

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121919\
 Data File : VY001007.D
 Acq On : 19 Dec 2019 11:54
 Operator : SY/MD
 Sample : VY1219SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1219SBL01

Quant Time: Dec 20 03:47:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	245359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	452766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	403424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	174345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	137552	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	7.72	113	131917	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.17	98	532039	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.48	95	177873	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	

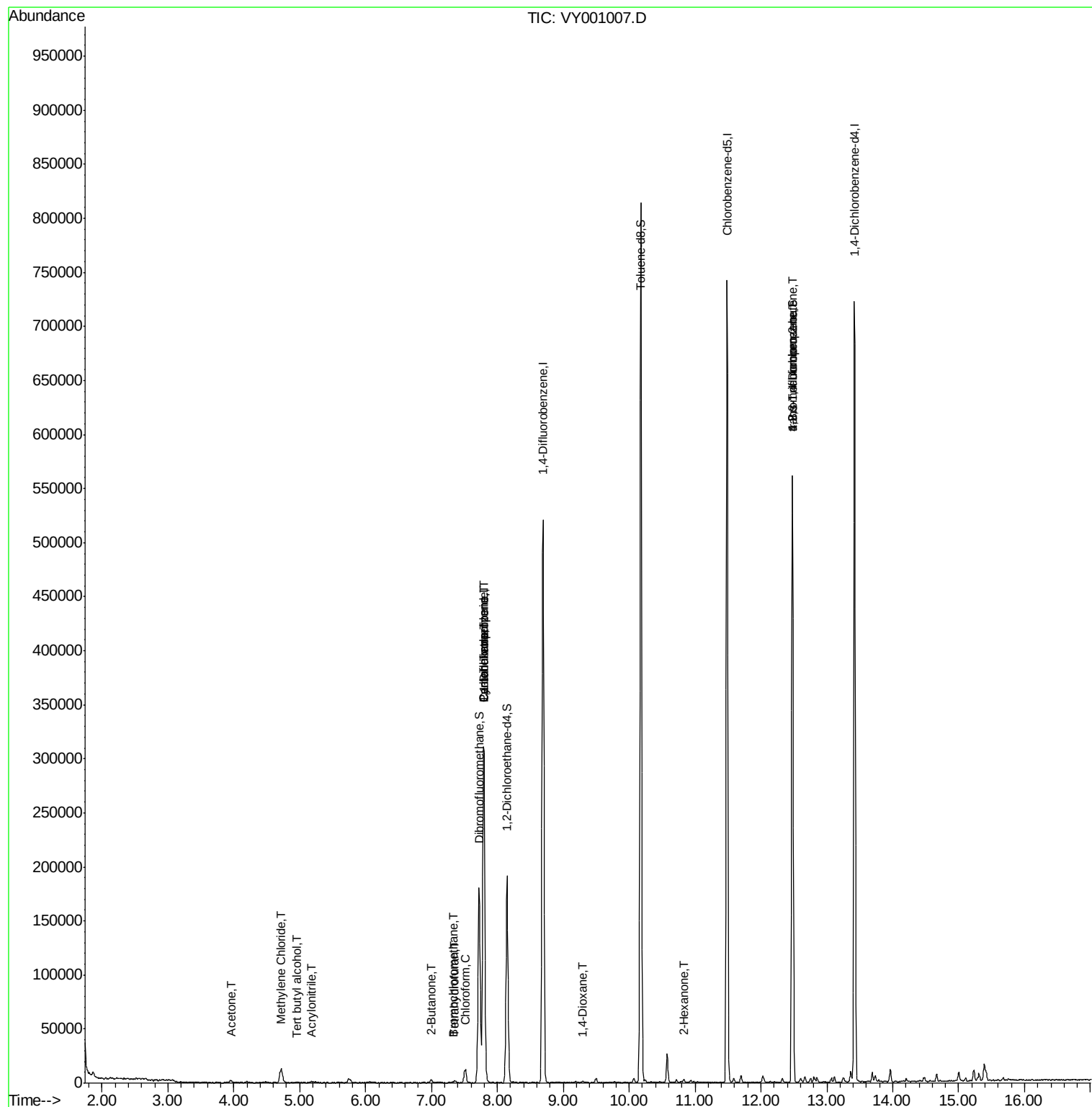
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	158	Below Cal	#	3
11) Tert butyl alcohol	4.95	59	491	1.872	ug/l #	74
15) Acrylonitrile	5.18	53	1305	1.527	ug/l #	89
16) Acetone	3.96	43	3363	5.623	ug/l #	79
20) Methylene Chloride	4.72	84	9431	2.992	ug/l	93
25) 2-Butanone	7.00	43	1128	1.021	ug/l	93
28) Bromochloromethane	7.33	49	187	2.109	ug/l #	71
29) Tetrahydrofuran	7.35	42	1114	1.522	ug/l #	82
30) Chloroform	7.52	83	11809	2.253	ug/l	94
31) Cyclohexane	7.78	56	5871	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	19962	4.434	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23320	5.817	ug/l #	14
49) 1,4-Dioxane	9.29	88	222	9.104	ug/l #	66
59) 2-Hexanone	10.83	43	2367	1.283	ug/l	83
76) 1,2,3-Trichloropropane	12.48	75	87415	44.254	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87415	86.927	ug/l #	17

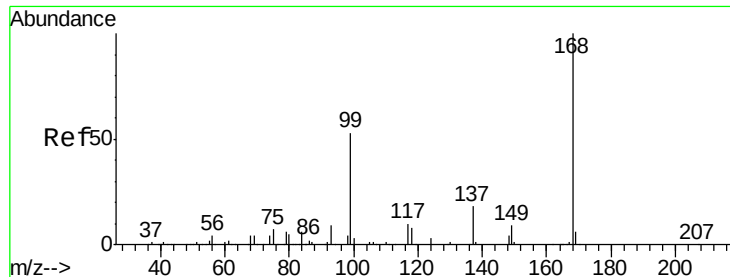
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001007.D

Acq: 19 Dec 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

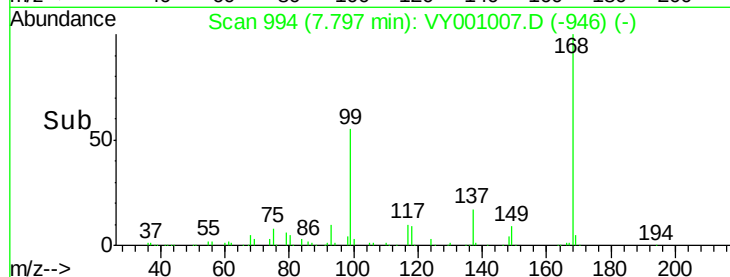
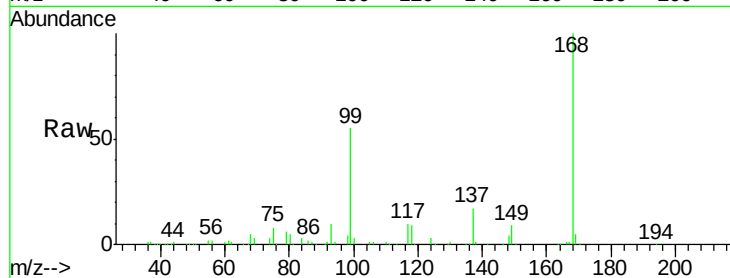
VY1219SBL01

Tgt Ion: 168 Resp: 245359

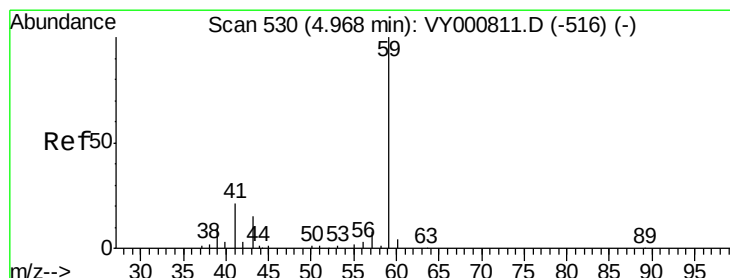
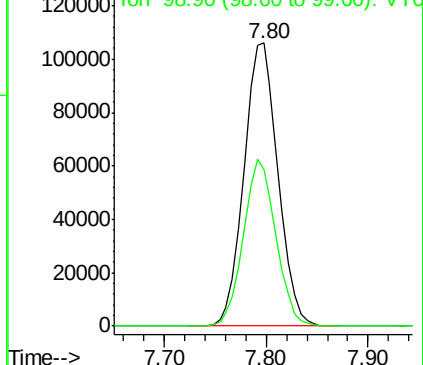
Ion Ratio Lower Upper

