

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010622.D
 Acq On : 30 May 2019 18:43
 Operator : SY/VA
 Sample : K3097-11
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0431-HR-11(HACKENSACK)

Quant Time: May 31 07:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

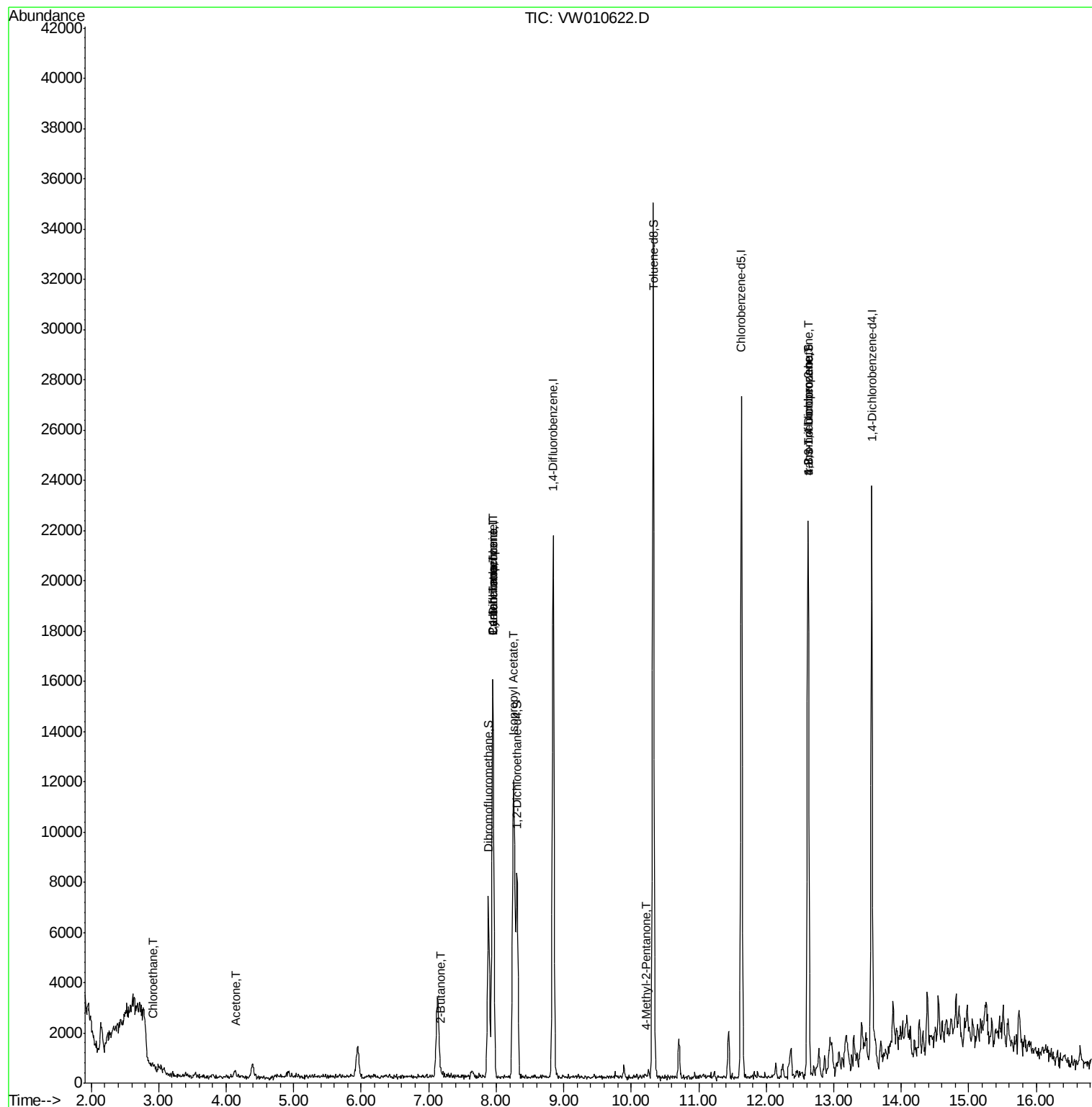
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	12169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	19642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	6050	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.34%	
35) Dibromofluoromethane	7.88	113	5507	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
50) Toluene-d8	10.32	98	23471	51.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.62	95	8194	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.92	64	116	1.220	ug/l #	43
16) Acetone	4.14	43	589	22.973	ug/l #	41
20) Methylene Chloride	4.91	84	147	Below Cal	#	46
25) 2-Butanone	7.18	43	48	1.308	ug/l #	45
31) Cyclohexane	7.95	56	268	1.124	ug/l #	49
36) 1,1-Dichloropropene	7.95	75	1000	5.465	ug/l #	40
38) Carbon Tetrachloride	7.95	117	1265	6.409	ug/l #	12
43) Isopropyl Acetate	8.25	43	225	1.447	ug/l #	28
51) 4-Methyl-2-Pentanone	10.21	43	158	2.006	ug/l #	34
76) 1,2,3-Trichloropropane	12.62	75	3783	59.535	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	3783	124.250	ug/l #	14

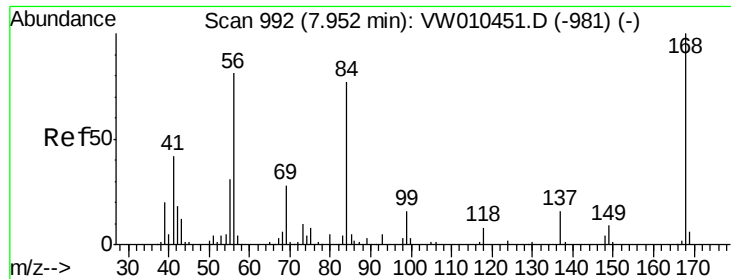
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

