

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY001000.D
 Acq On : 18 Dec 2019 16:50
 Operator : SY/MD
 Sample : K6370-03
 Misc : 6.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 04:42:58 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	220644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	408411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	352159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	137446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	127246	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.72	113	121484	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
50) Toluene-d8	10.18	98	487259	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.48	95	144538	40.44	ug/l	0.00
Spiked Amount			Recovery	=	80.88%	

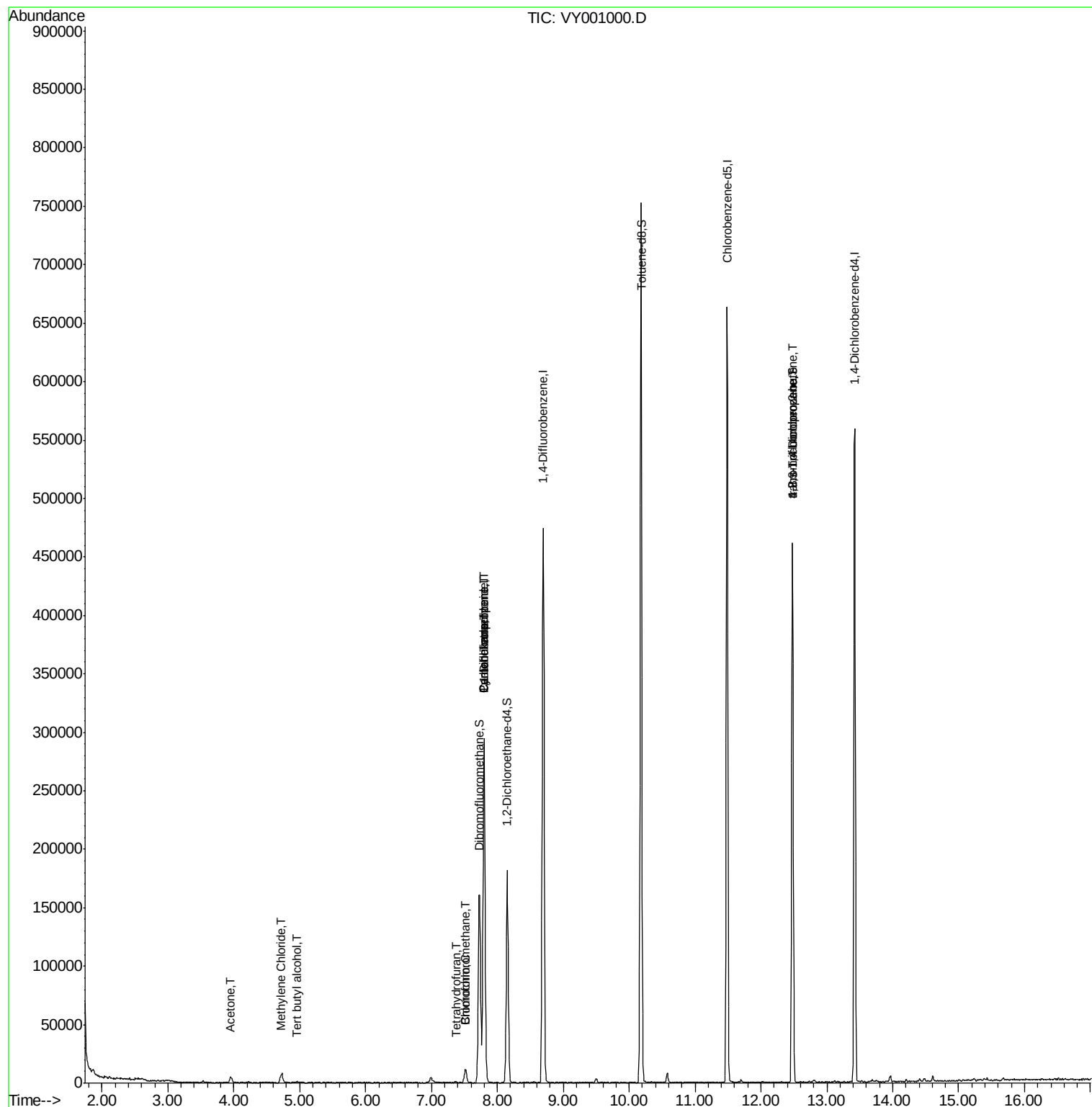
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	40	Below Cal	#	3
11) Tert butyl alcohol	4.95	59	914	3.87	ug/l #	74
16) Acetone	3.96	43	7659	14.24	ug/l #	85
20) Methylene Chloride	4.72	84	5134	1.81	ug/l #	69
28) Bromochloromethane	7.52	49	960	2.55	ug/l #	15
29) Tetrahydrofuran	7.36	42	722	1.10	ug/l #	62
30) Chloroform	7.51	83	11553	2.45	ug/l	97
31) Cyclohexane	7.80	56	5117	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18868	4.65	ug/l #	49
38) Carbon Tetrachloride	7.79	117	20778	5.75	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	73980	47.51	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	73980	93.32	ug/l #	18

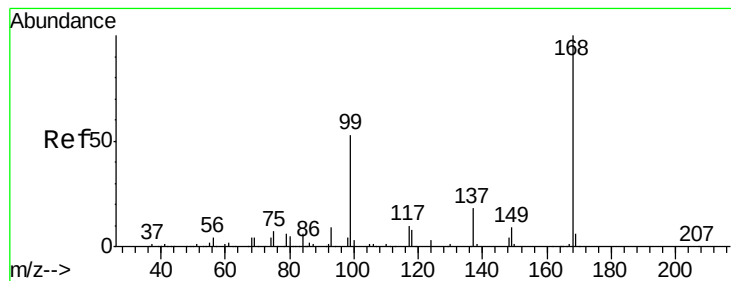
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001000.D

Acq: 18 Dec 2019 16:50

Instrument :

MSVOA_Y

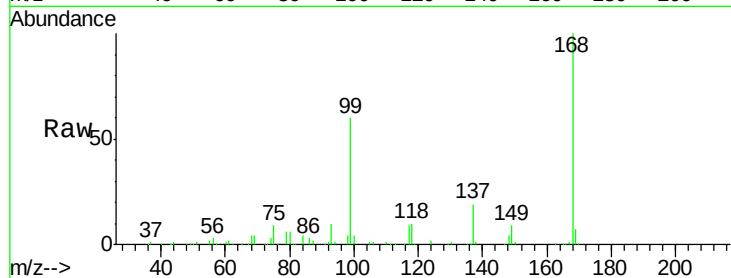
ClientSampleId :