168 100

99 55.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY001007.D (-946) (-)



#11

Tert butyl alcohol

Concen: 1.872 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY001007.D

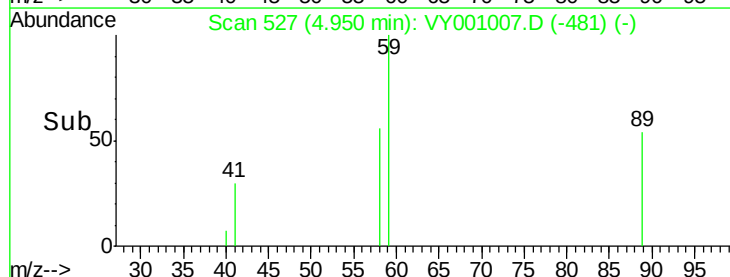
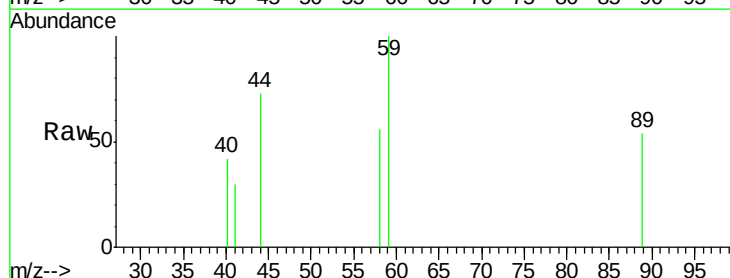
Acq: 19 Dec 2019 11:54

Tgt Ion: 59 Resp: 491

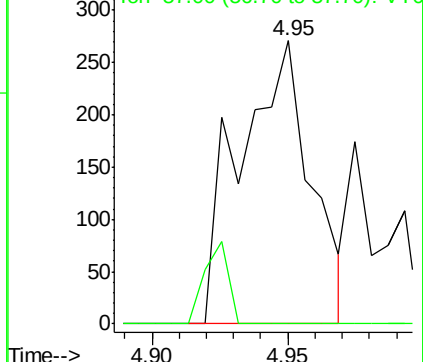
Ion Ratio Lower Upper

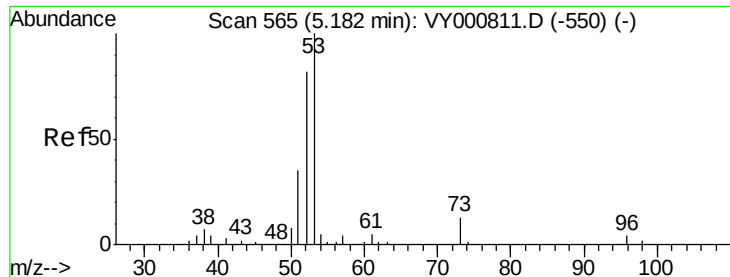
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001007.D (-481) (-)





#15

Acrylonitrile

Concen: 1.527 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY001007.D

Acq: 19 Dec 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1219SBL01

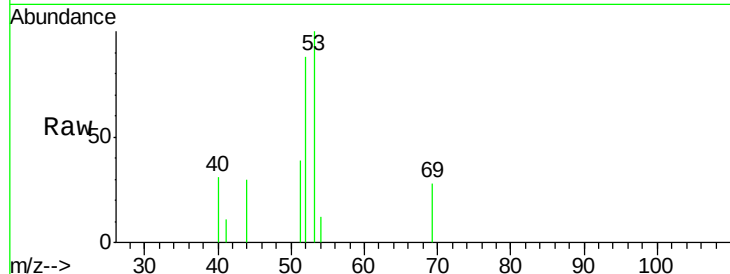
Tgt Ion: 53 Resp: 1305

Ion Ratio Lower Upper

53 100

52 80.5 65.1 97.7

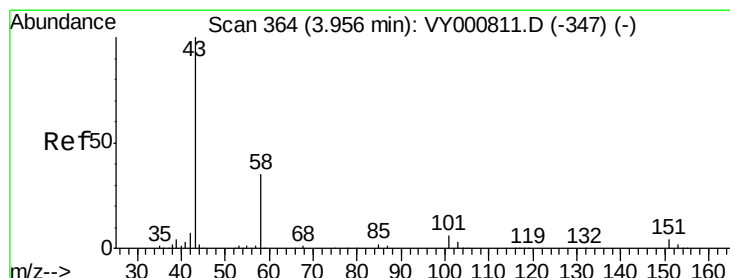
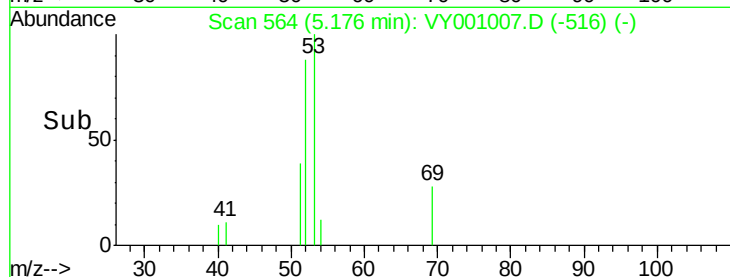
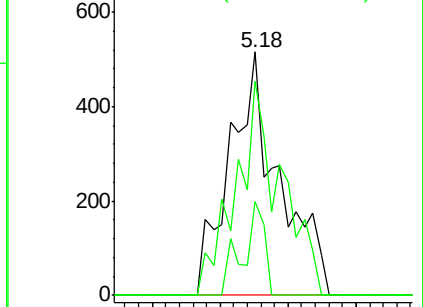
51 16.8 29.0 43.4#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 5.623 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001007.D

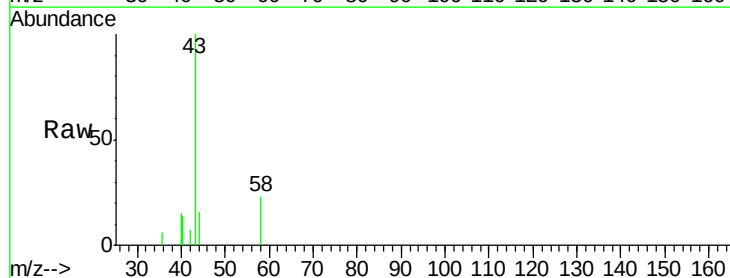
Acq: 19 Dec 2019 11:54

Tgt Ion: 43 Resp: 3363

Ion Ratio Lower Upper

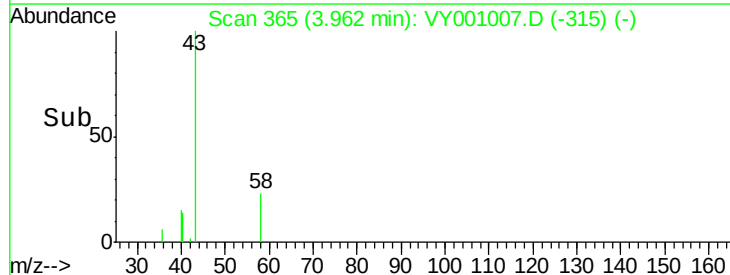
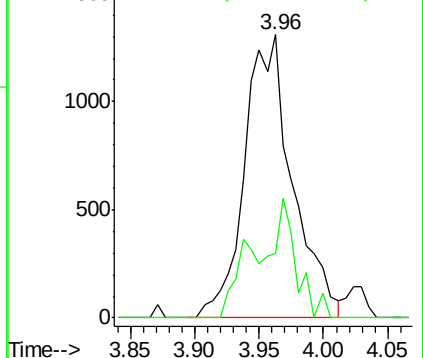
43 100

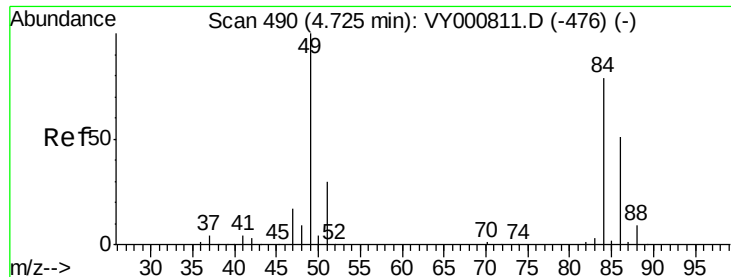
58 22.6 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

