

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010624.D
 Acq On : 30 May 2019 19:38
 Operator : SY/VA
 Sample : K3097-13
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0433-HR-13(HACKENSACK)

Quant Time: May 31 07:46:29 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

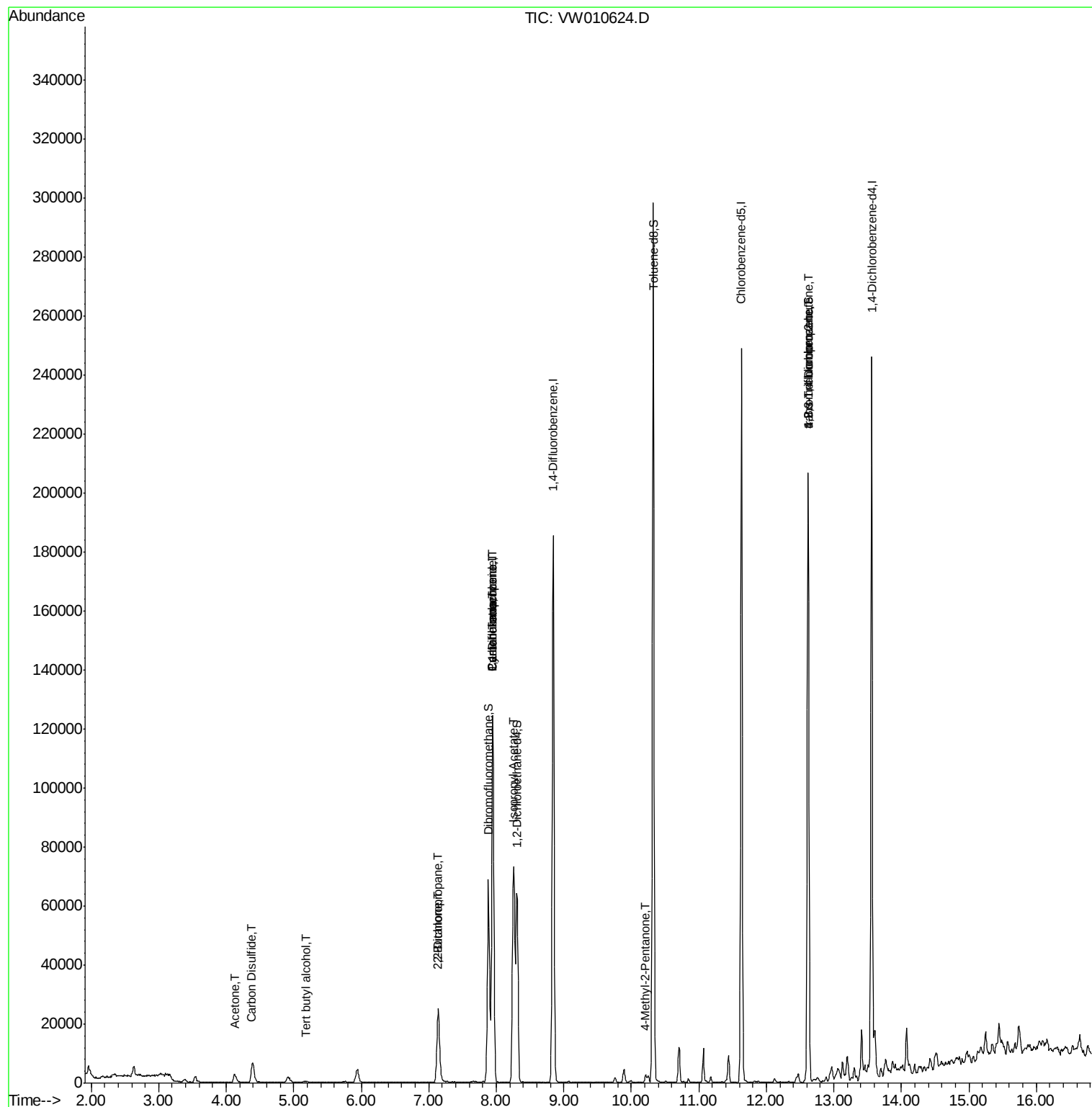
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	93164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	166235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63399	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	51416	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
35) Dibromofluoromethane	7.88	113	49561	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.32	98	203369	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.62	95	73637	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	220	Below Cal	#	42
11) Tert butyl alcohol	5.17	59	393	4.544	ug/l #	71
16) Acetone	4.13	43	5603	28.545	ug/l	89
17) Carbon Disulfide	4.37	76	2976	1.014	ug/l #	92
20) Methylene Chloride	4.92	84	1342	Below Cal	#	91
25) 2-Butanone	7.14	43	1857	6.611	ug/l #	87
26) 2,2-Dichloropropane	7.13	77	1805	1.087	ug/l #	52
31) Cyclohexane	7.95	56	1892	1.036	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	7428	4.797	ug/l #	49
38) Carbon Tetrachloride	7.95	117	9744	5.833	ug/l #	15
43) Isopropyl Acetate	8.26	43	1418	1.078	ug/l #	10
51) 4-Methyl-2-Pentanone	10.21	43	2099	3.149	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	35114	54.564	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	35114	113.876	ug/l #	14

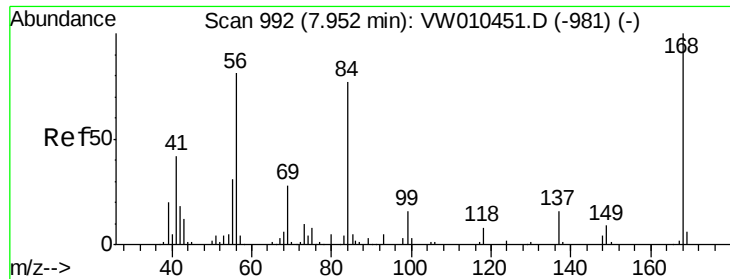
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW010624.D

Acq: 30 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

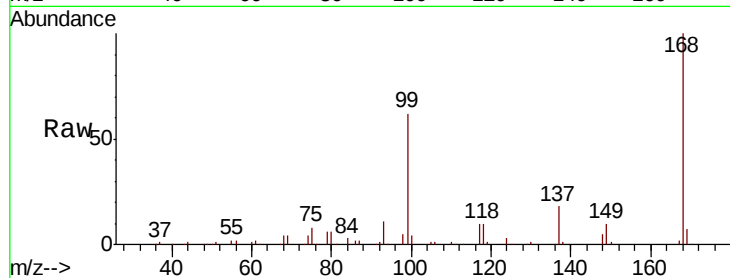
0433-HR-13(HACKENSACK)

Tot Ion:168 Resp: 93164

Ion Ratio Lower Upper

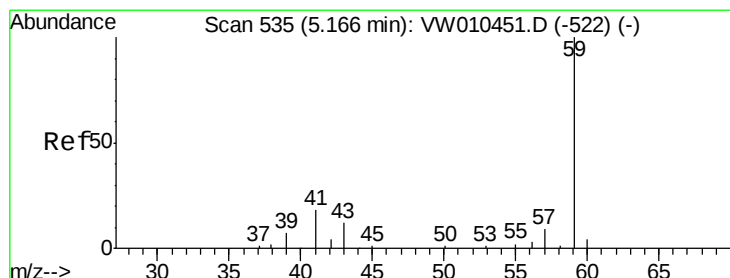
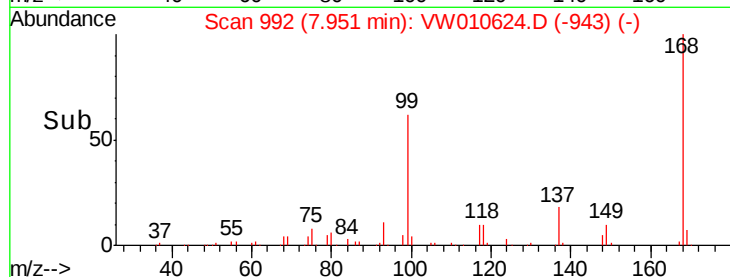
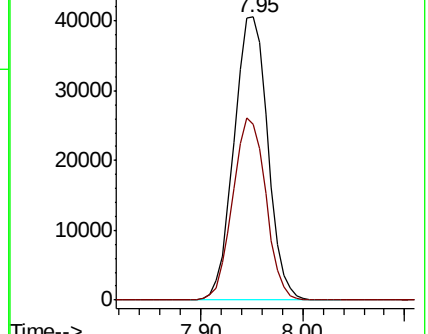
168 100