Tot Ion:168 Resp: 220644

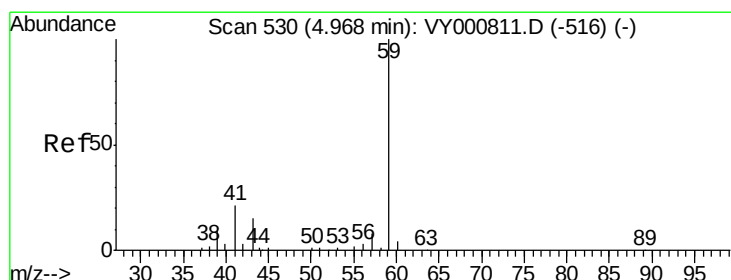
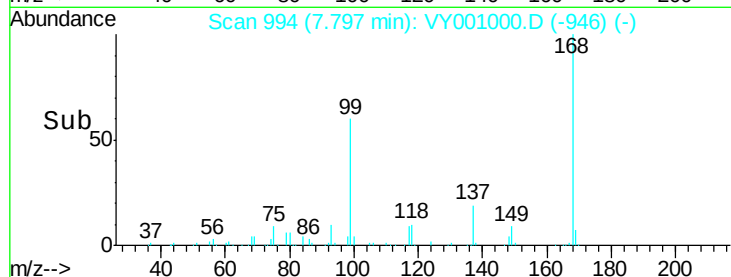
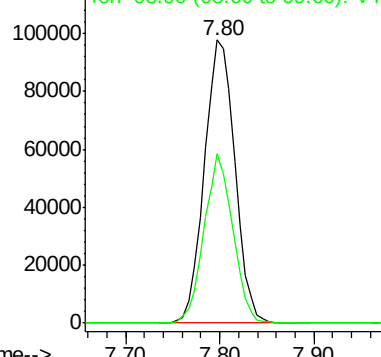
Ion Ratio Lower Upper

168 100

99 60.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY001000.D (-946) (-)



#11

Tert butyl alcohol

Concen: 3.87 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY001000.D

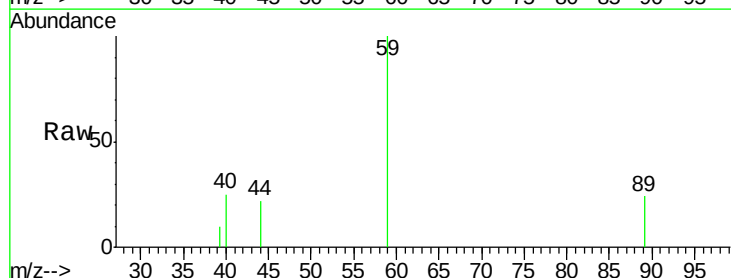
Acq: 18 Dec 2019 16:50

Tgt Ion: 59 Resp: 914

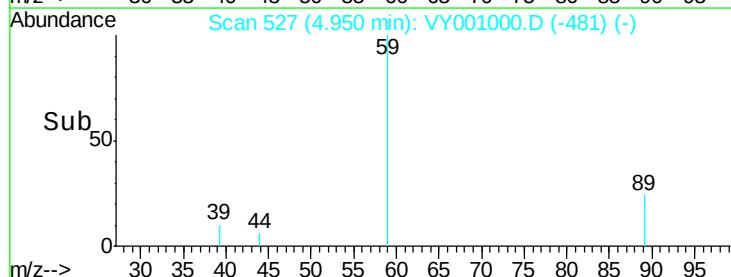
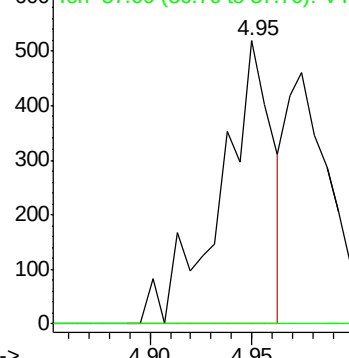
Ion Ratio Lower Upper

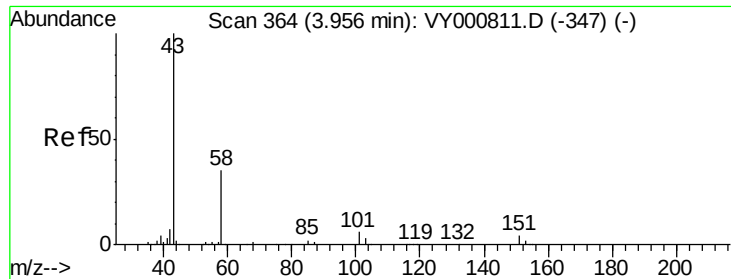
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001000.D (-481) (-)





#16

Acetone

Concen: 14.24 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY001000.D

Acq: 18 Dec 2019 16:50

Instrument :

MSVOA_Y

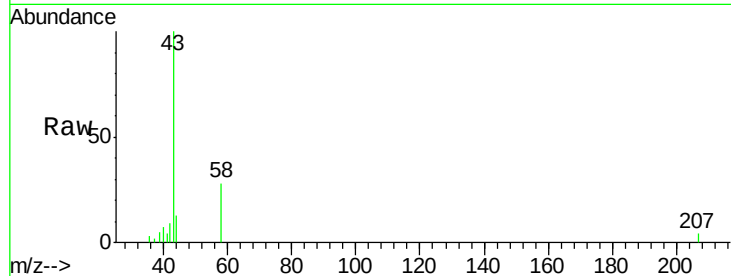
ClientSampleId :

