

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014536.D
 Acq On : 06 Jan 2020 20:44
 Operator : SY/VA
 Sample : K6476-07
 Misc : 9.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-21-23

Quant Time: Jan 07 02:44:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

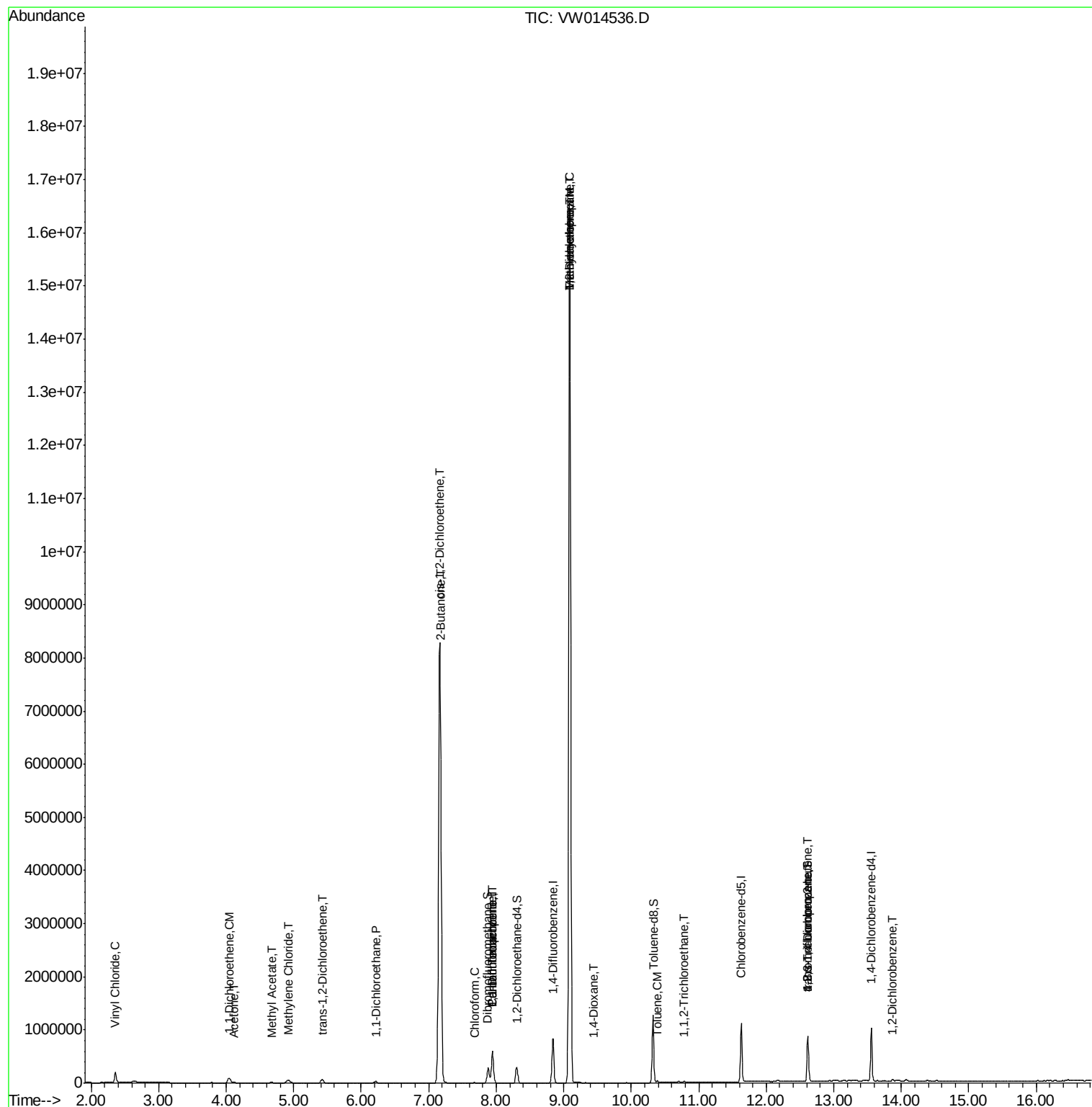
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	491099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	741715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	639009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	282048	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	229660	53.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.98%	
35) Dibromofluoromethane	7.88	113	214990	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
50) Toluene-d8	10.32	98	867894	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.62	95	282006	47.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.00%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.36	62	205911	41.248	ug/l	99
11) Tert butyl alcohol	5.15	59	852	Below Cal	#	80
12) 1,1-Dichloroethene	4.04	96	64402	13.178	ug/l	98
16) Acetone	4.12	43	20122	16.597	ug/l	97
18) Methyl Acetate	4.67	43	27765	9.482	ug/l	99
20) Methylene Chloride	4.92	84	56644	7.732	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	41120	7.924	ug/l	97
24) 1,1-Dichloroethane	6.21	63	40290	4.569	ug/l	98
25) 2-Butanone	7.18	43	4594	2.953	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	5266844	965.913	ug/l	93
30) Chloroform	7.67	83	8858	1.074	ug/l #	79
36) 1,1-Dichloropropene	7.95	75	33927	4.745	ug/l #	49
38) Carbon Tetrachloride	7.95	117	44027	7.097	ug/l #	15
39) Methylcyclohexane	9.09	83	70367	7.668	ug/l #	1
44) Trichloroethene	9.09	130	6327723	1155.871	ug/l	98
45) 1,2-Dichloropropane	9.09	63	14513	2.923	ug/l #	1
49) 1,4-Dioxane	9.45	88	66	1.440	ug/l #	1
52) Toluene	10.38	92	14707	1.156	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	8379	2.341	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	133933	50.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	133933	111.901	ug/l #	14
91) 1,2-Dichlorobenzene	13.87	146	10602	1.291	ug/l	94

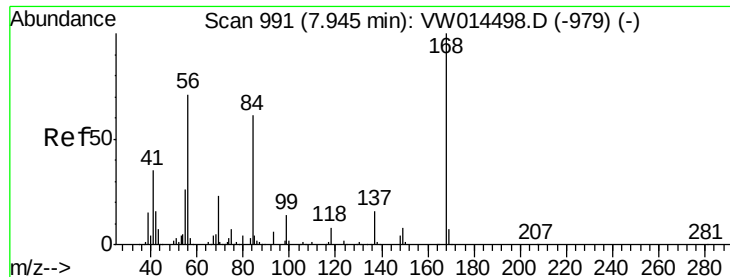
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

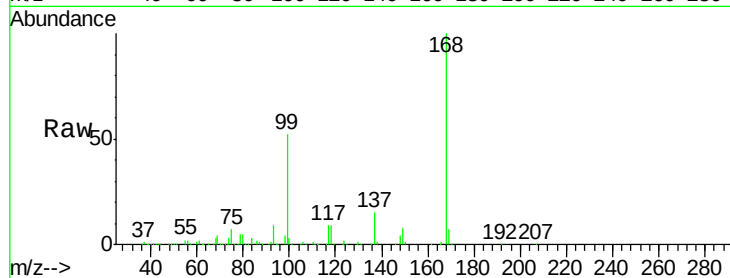
WP022SB455_191227-21-23

Tgt Ion:168 Resp: 491099

Ion Ratio Lower Upper

168 100

99 52.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

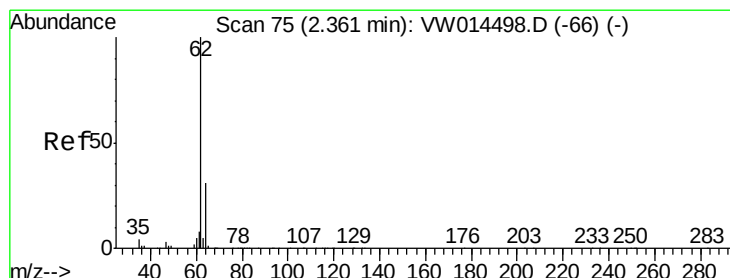
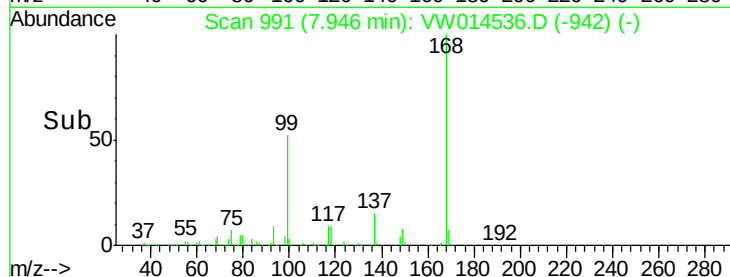
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#4