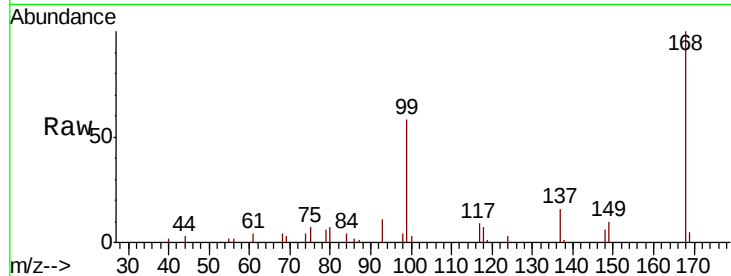




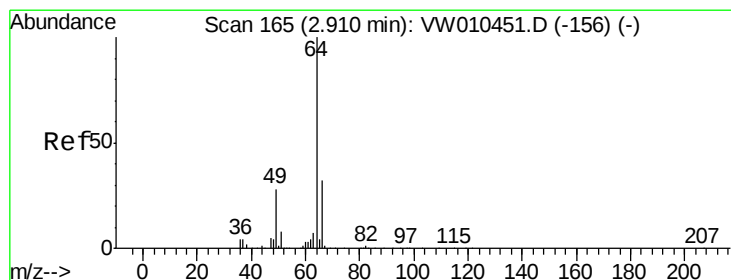
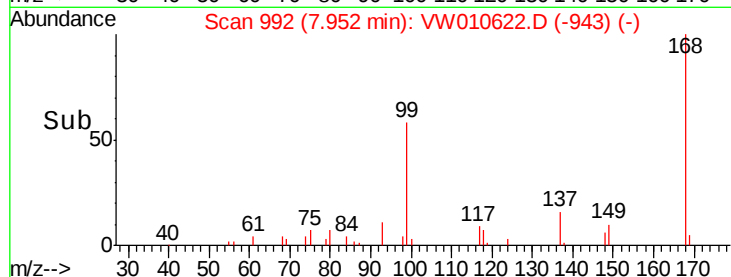
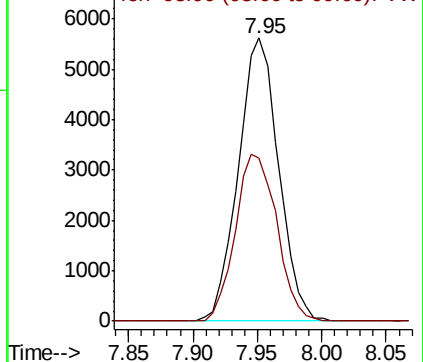
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010622.D
Acq: 30 May 2019 18:43

Instrument :
MSVOA_W
ClientSampleId :
0431-HR-11(HACKENSACK)

Tot Ion:168 Resp: 12169
Ion Ratio Lower Upper
168 100
99 57.8 46.1 69.1

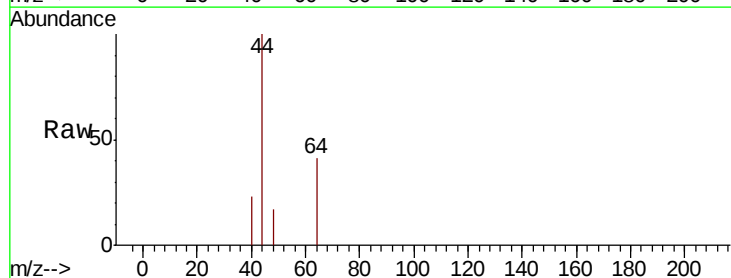


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VW

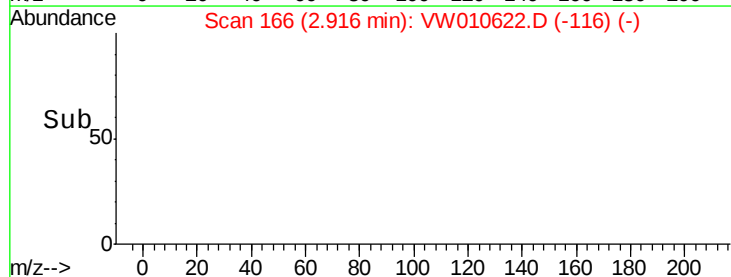
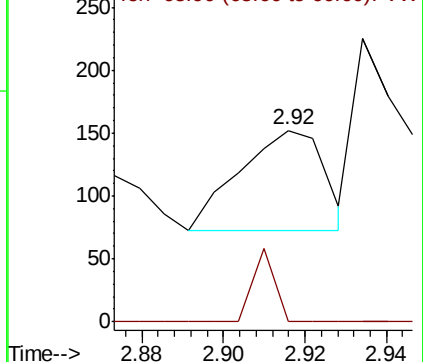


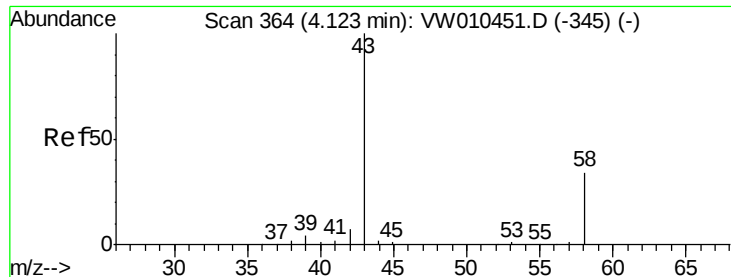
#6
Chloroethane
Concen: 1.220 ug/l
RT: 2.92 min Scan# 166
Delta R.T. 0.01 min
Lab File: VW010622.D
Acq: 30 May 2019 18:43

Tgt Ion: 64 Resp: 116
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW

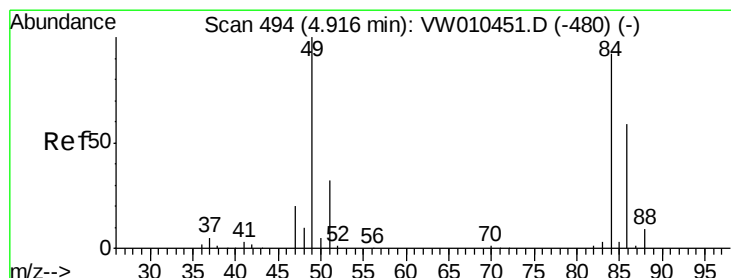
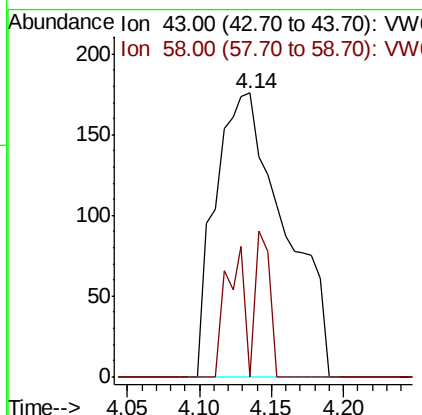
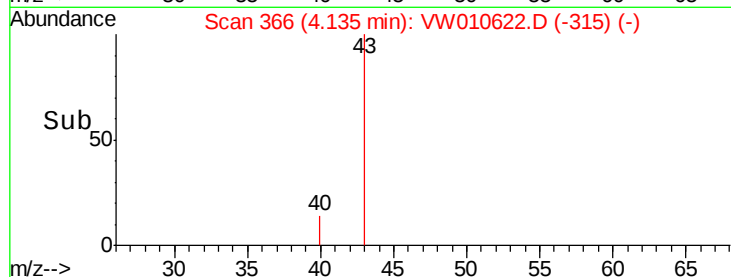
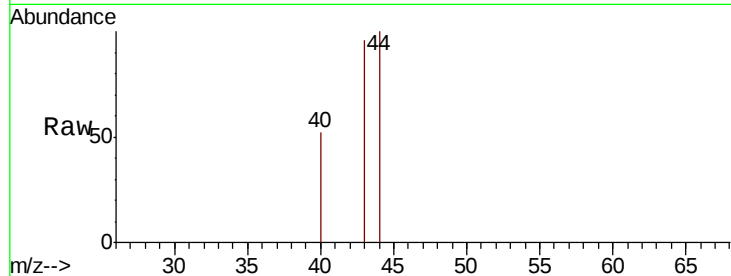




