

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010614.D
 Acq On : 30 May 2019 15:03
 Operator : SY/VA
 Sample : K3097-03
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0423-HR-3(HACKENSACK)

Quant Time: May 31 07:44:26 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	3243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	5878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	4174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	729	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	1776	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
35) Dibromofluoromethane	7.88	113	1576	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	
50) Toluene-d8	10.32	98	6702	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.62	95	1496	27.56	ug/l	0.00
Spiked Amount			Recovery	=	55.12%	

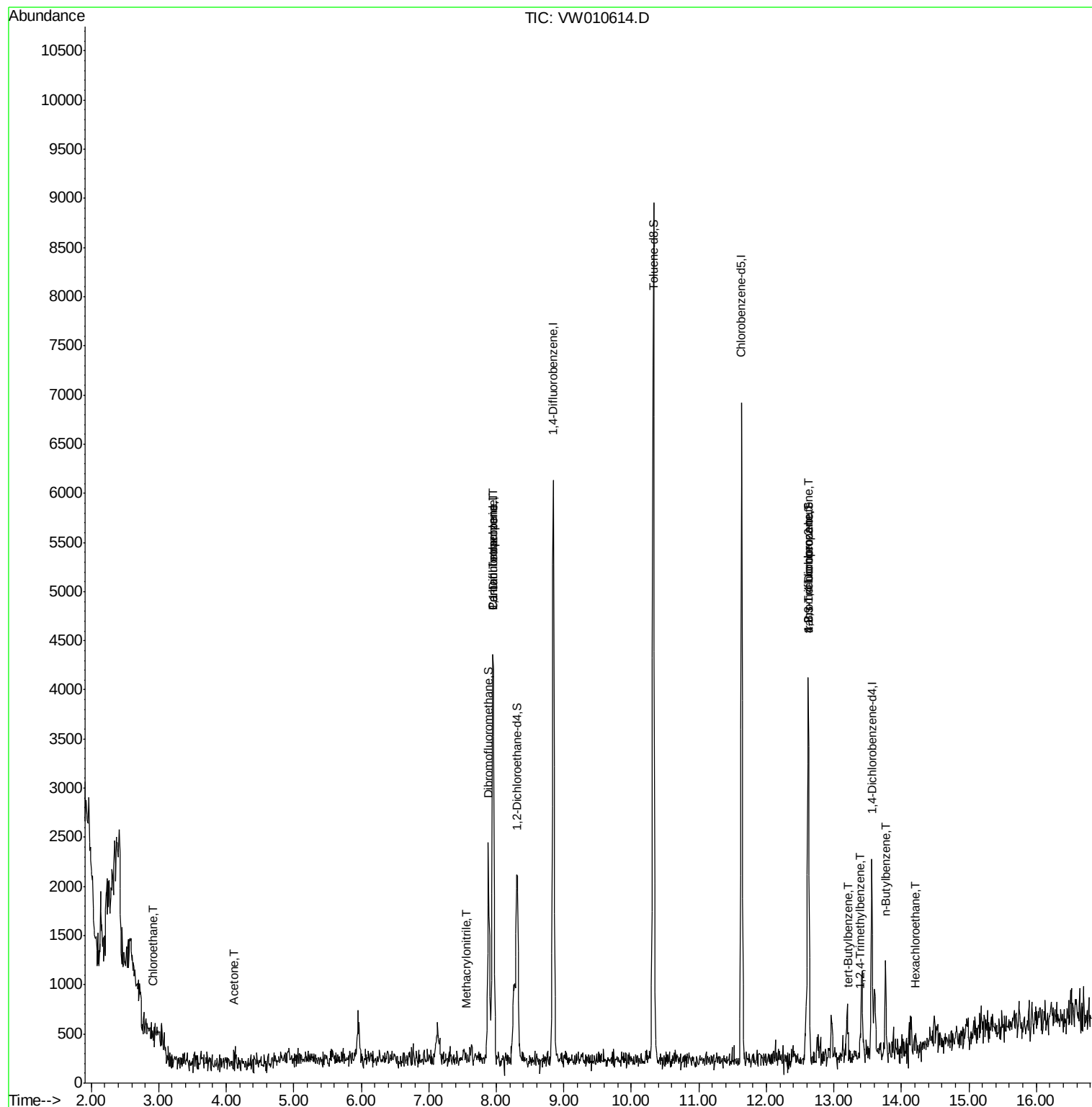
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.91	64	61	2.408	ug/l #	43
16) Acetone	4.12	43	72	10.538	ug/l #	41
20) Methylene Chloride	4.91	84	47	Below Cal	#	10
36) 1,1-Dichloropropene	7.95	75	251	4.584	ug/l #	40
38) Carbon Tetrachloride	7.95	117	352	5.959	ug/l #	12
41) Methacrylonitrile	7.55	41	43	3.108	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	766	103.516	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	766	216.041	ug/l #	14
83) tert-Butylbenzene	13.21	119	46	1.075	ug/l #	26
84) 1,2,4-Trimethylbenzene	13.38	105	50	1.025	ug/l #	30
89) n-Butylbenzene	13.76	91	64	1.241	ug/l #	31
90) Hexachloroethane	14.21	117	100	9.530	ug/l #	15

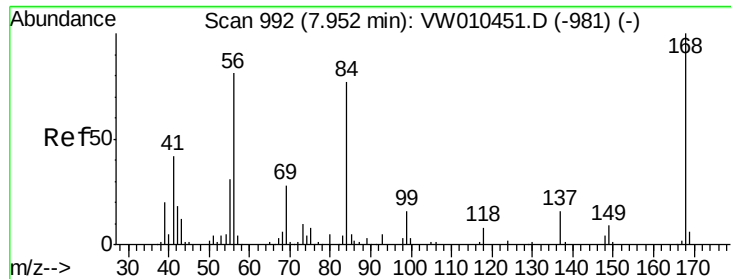
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010614.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

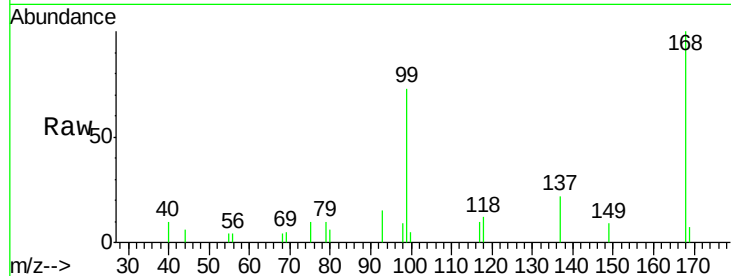
0423-HR-3(HACKENSACK)

Tot Ion:168 Resp: 3243

Ion Ratio Lower Upper

168 100

99 73.3 46.1 69.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

1500

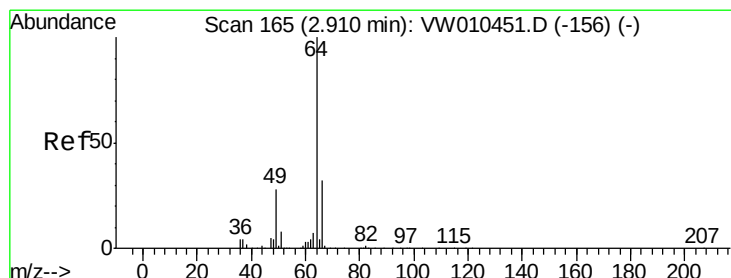
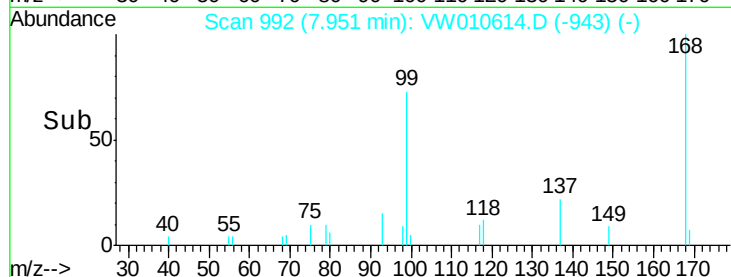
1000