Tot Ion: 43 Resp: 7659

Ion Ratio Lower Upper

43 100

58 26.1 28.0 42.0#

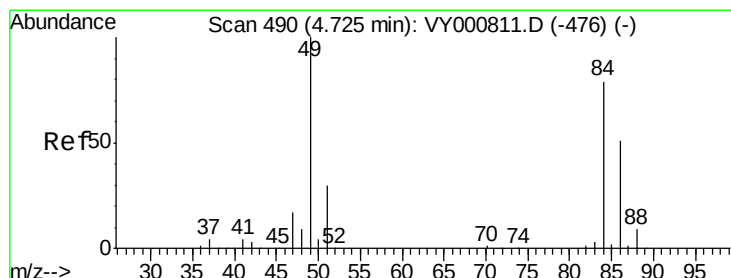
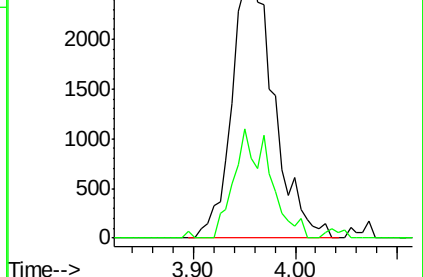
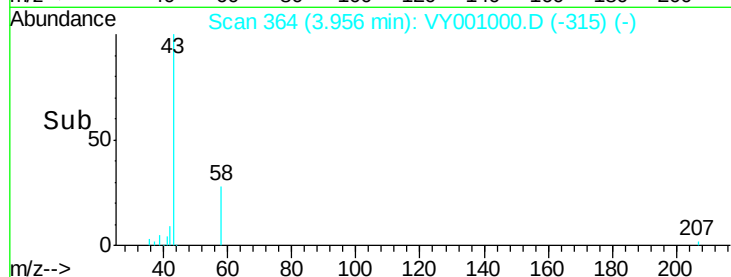


Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-347) (-)

3.96

Time-->



#20

Methylene Chloride

Concen: 1.81 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY001000.D

Acq: 18 Dec 2019 16:50

Tgt Ion: 84 Resp: 5134

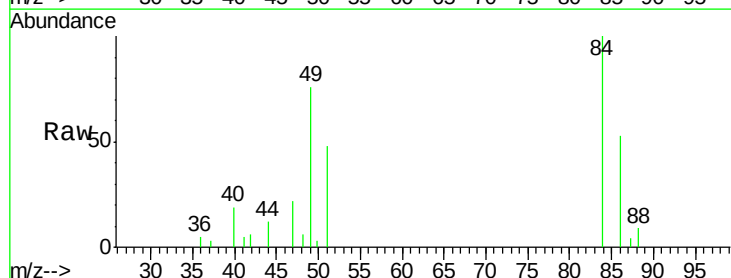
Ion Ratio Lower Upper

84 100

49 76.2 101.3 151.9#

51 48.4 30.6 45.8#

86 53.4 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000811.D (-476) (-)

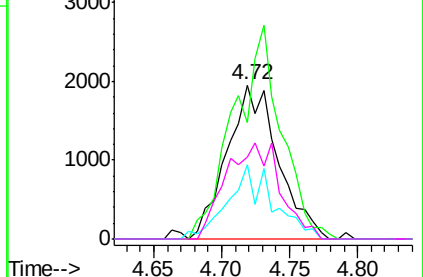
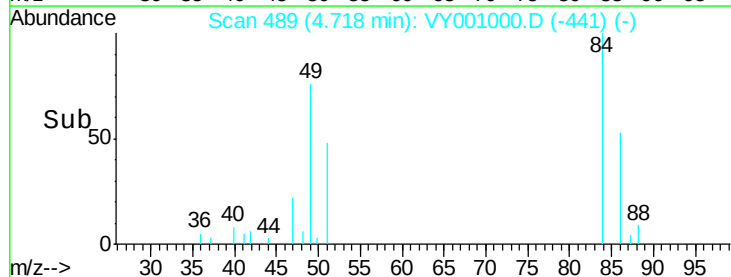
Ion 48.90 (48.60 to 49.60): VY000811.D (-476) (-)

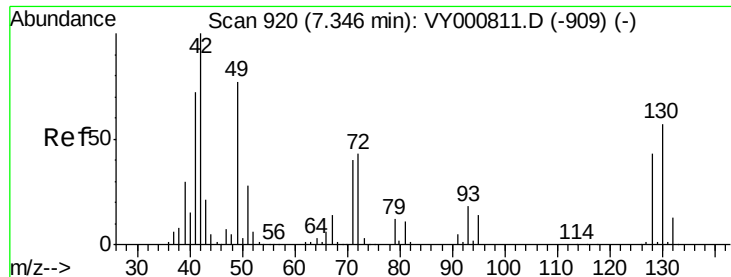
Ion 50.90 (50.60 to 51.60): VY000811.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY000811.D (-476) (-)

4.72

Time-->





#28

Bromochloromethane

Concen: 2.55 ug/l

RT: 7.52 min Scan# 949

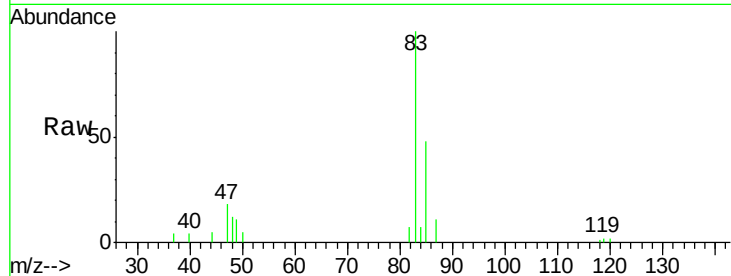
Delta R.T. 0.18 min

Lab File: VY001000.D

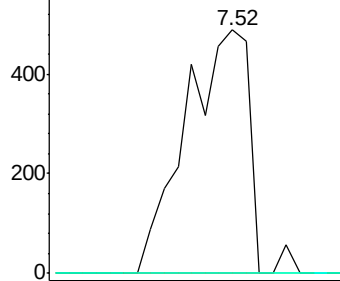
Acq: 18 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampleId :

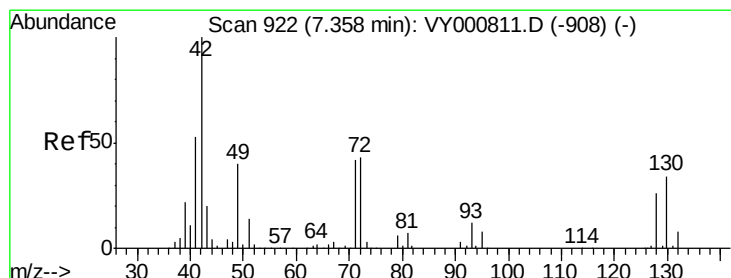
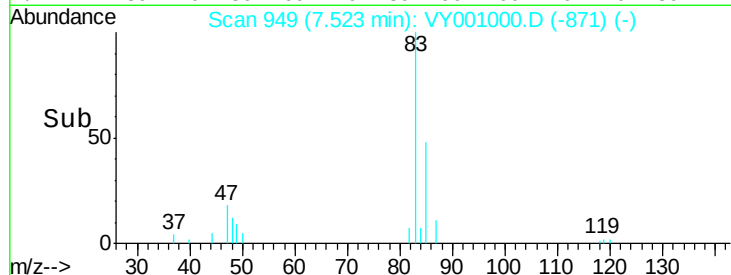
Tot Ion: 49 Resp: 960
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