#16
Acetone
Concen: 22.973 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010622.D
Acq: 30 May 2019 18:43

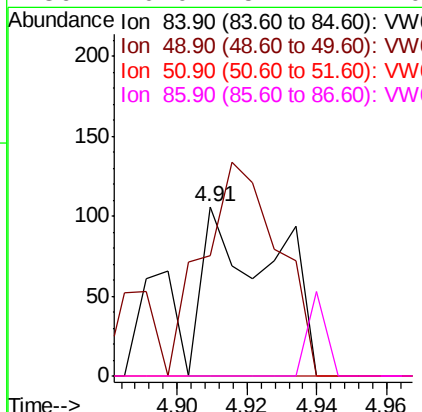
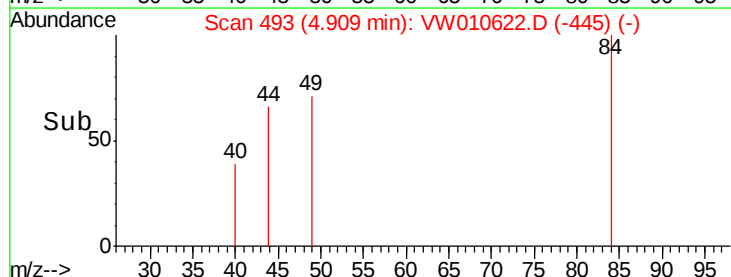
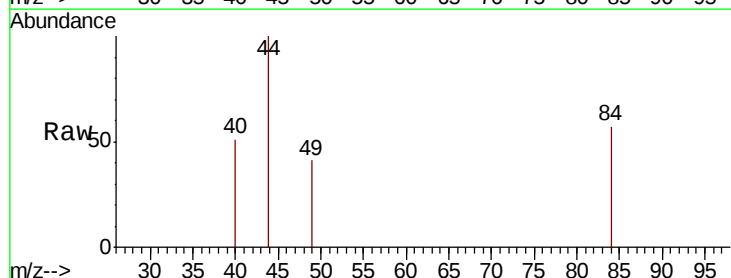
Instrument :
MSVOA_W
ClientSampleId :
0431-HR-11(HACKENSACK)

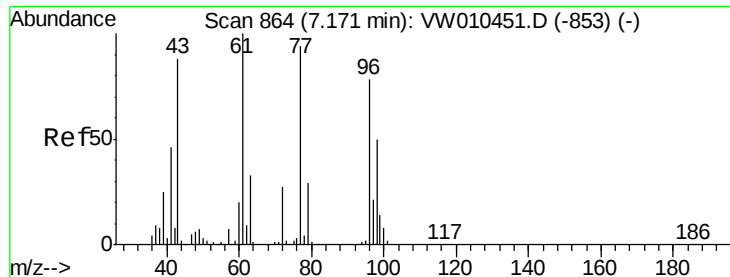
Tot Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010622.D
Acq: 30 May 2019 18:43

Tgt Ion: 84 Resp: 147
Ion Ratio Lower Upper
84 100
49 70.8 87.2 130.8#
51 0.0 27.7 41.5#
86 0.0 51.4 77.0#





#25

2-Butanone

Concen: 1.308 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

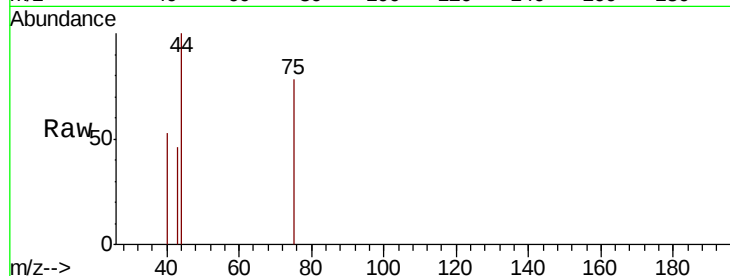
0431-HR-11(HACKENSACK)

Tot Ion: 43 Resp: 48

Ion Ratio Lower Upper

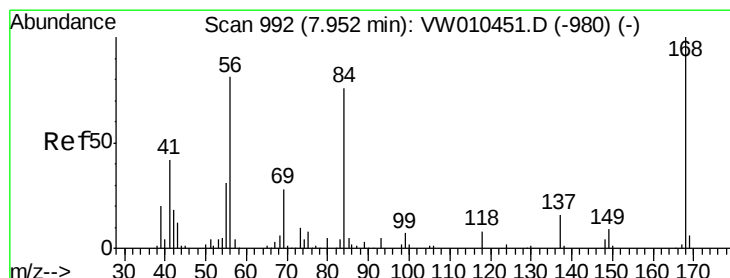
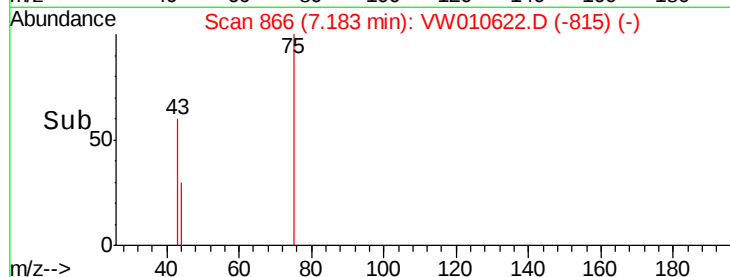
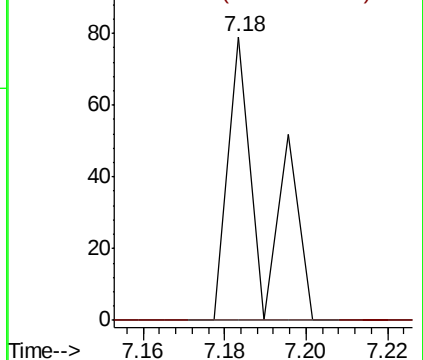
43 100

72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.124 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

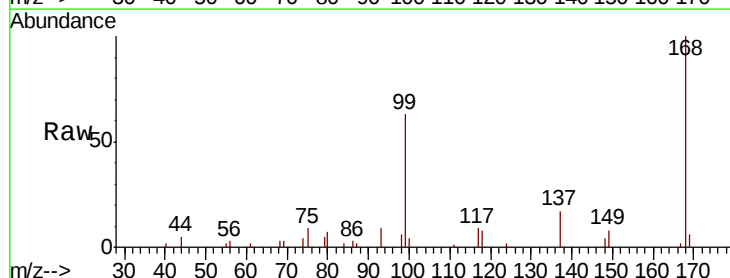
Tgt Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

