

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY000999.D
 Acq On : 18 Dec 2019 16:28
 Operator : SY/MD
 Sample : K6370-01
 Misc : 3.98G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 04:42:46 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	115844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	195971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	136081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	39833	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	41665	33.85	ug/l	0.00
Spiked Amount			Recovery	=	67.70%	
35) Dibromofluoromethane	7.72	113	48911	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	
50) Toluene-d8	10.18	98	217871	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.48	95	46337	27.02	ug/l	0.00
Spiked Amount			Recovery	=	54.04%	

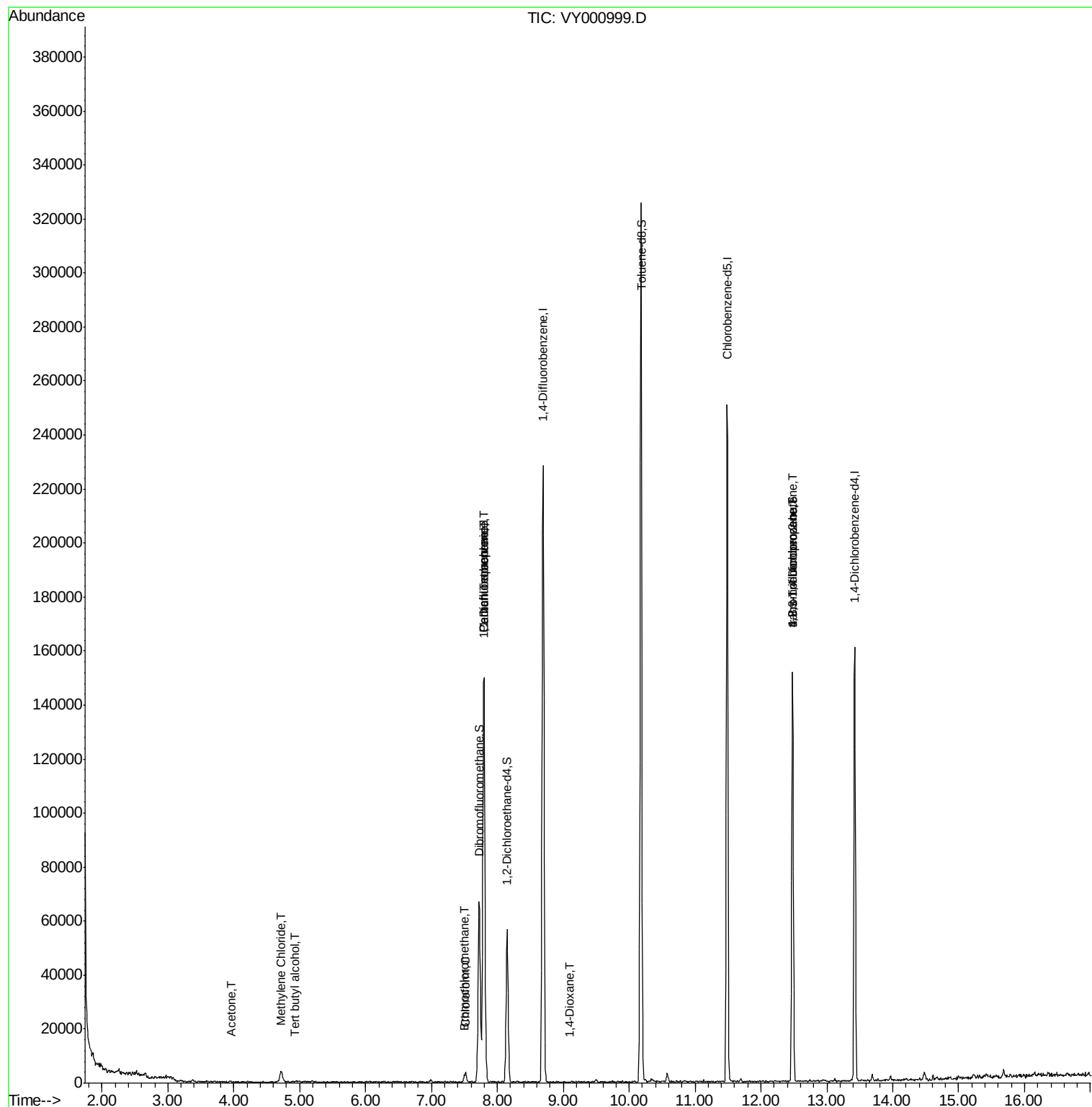
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	248	Below Cal	#	3
11) Tert butyl alcohol	4.94	59	147	1.19	ug/l #	74
16) Acetone	3.96	43	448	1.59	ug/l #	40
20) Methylene Chloride	4.72	84	3012	2.02	ug/l #	80
28) Bromochloromethane	7.50	49	119	2.14	ug/l #	15
30) Chloroform	7.52	83	3455	1.40	ug/l #	58
36) 1,1-Dichloropropene	7.79	75	9487	4.87	ug/l #	50
38) Carbon Tetrachloride	7.79	117	11721	6.75	ug/l #	16
49) 1,4-Dioxane	9.08	88	48	4.55	ug/l #	21
76) 1,2,3-Trichloropropane	12.48	75	23374	51.79	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	23374	101.73	ug/l #	17

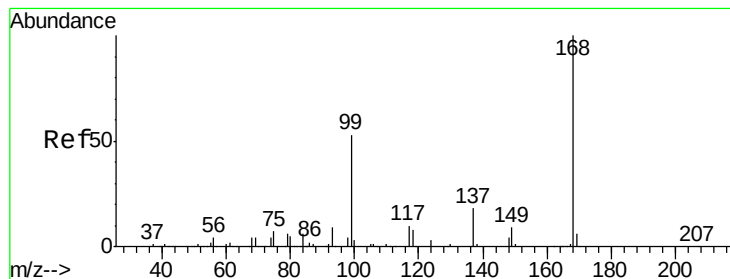
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Instrument :

MSVOA_Y

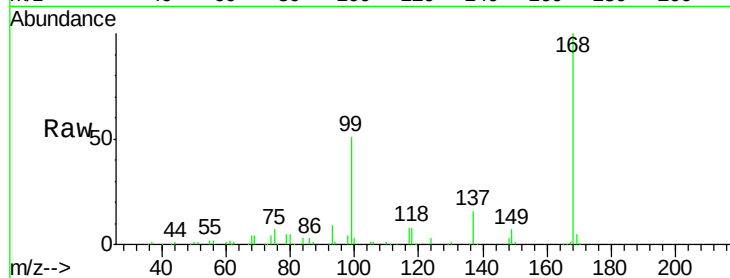
ClientSampleId :

