

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010619.D
 Acq On : 30 May 2019 17:21
 Operator : SY/VA
 Sample : K3097-08
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0428-HR-8(HACKENSACK)

Quant Time: May 31 07:45:30 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	4976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	8285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	6629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1454	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	2787	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	
35) Dibromofluoromethane	7.88	113	2505	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.33	98	9706	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	2793	36.51	ug/l	0.00
Spiked Amount			Recovery	=	73.02%	

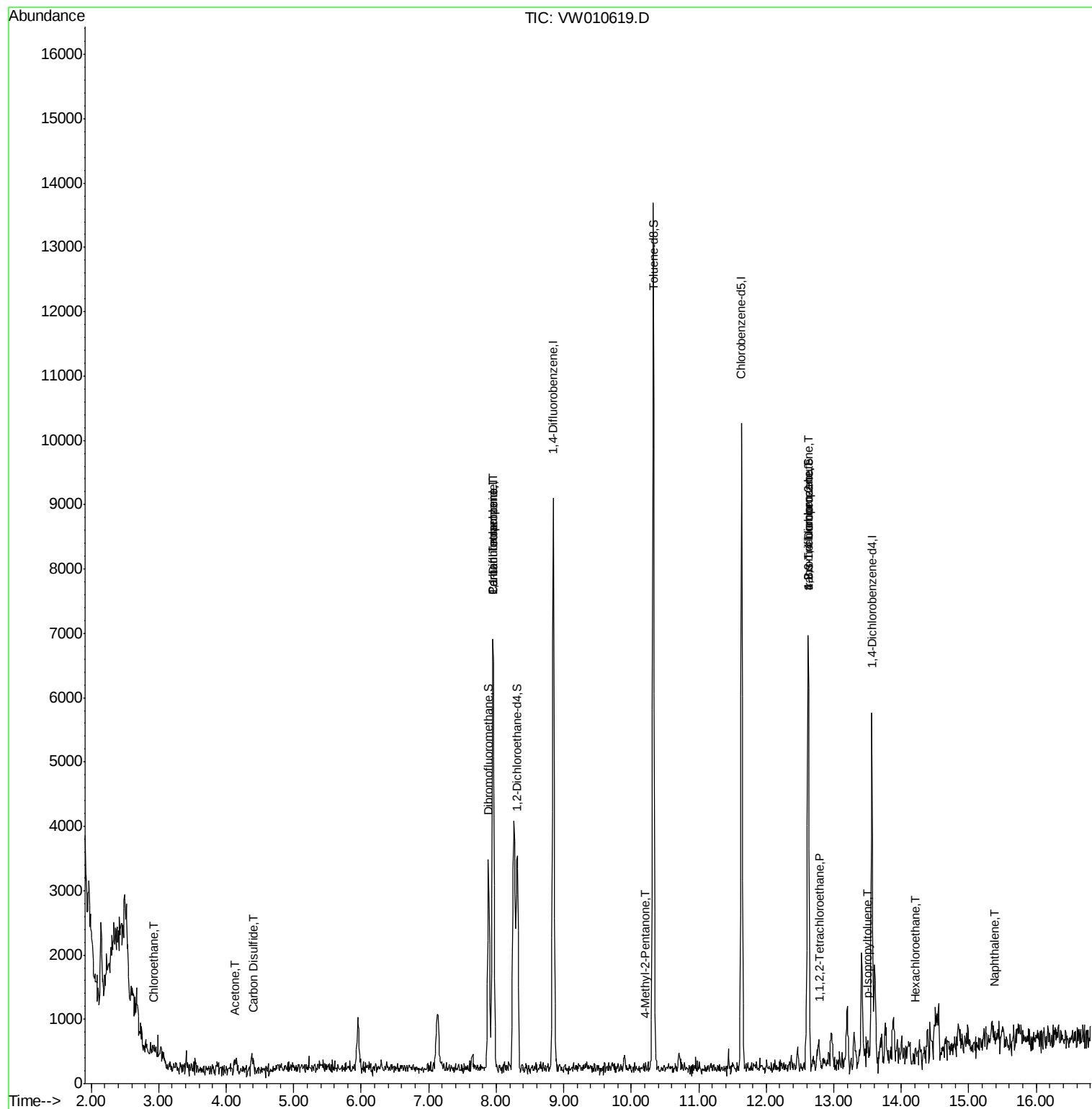
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.92	64	72	1.852	ug/l #	43
16) Acetone	4.13	43	374	35.674	ug/l #	41
17) Carbon Disulfide	4.39	76	260	1.658	ug/l #	75
20) Methylene Chloride	4.92	84	30	Below Cal	#	10
36) 1,1-Dichloropropene	7.95	75	384	4.975	ug/l #	40
38) Carbon Tetrachloride	7.95	117	537	6.450	ug/l #	12
51) 4-Methyl-2-Pentanone	10.22	43	48	1.445	ug/l #	34
75) 1,1,2,2-Tetrachloroethane	12.79	83	40	1.906	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	1344	91.063	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	1344	190.051	ug/l #	14
86) p-Isopropyltoluene	13.50	119	193	1.785	ug/l #	71
90) Hexachloroethane	14.21	117	107	5.113	ug/l #	15
95) Naphthalene	15.38	128	72	1.092	ug/l #	69

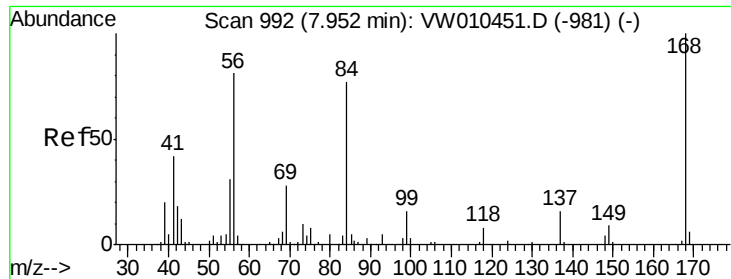
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010619.D

Acq: 30 May 2019 17:21

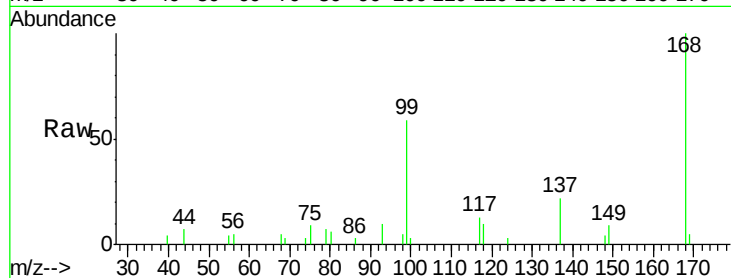
Instrument :
MSVOA_W
ClientSampleId :
0428-HR-8(HACKENSACK)

Tot Ion:168 Resp: 4976

Ion Ratio Lower Upper

168 100

99 59.5 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

2500

2000

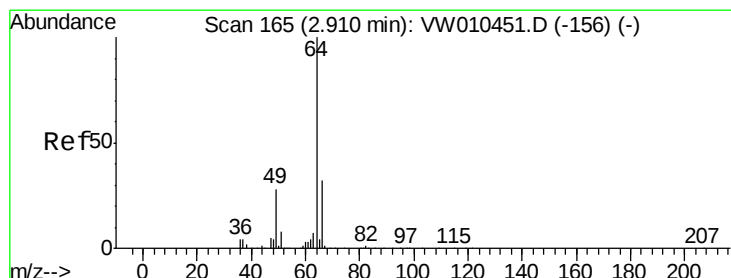
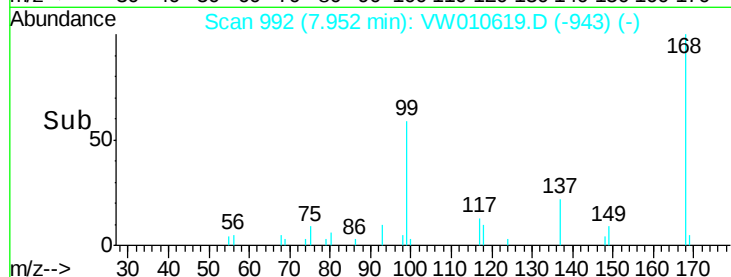
1500