69 89.4 28.2 42.2#

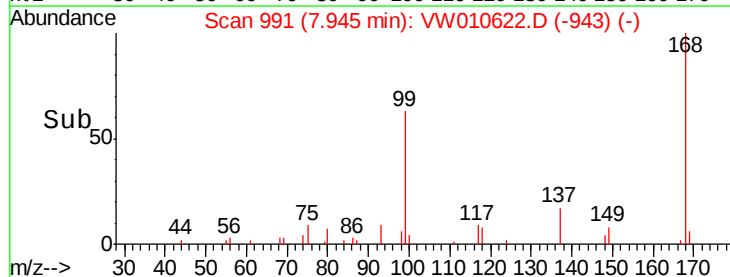
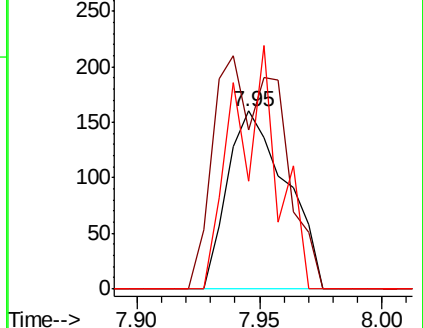
84 60.6 75.8 113.8#

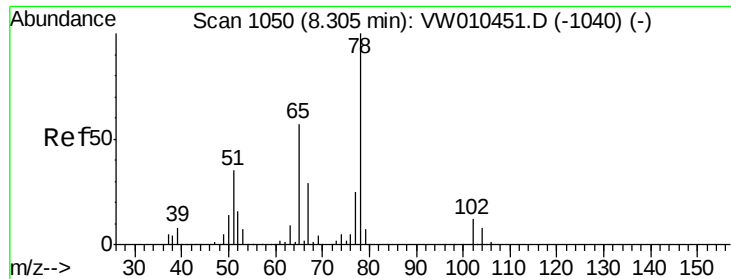


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 48.167 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

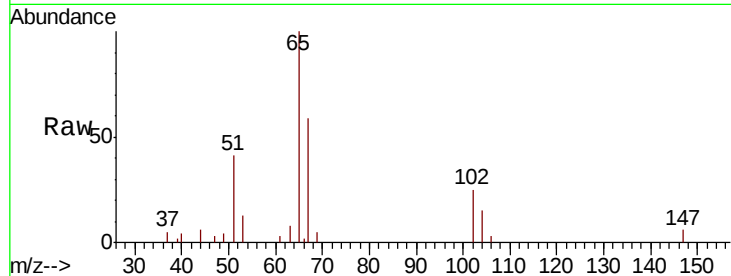
0431-HR-11(HACKENSACK)

Tot Ion: 65 Resp: 6050

Ion Ratio Lower Upper

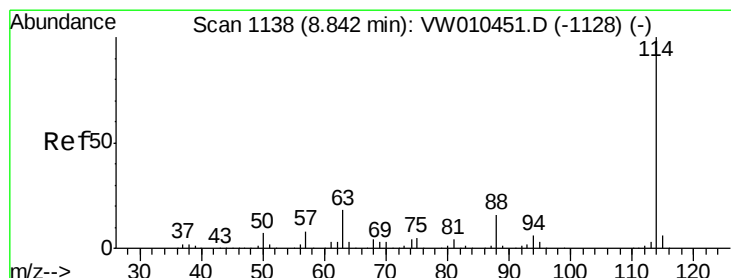
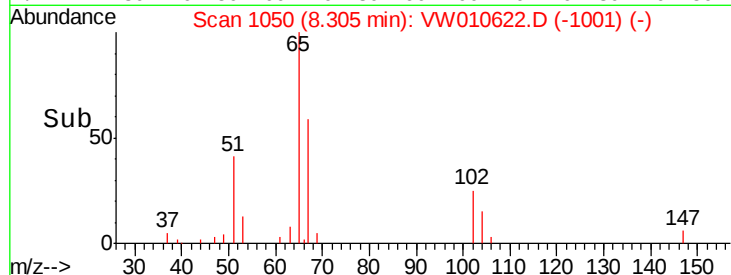
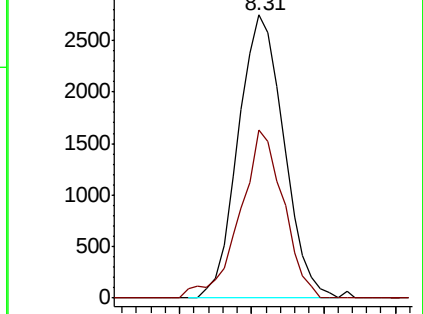
65 100

67 56.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

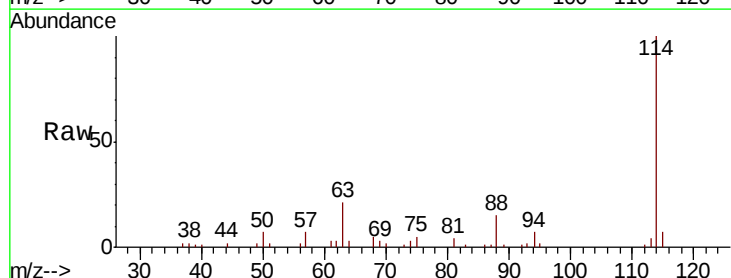
Tgt Ion: 114 Resp: 19642

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.0

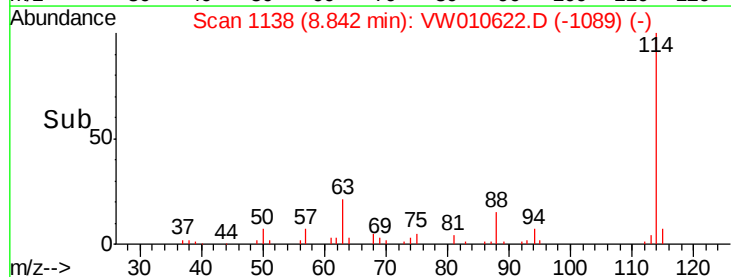
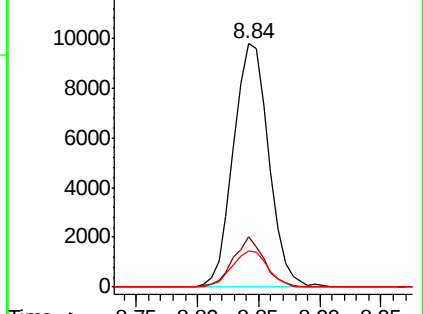
88 15.1 0.0 32.0

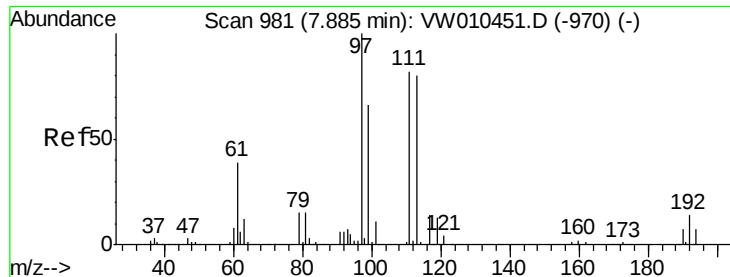


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 46.206 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