Tot Ion:168 Resp: 115844

Ion Ratio Lower Upper

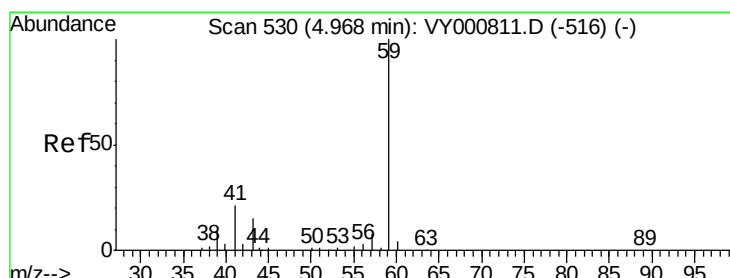
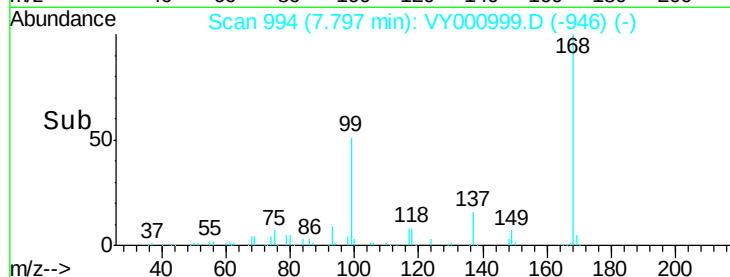
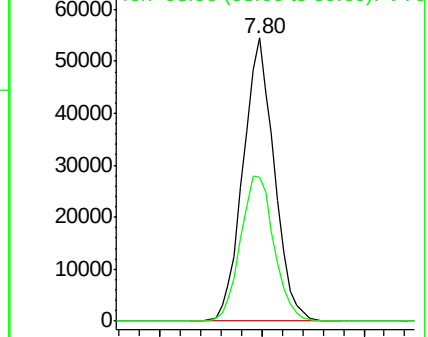
168 100

99 50.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000999.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000999.D (-946) (-)



#11

Tert butyl alcohol

Concen: 1.19 ug/l

RT: 4.94 min Scan# 525

Delta R.T. -0.03 min

Lab File: VY000999.D

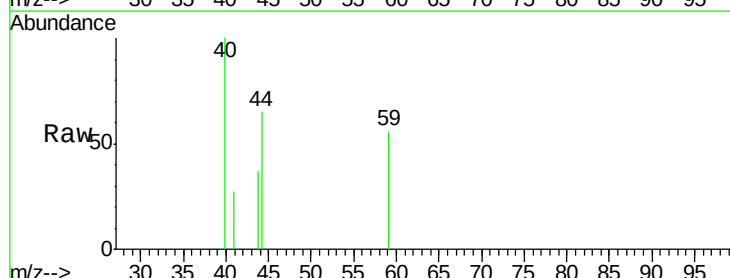
Acq: 18 Dec 2019 16:28

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

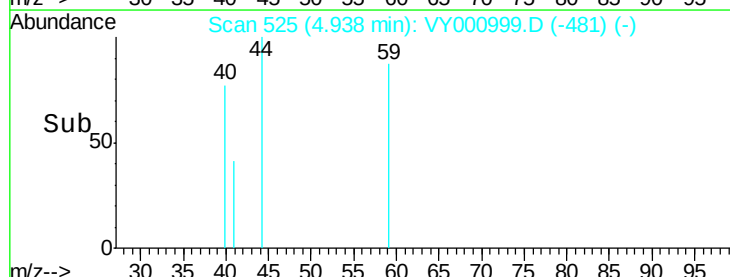
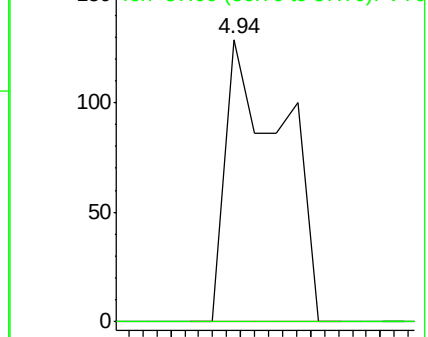
59 100

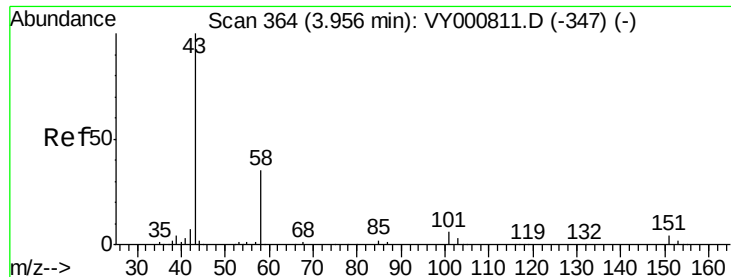
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000999.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY000999.D (-481) (-)





#16

Acetone

Concen: 1.59 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Instrument :

MSVOA_Y

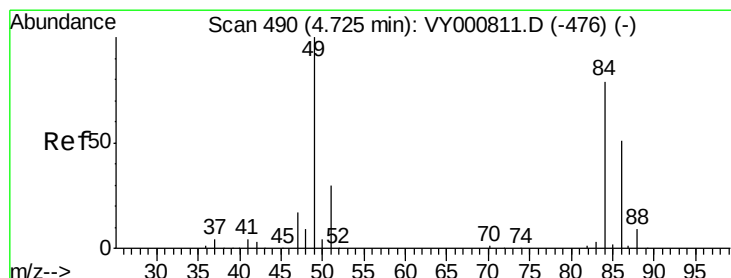
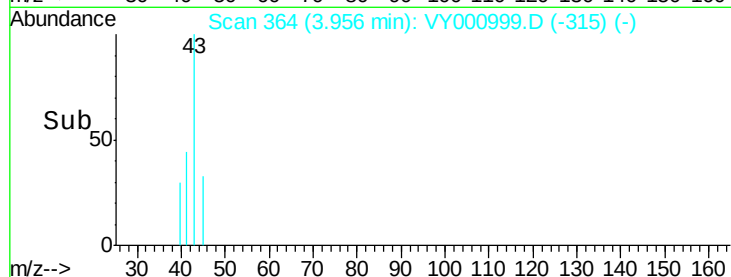
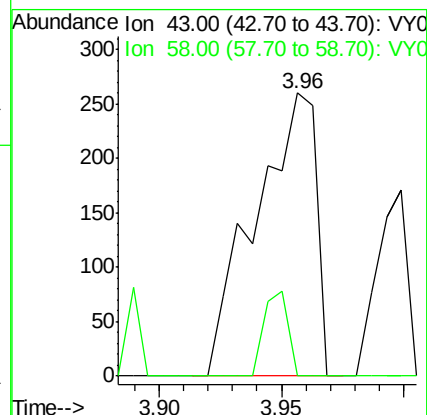
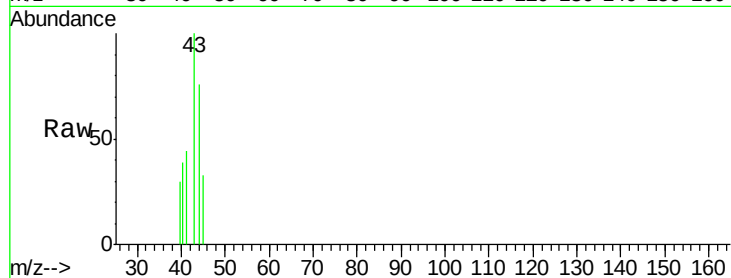
ClientSampleId :

