

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000953.D
 Acq On : 16 Dec 2019 14:42
 Operator : SY/MD
 Sample : K6310-01
 Misc : 7.68G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-01

Quant Time: Dec 17 06:05:08 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

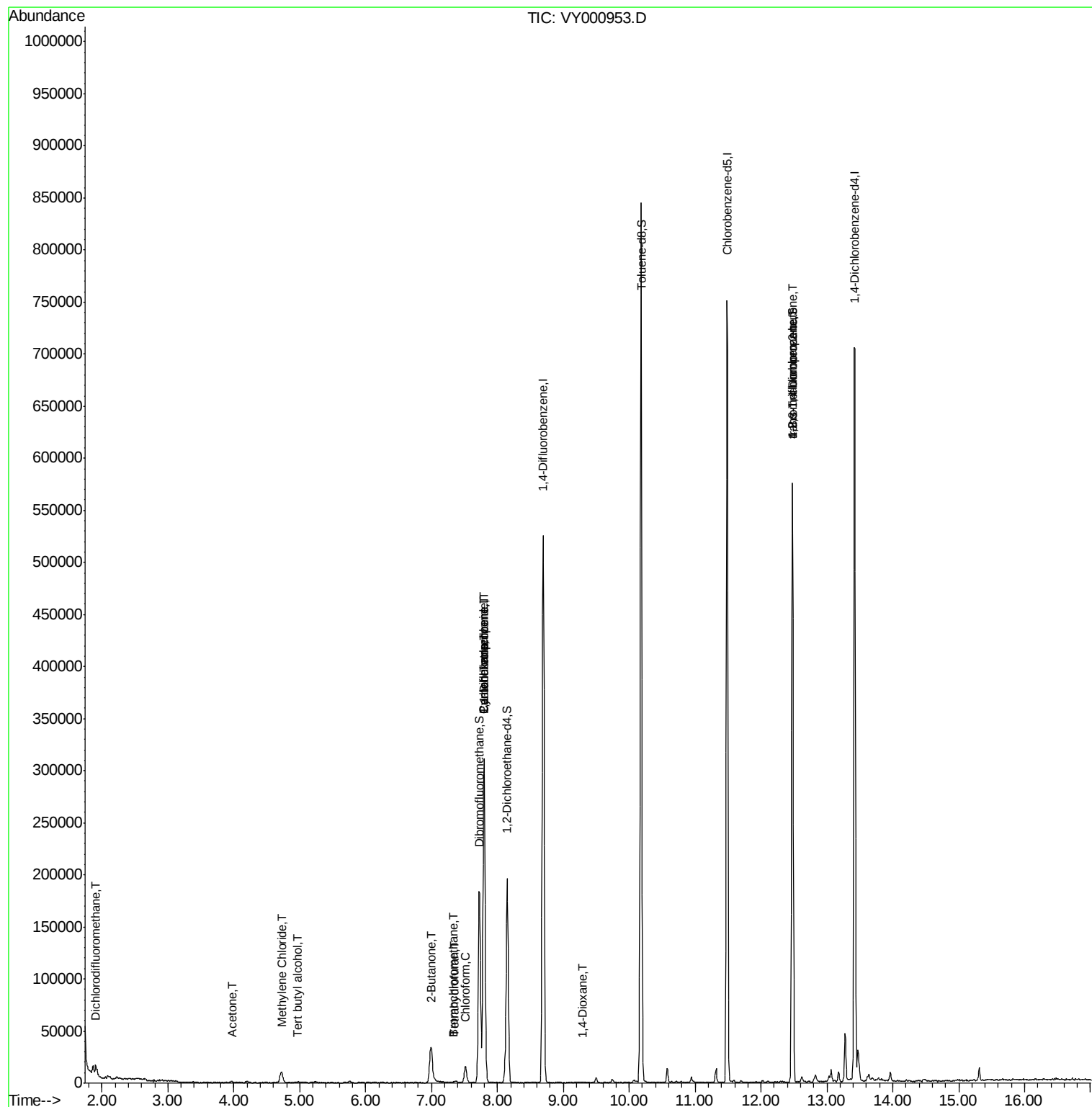
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	243868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	453326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	405270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	173667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	142306	54.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.84%	
35) Dibromofluoromethane	7.72	113	134704	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
50) Toluene-d8	10.18	98	533327	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.48	95	176393	44.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	7369	2.807	ug/l	96
5) Bromomethane	2.67	94	100	Below Cal	#	37
11) Tert butyl alcohol	4.97	59	1229	4.714	ug/l #	74
16) Acetone	3.97	43	2296	3.862	ug/l #	73
20) Methylene Chloride	4.72	84	7740	2.470	ug/l #	83
25) 2-Butanone	7.00	43	1550	1.412	ug/l #	69
28) Bromochloromethane	7.33	49	127	2.079	ug/l #	15
29) Tetrahydrofuran	7.35	42	1172	1.611	ug/l #	56
30) Chloroform	7.51	83	15693	3.012	ug/l	95
31) Cyclohexane	7.79	56	5502	1.000	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	19742	4.380	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24589	6.126	ug/l #	14
49) 1,4-Dioxane	9.28	88	87	3.563	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	89652	45.563	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	89652	89.500	ug/l #	17

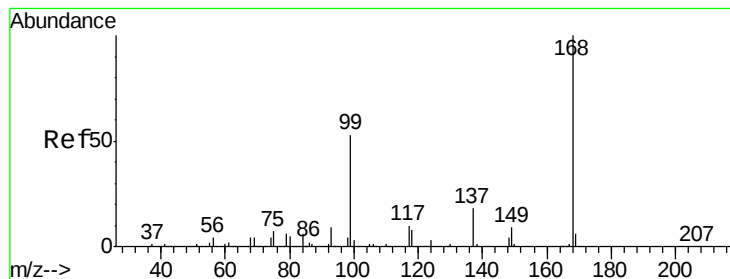
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
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QLast Update : Wed Nov 27 12:40:47 2019
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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: VY000953.D

Acq: 16 Dec 2019 14:42

Instrument :

MSVOA_Y

ClientSampleId :

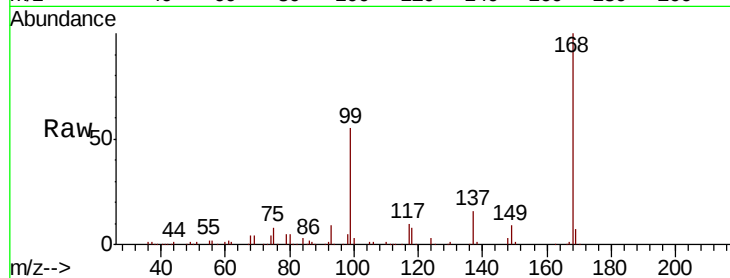
SP-01

Tgt Ion: 168 Resp: 243868

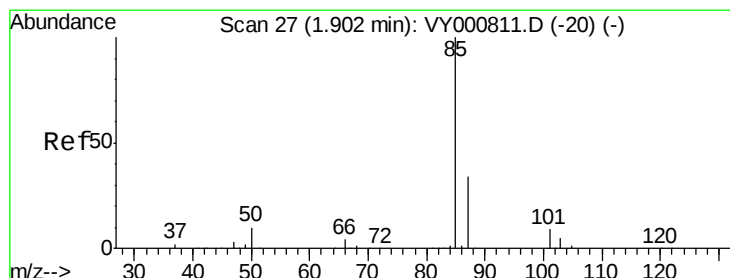
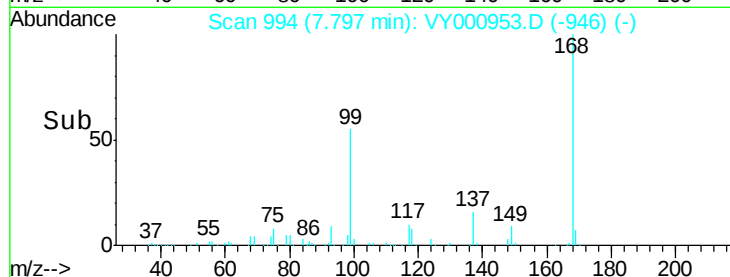
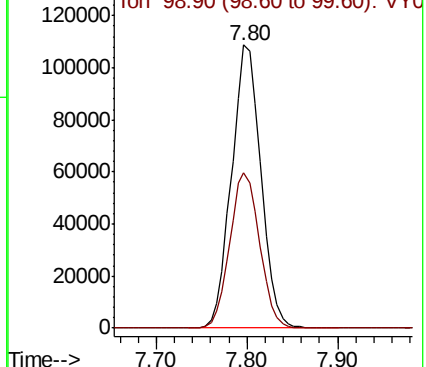
Ion Ratio Lower Upper