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



Time-->



#29

Tetrahydrofuran

Concen: 1.10 ug/l

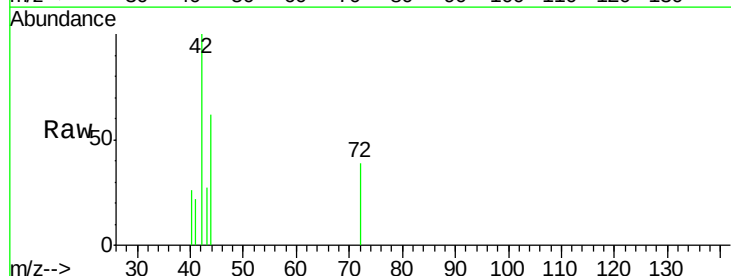
RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

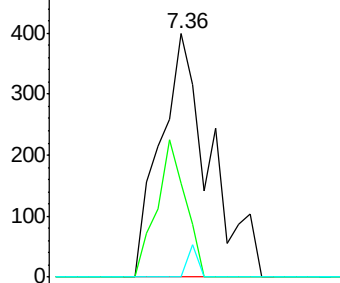
Lab File: VY001000.D

Acq: 18 Dec 2019 16:50

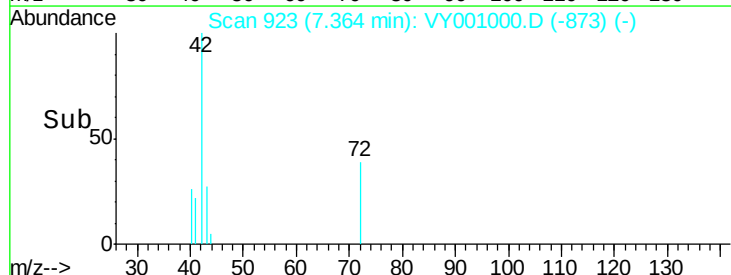
Tgt Ion: 42 Resp: 722
Ion Ratio Lower Upper
42 100
72 33.0 35.1 52.7#
71 2.6 32.8 49.2#

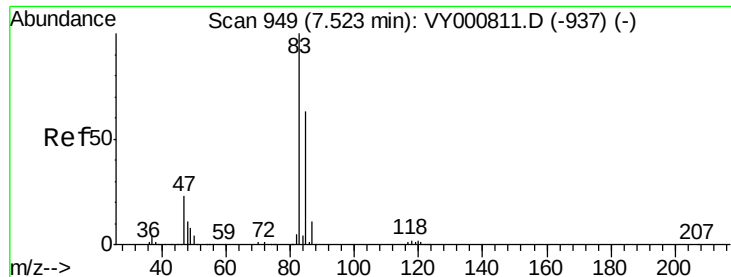


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



Time-->

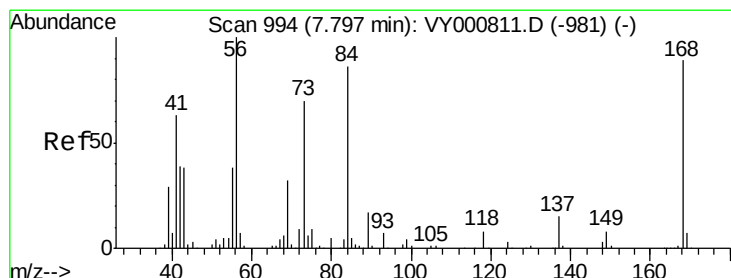
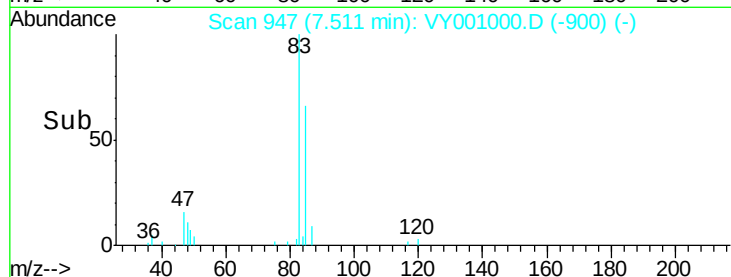
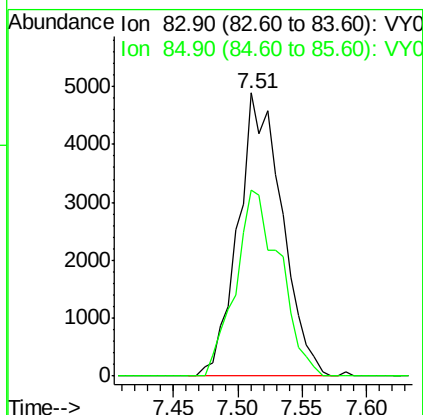
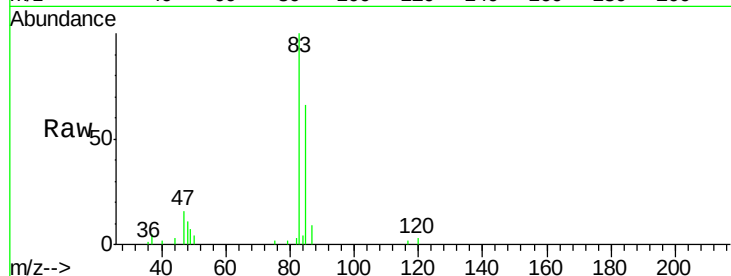




#30
Chloroform
Concen: 2.45 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY001000.D
Acq: 18 Dec 2019 16:50