Tot Ion: 43 Resp: 448

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: 2.02 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Tgt Ion: 84 Resp: 3012

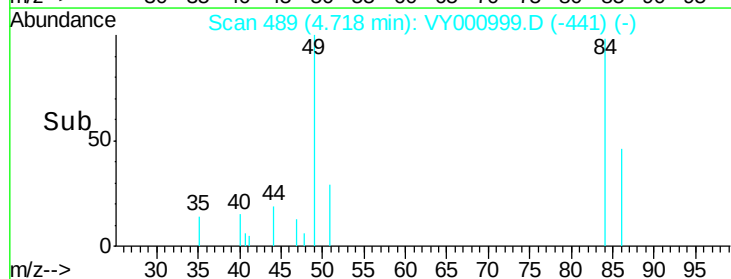
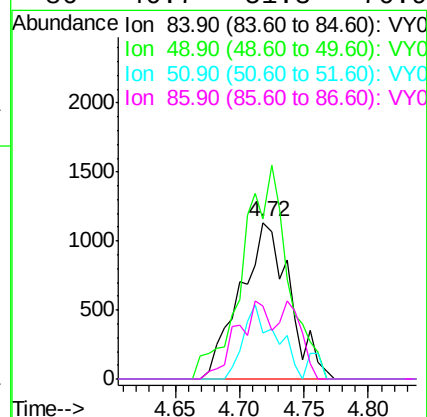
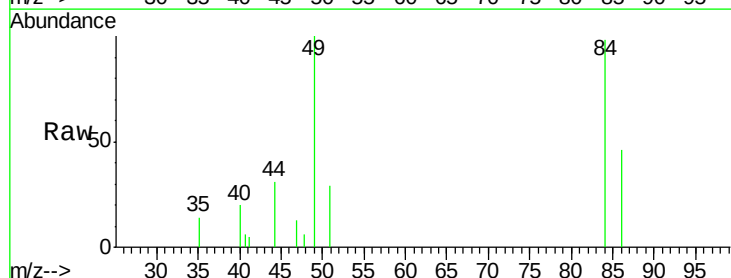
Ion Ratio Lower Upper

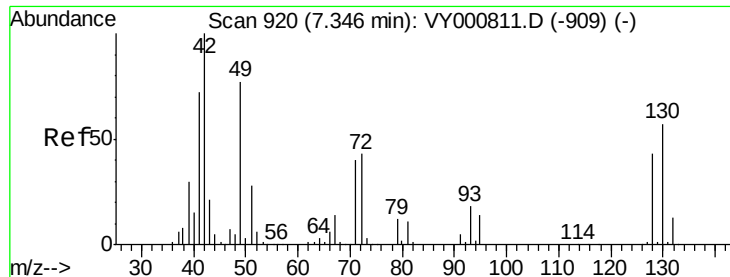
84 100

49 102.5 101.3 151.9

51 29.5 30.6 45.8#

86 46.7 51.3 76.9#





#28

Bromochloromethane

Concen: 2.14 ug/l

RT: 7.50 min Scan# 945

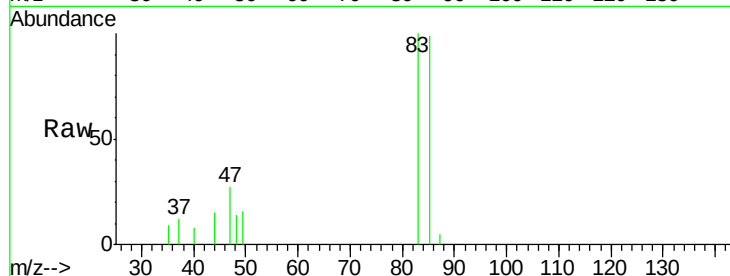
Delta R.T. 0.15 min

Lab File: VY000999.D

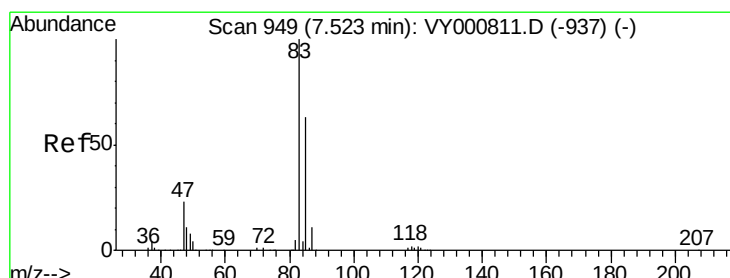
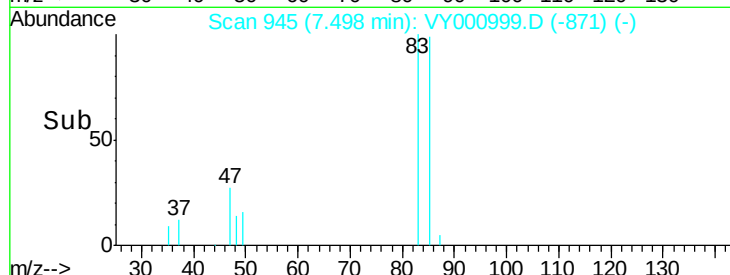
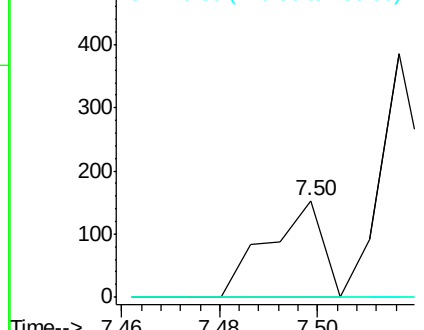
Acq: 18 Dec 2019 16:28

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 119
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 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