1000

500

0

Time-->



#6

Chloroethane

Concen: 1.852 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010619.D

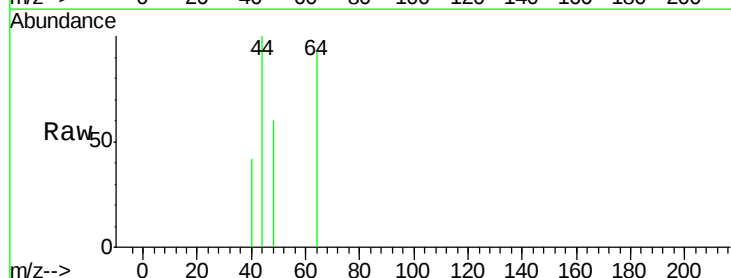
Acq: 30 May 2019 17:21

Tgt Ion: 64 Resp: 72

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

2.92

250

200

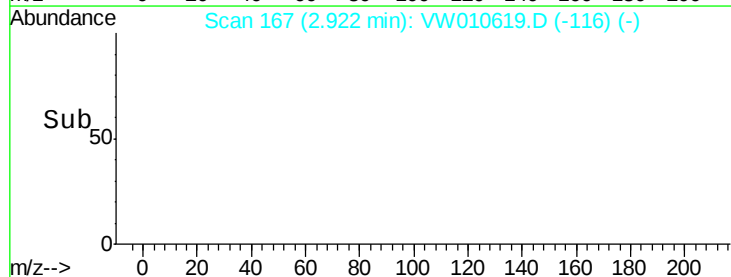
150

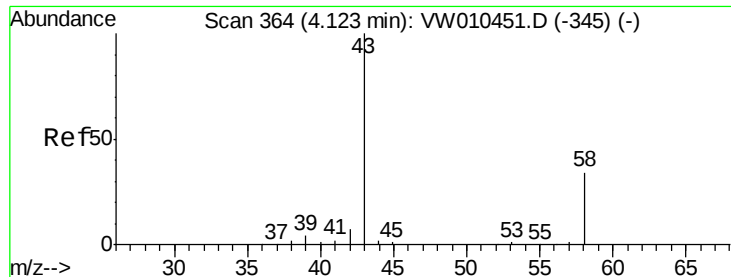
100

50

0

Time-->





#16

Acetone

Concen: 35.674 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010619.D

Acq: 30 May 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

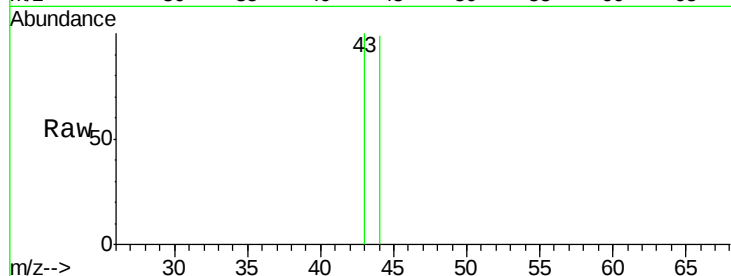
0428-HR-8(HACKENSACK)

Tot Ion: 43 Resp: 374

Ion Ratio Lower Upper

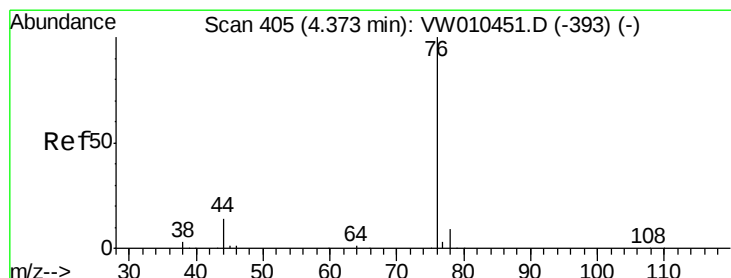
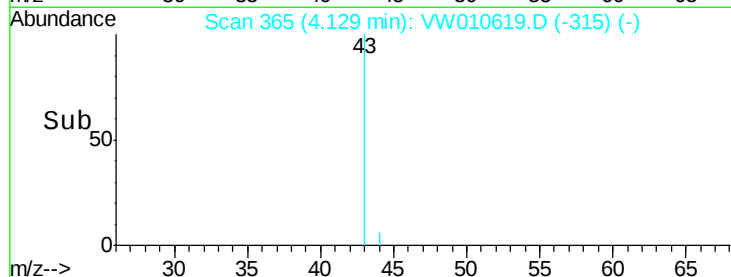
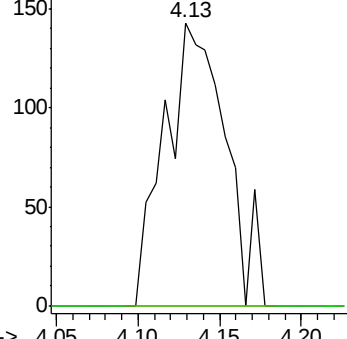
43 100

58 0.0 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.658 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.02 min

Lab File: VW010619.D

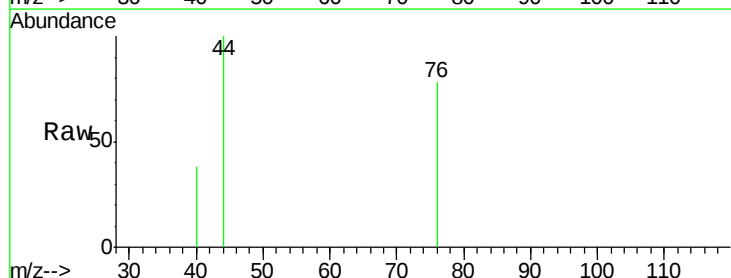
Acq: 30 May 2019 17:21

Tgt Ion: 76 Resp: 260

Ion Ratio Lower Upper

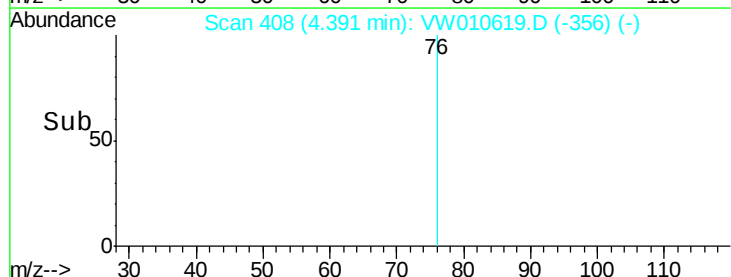
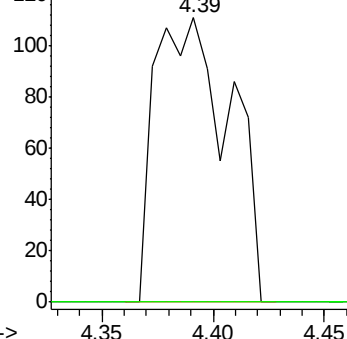
76 100