500

0

7.90 7.95 8.00

Time-->



#6

Chloroethane

Concen: 2.408 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010614.D

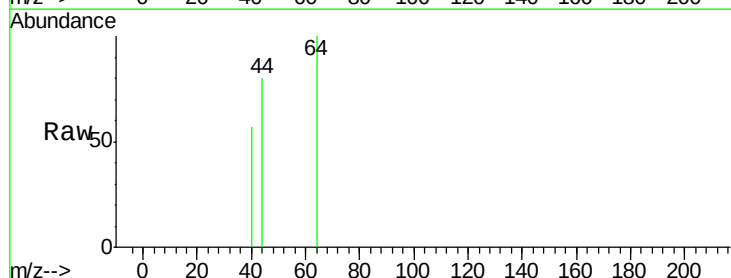
Acq: 30 May 2019 15:03

Tgt Ion: 64 Resp: 61

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

2.91

250

200

150

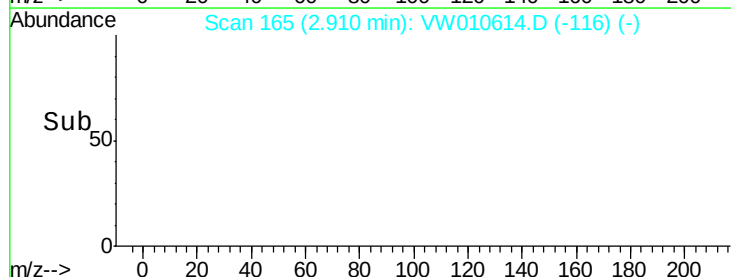
100

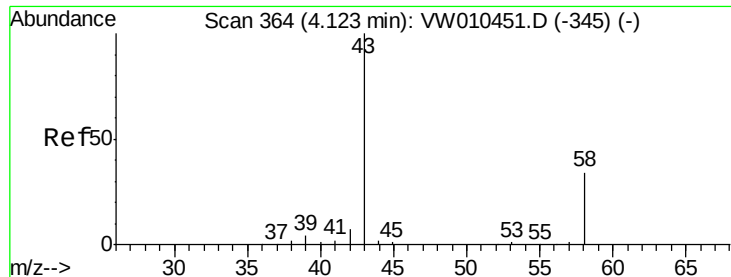
50

0

2.90 2.91 2.92

Time-->

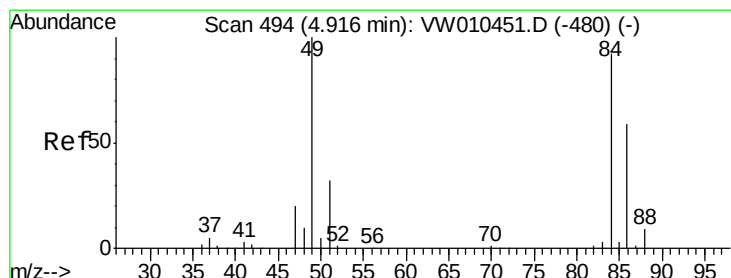
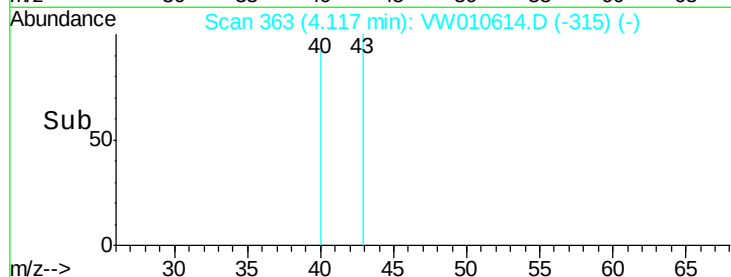
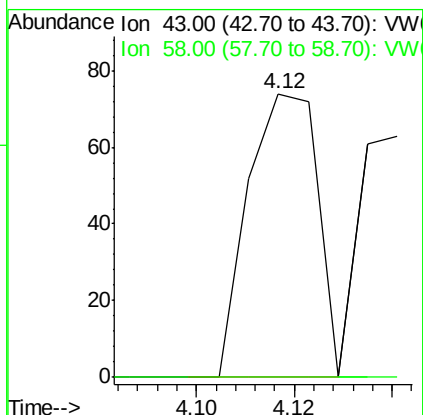
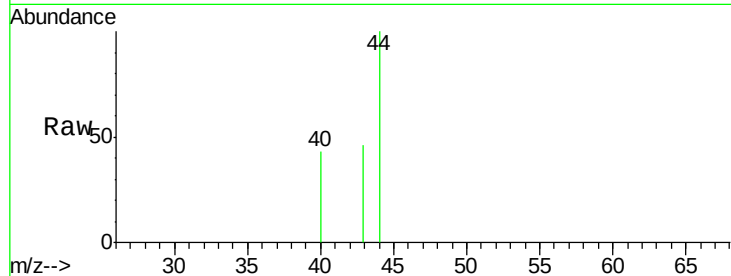




#16
Acetone
Concen: 10.538 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW010614.D
Acq: 30 May 2019 15:03

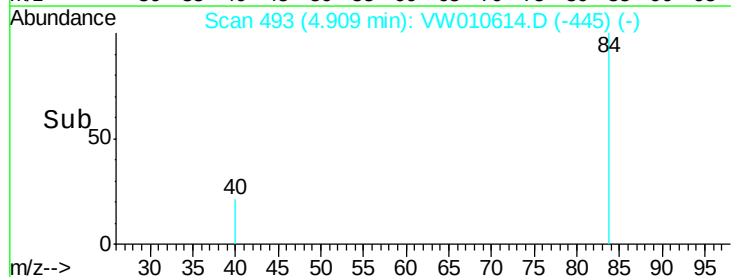
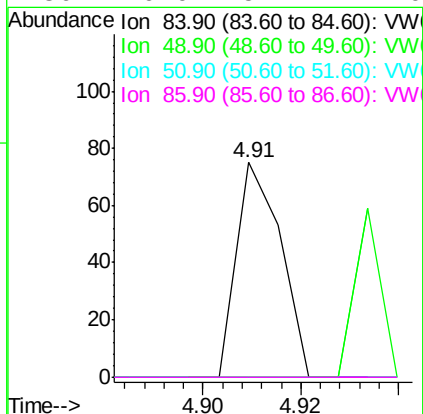
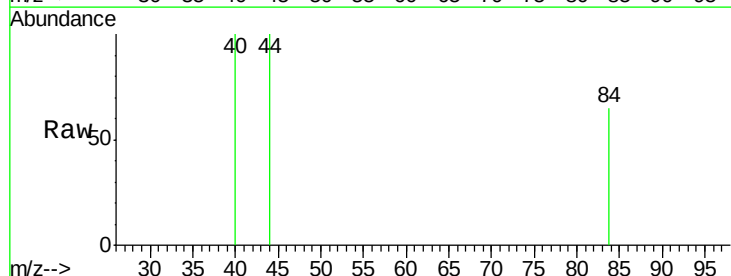
Instrument :
MSVOA_W
ClientSampleId :
0423-HR-3(HACKENSACK)