#30

Chloroform

Concen: 1.40 ug/l

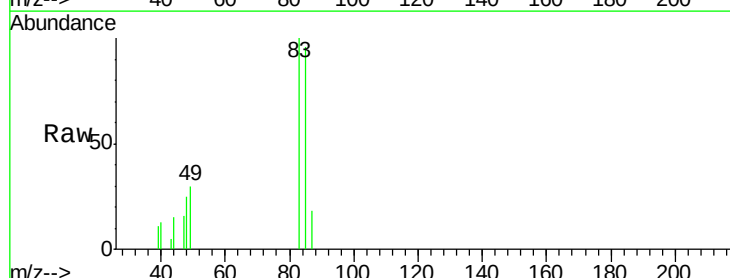
RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

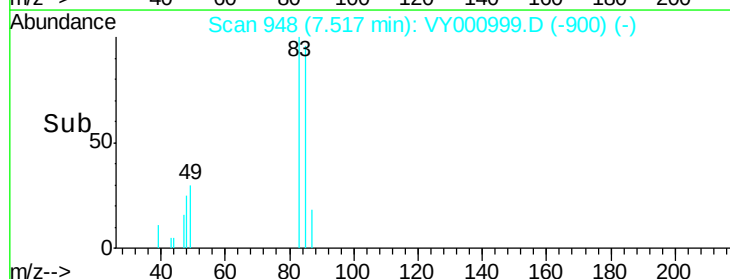
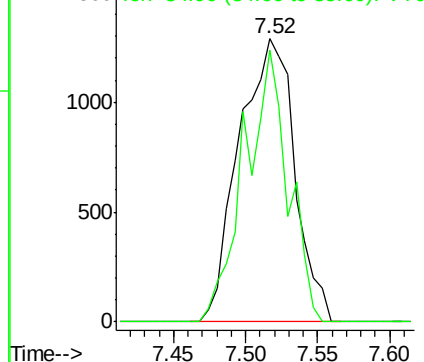
Lab File: VY000999.D

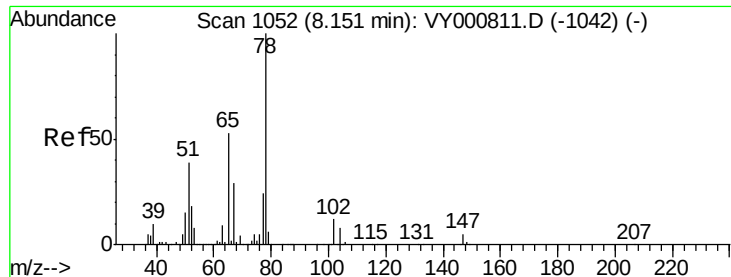
Acq: 18 Dec 2019 16:28

Tgt Ion: 83 Resp: 3455
Ion Ratio Lower Upper
83 100
85 95.9 50.4 75.6#



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0

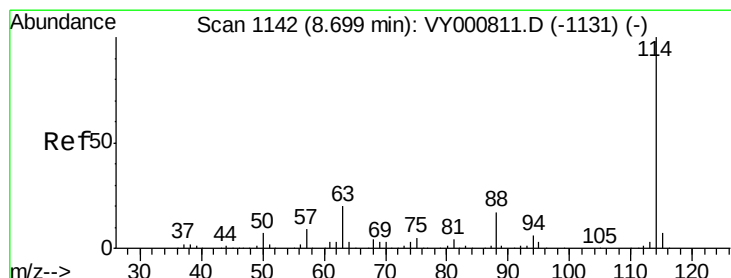
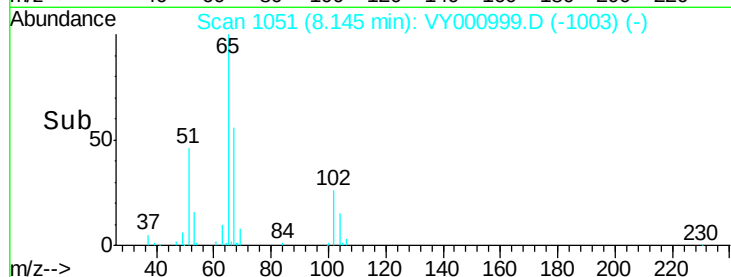
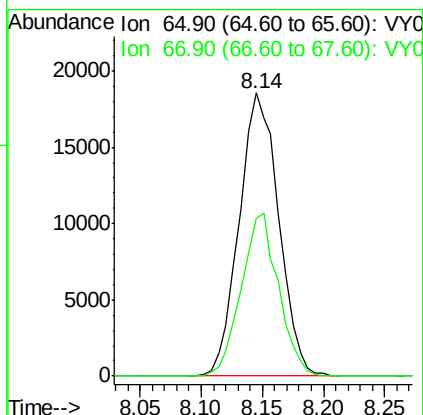
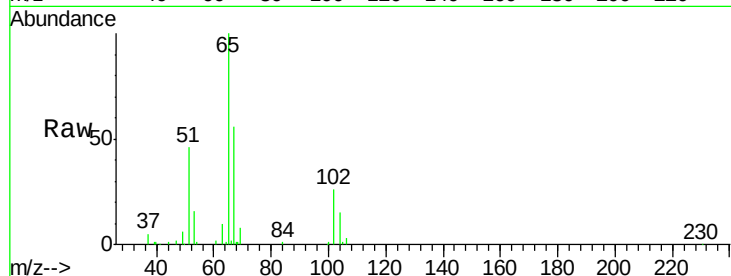




#33
 1,2-Dichloroethane-d4
 Concen: 33.85 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY000999.D
 Acq: 18 Dec 2019 16:28

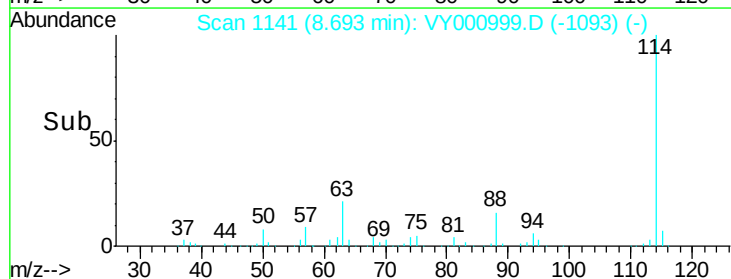
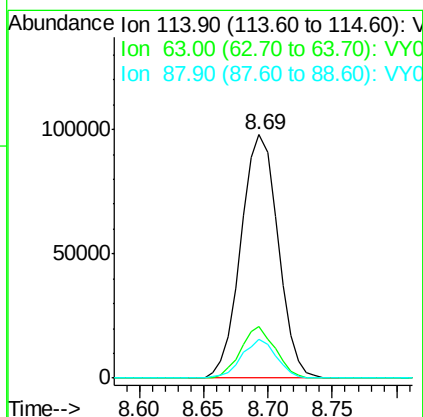
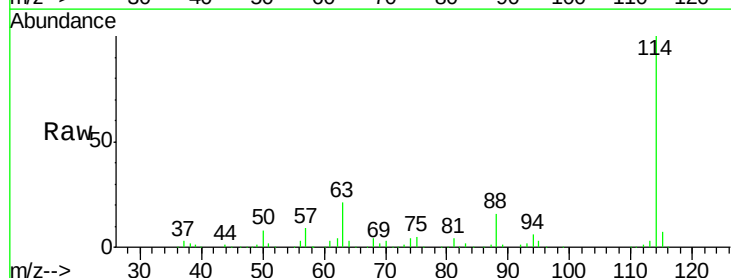
Instrument :
 MSVOA_Y
 ClientSampleId :