99 62.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.544 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW010624.D

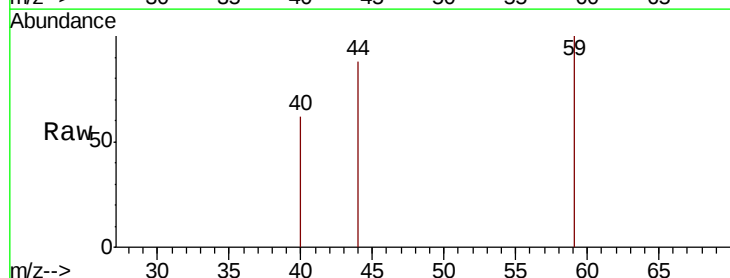
Acq: 30 May 2019 19:38

Tgt Ion: 59 Resp: 393

Ion Ratio Lower Upper

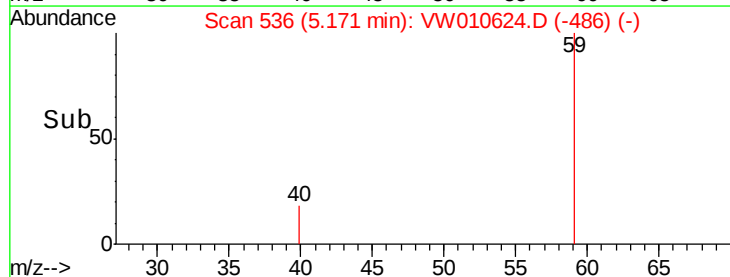
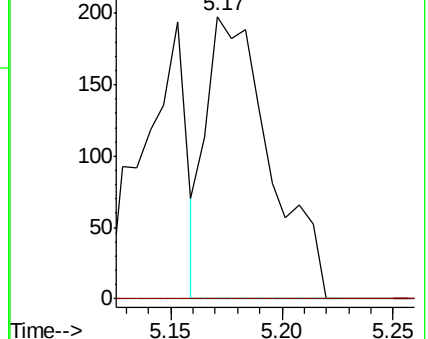
59 100

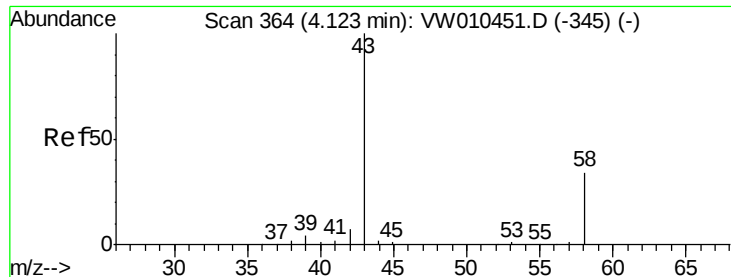
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 28.545 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010624.D

Acq: 30 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

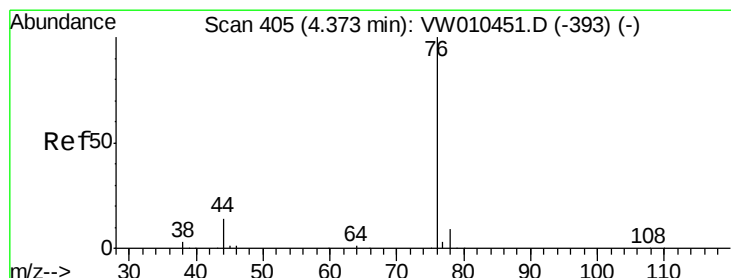
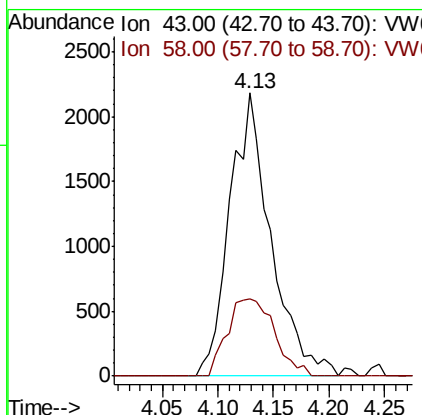
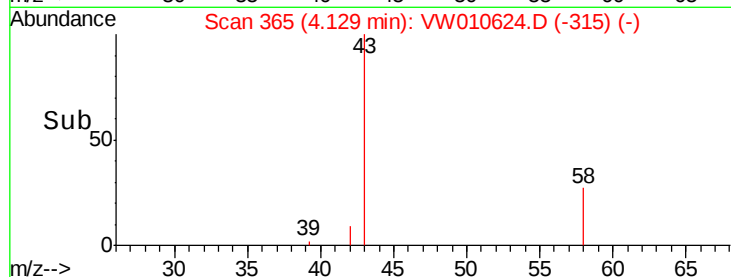
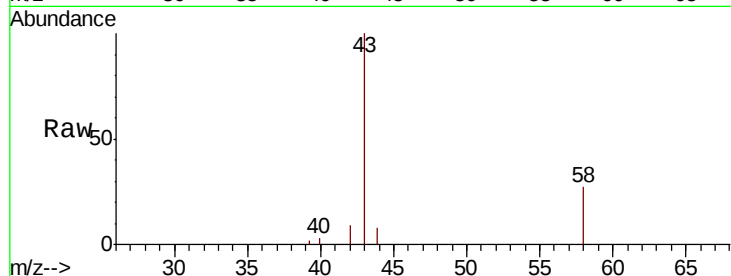
0433-HR-13(HACKENSACK)

Tot Ion: 43 Resp: 5603

Ion Ratio Lower Upper

43 100

58 27.4 27.0 40.4



#17

Carbon Disulfide

Concen: 1.014 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010624.D

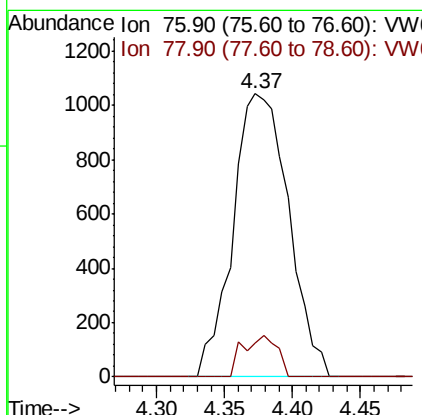
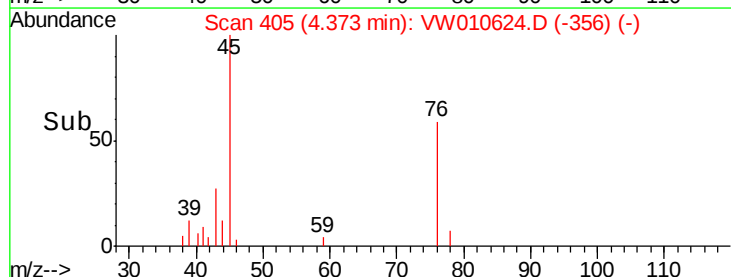
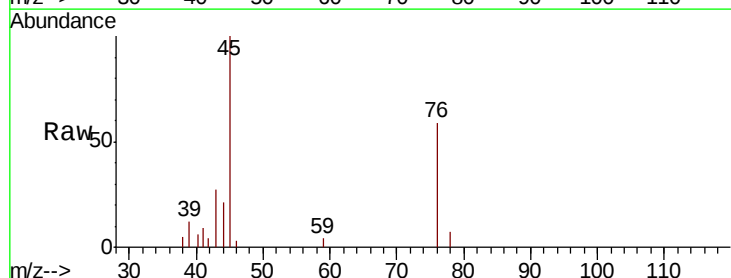
Acq: 30 May 2019 19:38