Vinyl Chloride

Concen: 41.248 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014536.D

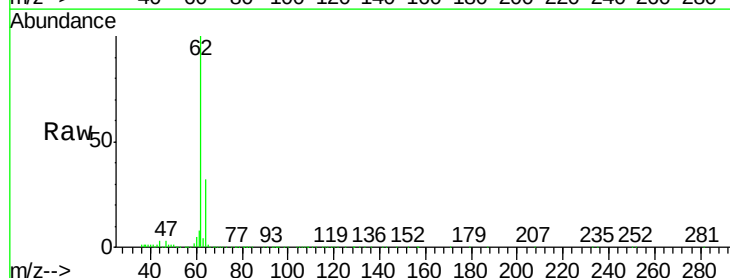
Acq: 06 Jan 2020 20:44

Tgt Ion: 62 Resp: 205911

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

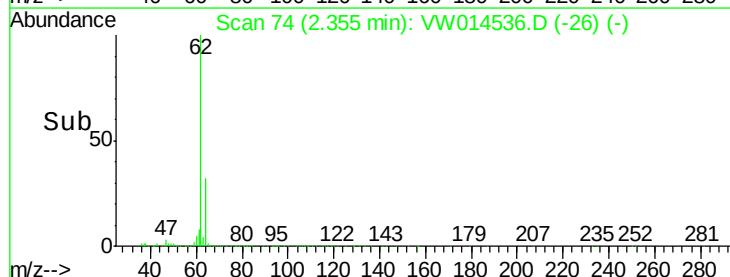
2.36

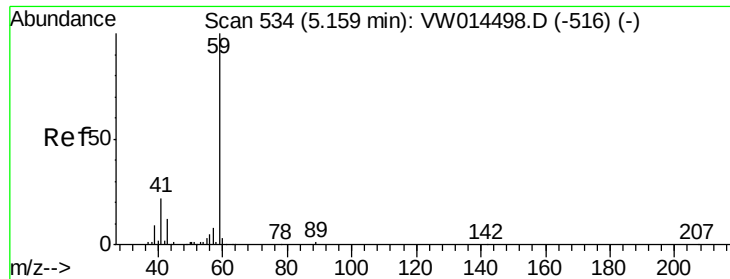
100000

50000

0

Time--> 2.30 2.40

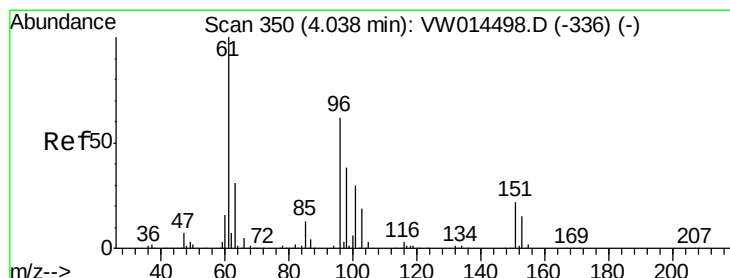
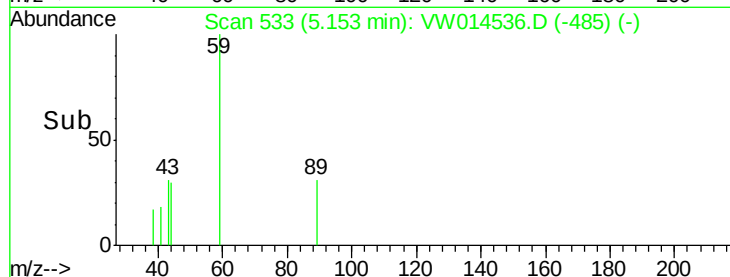
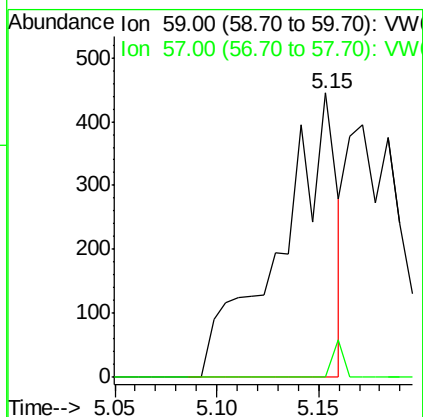
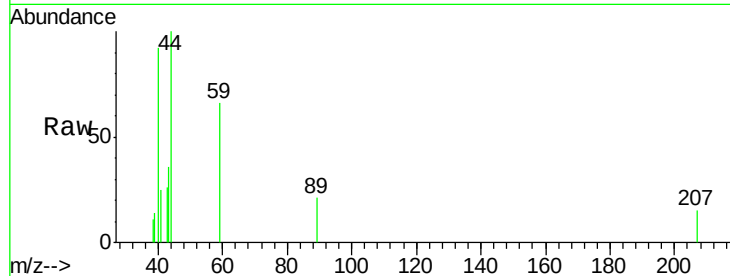




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

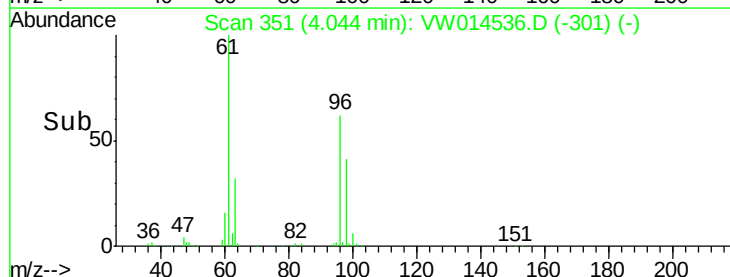
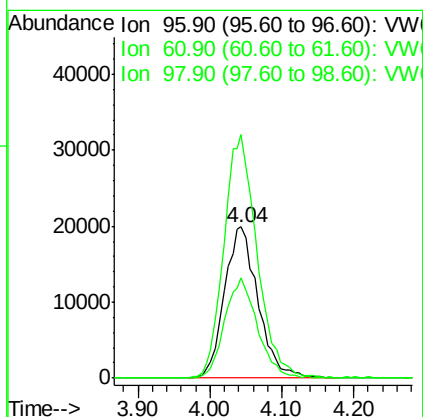
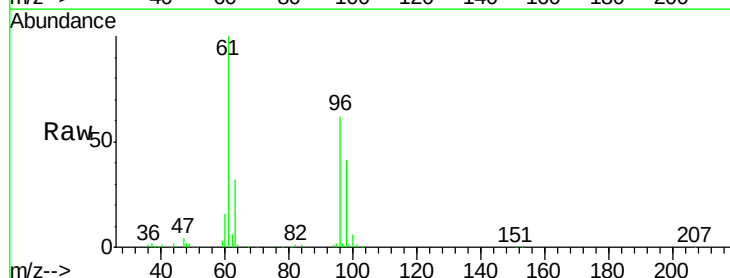
Instrument :
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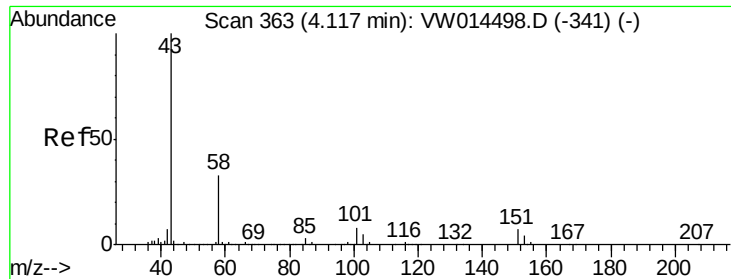
Tgt Ion: 59 Resp: 852
Ion Ratio Lower Upper
59 100
57 2.5 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 13.178 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

Tgt Ion: 96 Resp: 64402
Ion Ratio Lower Upper
96 100
61 161.4 128.4 192.6
98 66.3 49.1 73.7





#16

Acetone

Concen: 16.597 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

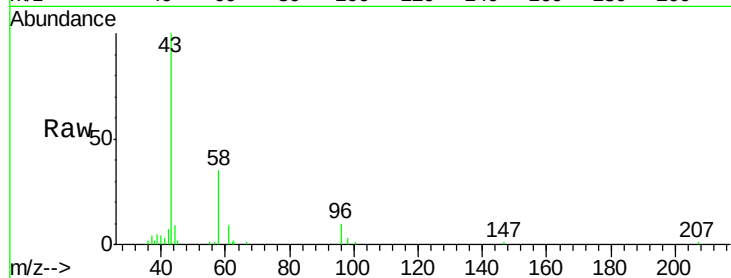
WP022SB455_191227-21-23

Tgt Ion: 43 Resp: 20122

Ion Ratio Lower Upper

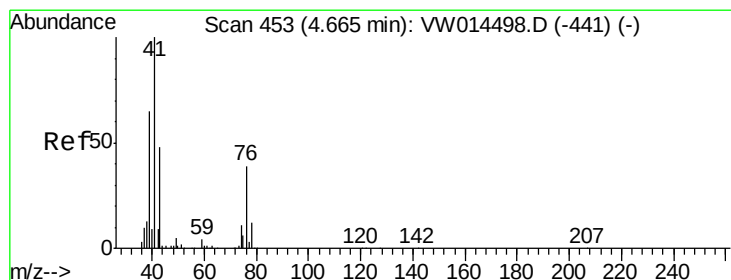
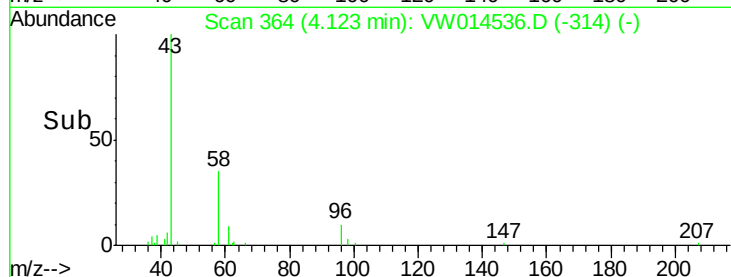
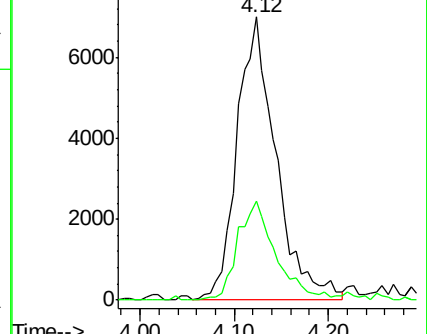
43 100

58 34.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 9.482 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014536.D

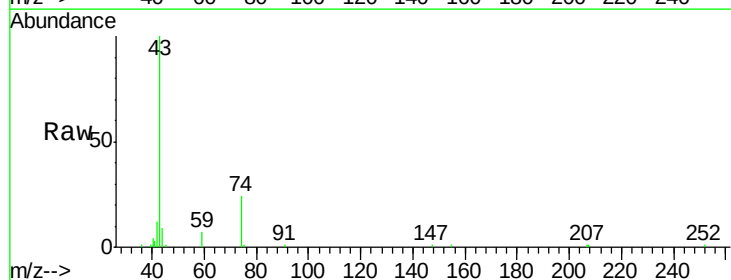
Acq: 06 Jan 2020 20:44

Tgt Ion: 43 Resp: 27765

Ion Ratio Lower Upper

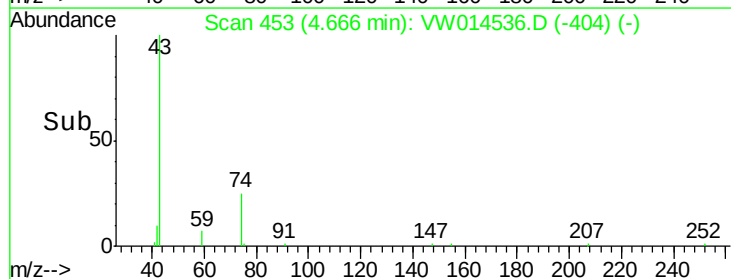
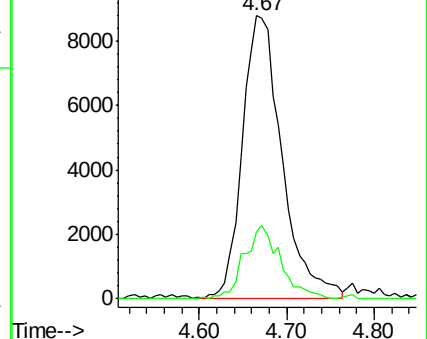
43 100