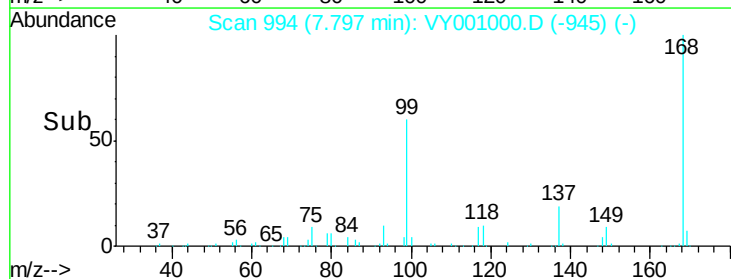
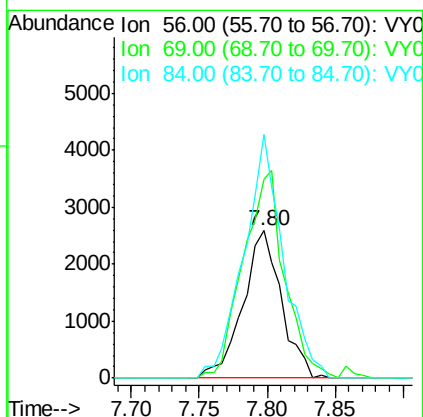
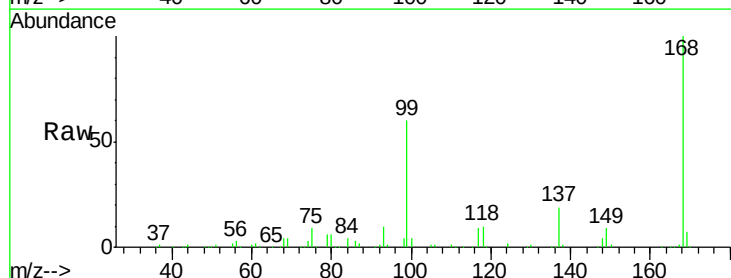
Instrument :
MSVOA_Y
ClientSampleId :

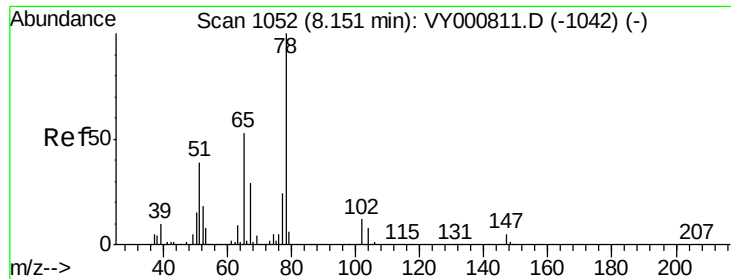
Tot Ion: 83 Resp: 11553
Ion Ratio Lower Upper
83 100
85 65.6 50.4 75.6



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY001000.D
Acq: 18 Dec 2019 16:50

Tgt Ion: 56 Resp: 5117
Ion Ratio Lower Upper
56 100
69 135.1 25.9 38.9#
84 165.1 68.6 102.8#

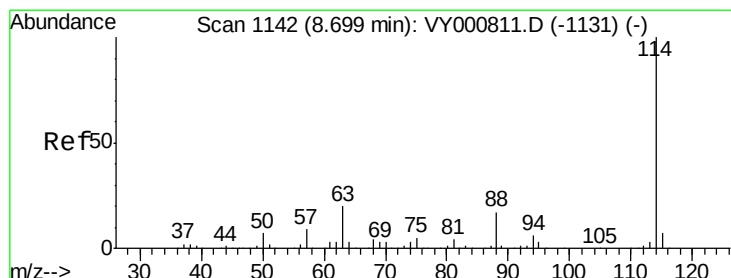
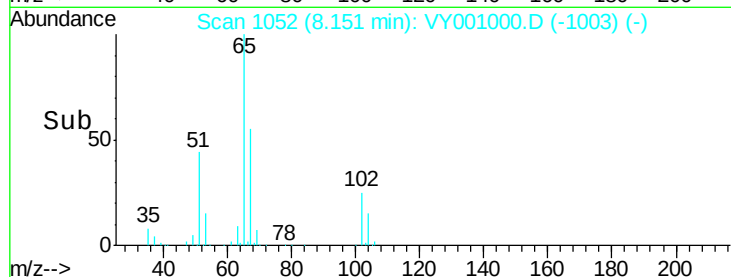
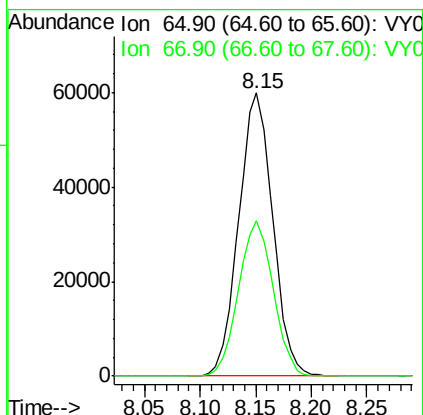
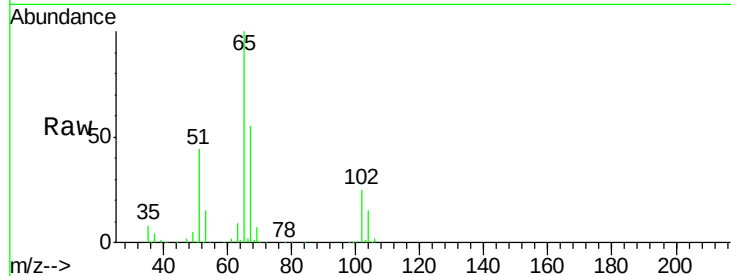




#33
 1,2-Dichloroethane-d4
 Concen: 54.27 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001000.D
 Acq: 18 Dec 2019 16:50

