

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112718\
 Data File : VW007094.D
 Acq On : 27 Nov 2018 18:02
 Operator : VAY/AP
 Sample : J6074-01
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 001-WC-NY5

Quant Time: Nov 28 00:28:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

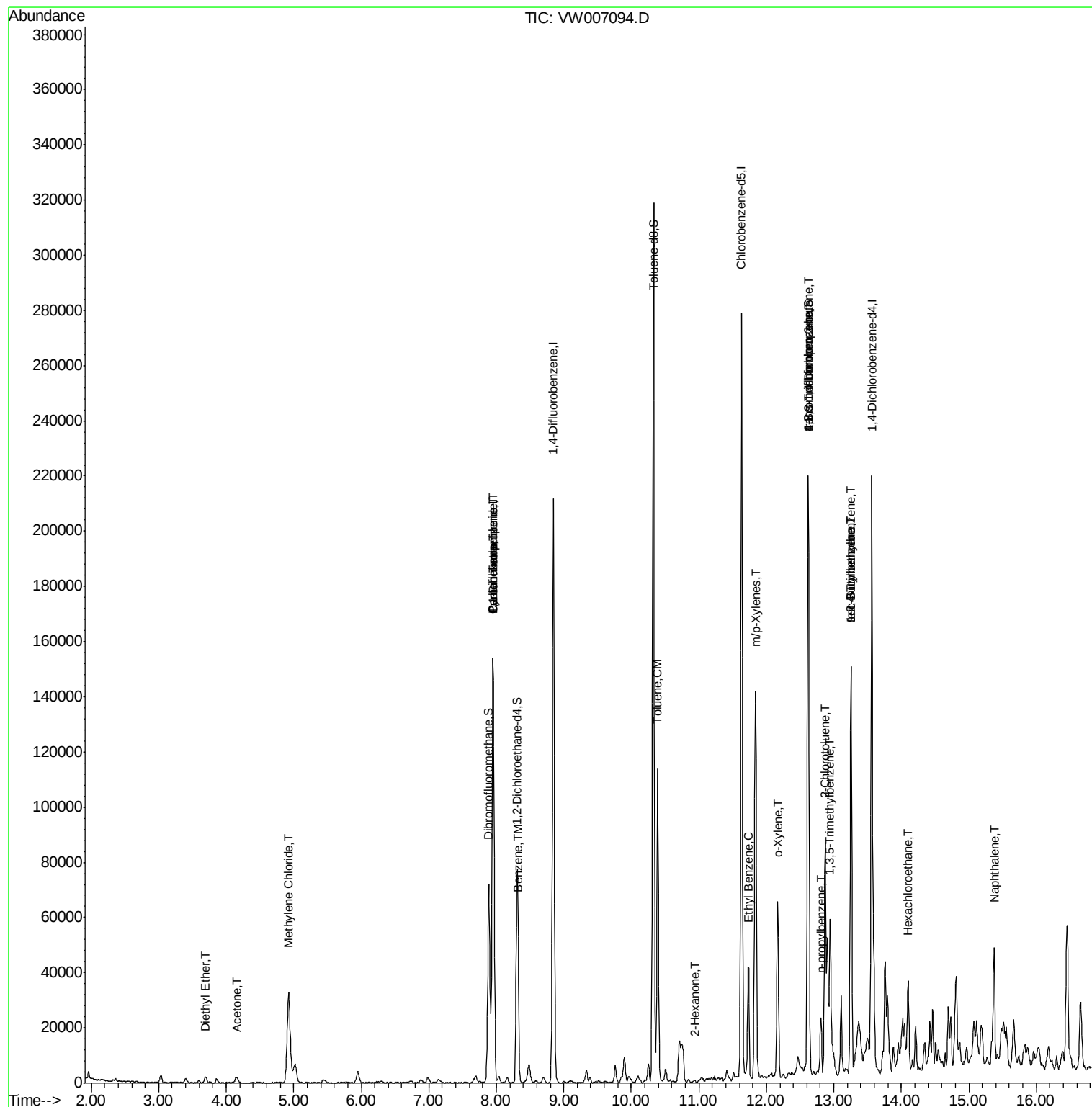
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	114922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	180978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	156712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56696	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	62546	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
35) Dibromofluoromethane	7.89	113	52320	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.33	98	220145	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.62	95	72354	40.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.48%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.70	74	1201	2.037	ug/l	88
16) Acetone	4.16	43	4365	26.721	ug/l	98
20) Methylene Chloride	4.93	84	25401	15.821	ug/l	98
31) Cyclohexane	7.96	56	2845	1.313	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8732	4.937	ug/l #	50
38) Carbon Tetrachloride	7.95	117	11689	6.902	ug/l #	17
40) Benzene	8.33	78	5099	1.068	ug/l #	87
52) Toluene	10.39	92	48157	14.823	ug/l	99
59) 2-Hexanone	10.94	43	441	1.043	ug/l #	24
67) Ethyl Benzene	11.73	91	28824	4.797	ug/l	99
68) m/p-Xylenes	11.84	106	44232	18.763	ug/l	100
69) o-Xylene	12.17	106	17150	7.715	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	36012	80.833	ug/l #	100
78) n-propylbenzene	12.81	91	16855	3.158	ug/l	97
79) 2-Chlorotoluene	12.87	91	5920	1.924	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.95	105	21117	5.542	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	36012	202.938	ug/l #	10
83) tert-Butylbenzene	13.26	119	10590	3.210	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.26	105	81508	21.470	ug/l	98
85) sec-Butylbenzene	13.26	105	81508	17.489	ug/l #	57
90) Hexachloroethane	14.10	117	1593	2.654	ug/l #	14
95) Naphthalene	15.38	128	35873	17.702	ug/l	96

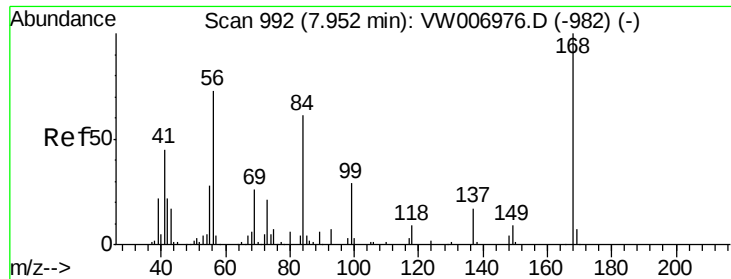
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 28 00:28:14 2018
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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007094.D

Acq: 27 Nov 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

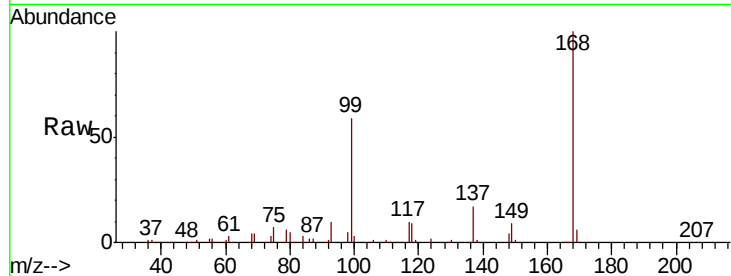
001-WC-NY5

Tot Ion:168 Resp: 114922

Ion Ratio Lower Upper

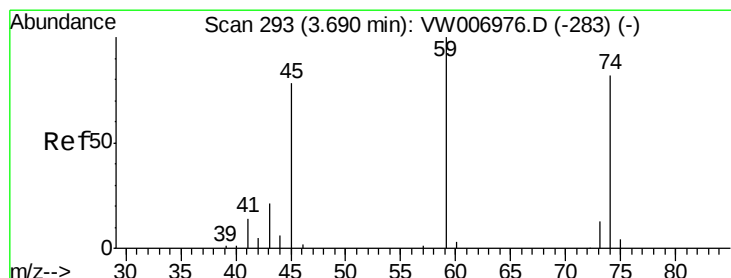
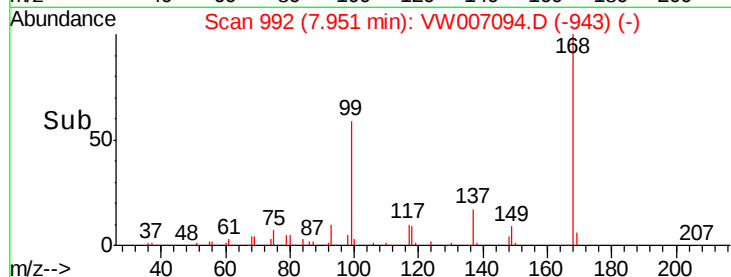
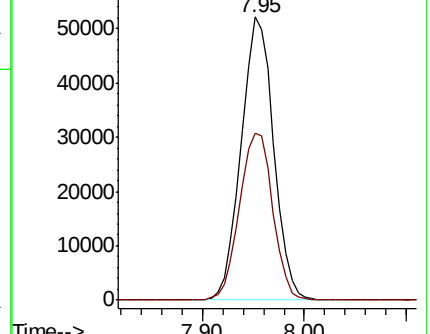
168 100

99 59.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.037 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW007094.D

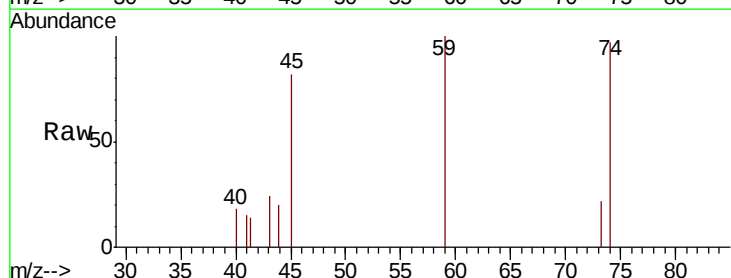
Acq: 27 Nov 2018 18:02

Tgt Ion: 74 Resp: 1201

Ion Ratio Lower Upper

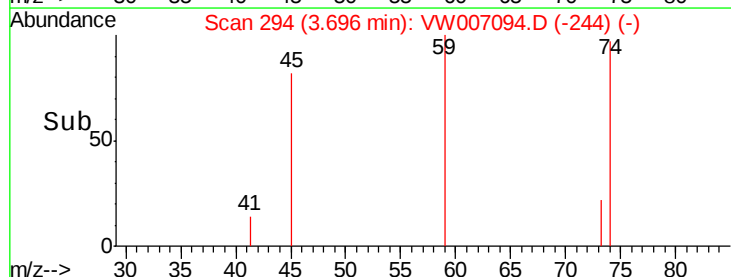
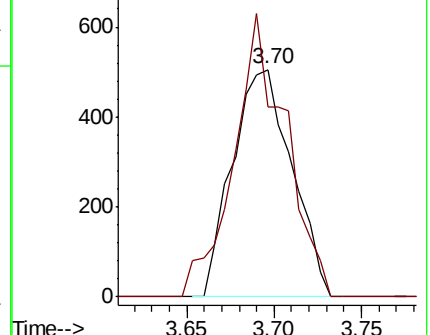
74 100