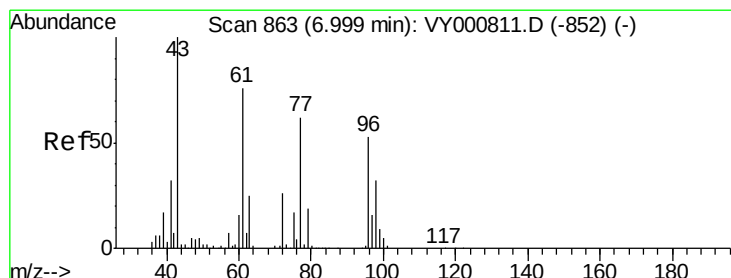
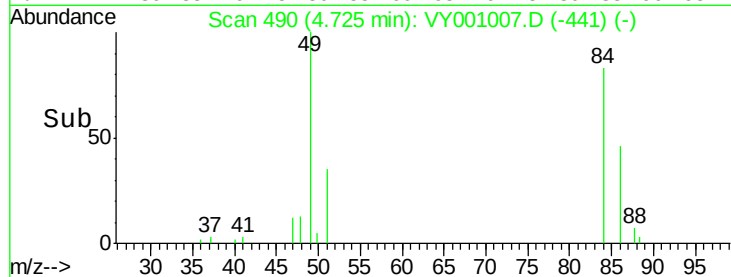
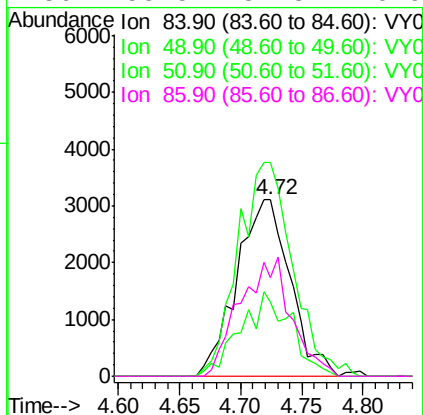
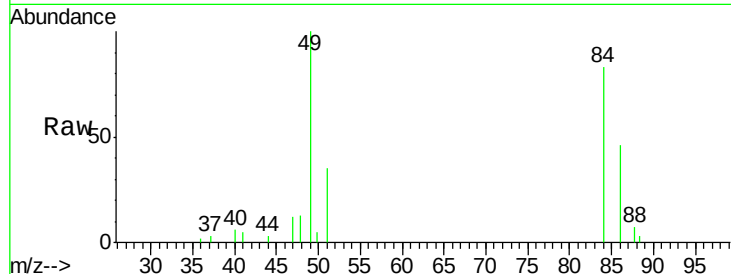




#20
Methylene Chloride
Concen: 2.992 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

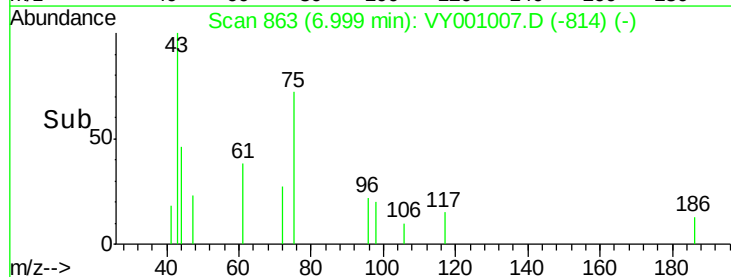
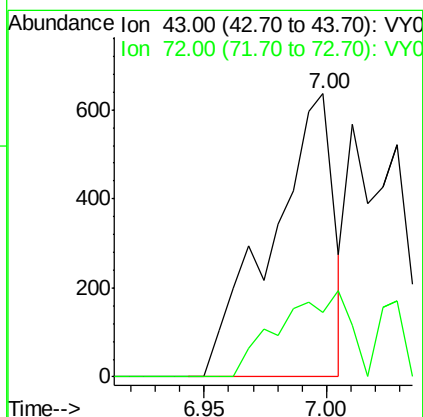
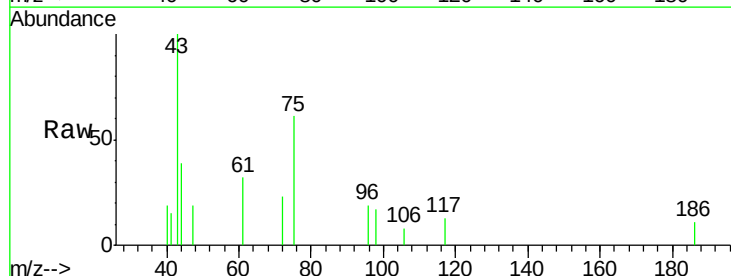
Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

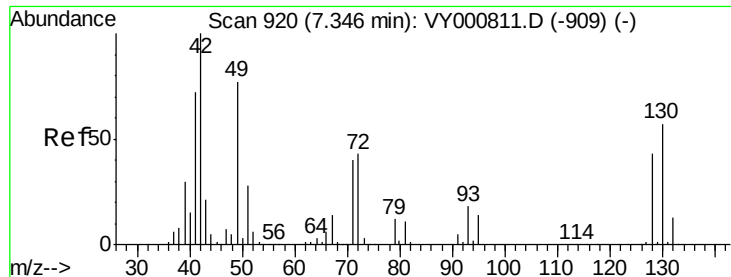
Tgt Ion: 84 Resp: 9431
Ion Ratio Lower Upper
84 100
49 121.0 101.3 151.9
51 42.1 30.6 45.8
86 55.5 51.3 76.9



#25
2-Butanone
Concen: 1.021 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
72 22.6 21.0 31.4





#28

Bromochloromethane

Concen: 2.109 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001007.D

Acq: 19 Dec 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1219SBL01

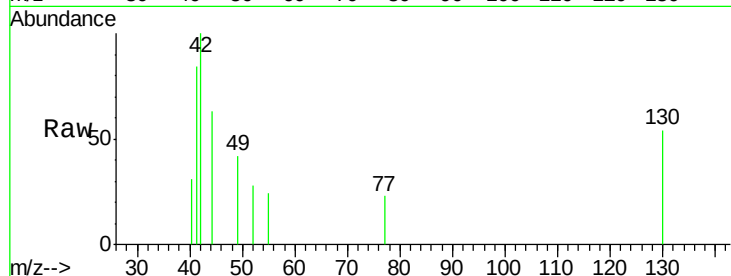
Tgt Ion: 49 Resp: 187

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

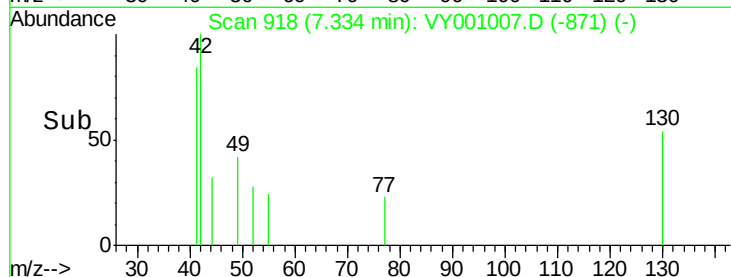
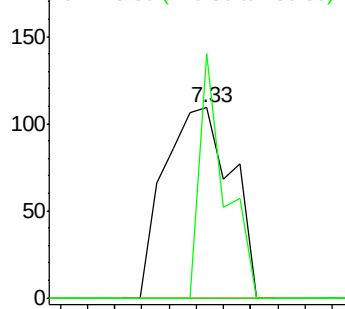
130 48.7 58.7 88.1#



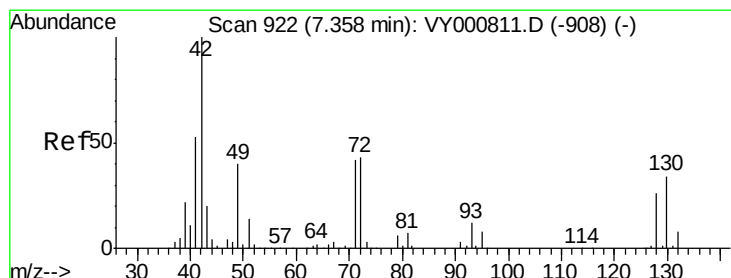
Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0