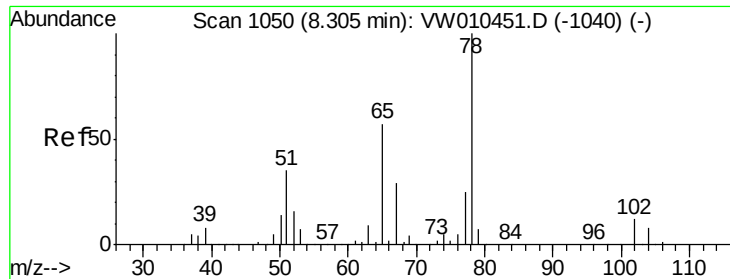
Tot Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010614.D
Acq: 30 May 2019 15:03

Tgt Ion: 84 Resp: 47
Ion Ratio Lower Upper
84 100
49 0.0 87.2 130.8#
51 0.0 27.7 41.5#
86 0.0 51.4 77.0#

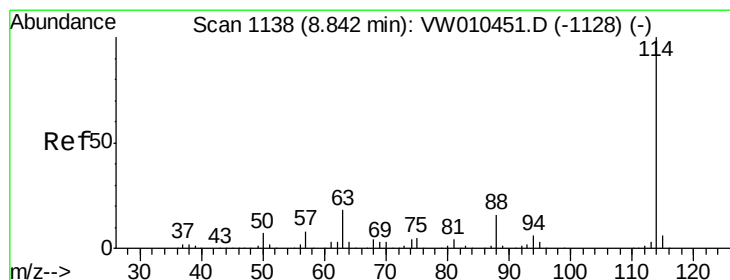
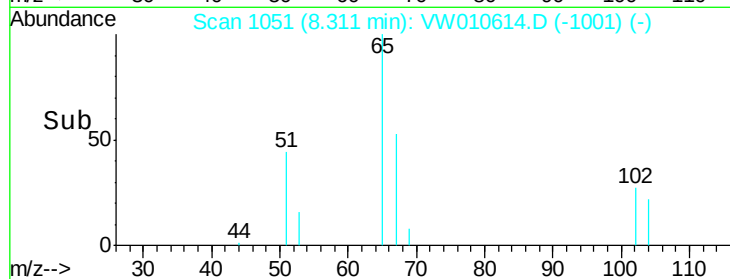
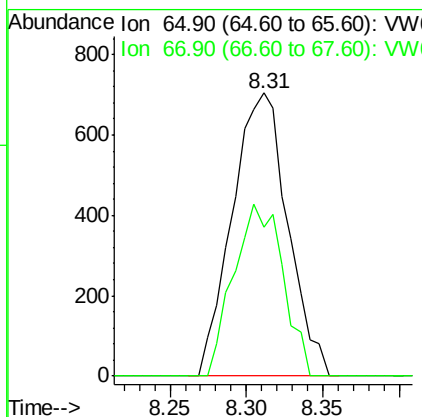
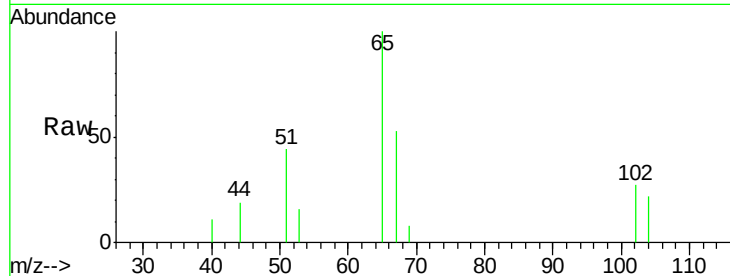




#33
 1,2-Dichloroethane-d4
 Concen: 53.057 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW010614.D
 Acq: 30 May 2019 15:03

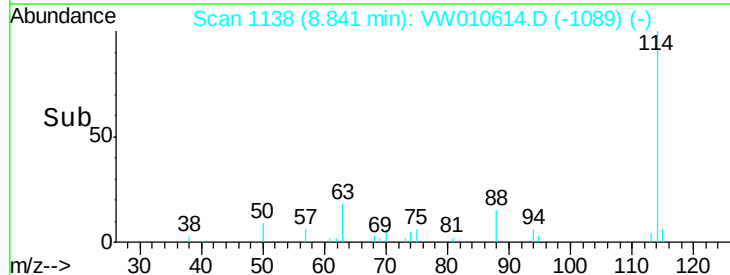
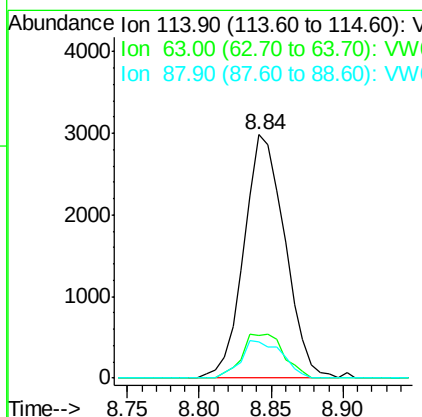
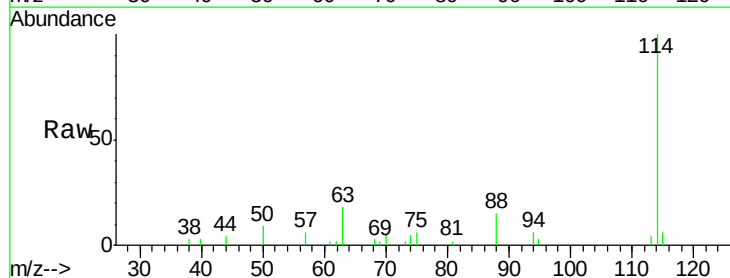
Instrument :
 MSVOA_W
 ClientSampleId :
 0423-HR-3(HACKENSACK)

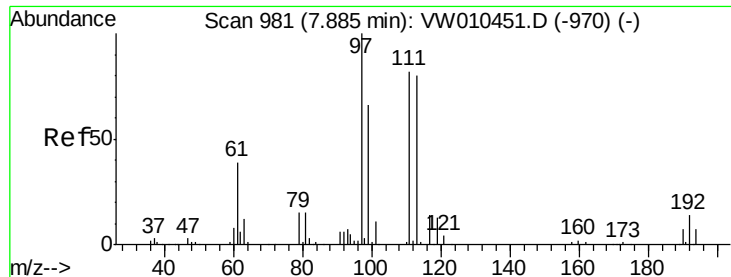
Tot Ion: 65 Resp: 1776
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010614.D
 Acq: 30 May 2019 15:03

Tgt Ion: 114 Resp: 5878
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 44.187 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010614.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_W
ClientSampleId :
0423-HR-3(HACKENSACK)