0431-HR-11(HACKENSACK)

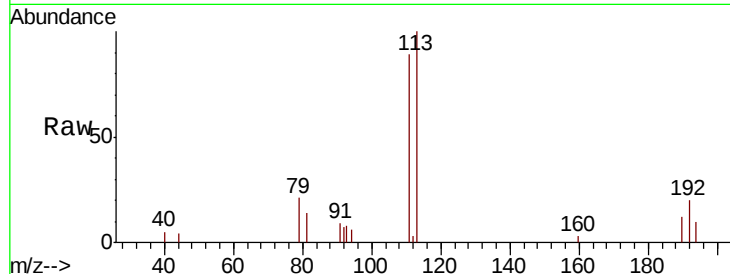
Tot Ion:113 Resp: 5507

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

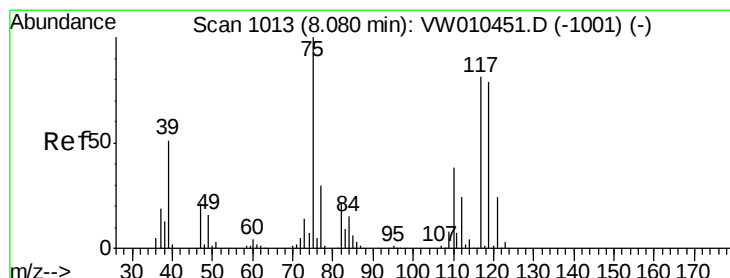
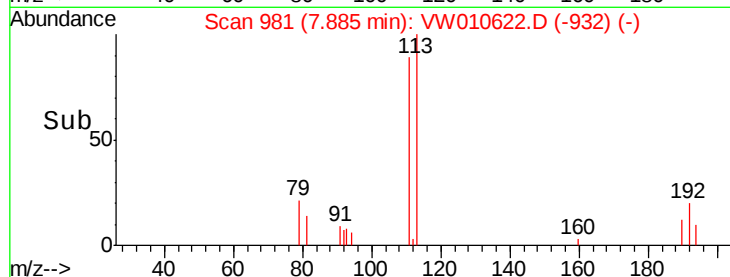
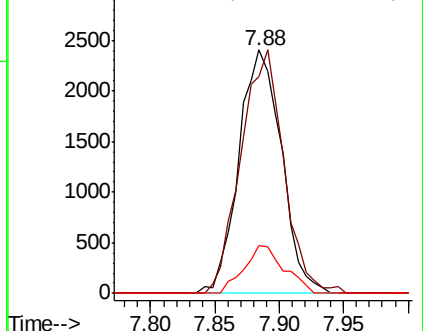
192 18.4 14.3 21.5



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: 5.465 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

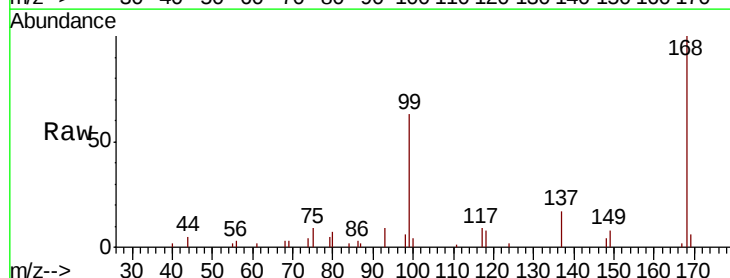
Tgt Ion: 75 Resp: 1000

Ion Ratio Lower Upper

75 100

110 0.0 19.2 57.6#

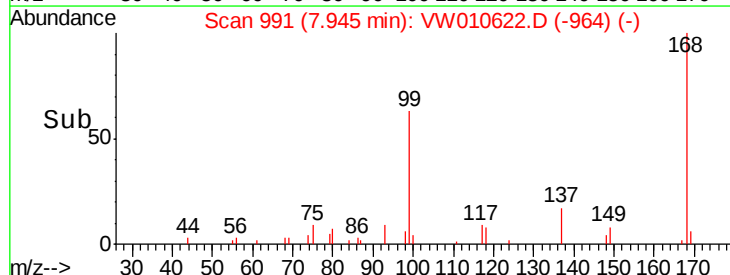
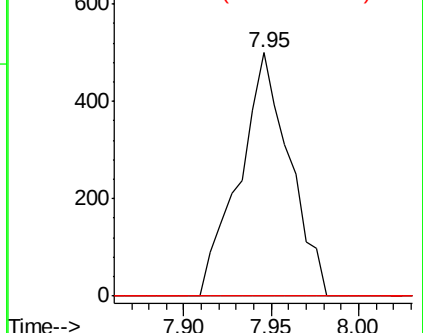
77 0.0 25.2 37.8#