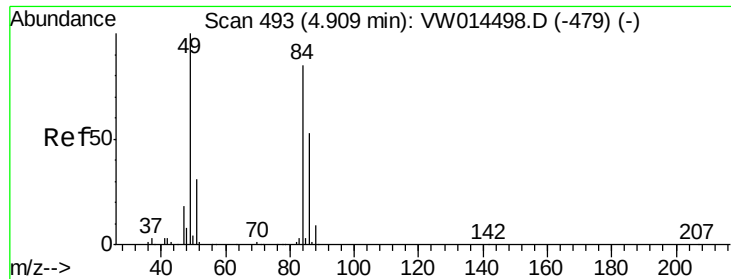
74 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

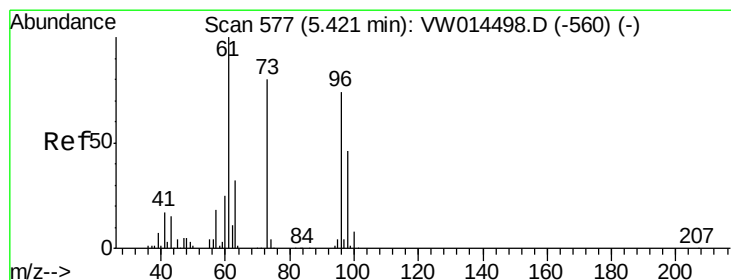
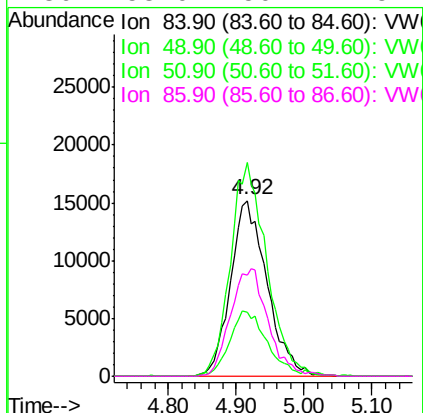
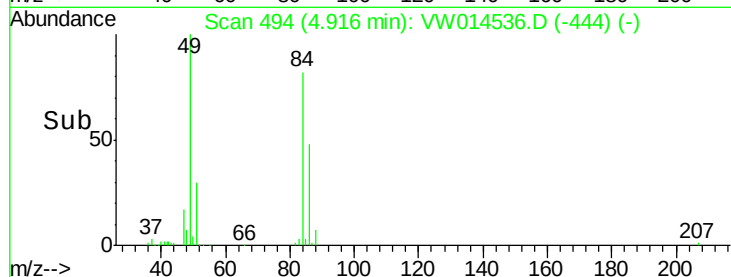
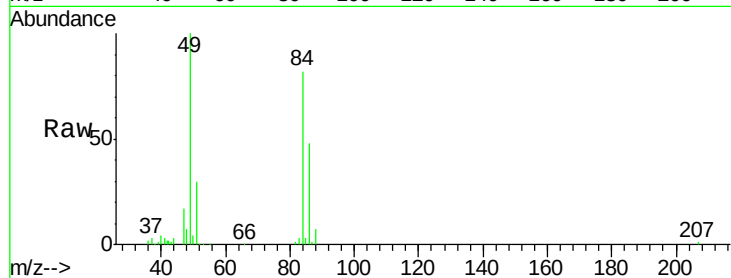




#20
Methylene Chloride
Concen: 7.732 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

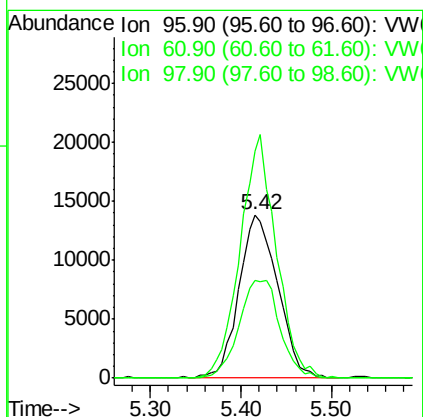
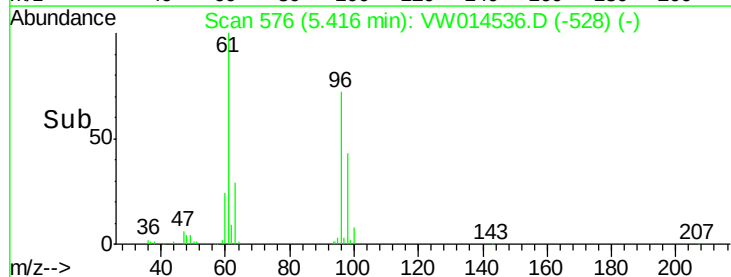
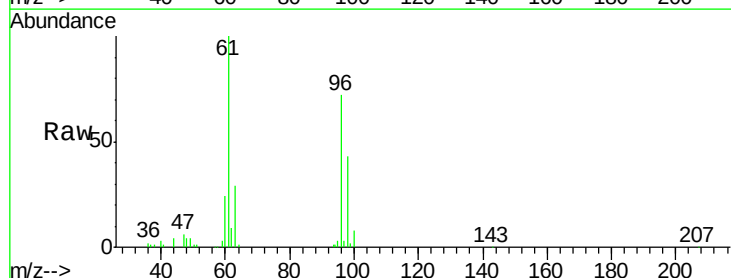
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-21-23

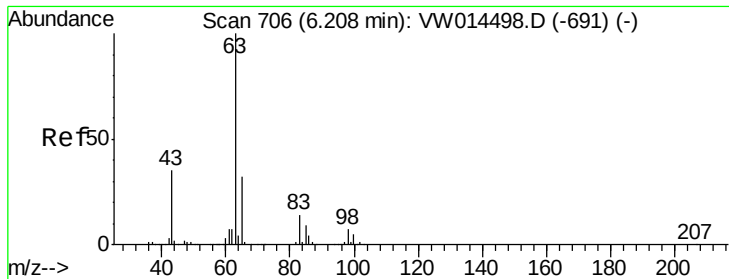
Tgt Ion:	84	Resp:	56644
Ion	Ratio	Lower	Upper
84	100		
49	121.8	94.4	141.6
51	36.8	29.5	44.3
86	58.0	50.2	75.2



#21
trans-1,2-Dichloroethene
Concen: 7.924 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

Tgt Ion:	96	Resp:	41120
Ion	Ratio	Lower	Upper
96	100		
61	139.0	107.8	161.6
98	59.7	49.4	74.0





#24

1,1-Dichloroethane

Concen: 4.569 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-21-23

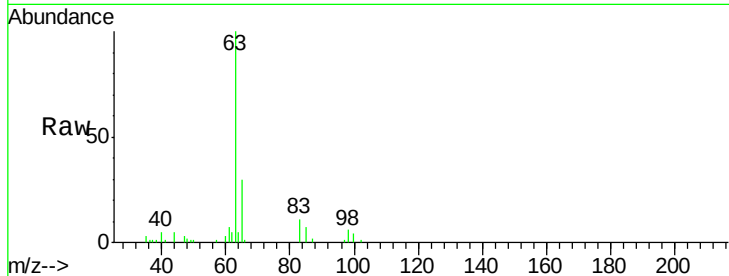
Tgt Ion: 63 Resp: 40290

Ion Ratio Lower Upper

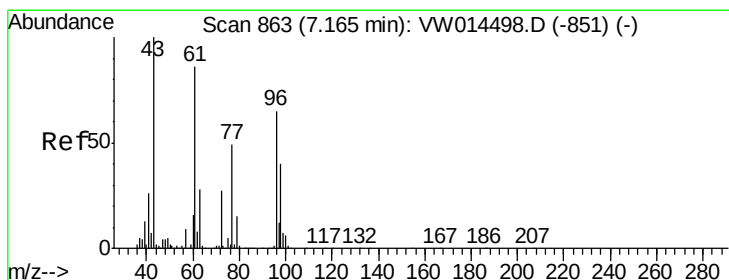
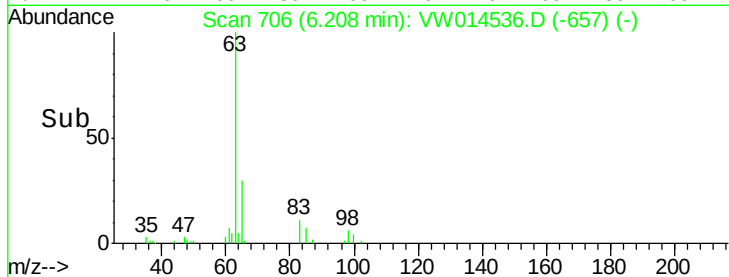
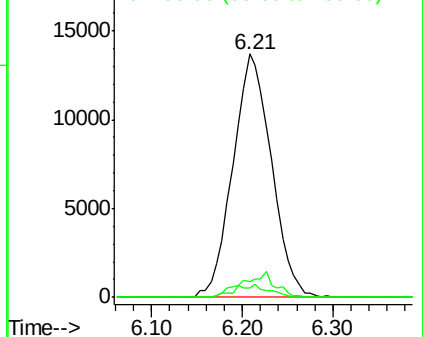
63 100

98 6.3 3.5 10.4

100 4.0 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 2.953 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014536.D

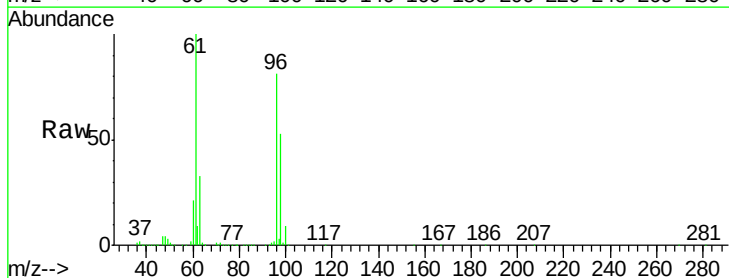
Acq: 06 Jan 2020 20:44

Tgt Ion: 43 Resp: 4594

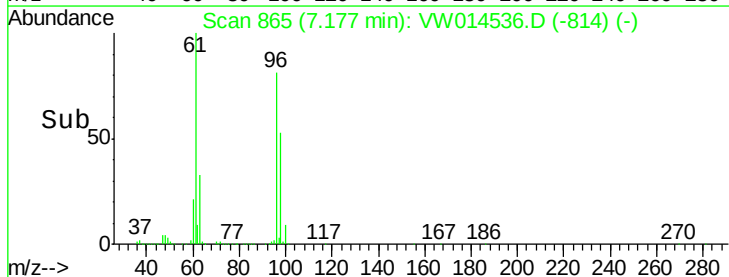
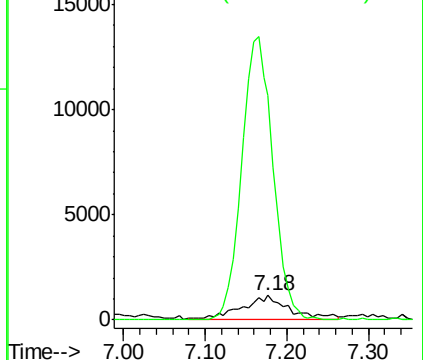
Ion Ratio Lower Upper