168 100

99 55.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000953.D (-1) (-)



#2

Dichlorodifluoromethane

Concen: 2.807 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000953.D

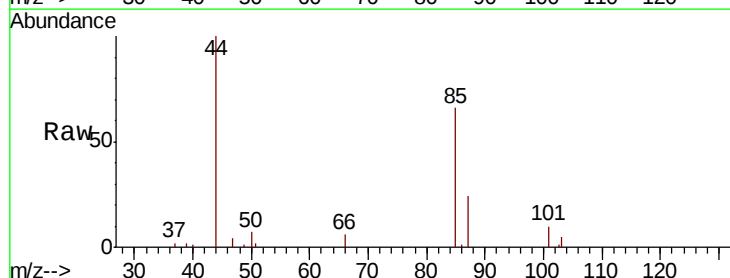
Acq: 16 Dec 2019 14:42

Tgt Ion: 85 Resp: 7369

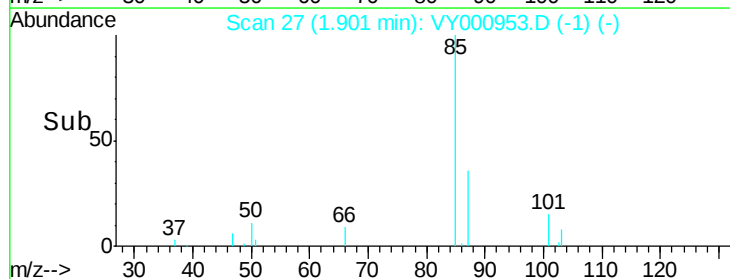
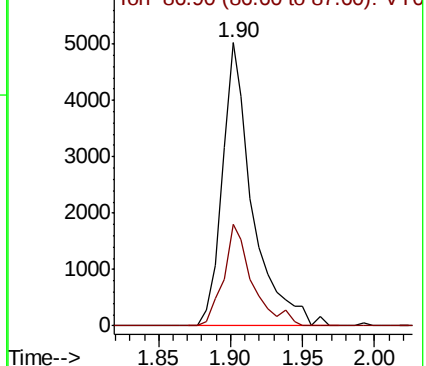
Ion Ratio Lower Upper

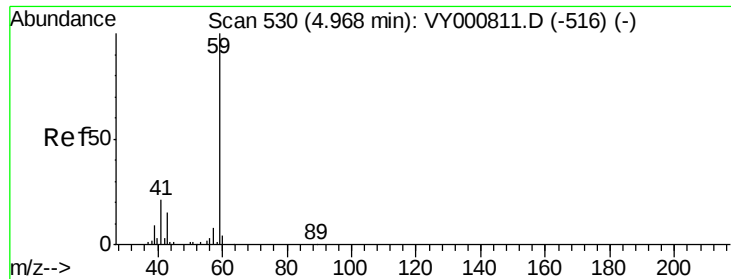
85 100

87 35.9 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000953.D (-1) (-)

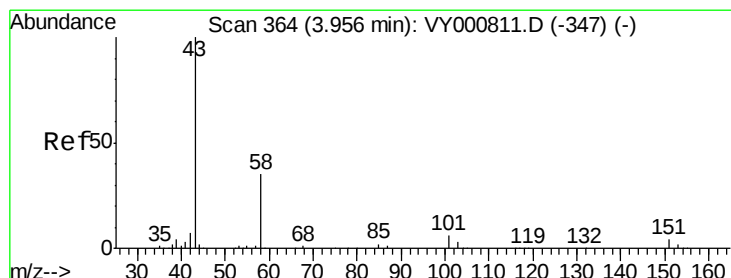
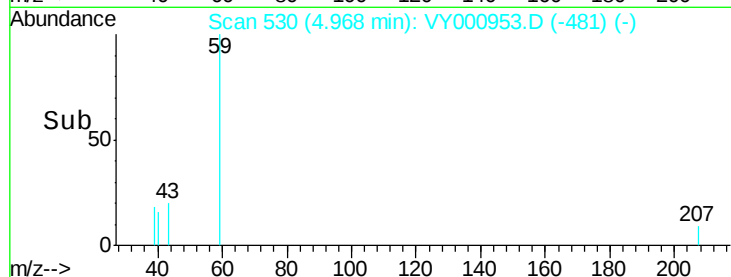
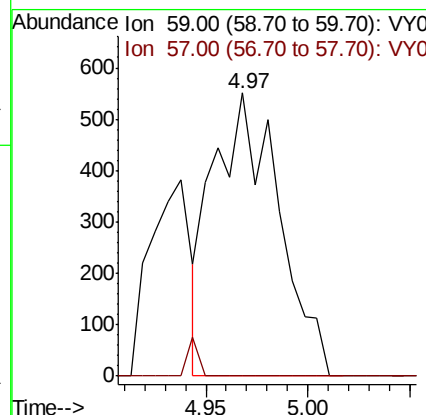
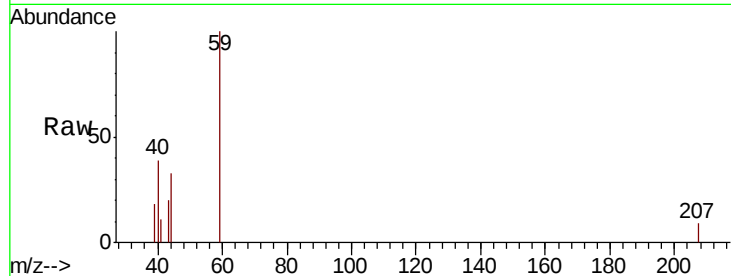




#11
Tert butyl alcohol
Concen: 4.714 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY000953.D
Acq: 16 Dec 2019 14:42

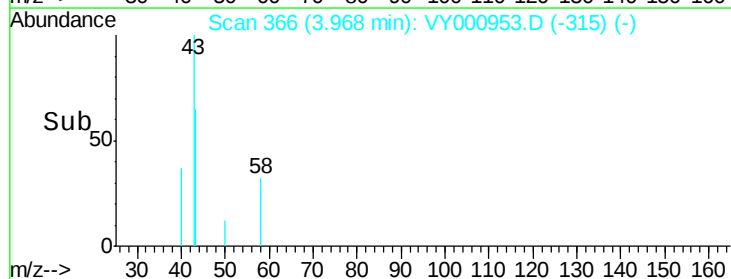
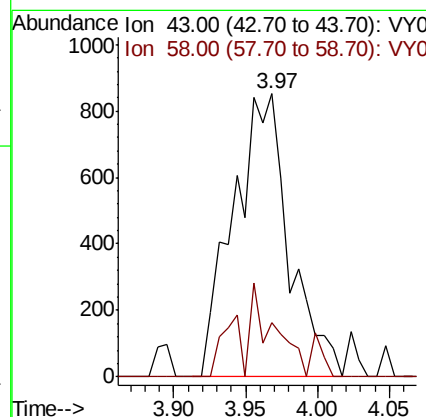
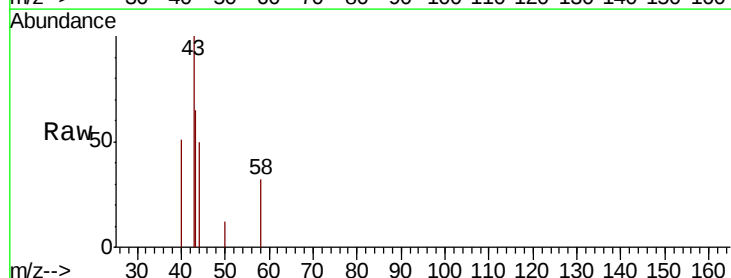
Instrument :
MSVOA_Y
ClientSampled :
SP-01