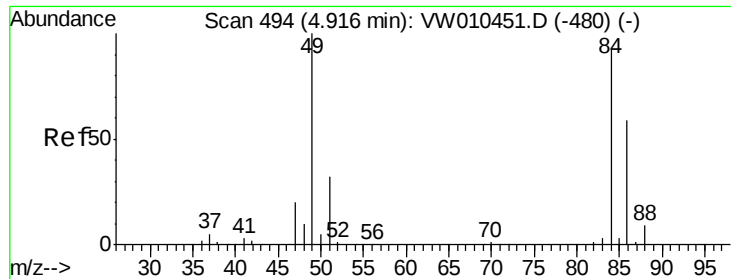
Tgt Ion: 76 Resp: 2976

Ion Ratio Lower Upper

76 100

78 11.9 7.1 10.7#

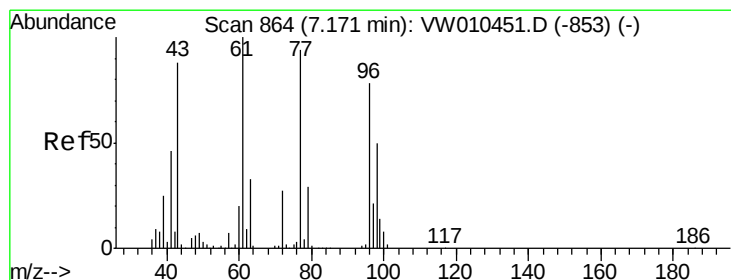
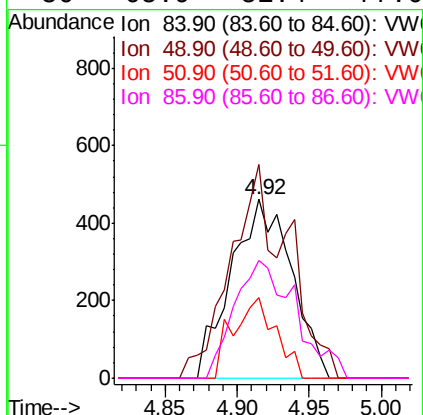
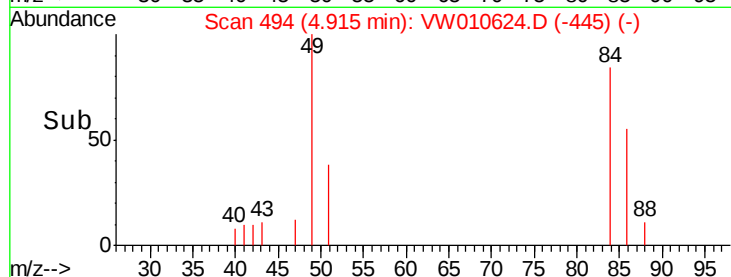
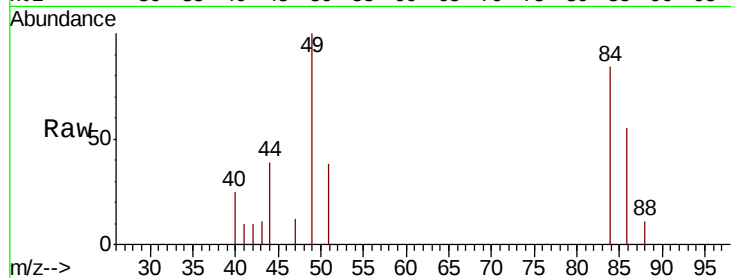




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010624.D
Acq: 30 May 2019 19:38

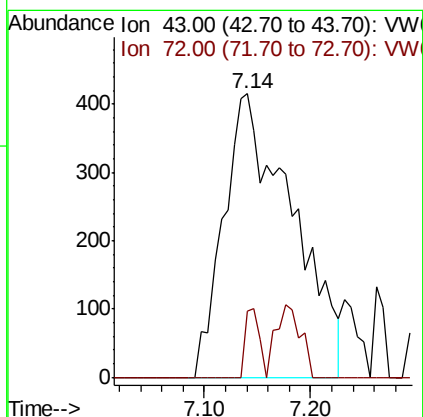
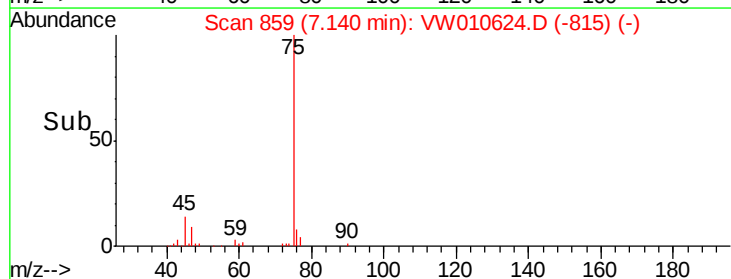
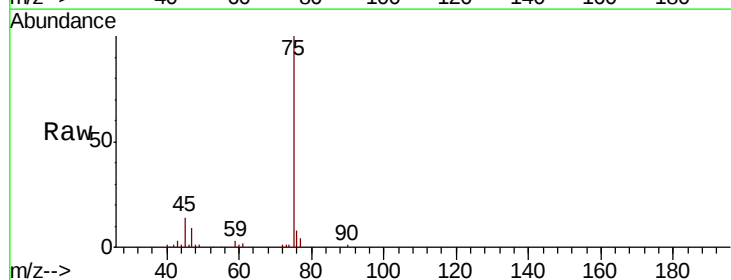
Instrument :
MSVOA_W
ClientSampleId :
0433-HR-13(HACKENSACK)

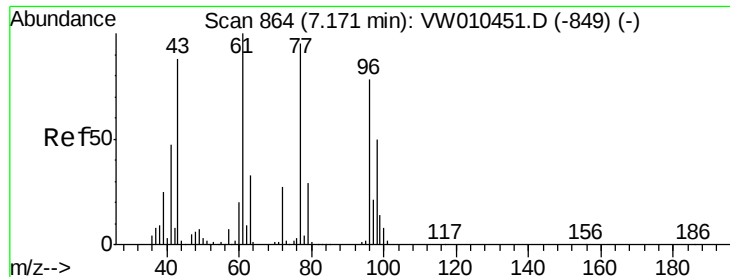
Tot Ion: 84 Resp: 1342
Ion Ratio Lower Upper
84 100
49 119.5 87.2 130.8
51 45.3 27.7 41.5#
86 65.9 51.4 77.0



#25
2-Butanone
Concen: 6.611 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010624.D
Acq: 30 May 2019 19:38

Tgt Ion: 43 Resp: 1857
Ion Ratio Lower Upper
43 100
72 23.1 24.1 36.1#





#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW010624.D

Acq: 30 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

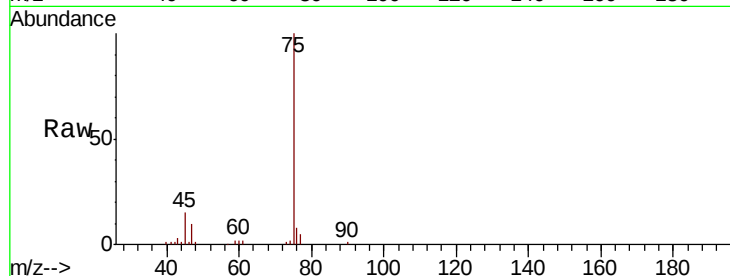
0433-HR-13(HACKENSACK)