Time-->



#29

Tetrahydrofuran

Concen: 1.522 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: VY001007.D

Acq: 19 Dec 2019 11:54

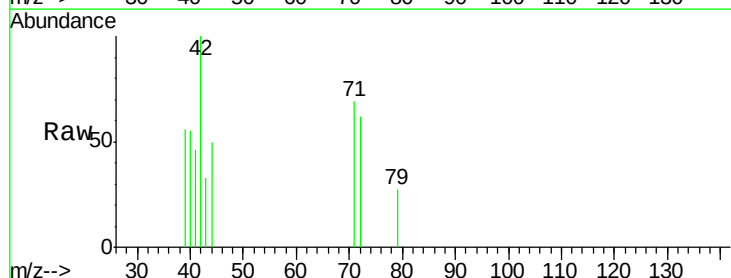
Tgt Ion: 42 Resp: 1114

Ion Ratio Lower Upper

42 100

72 32.6 35.1 52.7#

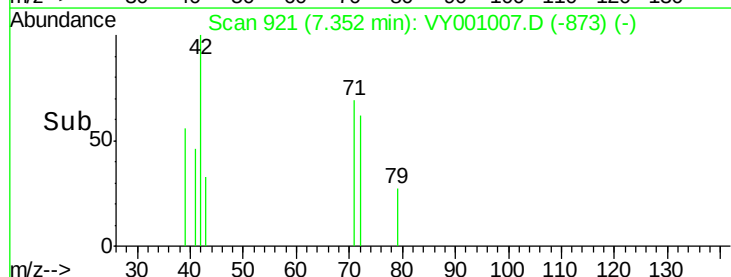
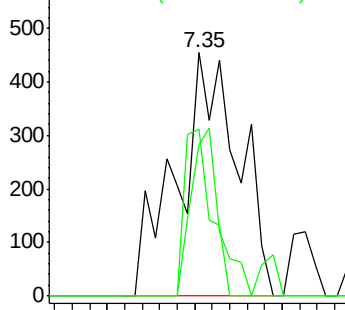
71 29.2 32.8 49.2#

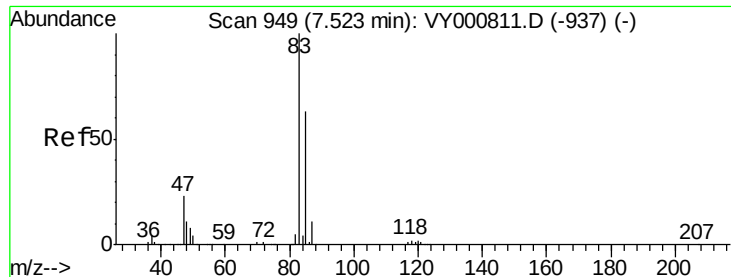


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

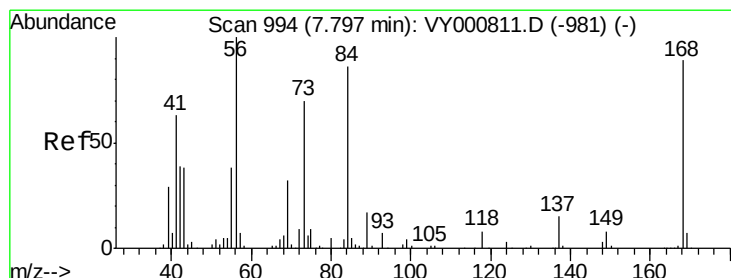
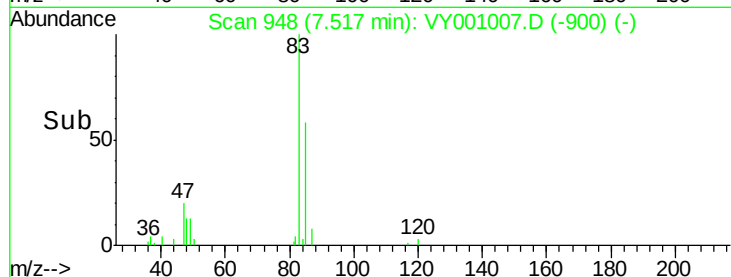
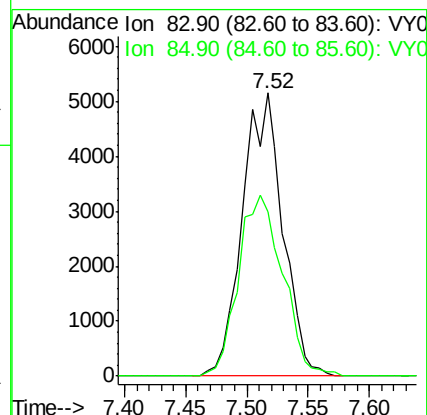
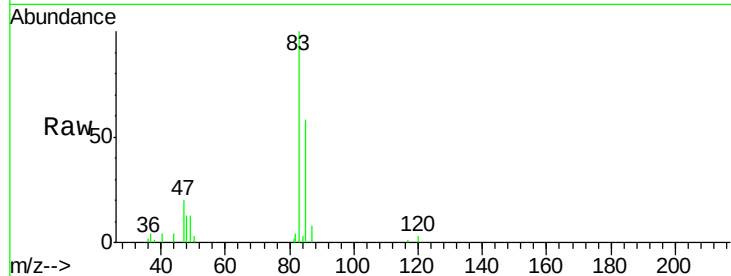




#30
Chloroform
Concen: 2.253 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

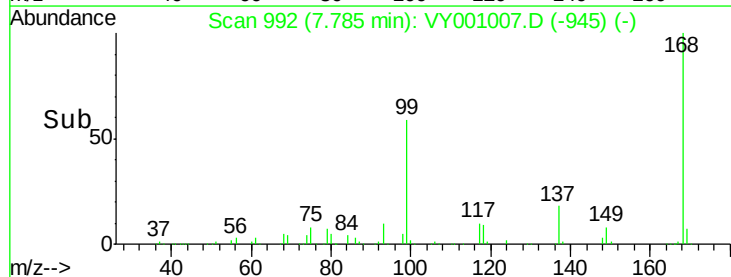
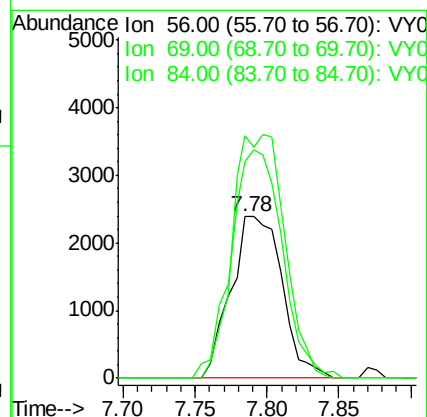
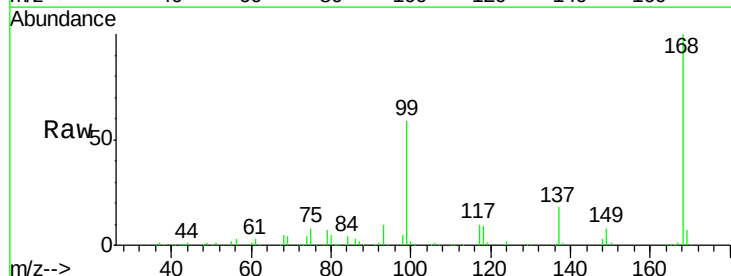
Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

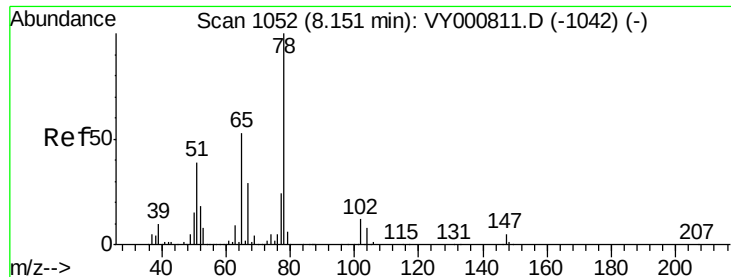
Tgt Ion: 83 Resp: 11809
Ion Ratio Lower Upper
83 100
85 58.2 50.4 75.6



#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

Tgt Ion: 56 Resp: 5871
Ion Ratio Lower Upper
56 100
69 134.1 25.9 38.9#
84 149.6 68.6 102.8#