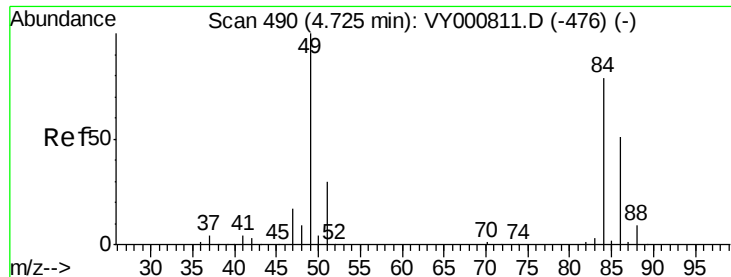
Tgt Ion: 59 Resp: 1229
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.862 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY000953.D
Acq: 16 Dec 2019 14:42

Tgt Ion: 43 Resp: 2296
Ion Ratio Lower Upper
43 100
58 19.2 28.0 42.0#

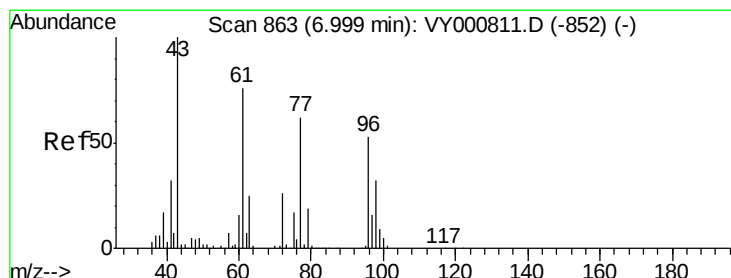
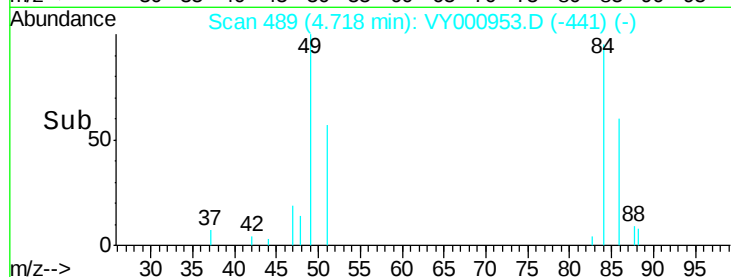
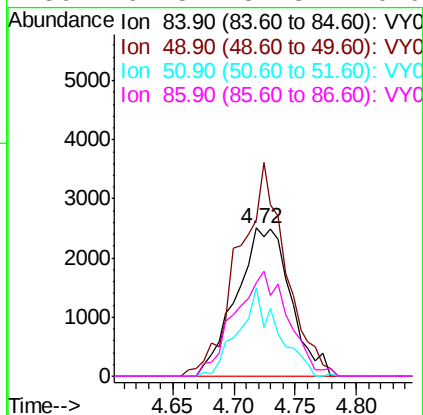
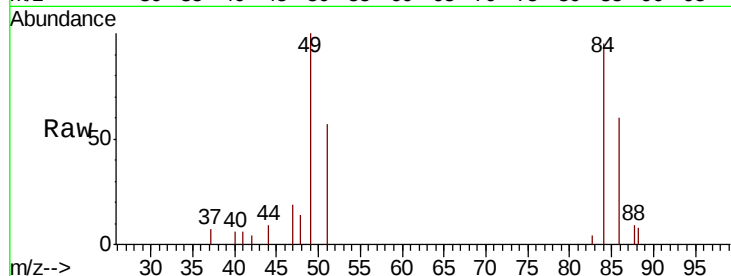




#20
Methylene Chloride
Concen: 2.470 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000953.D
Acq: 16 Dec 2019 14:42

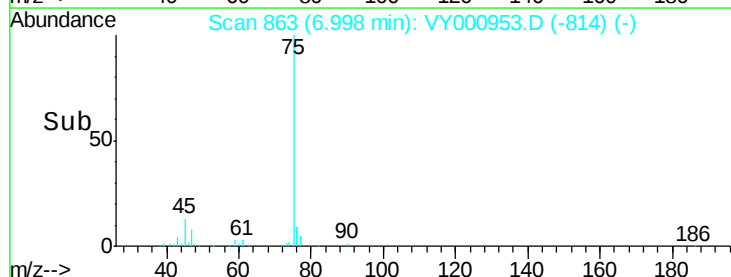
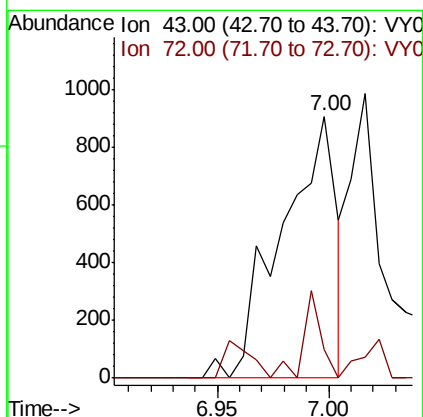
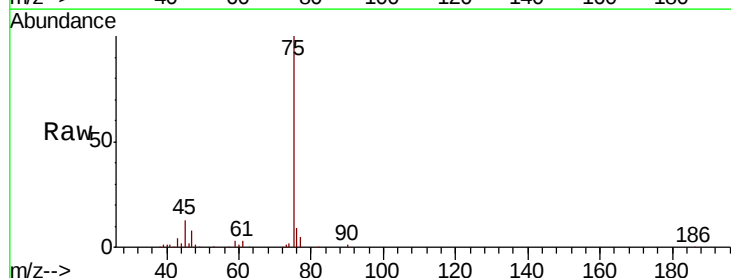
Instrument :
MSVOA_Y
ClientSampled :
SP-01

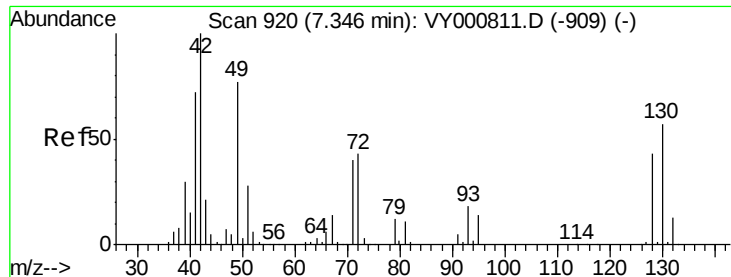
Tgt Ion: 84 Resp: 7740
Ion Ratio Lower Upper
84 100
49 105.3 101.3 151.9
51 59.8 30.6 45.8#
86 62.8 51.3 76.9



#25
2-Butanone
Concen: 1.412 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000953.D
Acq: 16 Dec 2019 14:42

Tgt Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
72 10.6 21.0 31.4#





#28

Bromochloromethane

Concen: 2.079 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY000953.D

Acq: 16 Dec 2019 14:42

Instrument :

MSVOA_Y

ClientSampled :

SP-01

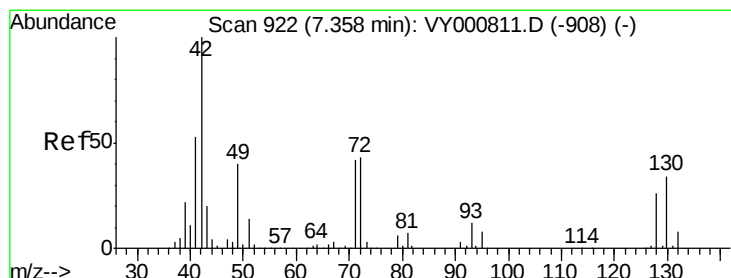
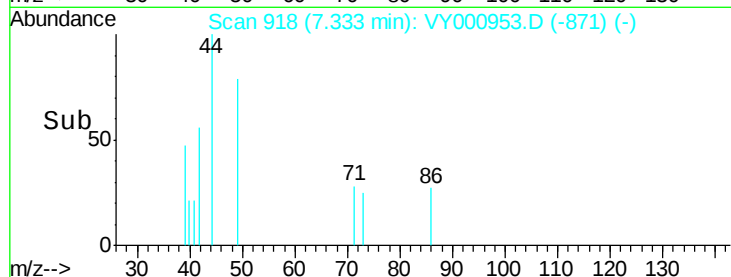
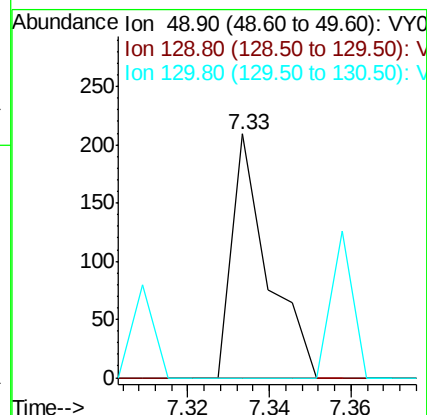
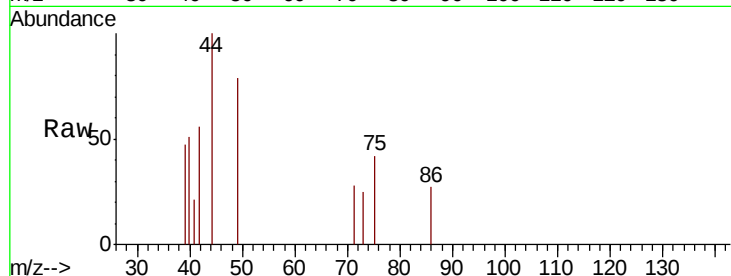
Tgt Ion: 49 Resp: 127