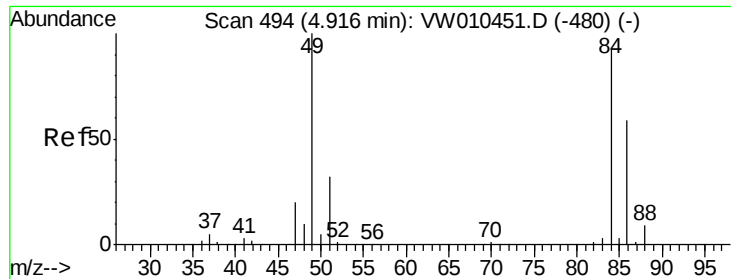
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

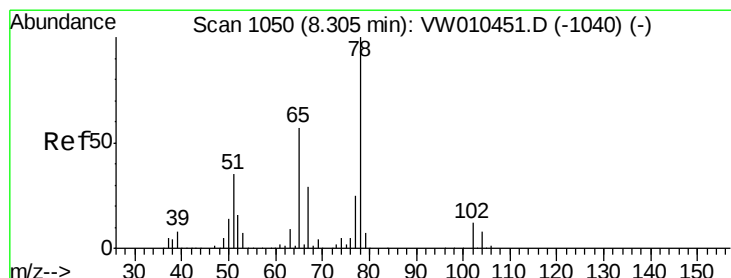
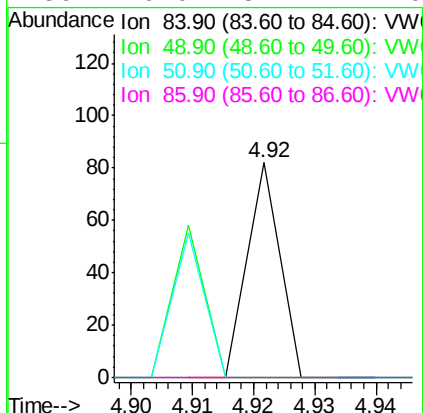
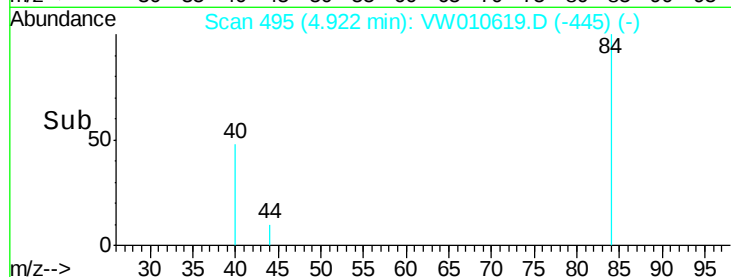
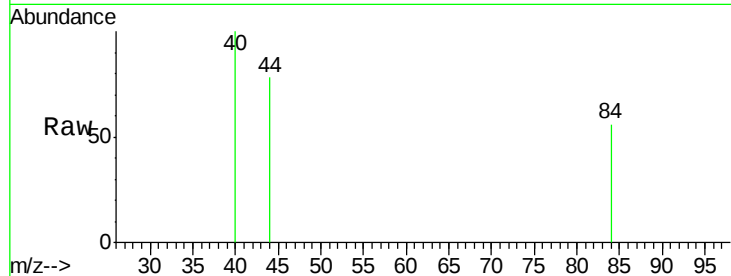




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010619.D
Acq: 30 May 2019 17:21

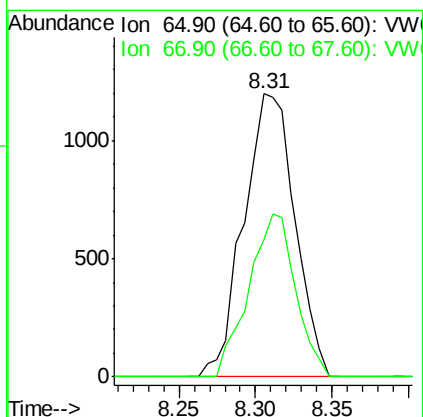
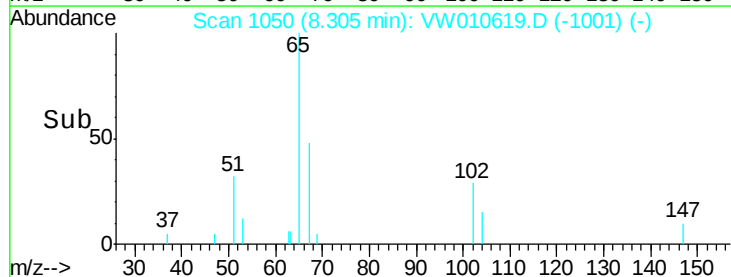
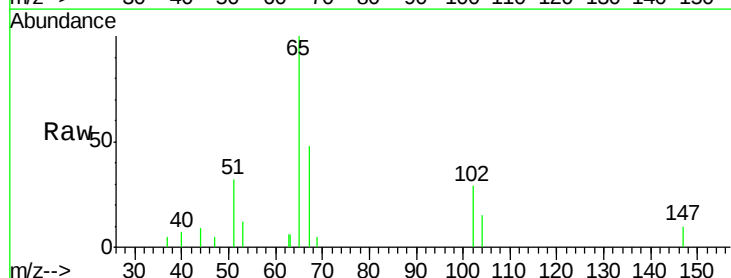
Instrument :
MSVOA_W
ClientSampleId :
0428-HR-8(HACKENSACK)

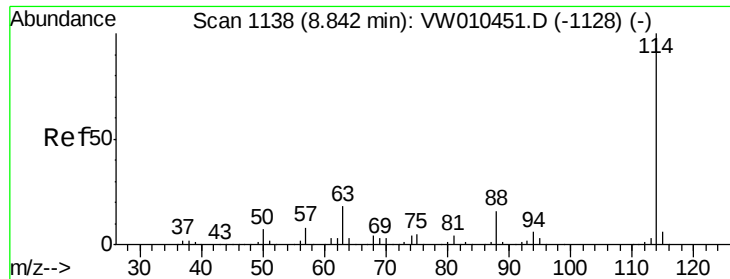
Tot Ion:	84	Resp:	30
Ion	Ratio	Lower	Upper
84	100		
49	0.0	87.2	130.8#
51	0.0	27.7	41.5#
86	0.0	51.4	77.0#



#33
1,2-Dichloroethane-d4
Concen: 54.263 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010619.D
Acq: 30 May 2019 17:21