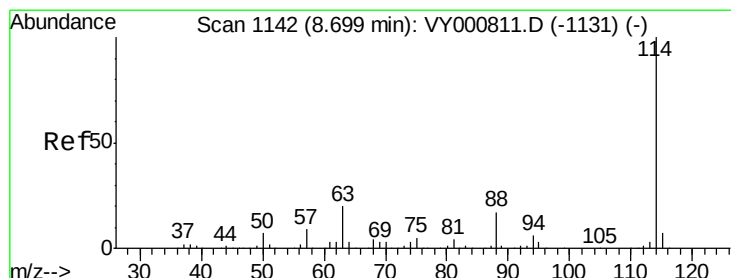
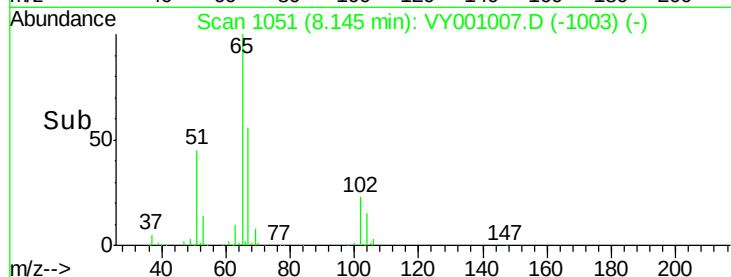
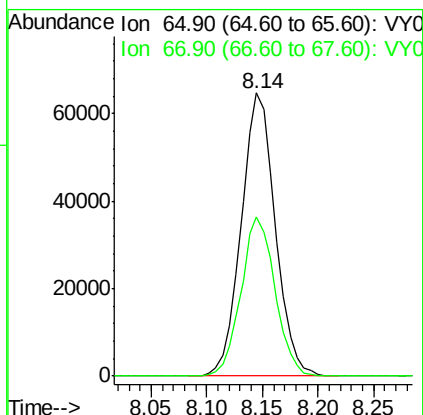
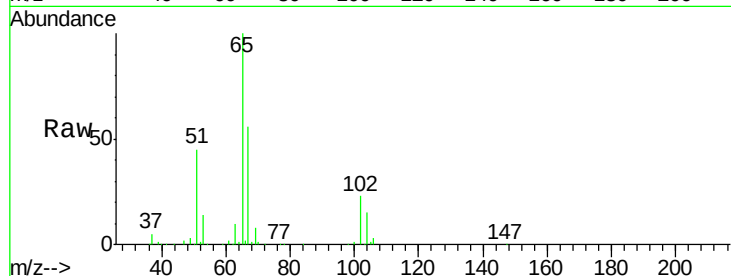




#33
 1,2-Dichloroethane-d4
 Concen: 52.760 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY001007.D
 Acq: 19 Dec 2019 11:54

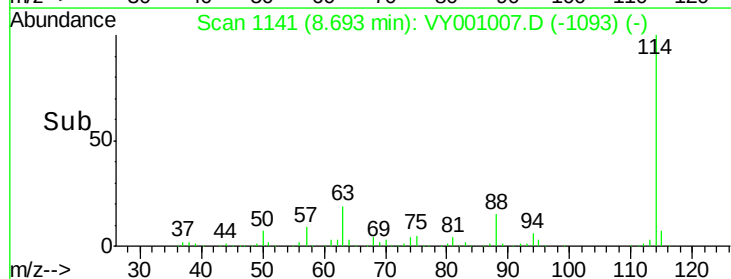
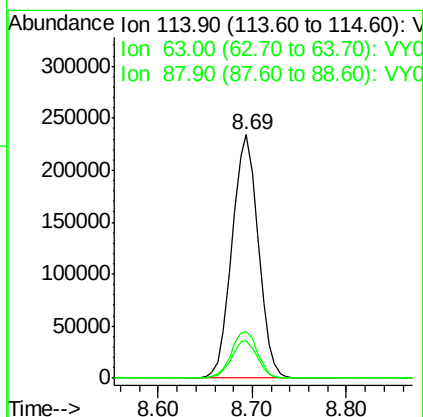
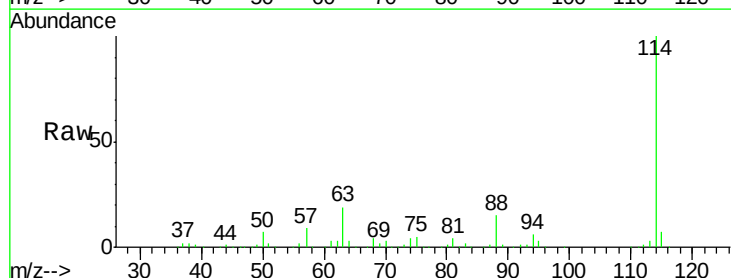
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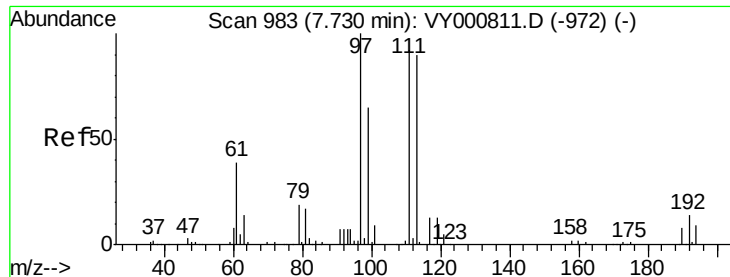
Tgt Ion: 65 Resp: 137552
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY001007.D
 Acq: 19 Dec 2019 11:54

Tgt Ion: 114 Resp: 452766
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 15.3 0.0 33.2

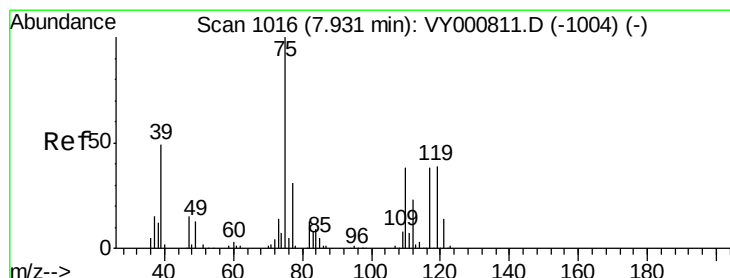
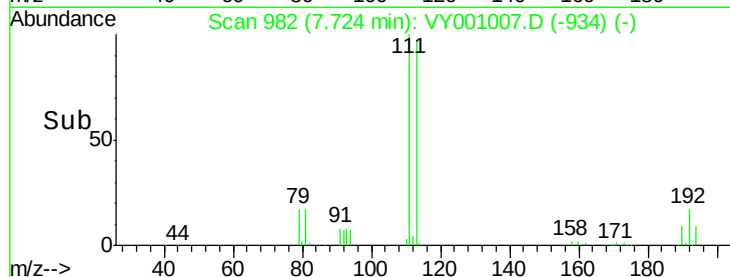
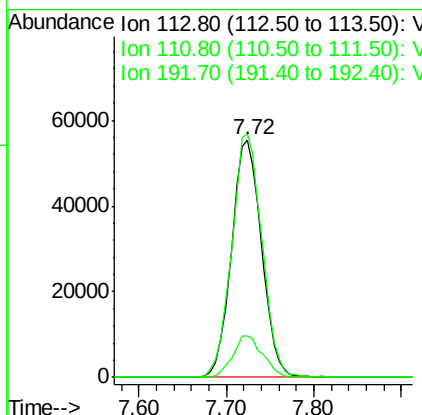
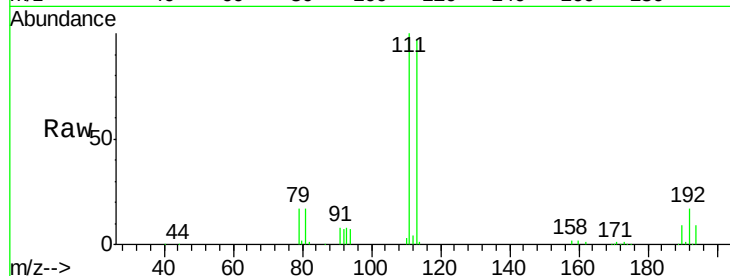




#35
 Dibromofluoromethane
 Concen: 49.993 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY001007.D
 Acq: 19 Dec 2019 11:54