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#



#29

Tetrahydrofuran

Concen: 1.611 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: VY000953.D

Acq: 16 Dec 2019 14:42

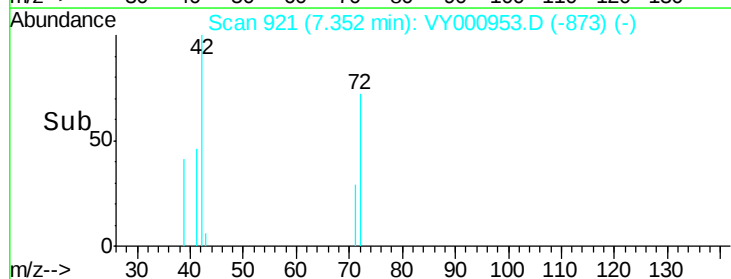
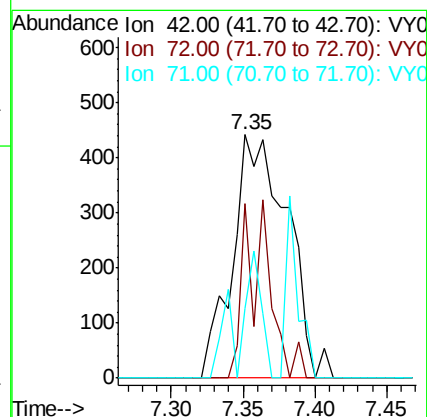
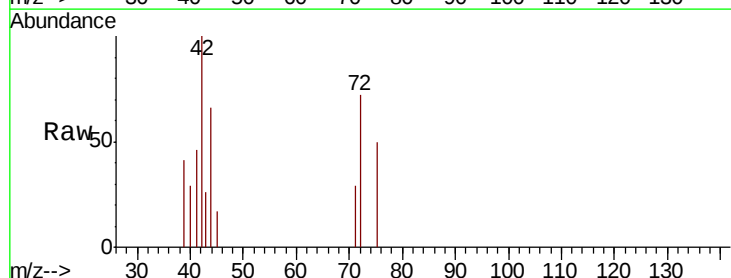
Tgt Ion: 42 Resp: 1172

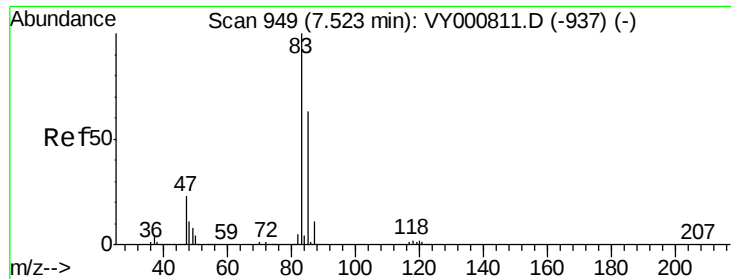
Ion Ratio Lower Upper

42 100

72 14.8 35.1 52.7#

71 14.8 32.8 49.2#





#30

Chloroform

Concen: 3.012 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY000953.D

Acq: 16 Dec 2019 14:42

Instrument :

MSVOA_Y

ClientSampleId :

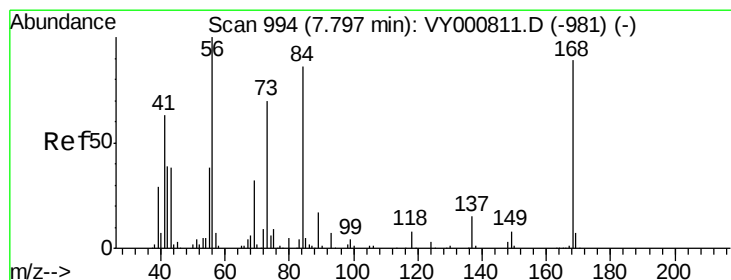
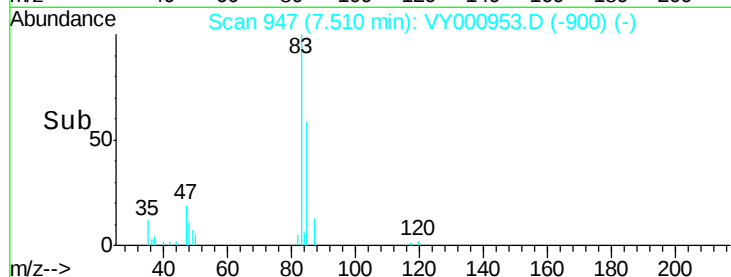
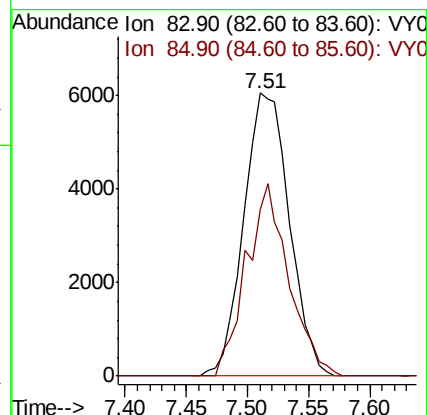
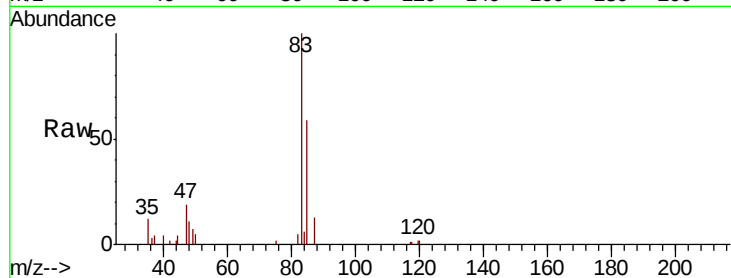
SP-01

Tgt Ion: 83 Resp: 15693

Ion Ratio Lower Upper

83 100

85 58.8 50.4 75.6



#31

Cyclohexane

Concen: 1.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000953.D

Acq: 16 Dec 2019 14:42

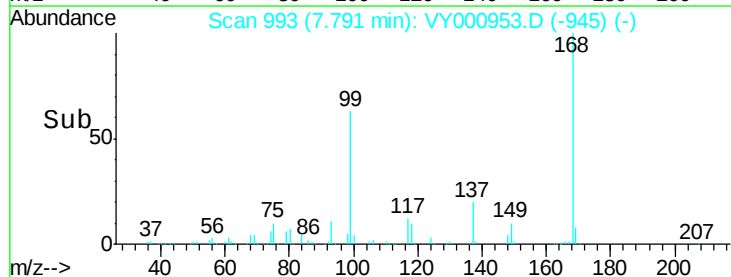
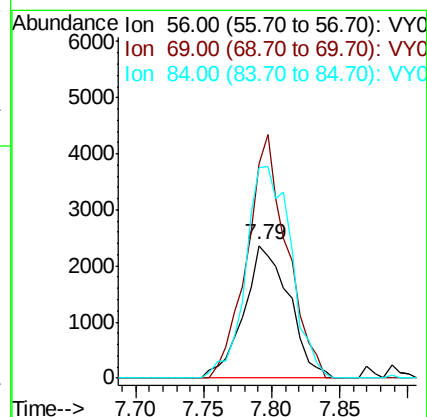
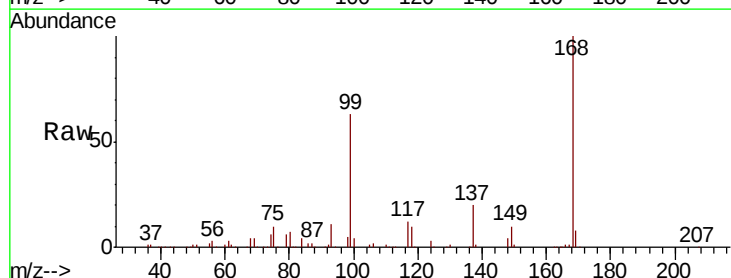
Tgt Ion: 56 Resp: 5502