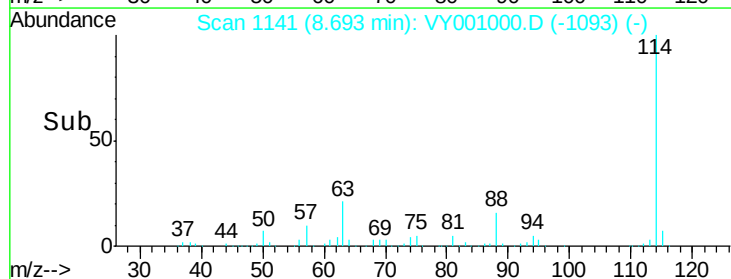
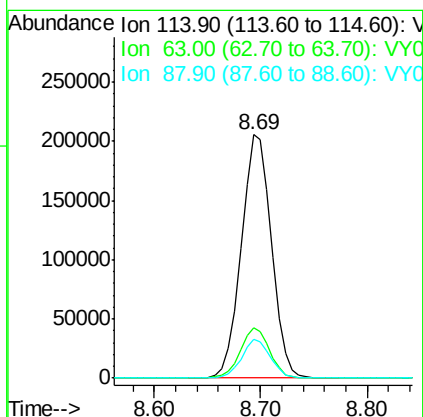
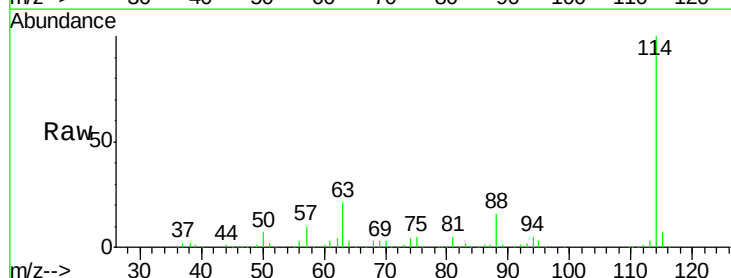
Instrument :
 MSVOA_Y
 ClientSampleId :

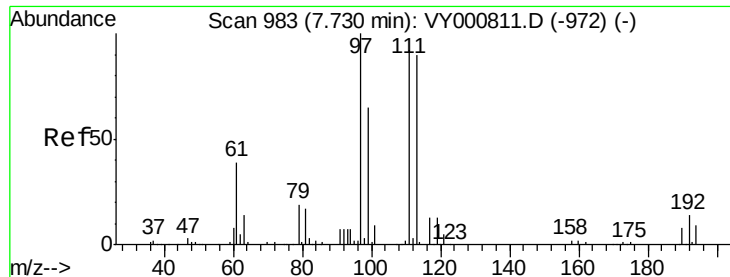
Tot Ion: 65 Resp: 127246
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY001000.D
 Acq: 18 Dec 2019 16:50

Tgt Ion: 114 Resp: 408411
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.8
 88 16.1 0.0 33.2

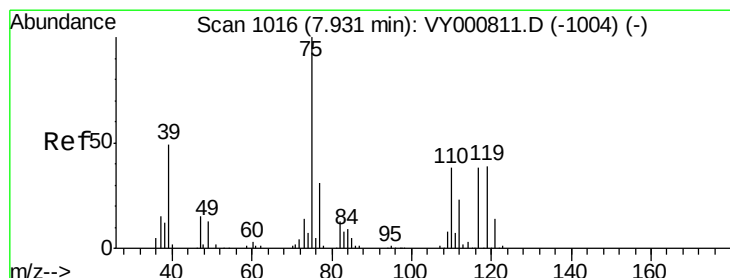
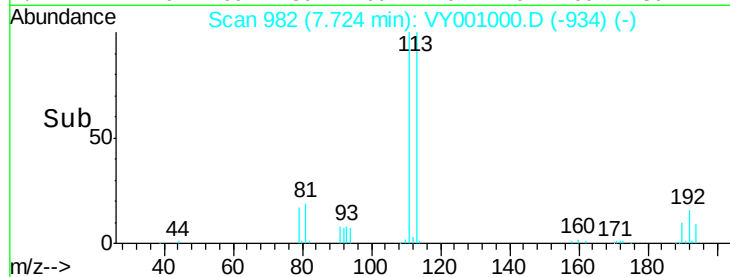
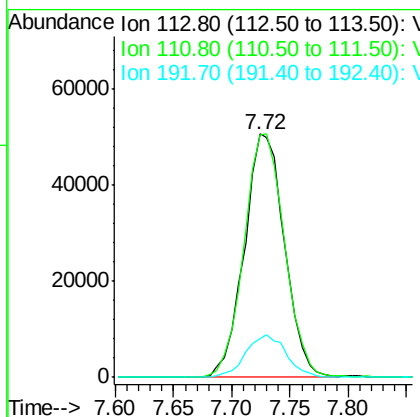
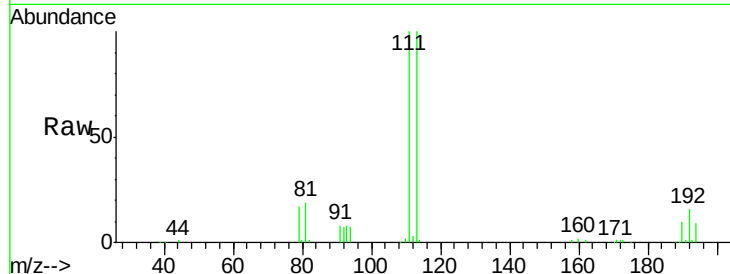




#35
 Dibromofluoromethane
 Concen: 51.04 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY001000.D
 Acq: 18 Dec 2019 16:50

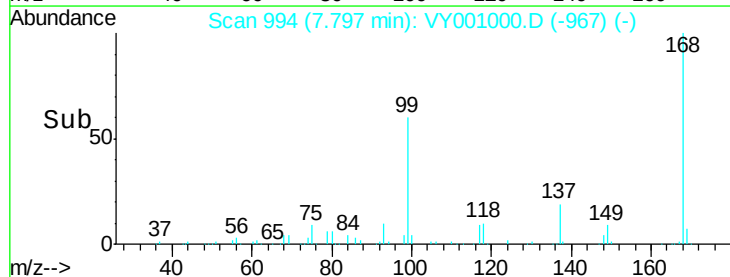
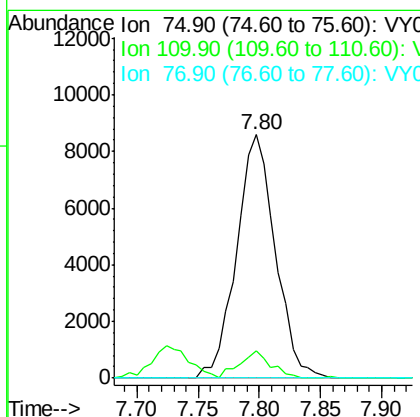
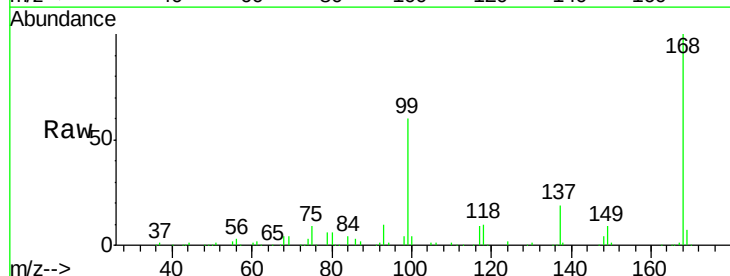
Instrument :
 MSVOA_Y
 ClientSampleId :