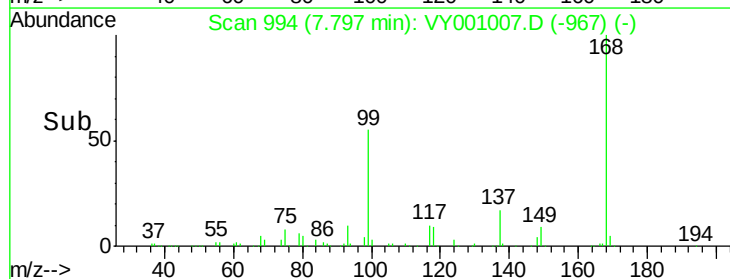
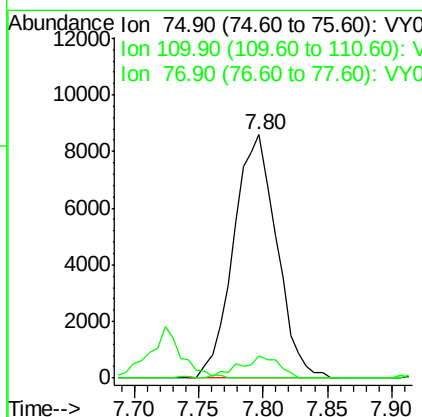
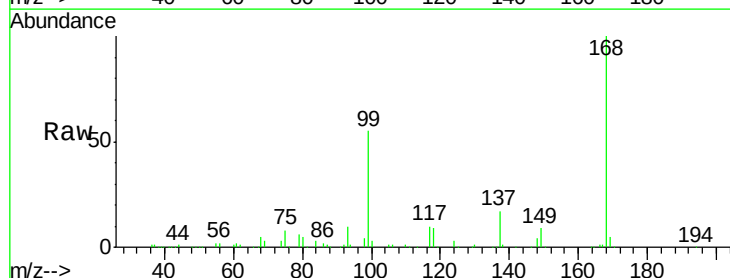
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1219SBL01

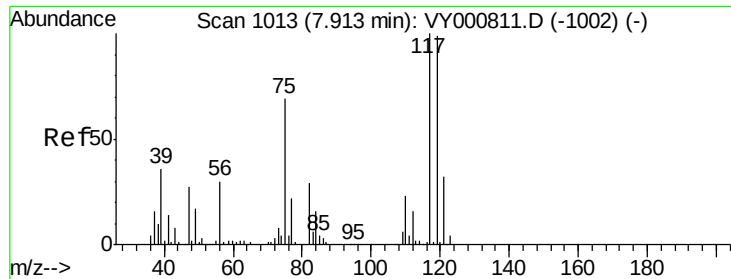
Tgt Ion: 113 Resp: 131917
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.4 123.6
 192 17.6 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.434 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001007.D
 Acq: 19 Dec 2019 11:54

Tgt Ion: 75 Resp: 19962
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.9 53.7#
 77 0.0 24.7 37.1#

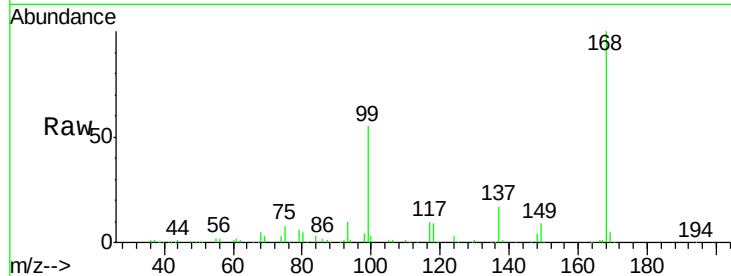




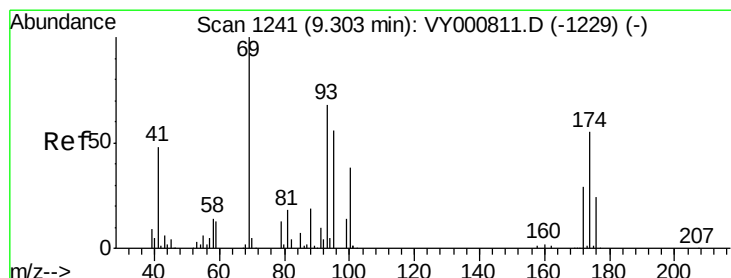
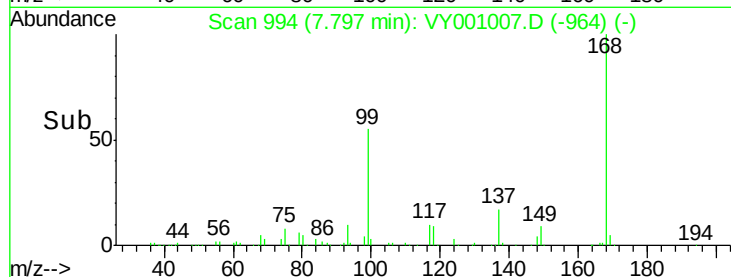
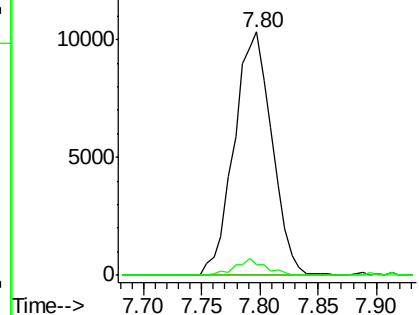
#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

Tgt Ion:117 Resp: 23320
Ion Ratio Lower Upper
117 100
119 4.4 79.3 118.9#
121 0.0 25.5 38.3#

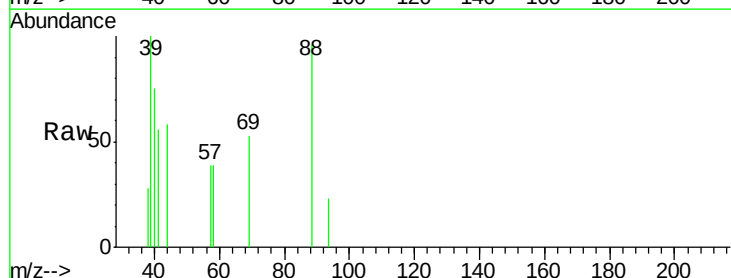


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

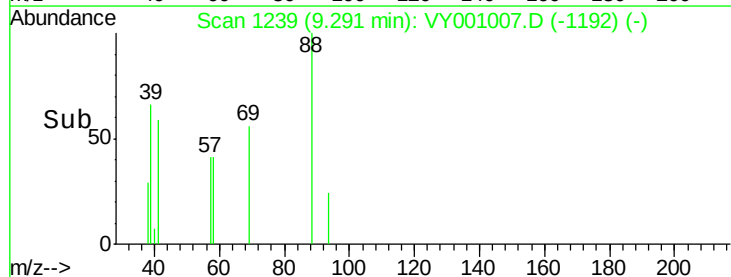
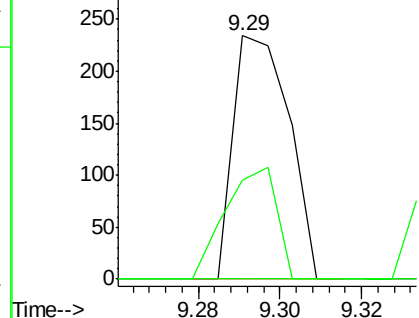


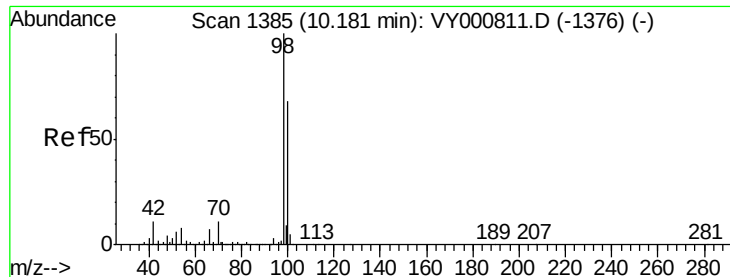
#49
1,4-Dioxane
Concen: 9.104 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

Tgt Ion: 88 Resp: 222
Ion Ratio Lower Upper
88 100
43 0.0 21.1 31.7#
58 42.3 50.7 76.1#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