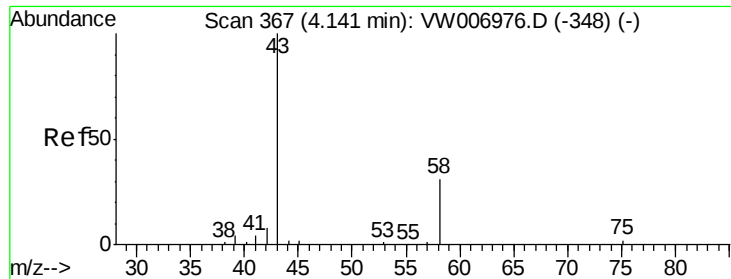
45 108.4 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

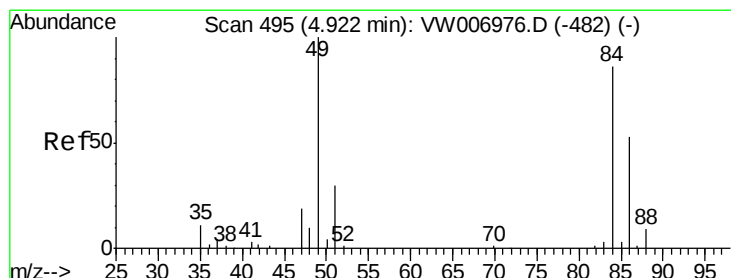
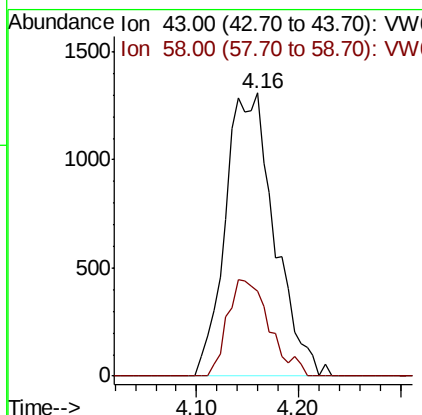
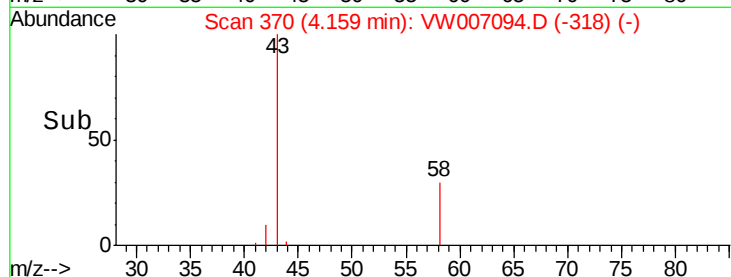
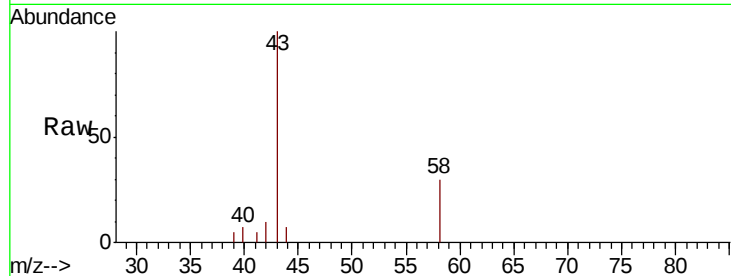




#16
Acetone
Concen: 26.721 ug/l
RT: 4.16 min Scan# 370
Delta R.T. 0.02 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

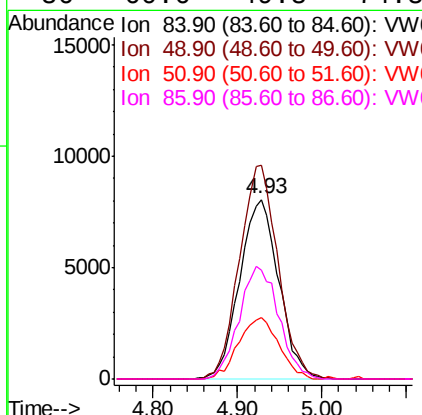
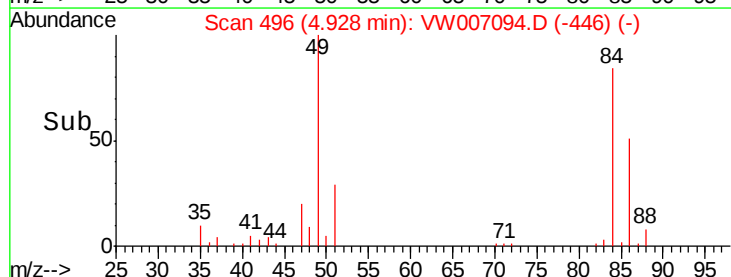
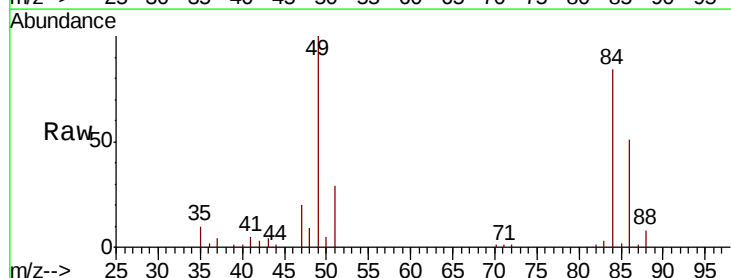
Instrument :
MSVOA_W
ClientSampled :
001-WC-NY5

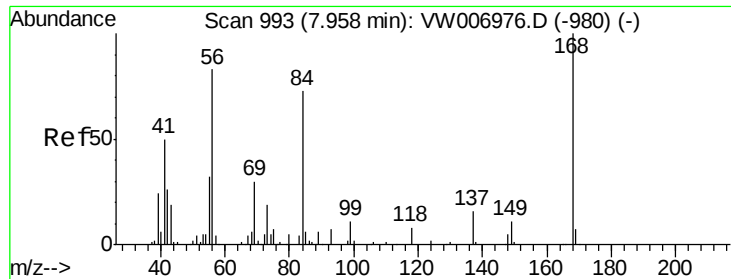
Tot Ion: 43 Resp: 4365
Ion Ratio Lower Upper
43 100
58 30.1 24.8 37.2



#20
Methylene Chloride
Concen: 15.821 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

Tgt Ion: 84 Resp: 25401
Ion Ratio Lower Upper
84 100
49 119.1 93.4 140.0
51 34.3 28.4 42.6
86 60.6 49.8 74.8

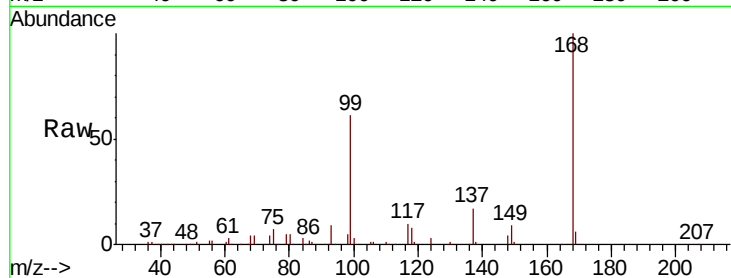




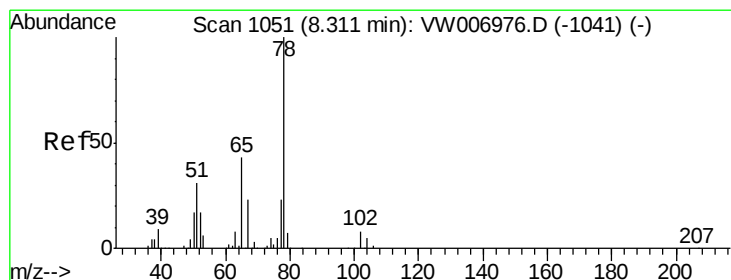
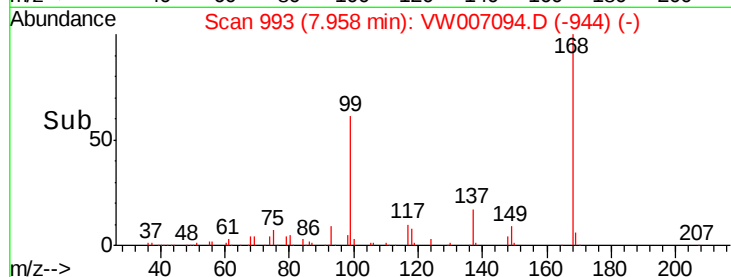
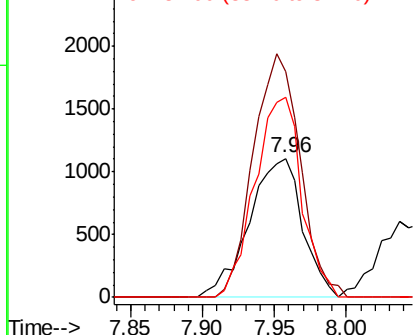
#31
Cyclohexane
Concen: 1.313 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

Instrument :
MSVOA_W
ClientSampleId :
001-WC-NY5

Tot Ion: 56 Resp: 2845
Ion Ratio Lower Upper
56 100
69 162.5 29.1 43.7#
84 144.0 70.6 105.8#

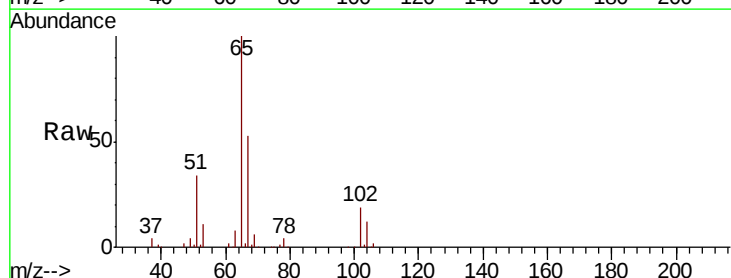


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

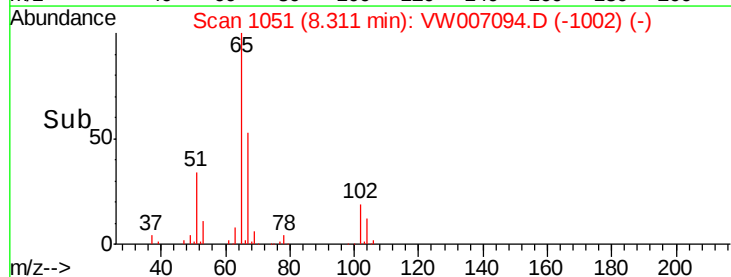
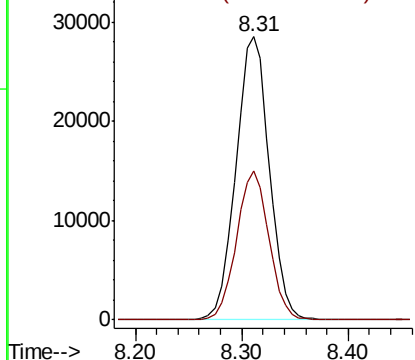