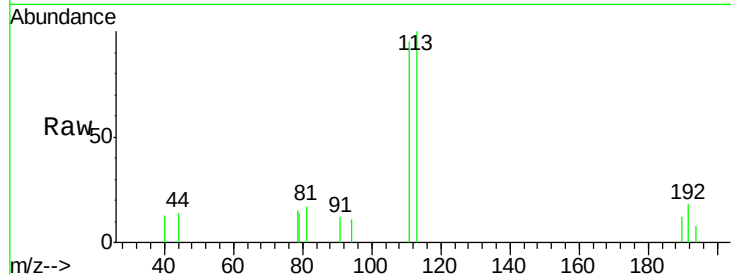
Tot Ion:113 Resp: 1576

Ion Ratio Lower Upper

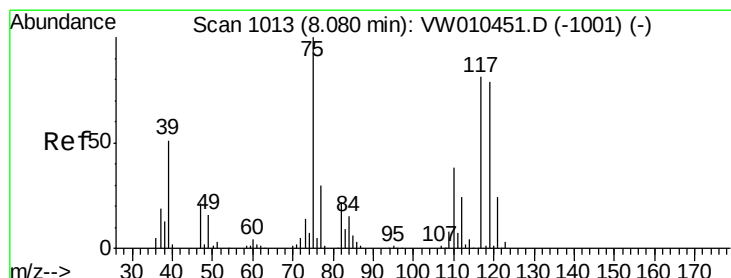
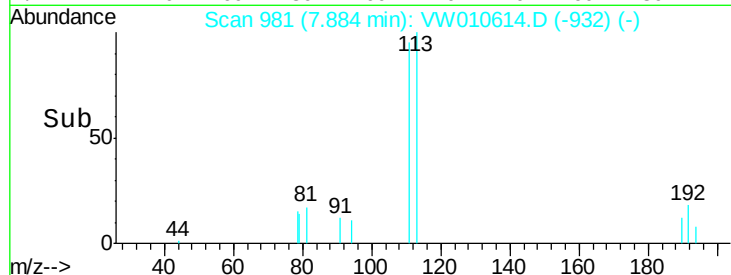
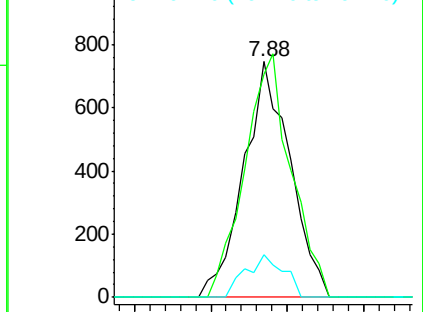
113 100

111 102.7 82.2 123.4

192 14.8 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: 4.584 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW010614.D

Acq: 30 May 2019 15:03

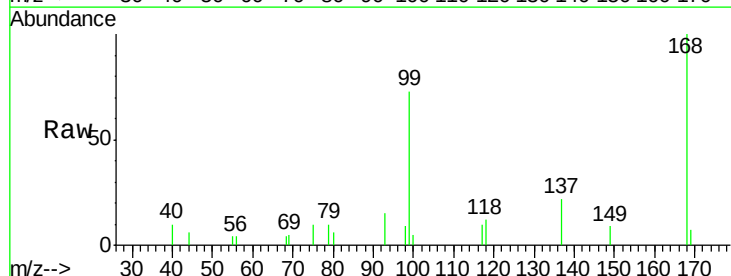
Tgt Ion: 75 Resp: 251

Ion Ratio Lower Upper

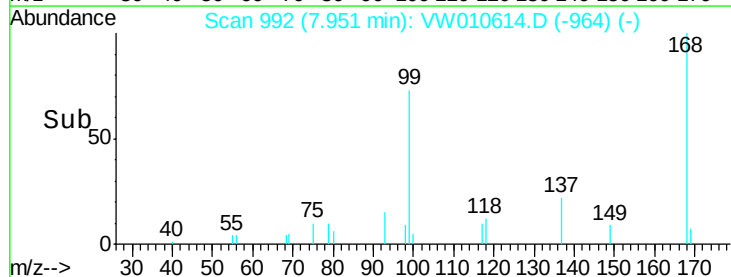
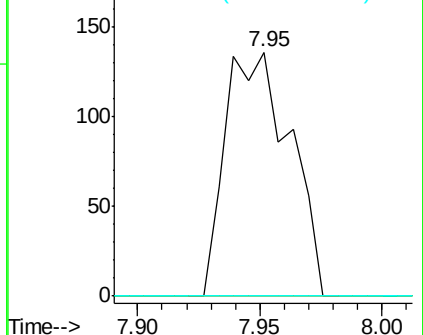
75 100

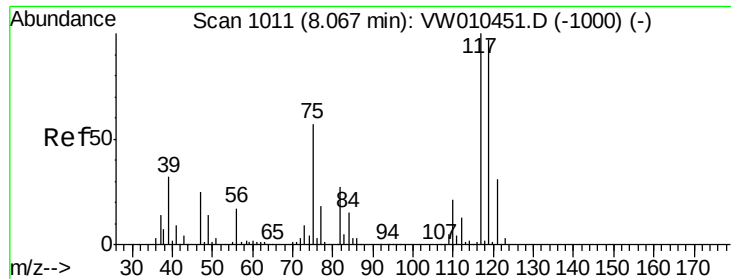
110 0.0 19.2 57.6#

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

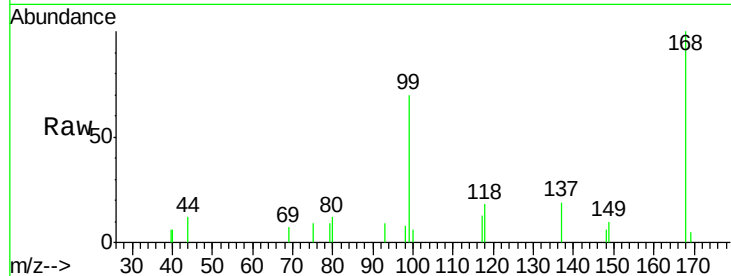




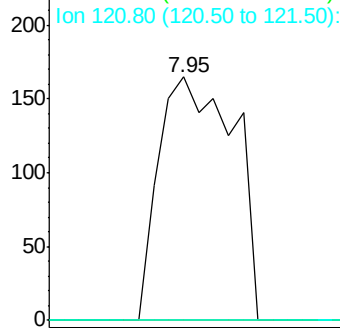
#38
Carbon Tetrachloride
Concen: 5.959 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010614.D
Acq: 30 May 2019 15:03

Instrument :
MSVOA_W
ClientSampleId :
0423-HR-3(HACKENSACK)

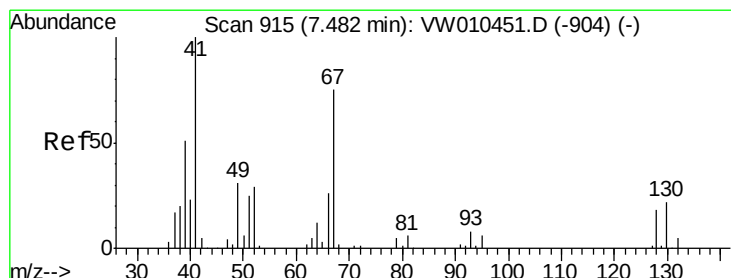
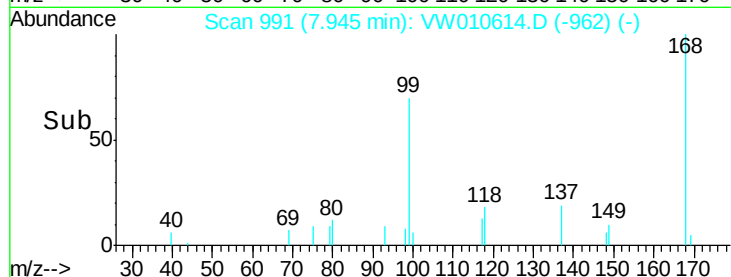
Tot Ion:117 Resp: 352
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.0 37.6#