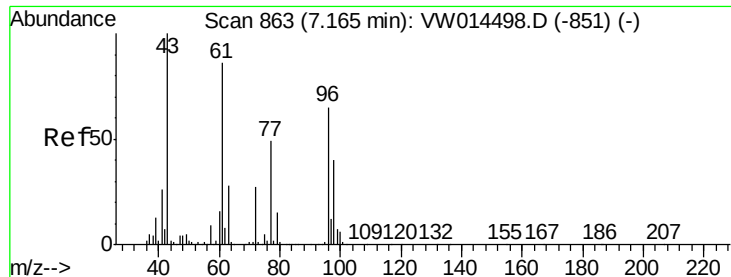
43 100

72 994.8 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



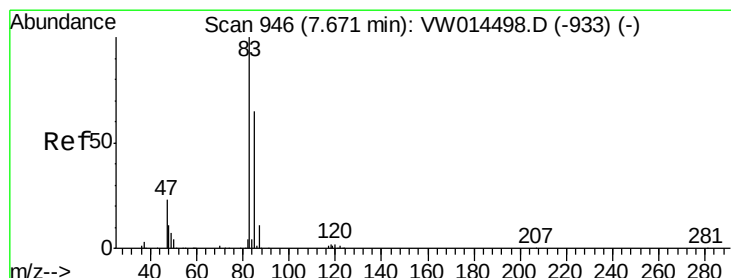
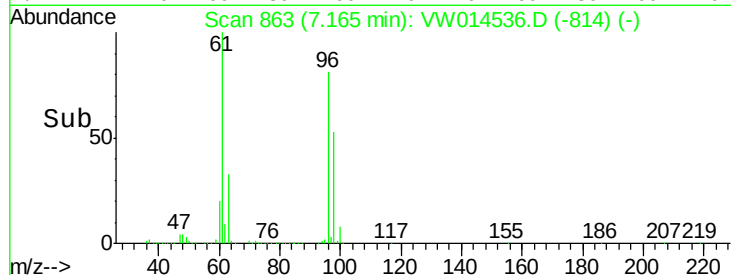
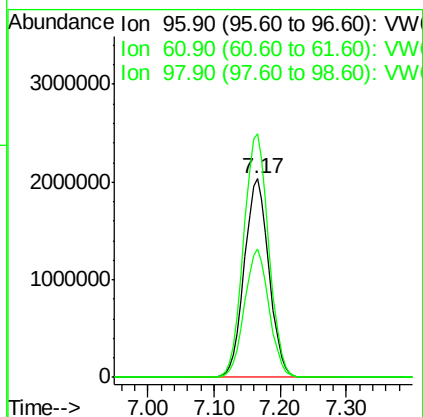
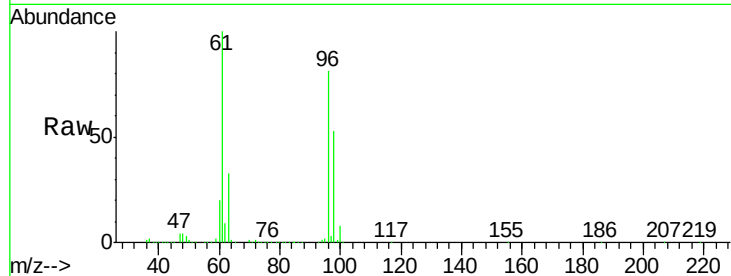


#27

cis-1,2-Dichloroethene
 Concen: 965.913 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

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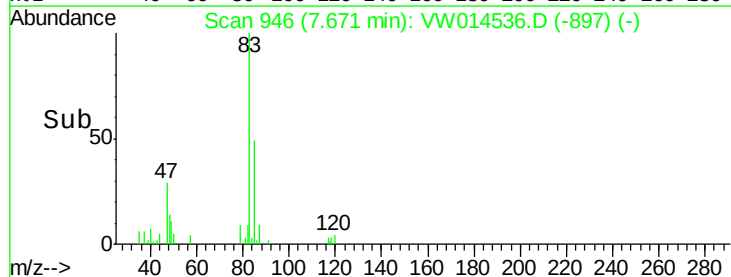
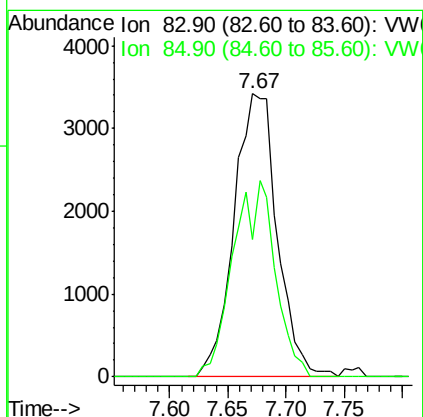
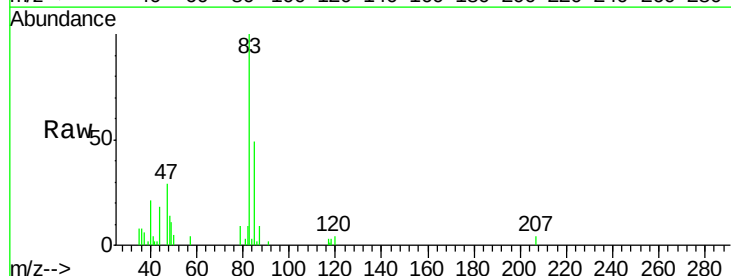
Tgt Ion: 96 Resp: 5266844
 Ion Ratio Lower Upper
 96 100
 61 125.0 0.0 274.8
 98 64.5 0.0 128.6

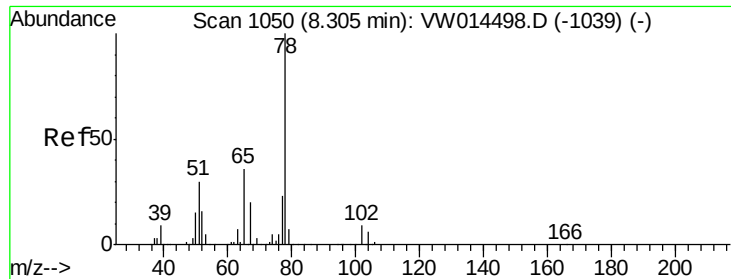


#30

Chloroform
 Concen: 1.074 ug/l
 RT: 7.67 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Tgt Ion: 83 Resp: 8858
 Ion Ratio Lower Upper
 83 100
 85 48.8 52.2 78.2#

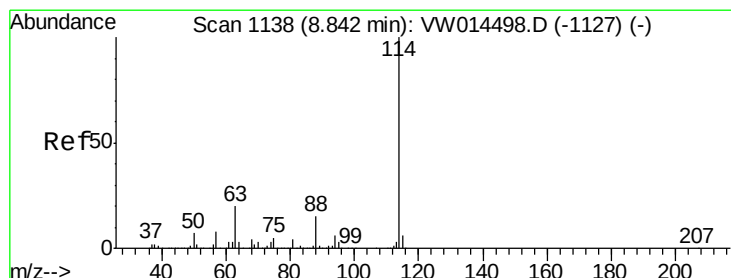
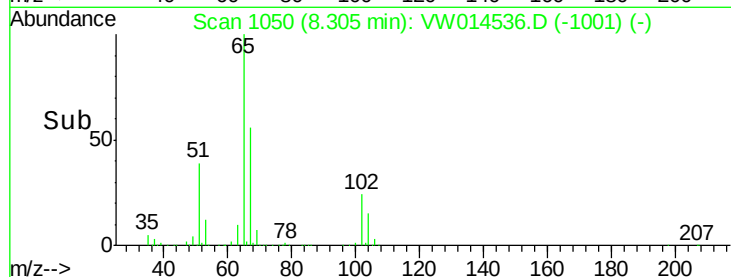
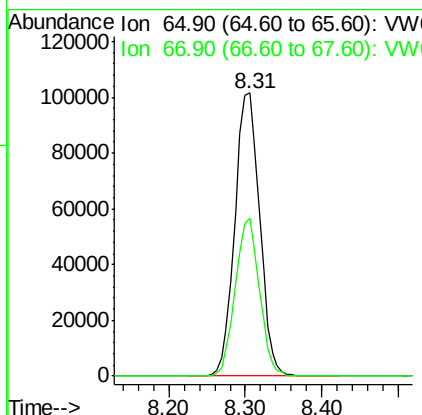
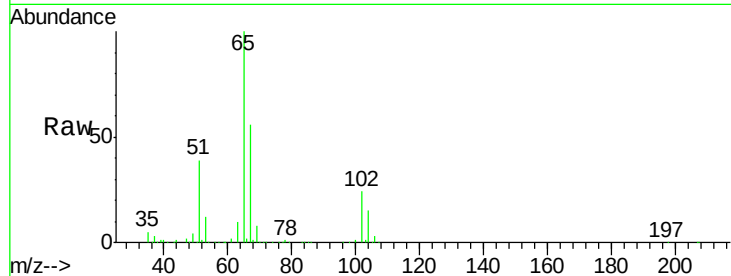




#33
 1,2-Dichloroethane-d4
 Concen: 53.487 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

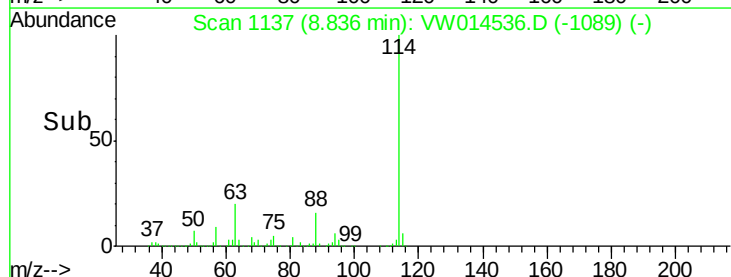
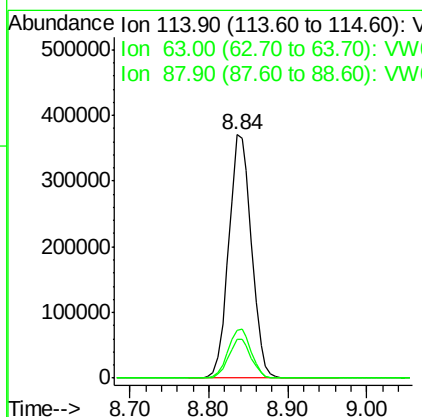
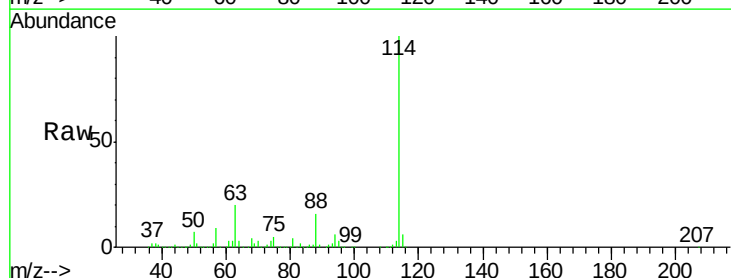
Instrument :
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 WP022SB455_191227-21-23

