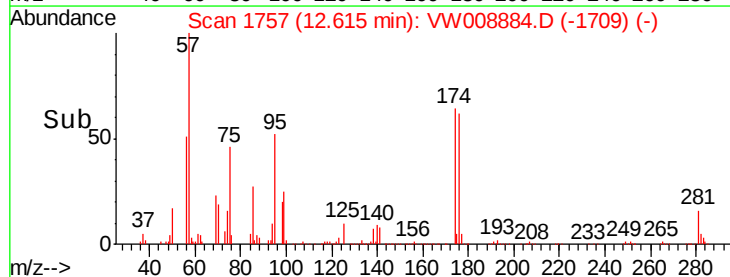
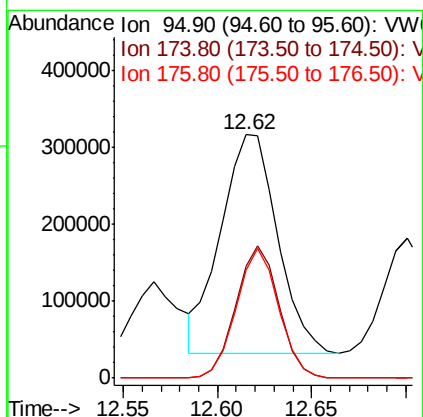
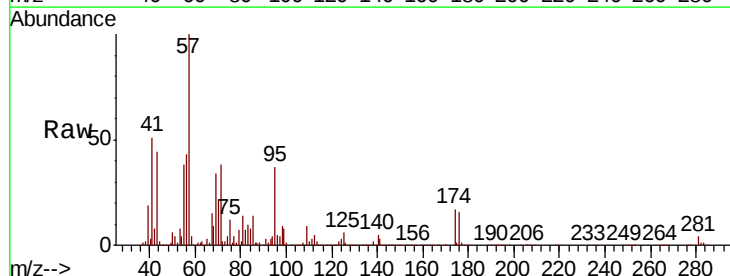
Instrument :
 MSVOA_W
 ClientSampleId :
 B-8(7.5-8.5)RE

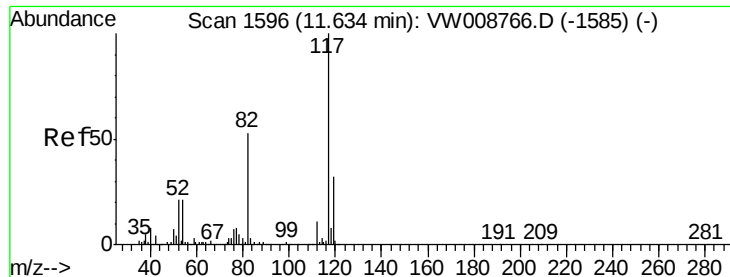
Tot Ion:107 Resp: 24627
 Ion Ratio Lower Upper
 107 100
 109 3503.7 75.6 113.4#



#62
 4-Bromofluorobenzene
 Concen: 87.679 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008884.D
 Acq: 28 Feb 2019 13:47

Tgt Ion: 95 Resp: 596482
 Ion Ratio Lower Upper
 95 100
 174 45.7 0.0 169.2
 176 44.1 0.0 163.6

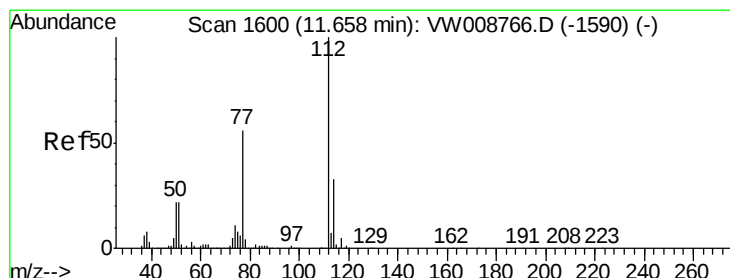
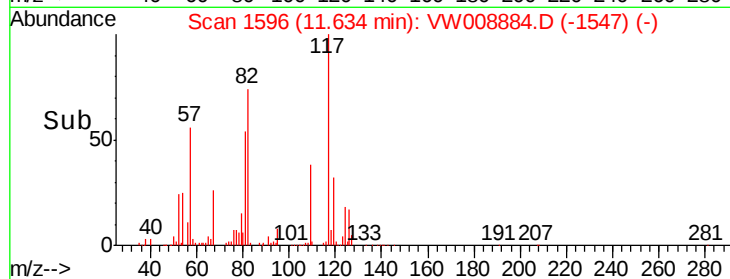
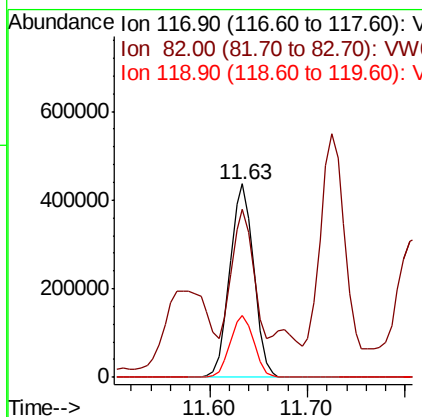
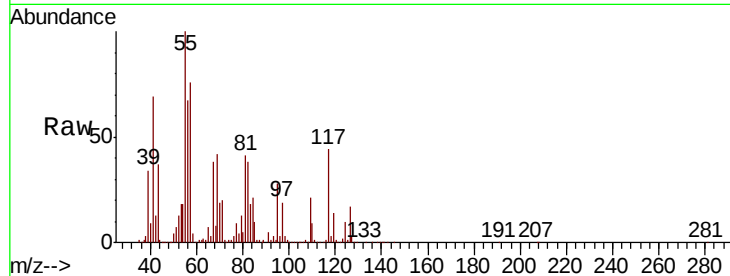




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

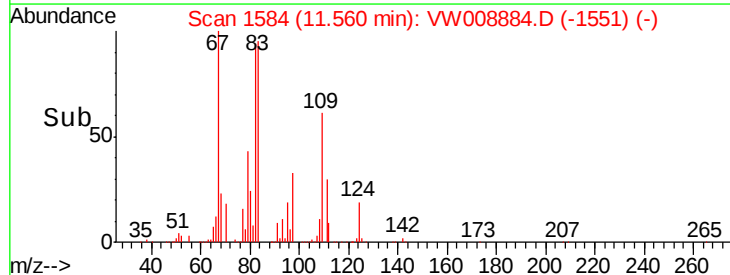
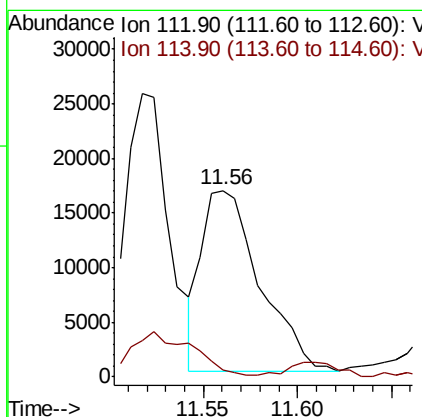
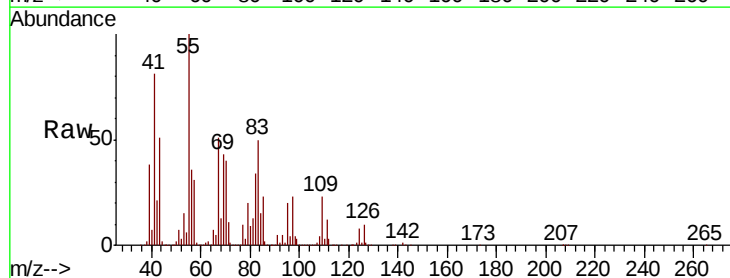
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)RE

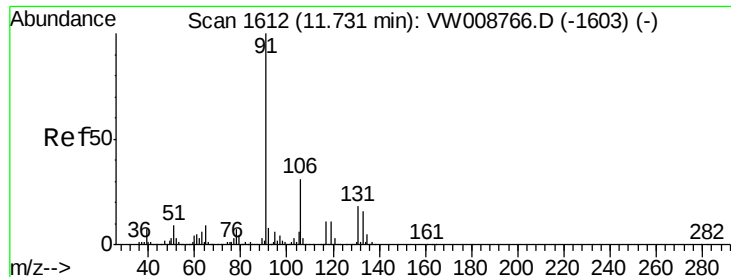
Tot Ion	Ratio	Lower	Upper
117	100		
82	42.5	42.2	63.4
119	32.1	25.9	38.9