Tot Ion: 77 Resp: 1805

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

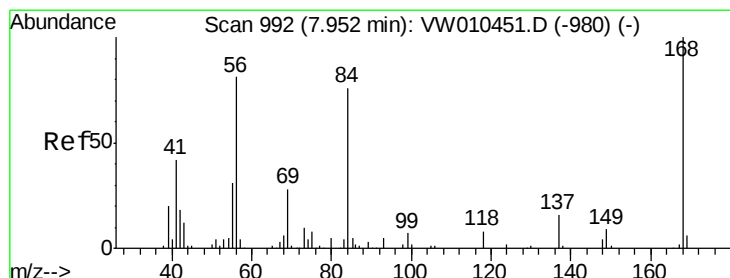
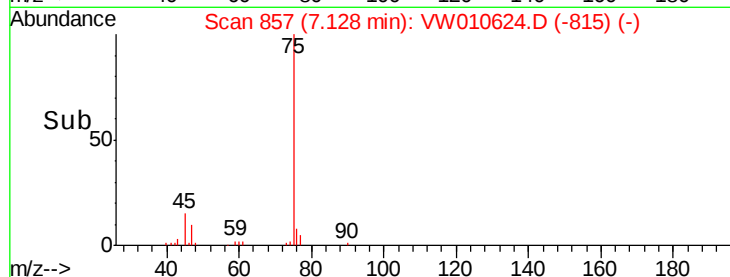
600

400

200

0

Time--> 7.05 7.10 7.15 7.20



#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010624.D

Acq: 30 May 2019 19:38

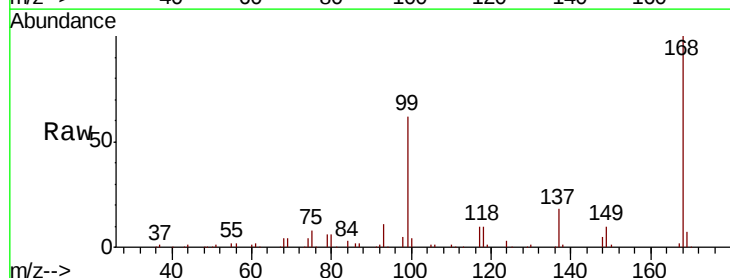
Tgt Ion: 56 Resp: 1892

Ion Ratio Lower Upper

56 100

69 174.4 28.2 42.2#

84 125.0 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

2000

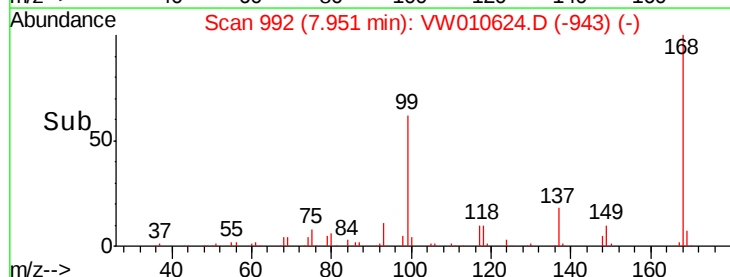
1500

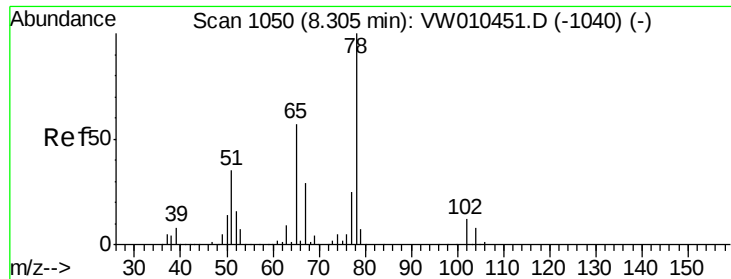
1000

500

0

Time--> 7.90 7.95 8.00





#33

1,2-Dichloroethane-d4

Concen: 53.469 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010624.D

Acq: 30 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

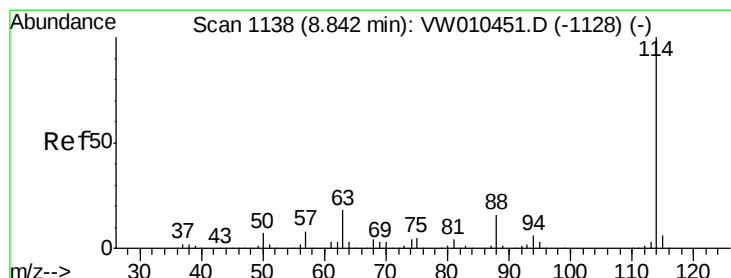
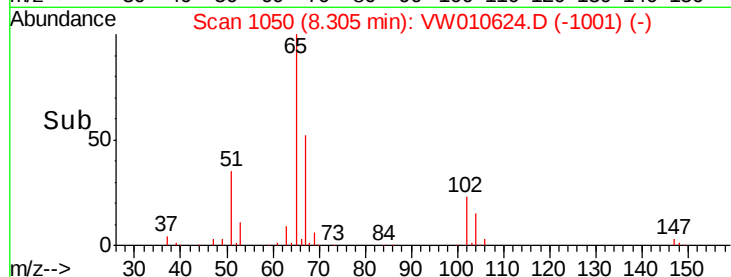
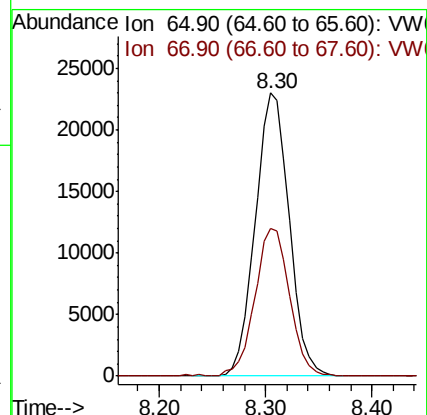
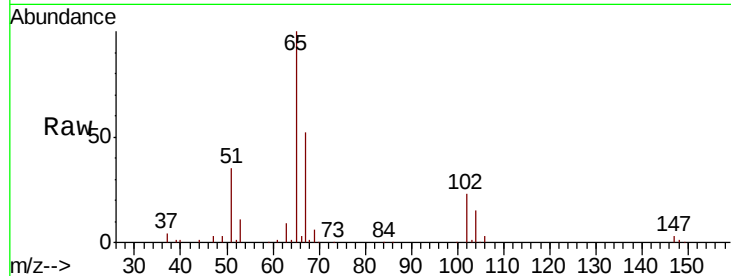
0433-HR-13(HACKENSACK)