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

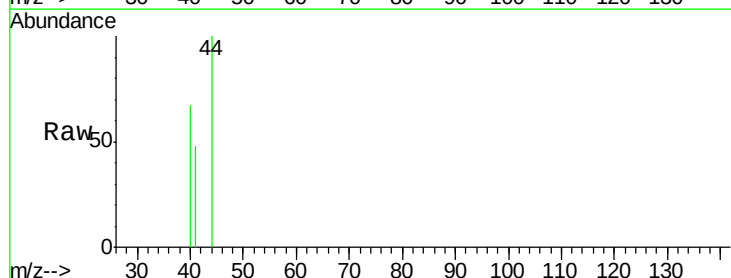


Time--> 7.90 7.95 8.00

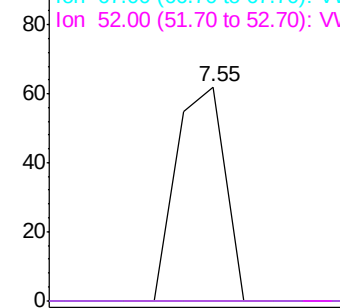


#41
Methacrylonitrile
Concen: 3.108 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.07 min
Lab File: VW010614.D
Acq: 30 May 2019 15:03

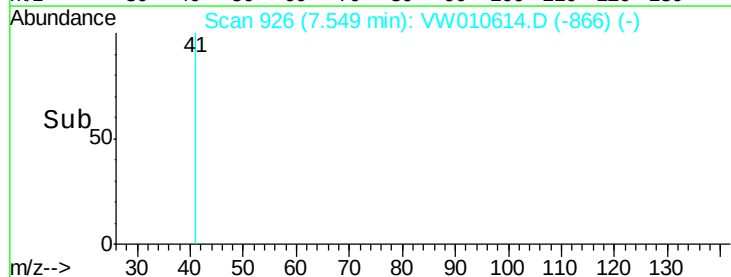
Tgt Ion: 41 Resp: 43
Ion Ratio Lower Upper
41 100
39 0.0 47.4 71.2#
67 0.0 65.5 98.3#
52 0.0 25.0 37.4#

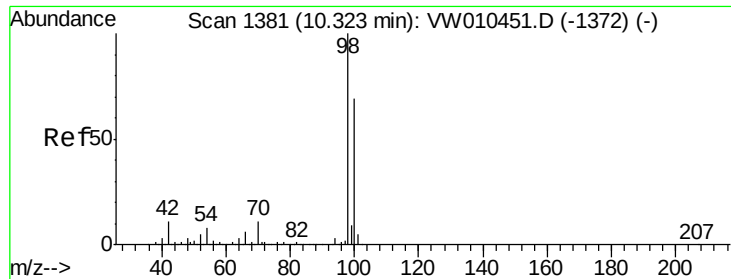


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



Time--> 7.52 7.54 7.56





#50

Toluene-d8

Concen: 49.187 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010614.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

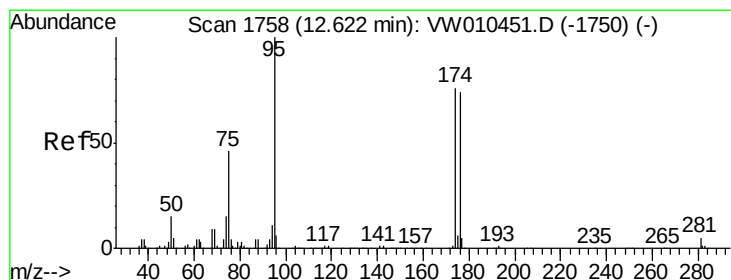
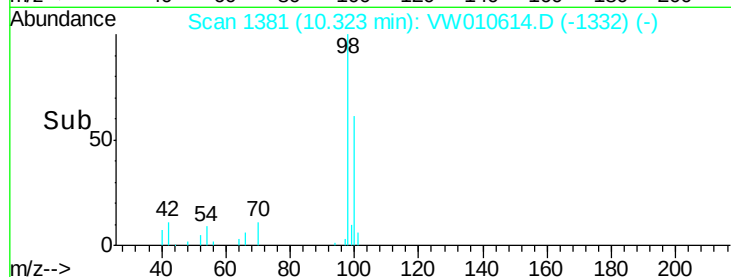
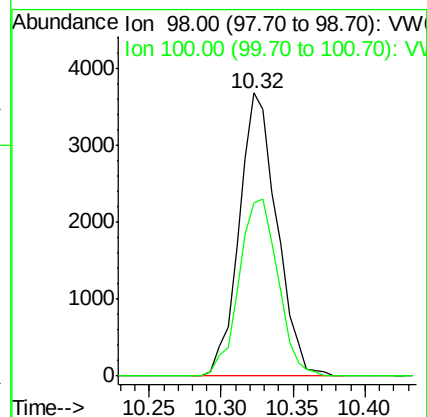
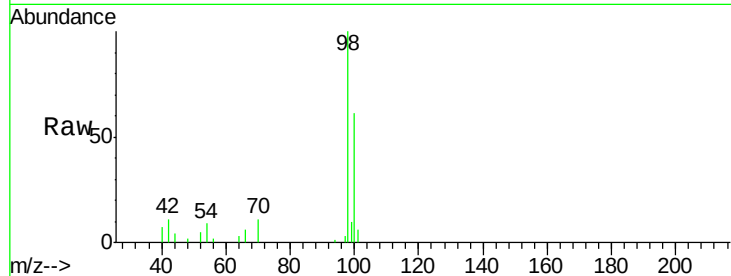
0423-HR-3(HACKENSACK)

Tot Ion: 98 Resp: 6702

Ion Ratio Lower Upper

98 100

100 64.5 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 27.565 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010614.D

Acq: 30 May 2019 15:03

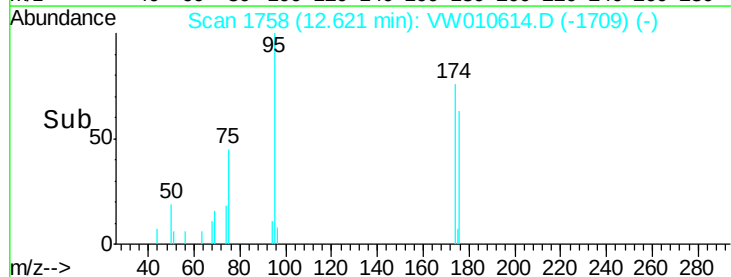
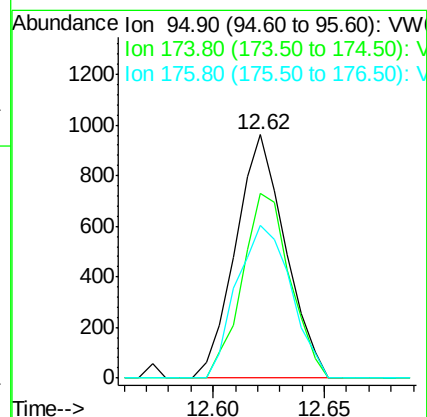
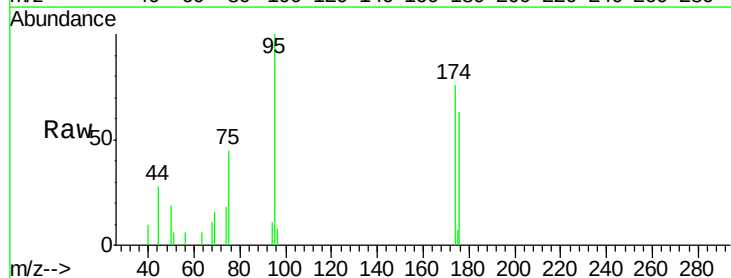
Tgt Ion: 95 Resp: 1496

