

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010618.D
 Acq On : 30 May 2019 16:53
 Operator : SY/VA
 Sample : K3097-07
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0427-HR-7(HACKENSACK)

Quant Time: May 31 07:45:15 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	7.96	168	3385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	5188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	3903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	1802	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.88	113	1450	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
50) Toluene-d8	10.32	98	5900	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.63	95	1431	29.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.74%	

Target Compounds

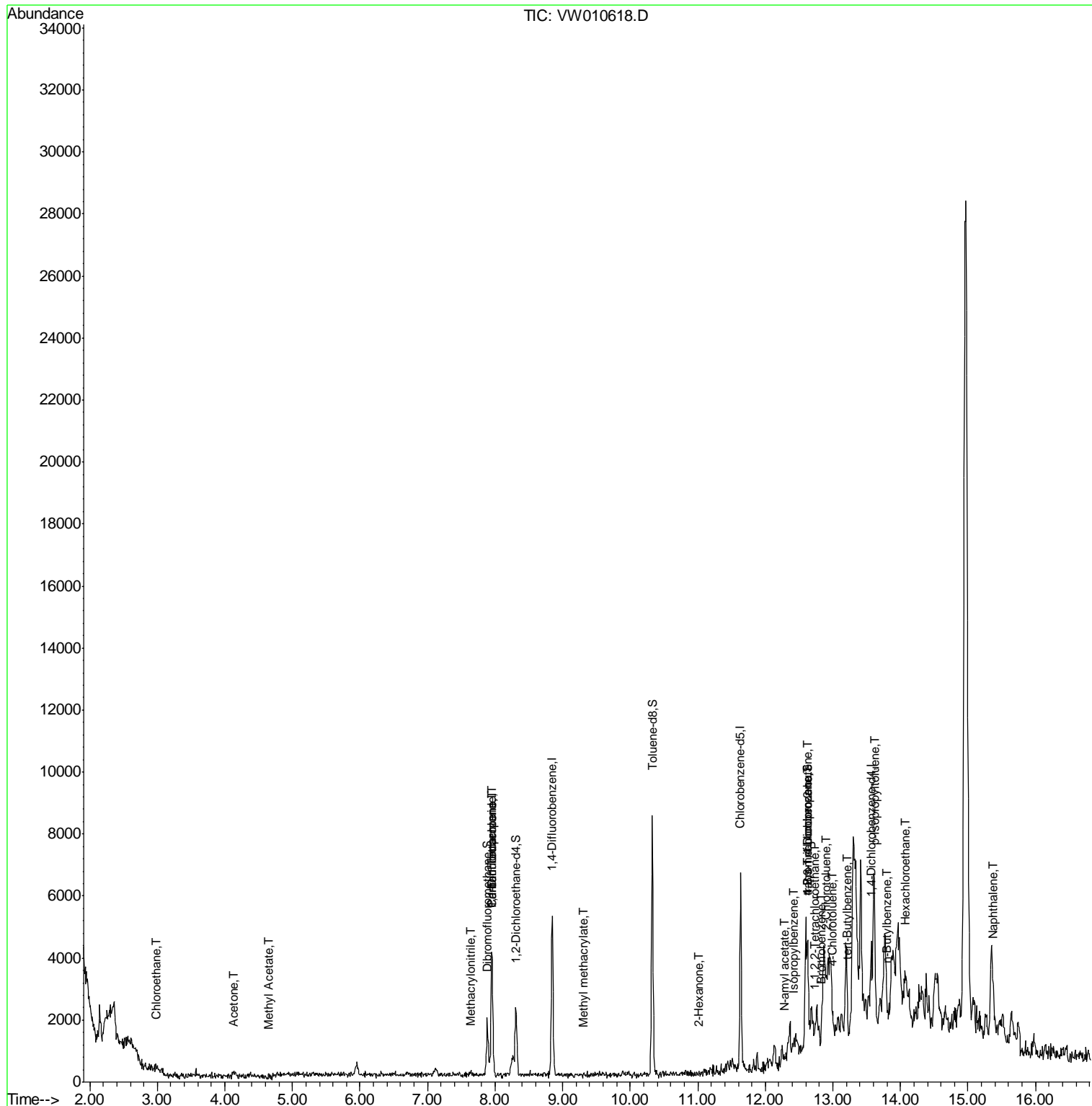
						Qvalue
6) Chloroethane	2.98	64	40	1.513	ug/l #	43
16) Acetone	4.13	43	271	37.999	ug/l #	41
18) Methyl Acetate	4.65	43	23	1.319	ug/l #	48
36) 1,1-Dichloropropene	7.96	75	161	3.331	ug/l #	40
38) Carbon Tetrachloride	7.95	117	241	4.623	ug/l #	12
41) Methacrylonitrile	7.65	41	19	1.556	ug/l #	19
48) Methyl methacrylate	9.32	41	40	2.130	ug/l #	8
59) 2-Hexanone	11.01	43	51	3.436	ug/l #	22
73) Isopropylbenzene	12.43	105	51	1.309	ug/l #	47
74) N-amyl acetate	12.29	43	41	4.592	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.73	83	31	4.374	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	563	112.962	ug/l #	1
77) Bromobenzene	12.82	156	266	30.508	ug/l #	1
79) 2-Chlorotoluene	12.91	91	181	6.874	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.62	75	563	235.755	ug/l #	14
82) 4-Chlorotoluene	12.99	91	147	5.378	ug/l #	40
83) tert-Butylbenzene	13.22	119	88	3.053	ug/l #	70
86) p-Isopropyltoluene	13.62	119	97	2.657	ug/l #	71
89) n-Butylbenzene	13.80	91	153	4.406	ug/l #	31
90) Hexachloroethane	14.06	117	19	2.689	ug/l #	15
95) Naphthalene	15.38	128	44	1.977	ug/l #	69

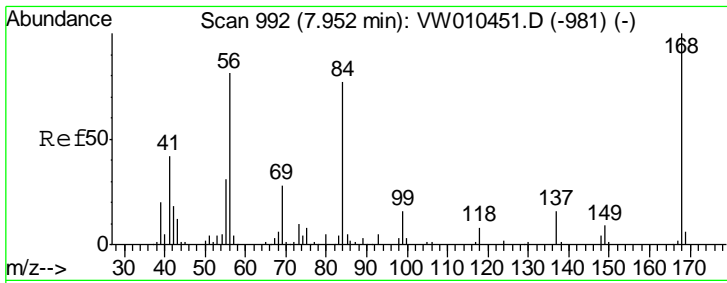
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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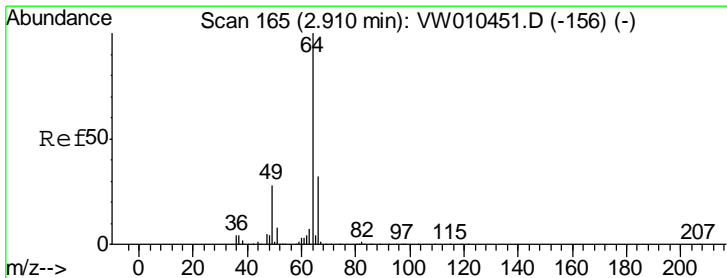
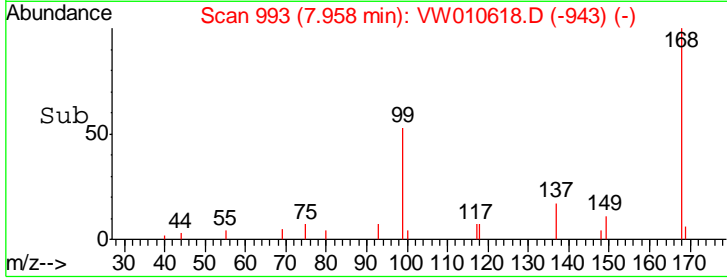
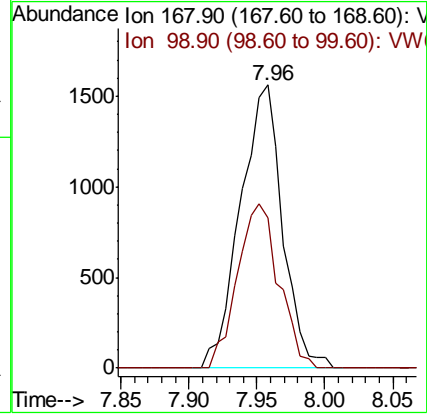
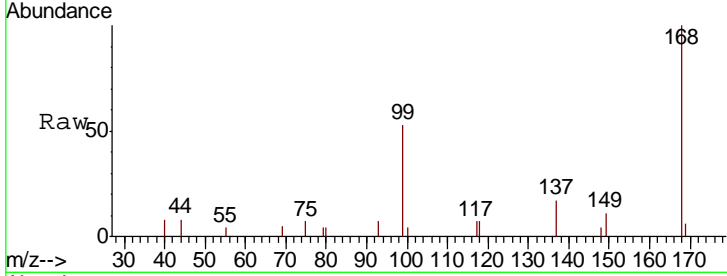




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

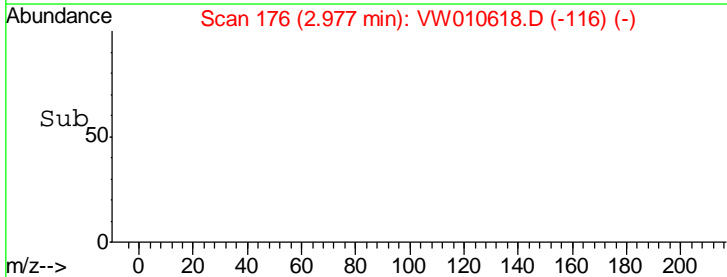
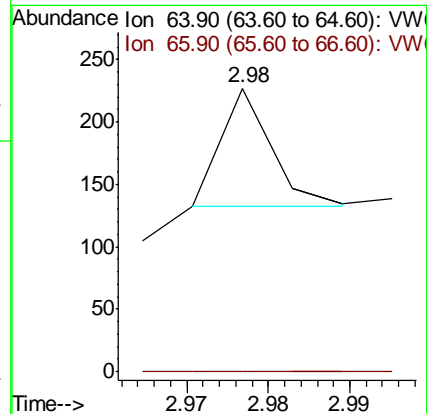
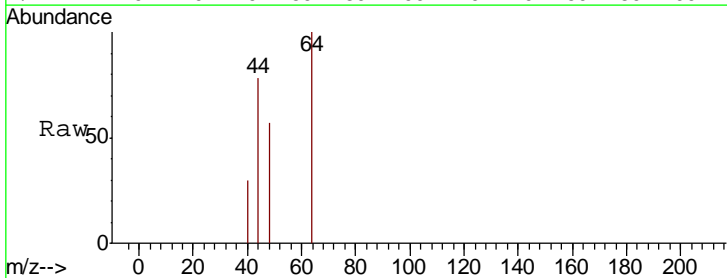
Instrument :
 MSVOA_W
 ClientSampled :
 0427-HR-7(HACKENSACK)