#65
Chlorobenzene
Concen: 2.270 ug/l
RT: 11.56 min Scan# 1584
Delta R.T. -0.10 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	26.6	40.0#

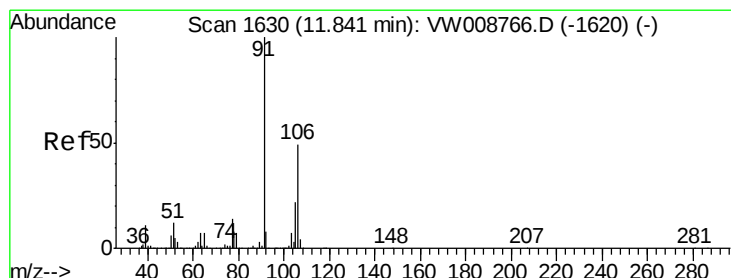
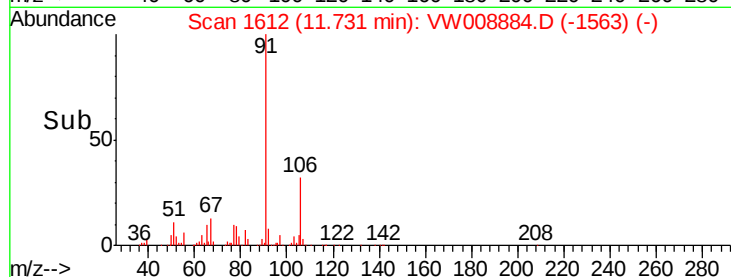
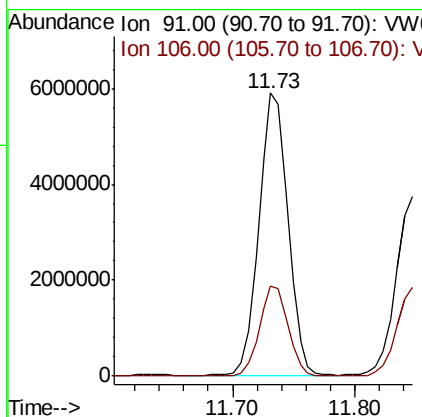
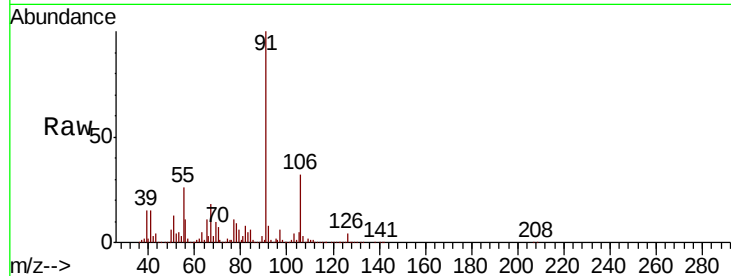




#67
Ethyl Benzene
Concen: 351.453 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

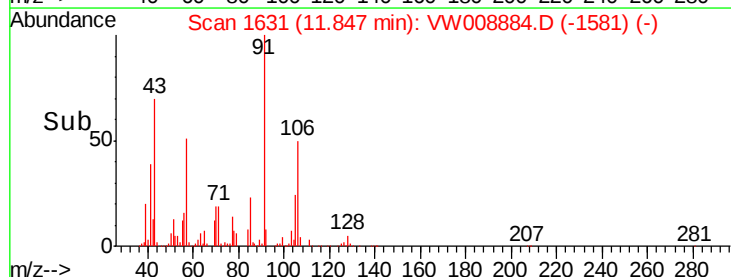
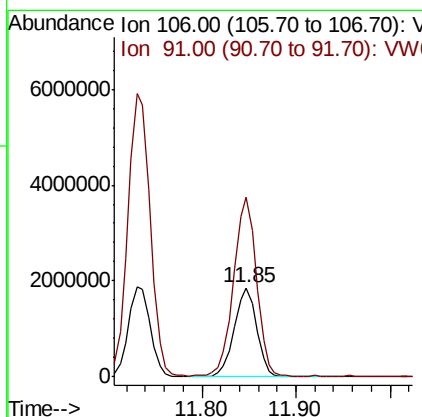
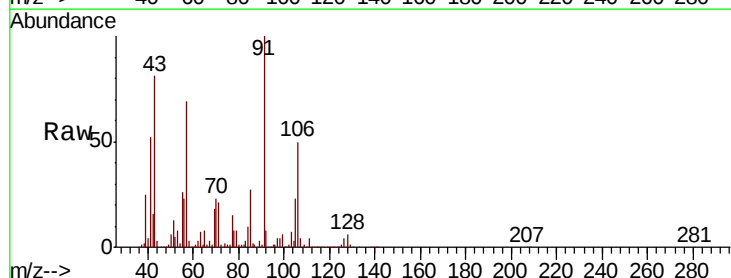
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)RE

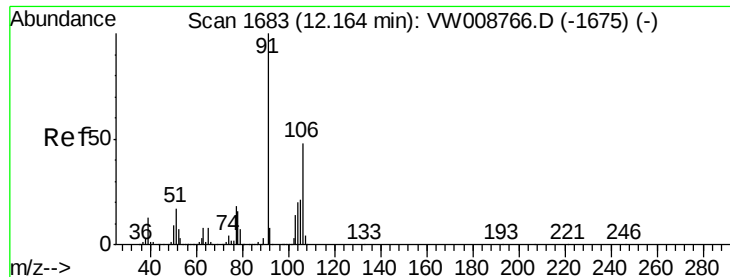
Tot Ion: 91 Resp: 9757005
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6



#68
m/p-Xylenes
Concen: 277.248 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Tgt Ion: 106 Resp: 3075320
Ion Ratio Lower Upper
106 100
91 204.2 161.5 242.3

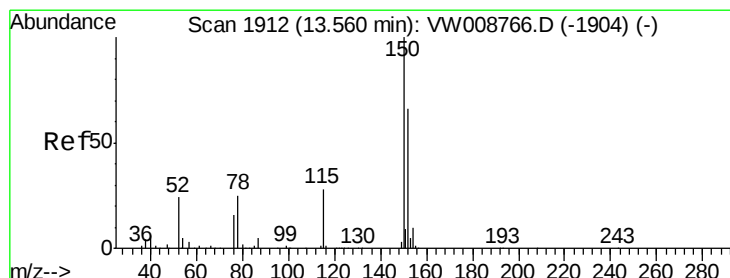
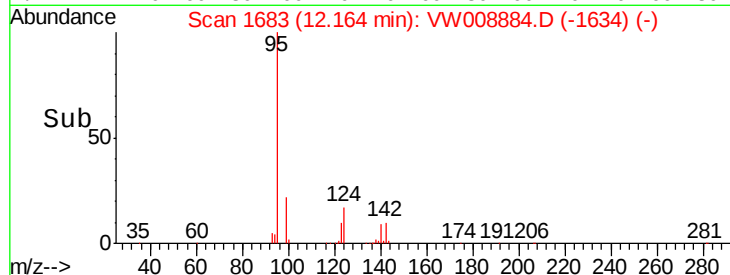
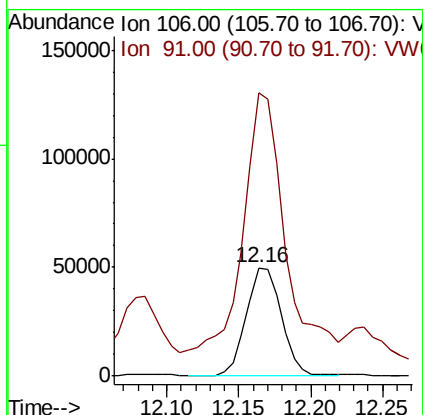
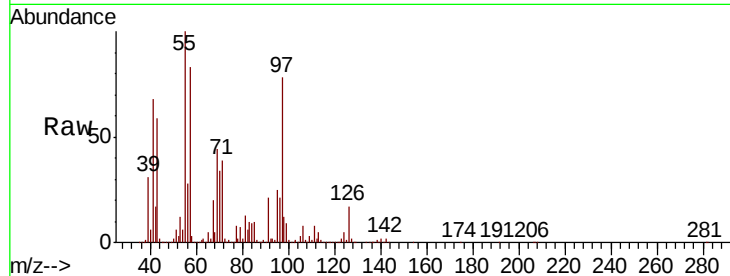