Tot Ion: 65 Resp: 51416

Ion Ratio Lower Upper

65 100

67 53.1 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: VW010624.D

Acq: 30 May 2019 19:38

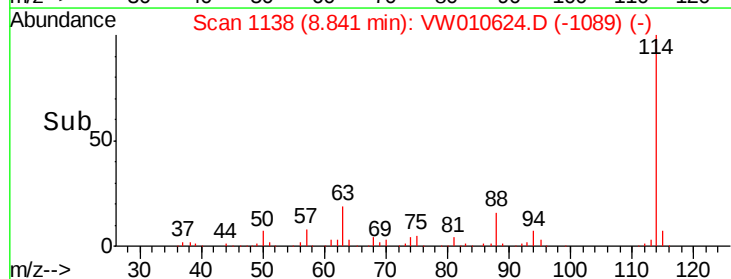
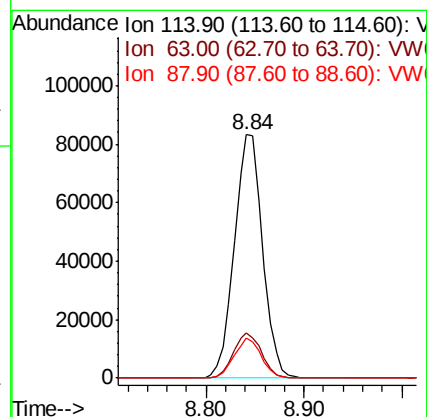
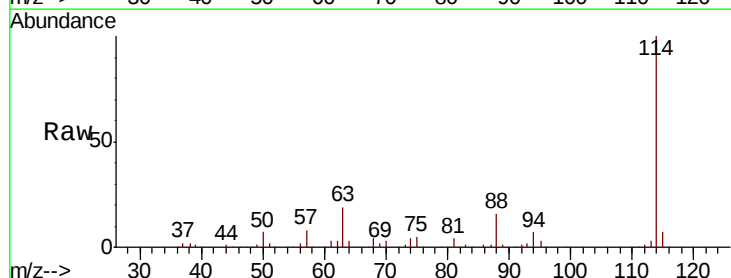
Tgt Ion: 114 Resp: 166235

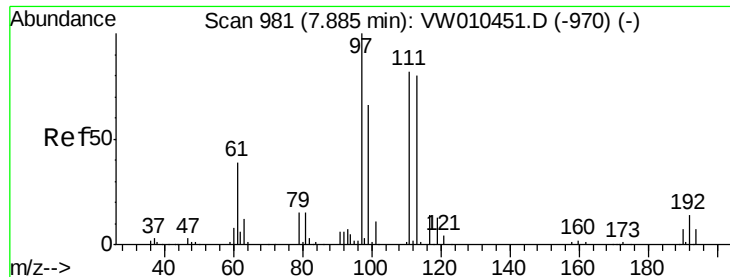
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.0

88 16.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.134 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010624.D

Acq: 30 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

0433-HR-13(HACKENSACK)

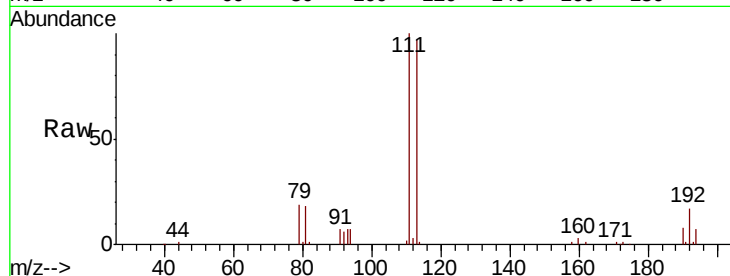
Tot Ion:113 Resp: 49561

Ion Ratio Lower Upper

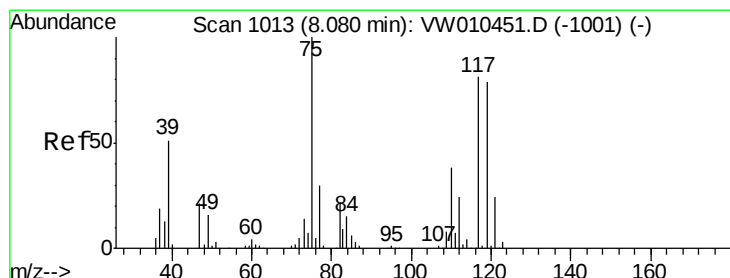
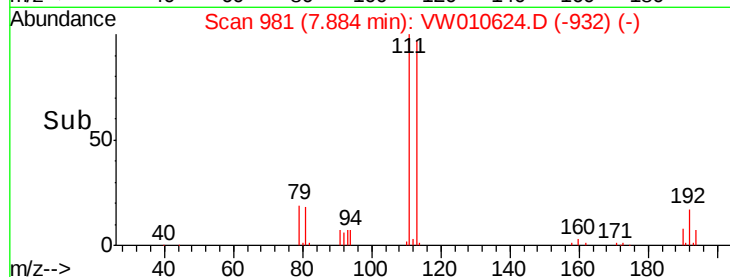
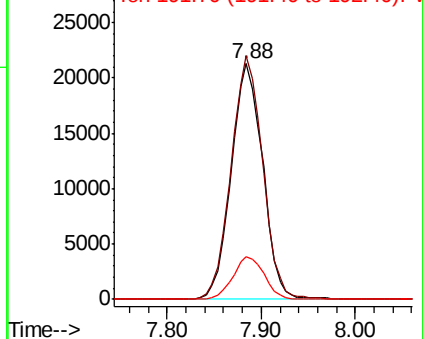
113 100

111 103.4 82.2 123.4

192 17.8 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: 4.797 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010624.D

Acq: 30 May 2019 19:38

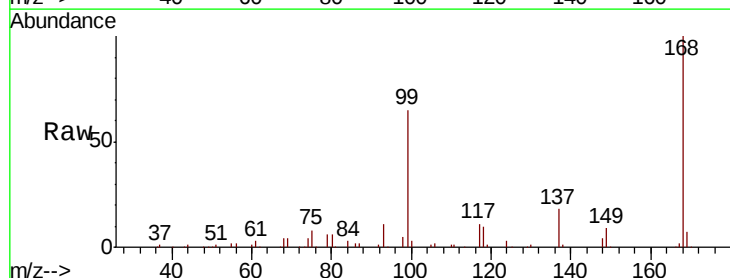
Tgt Ion: 75 Resp: 7428

Ion Ratio Lower Upper

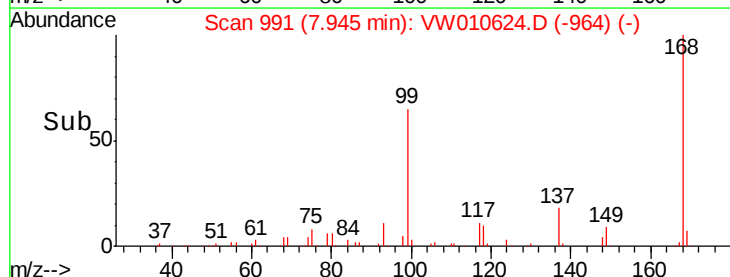
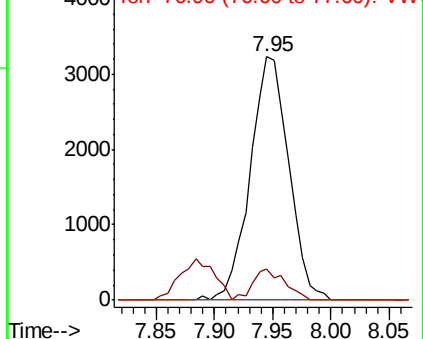
75 100