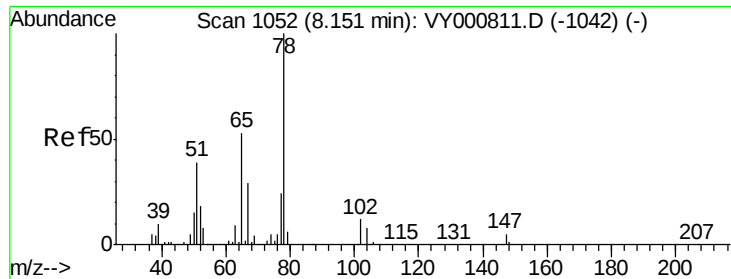
Ion Ratio Lower Upper

56 100

69 161.6 25.9 38.9#

84 158.8 68.6 102.8#

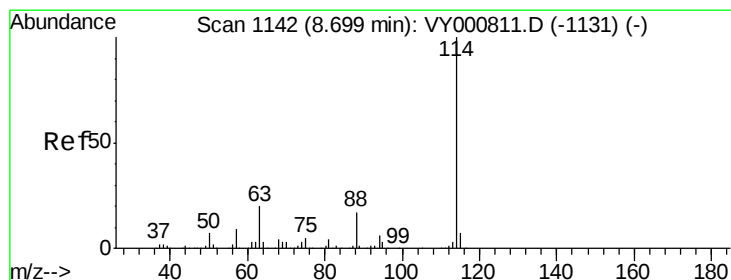
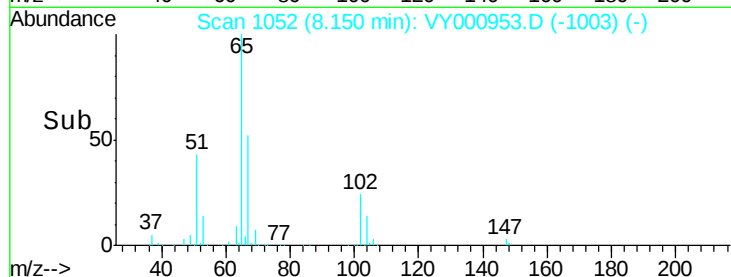
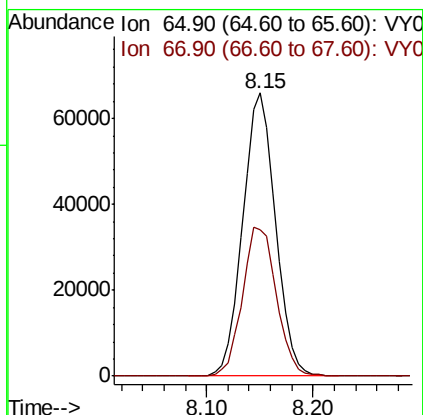
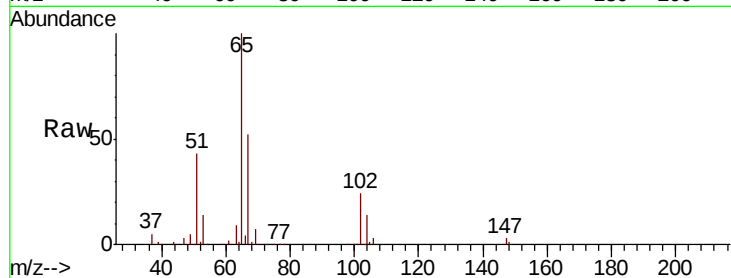




#33
 1,2-Dichloroethane-d4
 Concen: 54.917 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000953.D
 Acq: 16 Dec 2019 14:42

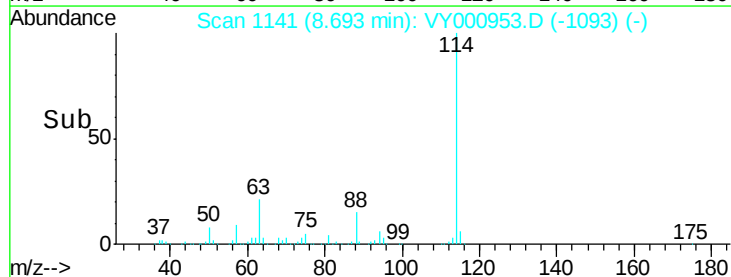
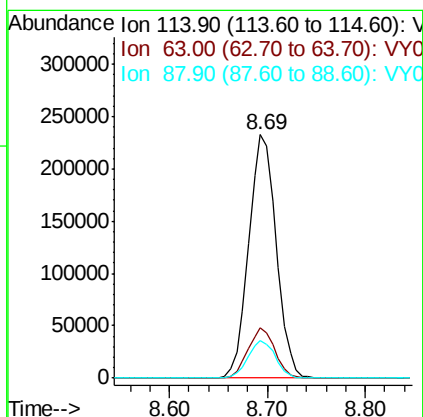
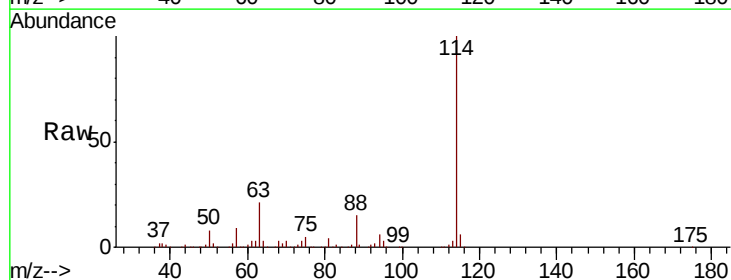
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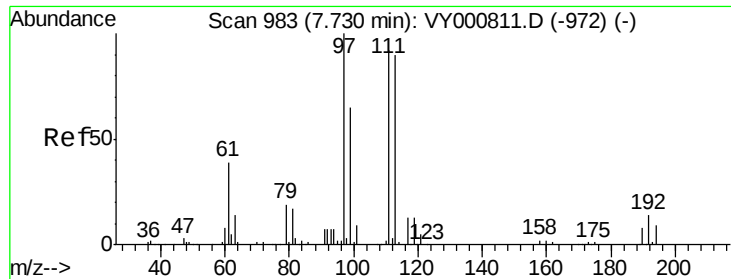
Tgt Ion: 65 Resp: 142306
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000953.D
 Acq: 16 Dec 2019 14:42

Tgt Ion: 114 Resp: 453326
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.8
 88 15.4 0.0 33.2

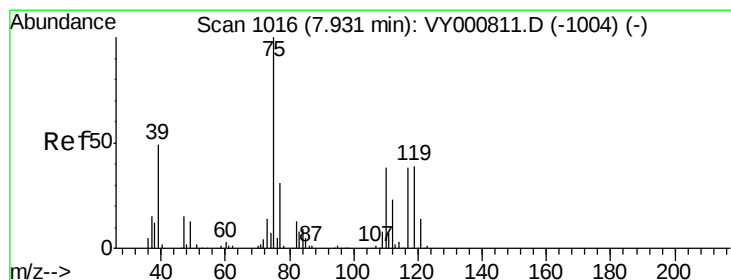
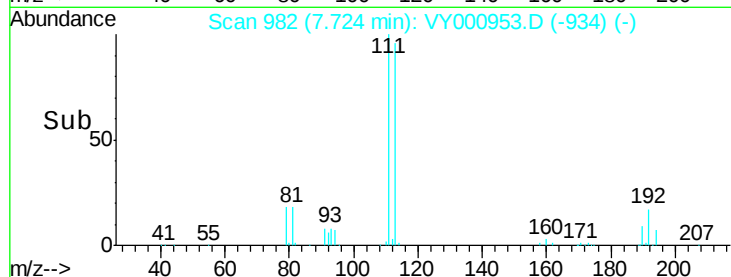
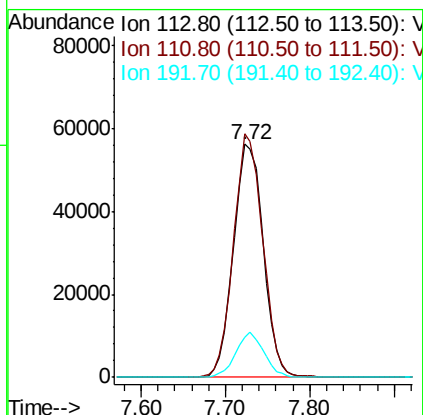
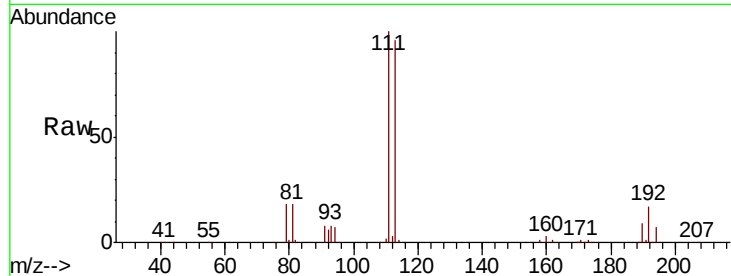