#69
o-Xylene
Concen: 7.947 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

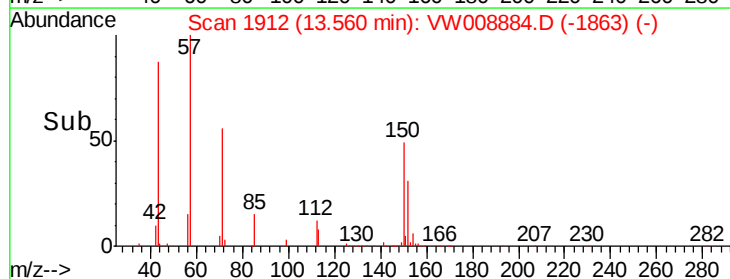
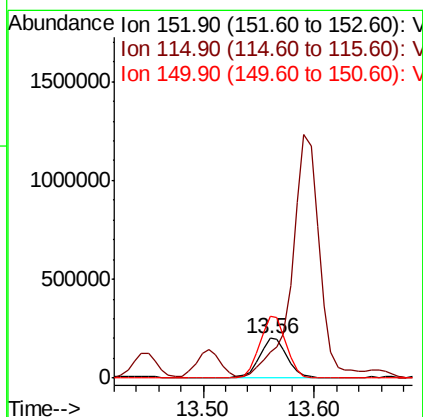
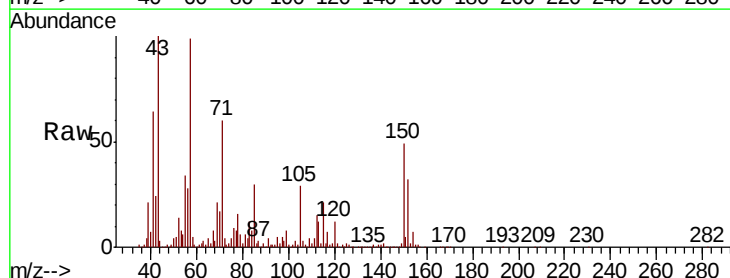
Instrument :
MSVOA_W
ClientSampleId :
B-8(7.5-8.5)RE

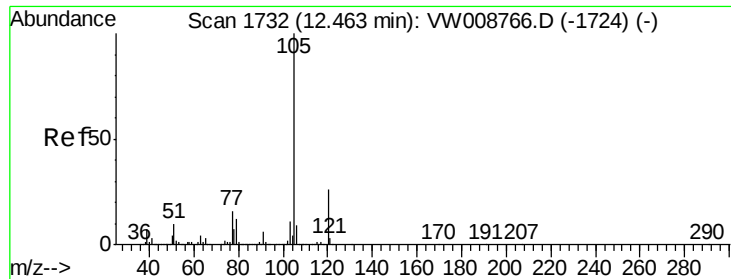
Tot Ion:106 Resp: 82743
Ion Ratio Lower Upper
106 100
91 276.5 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008884.D
Acq: 28 Feb 2019 13:47

Tgt Ion:152 Resp: 349535
Ion Ratio Lower Upper
152 100
115 0.0 28.6 85.8#
150 147.9 0.0 348.0





#73

Isopropylbenzene

Concen: 482.817 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

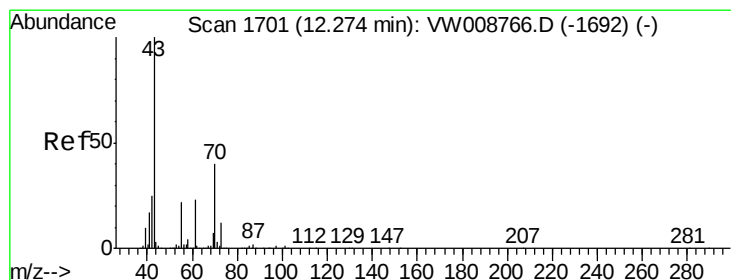
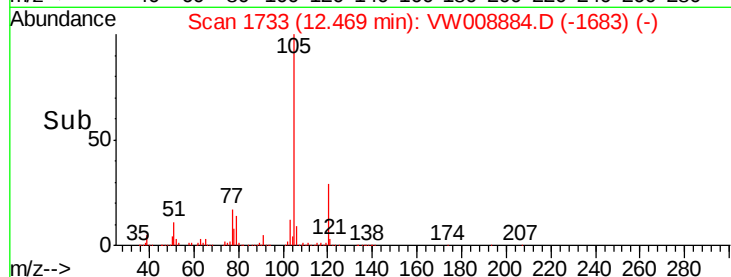
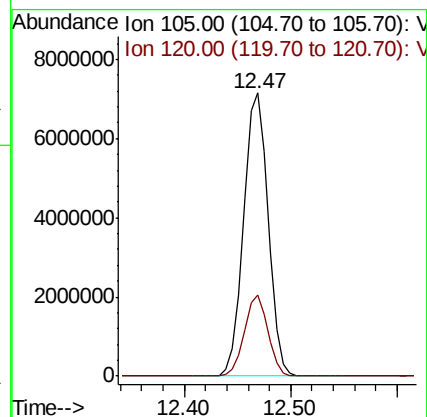
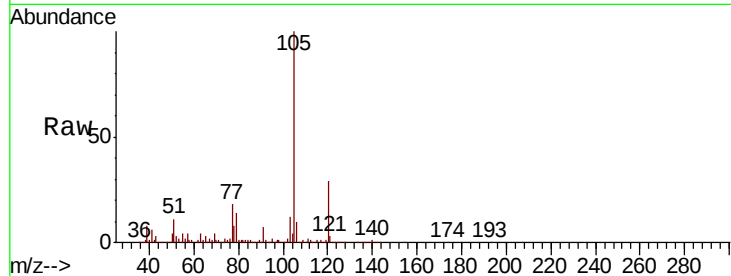
B-8(7.5-8.5)RE

Tot Ion:105 Resp:11569290

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.9



#74

N-ethyl acetate

Concen: 284.980 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Tgt Ion: 43 Resp: 1720106

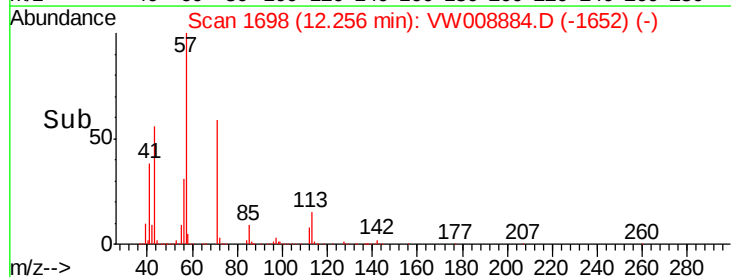
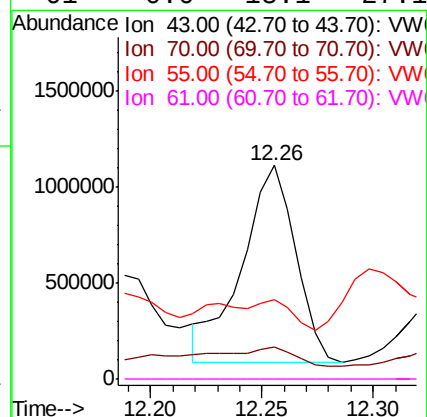
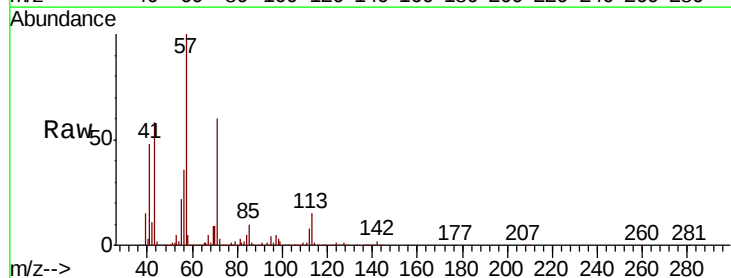
Ion Ratio Lower Upper