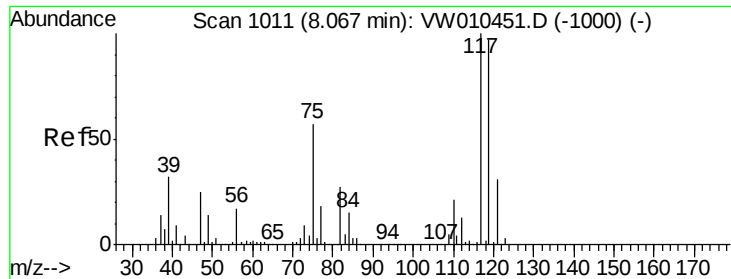


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

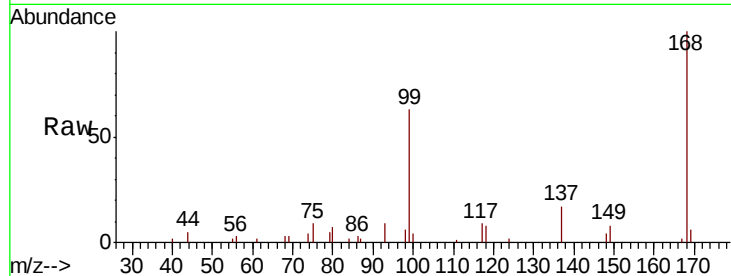




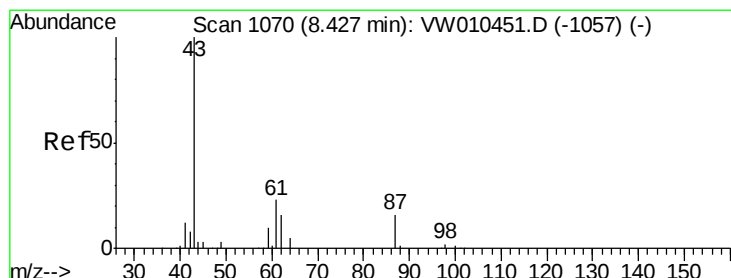
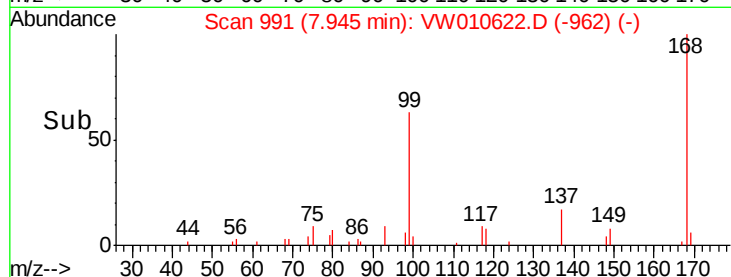
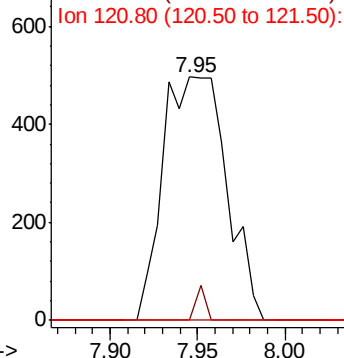
#38
Carbon Tetrachloride
Concen: 6.409 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010622.D
Acq: 30 May 2019 18:43

Instrument :
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0431-HR-11(HACKENSACK)

Tot Ion:117 Resp: 1265
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.0 37.6#

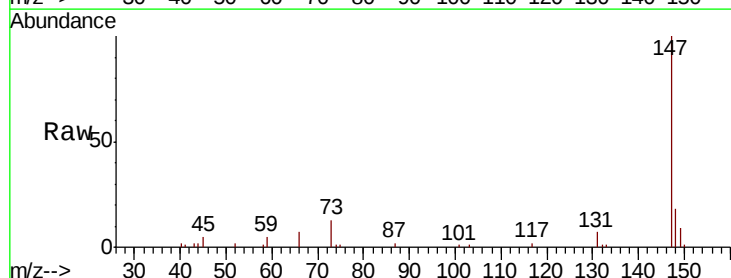


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

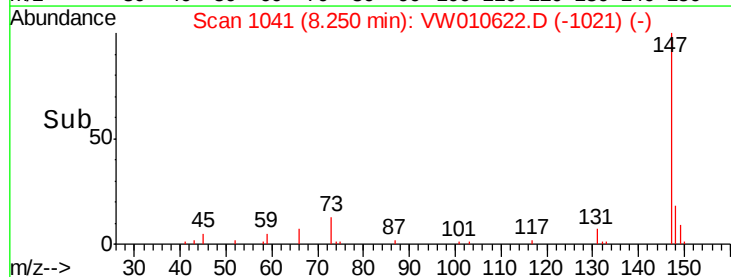
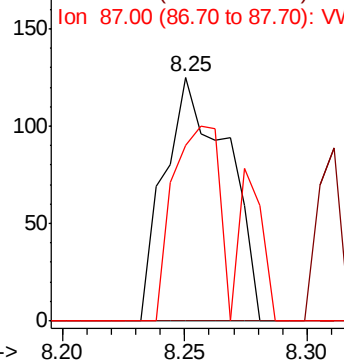


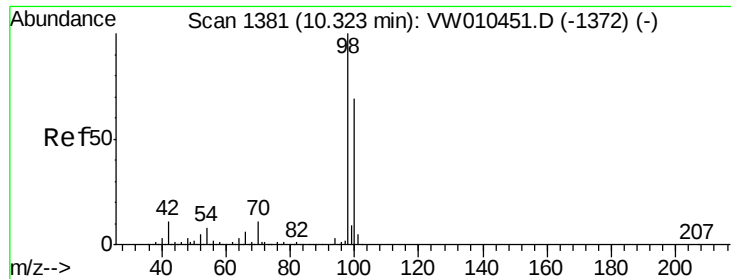
#43
Isopropyl Acetate
Concen: 1.447 ug/l
RT: 8.25 min Scan# 1041
Delta R.T. -0.18 min
Lab File: VW010622.D
Acq: 30 May 2019 18:43

Tgt Ion: 43 Resp: 225
Ion Ratio Lower Upper
43 100
61 0.0 25.4 38.2#
87 58.7 12.7 19.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW





#50

Toluene-d8

Concen: 51.549 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

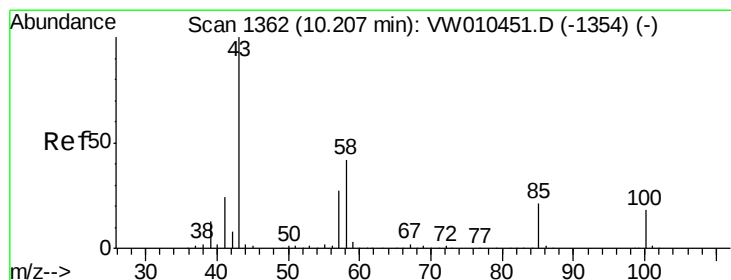
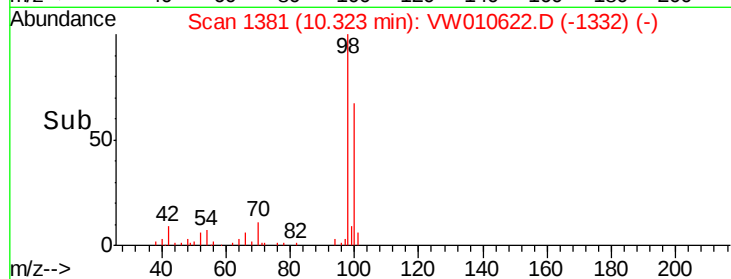
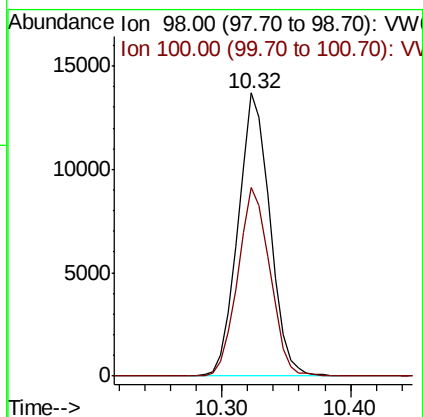
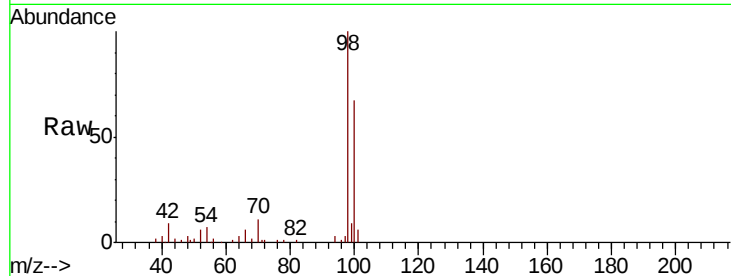
0431-HR-11(HACKENSACK)

Tot Ion: 98 Resp: 23471

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 2.006 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010622.D