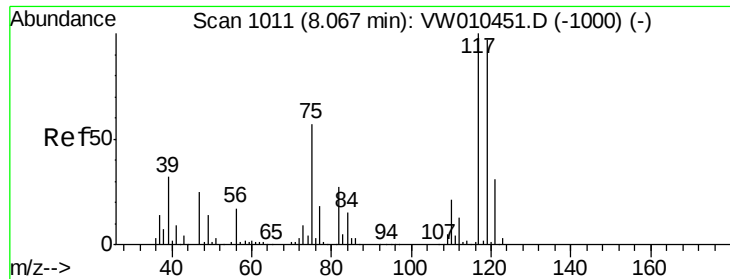
110 10.5 19.2 57.6#

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

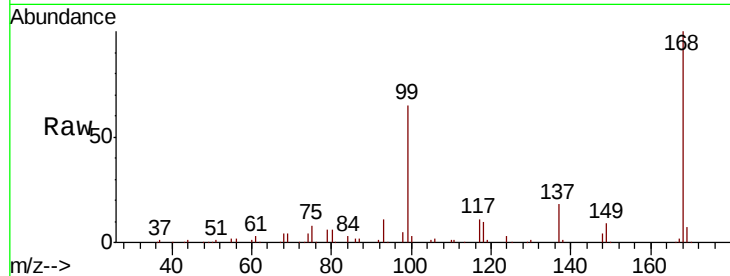




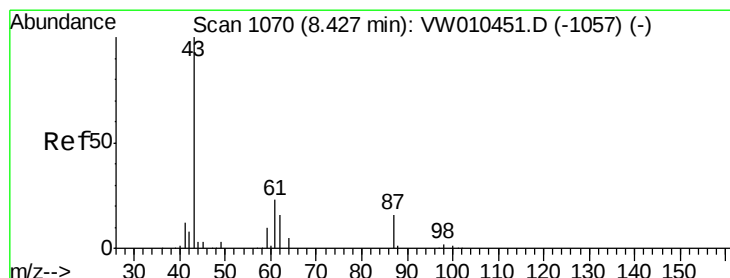
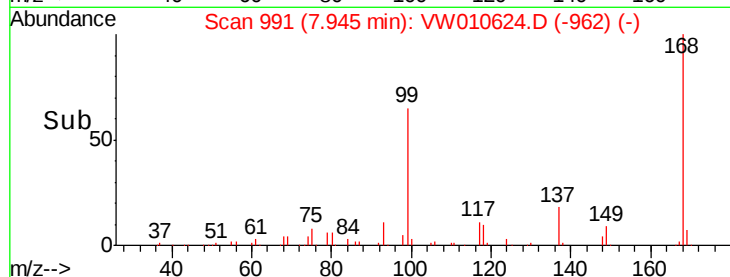
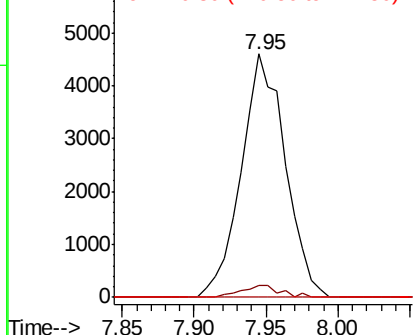
#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010624.D
Acq: 30 May 2019 19:38

Instrument :
MSVOA_W
ClientSampleId :
0433-HR-13(HACKENSACK)

Tot Ion:117 Resp: 9744
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 25.0 37.6#

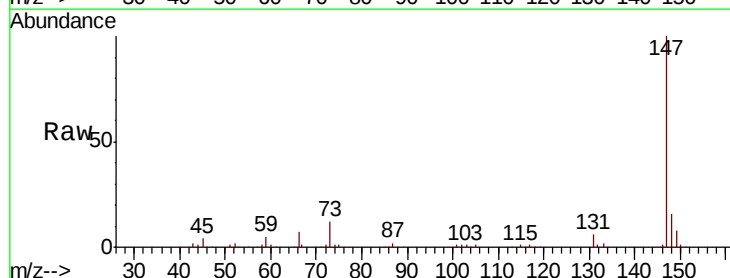


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

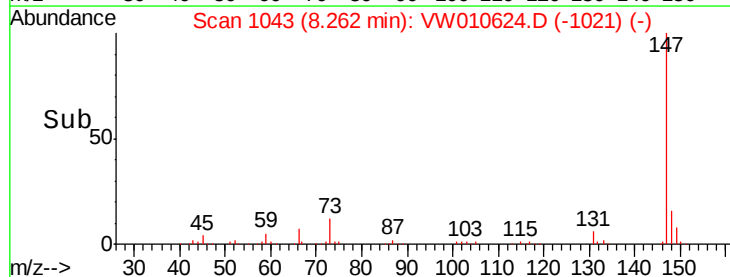
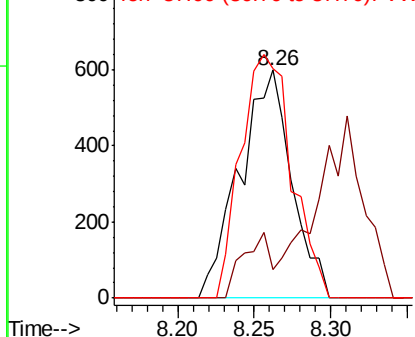


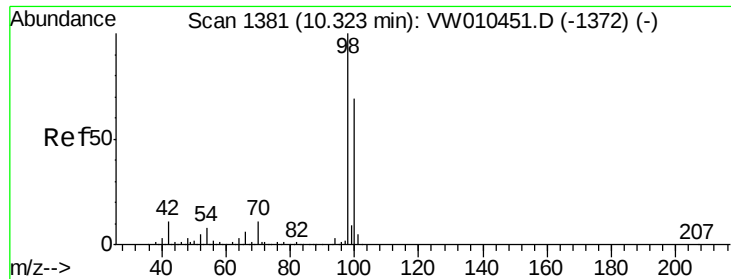
#43
Isopropyl Acetate
Concen: 1.078 ug/l
RT: 8.26 min Scan# 1043
Delta R.T. -0.17 min
Lab File: VW010624.D
Acq: 30 May 2019 19:38

Tgt Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
61 15.2 25.4 38.2#
87 105.0 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

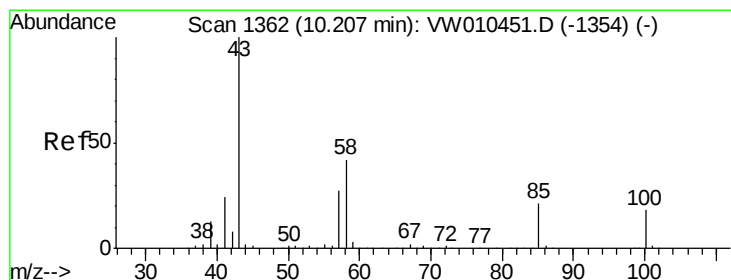
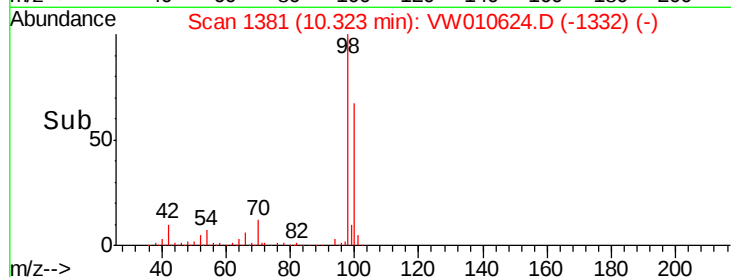
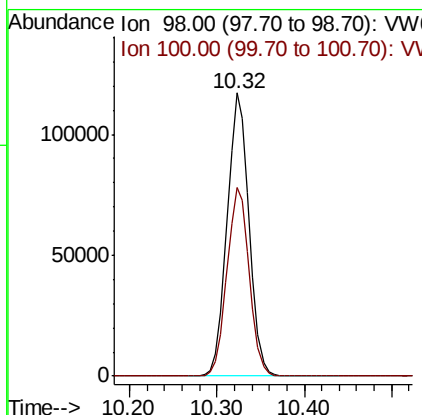
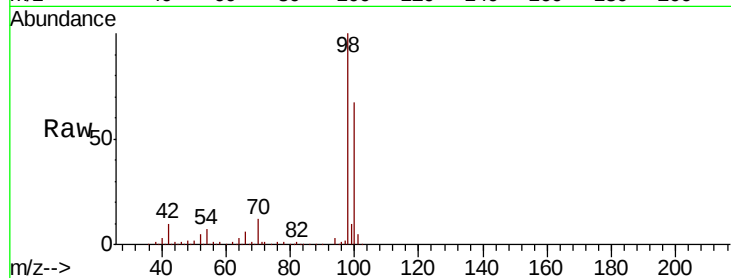