Tgt Ion:	65	Resp:	2787
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.6

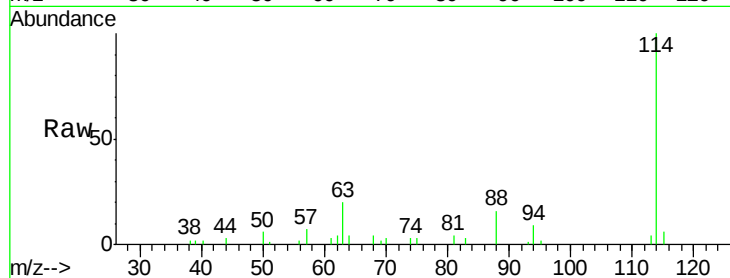




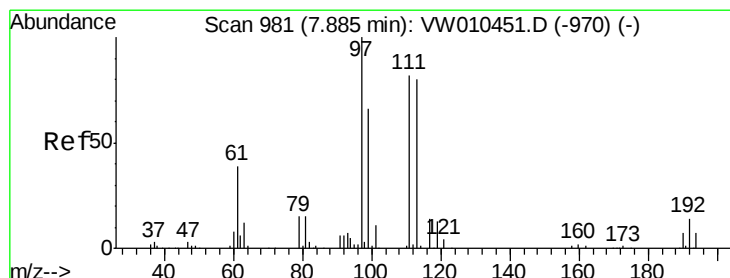
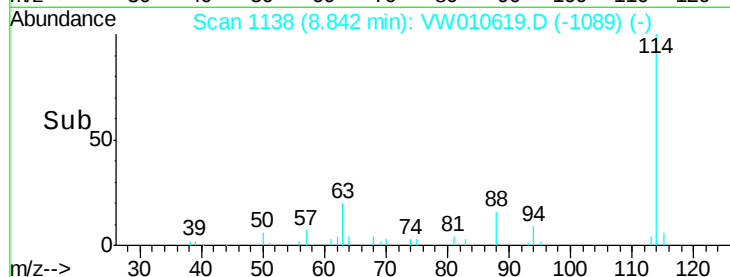
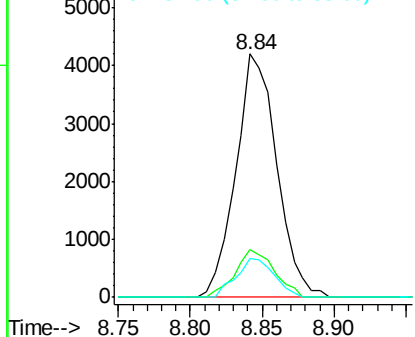
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010619.D
 Acq: 30 May 2019 17:21

Instrument :
 MSVOA_W
 ClientSampleId :
 0428-HR-8(HACKENSACK)

Tot Ion:114 Resp: 8285
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.0
 88 16.1 0.0 32.0

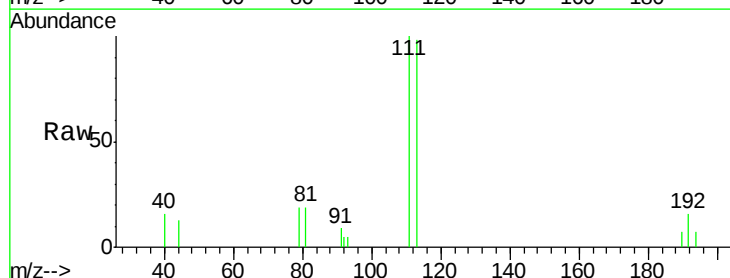


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

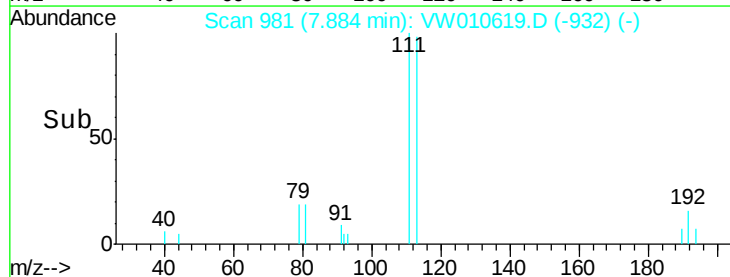
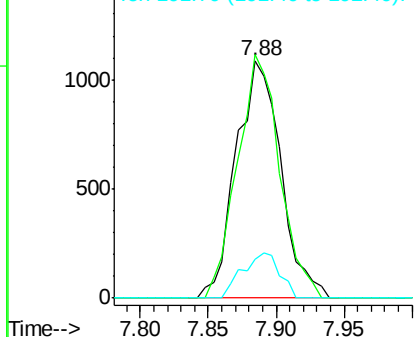


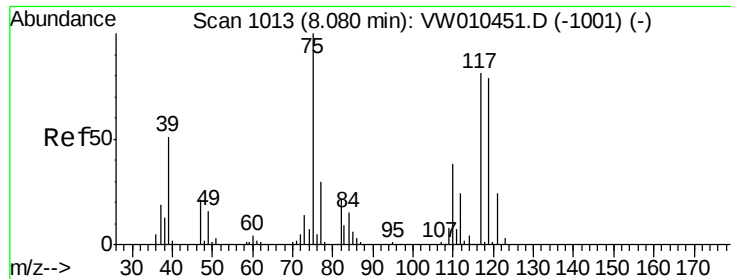
#35
 Dibromofluoromethane
 Concen: 49.829 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010619.D
 Acq: 30 May 2019 17:21

Tgt Ion:113 Resp: 2505
 Ion Ratio Lower Upper
 113 100
 111 96.4 82.2 123.4
 192 15.8 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

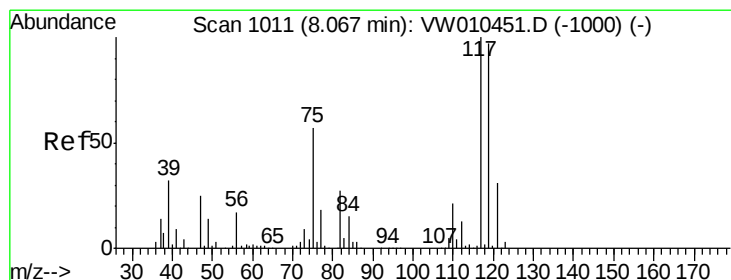
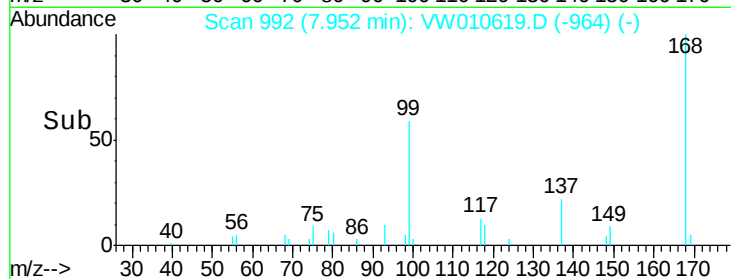
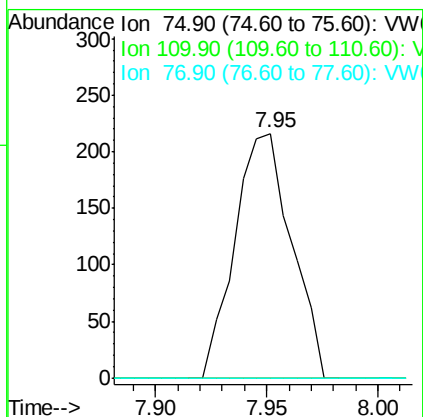
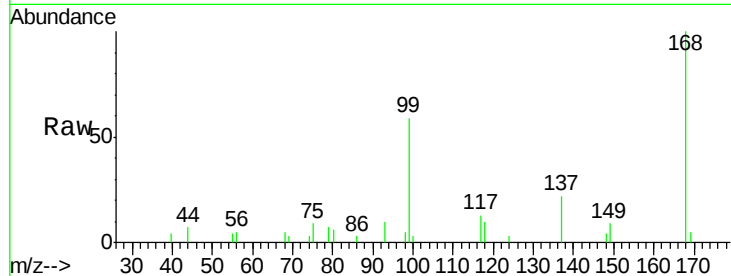




#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010619.D
 Acq: 30 May 2019 17:21