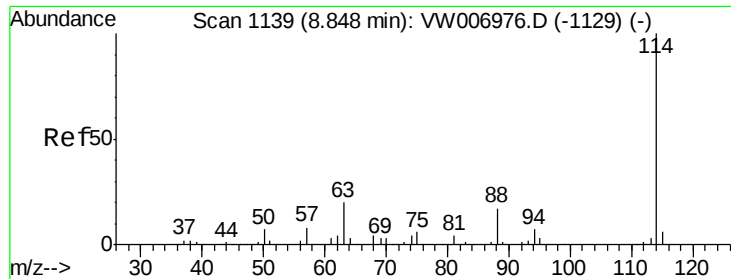
#33
1,2-Dichloroethane-d4
Concen: 55.591 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

Tgt Ion: 65 Resp: 62546
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2



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

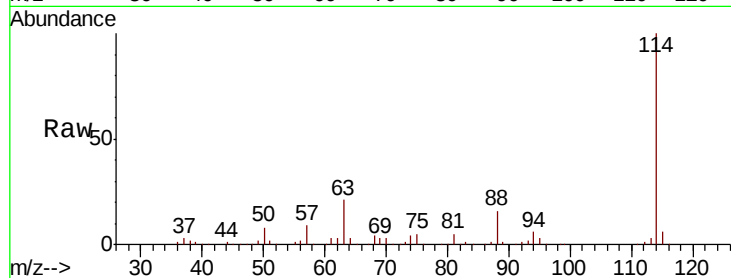




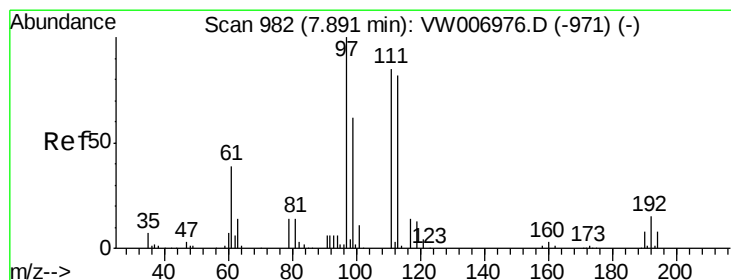
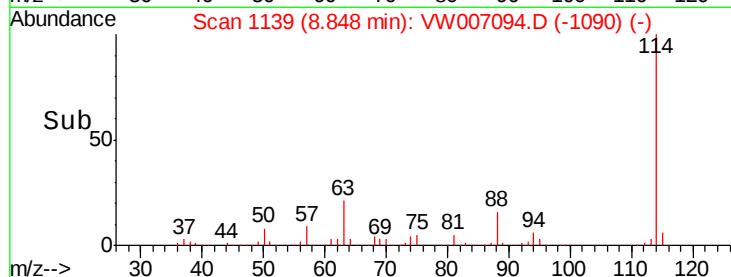
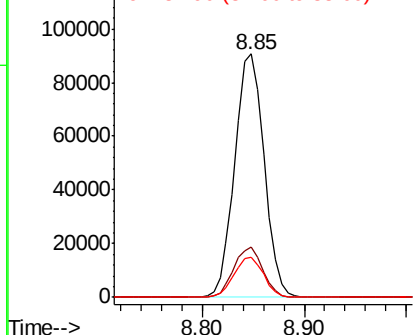
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007094.D
 Acq: 27 Nov 2018 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 001-WC-NY5

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.4
88	16.3	0.0	34.2

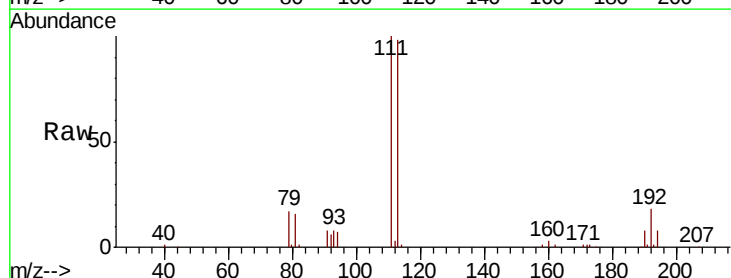


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

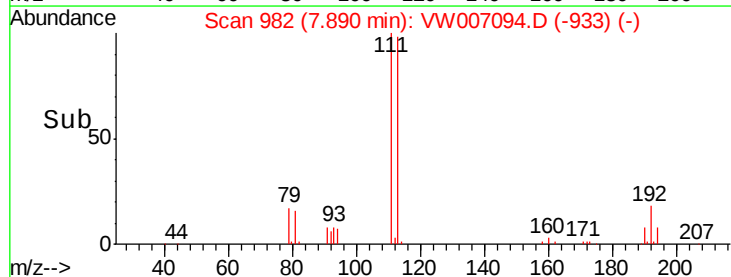
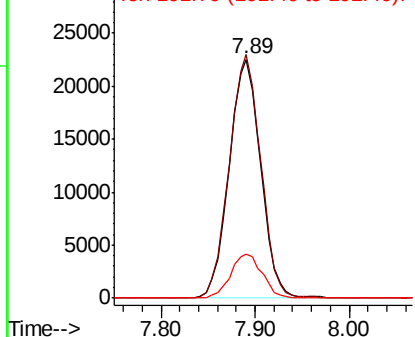


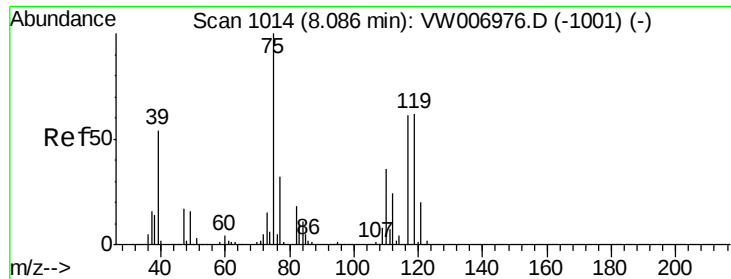
#35
 Dibromofluoromethane
 Concen: 51.192 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007094.D
 Acq: 27 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.6
192	18.5	15.0	22.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

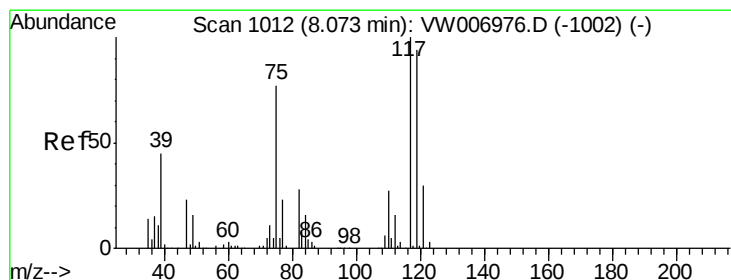
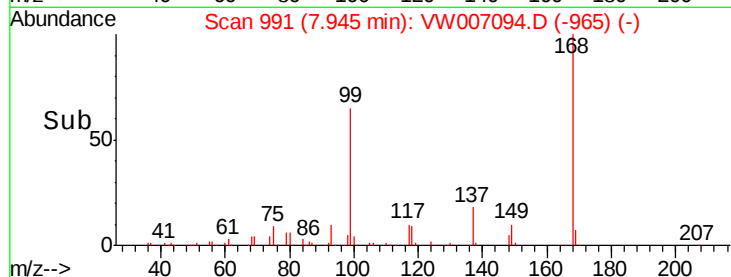
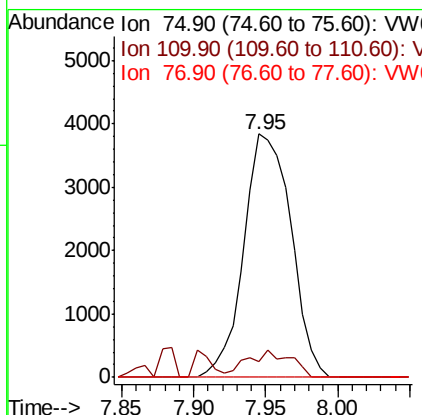
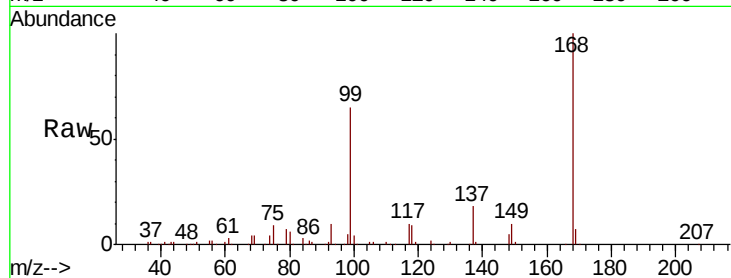




#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW007094.D
 Acq: 27 Nov 2018 18:02

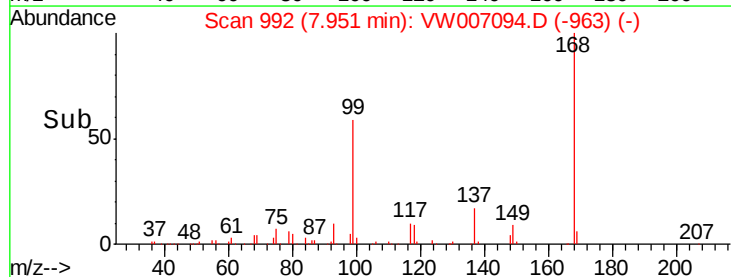
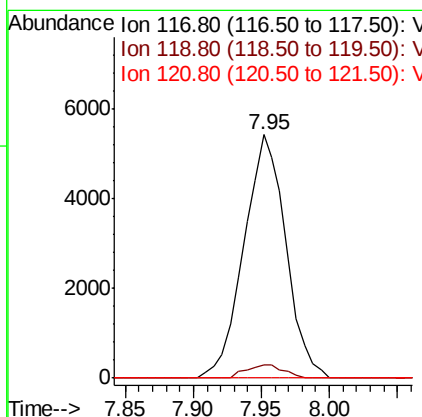
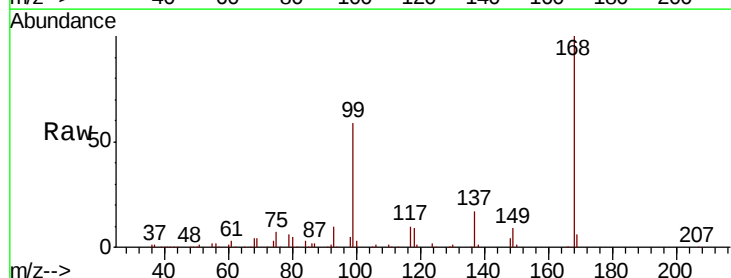
Instrument :
 MSVOA_W
 ClientSampleId :
 001-WC-NY5