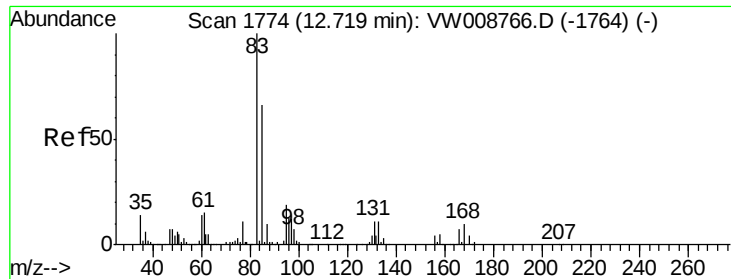
43 100

70 18.6 31.0 46.6#

55 0.0 18.7 28.1#

61 0.0 18.1 27.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 21.612 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)RE

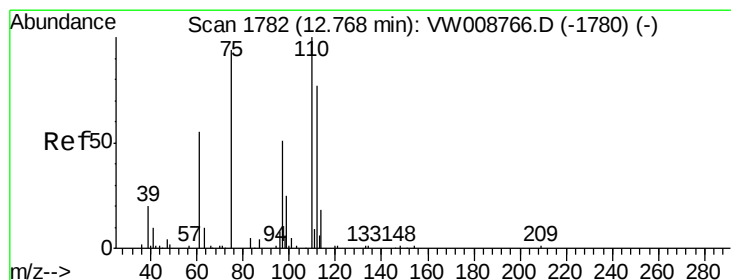
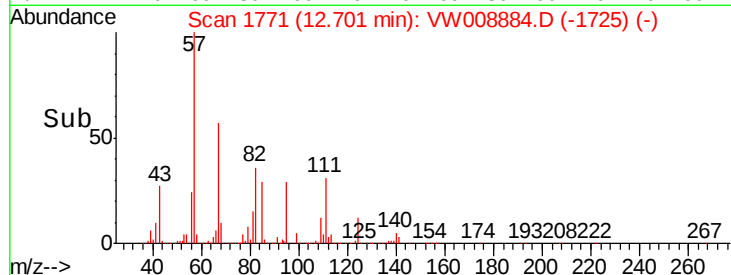
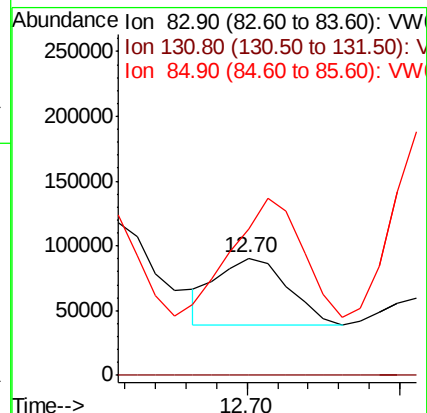
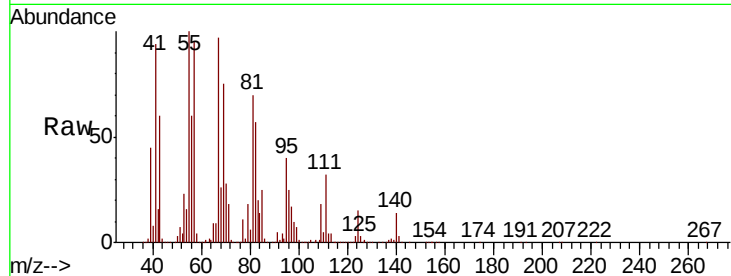
Tot Ion: 83 Resp: 84617

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 173.3 33.0 98.9#



#76

1,2,3-Trichloropropane

Concen: 132.282 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW008884.D

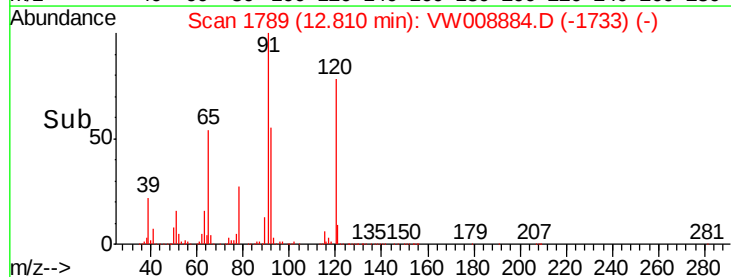
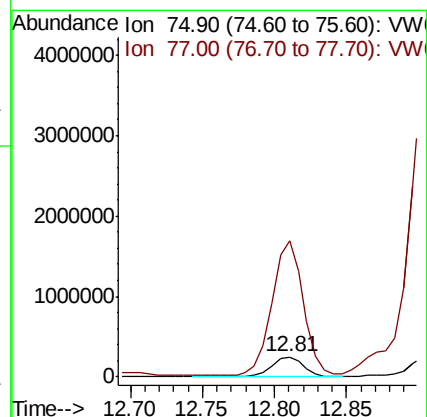
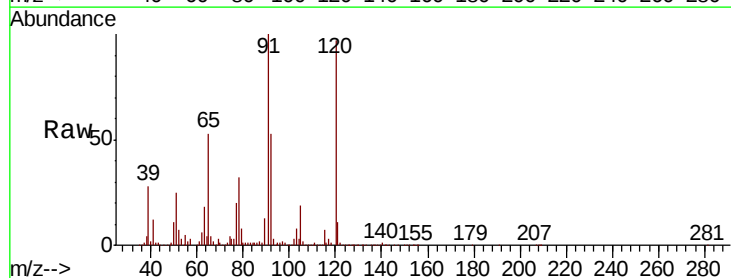
Acq: 28 Feb 2019 13:47

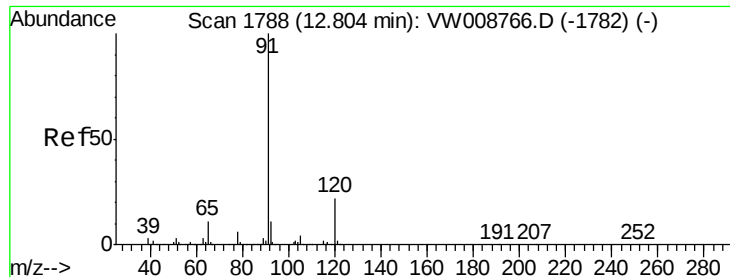
Tgt Ion: 75 Resp: 381750

Ion Ratio Lower Upper

75 100

77 666.6 0.0 0.0#





#78

n-propylbenzene

Concen: 184.974 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.10 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

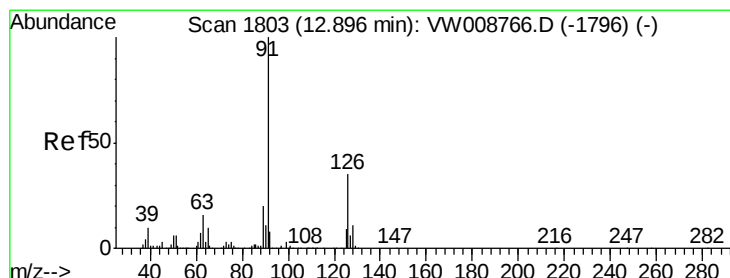
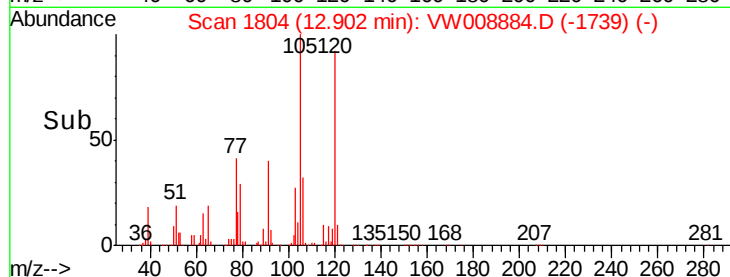
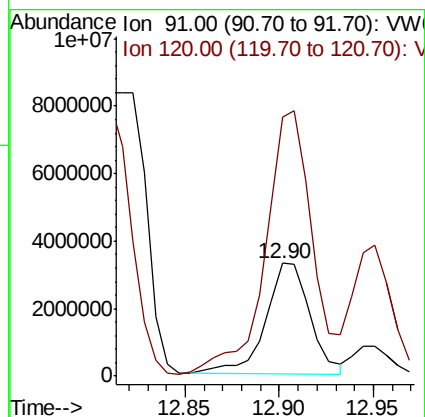
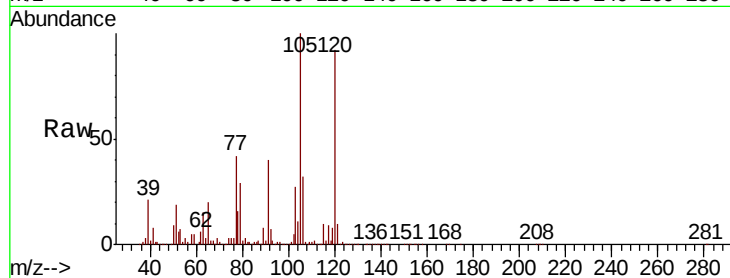
B-8(7.5-8.5)RE