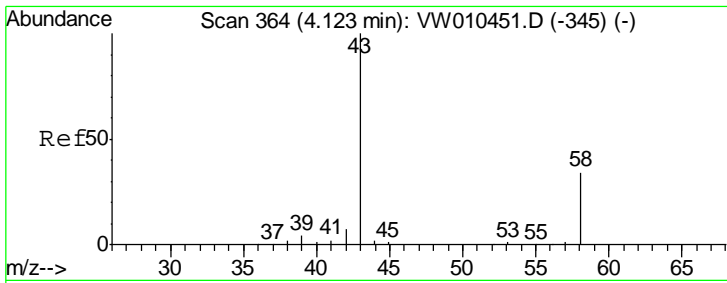
Tgt Ion: 168 Resp: 3385
 Ion Ratio Lower Upper
 168 100
 99 53.0 46.1 69.1



#6
 Chloroethane
 Concen: 1.513 ug/l
 RT: 2.98 min Scan# 176
 Delta R.T. 0.07 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion: 64 Resp: 40
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.5 38.3#

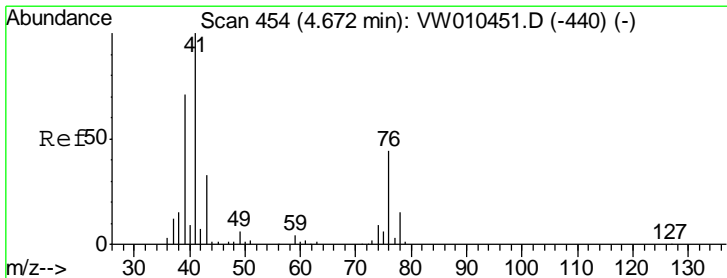
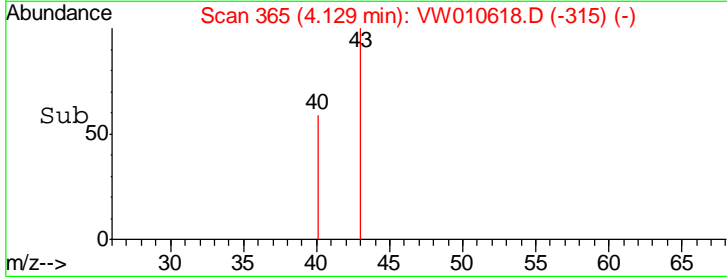
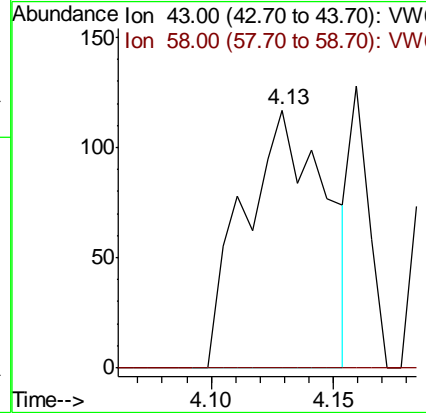
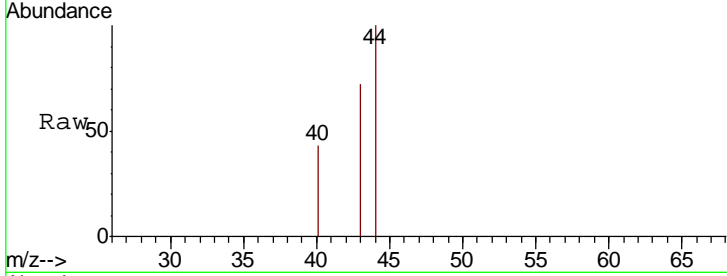




#16
 Acetone
 Concen: 37.999 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

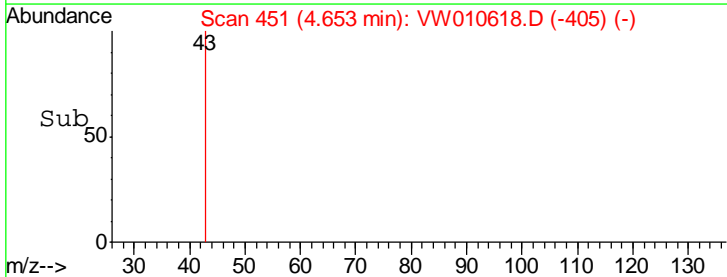
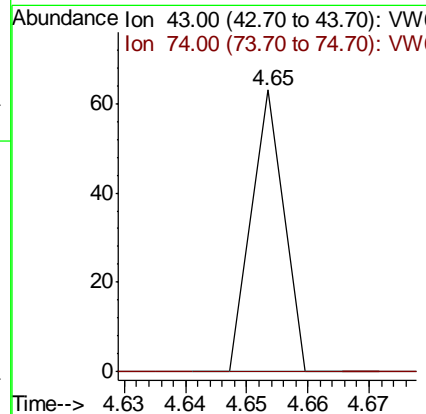
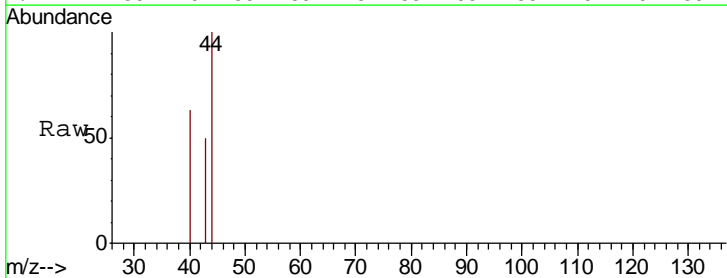
Instrument :
 MSVOA_W
 ClientSampled :
 0427-HR-7(HACKENSACK)

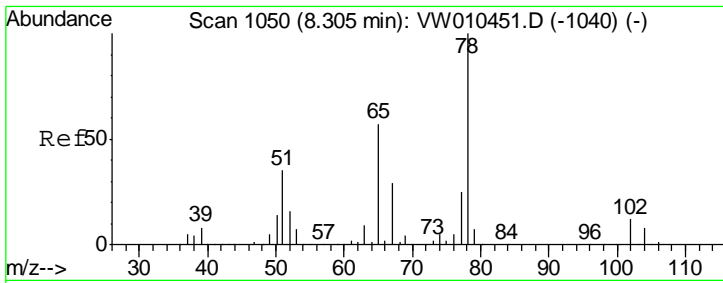
Tgt Ion: 43 Resp: 271
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.0 40.4#



#18
 Methyl Acetate
 Concen: 1.319 ug/l
 RT: 4.65 min Scan# 451
 Delta R.T. -0.02 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion: 43 Resp: 23
 Ion Ratio Lower Upper
 43 100
 74 0.0 21.6 32.4#

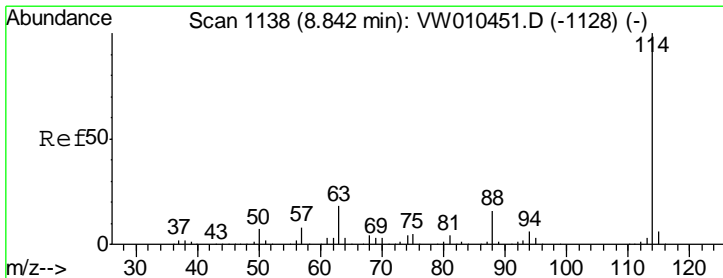
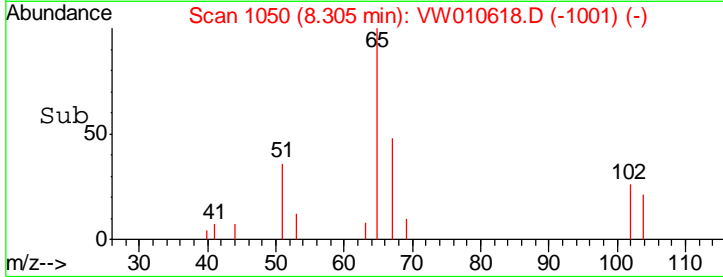
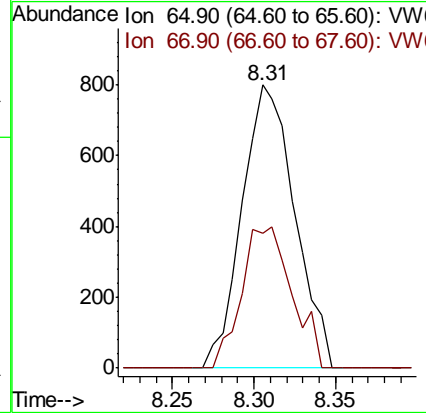
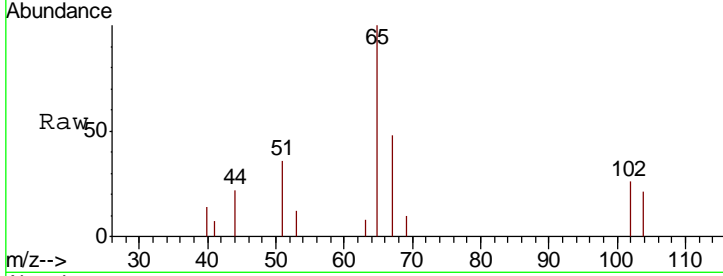




#33
 1,2-Dichloroethane-d4
 Concen: 51.576 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

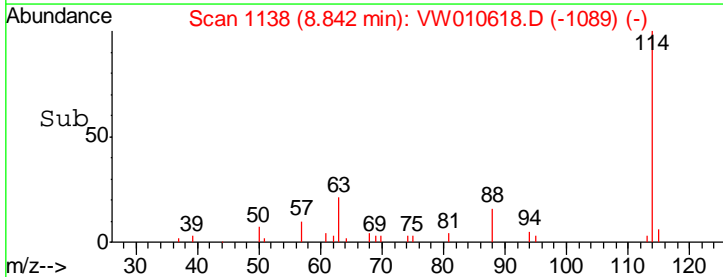
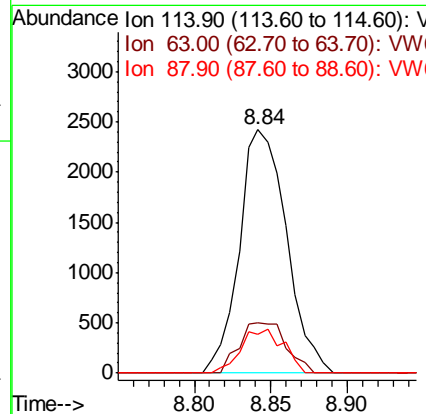
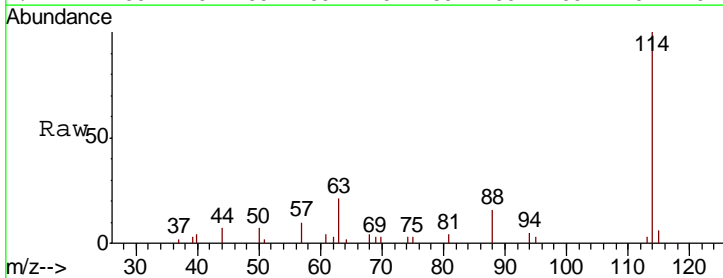
Instrument :
 MSVOA_W
ClientSampled :
 0427-HR-7(HACKENSACK)