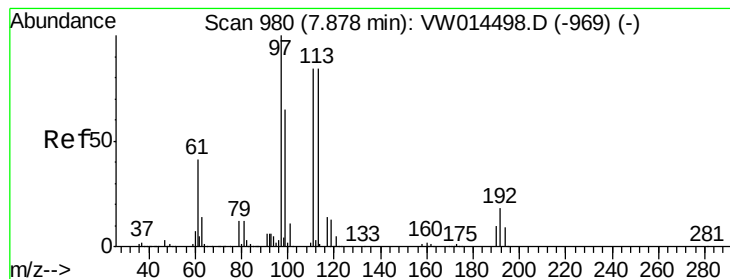
Tgt Ion: 65 Resp: 229660
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Tgt Ion: 114 Resp: 741715
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.4
 88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.717 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-21-23

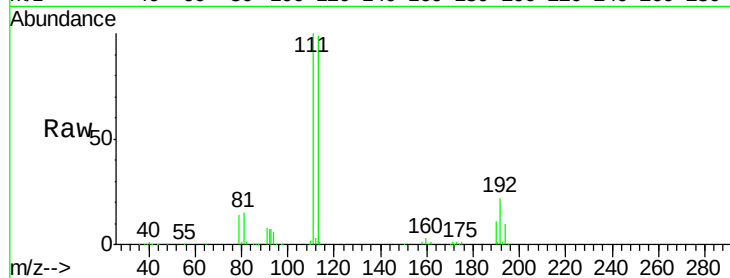
Tgt Ion:113 Resp: 214990

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

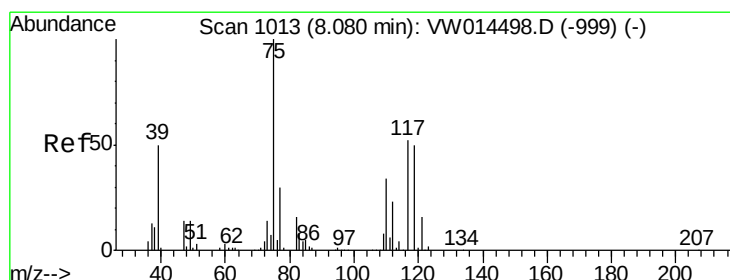
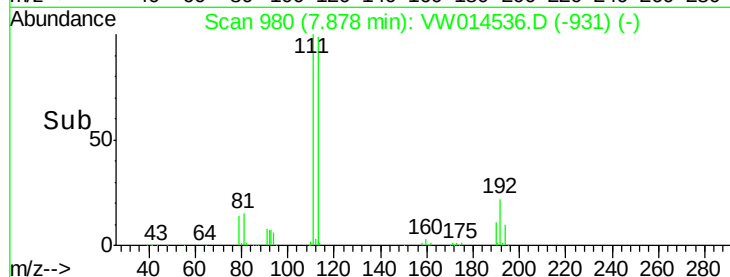
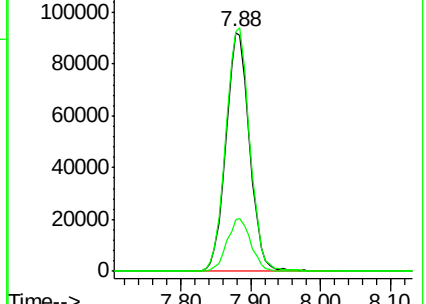
192 22.3 17.8 26.8



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: 4.745 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

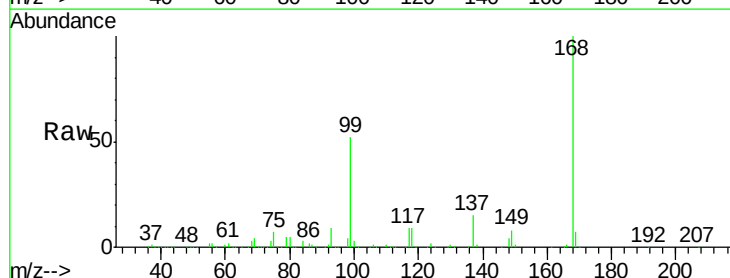
Tgt Ion: 75 Resp: 33927

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.5#

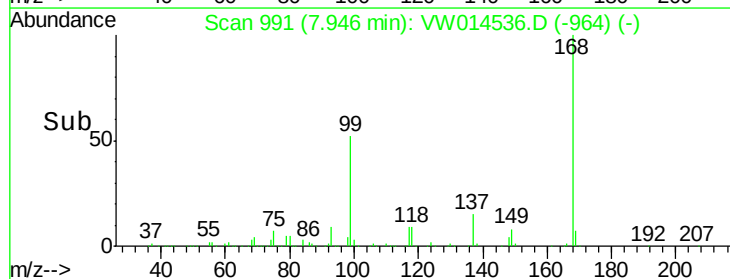
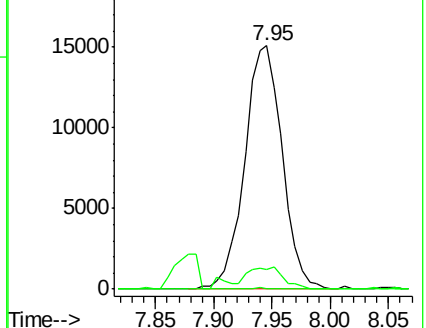
77 0.2 24.7 37.1#

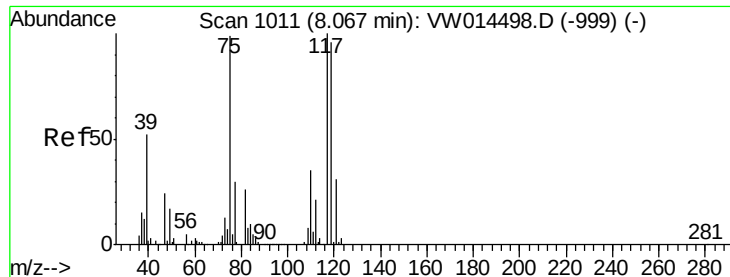


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.097 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-21-23

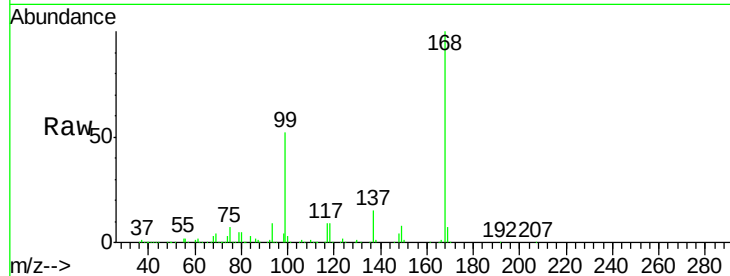
Tgt Ion:117 Resp: 44027

Ion Ratio Lower Upper

117 100

119 4.2 77.0 115.6#

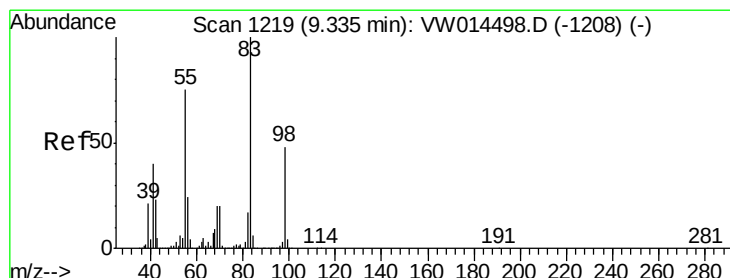
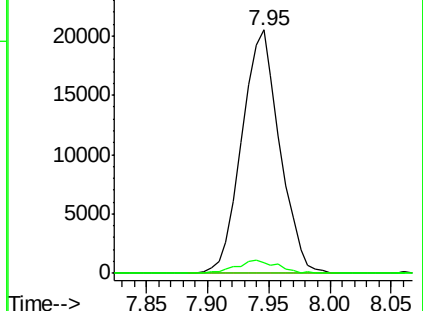
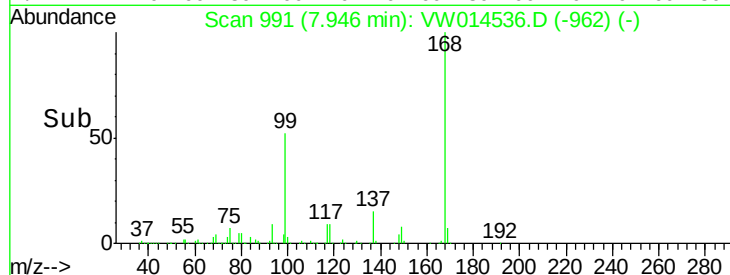
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 7.668 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.25 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

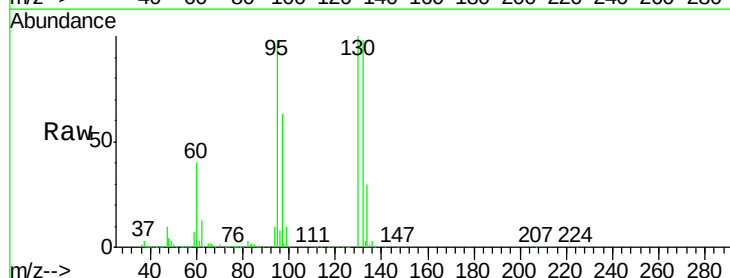
Tgt Ion: 83 Resp: 70367

Ion Ratio Lower Upper

83 100

55 0.3 60.1 90.1#

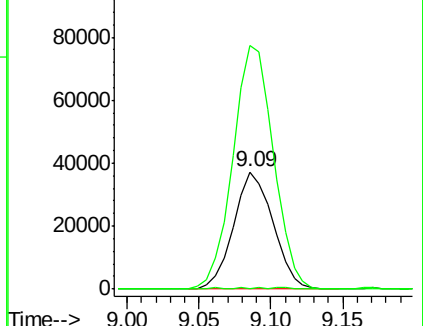
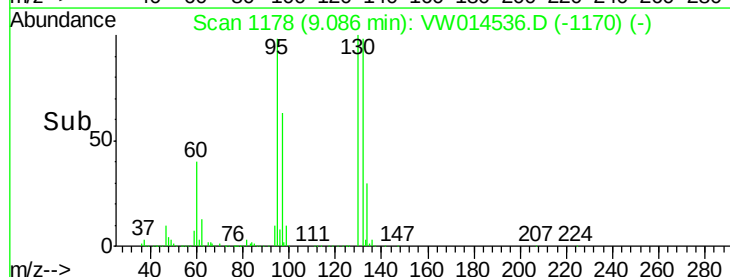
98 209.5 38.8 58.2#