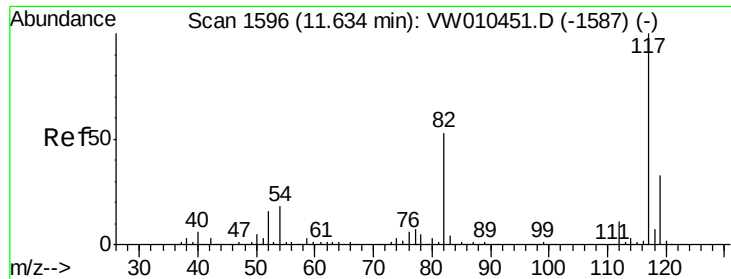
Ion Ratio Lower Upper

95 100

174 73.0 0.0 148.6

176 68.3 0.0 144.2

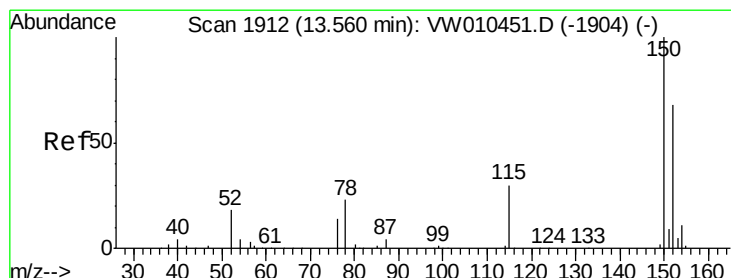
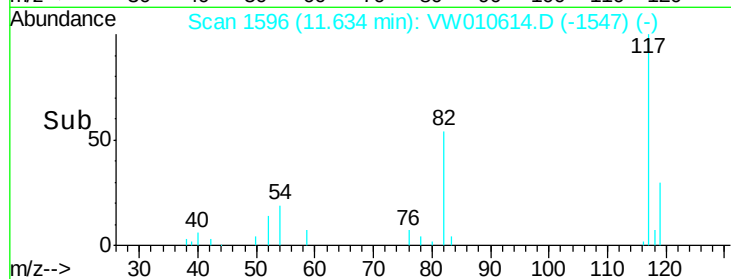
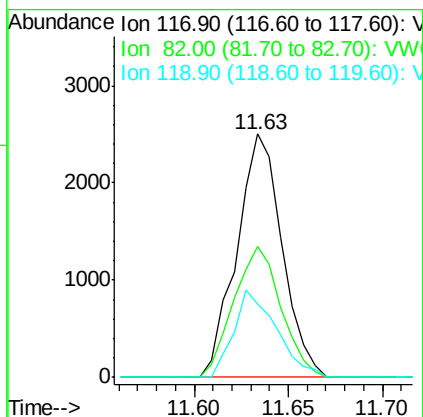
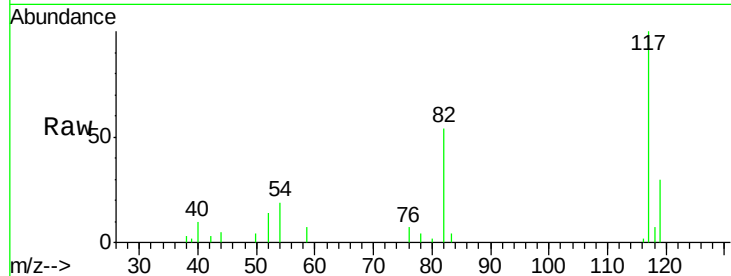




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010614.D
Acq: 30 May 2019 15:03

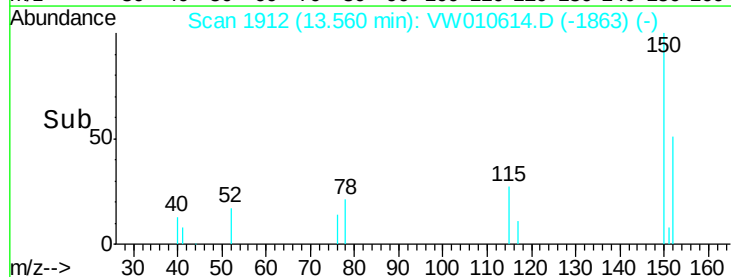
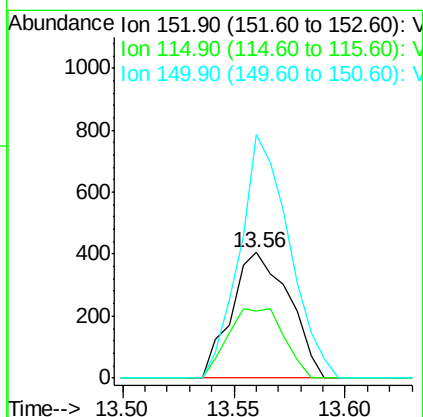
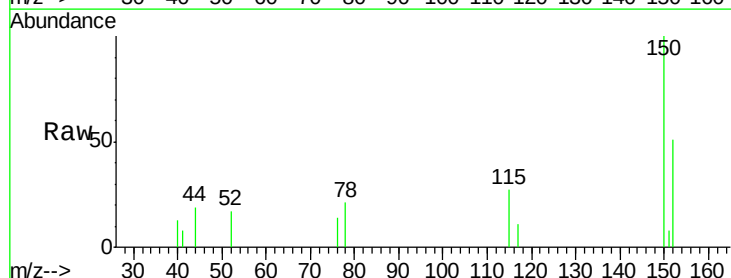
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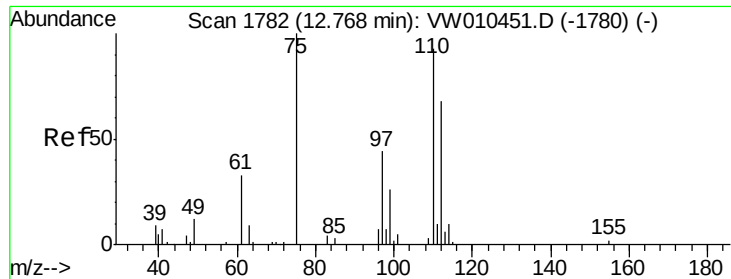
Tot Ion:117 Resp: 4174
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 30.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010614.D
Acq: 30 May 2019 15:03

Tgt Ion:152 Resp: 729
Ion Ratio Lower Upper
152 100
115 53.6 30.3 91.0
150 167.5 0.0 349.8