Tot Ion: 91 Resp: 5421783

Ion Ratio Lower Upper

91 100

120 253.9 11.5 34.4#



#79

2-Chlorotoluene

Concen: 325.796 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW008884.D

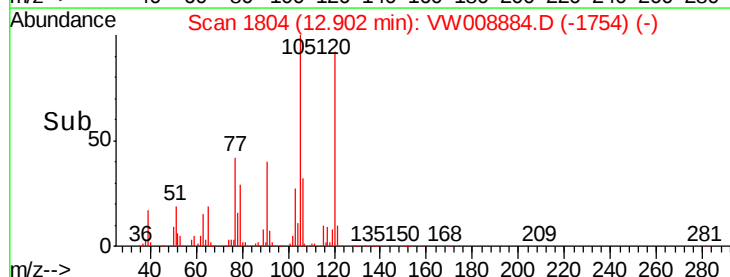
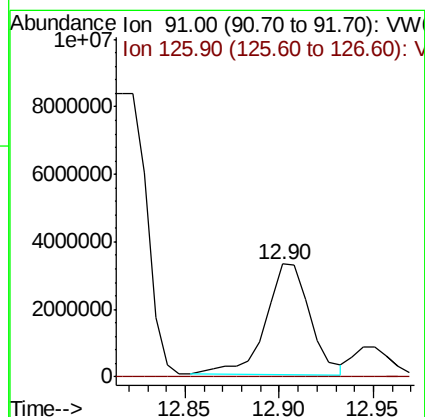
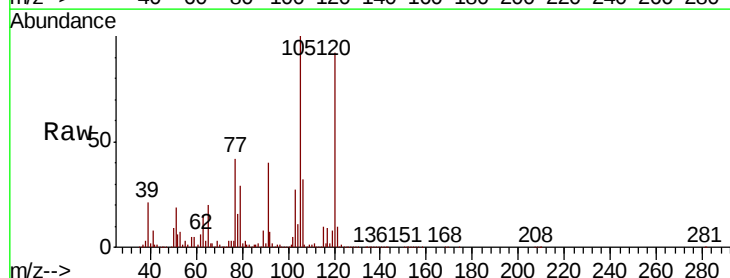
Acq: 28 Feb 2019 13:47

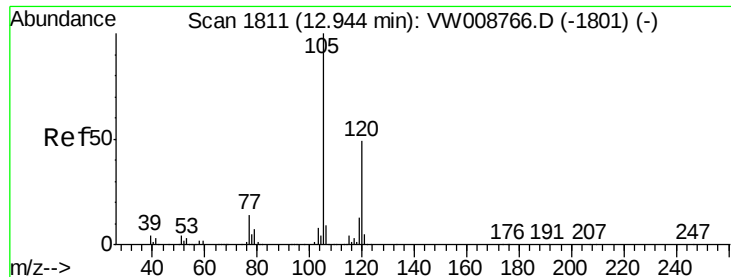
Tgt Ion: 91 Resp: 5421783

Ion Ratio Lower Upper

91 100

126 0.0 17.0 51.0#





#80

1,3,5-Trimethylbenzene

Concen: 505.819 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

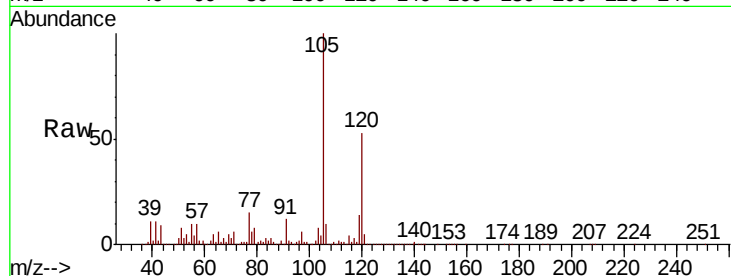
B-8(7.5-8.5)RE

Tot Ion:105 Resp:10532920

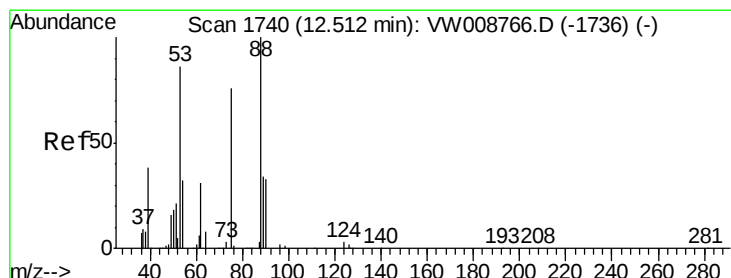
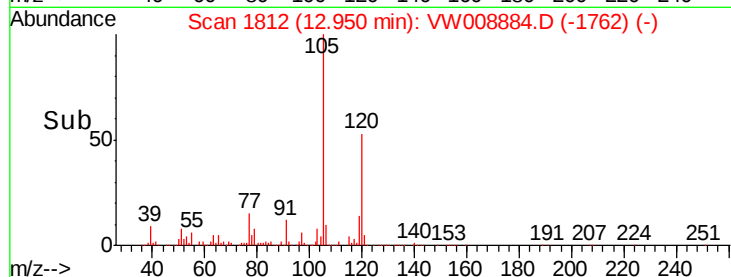
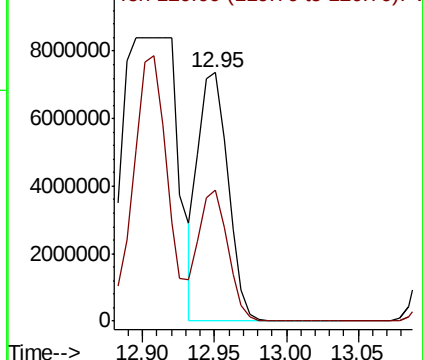
Ion Ratio Lower Upper

105 100

120 51.2 24.8 74.4



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



#81

trans-1,4-Dichloro-2-butene

Concen: 127.140 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.04 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

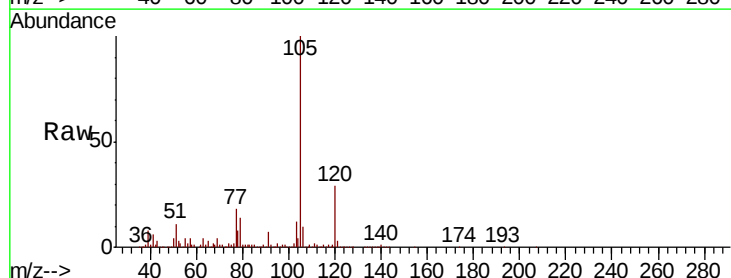
Tgt Ion: 75 Resp: 150925

Ion Ratio Lower Upper

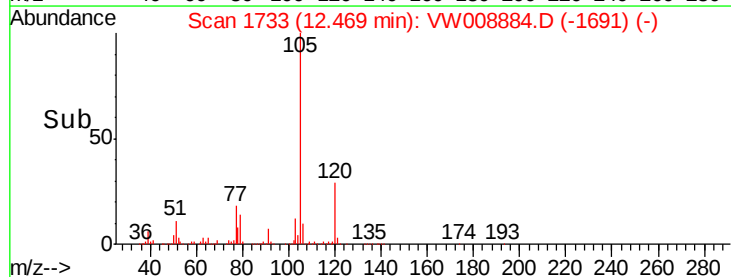
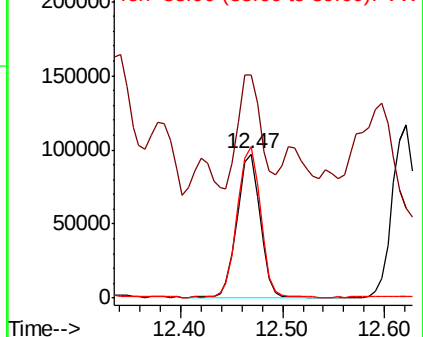
75 100