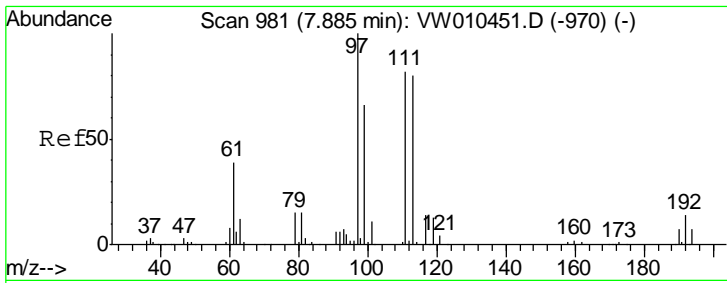
Tgt Ion	Resp	Lower	Upper
65	1802		
67	47.7	0.0	103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
114	5188		
63	20.9	0.0	36.0
88	15.8	0.0	32.0

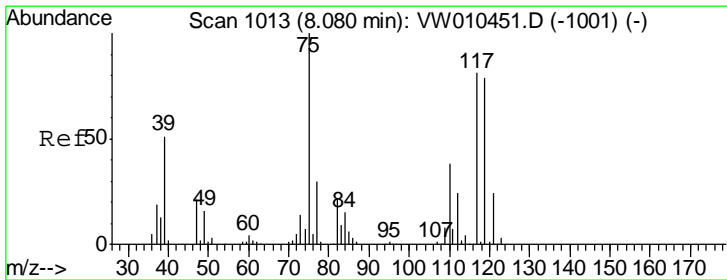
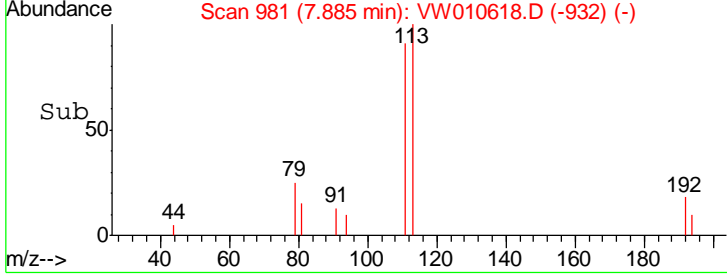
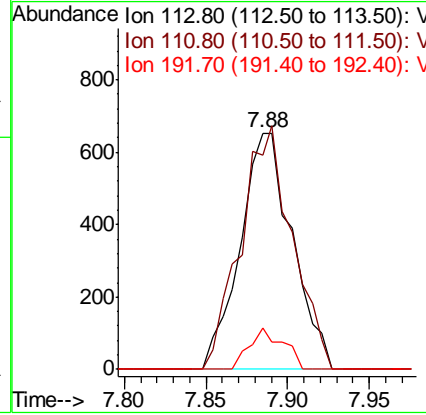
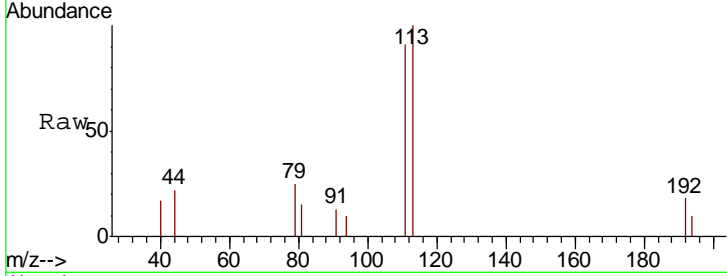




#35
 Dibromofluoromethane
 Concen: 46.061 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

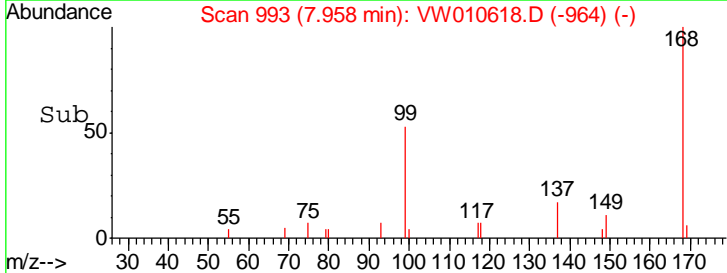
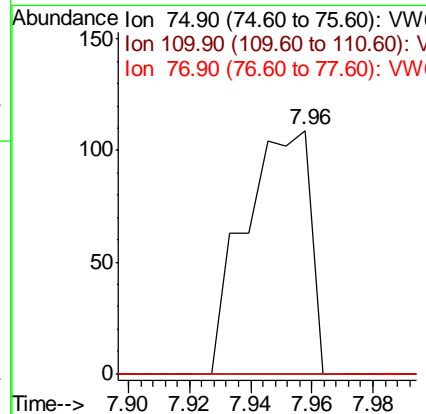
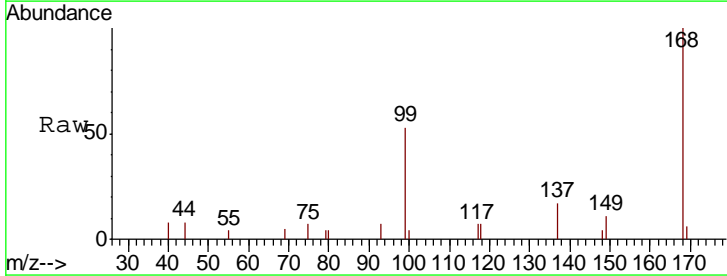
Instrument :
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 ClientSampleId :
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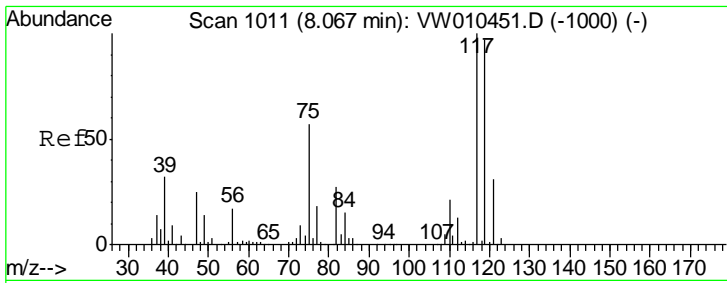
Tgt Ion	Resp	Lower	Upper
113	1450		
111	101.9	82.2	123.4
192	11.4	14.3	21.5#



#36
 1,1-Dichloropropene
 Concen: 3.331 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
75	161		
110	0.0	19.2	57.6#
77	0.0	25.2	37.8#

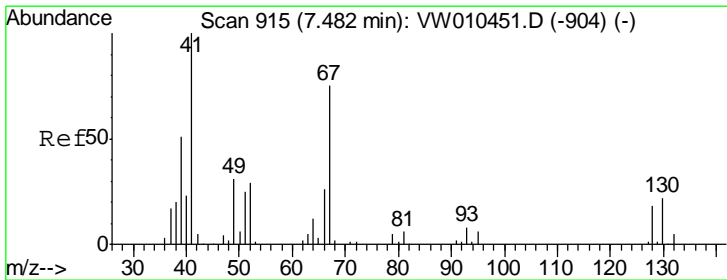
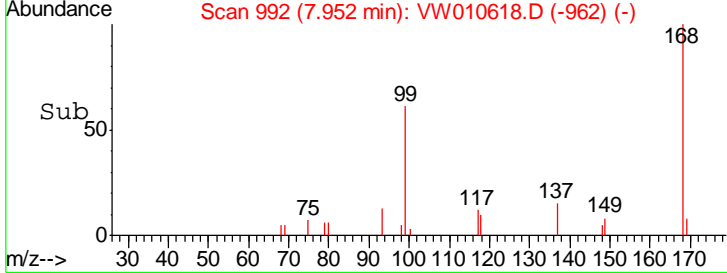
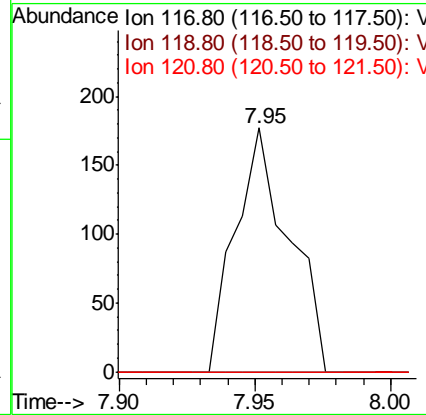
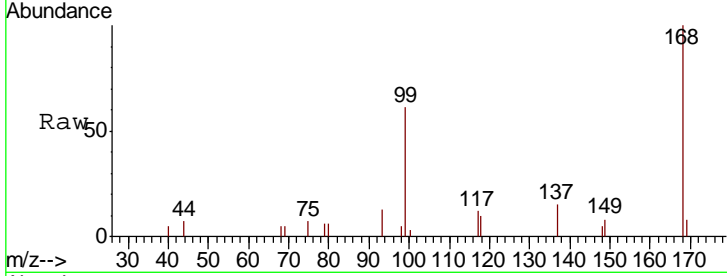




#38
 Carbon Tetrachloride
 Concen: 4.623 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