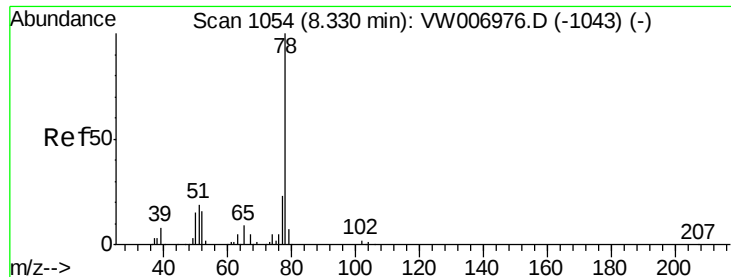
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.0	54.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.902 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007094.D
 Acq: 27 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.9	112.3#
121	0.0	23.6	35.4#





#40

Benzene

Concen: 1.068 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW007094.D

Acq: 27 Nov 2018 18:02

Instrument :

MSVOA_W

ClientSampled :

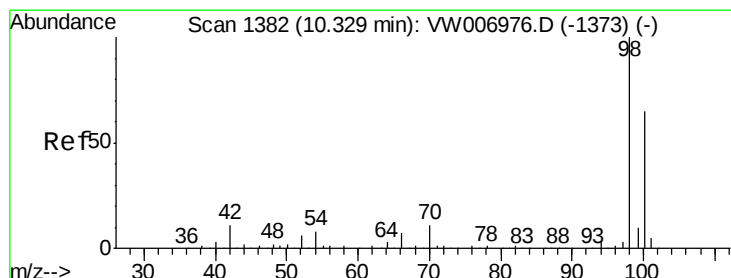
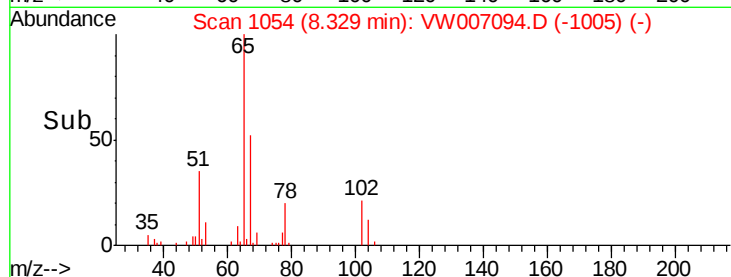
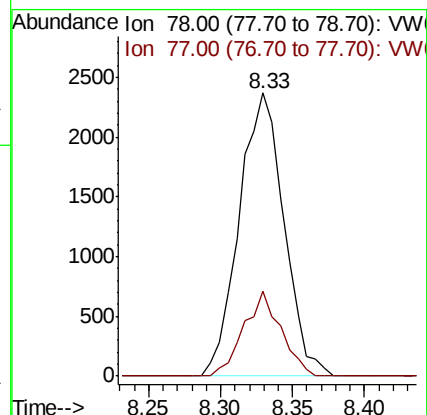
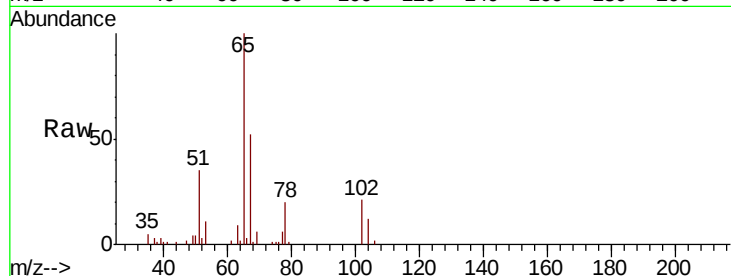
001-WC-NY5

Tot Ion: 78 Resp: 5099

Ion Ratio Lower Upper

78 100

77 29.9 18.6 28.0#



#50

Toluene-d8

Concen: 48.779 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007094.D

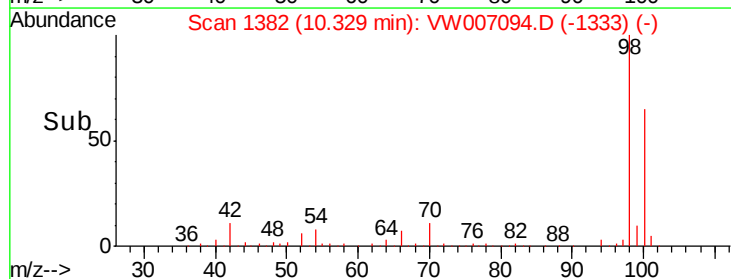
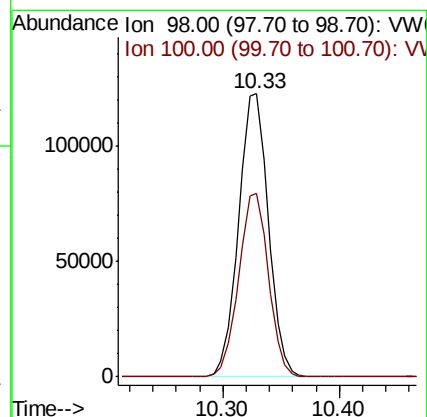
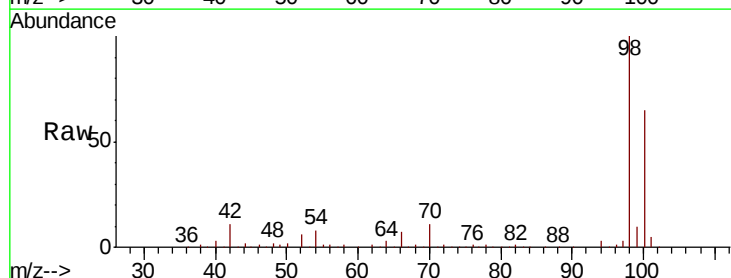
Acq: 27 Nov 2018 18:02

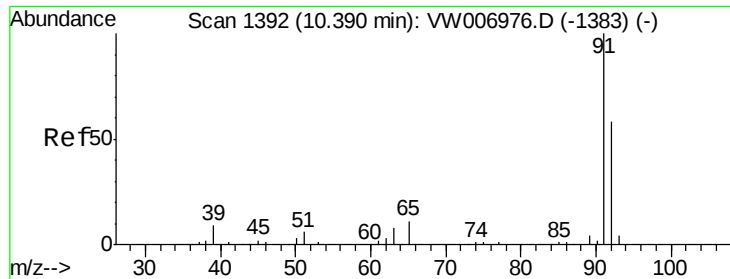
Tgt Ion: 98 Resp: 220145

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#52

Toluene

Concen: 14.823 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007094.D

Acq: 27 Nov 2018 18:02

Instrument :

MSVOA_W

ClientSampled :

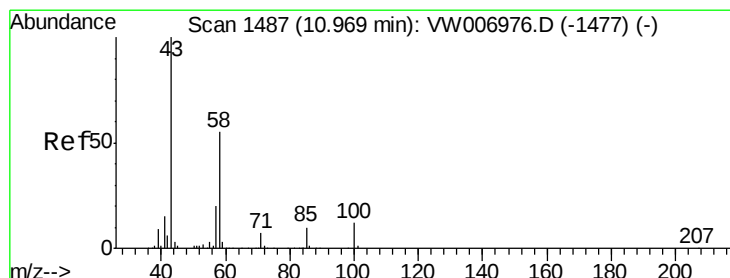
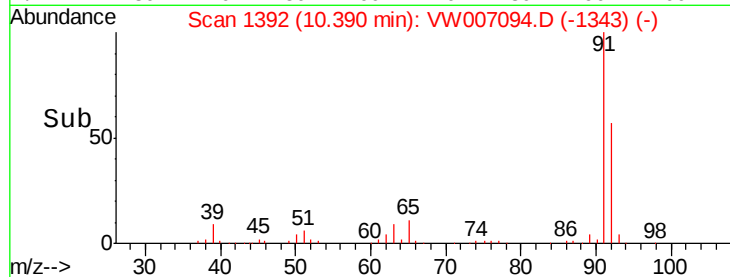
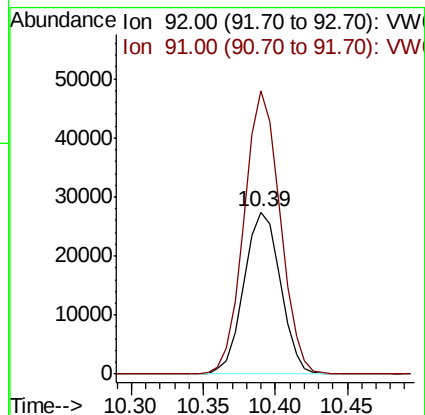
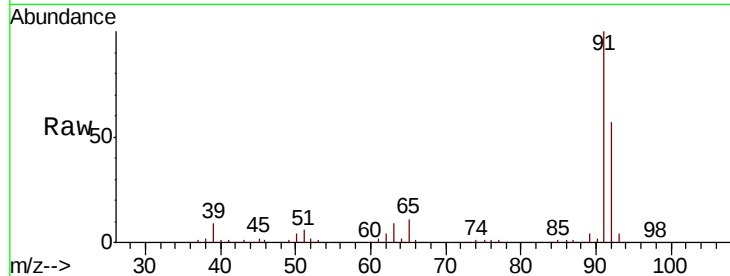
001-WC-NY5

Tot Ion: 92 Resp: 48157

Ion Ratio Lower Upper

92 100

91 172.9 137.3 205.9



#59

2-Hexanone

Concen: 1.043 ug/l

RT: 10.94 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VW007094.D

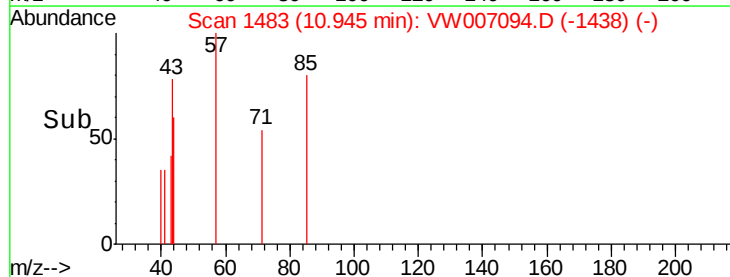
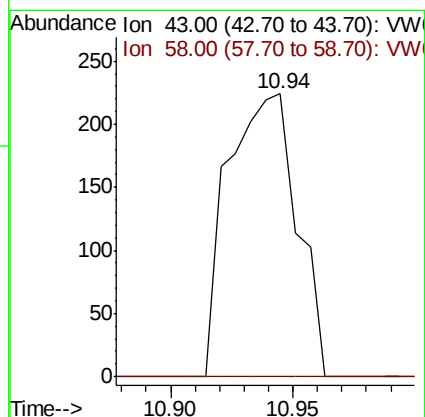
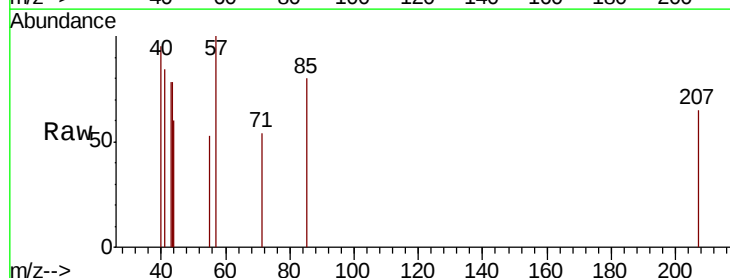
Acq: 27 Nov 2018 18:02