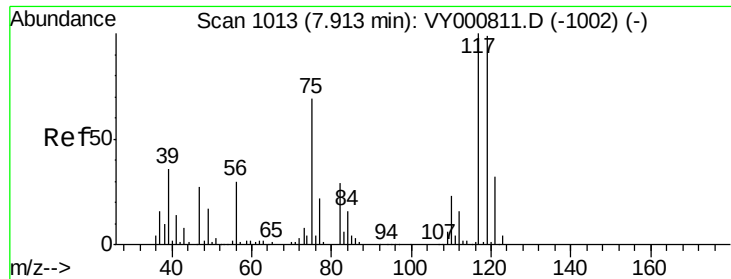
Tot Ion:113 Resp: 121484
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.4 123.6
 192 17.6 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001000.D
 Acq: 18 Dec 2019 16:50

Tgt Ion: 75 Resp: 18868
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.9 53.7#
 77 0.0 24.7 37.1#

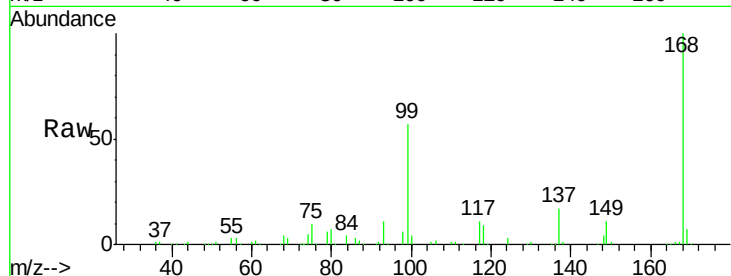




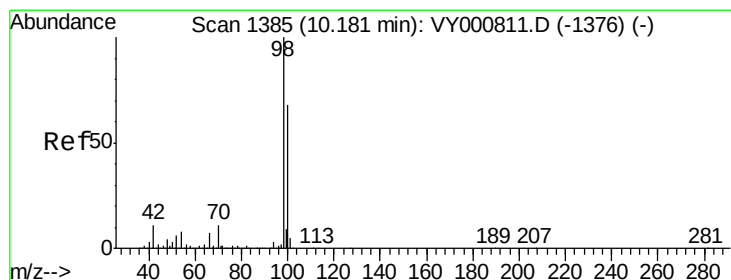
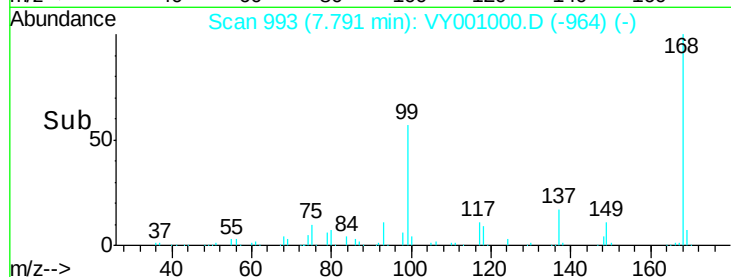
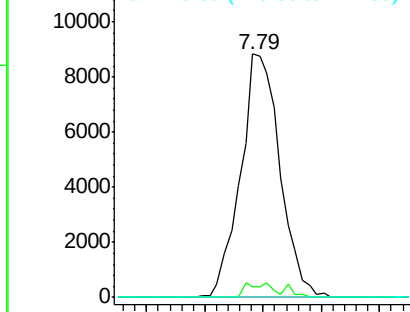
#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY001000.D
Acq: 18 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 20778
Ion Ratio Lower Upper
117 100
119 4.2 79.3 118.9#
121 0.0 25.5 38.3#

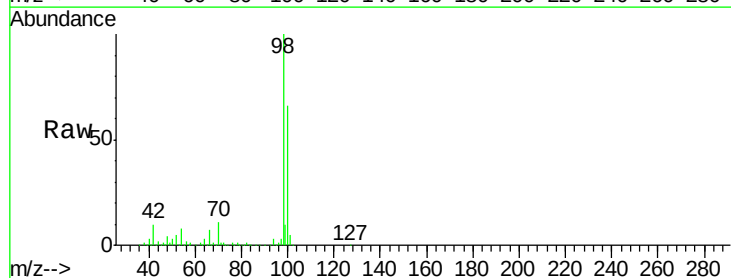


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

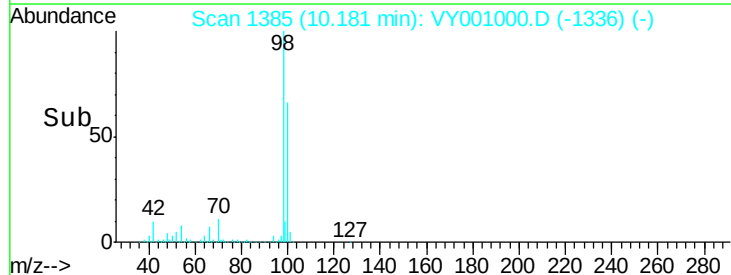
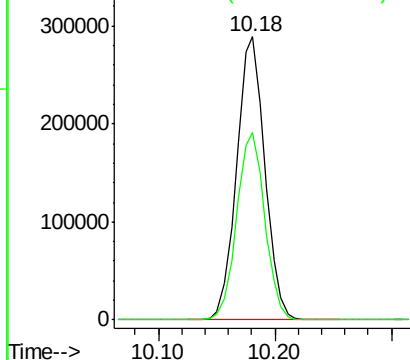