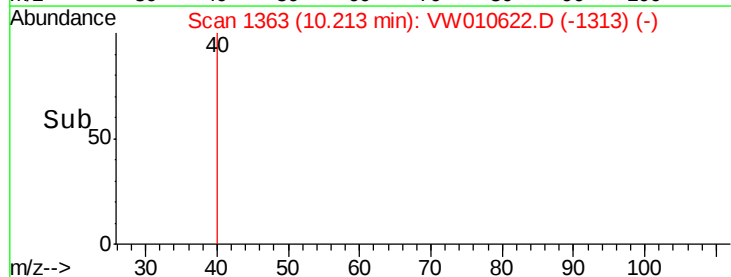
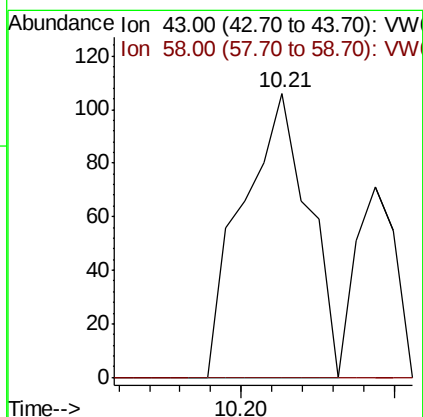
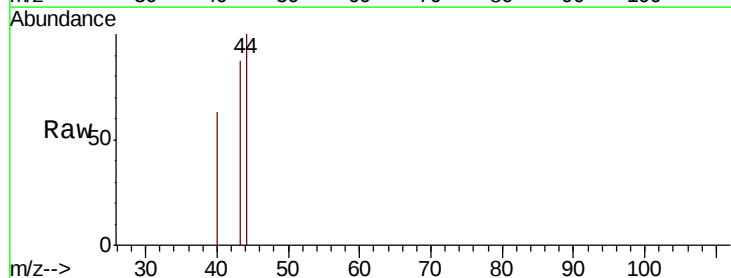
Acq: 30 May 2019 18:43

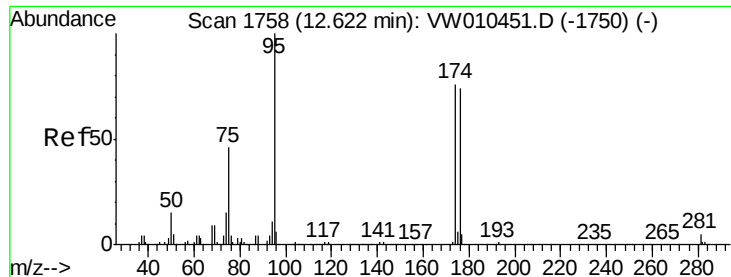
Tgt Ion: 43 Resp: 158

Ion Ratio Lower Upper

43 100

58 0.0 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 45.182 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

0431-HR-11(HACKENSACK)

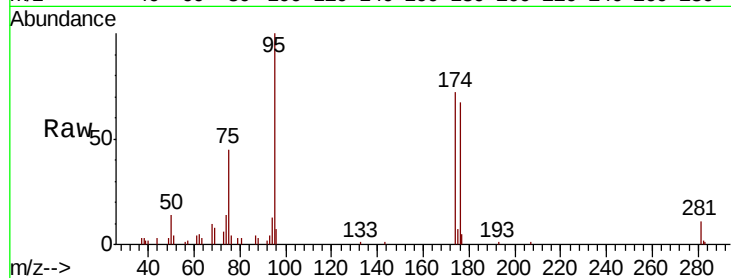
Tot Ion: 95 Resp: 8194

Ion Ratio Lower Upper

95 100

174 70.8 0.0 148.6

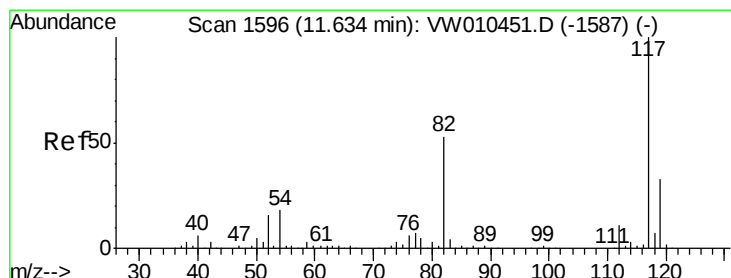
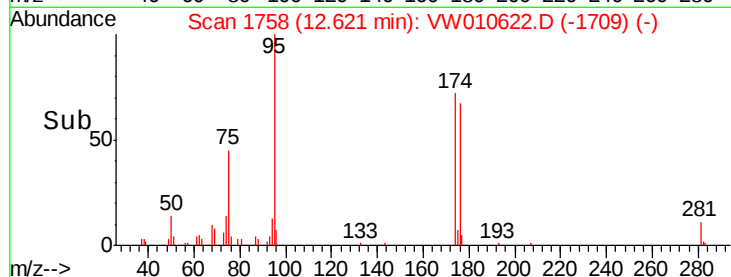
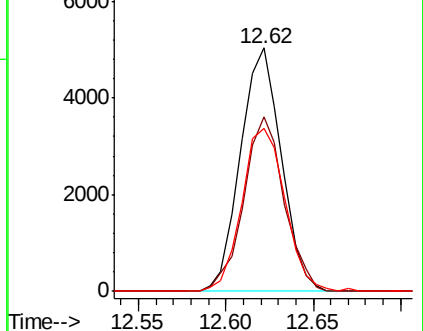
176 70.6 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

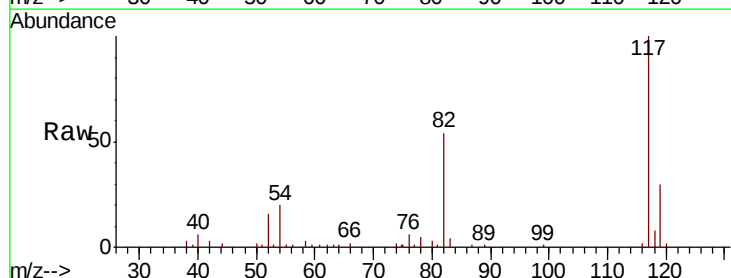
Tgt Ion: 117 Resp: 16529

Ion Ratio Lower Upper

117 100

82 54.0 42.8 64.2

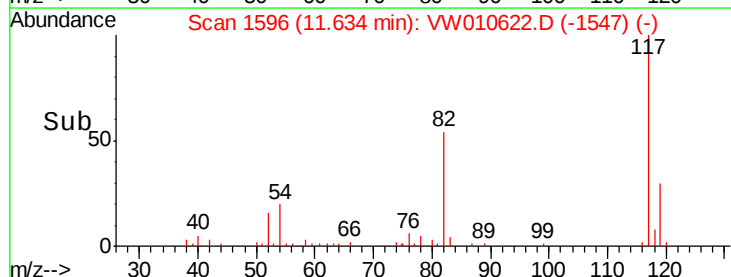
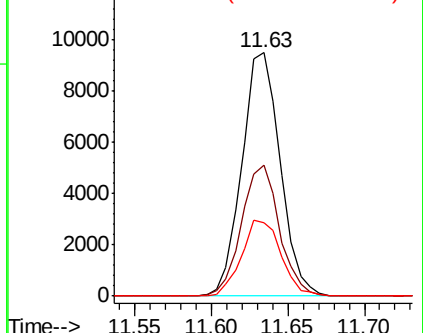
119 30.2 26.3 39.5