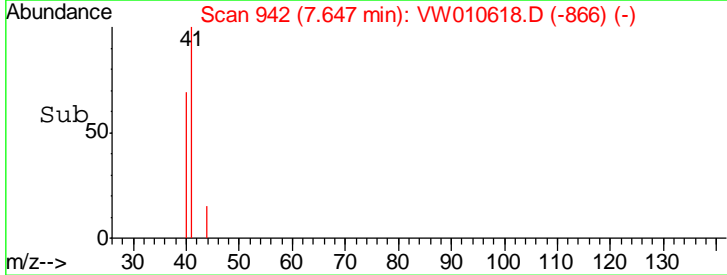
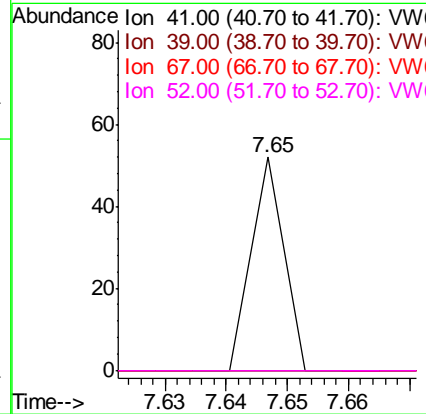
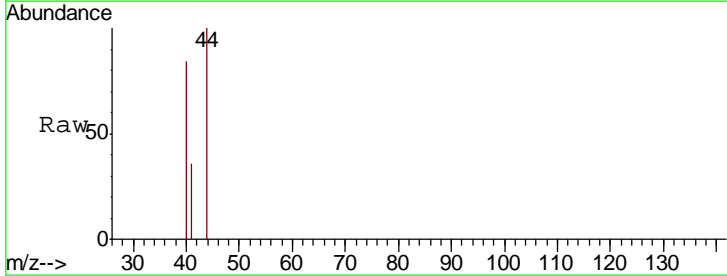
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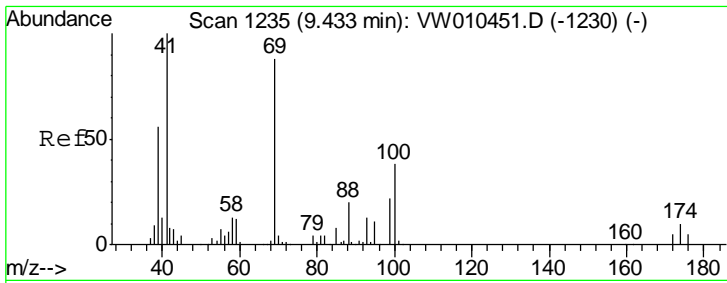
Tgt Ion	Resp	Lower	Upper
117	100		
119	0.0	77.4	116.0#
121	0.0	25.0	37.6#



#41
 Methacrylonitrile
 Concen: 1.556 ug/l
 RT: 7.65 min Scan# 942
 Delta R.T. 0.16 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	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#

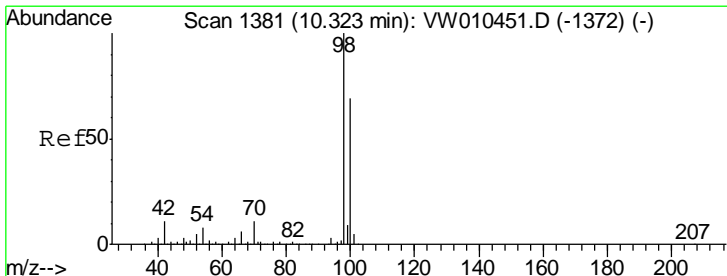
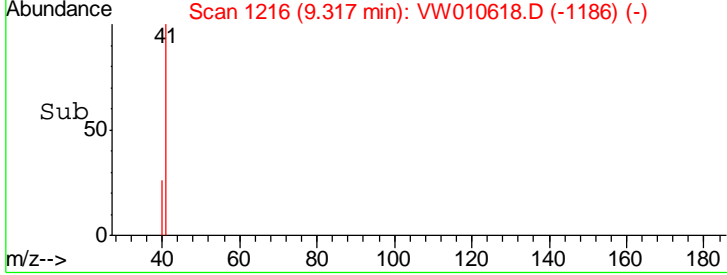
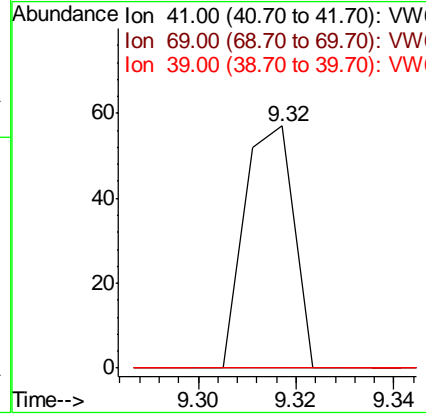
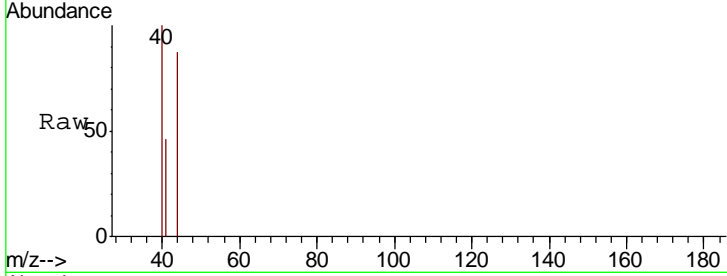




#48
 Methyl methacrylate
 Concen: 2.130 ug/l
 RT: 9.32 min Scan# 1216
 Delta R.T. -0.12 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

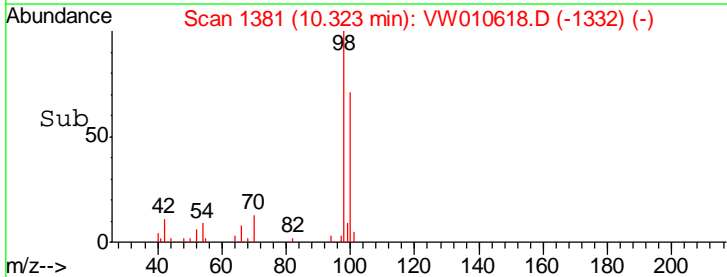
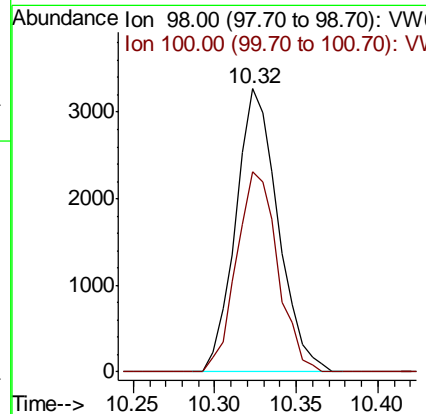
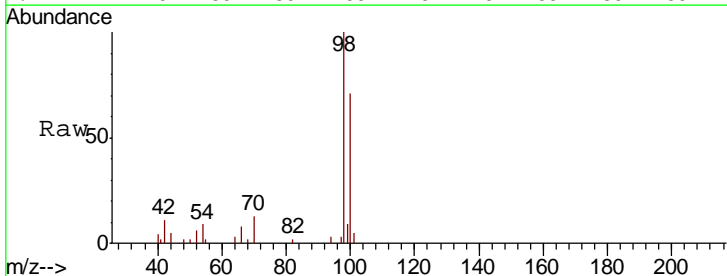
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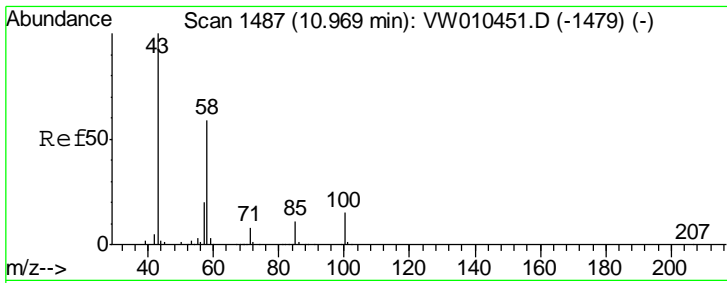
Tgt Ion	Resp	Lower	Upper
41	100		
69	0.0	77.6	116.4#
39	0.0	49.8	74.8#



#50
 Toluene-d8
 Concen: 49.060 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
98	100		
100	69.1	53.7	80.5

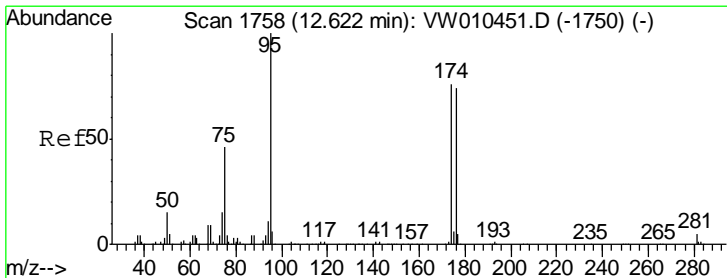
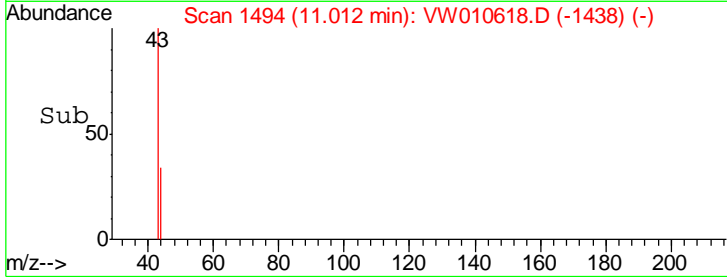
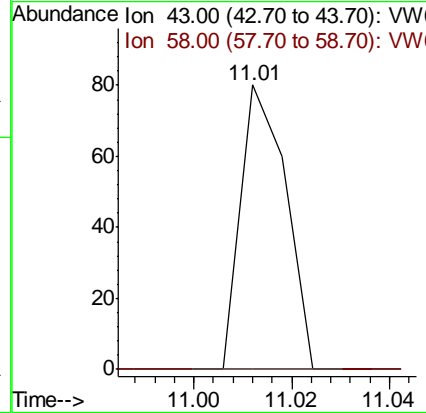
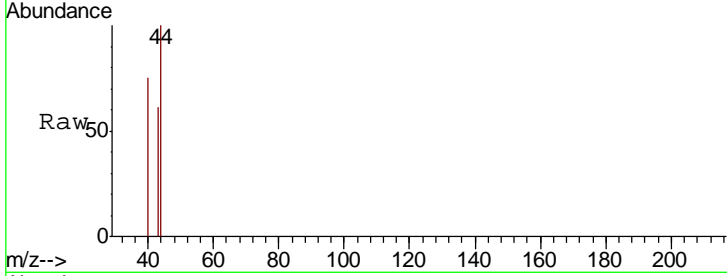




#59
 2-Hexanone
 Concen: 3.436 ug/l
 RT: 11.01 min Scan# 1494
 Delta R.T. 0.04 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