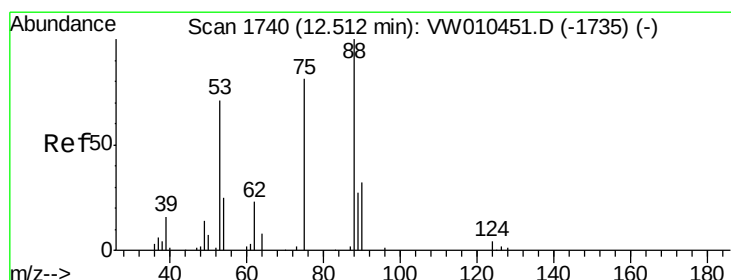
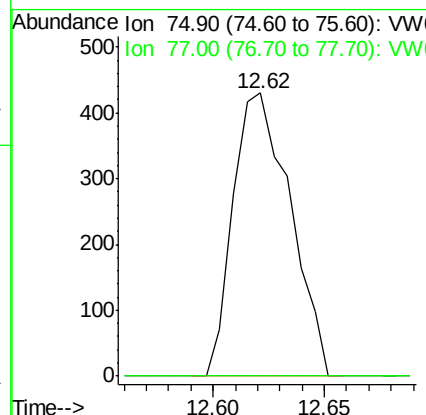
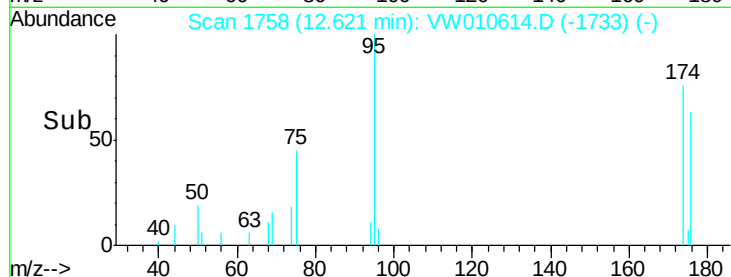
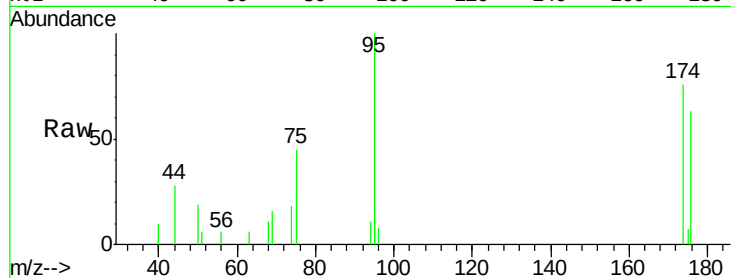




#76
 1,2,3-Trichloropropane
 Concen: 103.516 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010614.D
 Acq: 30 May 2019 15:03

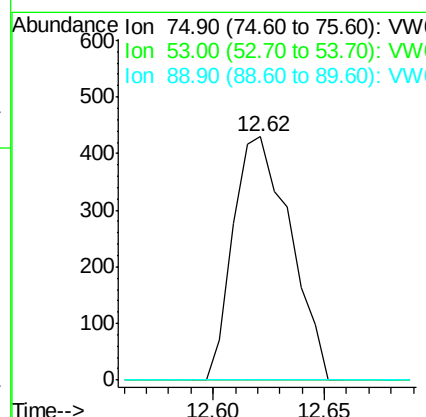
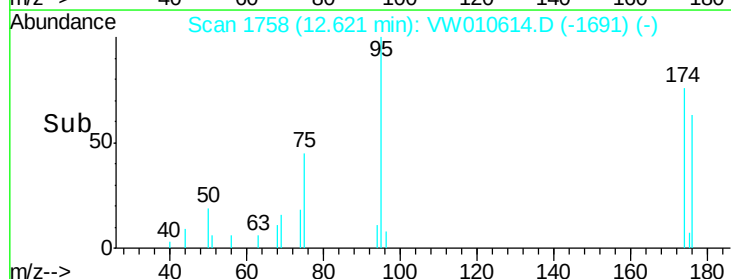
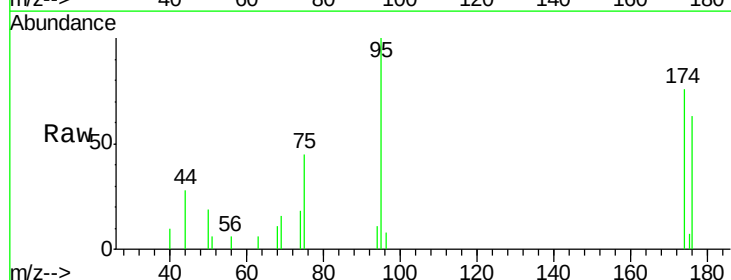
Instrument :
 MSVOA_W
 ClientSampleId :
 0423-HR-3(HACKENSACK)

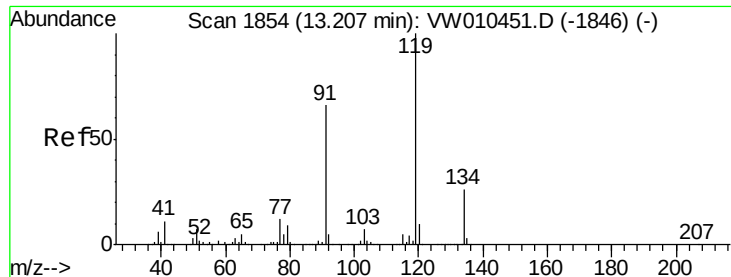
Tot Ion: 75 Resp: 766
 Ion Ratio Lower Upper
 75 100
 77 0.0 170.0 510.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 216.041 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010614.D
 Acq: 30 May 2019 15:03

Tgt Ion: 75 Resp: 766
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.0 39.5 59.3#

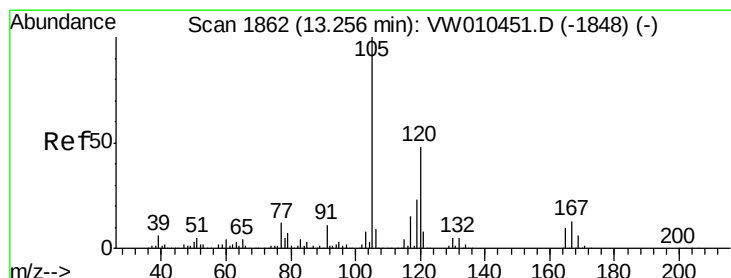
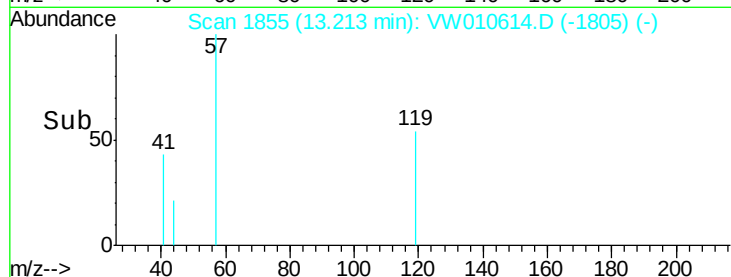
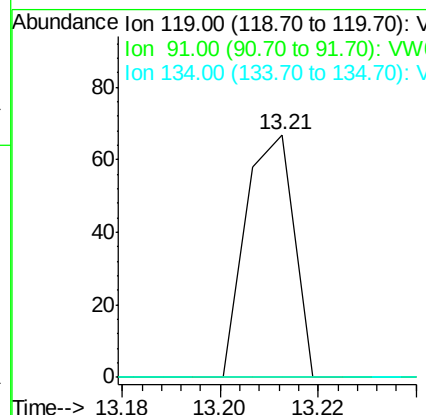
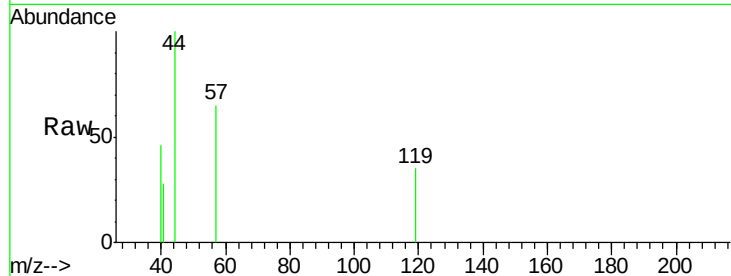