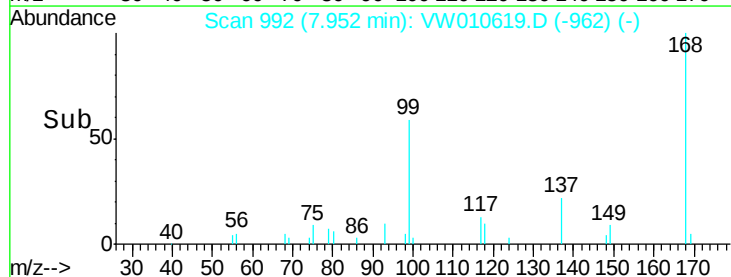
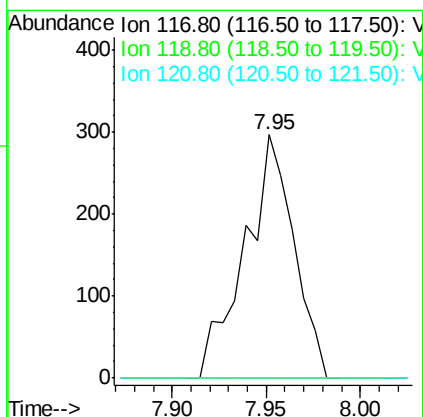
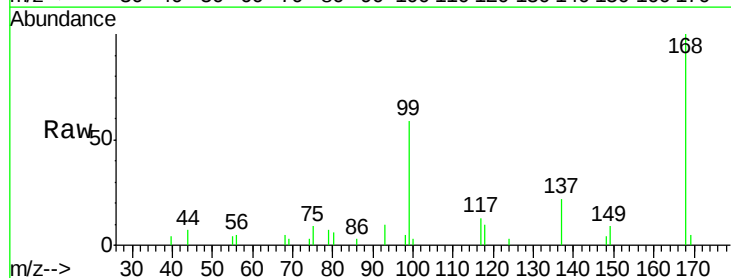
Instrument :
 MSVOA_W
 ClientSampleId :
 0428-HR-8(HACKENSACK)

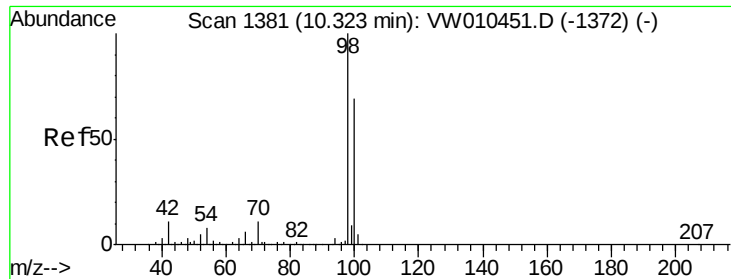
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.2	57.6#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 6.450 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010619.D
 Acq: 30 May 2019 17:21

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





#50

Toluene-d8

Concen: 50.539 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW010619.D

Acq: 30 May 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

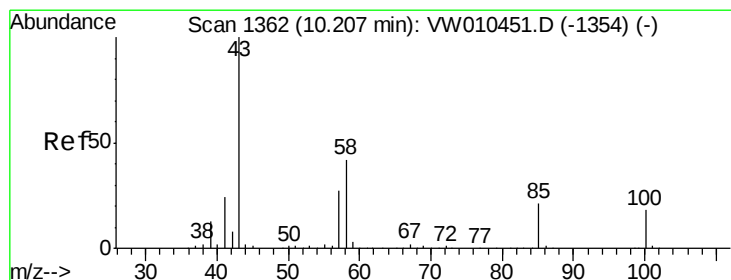
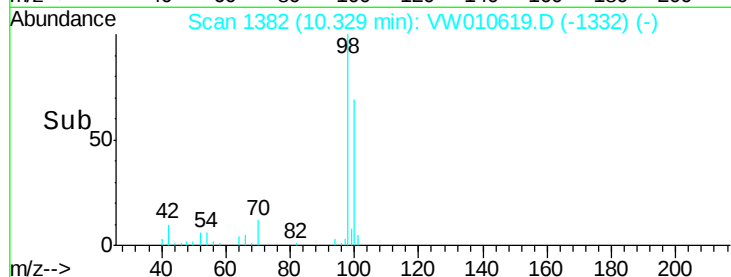
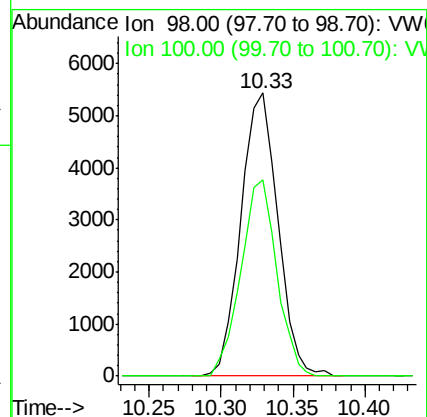
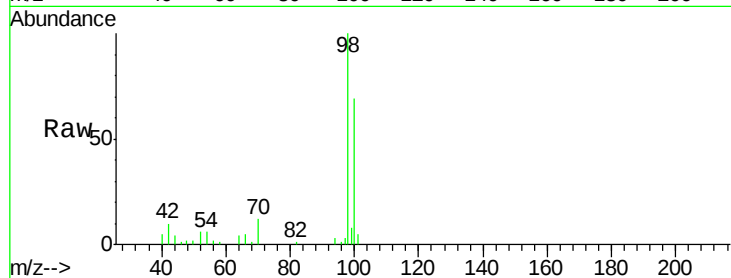
0428-HR-8(HACKENSACK)

Tot Ion: 98 Resp: 9706

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 1.445 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW010619.D

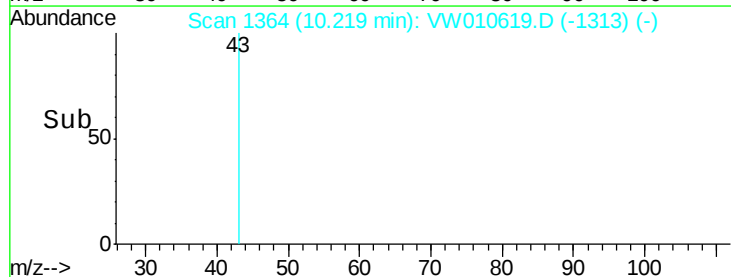
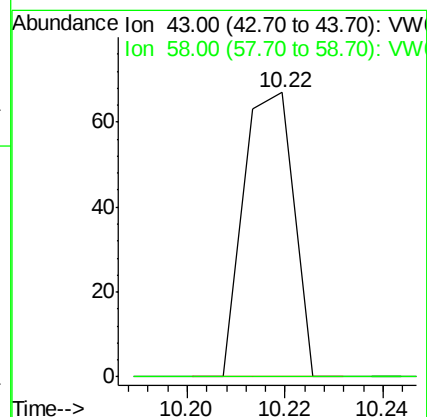
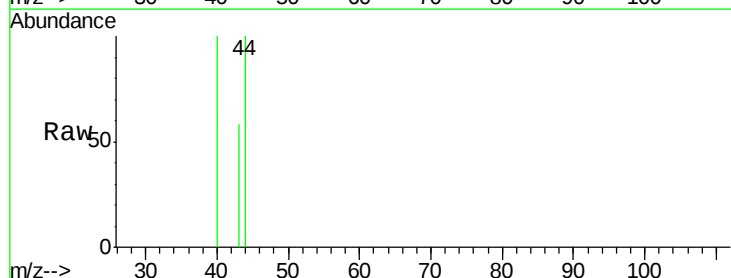
Acq: 30 May 2019 17:21

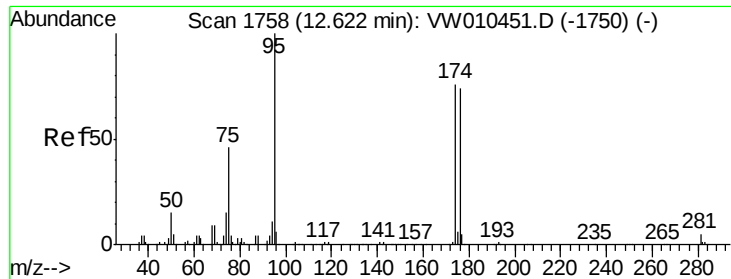
Tgt Ion: 43 Resp: 48

Ion Ratio Lower Upper

43 100

58 0.0 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 36.512 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010619.D