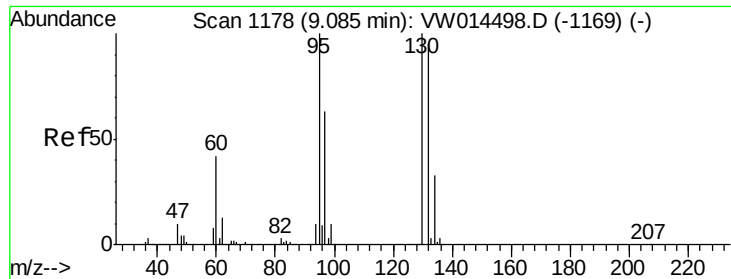


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#44

Trichloroethene

Concen: 1155.871 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

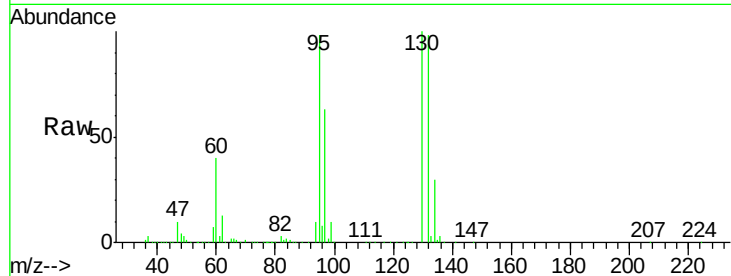
WP022SB455_191227-21-23

Tgt Ion:130 Resp: 6327723

Ion Ratio Lower Upper

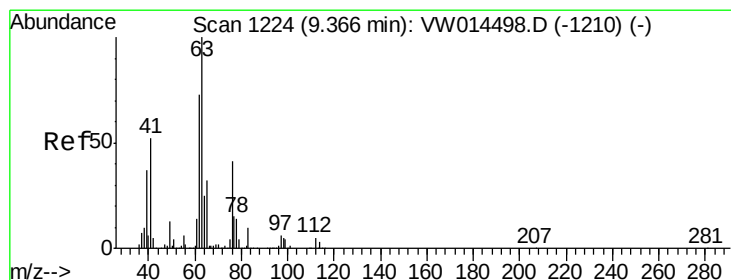
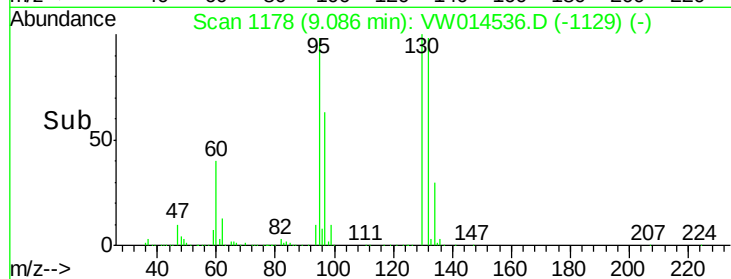
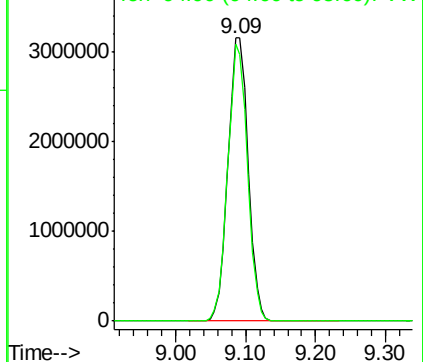
130 100

95 97.7 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 2.923 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.28 min

Lab File: VW014536.D

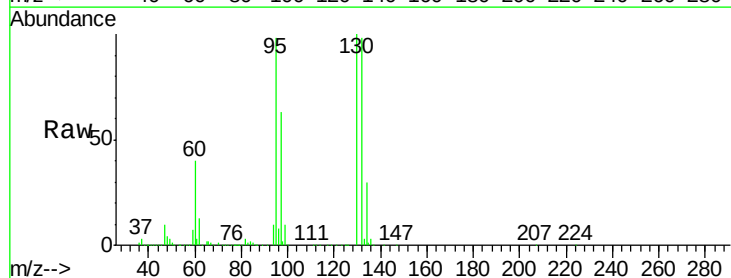
Acq: 06 Jan 2020 20:44

Tgt Ion: 63 Resp: 14513

Ion Ratio Lower Upper

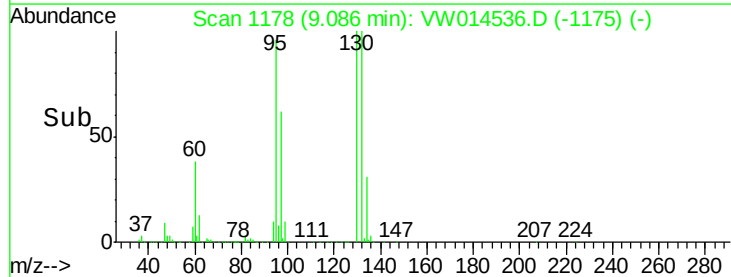
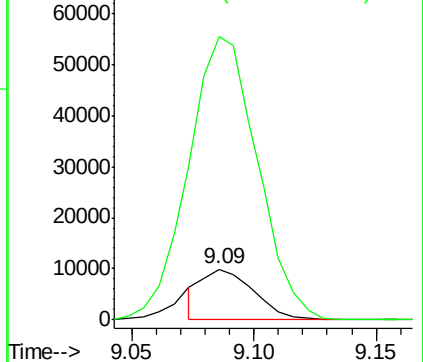
63 100

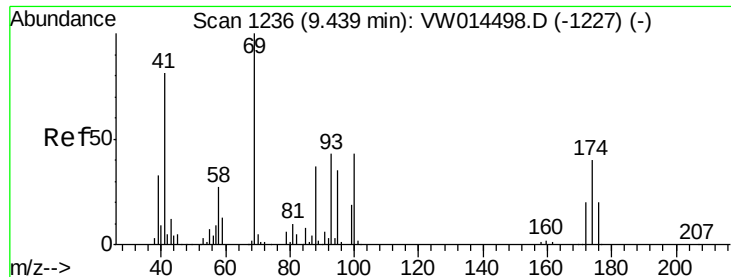
65 553.5 25.6 38.4#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

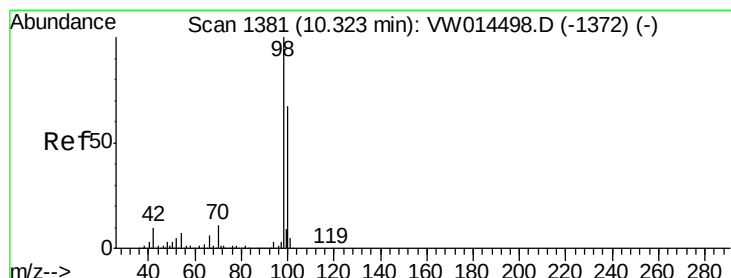
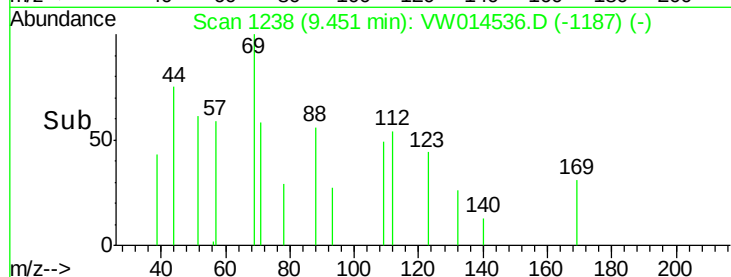
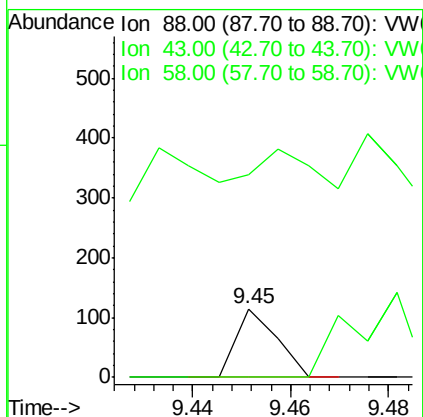
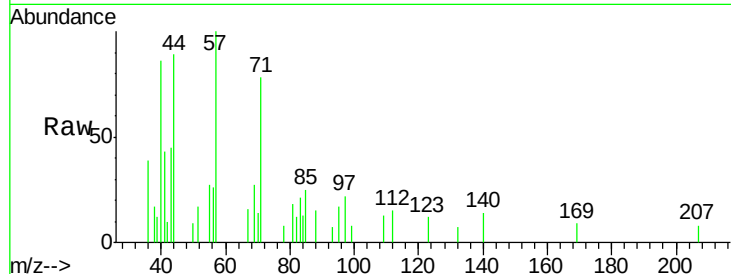




#49
1,4-Dioxane
Concen: 1.440 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

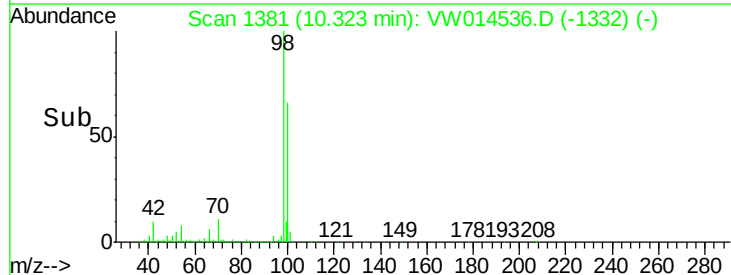
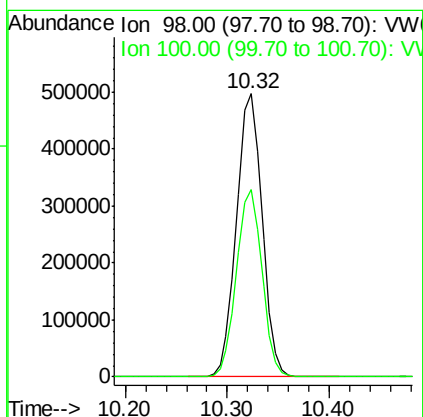
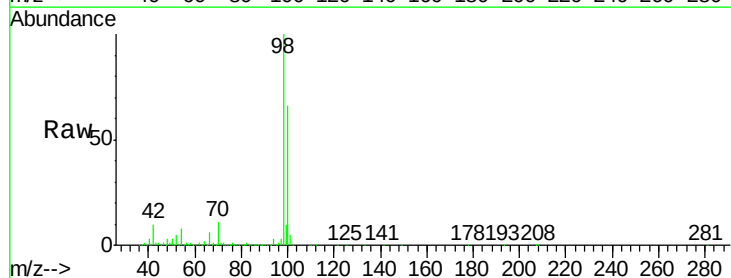
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-21-23