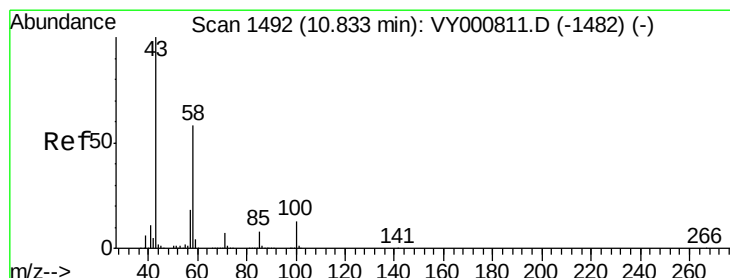
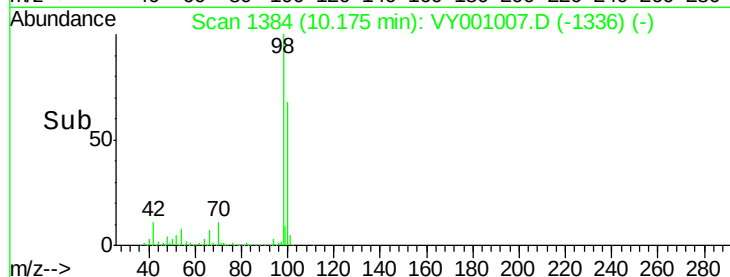
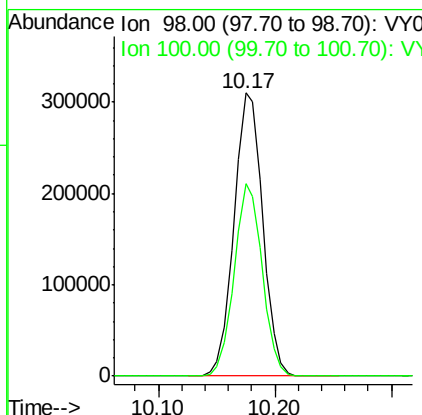
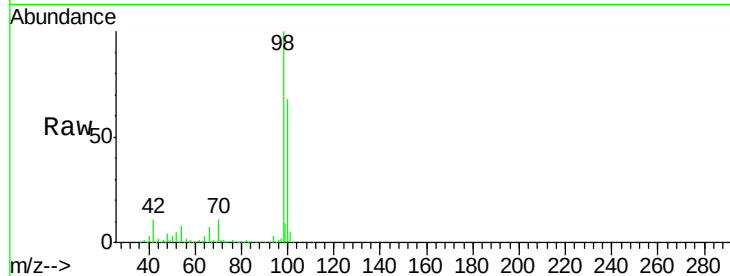




#50
Toluene-d8
Concen: 50.433 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

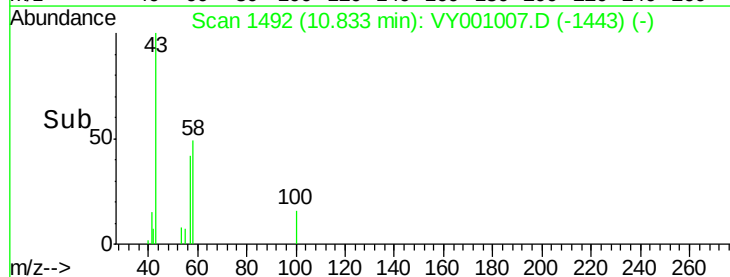
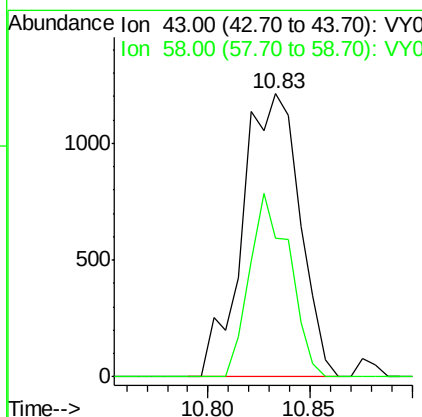
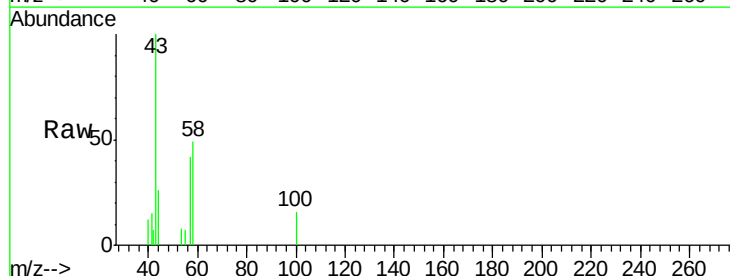
Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

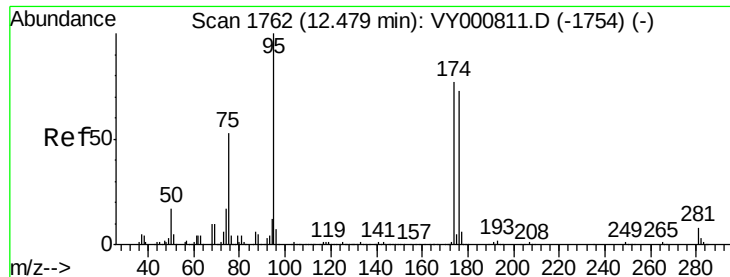
Tgt Ion: 98 Resp: 532039
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#59
2-Hexanone
Concen: 1.283 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

Tgt Ion: 43 Resp: 2367
Ion Ratio Lower Upper
43 100
58 45.2 29.0 87.1

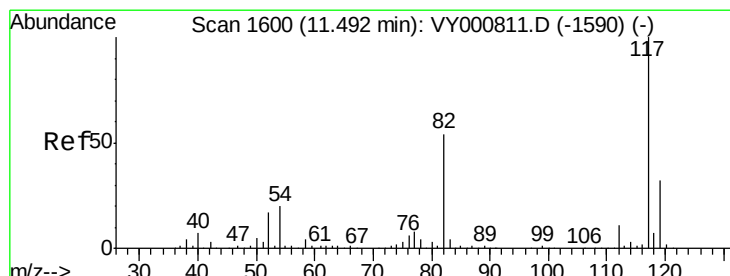
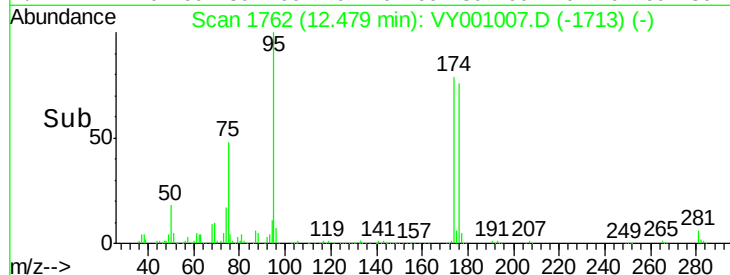
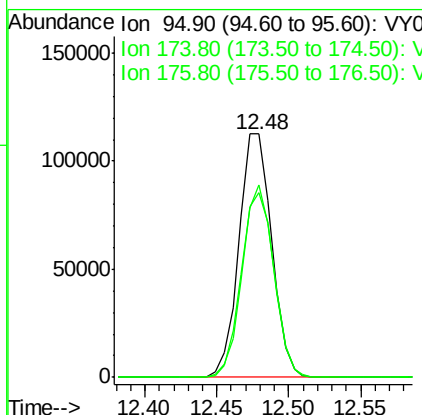
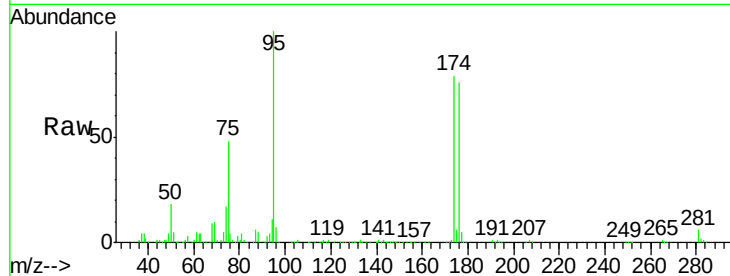




#62
4-Bromofluorobenzene
Concen: 44.896 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