Acq: 30 May 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

0428-HR-8(HACKENSACK)

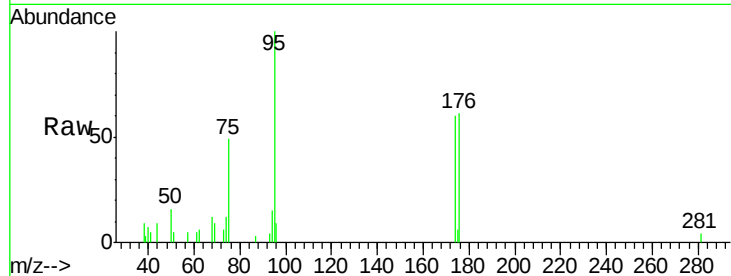
Tot Ion: 95 Resp: 2793

Ion Ratio Lower Upper

95 100

174 61.8 0.0 148.6

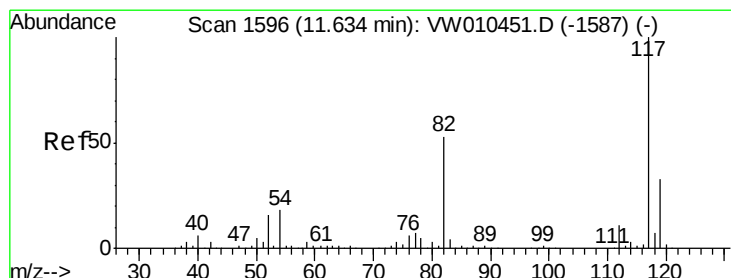
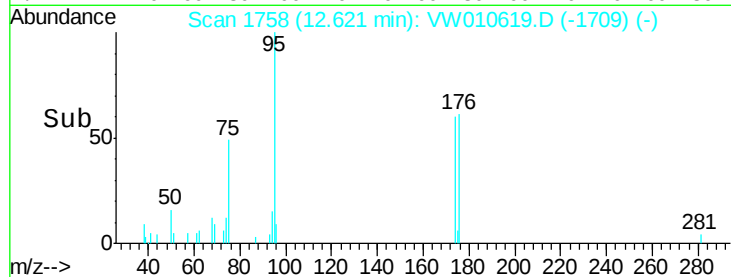
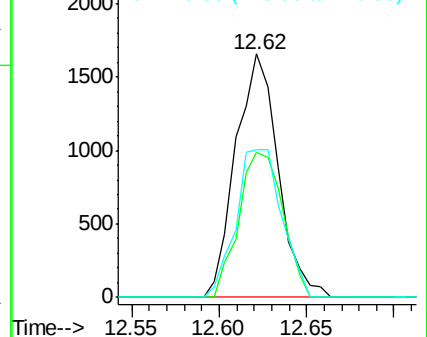
176 65.5 0.0 144.2



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: VW010619.D

Acq: 30 May 2019 17:21

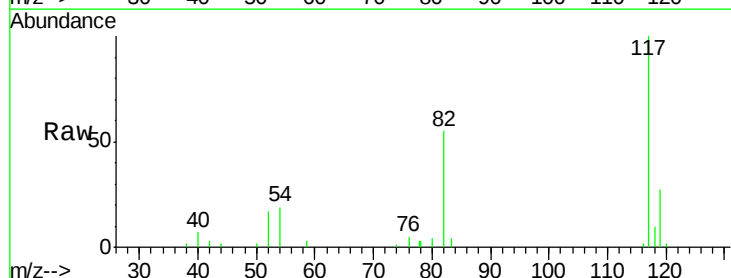
Tgt Ion: 117 Resp: 6629

Ion Ratio Lower Upper

117 100

82 55.0 42.8 64.2

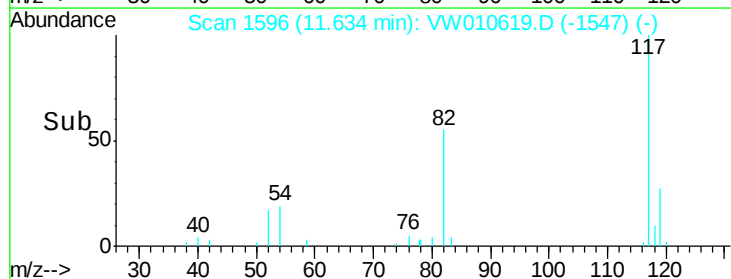
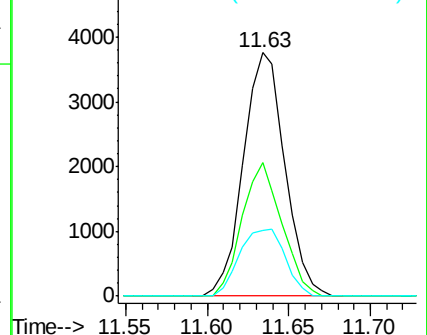
119 27.2 26.3 39.5

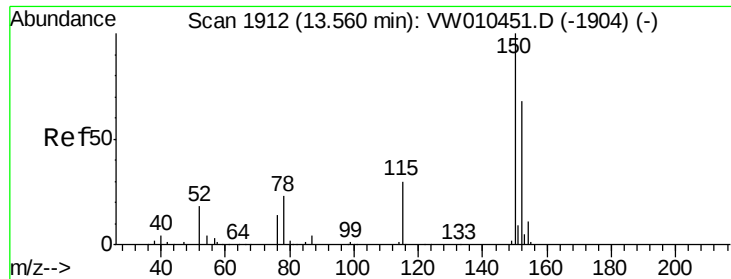


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010619.D

Acq: 30 May 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

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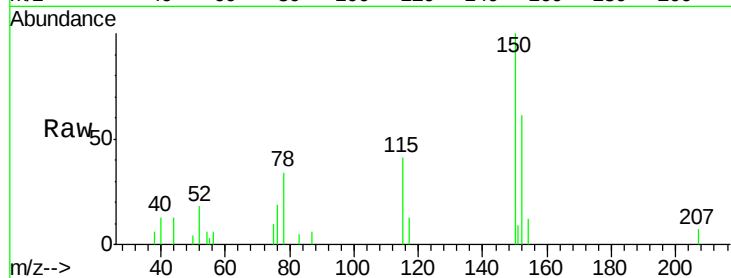
Tot Ion:152 Resp: 1454

Ion Ratio Lower Upper

152 100

115 68.6 30.3 91.0

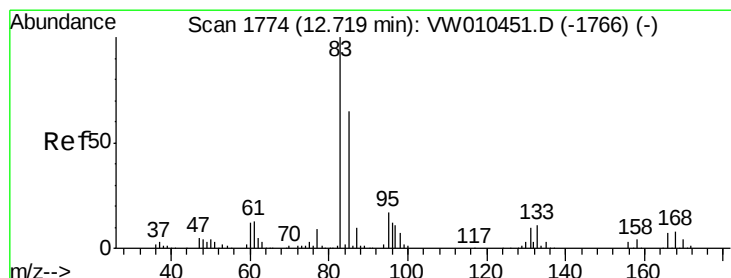
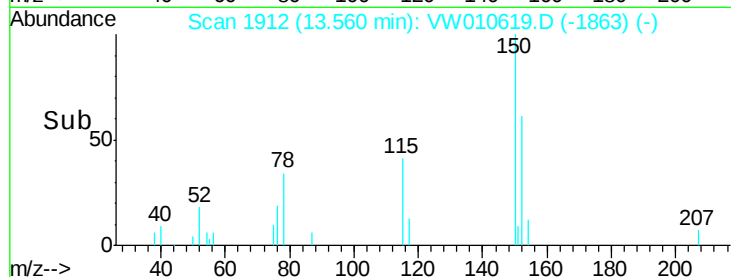
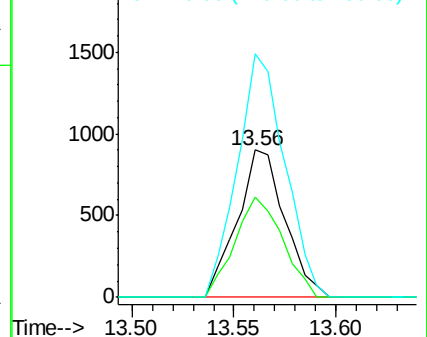
150 165.4 0.0 349.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.906 ug/l

