

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010617.D
 Acq On : 30 May 2019 16:26
 Operator : SY/VA
 Sample : K3097-06
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0426-HR-6(HACKENSACK)

Quant Time: May 31 07:45:05 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	116162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	211452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	187638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89531	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	66056	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
35) Dibromofluoromethane	7.88	113	63187	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	10.32	98	257474	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.62	95	99456	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	

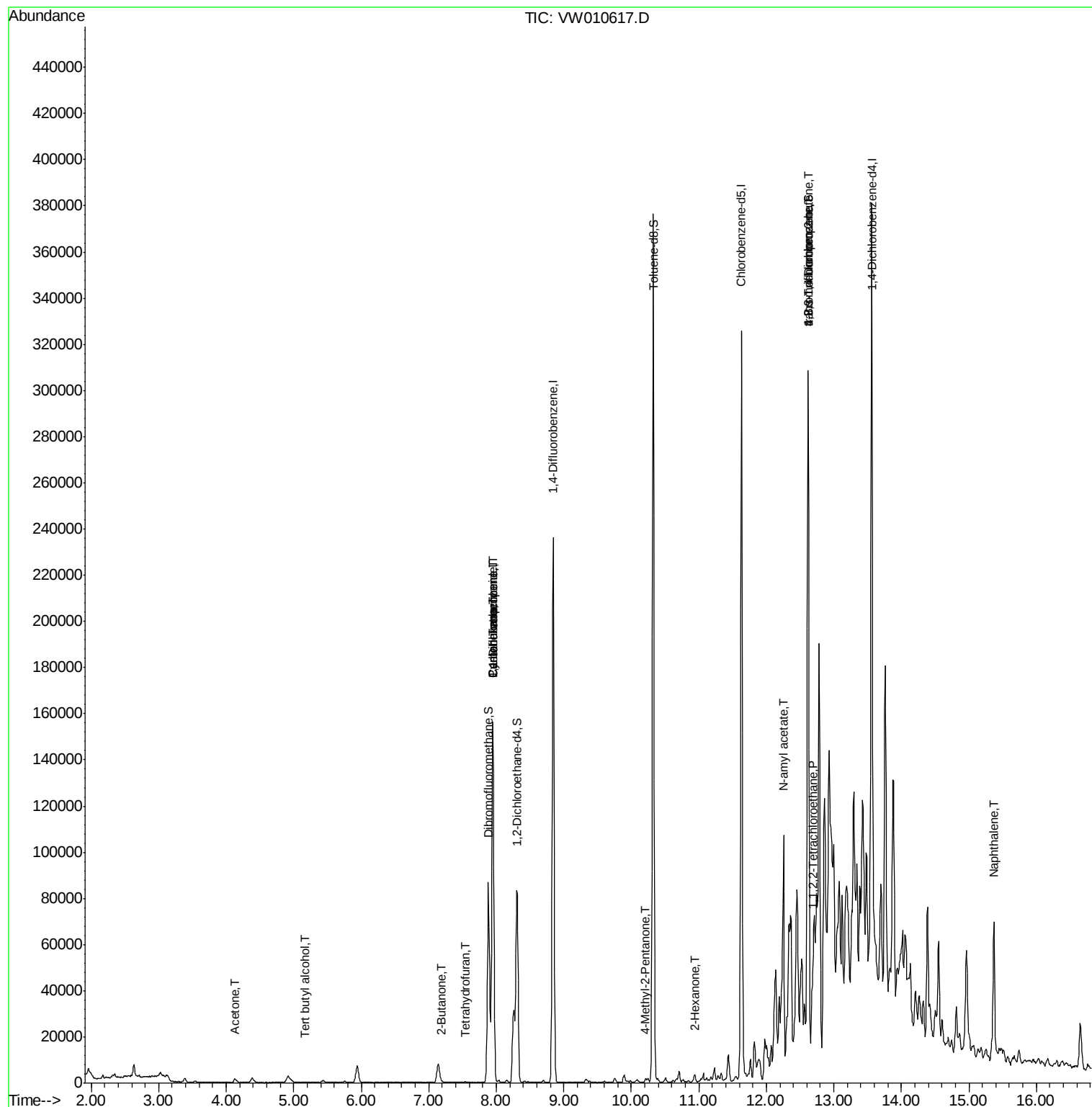
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	114	1.057	ug/l #	71
16) Acetone	4.14	43	2964	12.111	ug/l	90
20) Methylene Chloride	4.91	84	1956	Below Cal		86
25) 2-Butanone	7.19	43	769	2.196	ug/l #	45
29) Tetrahydrofuran	7.54	42	315	1.329	ug/l #	63
31) Cyclohexane	7.95	56	2418	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8601	4.366	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12213	5.748	ug/l #	14
51) 4-Methyl-2-Pentanone	10.21	43	1396	1.646	ug/l #	83
59) 2-Hexanone	10.93	43	1205	1.992	ug/l #	22
74) N-amyl acetate	12.25	43	22472	13.803	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.69	83	4205	3.254	ug/l #	80
76) 1,2,3-Trichloropropane	12.62	75	45991	50.607	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	45991	105.617	ug/l #	15
95) Naphthalene	15.37	128	52744	12.994	ug/l	99

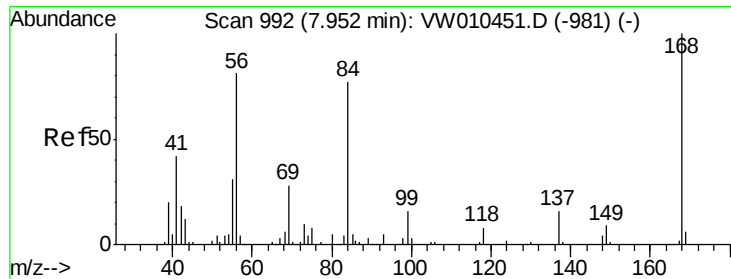
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010617.D

Acq: 30 May 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

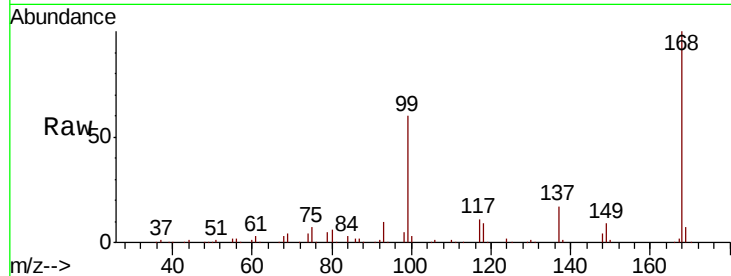
0426-HR-6(HACKENSACK)

Tot Ion:168 Resp: 116162

Ion Ratio Lower Upper

168 100

99 60.5 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

60000

50000

40000

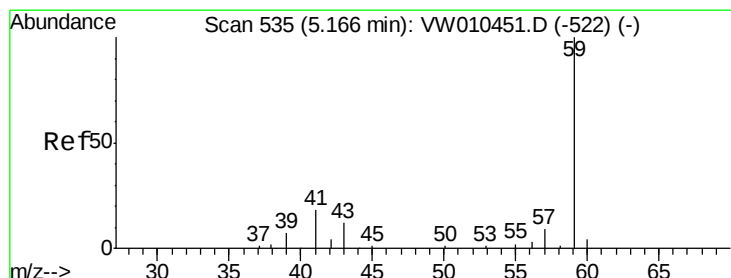
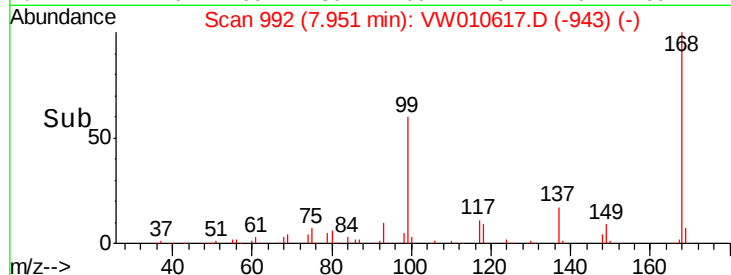
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.057 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW010617.D