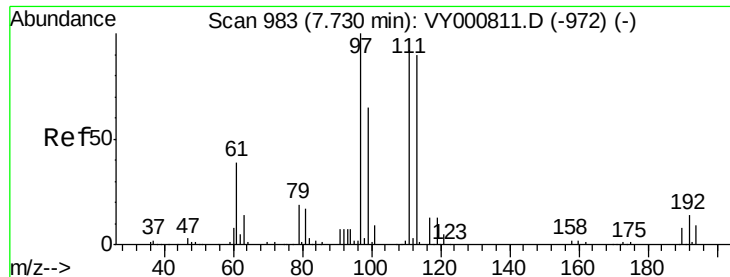
Tot Ion: 65 Resp: 41665
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000999.D
 Acq: 18 Dec 2019 16:28

Tgt Ion: 114 Resp: 195971
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.8
 88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 42.82 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Instrument :
MSVOA_Y
ClientSampled :

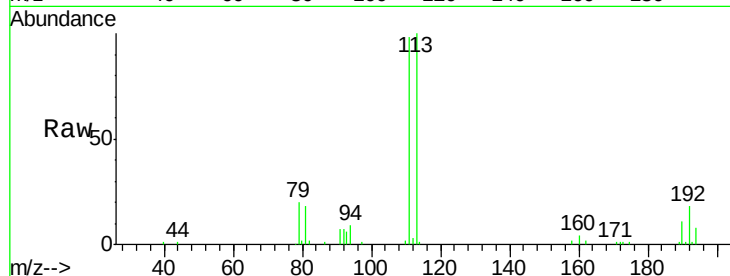
Tot Ion:113 Resp: 48911

Ion Ratio Lower Upper

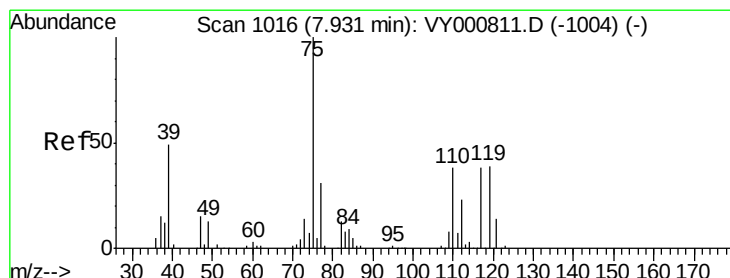
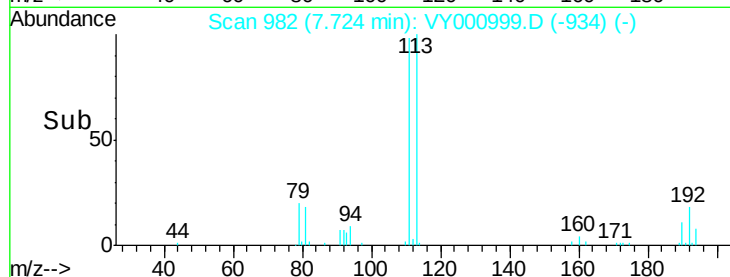
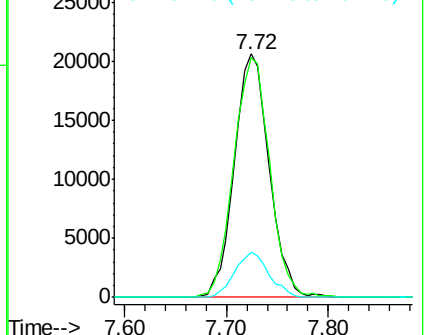
113 100

111 101.6 82.4 123.6

192 18.3 14.2 21.2



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: 4.87 ug/l

RT: 7.79 min Scan# 992

Delta R.T. -0.15 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

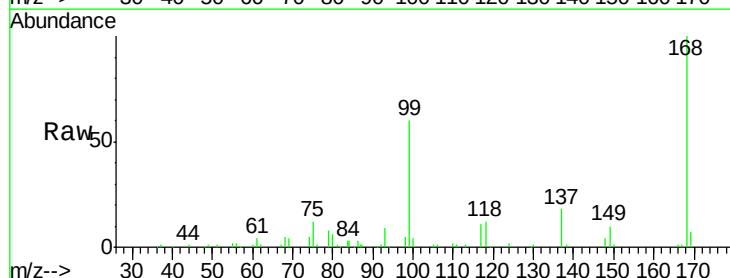
Tgt Ion: 75 Resp: 9487

Ion Ratio Lower Upper

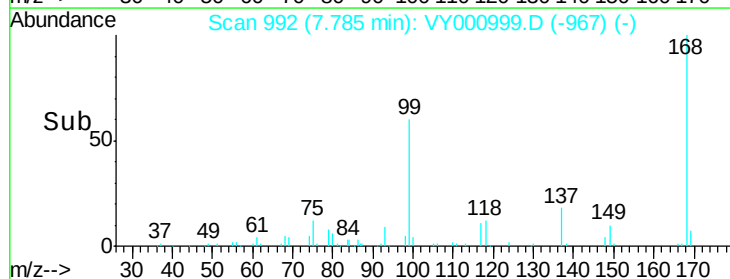
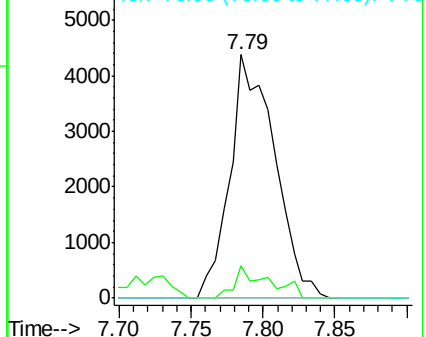
75 100