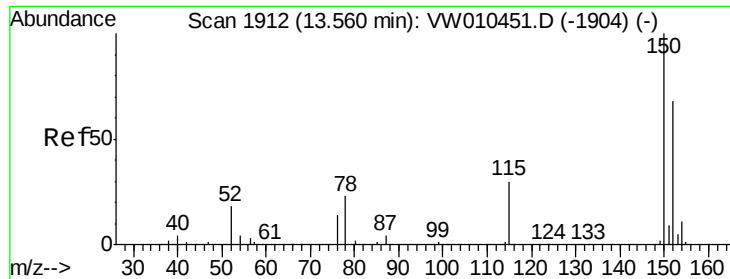


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

0431-HR-11(HACKENSACK)

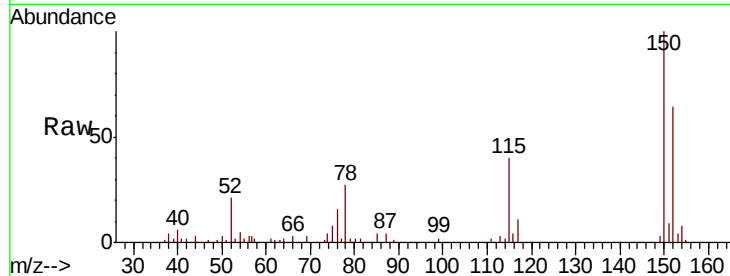
Tot Ion:152 Resp: 6260

Ion Ratio Lower Upper

152 100

115 60.4 30.3 91.0

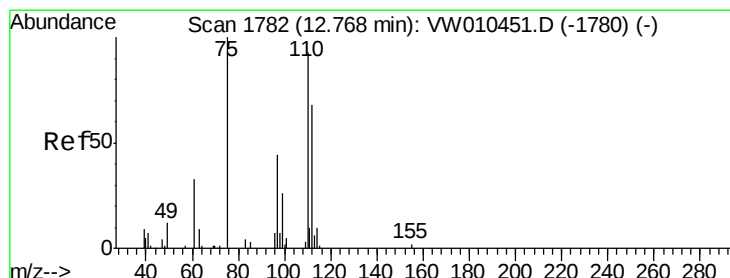
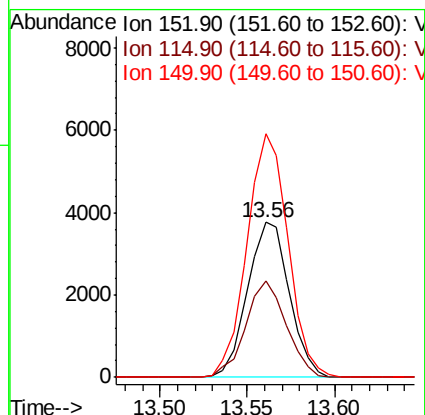
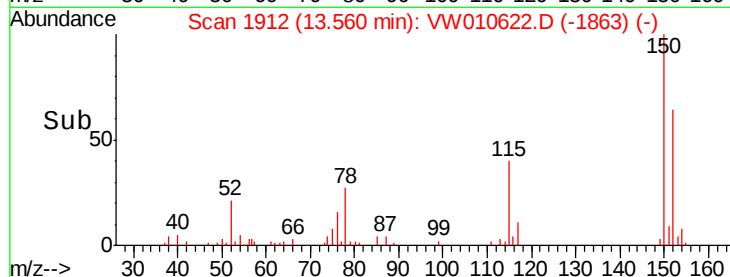
150 153.6 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 59.535 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010622.D

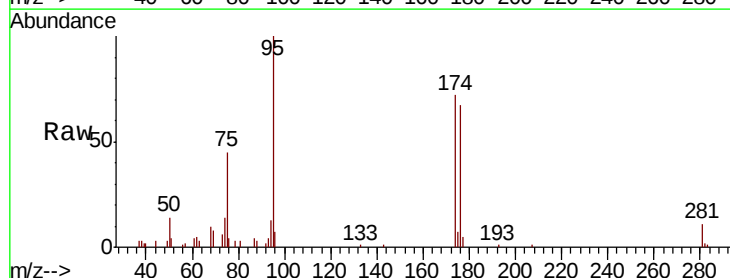
Acq: 30 May 2019 18:43

Tgt Ion: 75 Resp: 3783

Ion Ratio Lower Upper

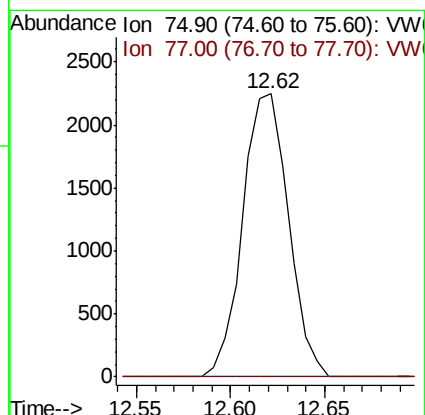
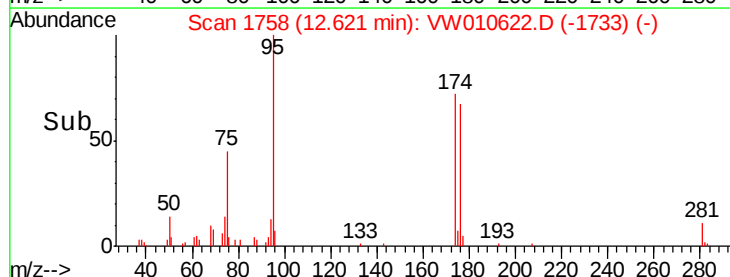
75 100

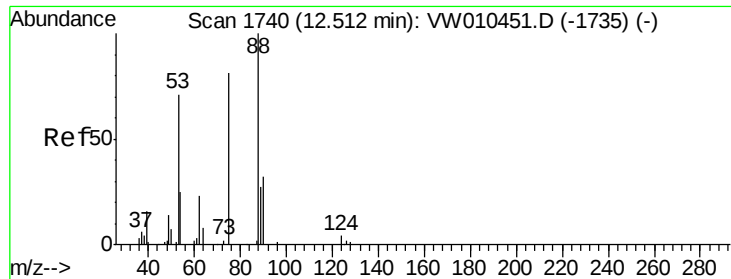
77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 124.250 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010622.D

Acq: 30 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

0431-HR-11(HACKENSACK)

Tot Ion: 75 Resp: 3783

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