#50
Toluene-d8
Concen: 52.776 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010624.D
Acq: 30 May 2019 19:38

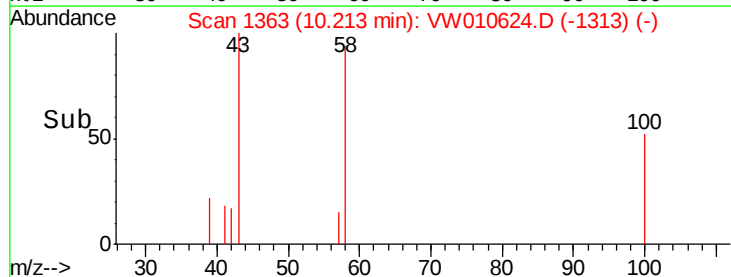
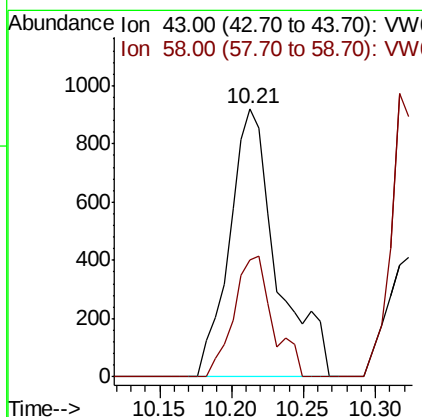
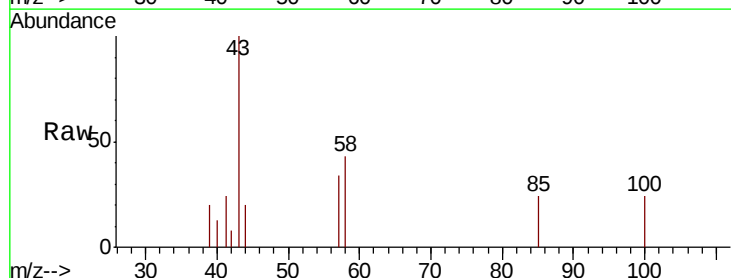
Instrument :
MSVOA_W
ClientSampleId :
0433-HR-13(HACKENSACK)

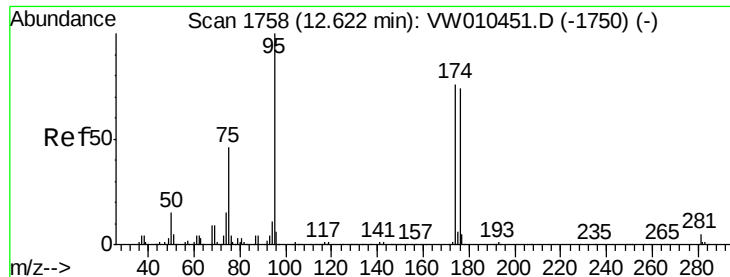
Tot Ion: 98 Resp: 203369
Ion Ratio Lower Upper
98 100
100 67.5 53.7 80.5



#51
4-Methyl-2-Pentanone
Concen: 3.149 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010624.D
Acq: 30 May 2019 19:38

Tgt Ion: 43 Resp: 2099
Ion Ratio Lower Upper
43 100
58 37.3 33.2 49.8





#62

4-Bromofluorobenzene

Concen: 47.976 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010624.D

Acq: 30 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

0433-HR-13(HACKENSACK)

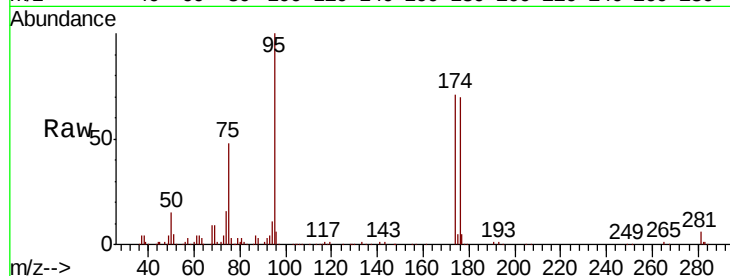
Tot Ion: 95 Resp: 73637

Ion Ratio Lower Upper

95 100

174 69.9 0.0 148.6

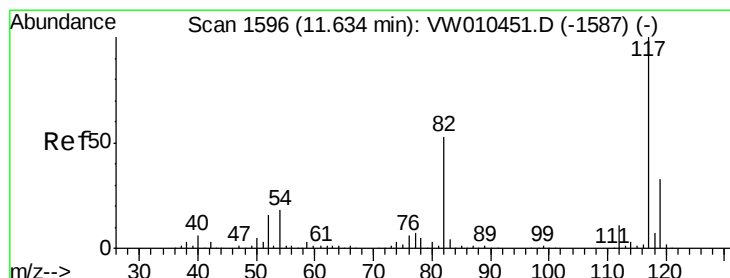
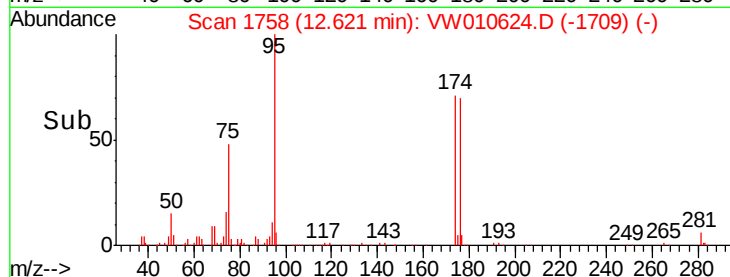
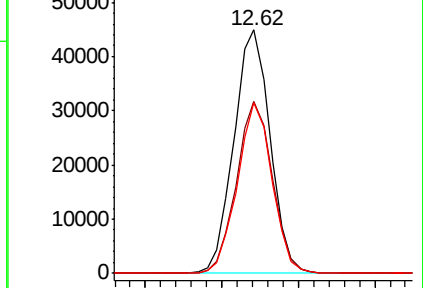
176 67.4 0.0 144.2



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: VW010624.D

Acq: 30 May 2019 19:38

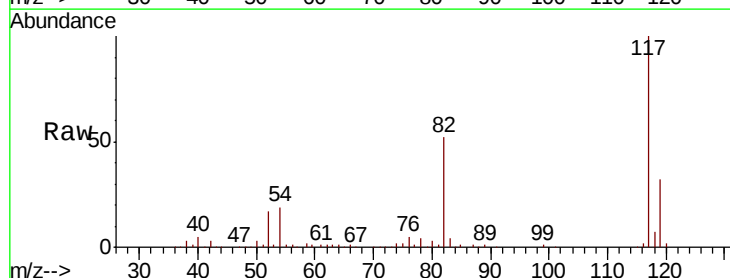
Tgt Ion: 117 Resp: 145025

Ion Ratio Lower Upper

117 100

82 52.3 42.8 64.2

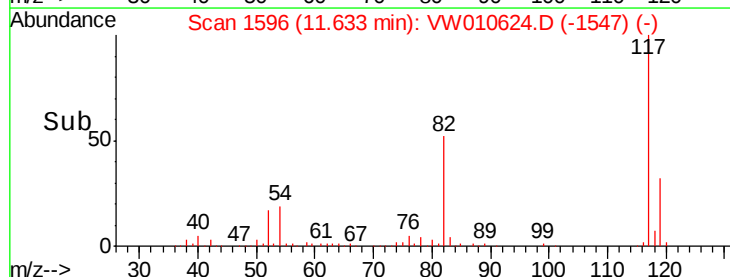
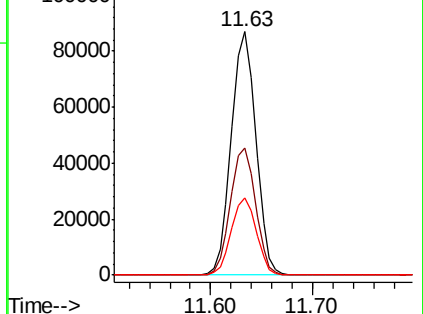
119 31.9 26.3 39.5