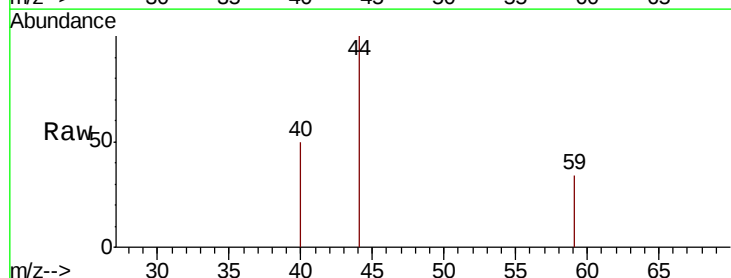
Acq: 30 May 2019 16:26

Tgt Ion: 59 Resp: 114

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

80

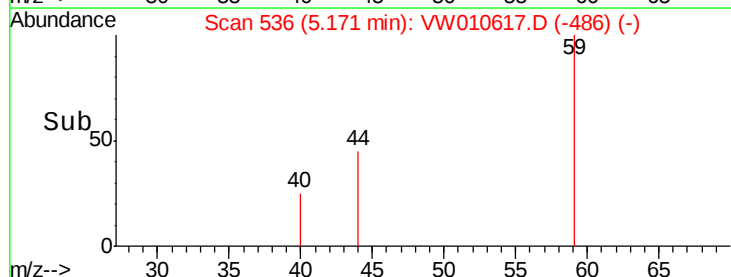
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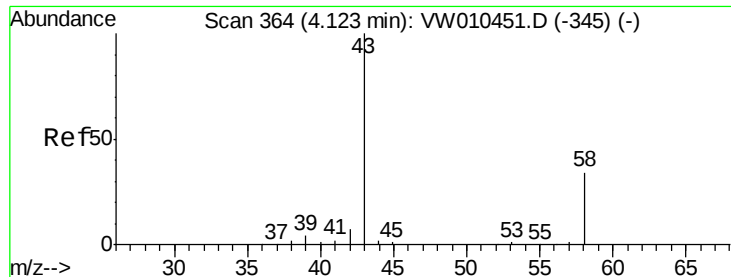
40

20

0

Time--> 5.12 5.14 5.16 5.18 5.20

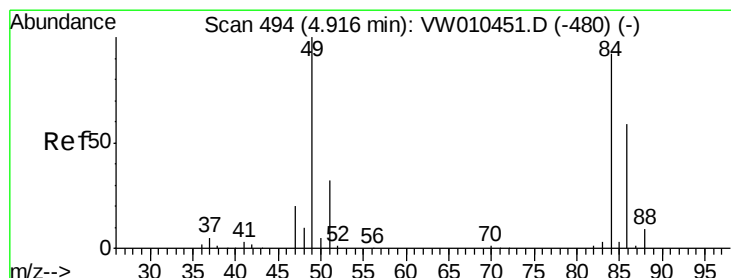
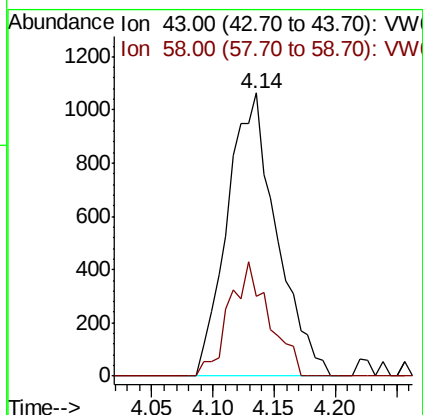
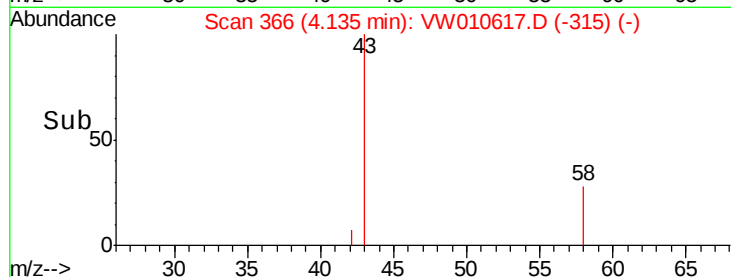
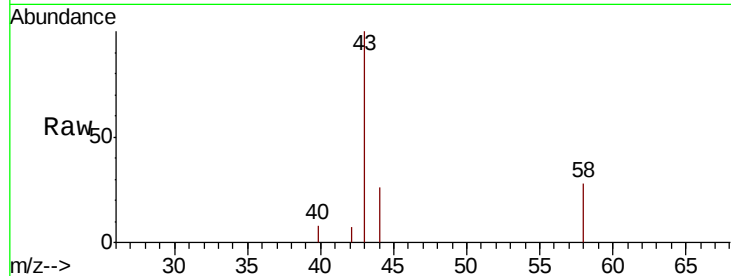




#16
Acetone
Concen: 12.111 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

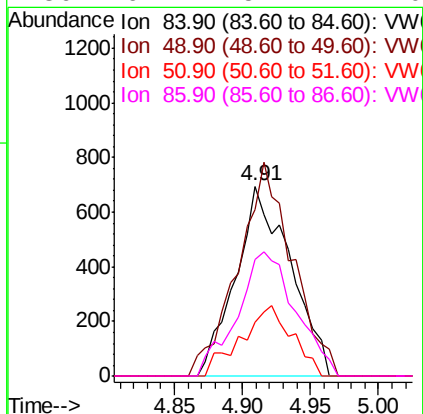
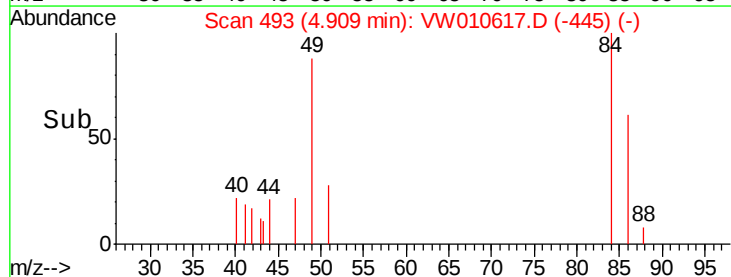
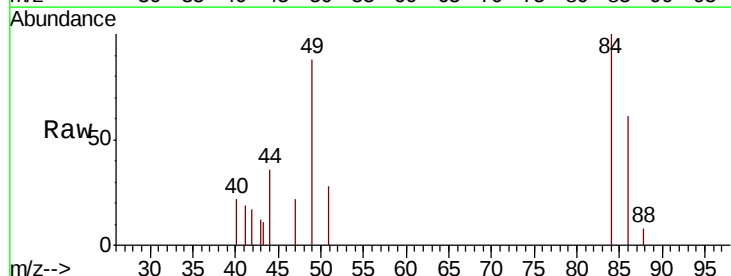
Instrument :
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0426-HR-6(HACKENSACK)

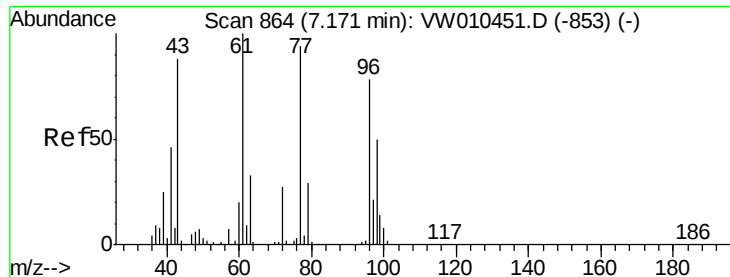
Tot Ion: 43 Resp: 2964
Ion Ratio Lower Upper
43 100
58 28.0 27.0 40.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

Tgt Ion: 84 Resp: 1956
Ion Ratio Lower Upper
84 100
49 87.8 87.2 130.8
51 28.1 27.7 41.5
86 61.2 51.4 77.0