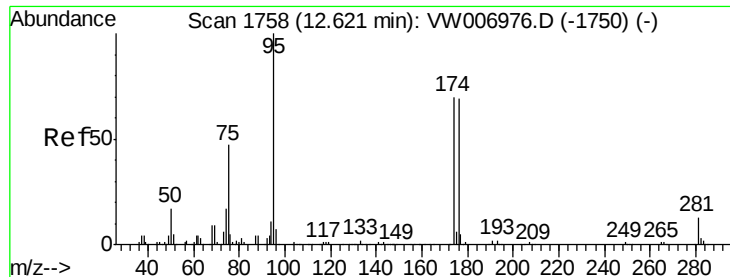
Tgt Ion: 43 Resp: 441

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 40.740 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007094.D

Acq: 27 Nov 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

001-WC-NY5

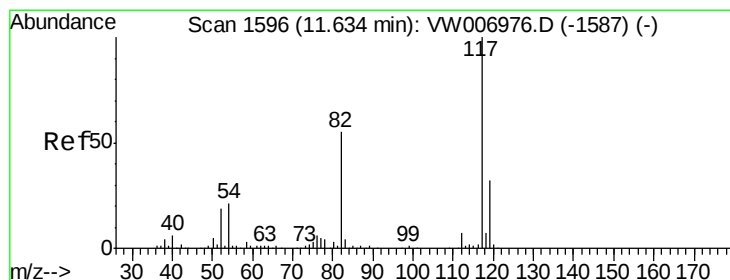
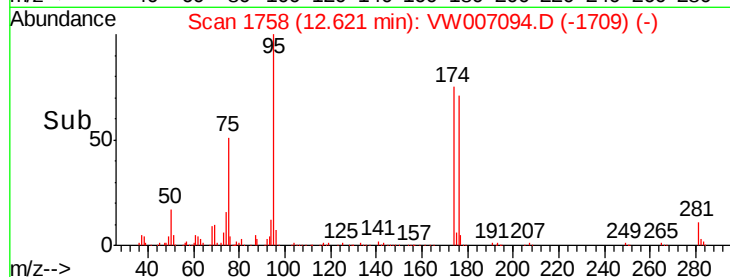
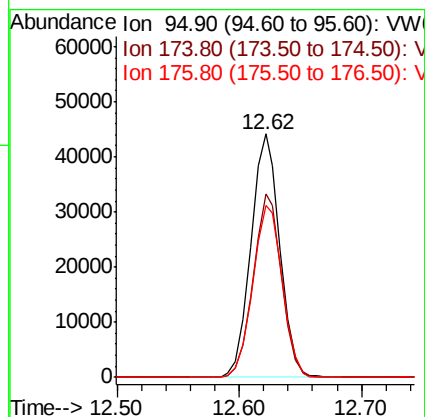
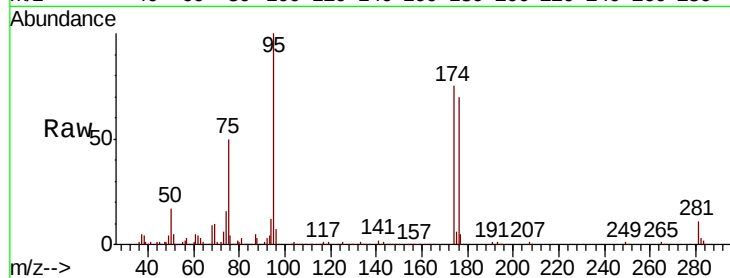
Tot Ion: 95 Resp: 72354

Ion Ratio Lower Upper

95 100

174 73.9 0.0 143.6

176 72.3 0.0 140.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007094.D

Acq: 27 Nov 2018 18:02

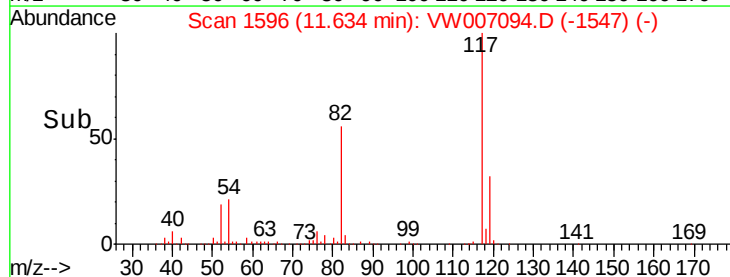
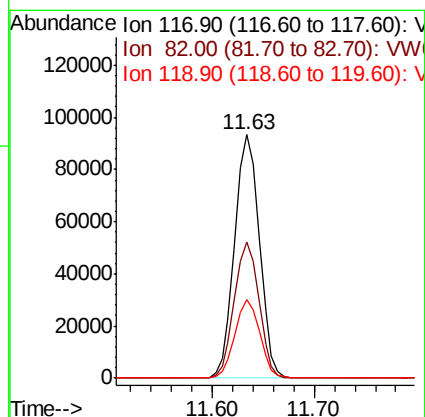
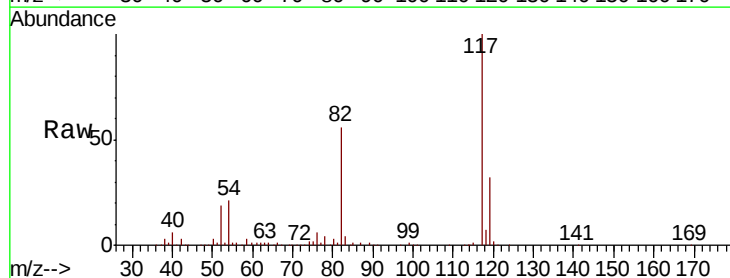
Tgt Ion: 117 Resp: 156712

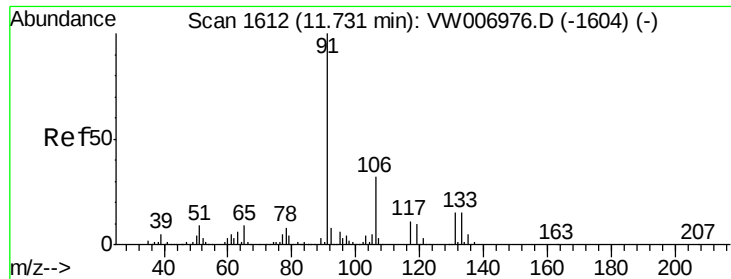
Ion Ratio Lower Upper

117 100

82 55.9 44.2 66.2

119 32.4 25.9 38.9

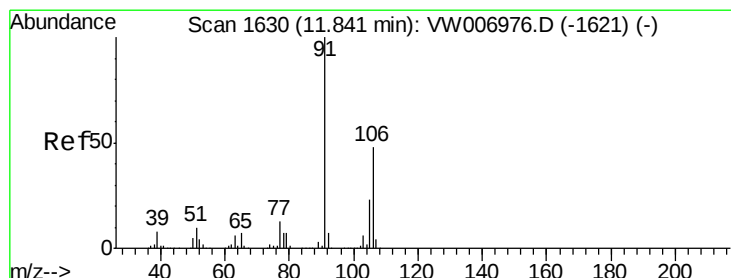
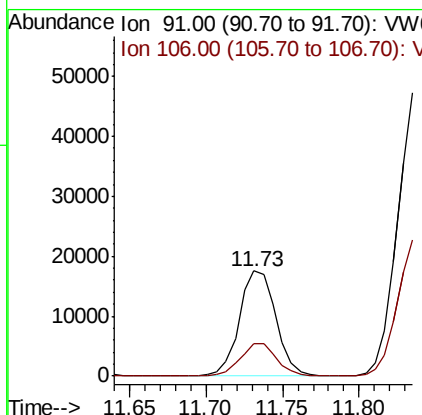
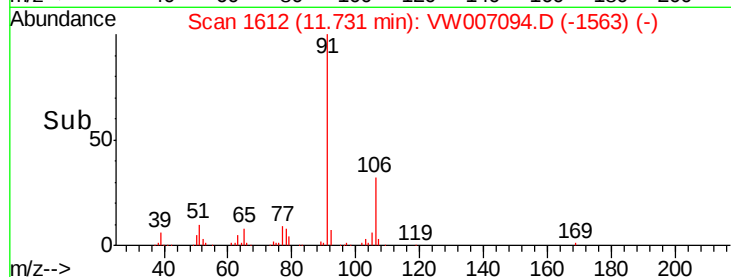
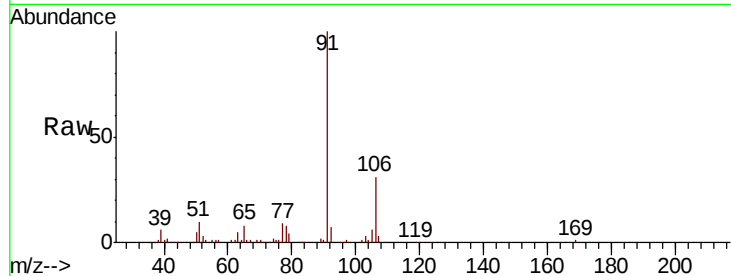




#67
Ethyl Benzene
Concen: 4.797 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

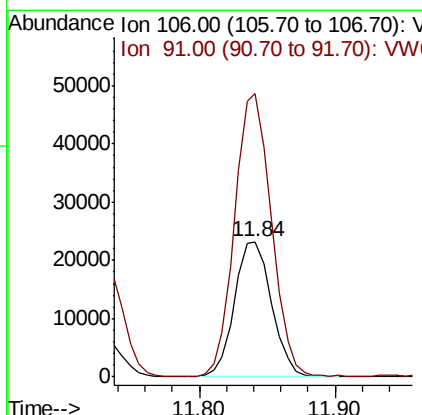
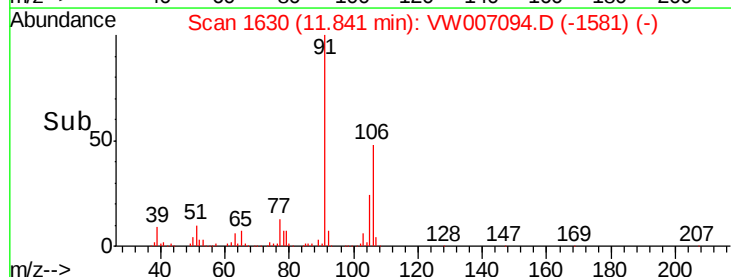
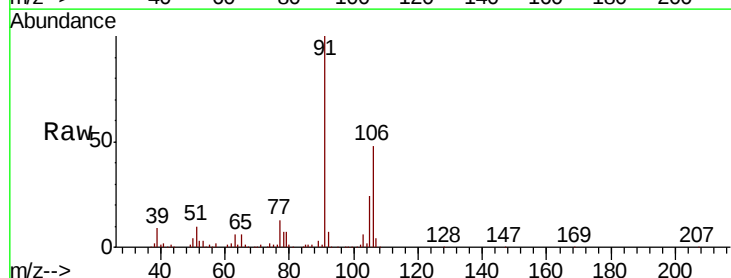
Instrument :
MSVOA_W
ClientSampled :
001-WC-NY5