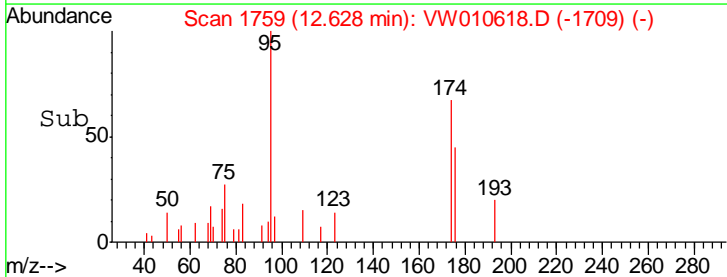
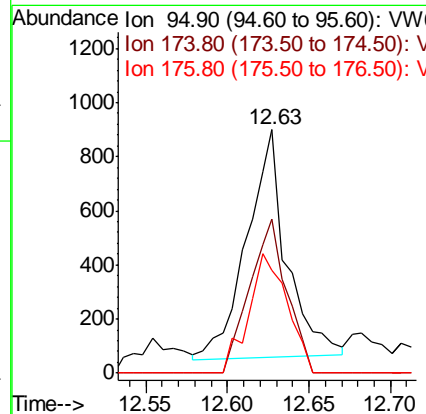
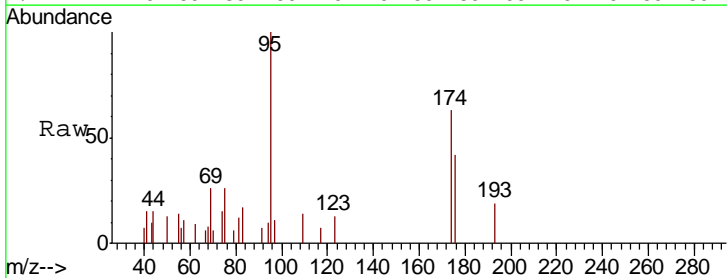
Instrument : MSVOA_W
 ClientSampled : 0427-HR-7(HACKENSACK)

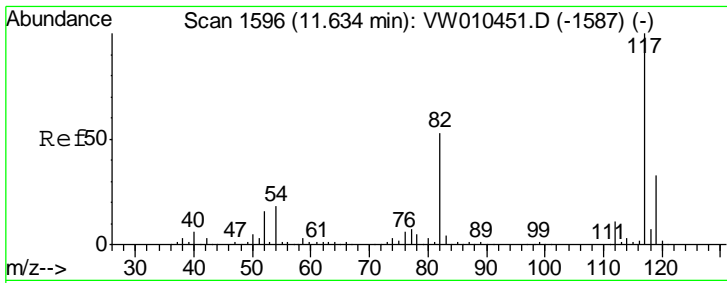
Tgt Ion	Resp	Lower	Upper
43	100		
58	0.0	28.9	86.8#



#62
 4-Bromofluorobenzene
 Concen: 29.874 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
95	100		
174	62.8	0.0	148.6
176	50.8	0.0	144.2

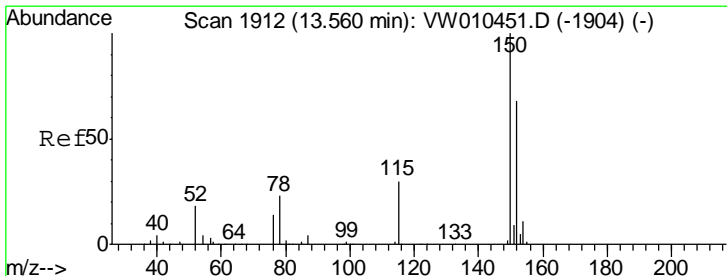
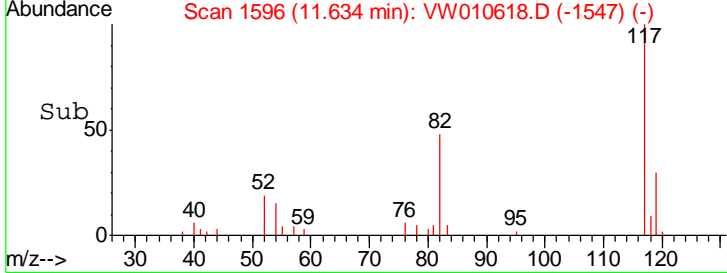
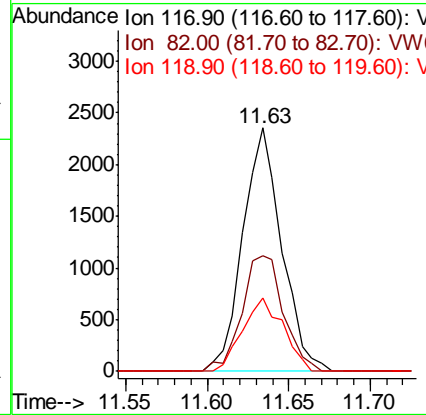
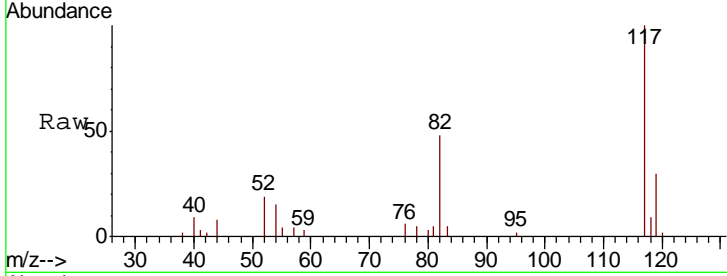




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

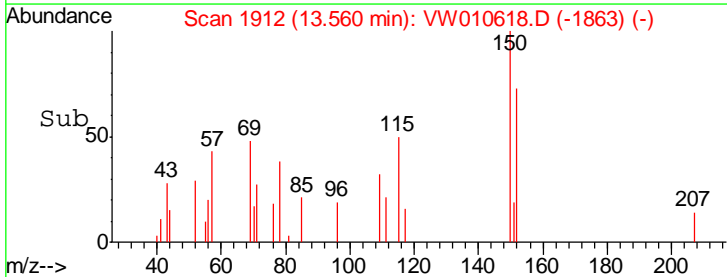
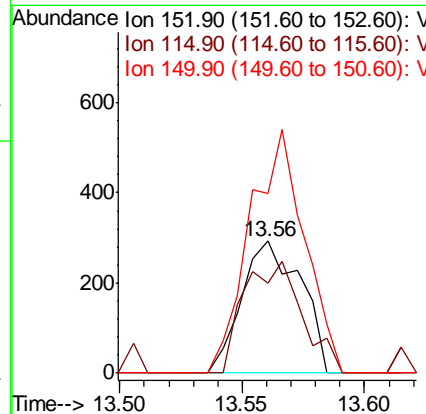
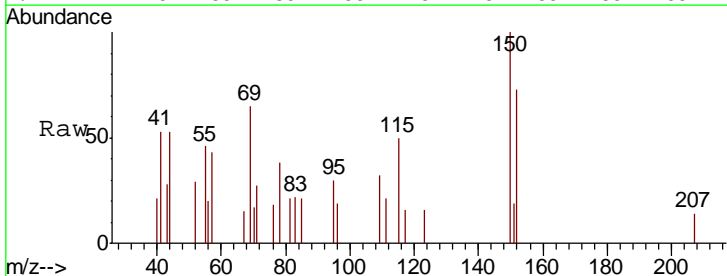
Instrument : MSVOA_W
 ClientSampled : 0427-HR-7(HACKENSACK)

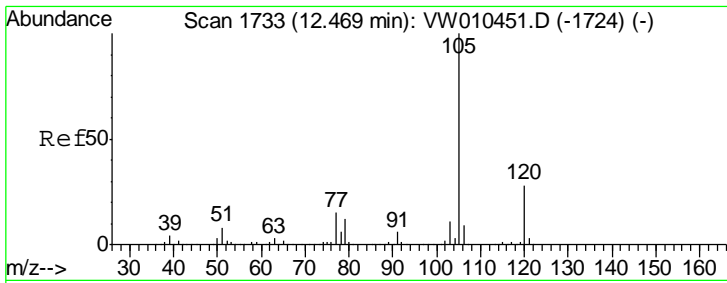
Tgt Ion	Resp	Lower	Upper
117	3903		
82	47.6	42.8	64.2
119	30.1	26.3	39.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
152	491		
115	83.1	30.3	91.0
150	170.5	0.0	349.8

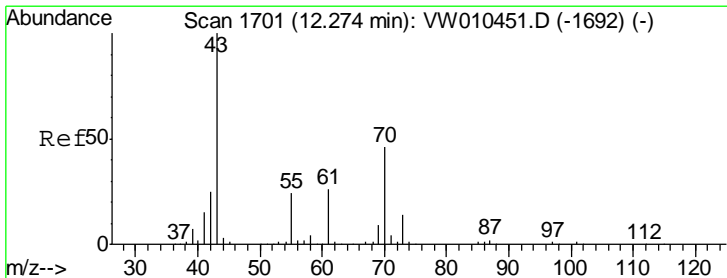
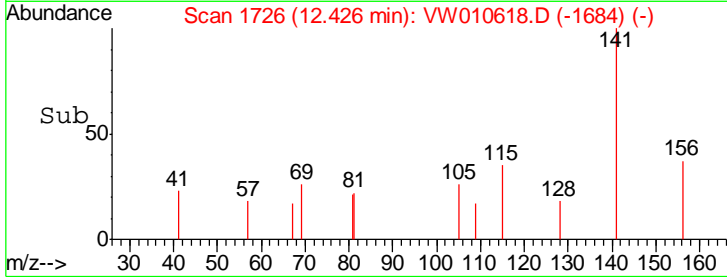
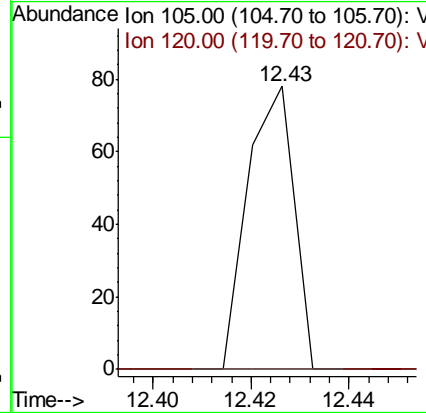
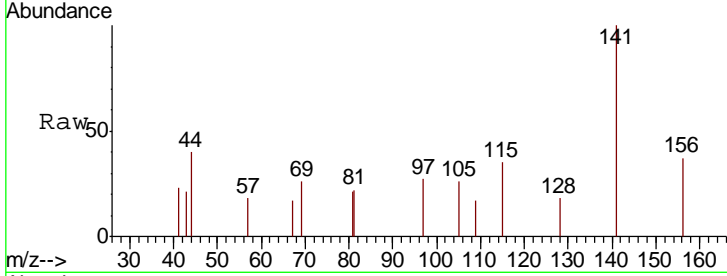