#25

2-Butanone

Concen: 2.196 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW010617.D

Acq: 30 May 2019 16:26

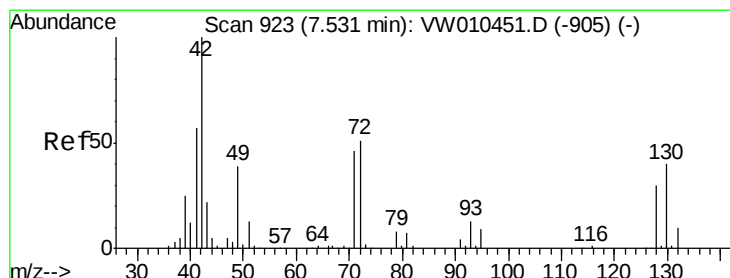
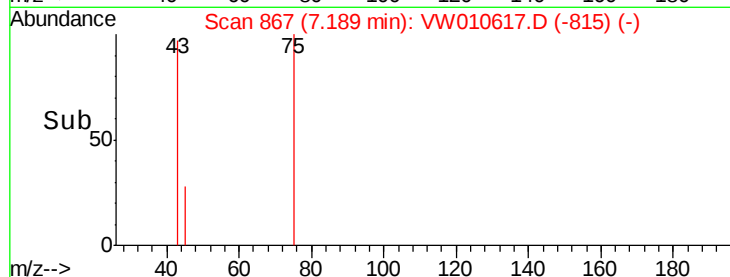
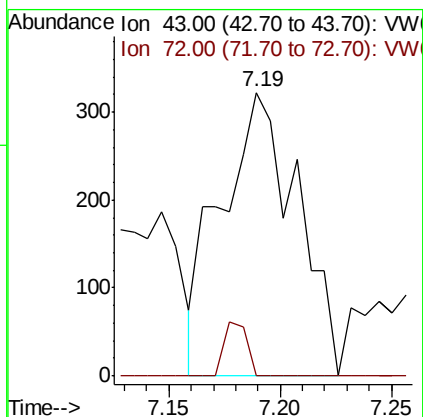
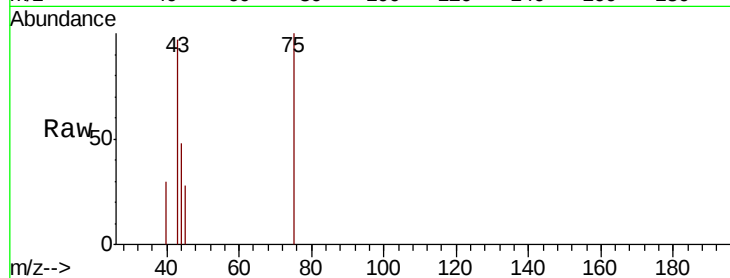
Instrument :
MSVOA_W
ClientSampleId :
0426-HR-6(HACKENSACK)

Tot Ion: 43 Resp: 769

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#29

Tetrahydrofuran

Concen: 1.329 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010617.D

Acq: 30 May 2019 16:26

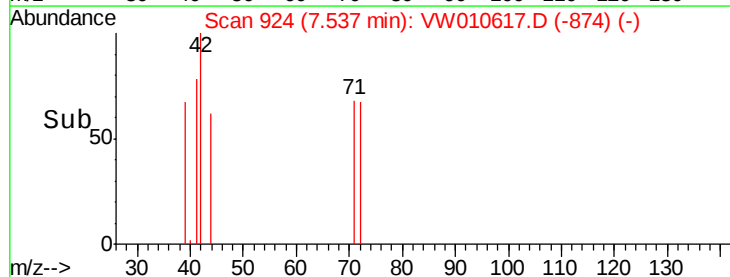
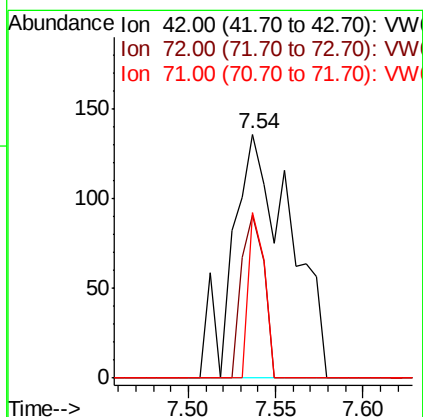
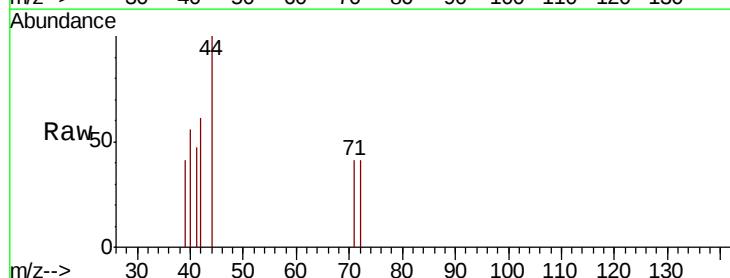
Tgt Ion: 42 Resp: 315

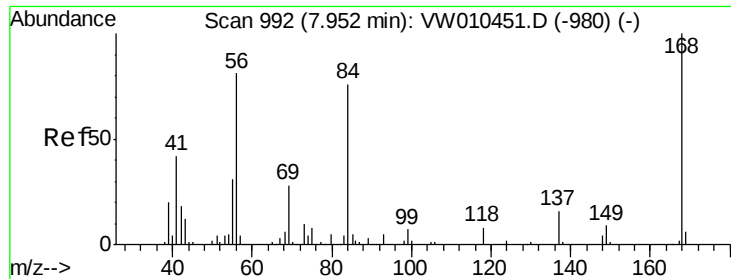
Ion Ratio Lower Upper

42 100

72 26.0 38.5 57.7#

71 18.4 36.5 54.7#

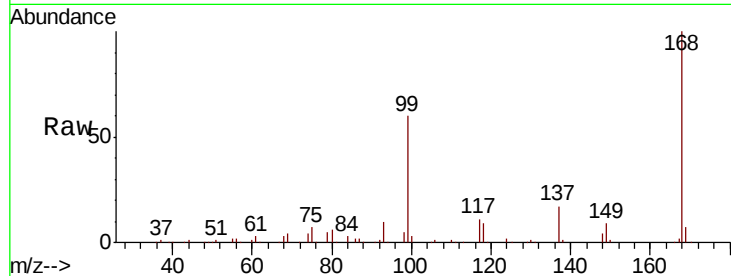




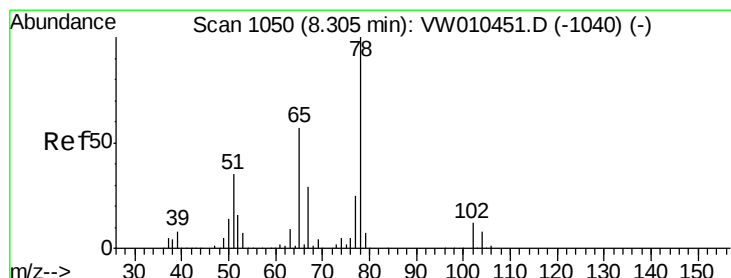
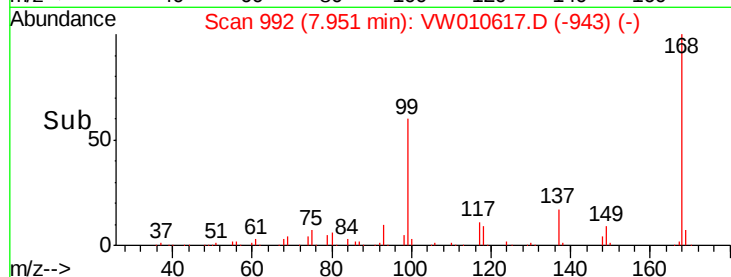
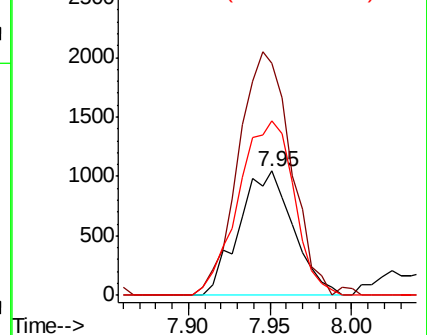
#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
0426-HR-6(HACKENSACK)

Tot Ion: 56 Resp: 2418
Ion Ratio Lower Upper
56 100
69 186.4 28.2 42.2#
84 140.2 75.8 113.8#