#83
 tert-Butylbenzene
 Concen: 1.075 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VW010614.D
 Acq: 30 May 2019 15:03

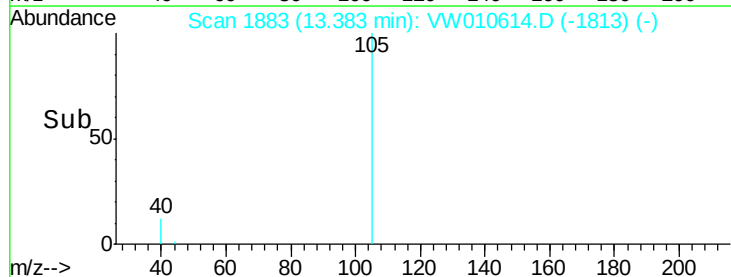
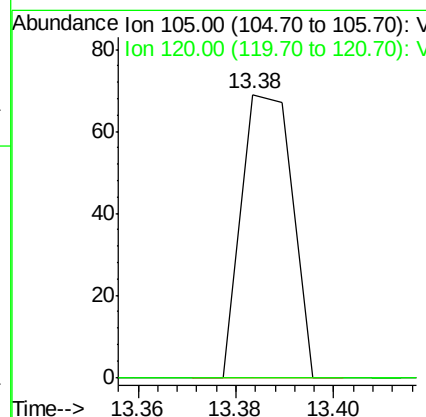
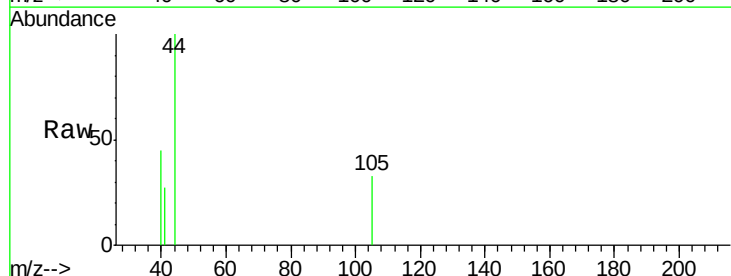
Instrument :
 MSVOA_W
 ClientSampleId :
 0423-HR-3(HACKENSACK)

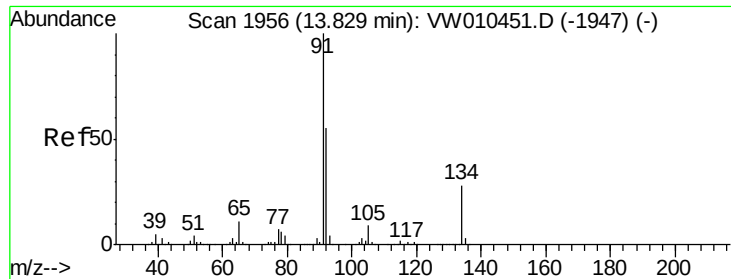
Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	33.1	99.5#
134	0.0	13.9	41.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.025 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.13 min
 Lab File: VW010614.D
 Acq: 30 May 2019 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	70.2#





#89

n-Butylbenzene

Concen: 1.241 ug/l

RT: 13.76 min Scan# 1945

Delta R.T. -0.07 min

Lab File: VW010614.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_W

ClientSampleId :

0423-HR-3(HACKENSACK)

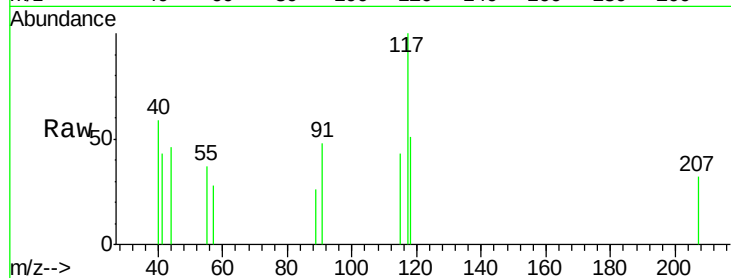
Tot Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

92 0.0 27.7 83.1#

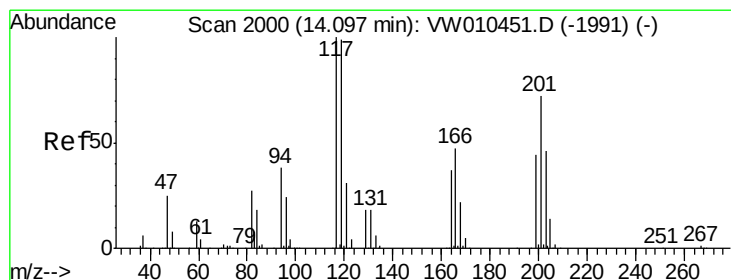
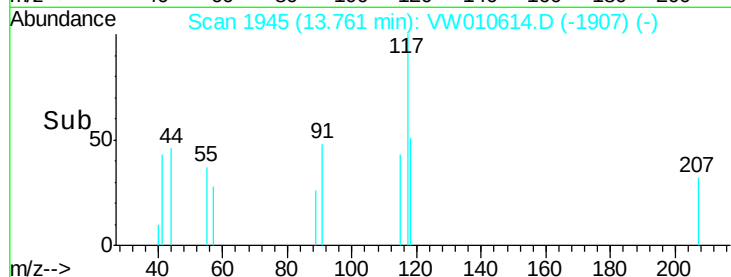
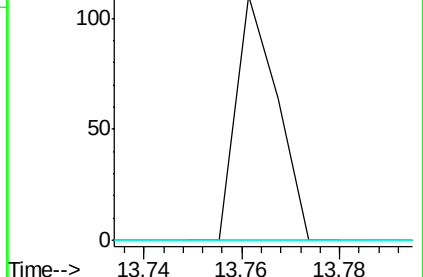
134 0.0 13.9 41.6#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 9.530 ug/l

RT: 14.21 min Scan# 2019

Delta R.T. 0.12 min

Lab File: VW010614.D

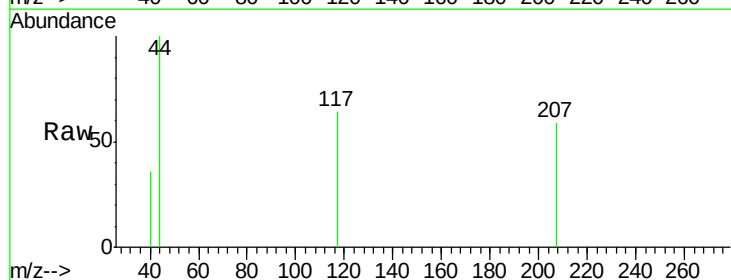
Acq: 30 May 2019 15:03

Tgt Ion: 117 Resp: 100

Ion Ratio Lower Upper

117 100

201 0.0 34.6 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