#73
 Isopropylbenzene
 Concen: 1.309 ug/l
 RT: 12.43 min Scan# 1726
 Delta R.T. -0.04 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

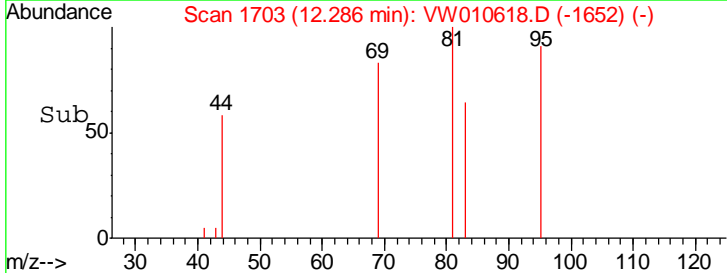
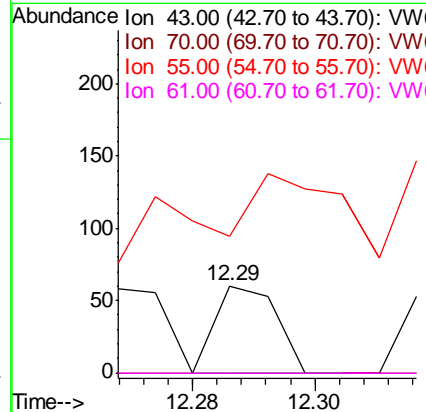
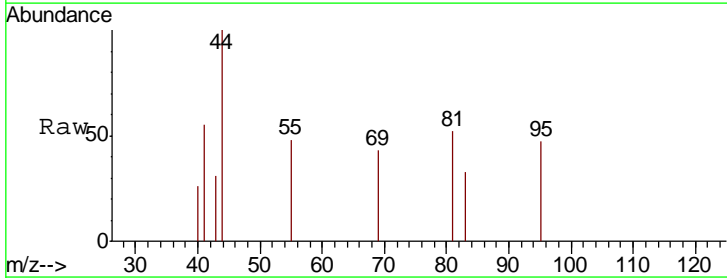
Instrument : MSVOA_W
 ClientSampled : 0427-HR-7(HACKENSACK)

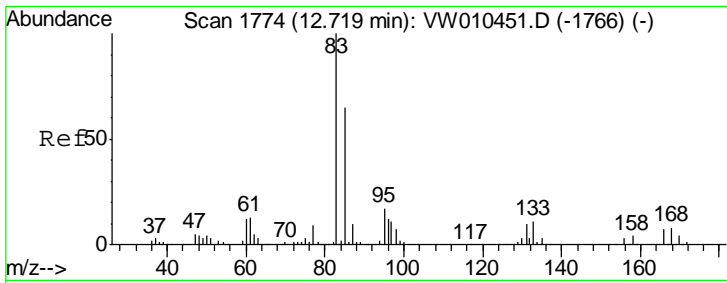
Tgt Ion	Resp	Lower	Upper
105	100		
120	0.0	13.9	41.7#



#74
 N-amyl acetate
 Concen: 4.592 ug/l
 RT: 12.29 min Scan# 1703
 Delta R.T. 0.01 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
43	100		
70	0.0	37.1	55.7#
55	1007.3	19.6	29.4#
61	0.0	20.7	31.1#

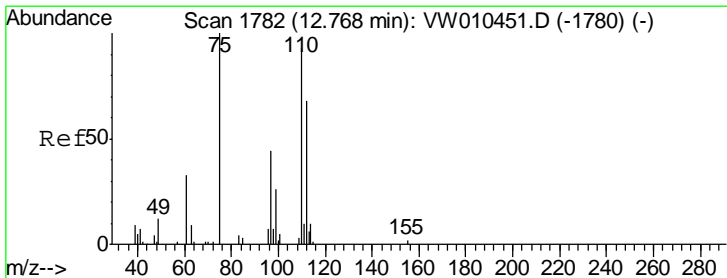
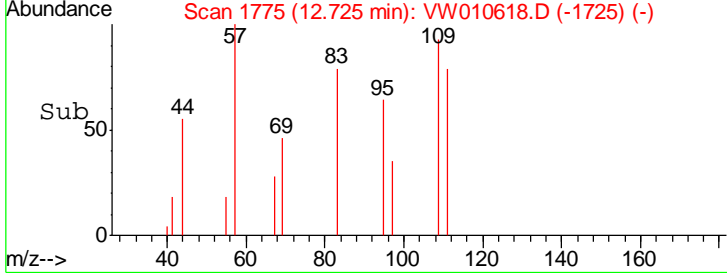
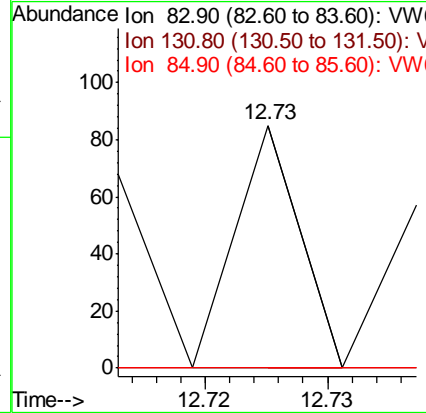
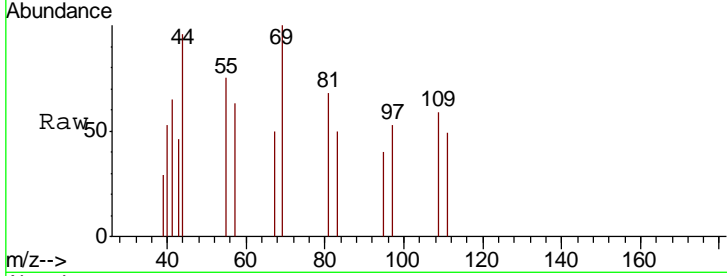




#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.374 ug/l
 RT: 12.73 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

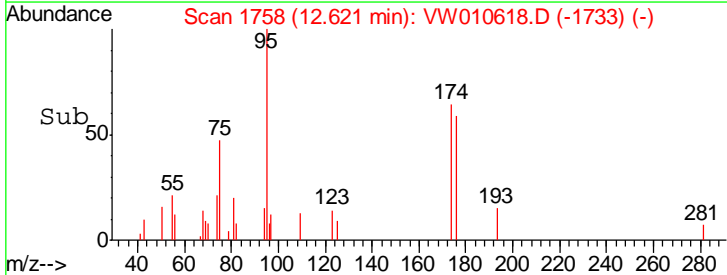
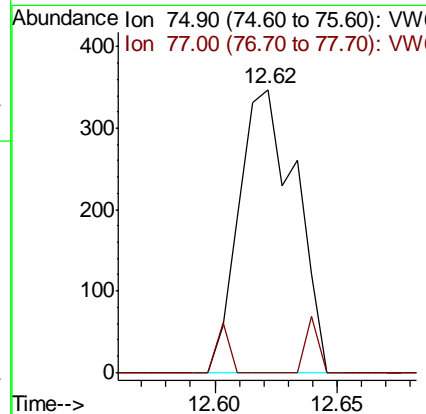
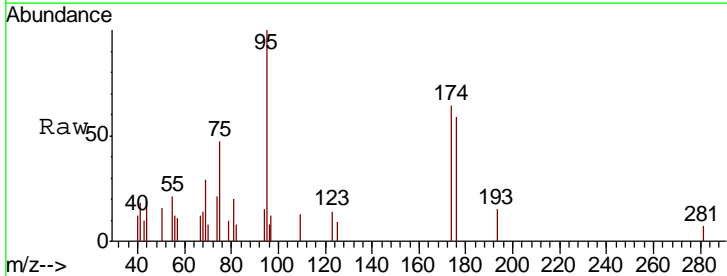
Instrument : MSVOA_W
 ClientSampleId : 0427-HR-7(HACKENSACK)

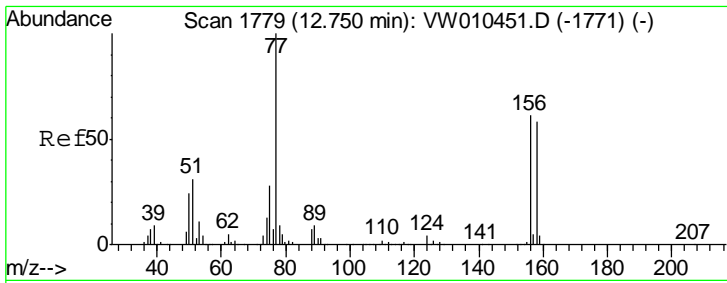
Tgt Ion	Resp	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	0.0	32.4	97.0#



#76
 1,2,3-Trichloropropane
 Concen: 112.962 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
75	100		
77	4.4	170.0	510.1#

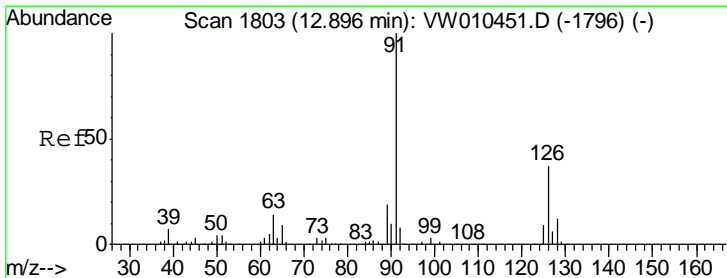
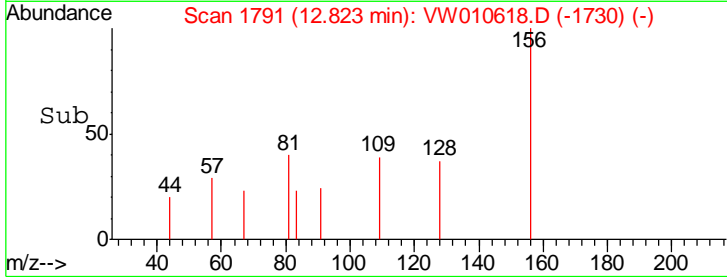
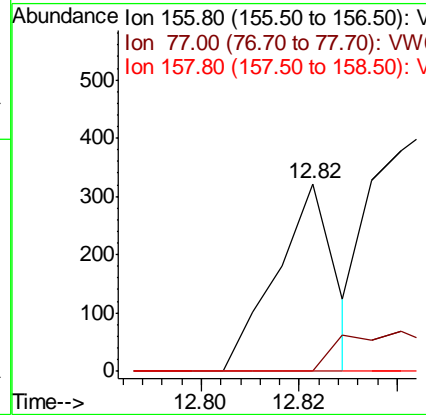
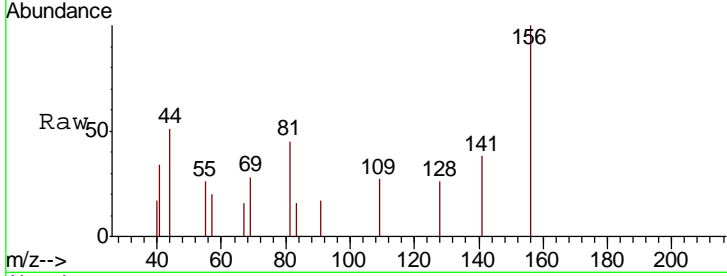