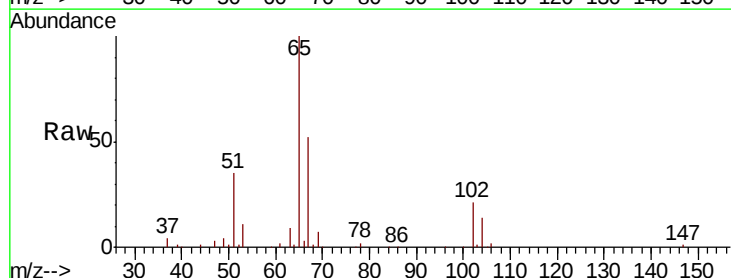


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

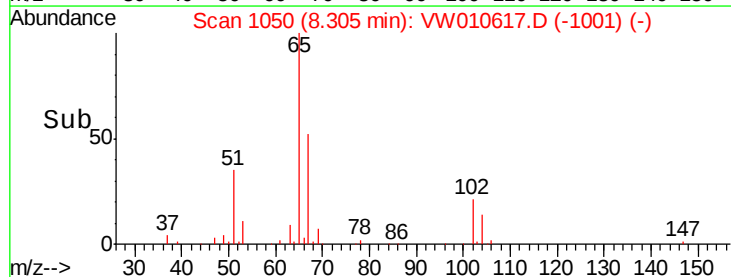
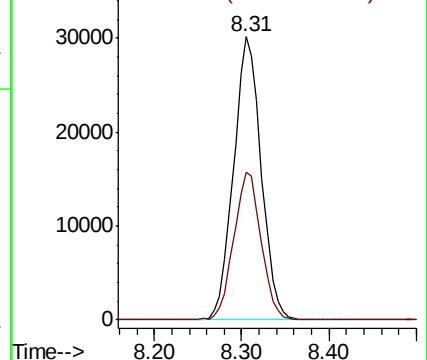


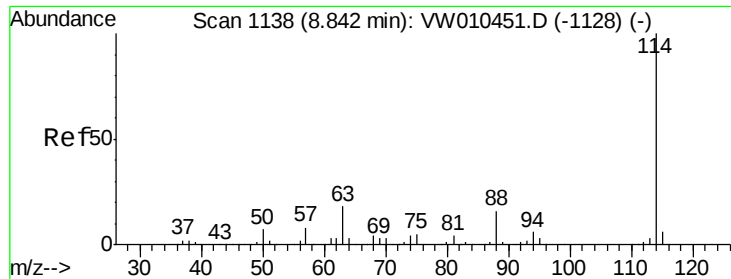
#33
1,2-Dichloroethane-d4
Concen: 55.093 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

Tgt Ion: 65 Resp: 66056
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.6



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

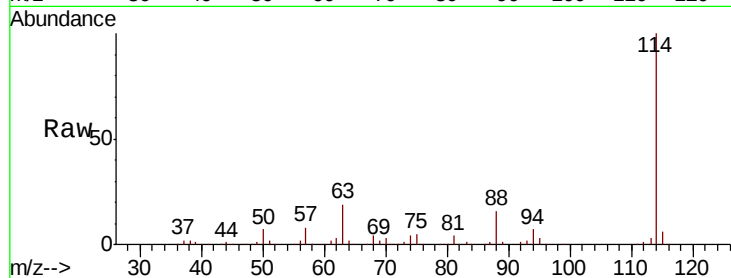




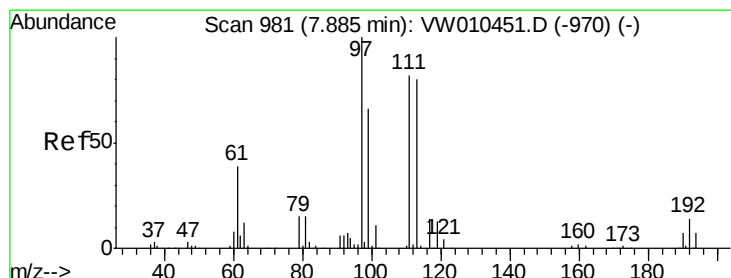
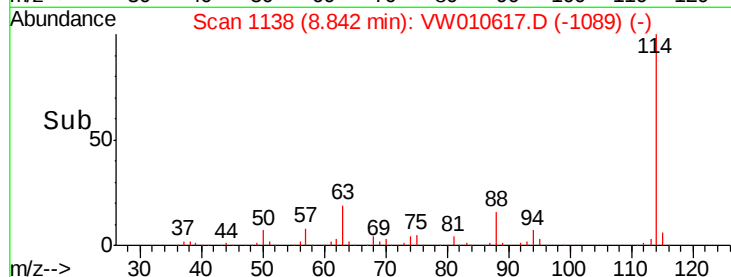
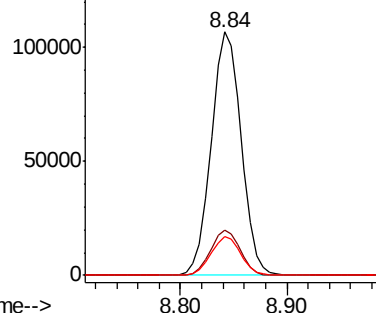
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010617.D
 Acq: 30 May 2019 16:26

Instrument :
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 ClientSampleId :
 0426-HR-6(HACKENSACK)

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	36.0
88	15.7	0.0	32.0

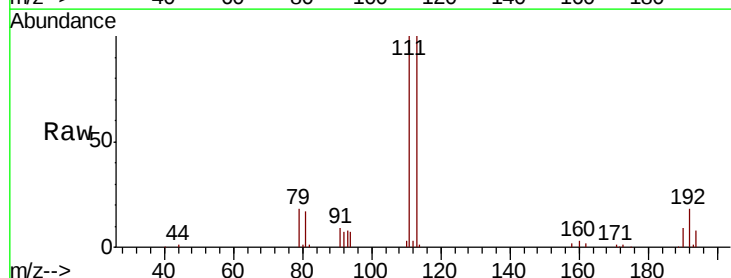


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

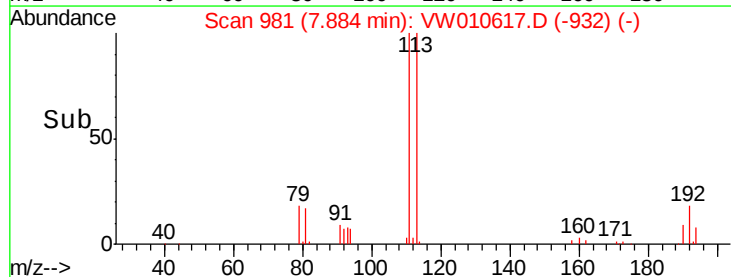
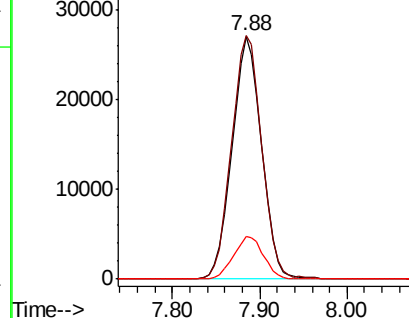


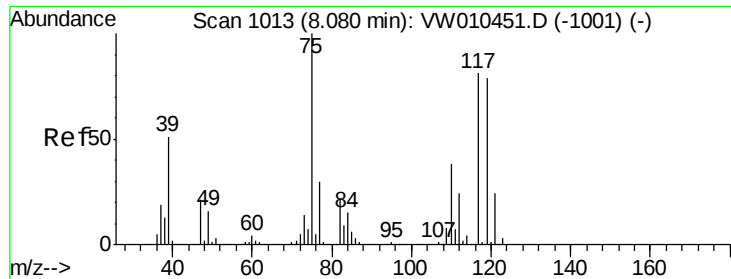
#35
 Dibromofluoromethane
 Concen: 49.248 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010617.D
 Acq: 30 May 2019 16:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	17.9	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