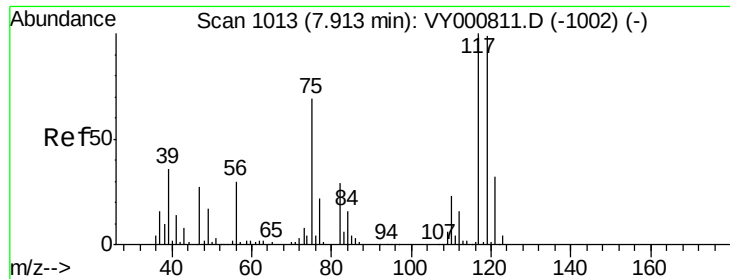
110 9.9 17.9 53.7#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.75 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Instrument :

MSVOA_Y

ClientSampleId :

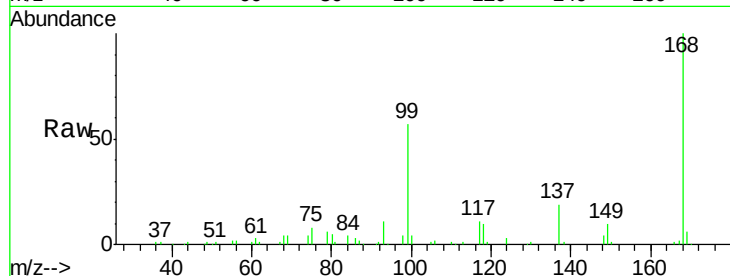
Tot Ion:117 Resp: 11721

Ion Ratio Lower Upper

117 100

119 6.7 79.3 118.9#

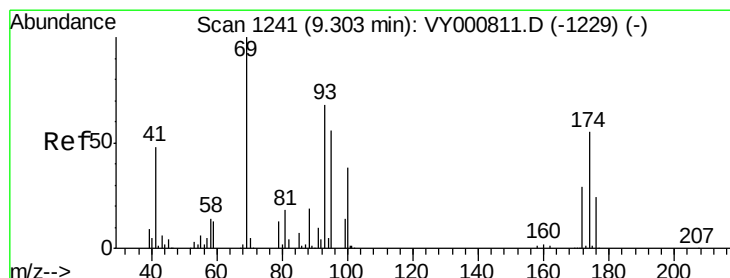
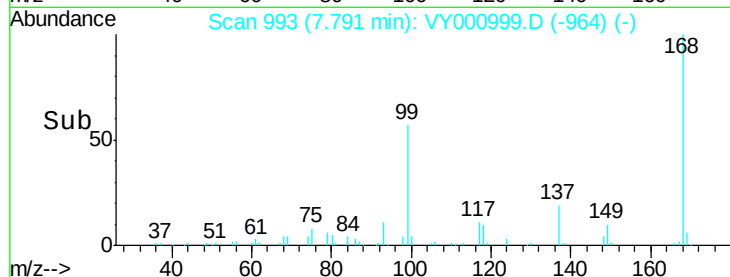
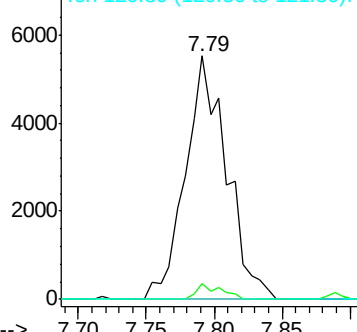
121 0.0 25.5 38.3#



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: 4.55 ug/l

RT: 9.08 min Scan# 1205

Delta R.T. -0.22 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

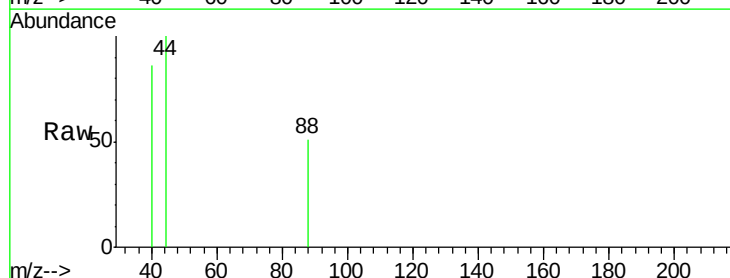
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 64.6 21.1 31.7#

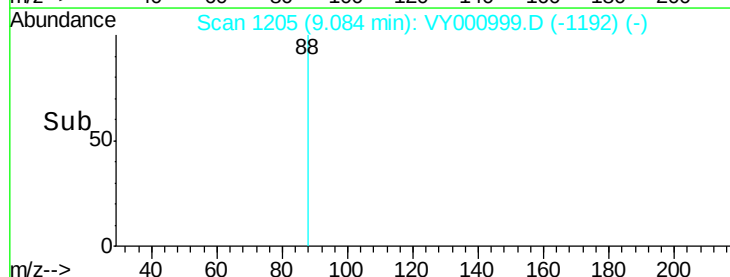
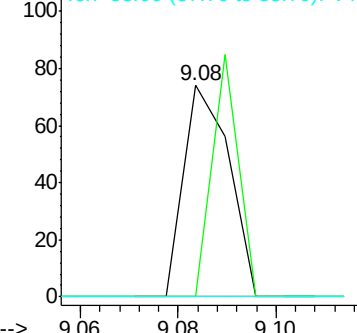
58 0.0 50.7 76.1#

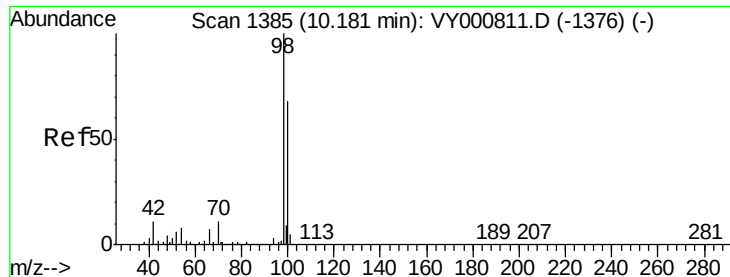


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 47.71 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Instrument :