#77
 Bromobenzene
 Concen: 30.508 ug/l
 RT: 12.82 min Scan# 1791
 Delta R.T. 0.07 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

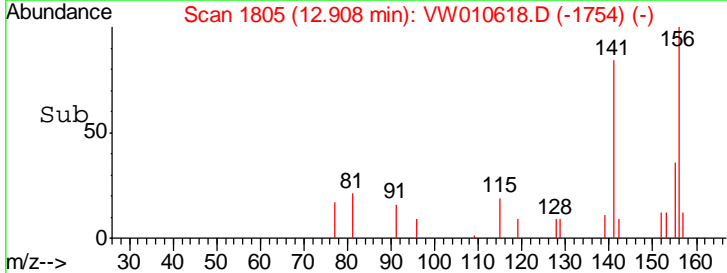
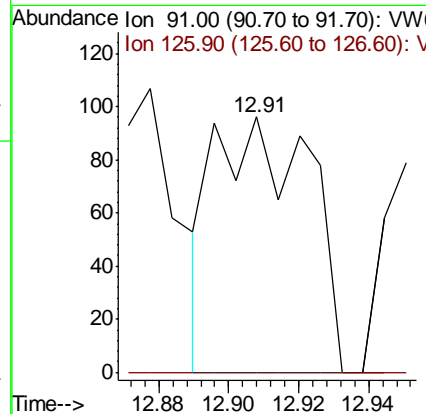
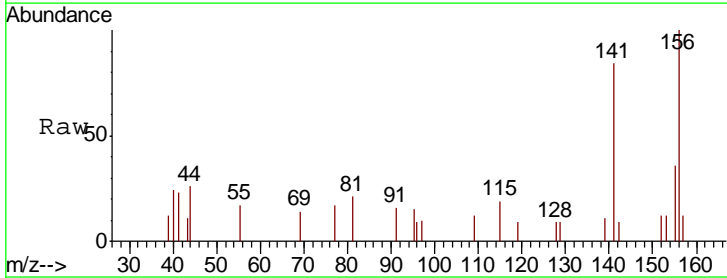
Instrument :
 MSVOA_W
 ClientSampled :
 0427-HR-7(HACKENSACK)

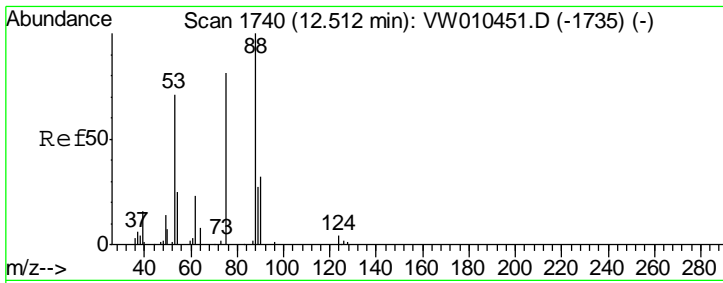
Tgt Ion	Resp	Lower	Upper
156	100		
77	0.0	92.4	277.2#
158	0.0	48.3	144.8#



#79
 2-Chlorotoluene
 Concen: 6.874 ug/l
 RT: 12.91 min Scan# 1805
 Delta R.T. 0.01 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
91	100		
126	0.0	17.4	52.3#

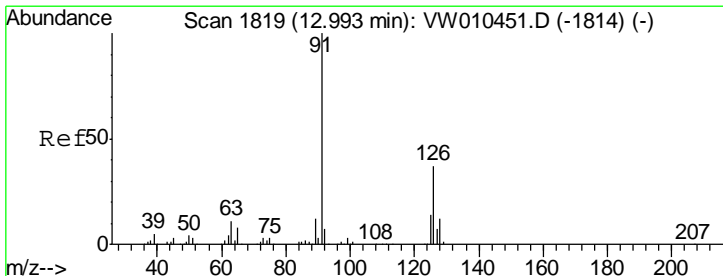
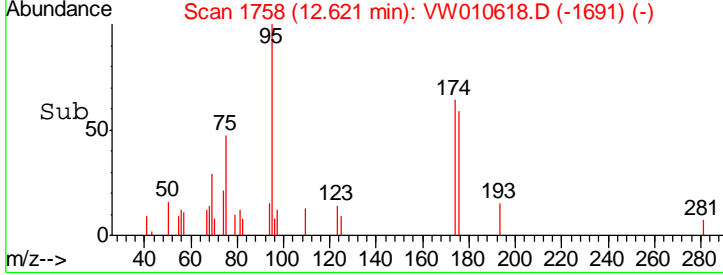
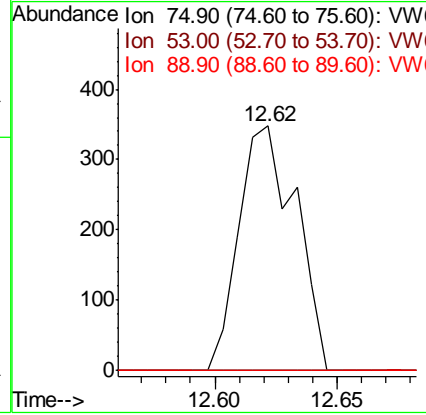
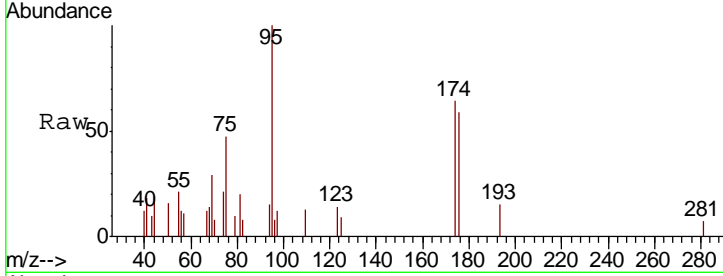




#81
 trans-1,4-Dichloro-2-butene
 Concen: 235.755 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

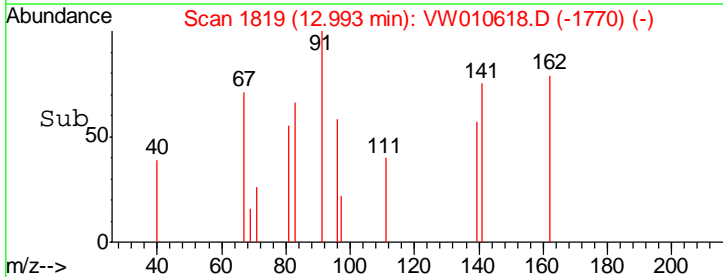
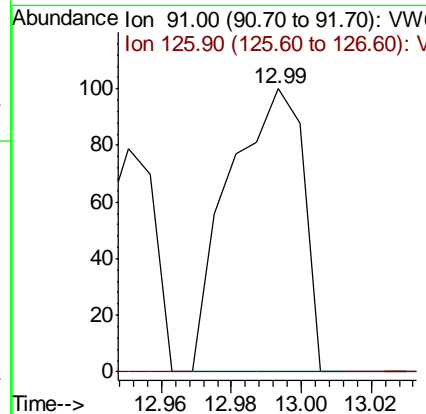
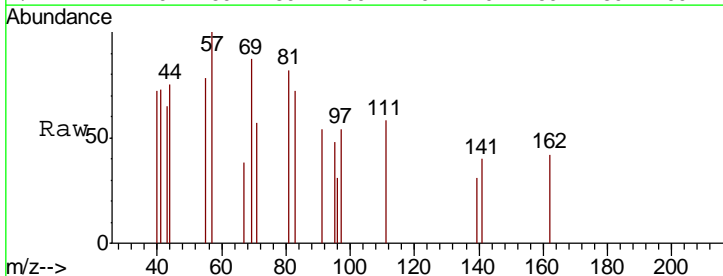
Instrument :
 MSVOA_W
 ClientSampleId :
 0427-HR-7(HACKENSACK)

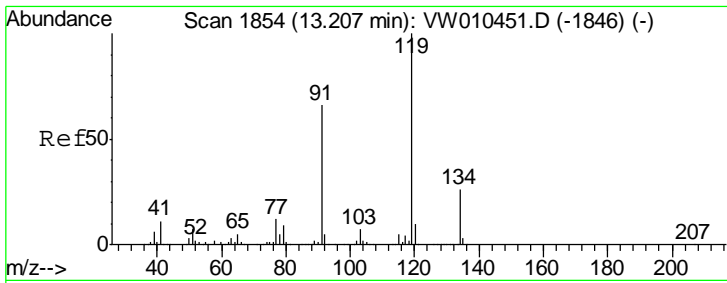
Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	69.8	104.8#
89	0.0	39.5	59.3#



#82
 4-Chlorotoluene
 Concen: 5.378 ug/l
 RT: 12.99 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
91	100		
126	0.0	17.5	52.6#