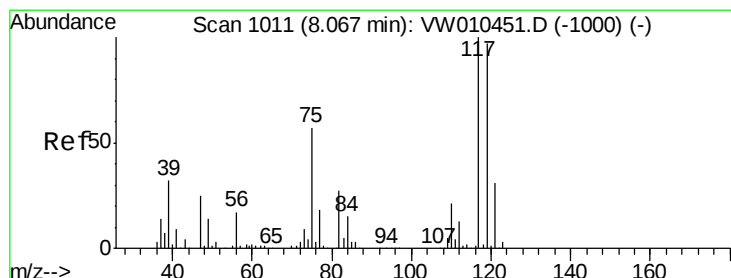
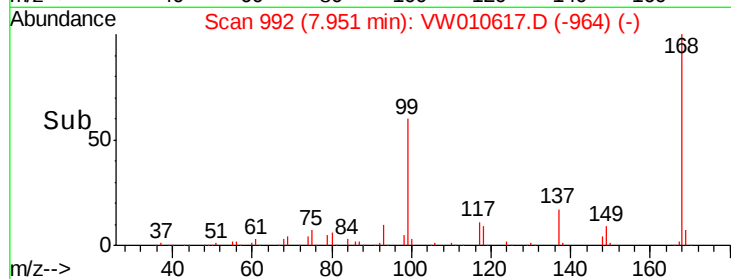
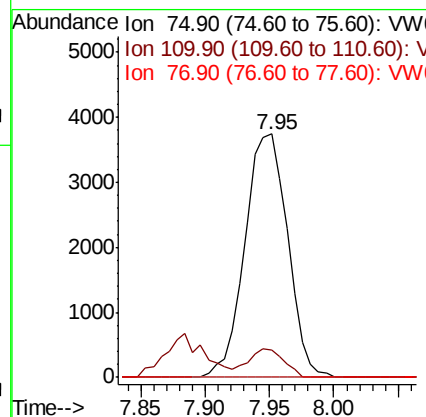
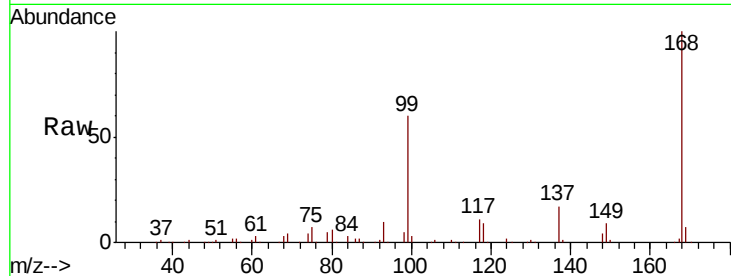




#36
 1,1-Dichloropropene
 Concen: 4.366 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010617.D
 Acq: 30 May 2019 16:26

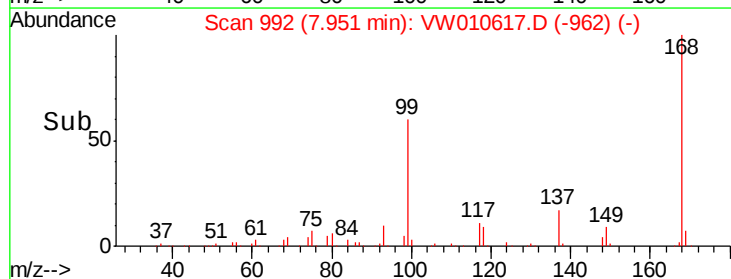
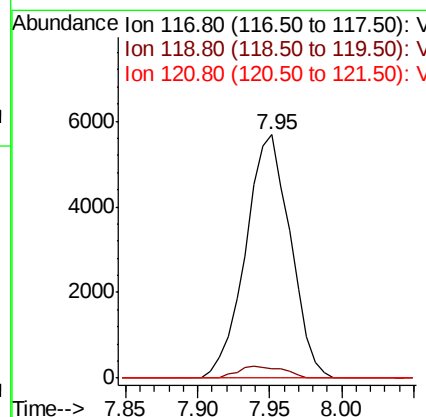
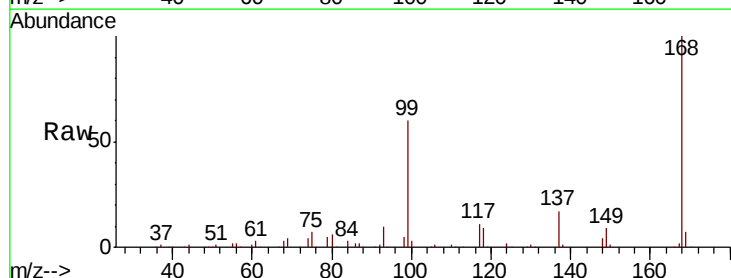
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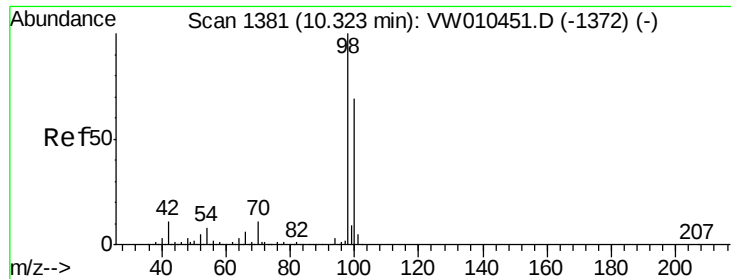
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.2	57.6#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.748 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010617.D
 Acq: 30 May 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	77.4	116.0#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 52.529 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010617.D

Acq: 30 May 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

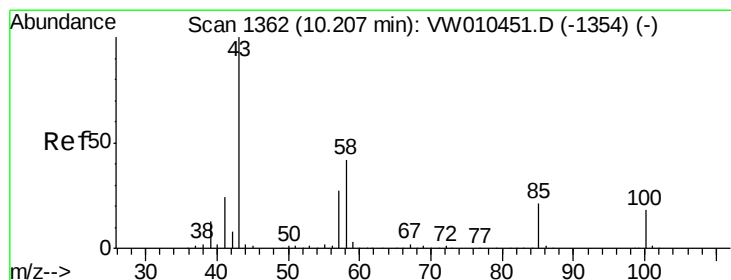
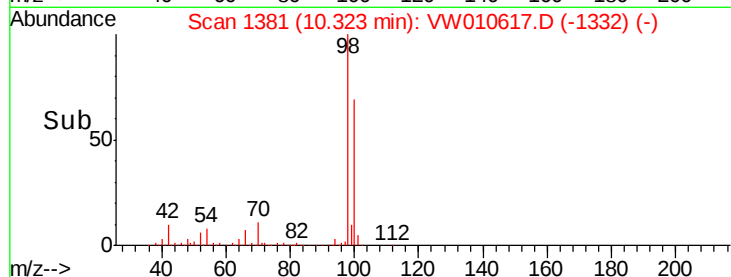
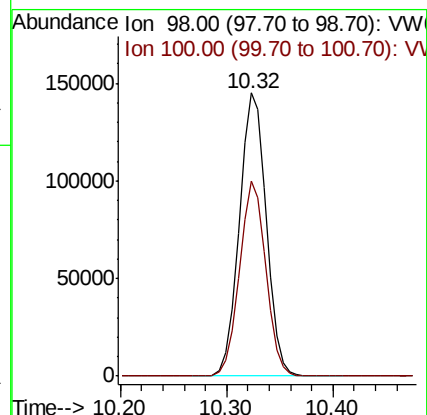
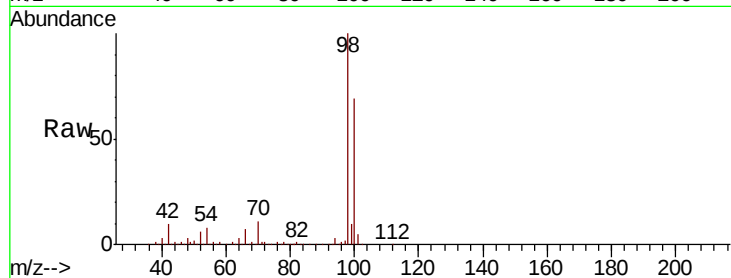
0426-HR-6(HACKENSACK)

Tot Ion: 98 Resp: 257474

Ion Ratio Lower Upper

98 100

100 67.4 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 1.646 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010617.D

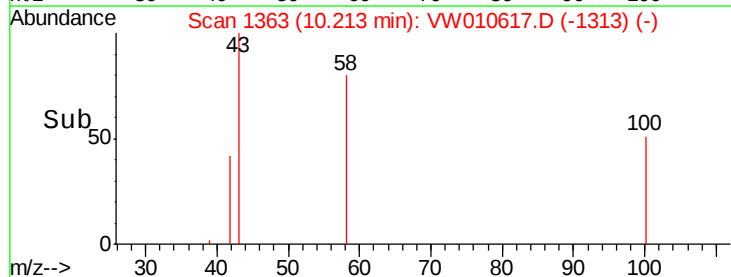
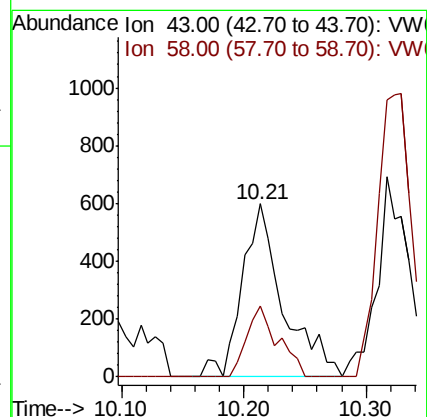
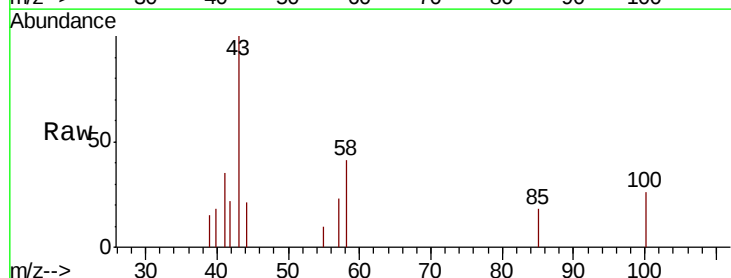
Acq: 30 May 2019 16:26