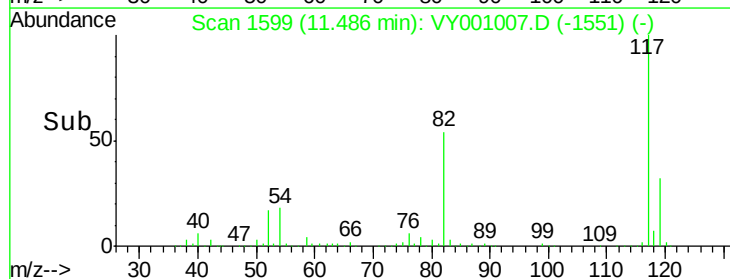
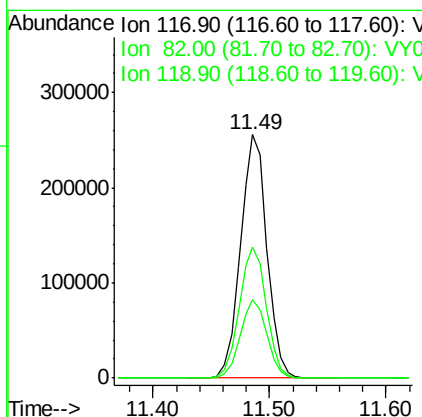
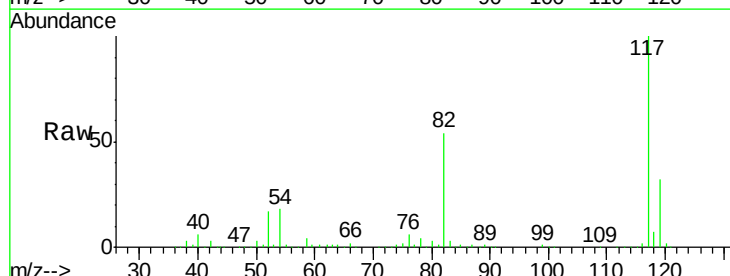
Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

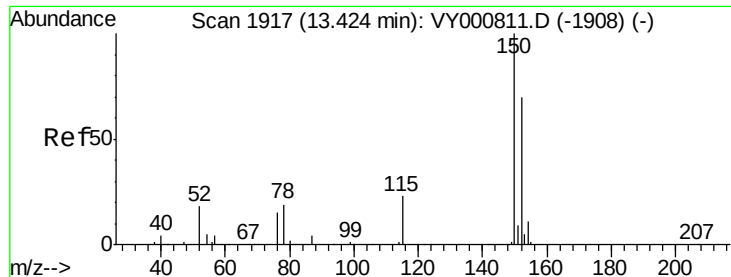
Tgt Ion: 95 Resp: 177873
Ion Ratio Lower Upper
95 100
174 76.9 0.0 150.6
176 74.9 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

Tgt Ion: 117 Resp: 403424
Ion Ratio Lower Upper
117 100
82 53.6 43.1 64.7
119 32.1 25.3 37.9



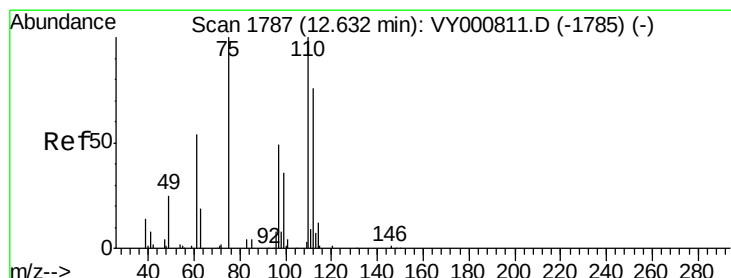
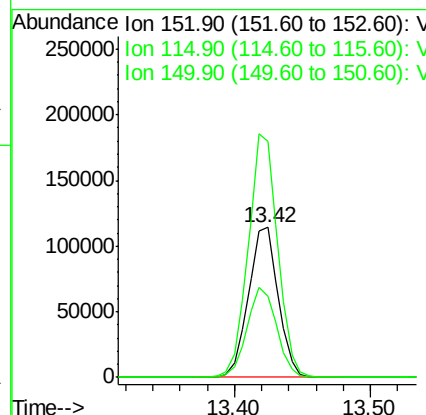
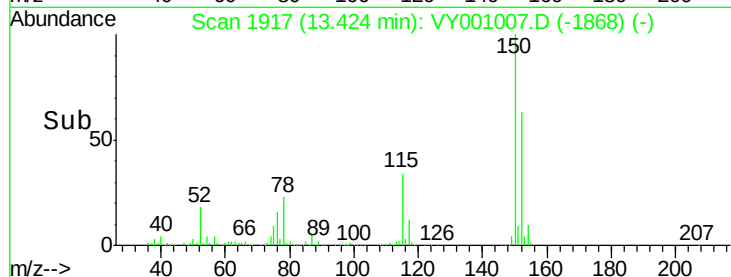
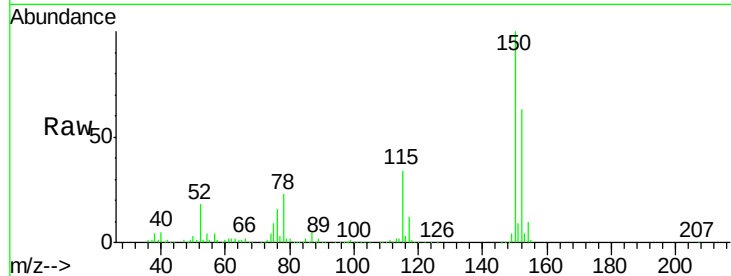


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1219SBL01

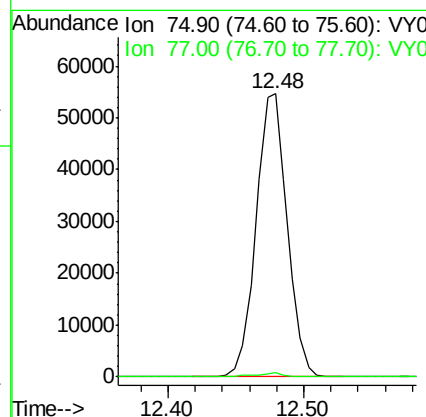
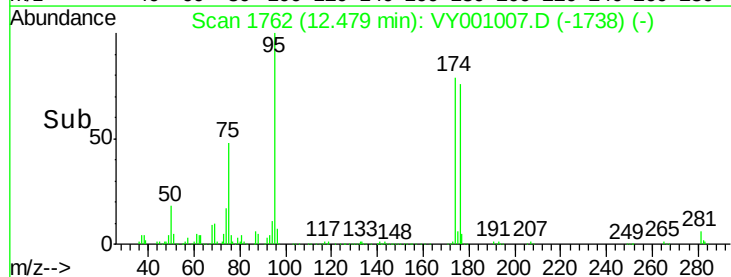
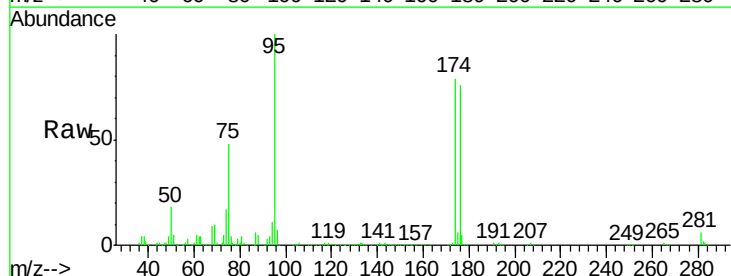
Tgt Ion:152 Resp: 174345
Ion Ratio Lower Upper
152 100
115 59.7 29.3 87.8
150 160.8 0.0 351.2

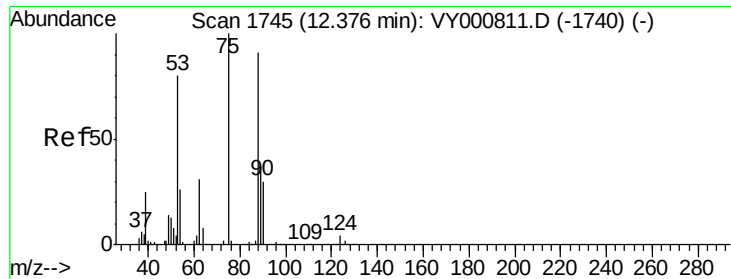


#76

1,2,3-Trichloropropane
Concen: 44.254 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001007.D
Acq: 19 Dec 2019 11:54

Tgt Ion: 75 Resp: 87415
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 86.927 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001007.D

Acq: 19 Dec 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY1219SBL01

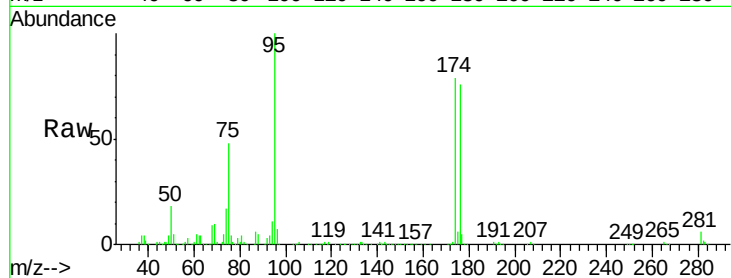
Tgt Ion: 75 Resp: 87415

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.1 33.6 50.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