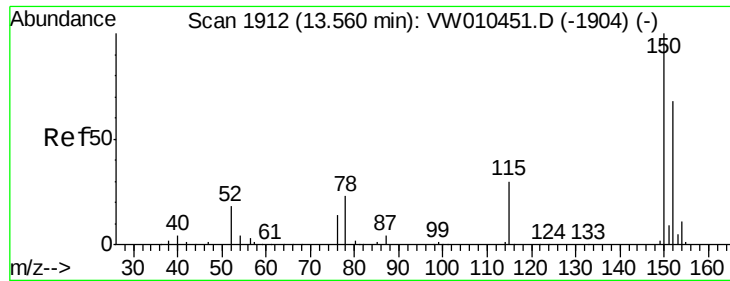


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010624.D

Acq: 30 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

0433-HR-13(HACKENSACK)

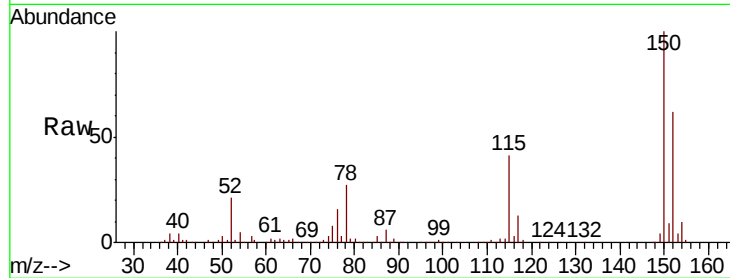
Tot Ion:152 Resp: 63399

Ion Ratio Lower Upper

152 100

115 63.7 30.3 91.0

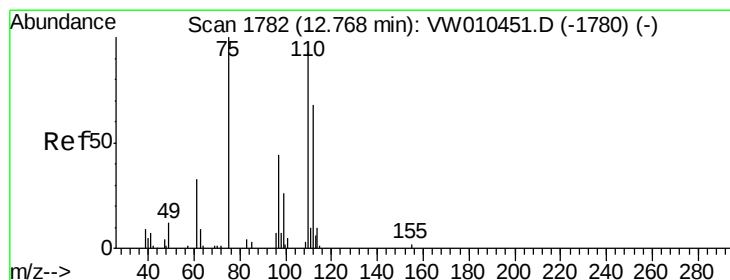
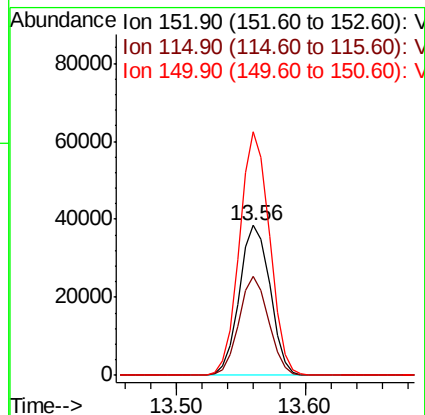
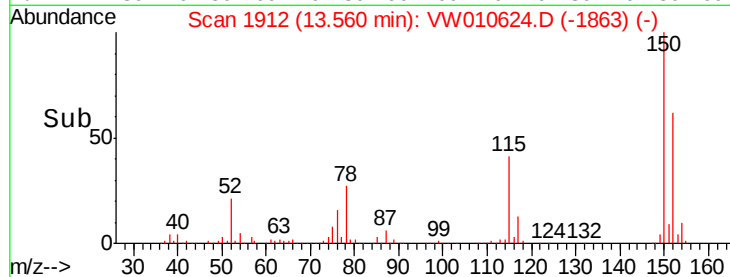
150 158.9 0.0 349.8



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: 54.564 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010624.D

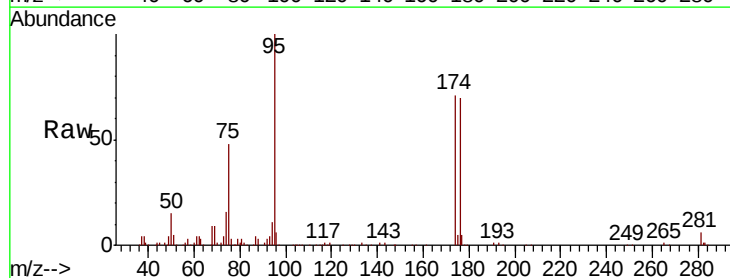
Acq: 30 May 2019 19:38

Tgt Ion: 75 Resp: 35114

Ion Ratio Lower Upper

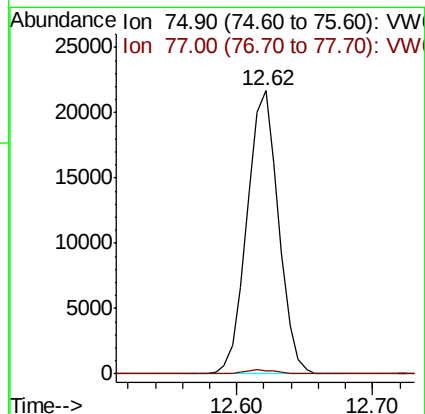
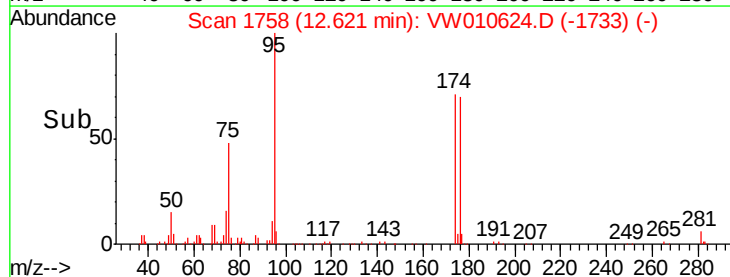
75 100

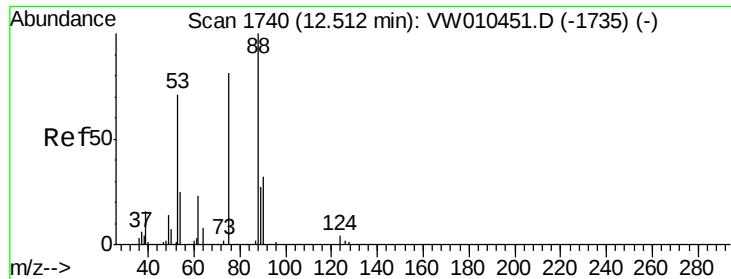
77 1.4 170.0 510.1#



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: 113.876 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010624.D

Acq: 30 May 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

0433-HR-13(HACKENSACK)

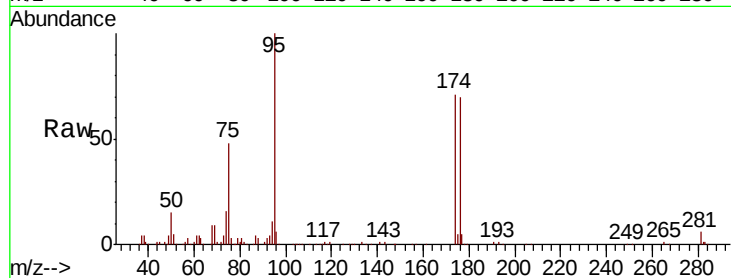
Tot Ion: 75 Resp: 35114

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