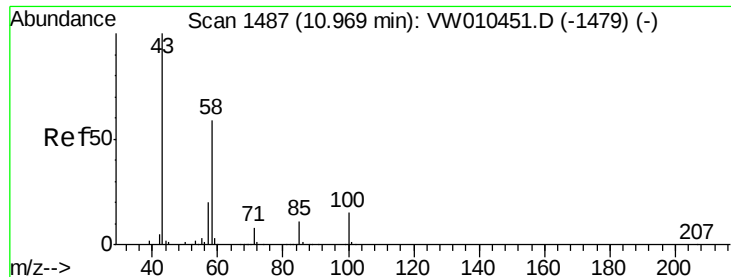
Tgt Ion: 43 Resp: 1396

Ion Ratio Lower Upper

43 100

58 31.1 33.2 49.8#

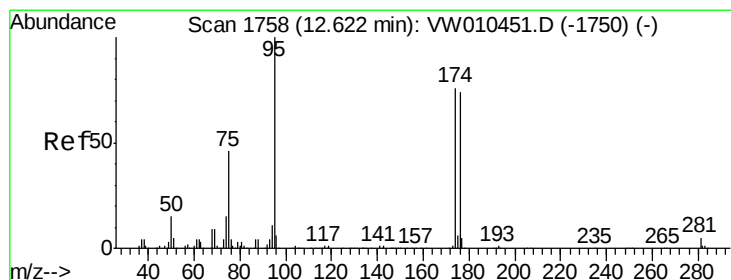
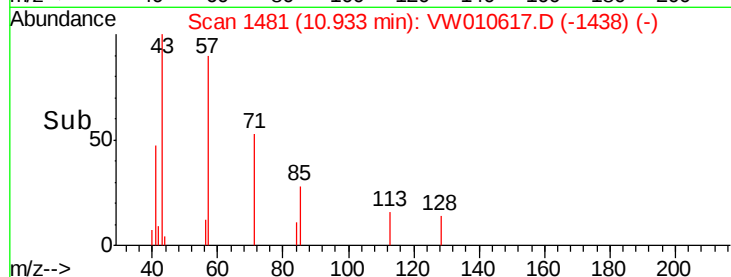
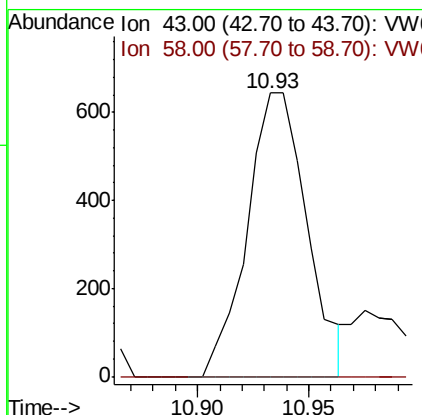
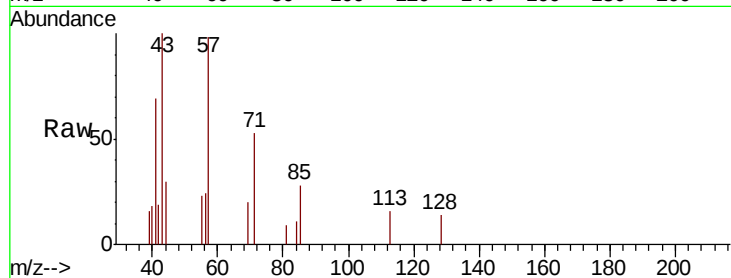




#59
2-Hexanone
Concen: 1.992 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

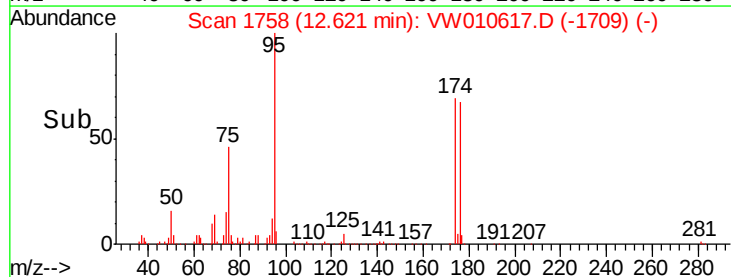
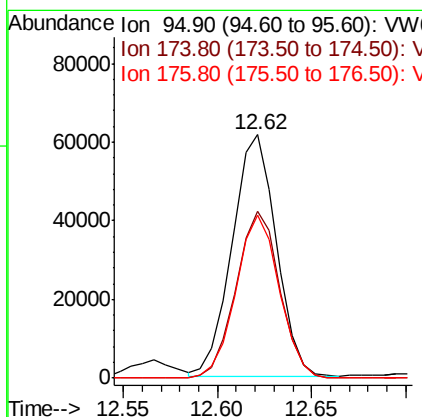
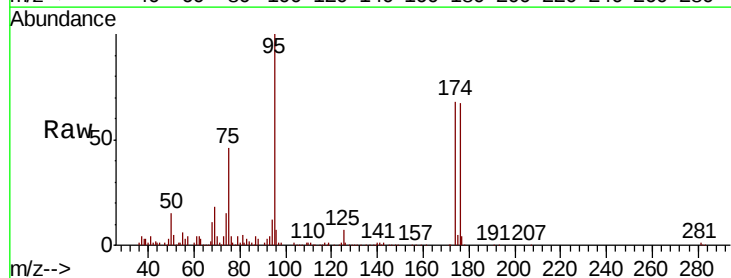
Instrument :
MSVOA_W
ClientSampleId :
0426-HR-6(HACKENSACK)

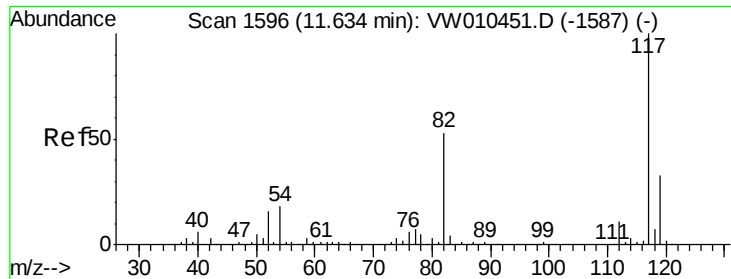
Tot Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
58 0.0 28.9 86.8#



#62
4-Bromofluorobenzene
Concen: 50.941 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

Tgt Ion: 95 Resp: 99456
Ion Ratio Lower Upper
95 100
174 68.4 0.0 148.6
176 66.3 0.0 144.2