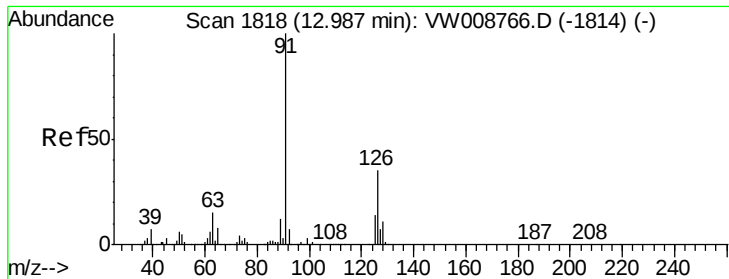
53 144.0 88.2 132.2#

89 106.5 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW





#82

4-Chlorotoluene

Concen: 70.599 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.04 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

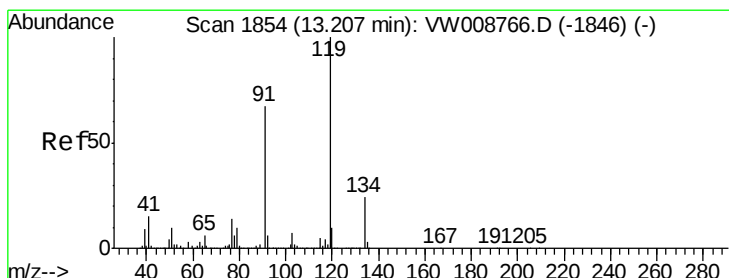
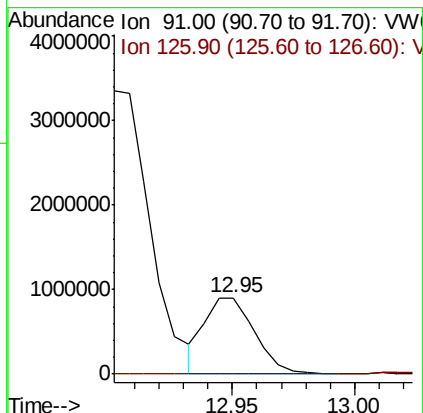
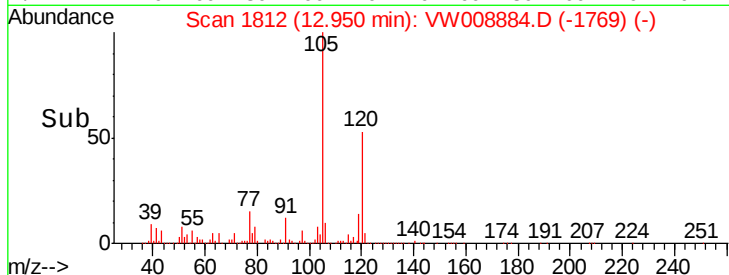
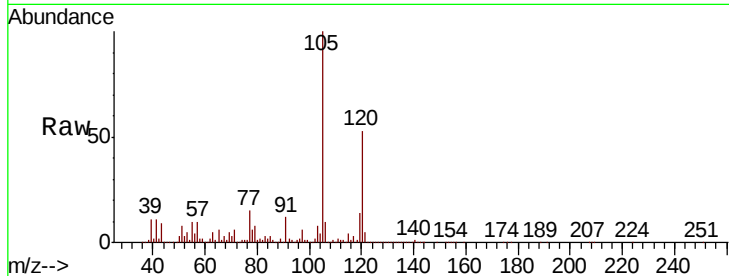
B-8(7.5-8.5)RE

Tot Ion: 91 Resp: 1238099

Ion Ratio Lower Upper

91 100

126 1.6 17.2 51.6#



#83

tert-Butylbenzene

Concen: 587.802 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.05 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

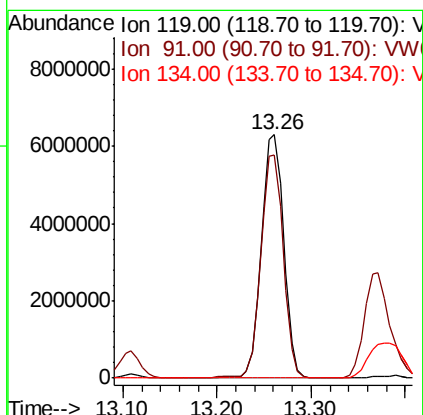
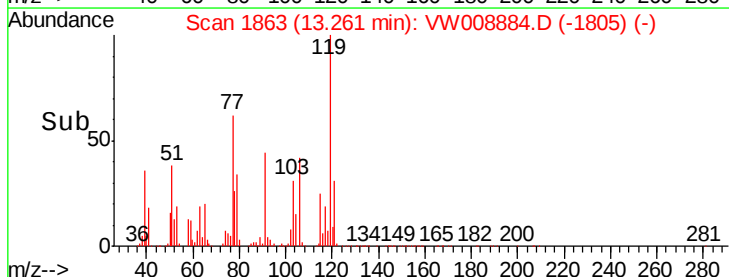
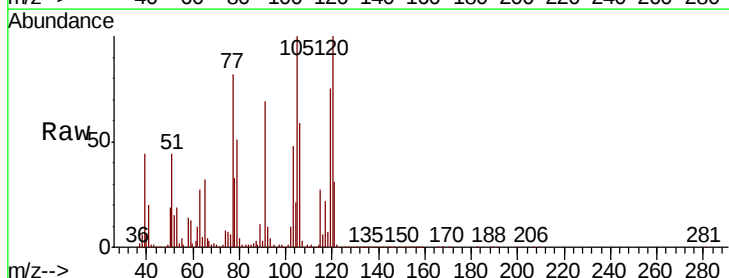
Tgt Ion: 119 Resp: 10583546