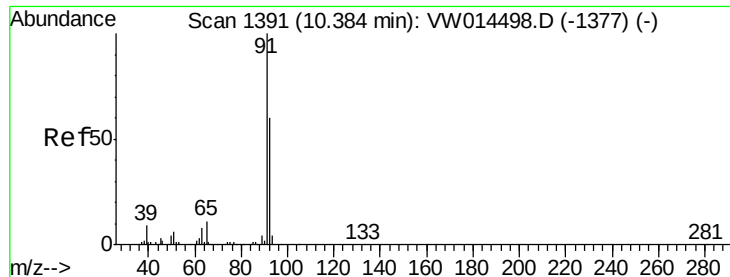
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 119.7 24.9 37.3#
58 0.0 56.9 85.3#



#50
Toluene-d8
Concen: 49.060 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

Tgt Ion: 98 Resp: 867894
Ion Ratio Lower Upper
98 100
100 65.7 53.8 80.6





#52

Toluene

Concen: 1.156 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Instrument :

MSVOA_W

ClientSampleId :

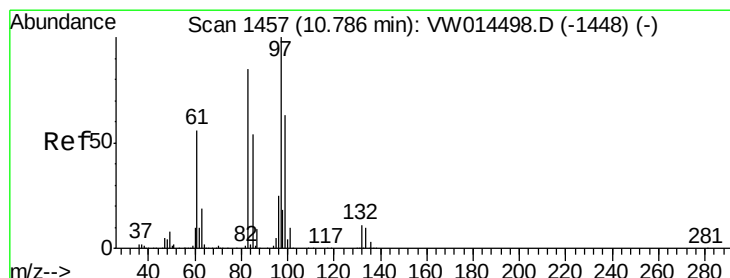
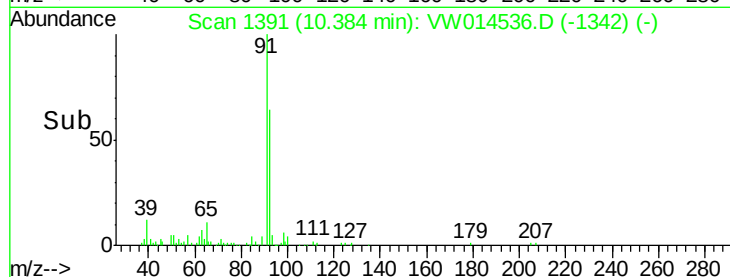
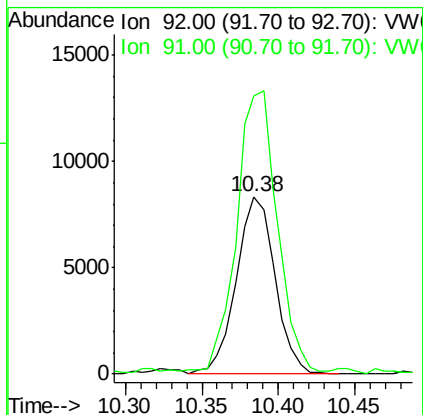
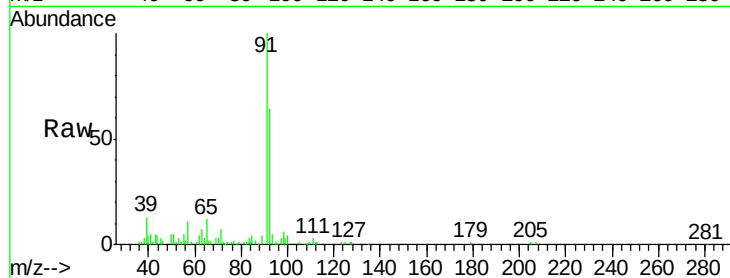
WP022SB455_191227-21-23

Tgt Ion: 92 Resp: 14707

Ion Ratio Lower Upper

92 100

91 163.2 134.1 201.1



#55

1,1,2-Trichloroethane

Concen: 2.341 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014536.D

Acq: 06 Jan 2020 20:44

Tgt Ion: 97 Resp: 8379

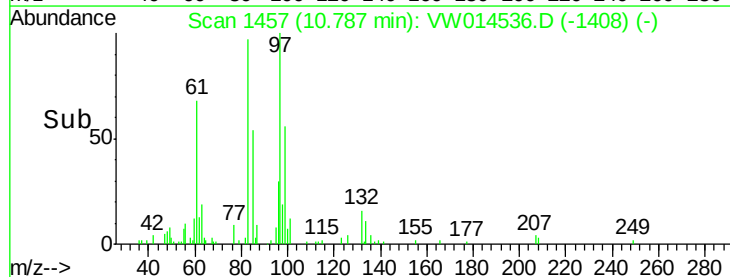
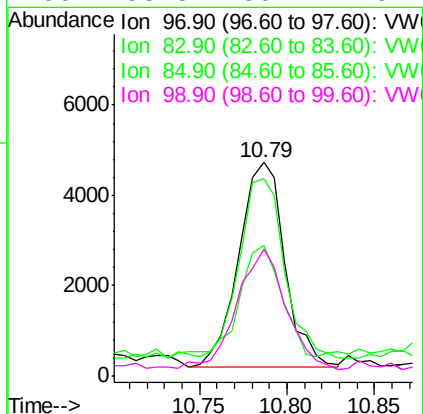
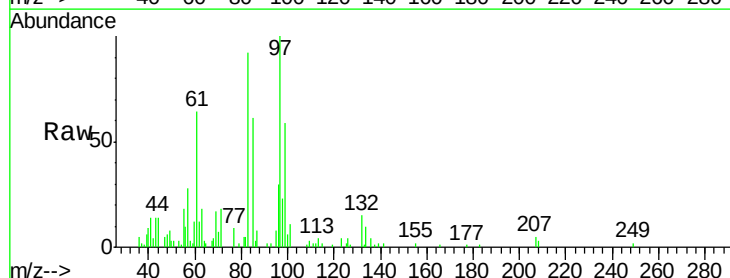
Ion Ratio Lower Upper

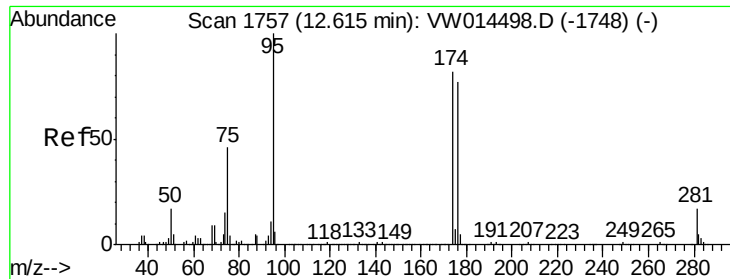
97 100

83 87.2 68.2 102.4

85 53.2 43.0 64.4

99 58.3 50.1 75.1

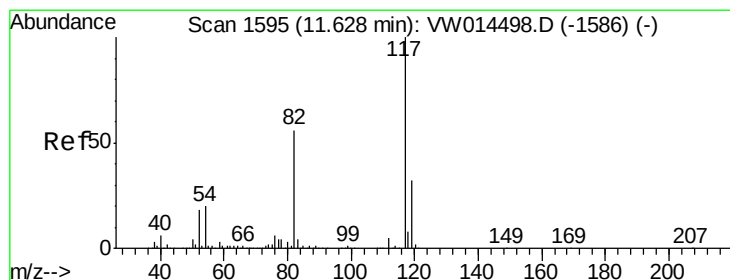
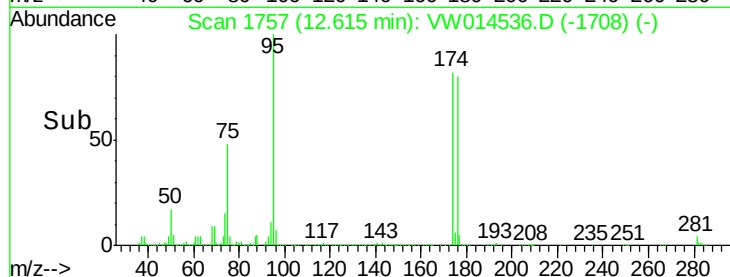
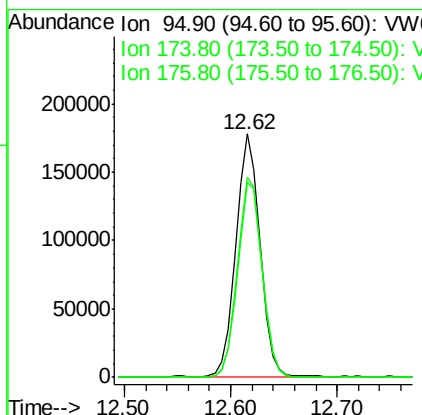
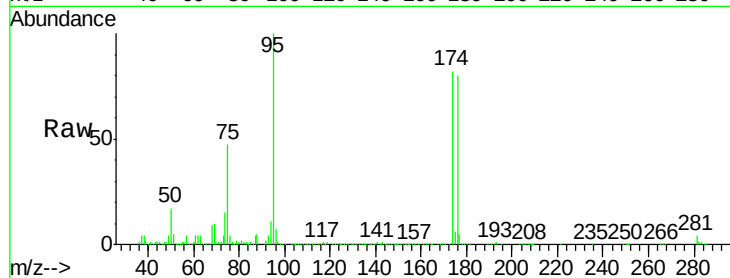




#62
4-Bromofluorobenzene
Concen: 46.998 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