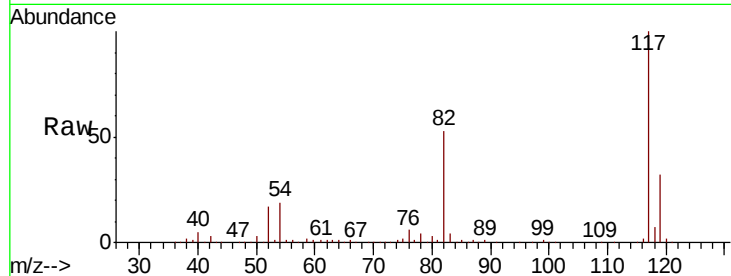




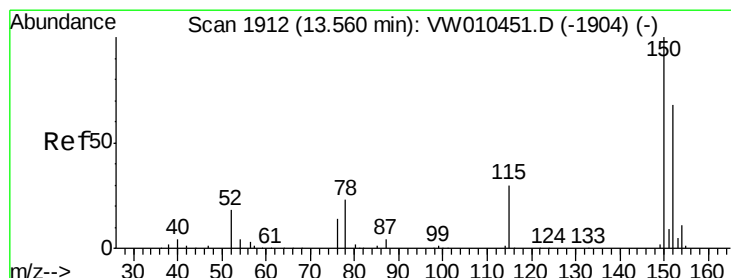
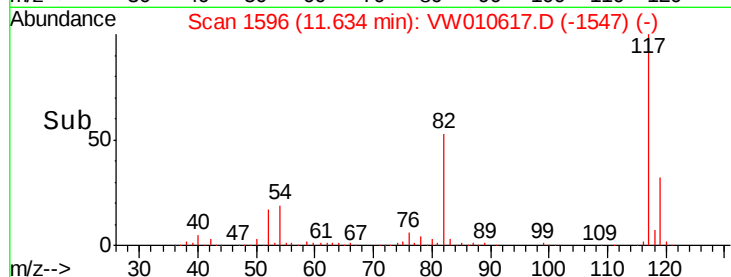
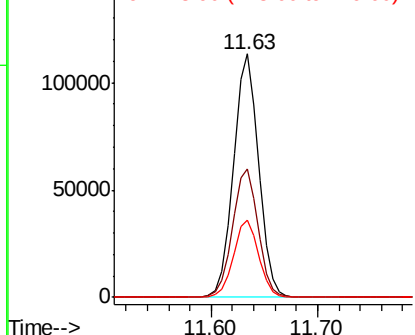
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
0426-HR-6(HACKENSACK)

Tot Ion:117 Resp: 187638
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 31.6 26.3 39.5

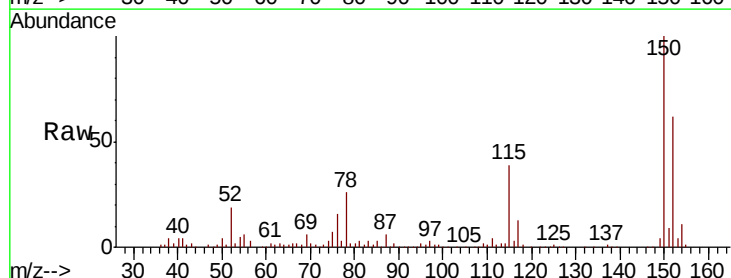


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

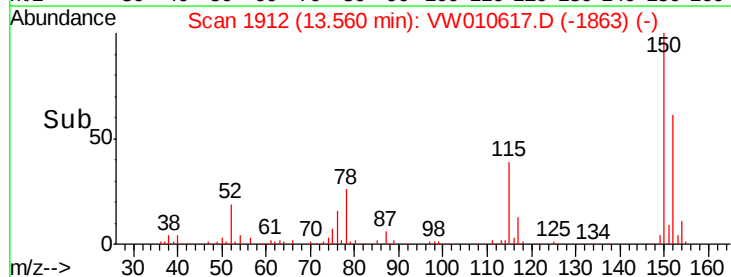
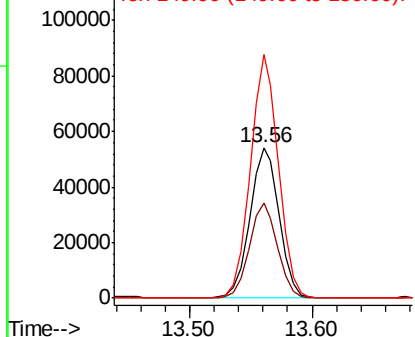


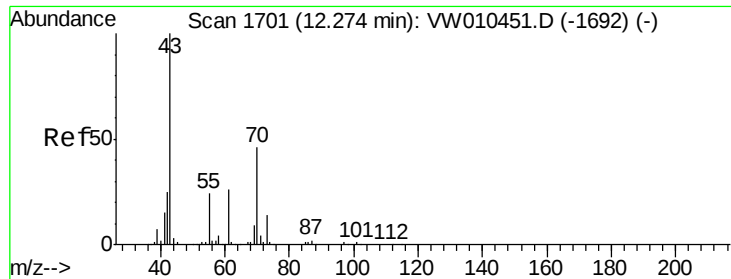
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

Tgt Ion:152 Resp: 89531
Ion Ratio Lower Upper
152 100
115 60.7 30.3 91.0
150 155.4 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





#74

N-amvl acetate

Concen: 13.803 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW010617.D

Acq: 30 May 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

0426-HR-6(HACKENSACK)

Tot Ion: 43 Resp: 22472

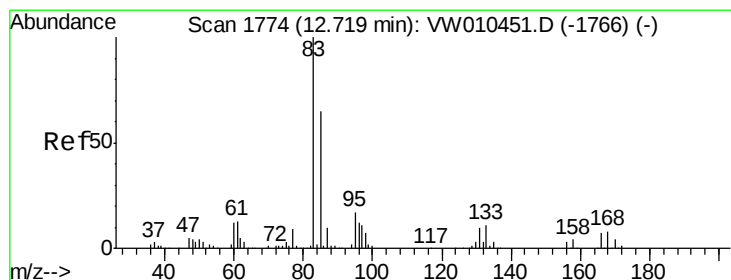
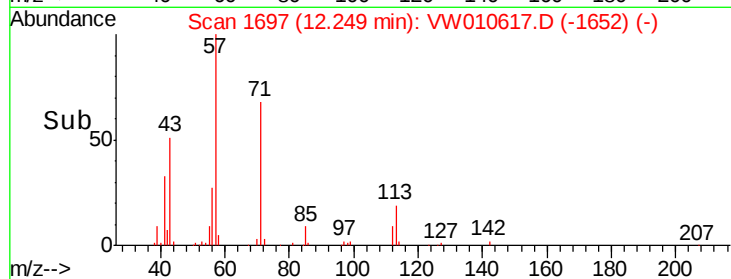
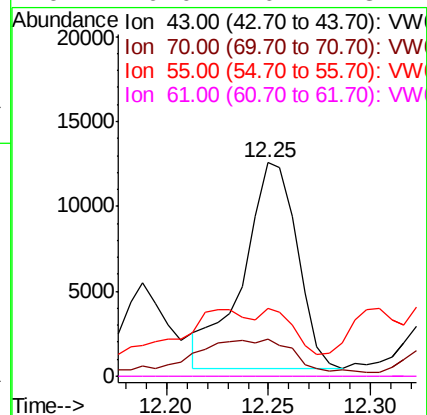
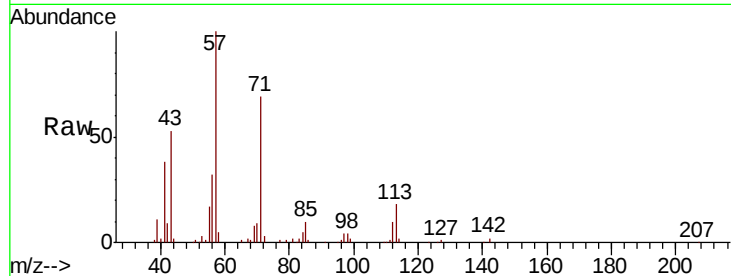
Ion Ratio Lower Upper

43 100

70 27.3 37.1 55.7#

55 27.2 19.6 29.4

61 0.0 20.7 31.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 3.254 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.03 min