#35
 Dibromofluoromethane
 Concen: 50.986 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000953.D
 Acq: 16 Dec 2019 14:42

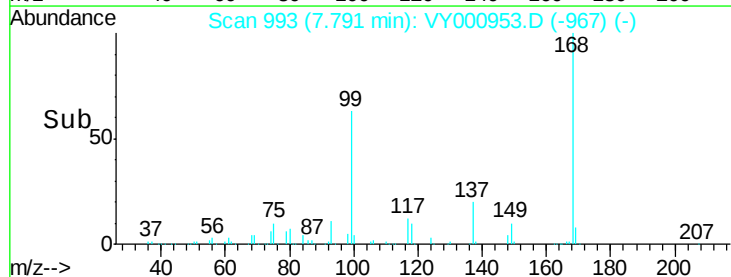
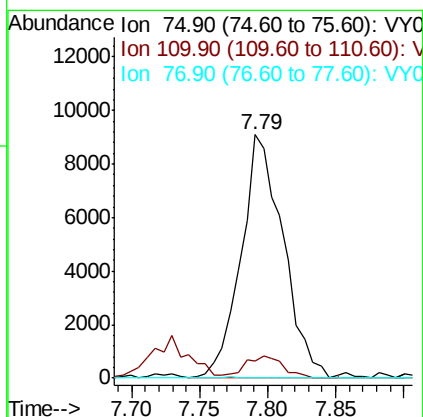
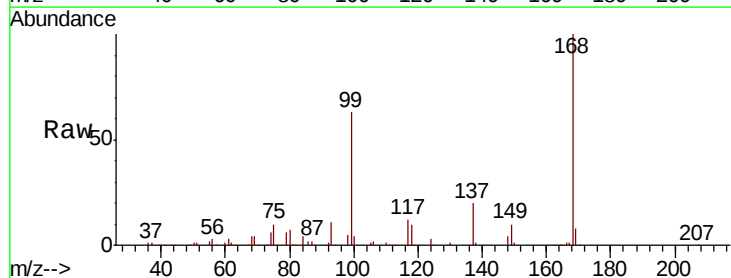
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-01

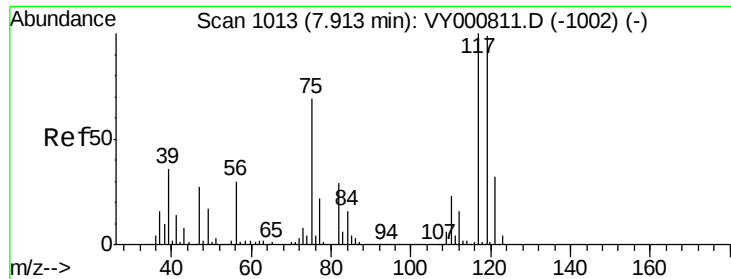
Tgt Ion:113 Resp: 134704
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 18.2 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.380 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY000953.D
 Acq: 16 Dec 2019 14:42

Tgt Ion: 75 Resp: 19742
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.9 53.7#
 77 0.0 24.7 37.1#

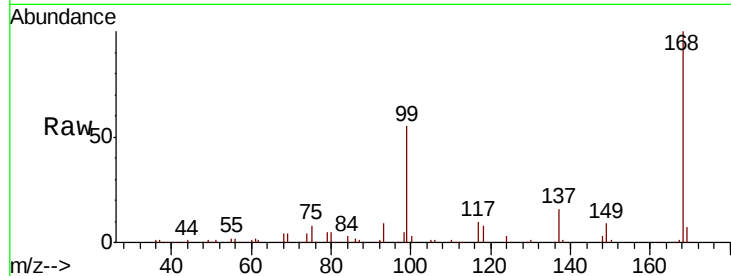




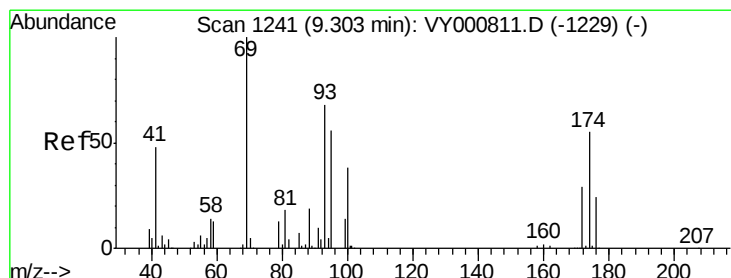
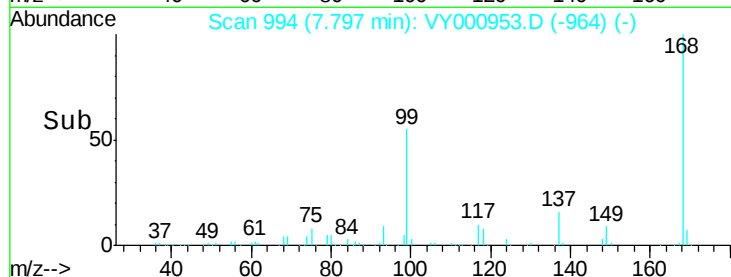
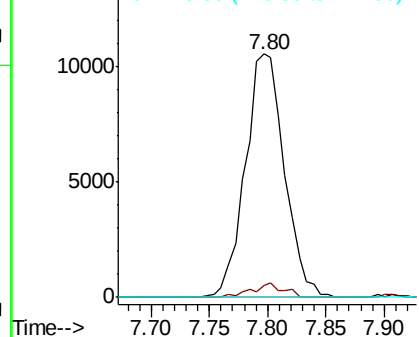
#38
 Carbon Tetrachloride
 Concen: 6.126 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000953.D
 Acq: 16 Dec 2019 14:42

Instrument :
 MSVOA_Y
 ClientSampled :
 SP-01

Tgt Ion: 117 Resp: 24589
 Ion Ratio Lower Upper
 117 100
 119 4.8 79.3 118.9#
 121 0.0 25.5 38.3#

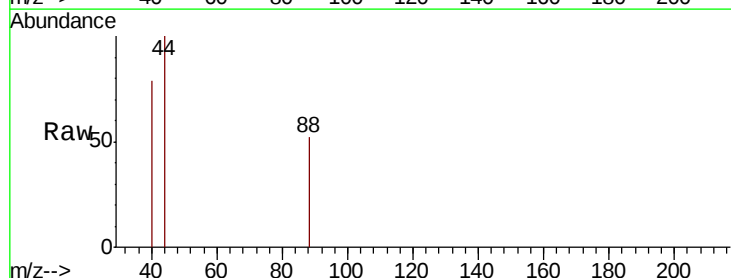


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

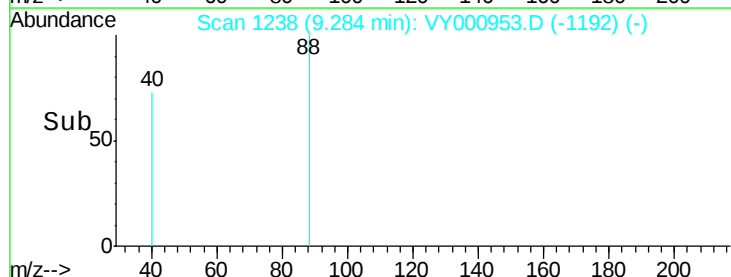
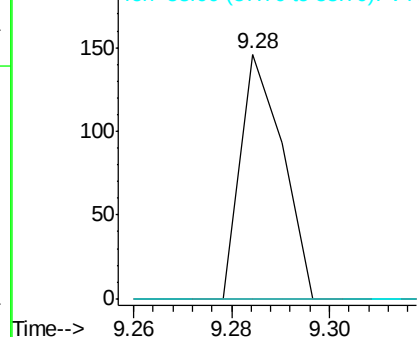