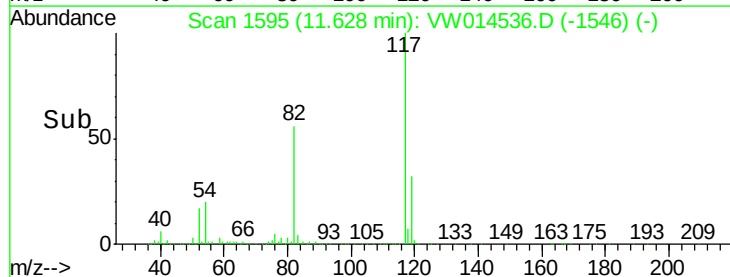
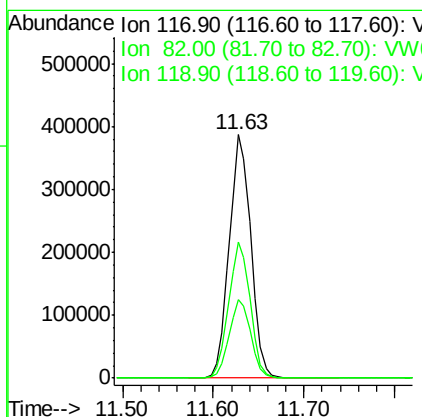
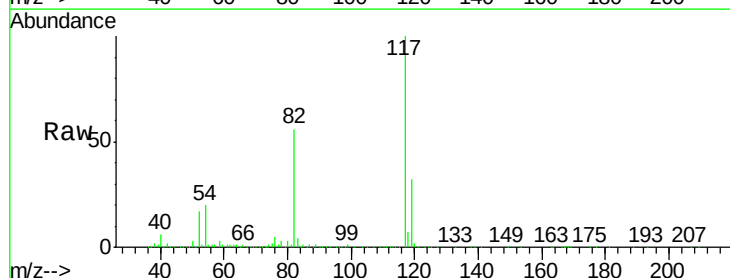
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-21-23

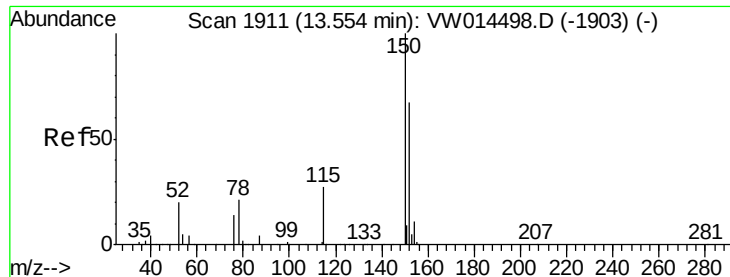
Tgt Ion: 95 Resp: 282006
Ion Ratio Lower Upper
95 100
174 84.9 0.0 168.6
176 81.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

Tgt Ion: 117 Resp: 639009
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 32.4 25.7 38.5

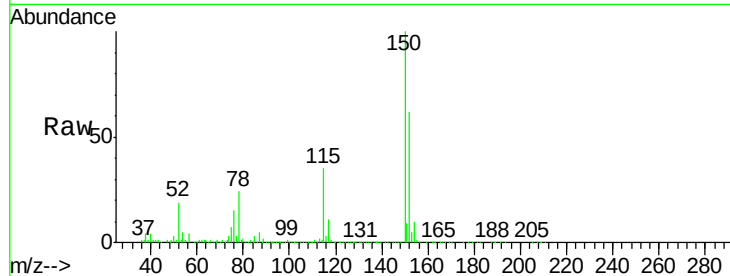




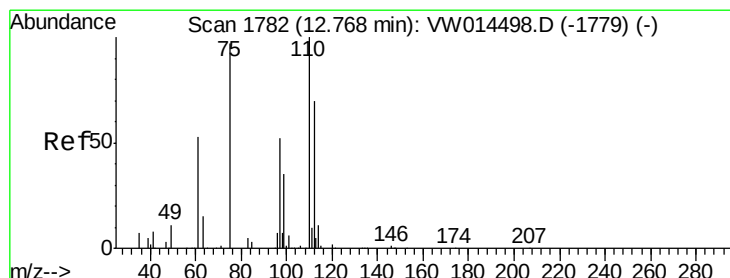
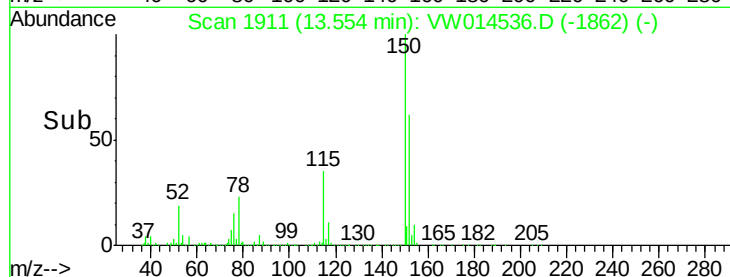
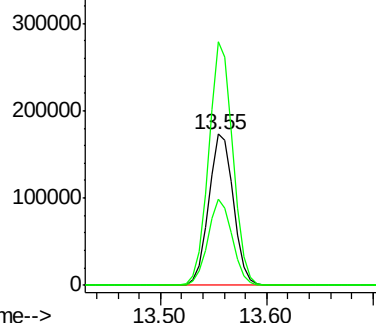
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-21-23

Tgt Ion:152 Resp: 282048
 Ion Ratio Lower Upper
 152 100
 115 56.1 27.7 83.1
 150 157.1 0.0 343.4

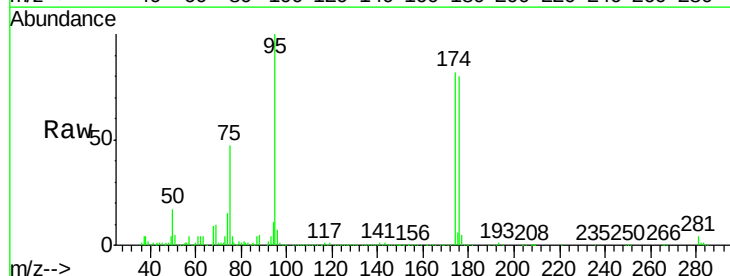


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

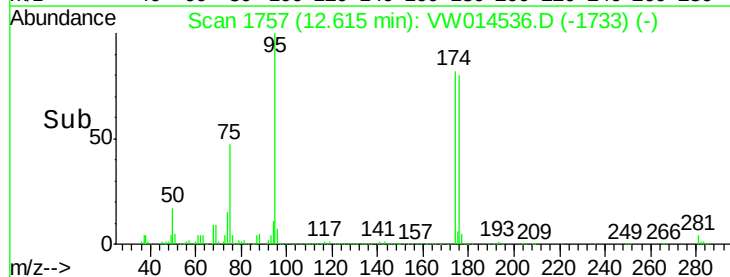
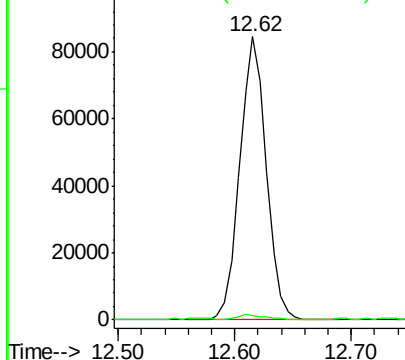


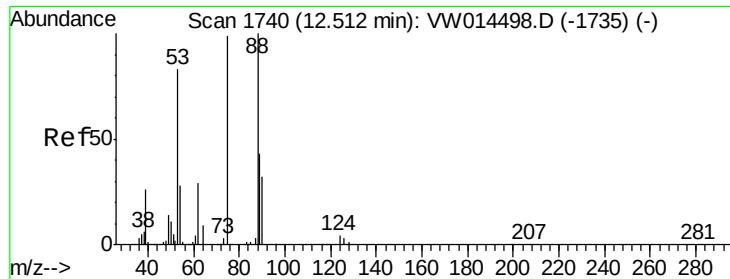
#76
 1,2,3-Trichloropropane
 Concen: 50.224 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014536.D
 Acq: 06 Jan 2020 20:44

Tgt Ion: 75 Resp: 133933
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW

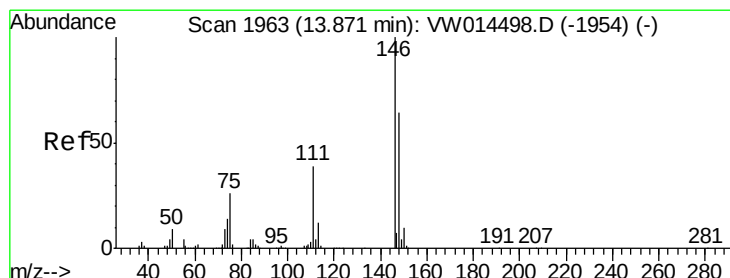
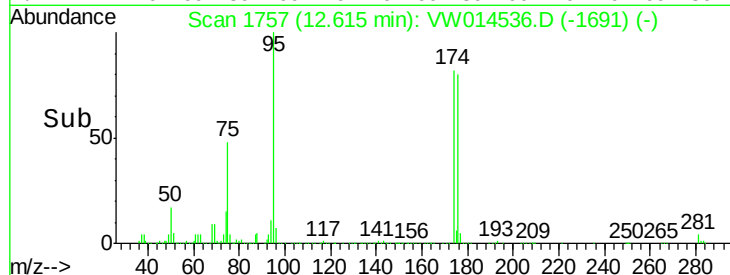
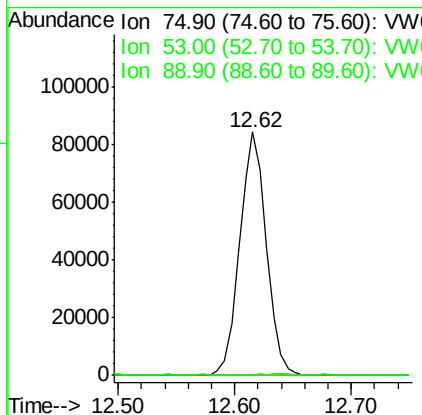
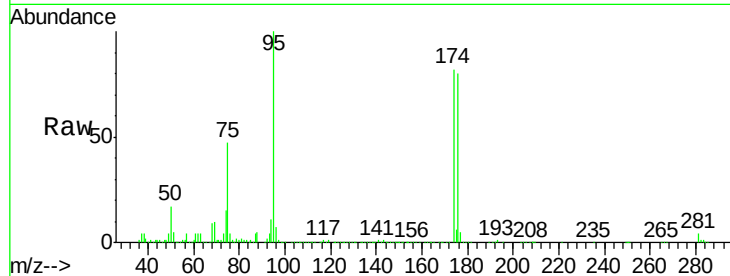




#81
trans-1,4-Dichloro-2-butene
Concen: 111.901 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-21-23

Tgt Ion: 75 Resp: 133933
Ion Ratio Lower Upper
75 100
53 0.3 70.9 106.3#
89 0.0 35.8 53.8#



#91
1,2-Dichlorobenzene
Concen: 1.291 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW014536.D
Acq: 06 Jan 2020 20:44

Tgt Ion: 146 Resp: 10602
Ion Ratio Lower Upper
146 100
111 44.2 20.4 61.3
148 59.6 32.3 96.8