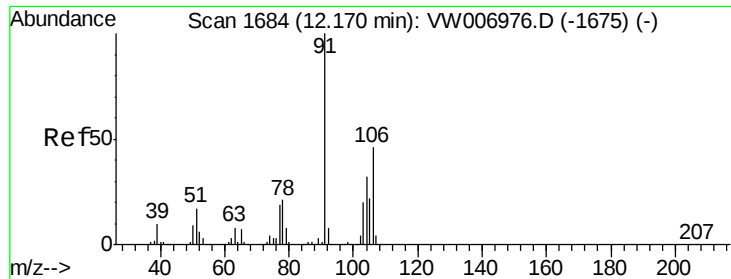
Tot Ion: 91 Resp: 28824
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2



#68
m/p-Xylenes
Concen: 18.763 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

Tgt Ion: 106 Resp: 44232
Ion Ratio Lower Upper
106 100
91 206.0 164.8 247.2

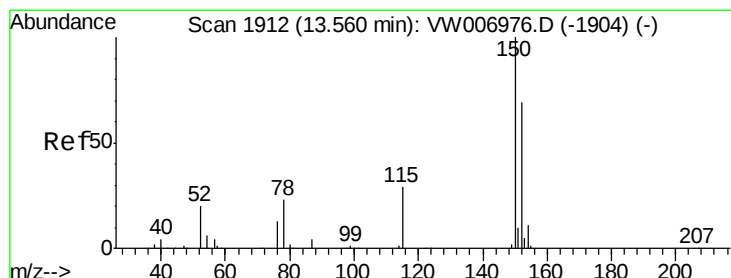
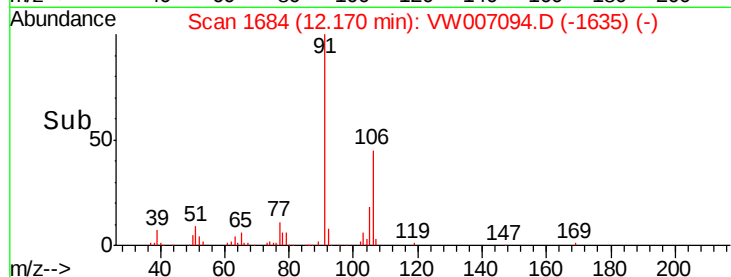
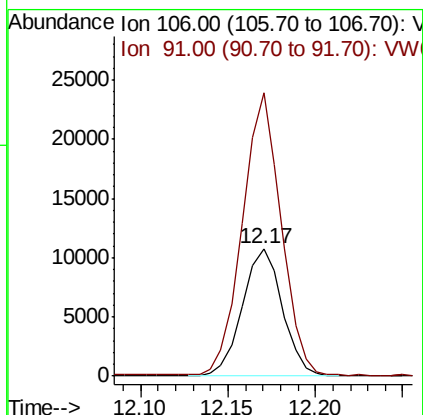
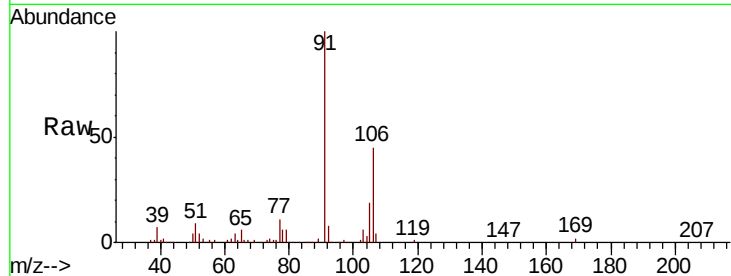




#69
o-Xylene
Concen: 7.715 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

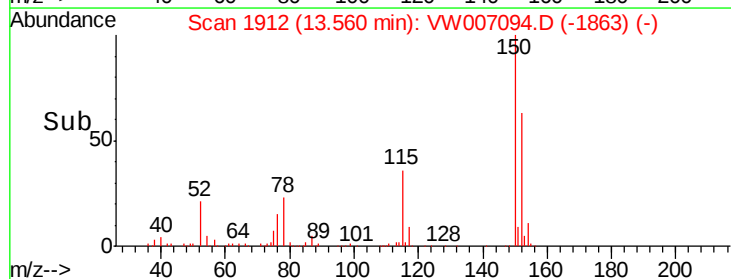
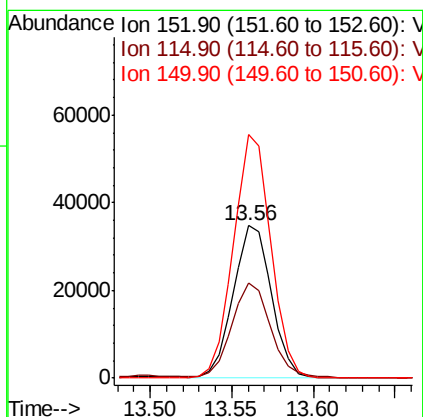
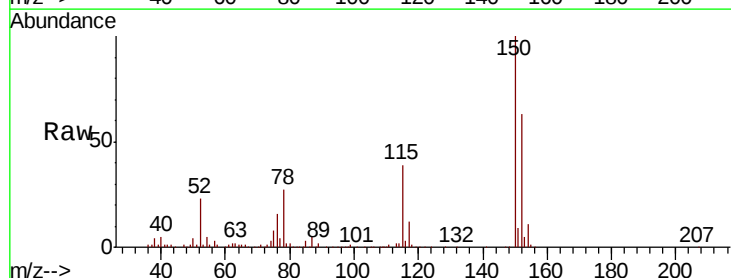
Instrument :
MSVOA_W
ClientSampleId :
001-WC-NY5

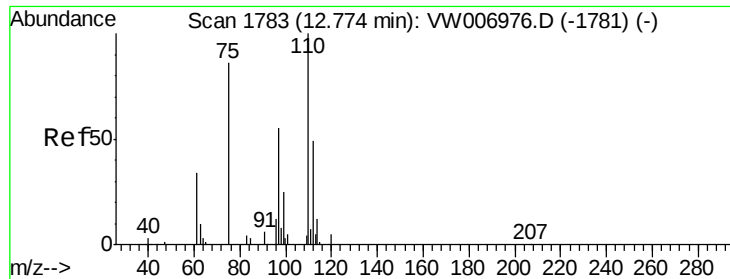
Tot Ion:106 Resp: 17150
Ion Ratio Lower Upper
106 100
91 213.1 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

Tgt Ion:152 Resp: 56696
Ion Ratio Lower Upper
152 100
115 64.3 31.4 94.2
150 156.1 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 80.833 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007094.D

Acq: 27 Nov 2018 18:02

Instrument :

MSVOA_W

ClientSampled :

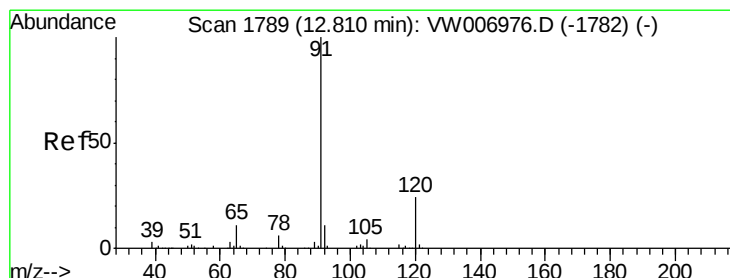
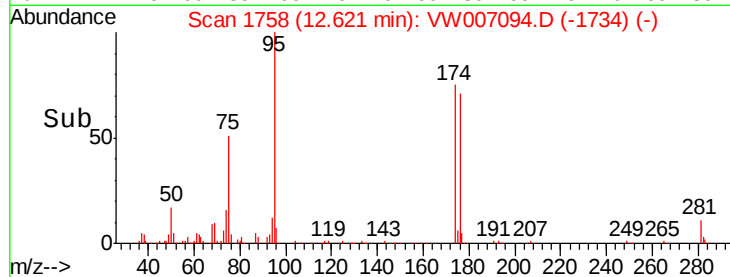
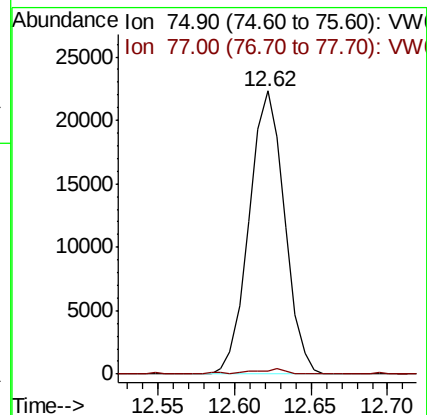
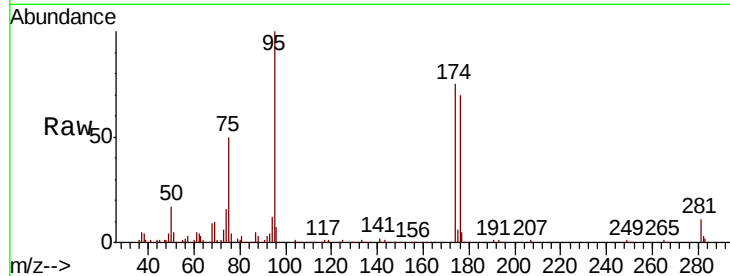
001-WC-NY5