RT: 12.79 min Scan# 1786

Delta R.T. 0.07 min

Lab File: VW010619.D

Acq: 30 May 2019 17:21

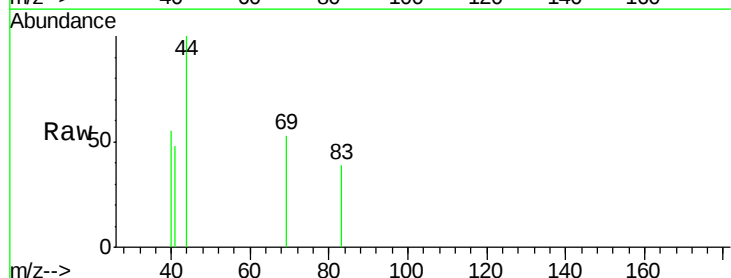
Tgt Ion: 83 Resp: 40

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

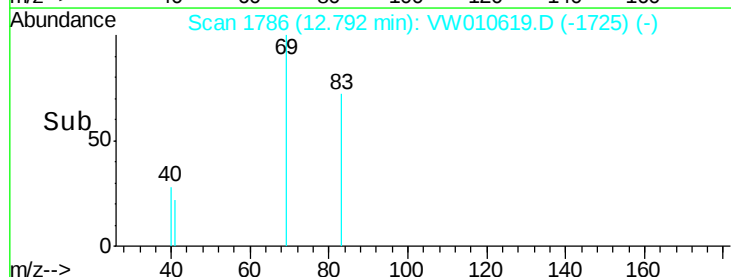
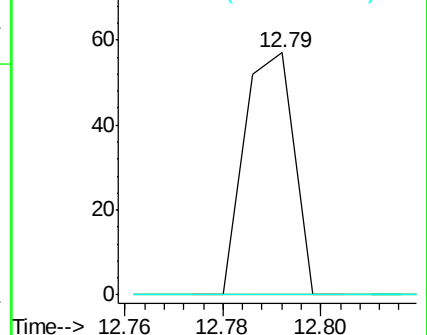
85 0.0 32.4 97.0#

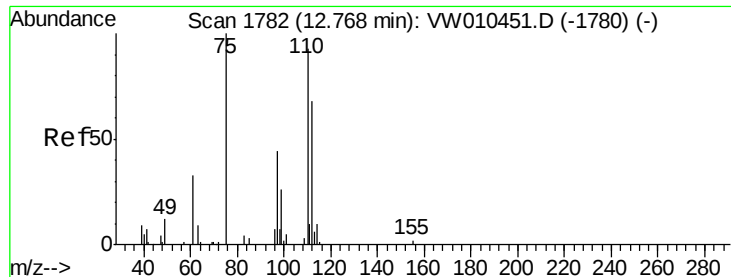


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 91.063 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010619.D

Acq: 30 May 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

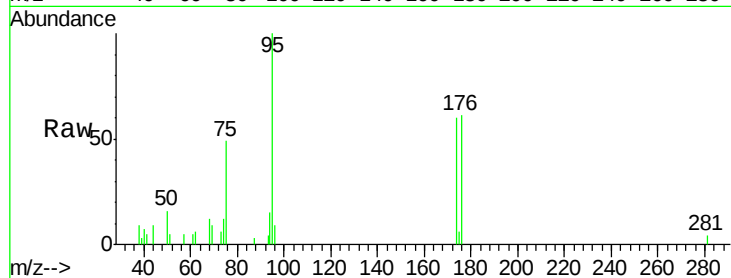
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Tot Ion: 75 Resp: 1344

Ion Ratio Lower Upper

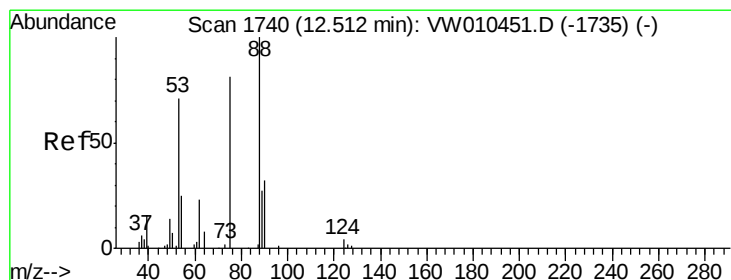
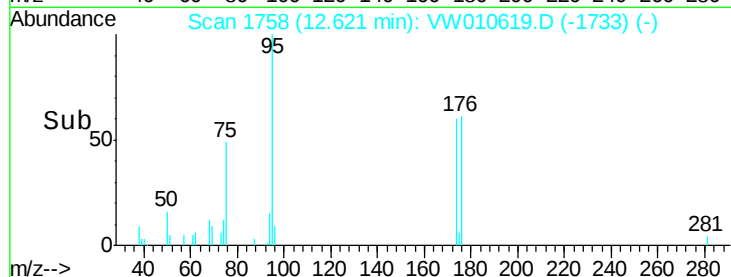
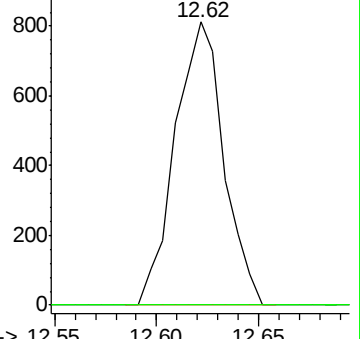
75 100

77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 190.051 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010619.D

Acq: 30 May 2019 17:21

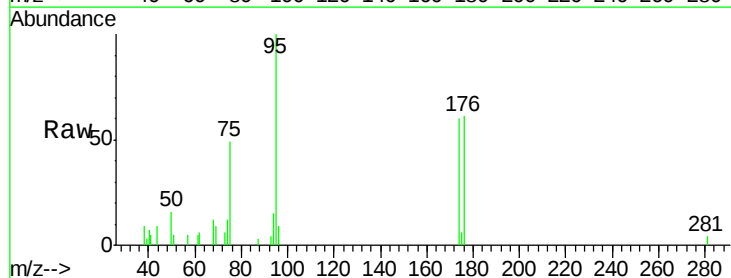
Tgt Ion: 75 Resp: 1344

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

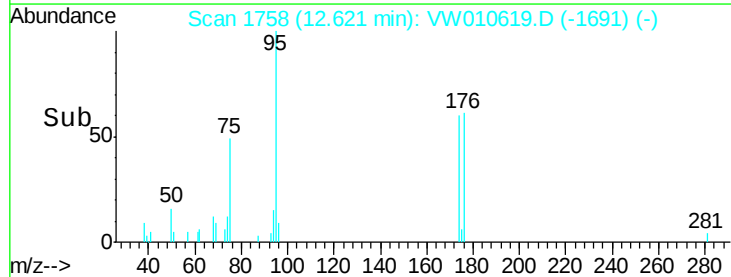
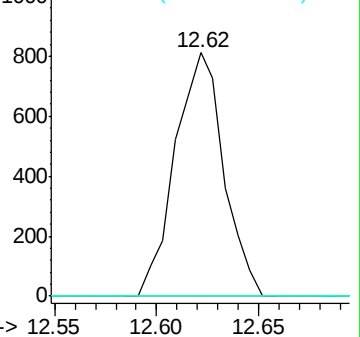
89 0.0 39.5 59.3#