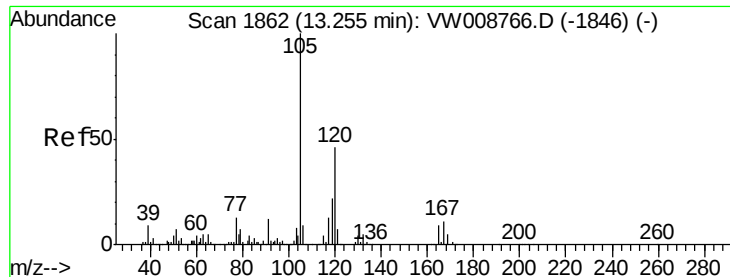
Ion Ratio Lower Upper

119 100

91 91.6 33.6 100.8

134 0.0 13.7 41.1#





#84

1,2,4-Trimethylbenzene

Concen: 385.515 ug/l

RT: 13.11 min Scan# 1838

Delta R.T. -0.15 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

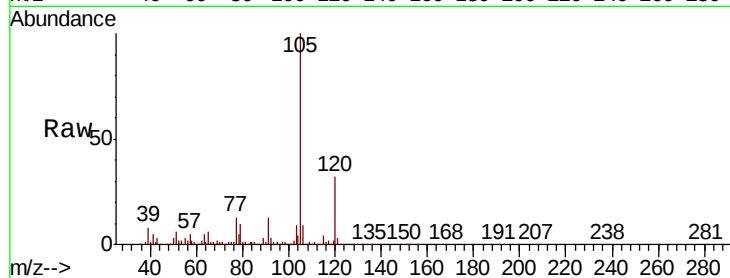
B-8(7.5-8.5)RE

Tot Ion:105 Resp: 8310052

Ion Ratio Lower Upper

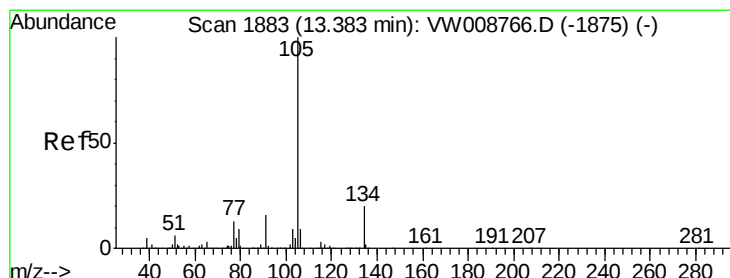
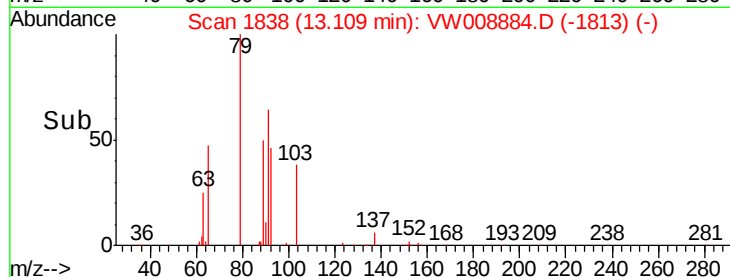
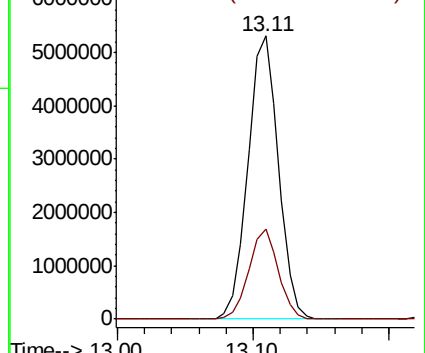
105 100

120 30.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 223.742 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW008884.D

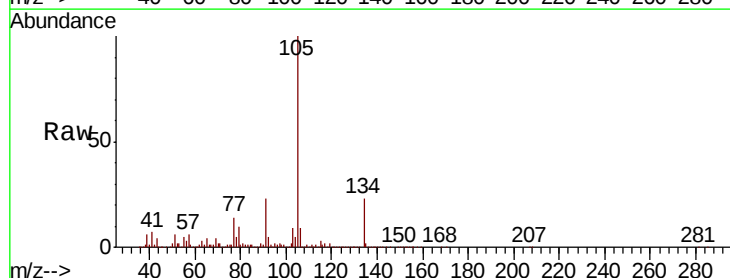
Acq: 28 Feb 2019 13:47

Tgt Ion:105 Resp: 5792652

Ion Ratio Lower Upper

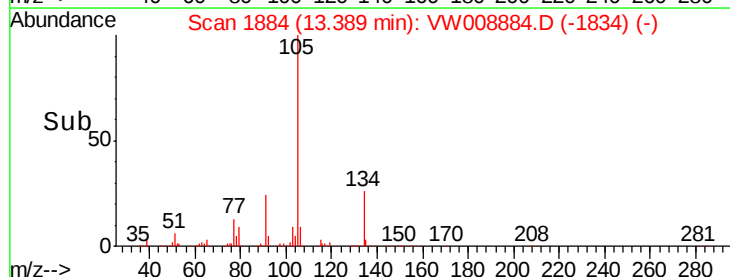
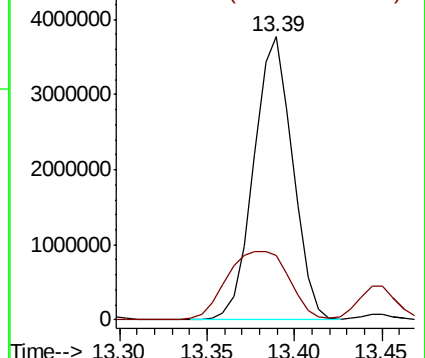
105 100

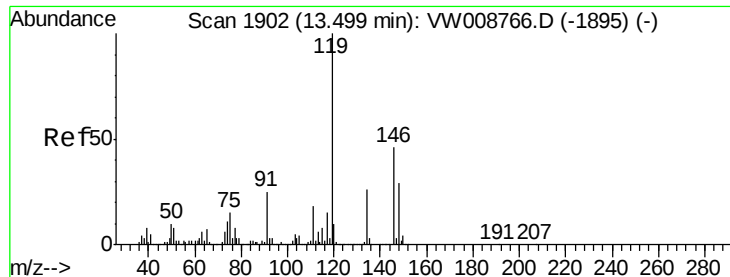
134 38.9 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 115.346 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)RE

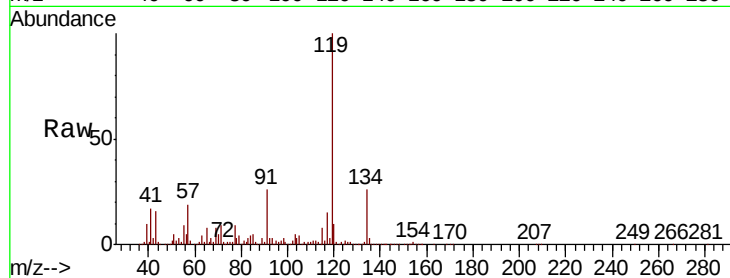
Tot Ion:119 Resp: 2737637

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

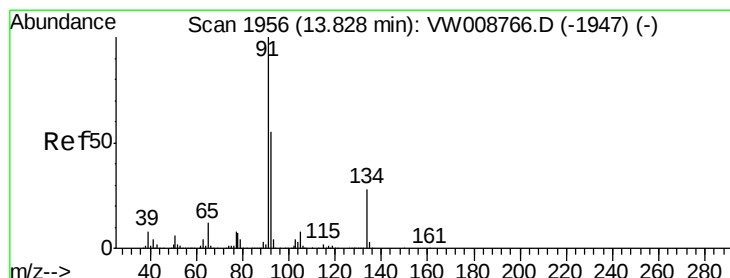
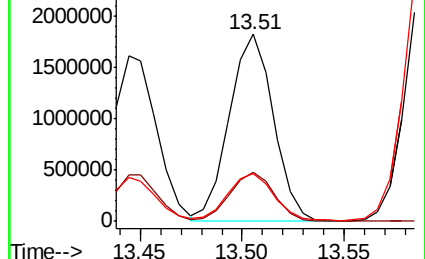
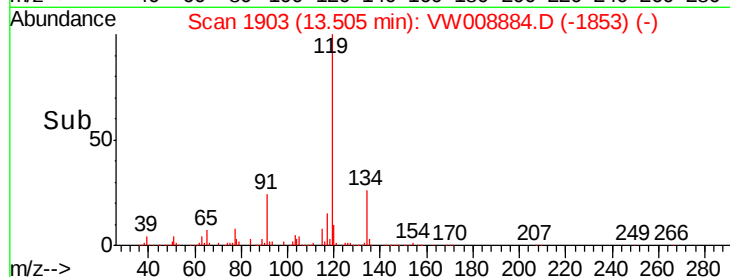
91 25.6 12.1 36.3



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: 651.489 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