MSVOA_Y

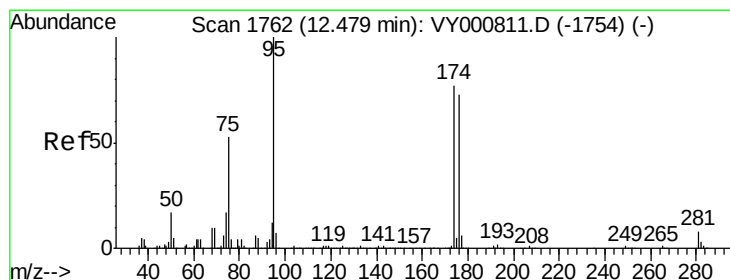
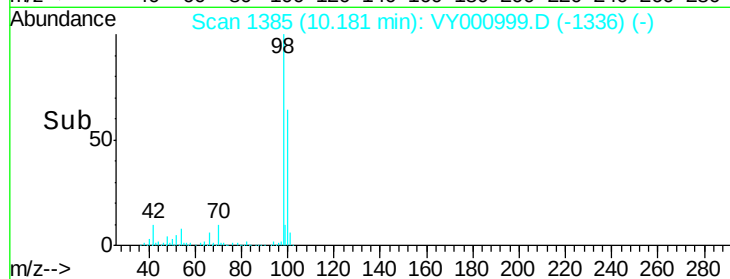
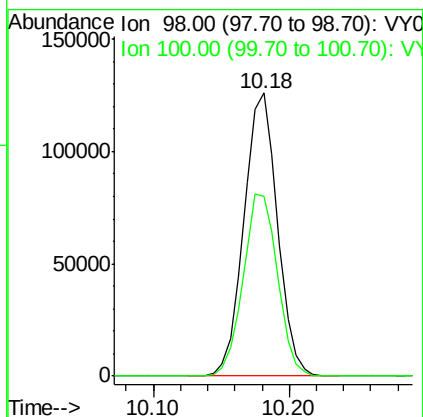
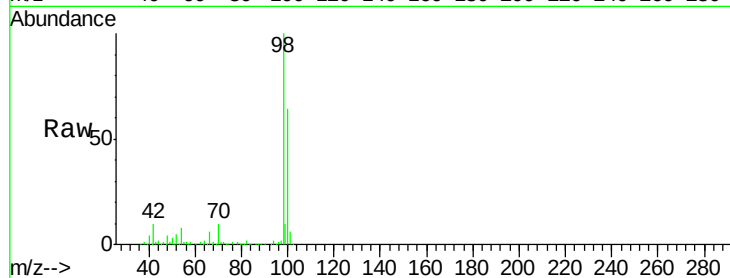
ClientSampled :

Tot Ion: 98 Resp: 217871

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 27.02 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

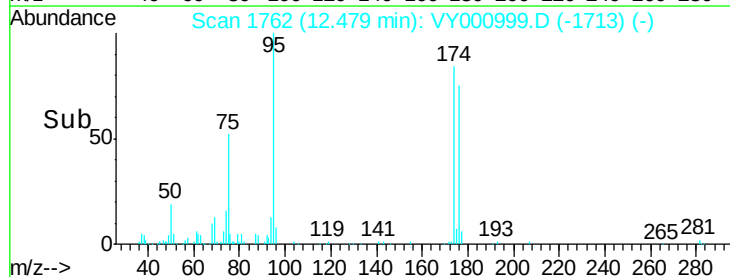
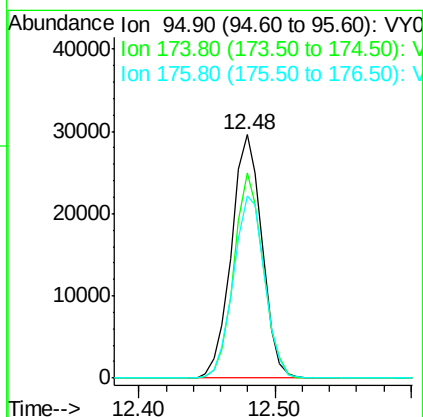
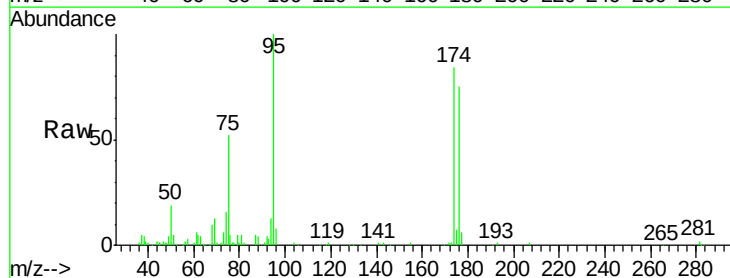
Tgt Ion: 95 Resp: 46337

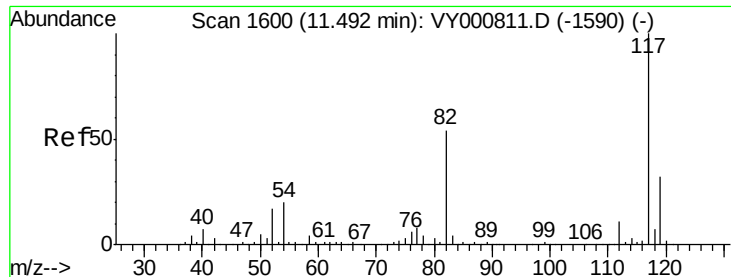
Ion Ratio Lower Upper

95 100

174 80.3 0.0 150.6

176 76.6 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Instrument :

MSVOA_Y

ClientSampleId :