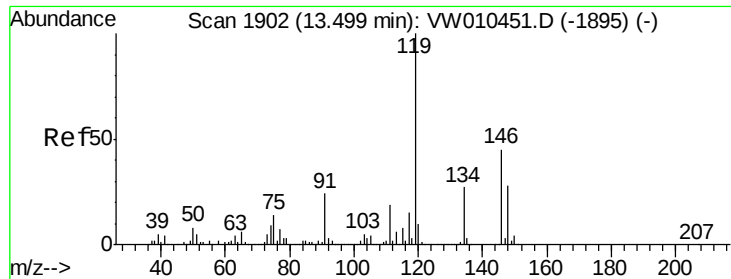


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

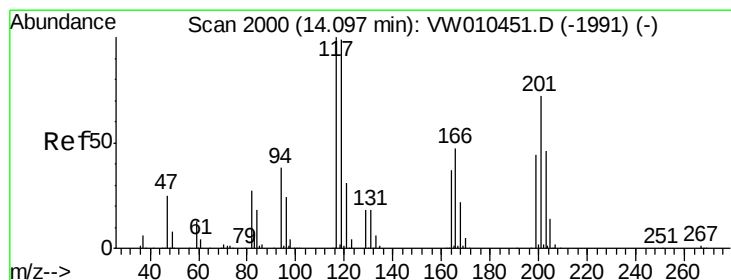
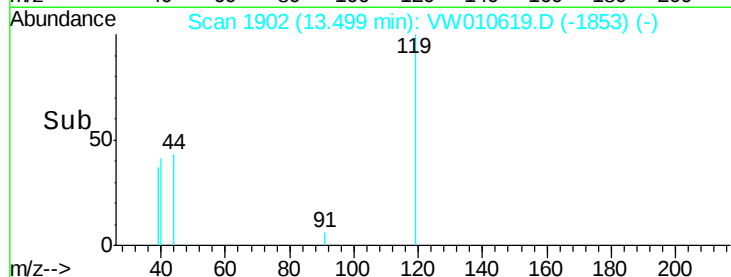
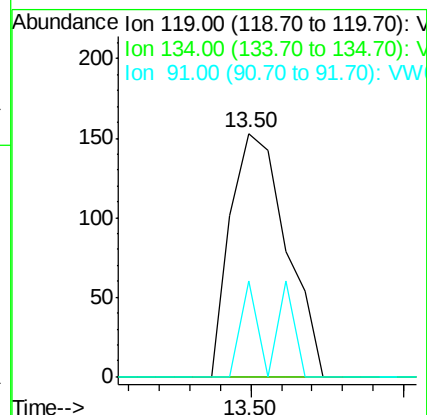
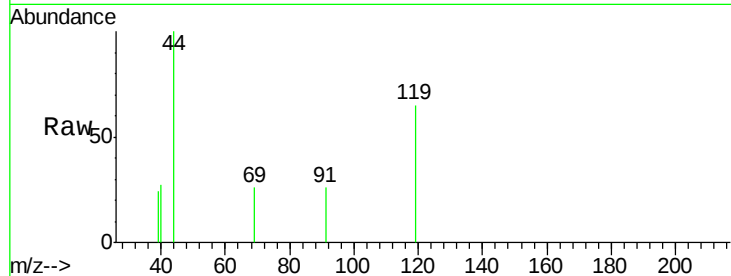




#86
p-Isopropyltoluene
Concen: 1.785 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW010619.D
Acq: 30 May 2019 17:21

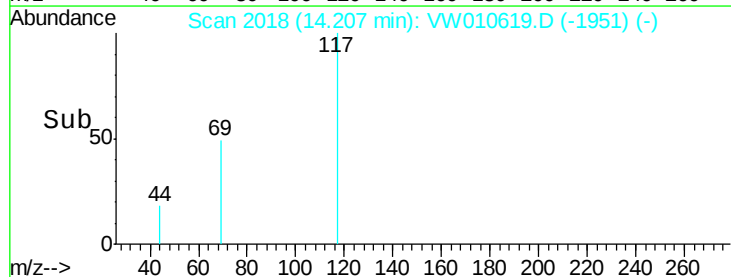
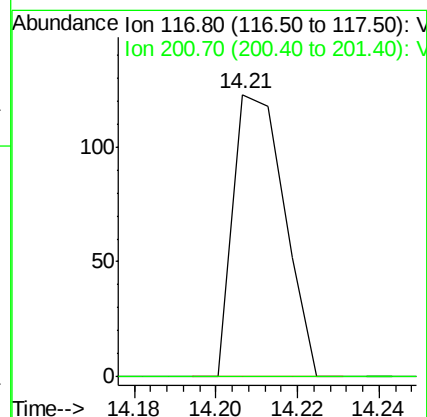
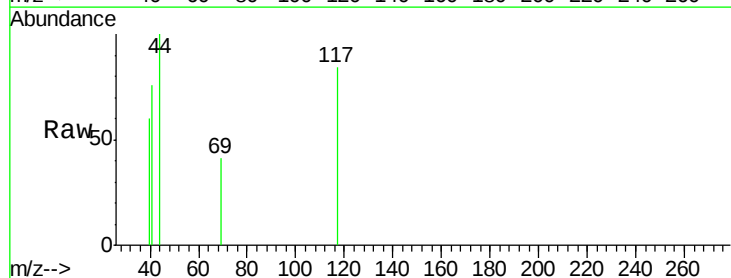
Instrument :
MSVOA_W
ClientSampleId :
0428-HR-8(HACKENSACK)

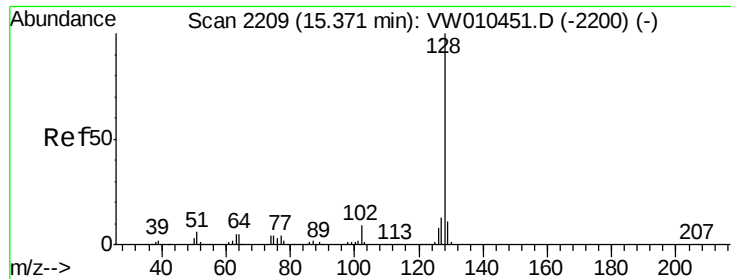
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.6	40.7#
91	22.8	11.9	35.7



#90
Hexachloroethane
Concen: 5.113 ug/l
RT: 14.21 min Scan# 2018
Delta R.T. 0.11 min
Lab File: VW010619.D
Acq: 30 May 2019 17:21

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

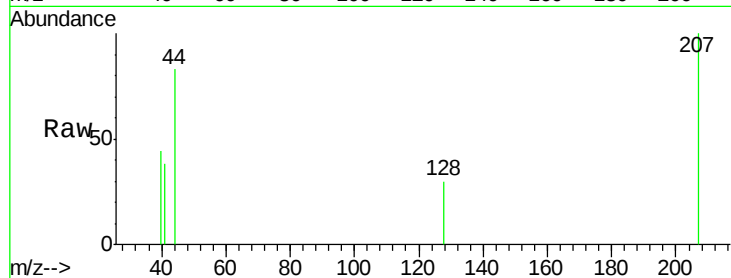




#95
 Naphthalene
 Concen: 1.092 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW010619.D
 Acq: 30 May 2019 17:21

Instrument :
 MSVOA_W
 ClientSampleId :
 0428-HR-8(HACKENSACK)

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	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