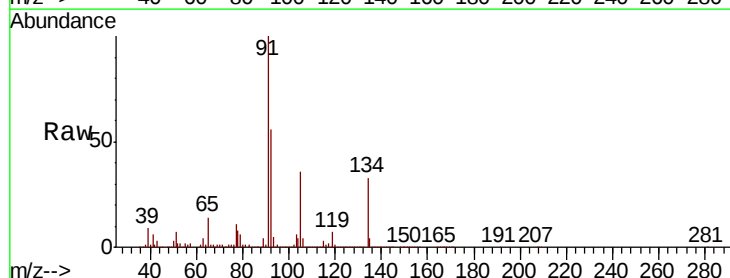
Tgt Ion: 91 Resp:14486010

Ion Ratio Lower Upper

91 100

92 41.1 26.8 80.4

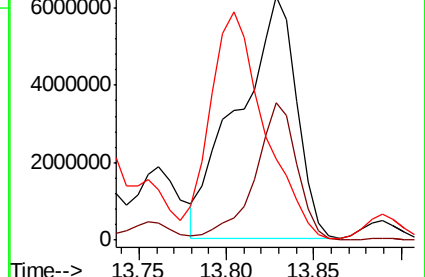
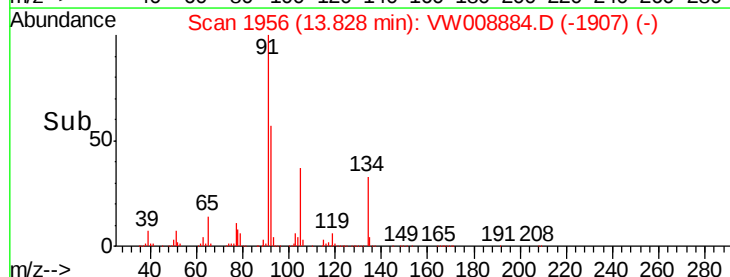
134 0.0 13.5 40.4#

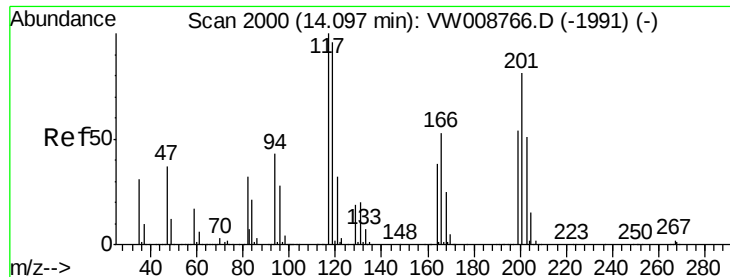


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1200.644 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

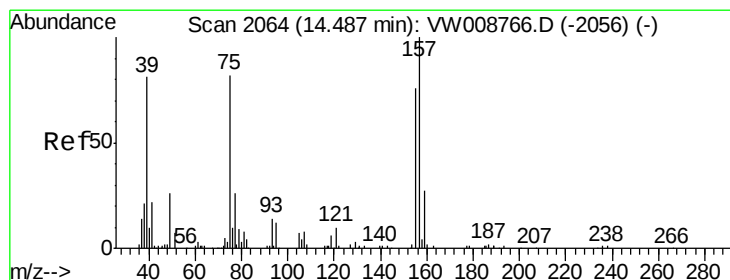
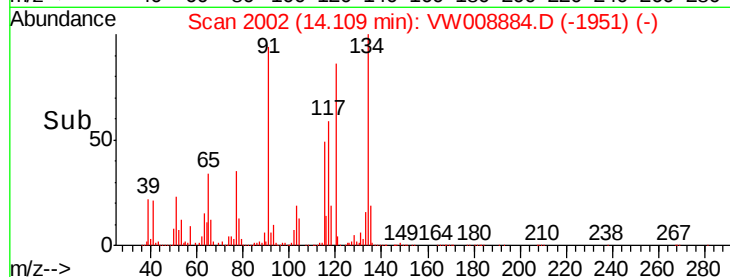
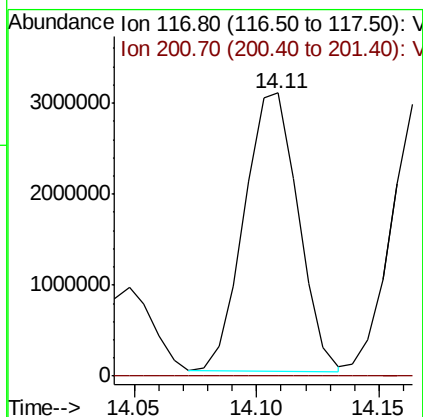
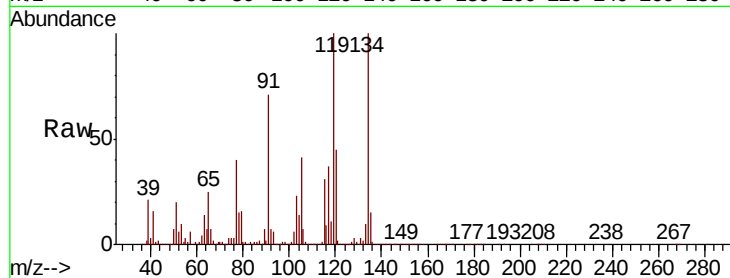
B-8(7.5-8.5)RE

Tot Ion:117 Resp: 4664975

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.171 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

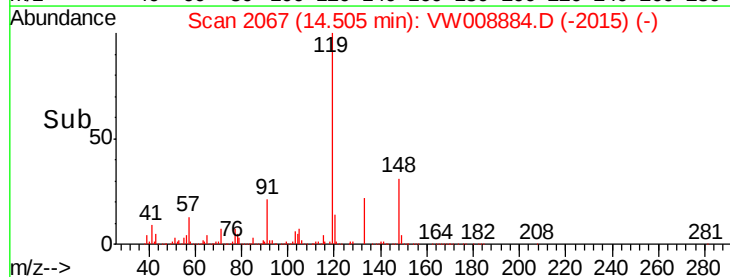
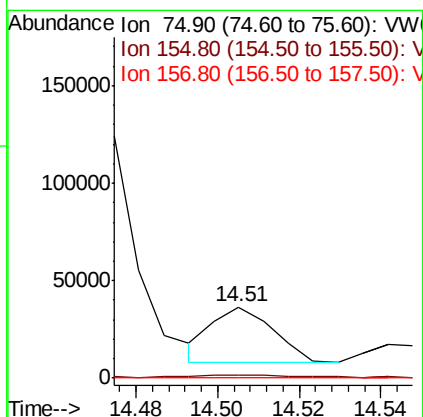
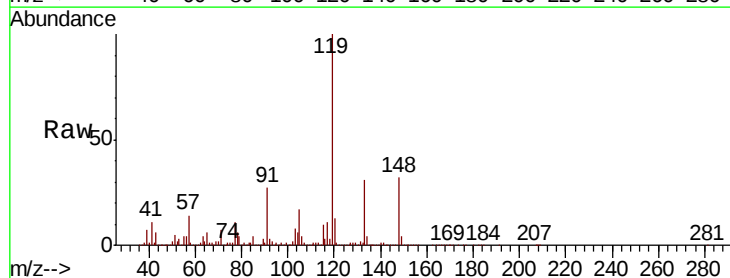
Tgt Ion: 75 Resp: 29868

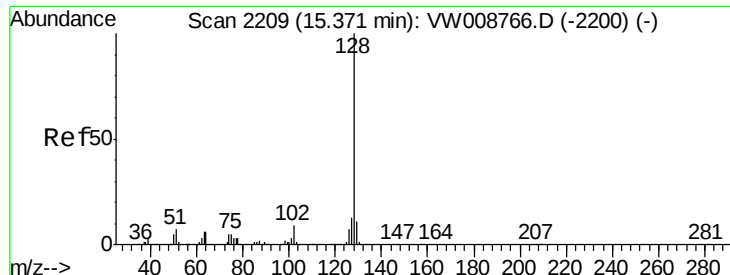
Ion Ratio Lower Upper

75 100

155 7.5 41.8 125.4#

157 0.4 56.6 169.9#





#95

Naphthalene

Concen: 766.797 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008884.D

Acq: 28 Feb 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

B-8(7.5-8.5)RE

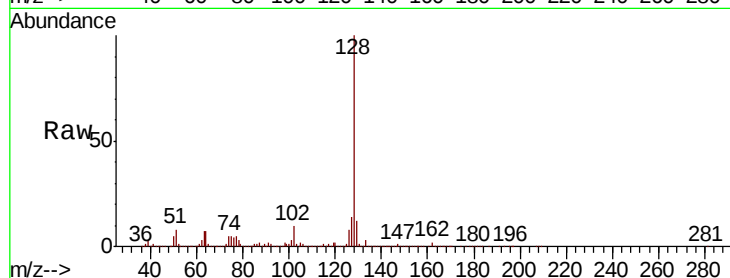
Tot Ion:128 Resp: 9847037

Ion Ratio Lower Upper

128 100

127 14.3 10.8 16.2

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