Lab File: VW010617.D

Acq: 30 May 2019 16:26

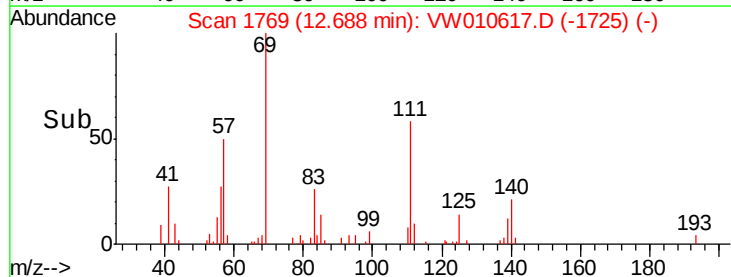
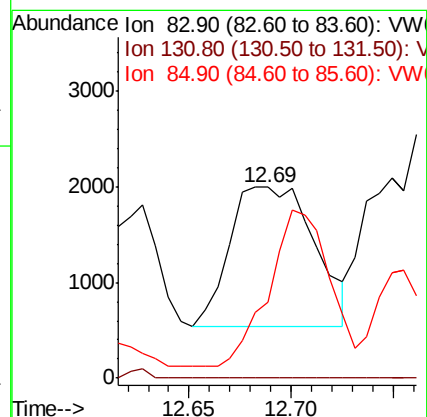
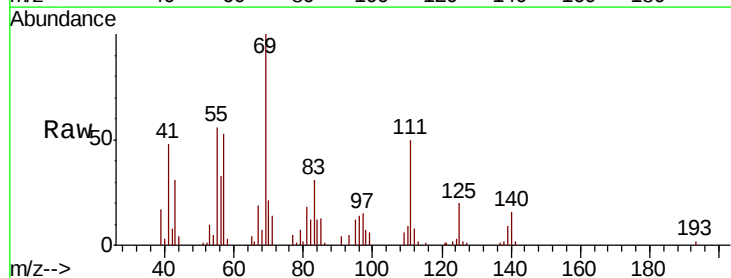
Tgt Ion: 83 Resp: 4205

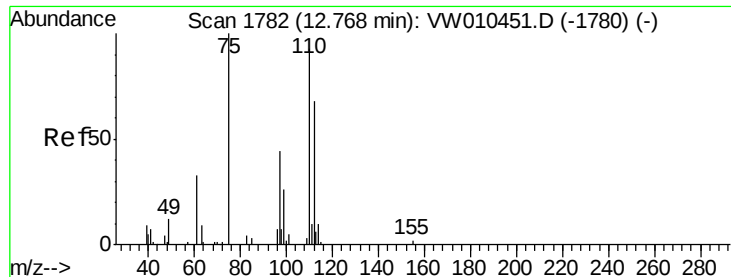
Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

85 78.9 32.4 97.0





#76

1,2,3-Trichloropropane

Concen: 50.607 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010617.D

Acq: 30 May 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

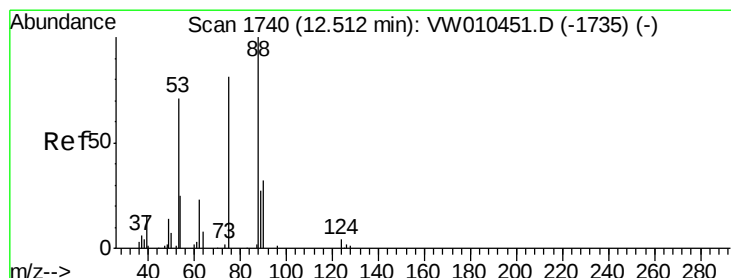
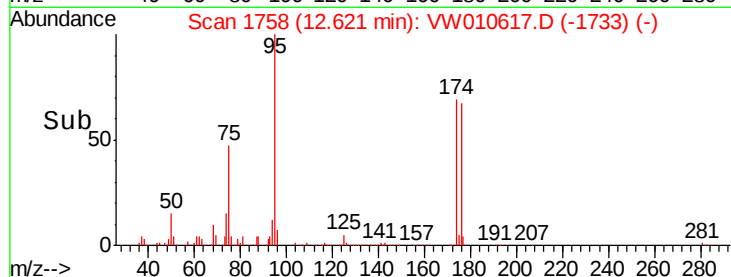
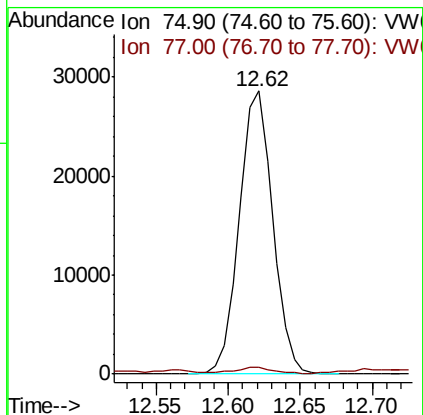
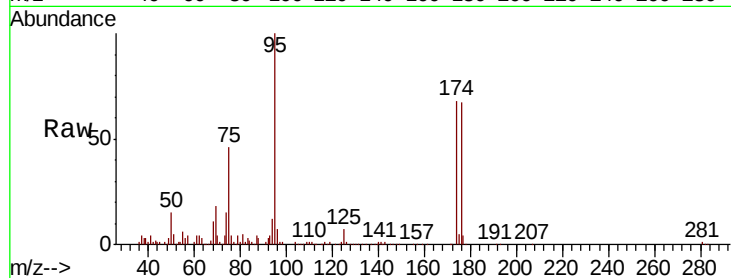
0426-HR-6(HACKENSACK)

Tot Ion: 75 Resp: 45991

Ion Ratio Lower Upper

75 100

77 2.2 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.617 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010617.D

Acq: 30 May 2019 16:26

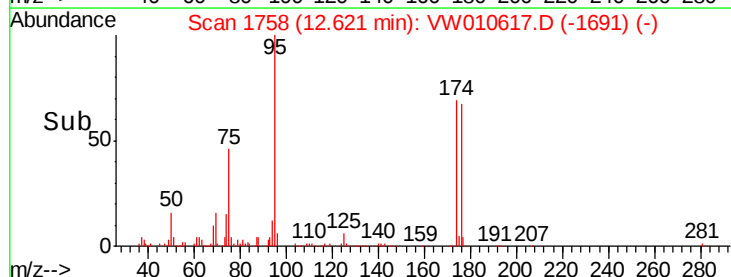
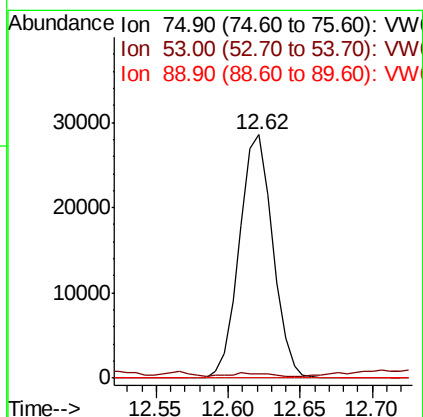
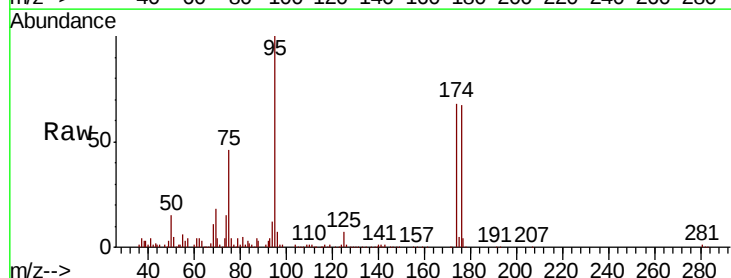
Tgt Ion: 75 Resp: 45991

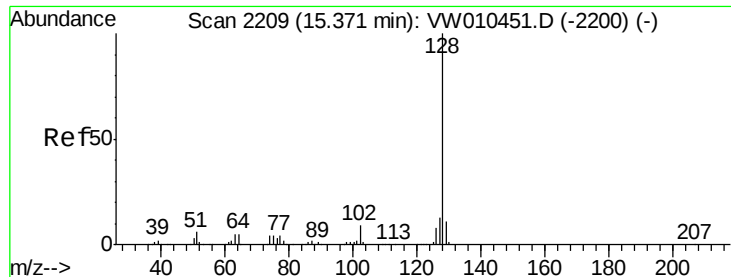
Ion Ratio Lower Upper

75 100

53 2.2 69.8 104.8#

89 0.0 39.5 59.3#

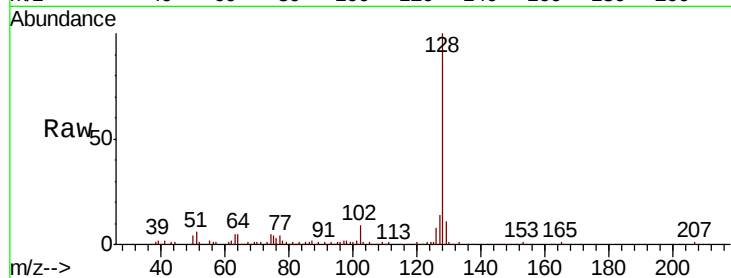




#95
Naphthalene
Concen: 12.994 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010617.D
Acq: 30 May 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
0426-HR-6(HACKENSACK)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.1	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