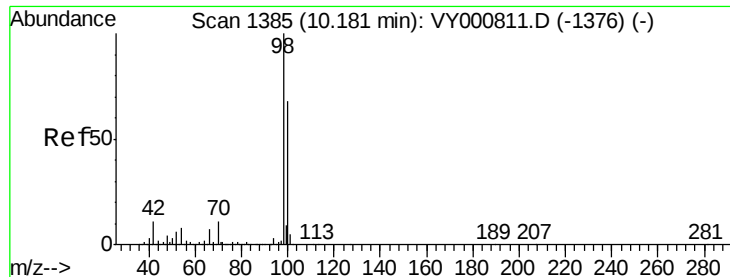
#49
 1,4-Dioxane
 Concen: 3.563 ug/l
 RT: 9.28 min Scan# 1238
 Delta R.T. -0.02 min
 Lab File: VY000953.D
 Acq: 16 Dec 2019 14:42

Tgt Ion: 88 Resp: 87
 Ion Ratio Lower Upper
 88 100
 43 0.0 21.1 31.7#
 58 0.0 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: 50.492 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000953.D

Acq: 16 Dec 2019 14:42

Instrument :

MSVOA_Y

ClientSampleId :

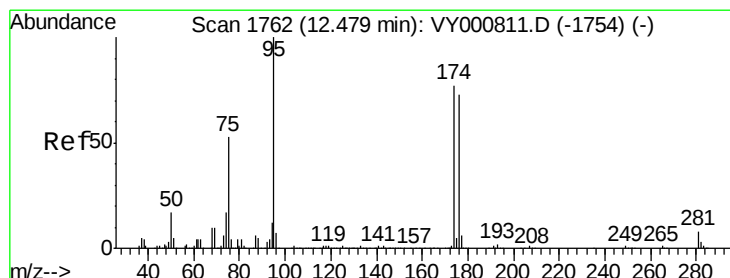
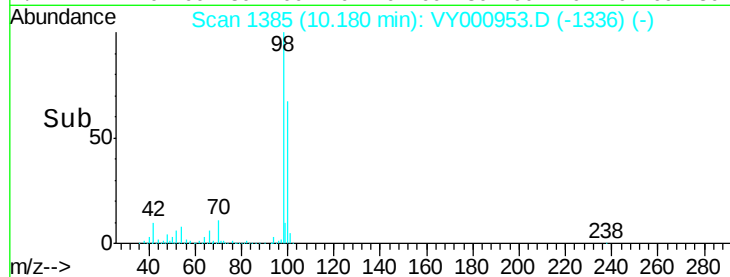
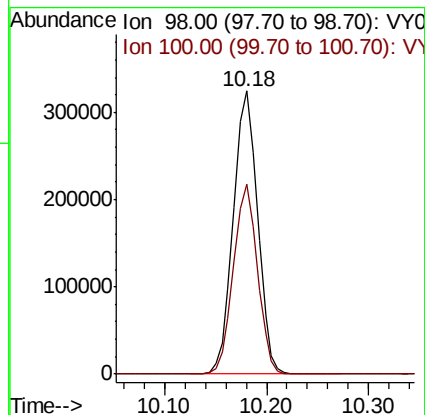
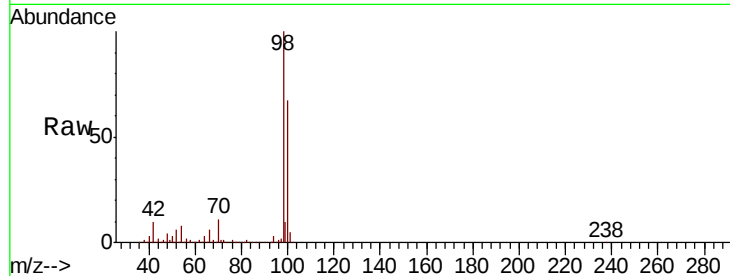
SP-01

Tgt Ion: 98 Resp: 533327

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.468 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000953.D

Acq: 16 Dec 2019 14:42

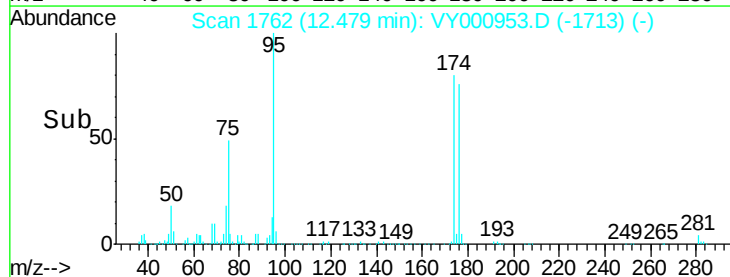
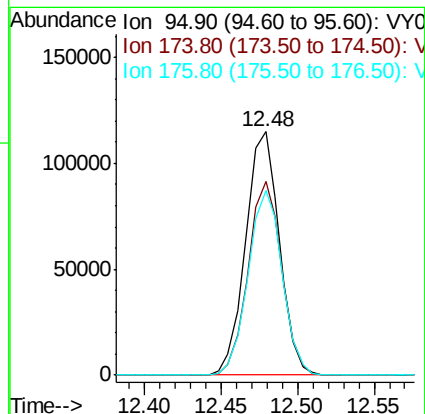
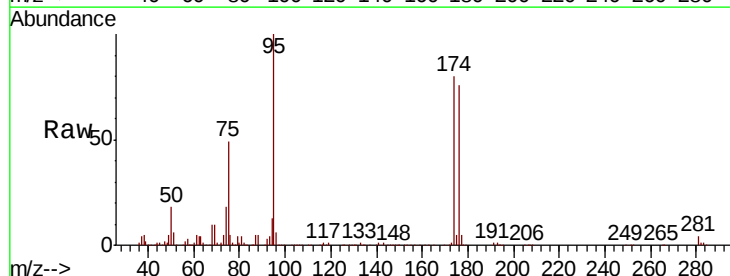
Tgt Ion: 95 Resp: 176393