Tot Ion: 75 Resp: 36012

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#78

n-propylbenzene

Concen: 3.158 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007094.D

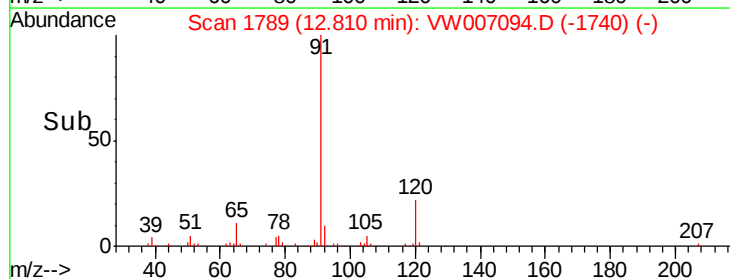
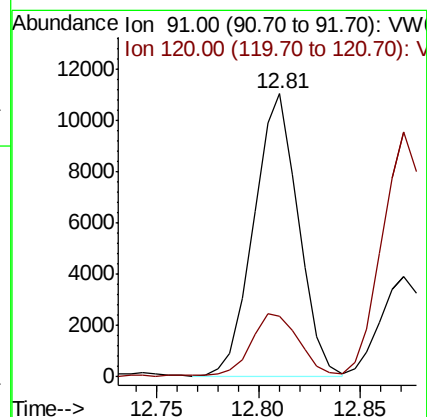
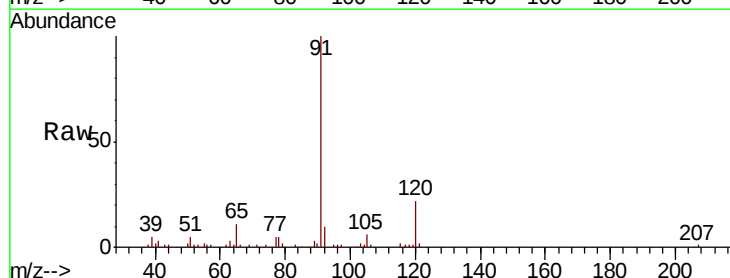
Acq: 27 Nov 2018 18:02

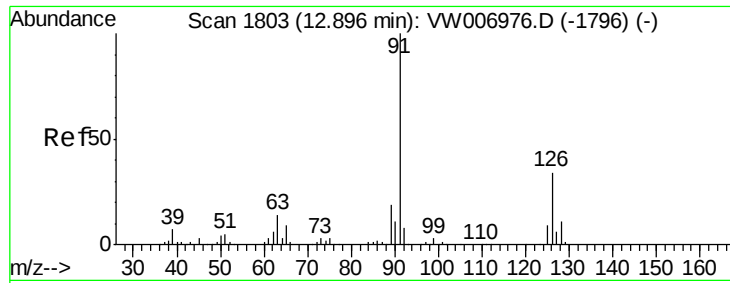
Tgt Ion: 91 Resp: 16855

Ion Ratio Lower Upper

91 100

120 25.0 11.7 35.1

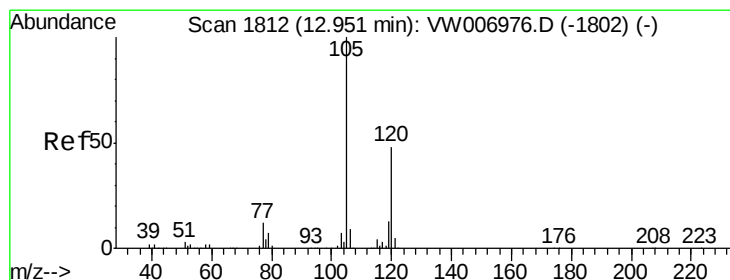
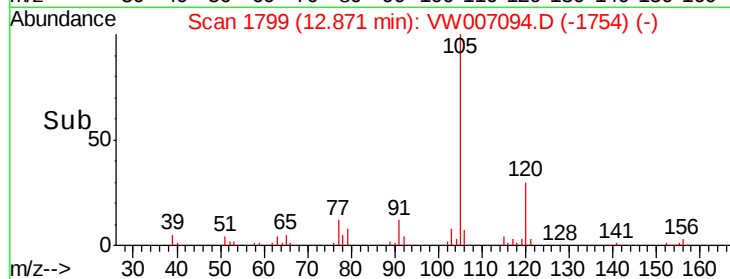
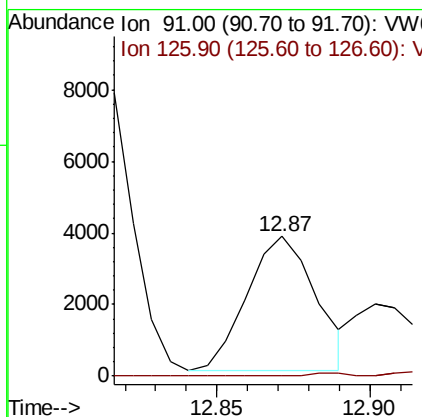
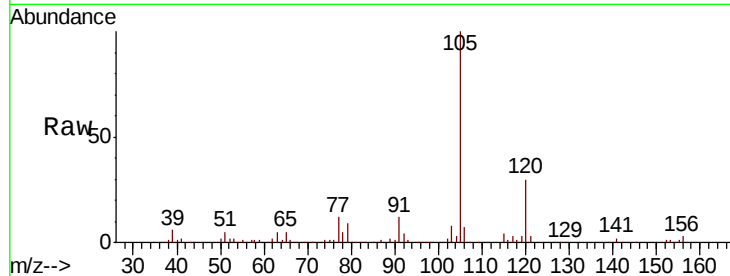




#79
 2-Chlorotoluene
 Concen: 1.924 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: VW007094.D
 Acq: 27 Nov 2018 18:02

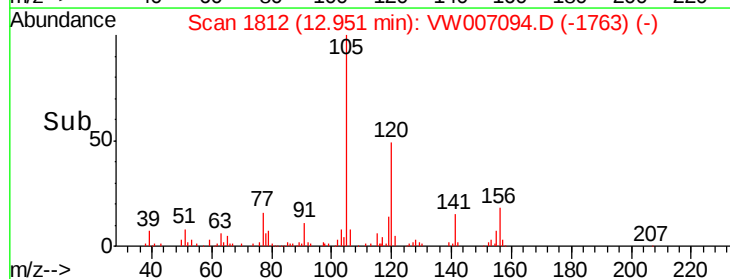
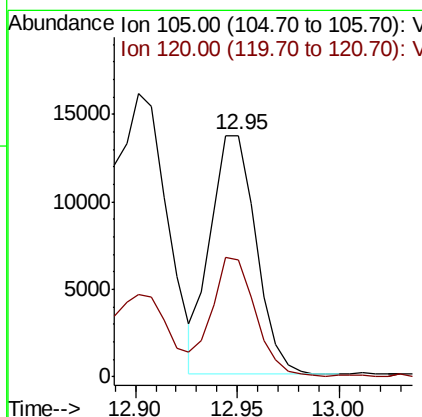
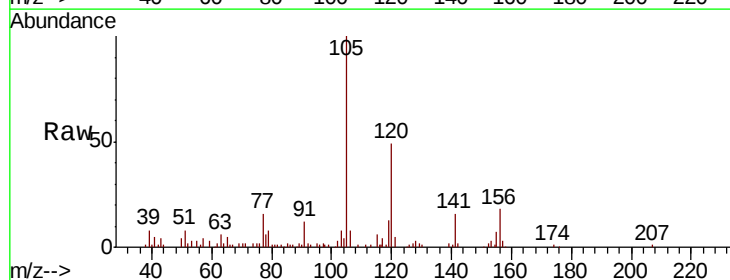
Instrument :
 MSVOA_W
 ClientSampleId :
 001-WC-NY5

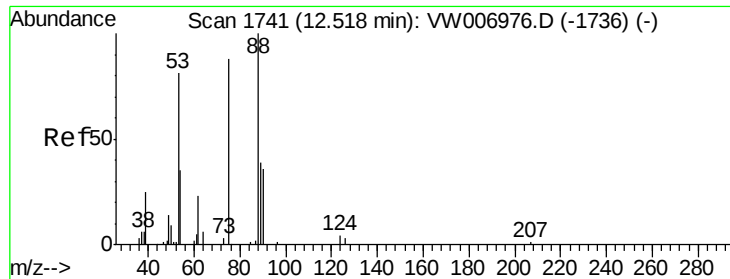
Tot Ion: 91 Resp: 5920
 Ion Ratio Lower Upper
 91 100
 126 1.1 16.7 50.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 5.542 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007094.D
 Acq: 27 Nov 2018 18:02

Tgt Ion: 105 Resp: 21117
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 202.938 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007094.D

Acq: 27 Nov 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

001-WC-NY5

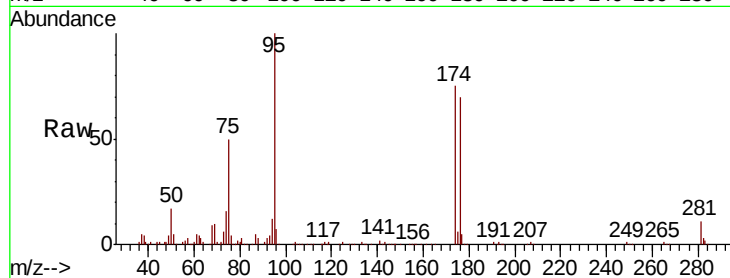
Tot Ion: 75 Resp: 36012

Ion Ratio Lower Upper

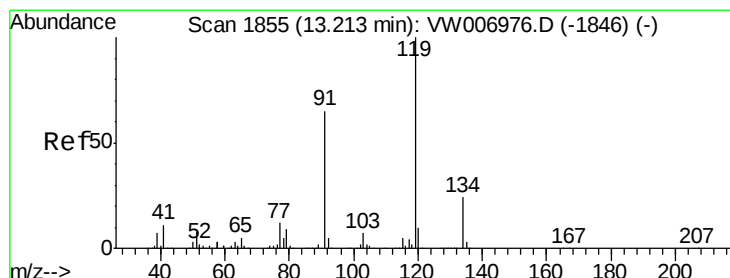
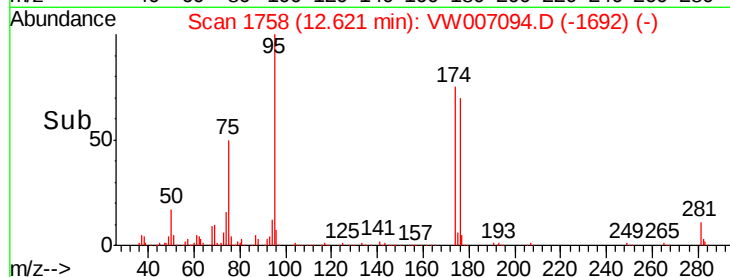
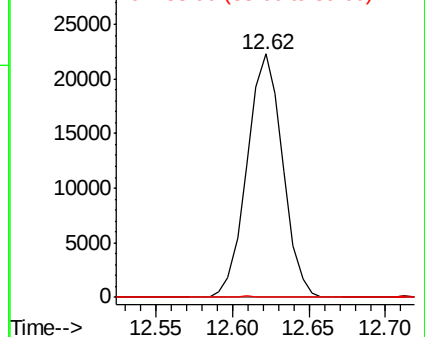
75 100