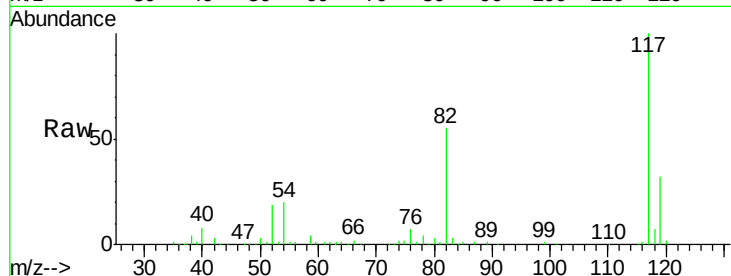
Tot Ion:117 Resp: 136081

Ion Ratio Lower Upper

117 100

82 55.0 43.1 64.7

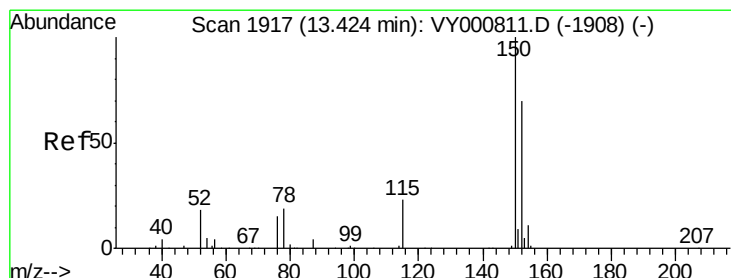
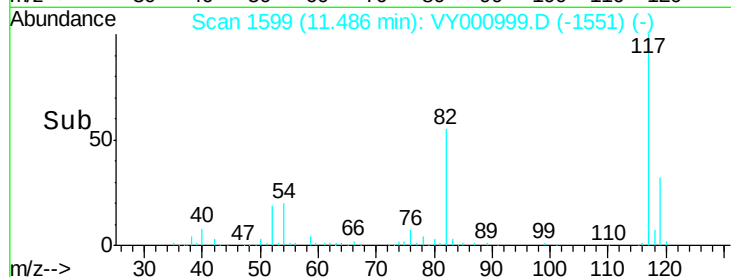
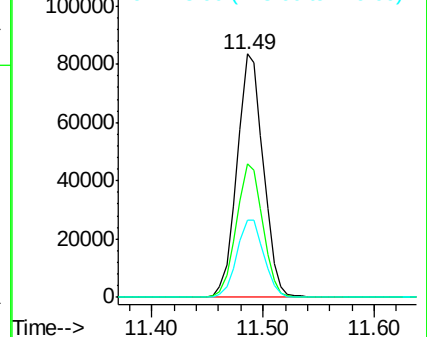
119 31.9 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

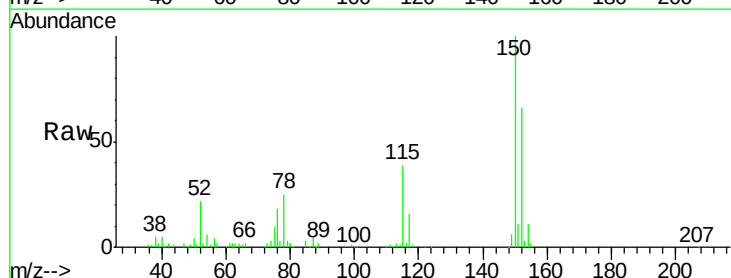
Tgt Ion:152 Resp: 39833

Ion Ratio Lower Upper

152 100

115 59.9 29.3 87.8

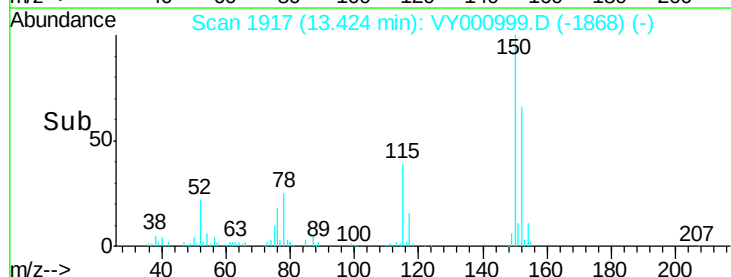
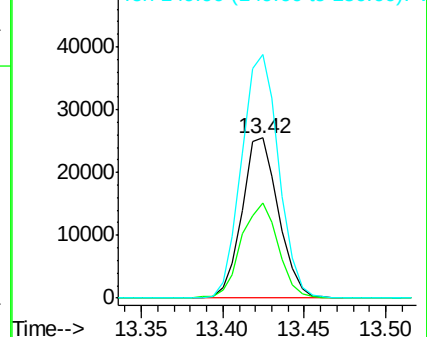
150 154.4 0.0 351.2

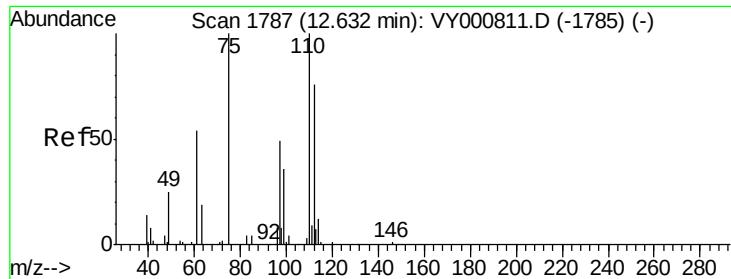


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 51.79 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Instrument :

MSVOA_Y

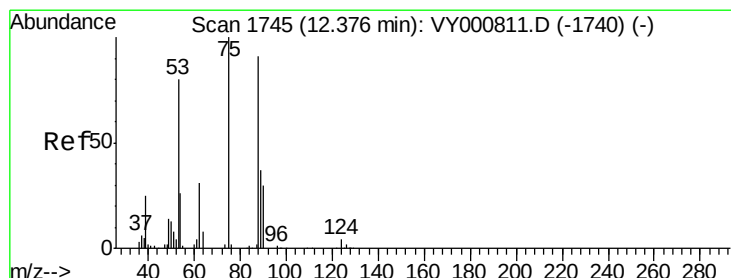
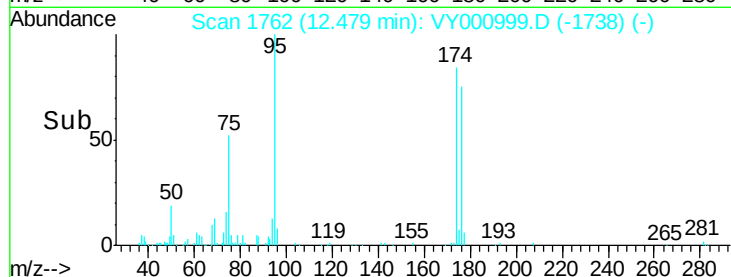
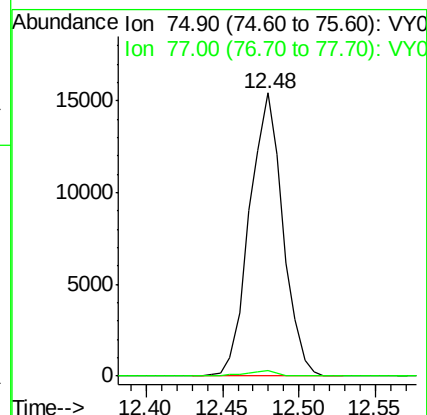
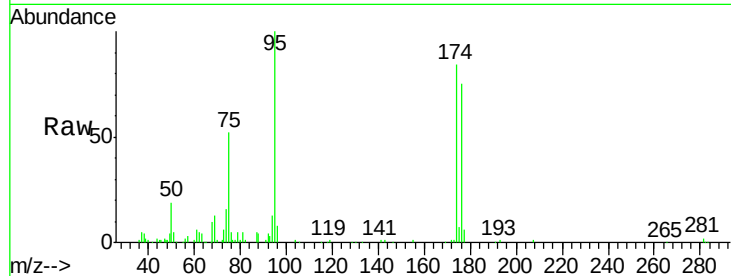
ClientSampleId :

Tot Ion: 75 Resp: 23374

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.73 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000999.D

Acq: 18 Dec 2019 16:28

Tgt Ion: 75 Resp: 23374

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 33.6 50.4#