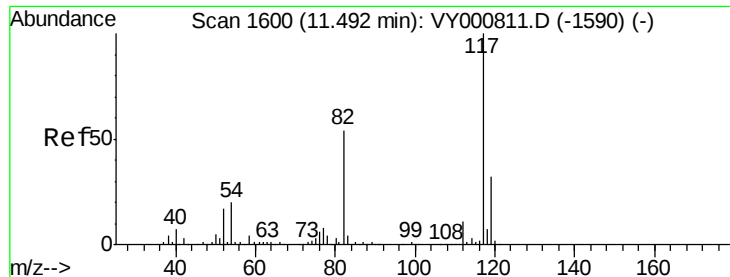
Ion Ratio Lower Upper

95 100

174 78.9 0.0 150.6

176 76.5 0.0 145.2

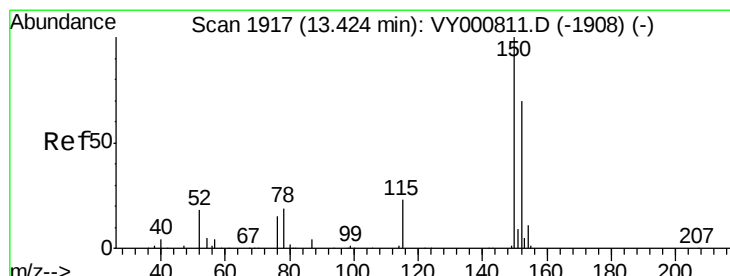
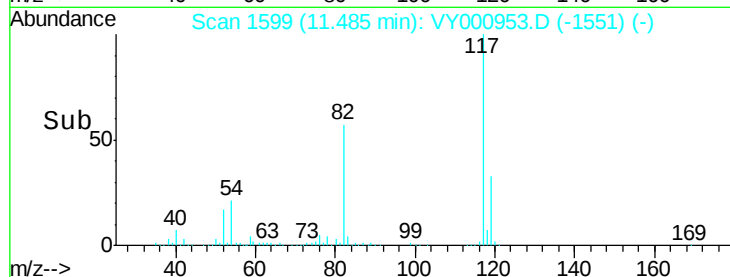
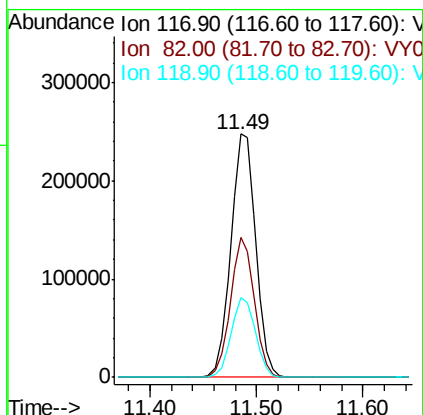
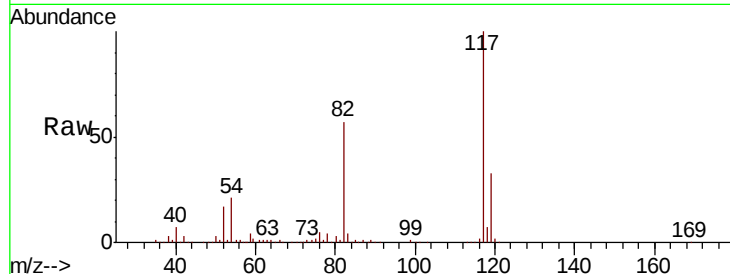




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000953.D
Acq: 16 Dec 2019 14:42

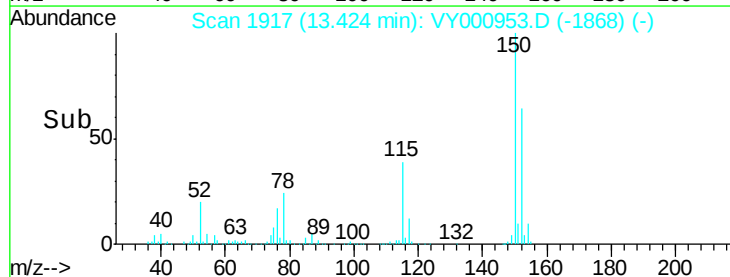
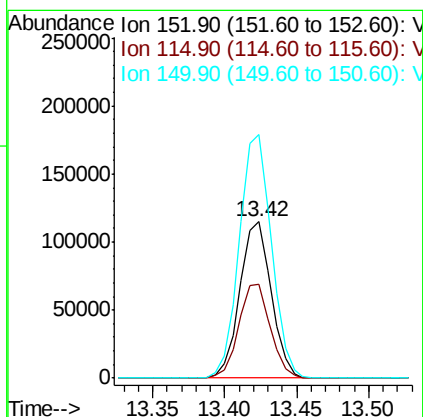
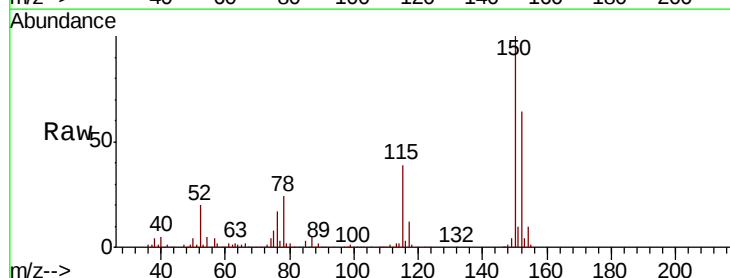
Instrument :
MSVOA_Y
ClientSampleId :
SP-01

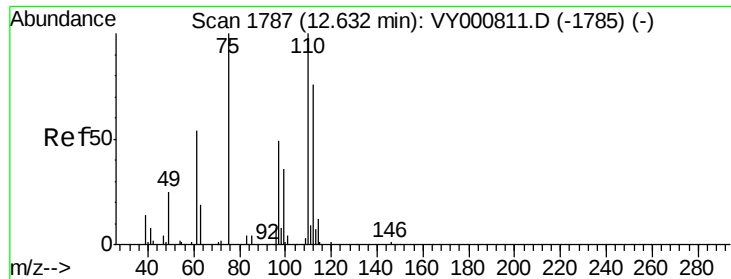
Tgt Ion:117 Resp: 405270
Ion Ratio Lower Upper
117 100
82 57.3 43.1 64.7
119 32.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000953.D
Acq: 16 Dec 2019 14:42

Tgt Ion:152 Resp: 173667
Ion Ratio Lower Upper
152 100
115 60.7 29.3 87.8
150 160.0 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 45.563 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000953.D

Acq: 16 Dec 2019 14:42

Instrument :

MSVOA_Y

ClientSampleId :

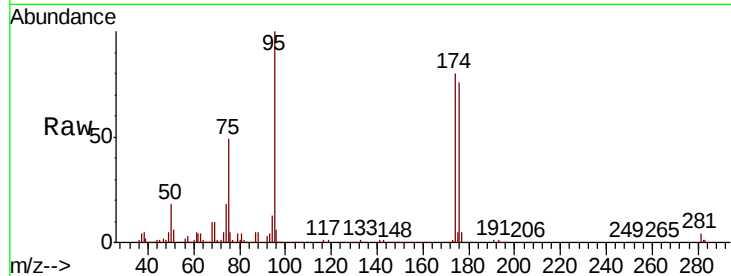
SP-01

Tgt Ion: 75 Resp: 89652

Ion Ratio Lower Upper

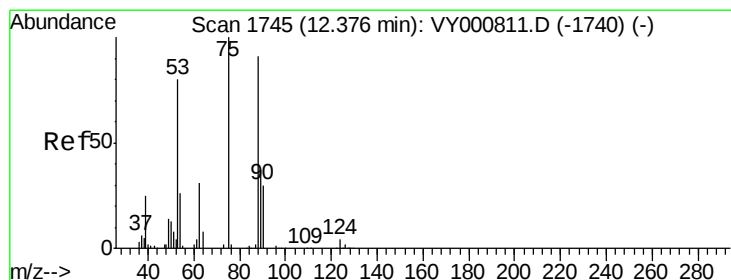
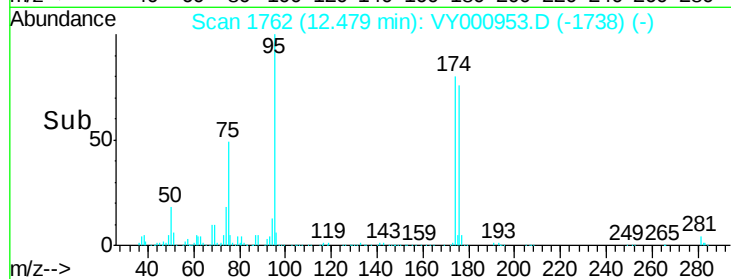
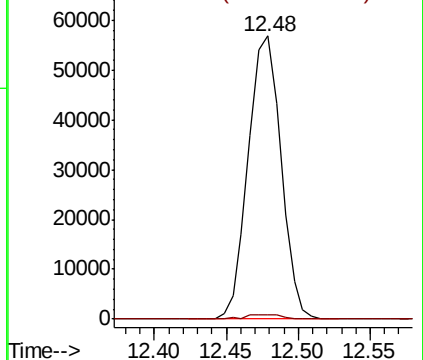
75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 89.500 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000953.D

Acq: 16 Dec 2019 14:42

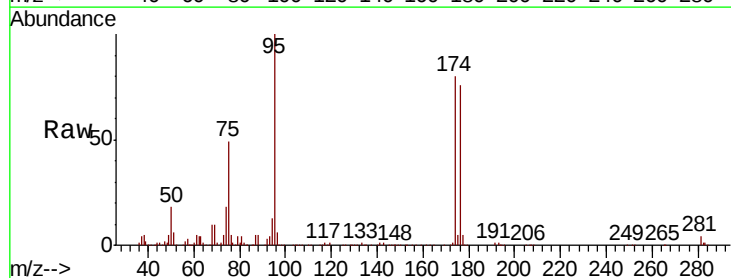
Tgt Ion: 75 Resp: 89652

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 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