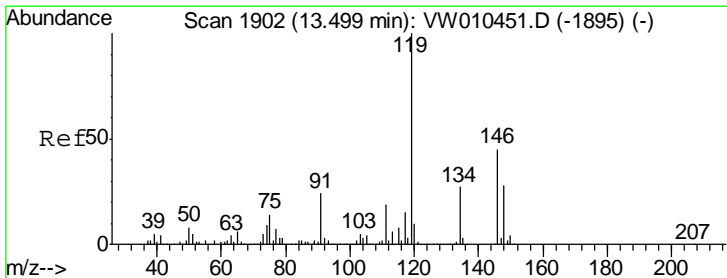
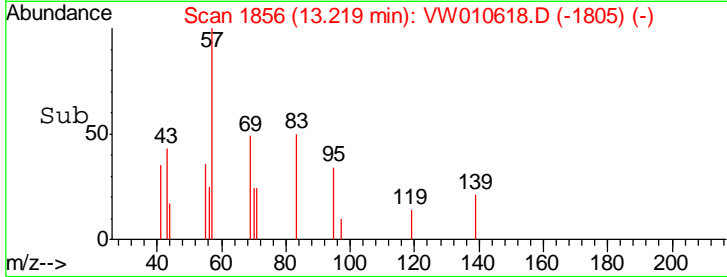
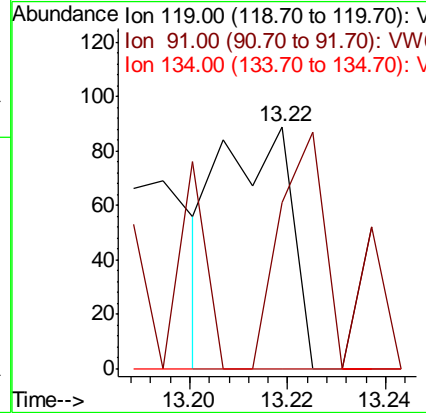
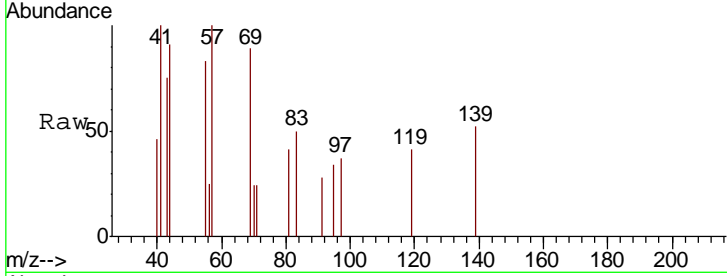




#83
 tert-Butylbenzene
 Concen: 3.053 ug/l
 RT: 13.22 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

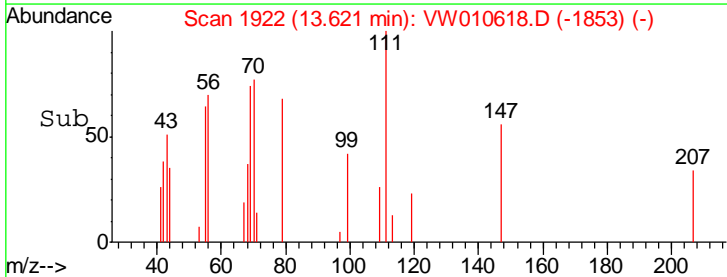
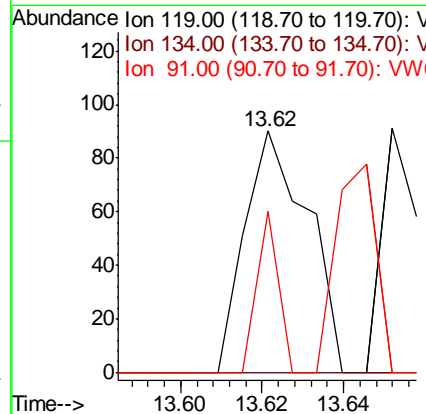
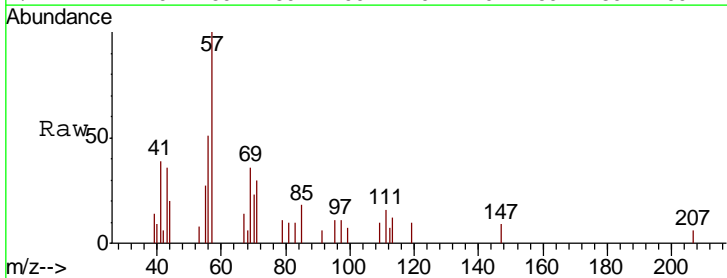
Instrument : MSVOA_W
 ClientSampled : 0427-HR-7(HACKENSACK)

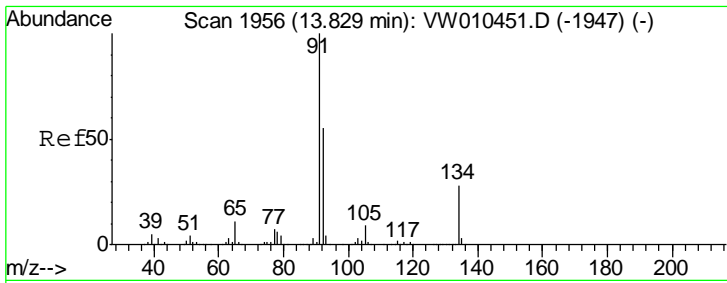
Tgt Ion	Resp	Lower	Upper
119	100		
91	83.0	33.1	99.5
134	0.0	13.9	41.6#



#86
 p-Isopropyltoluene
 Concen: 2.657 ug/l
 RT: 13.62 min Scan# 1922
 Delta R.T. 0.12 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
119	100		
134	0.0	13.6	40.7#
91	22.7	11.9	35.7

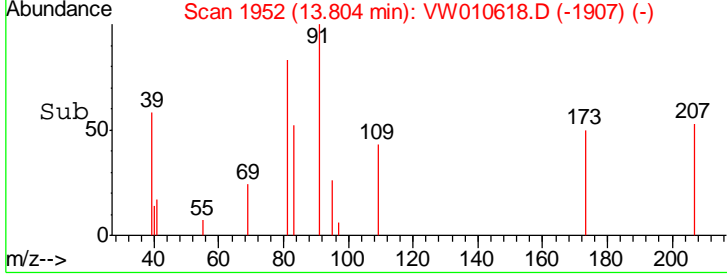
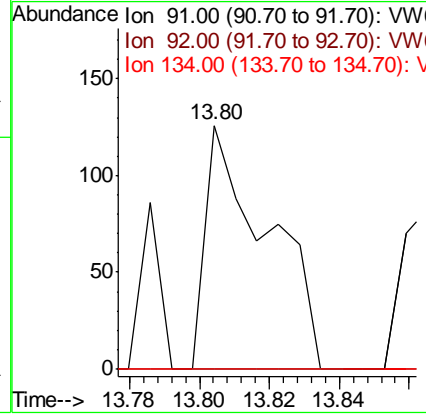
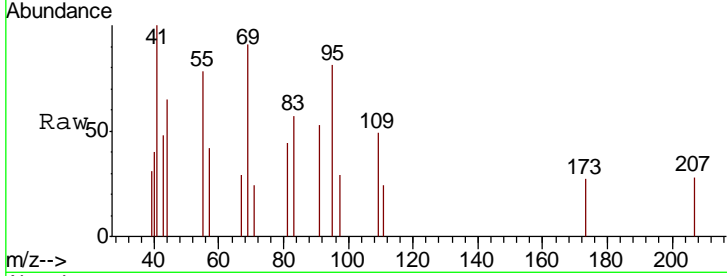




#89
 n-Butylbenzene
 Concen: 4.406 ug/l
 RT: 13.80 min Scan# 1952
 Delta R.T. -0.02 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

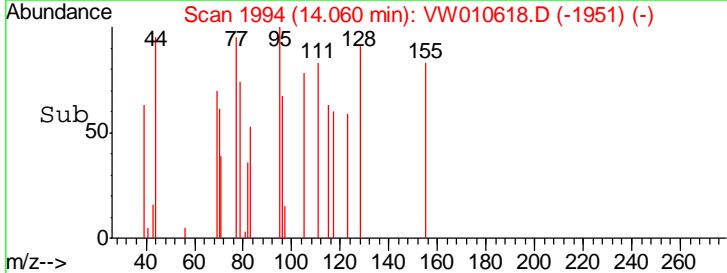
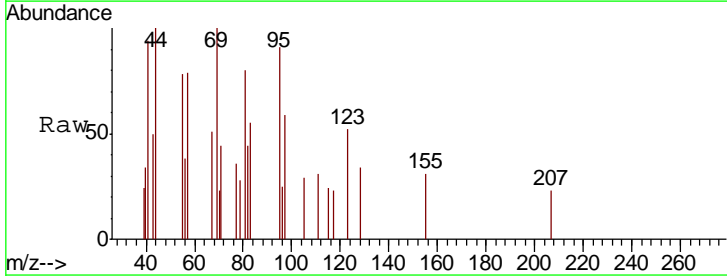
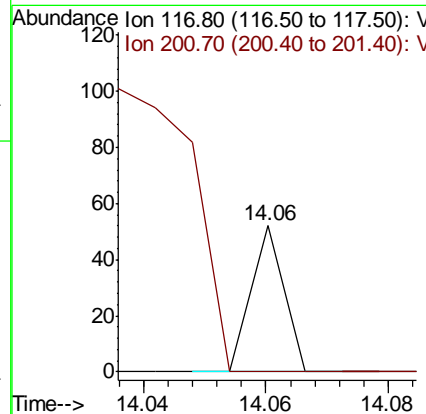
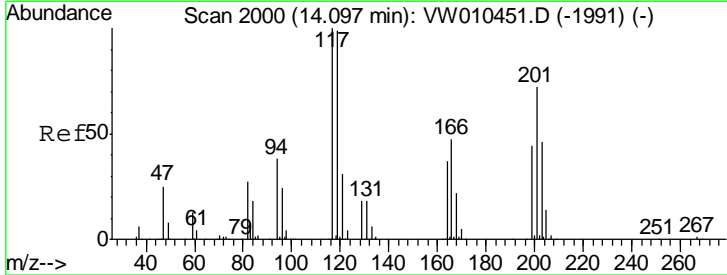
Instrument : MSVOA_W
 ClientSampled : 0427-HR-7(HACKENSACK)

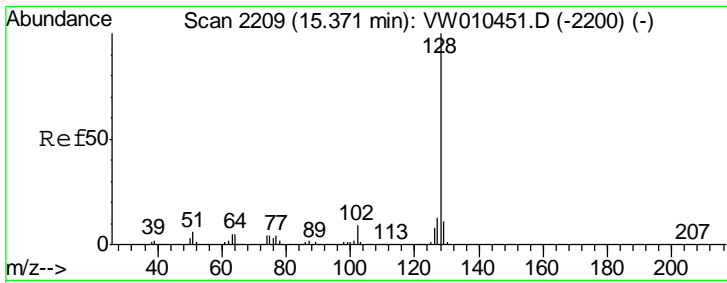
Tgt Ion	Resp	Lower	Upper
91	100		
92	0.0	27.7	83.1#
134	0.0	13.9	41.6#



#90
 Hexachloroethane
 Concen: 2.689 ug/l
 RT: 14.06 min Scan# 1994
 Delta R.T. -0.04 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Tgt Ion	Resp	Lower	Upper
117	100		
201	0.0	34.6	103.8#





#95
 Naphthalene
 Concen: 1.977 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW010618.D
 Acq: 30 May 2019 16:53

Instrument : MSVOA_W
 ClientSampled : 0427-HR-7(HACKENSACK)

Tot Ion	128	127	129
Resp:	44		
Ion Ratio	100	0.0	0.0
Lower		10.6	8.9
Upper		15.8#	13.3#