53 0.1 77.6 116.4#

89 0.0 39.3 58.9#



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



#83

tert-Butylbenzene

Concen: 3.210 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.04 min

Lab File: VW007094.D

Acq: 27 Nov 2018 18:02

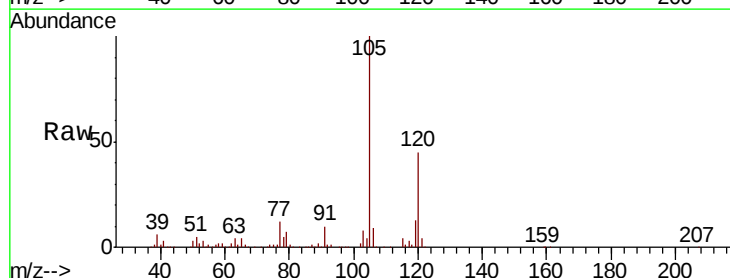
Tgt Ion: 119 Resp: 10590

Ion Ratio Lower Upper

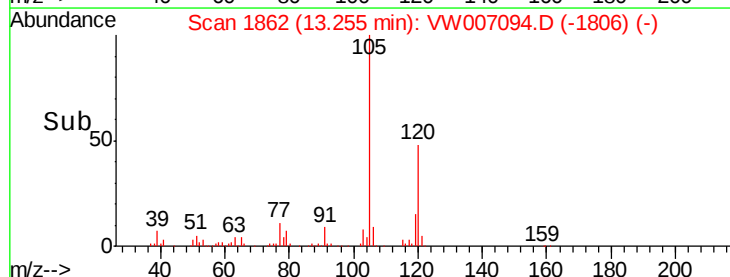
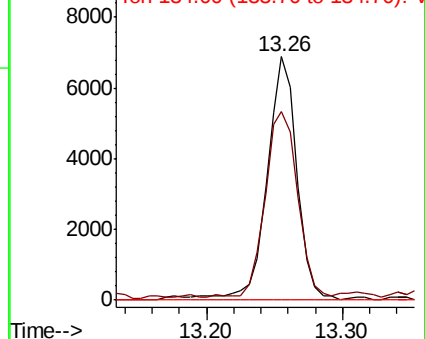
119 100

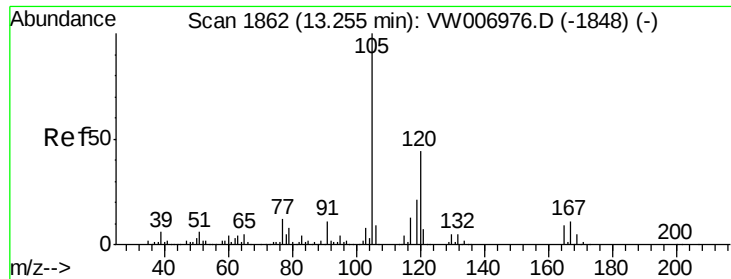
91 83.5 33.5 100.5

134 0.0 12.6 37.8#



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

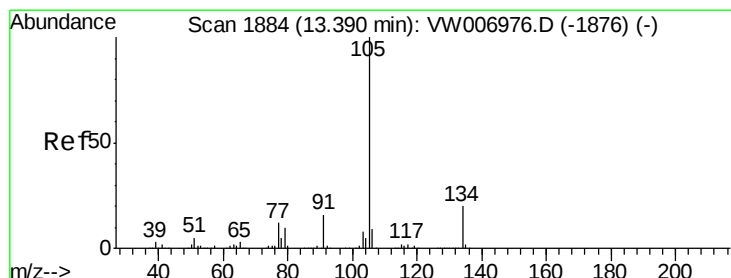
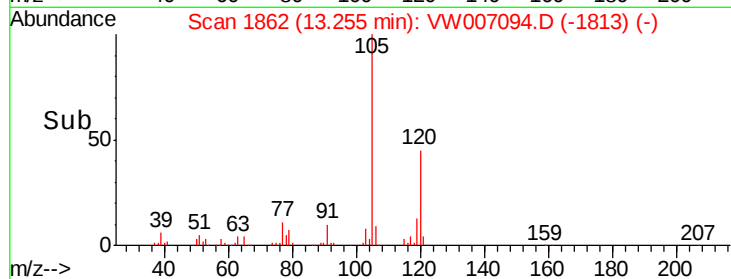
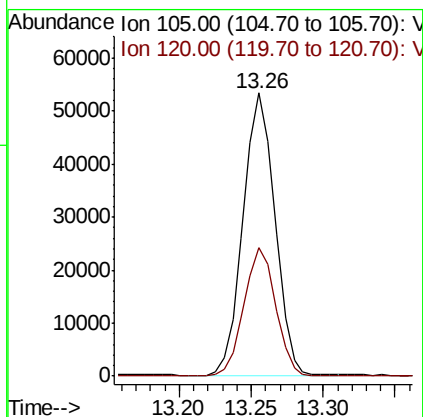
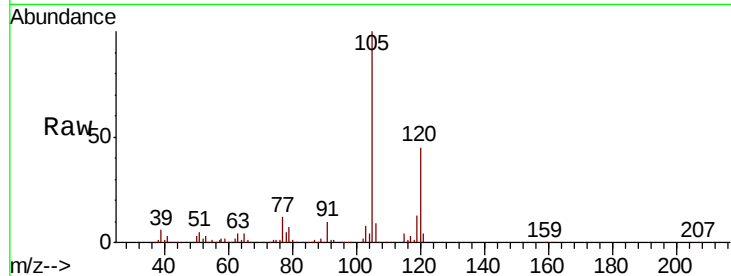




#84
1,2,4-Trimethylbenzene
Concen: 21.470 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

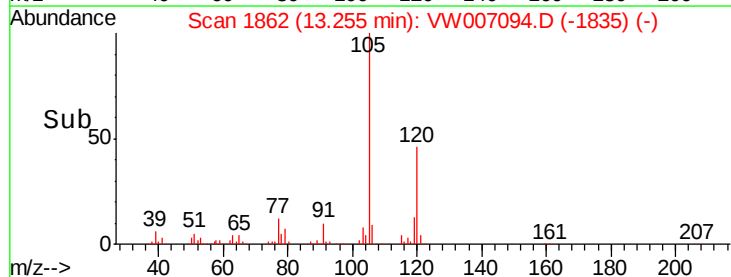
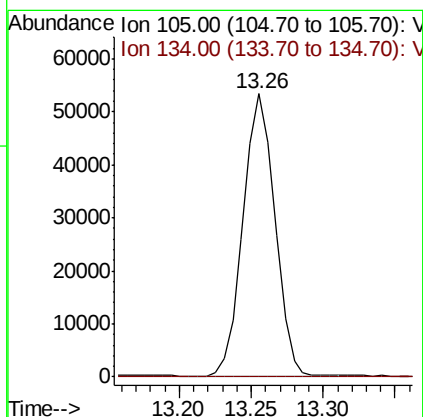
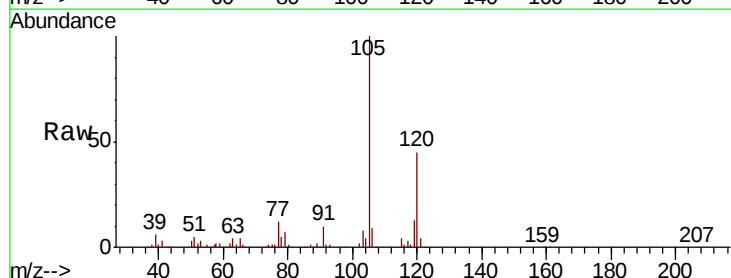
Instrument :
MSVOA_W
ClientSampleId :
001-WC-NY5

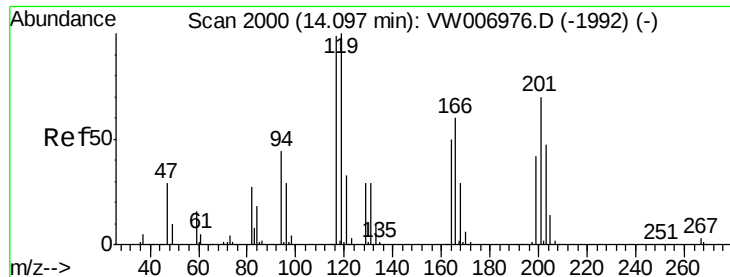
Tot Ion:105 Resp: 81508
Ion Ratio Lower Upper
105 100
120 45.0 21.8 65.3



#85
sec-Butylbenzene
Concen: 17.489 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.13 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

Tgt Ion:105 Resp: 81508
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

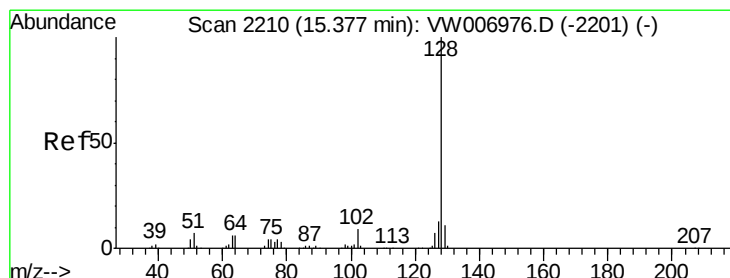
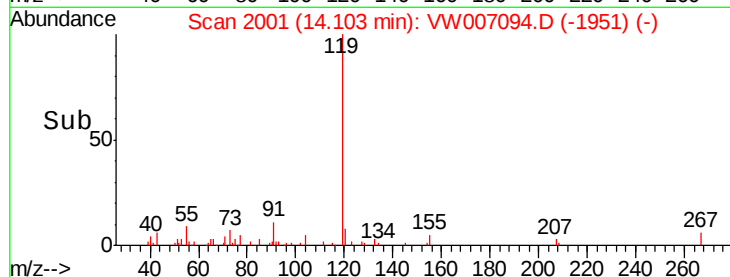
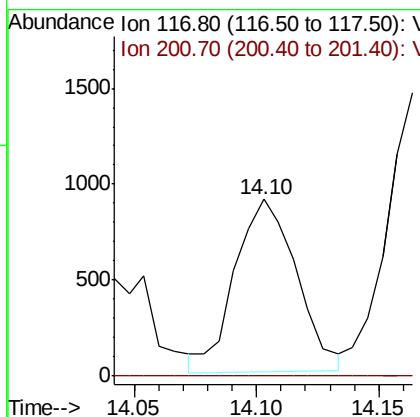
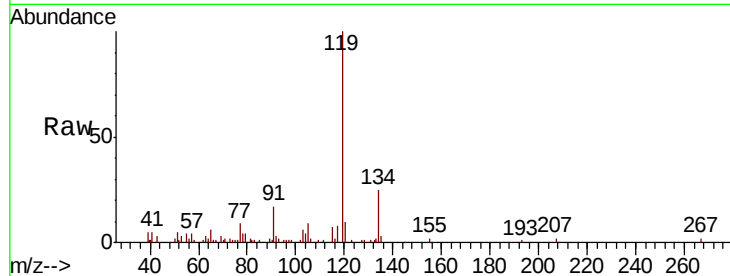




#90
Hexachloroethane
Concen: 2.654 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

Instrument :
MSVOA_W
ClientSampleId :
001-WC-NY5

Tot Ion:117 Resp: 1593
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.5#



#95
Naphthalene
Concen: 17.702 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007094.D
Acq: 27 Nov 2018 18:02

Tgt Ion:128 Resp: 35873
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 12.6 8.7 13.1