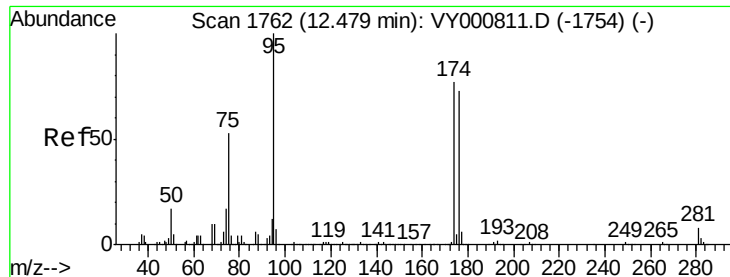
#50
Toluene-d8
Concen: 51.20 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001000.D
Acq: 18 Dec 2019 16:50

Tgt Ion: 98 Resp: 487259
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

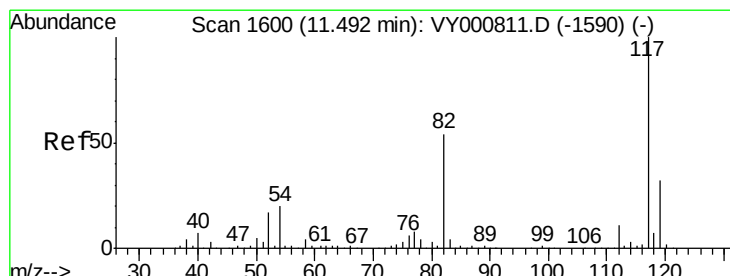
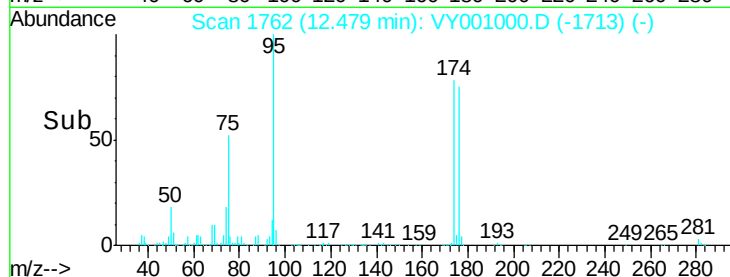
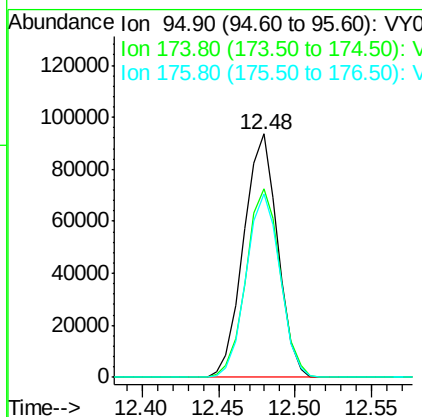
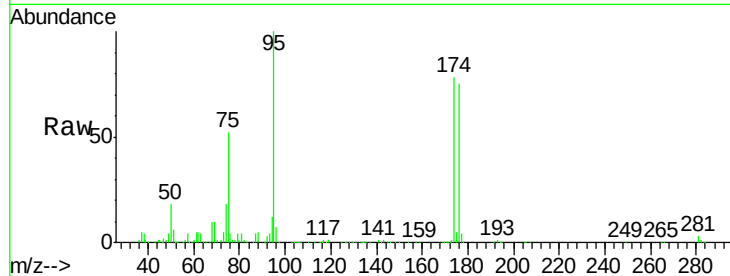




#62
4-Bromofluorobenzene
Concen: 40.44 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001000.D
Acq: 18 Dec 2019 16:50

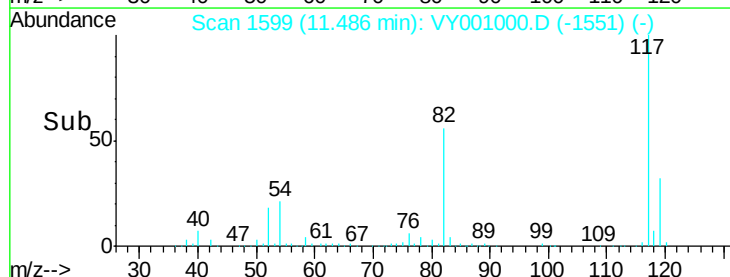
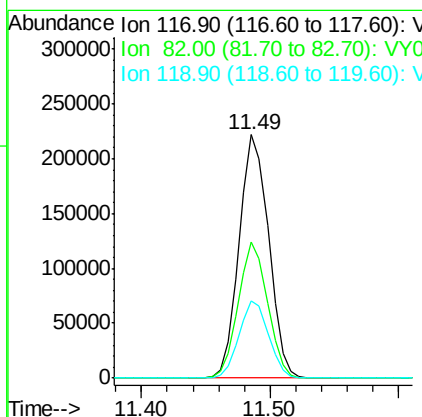
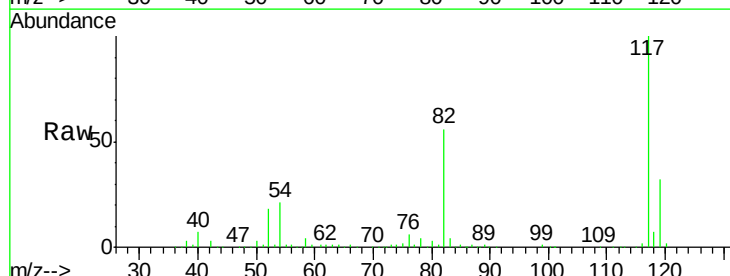
Instrument :
MSVOA_Y
ClientSampleId :

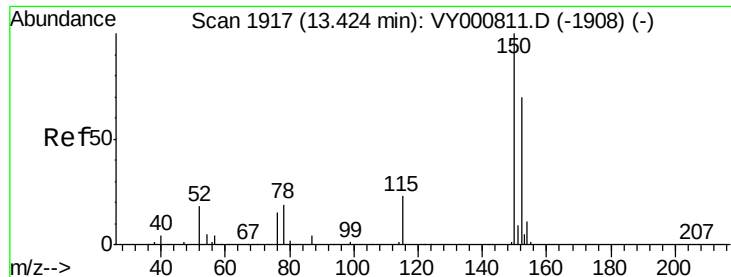
Tot Ion: 95 Resp: 144538
Ion Ratio Lower Upper
95 100
174 78.2 0.0 150.6
176 75.4 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY001000.D
Acq: 18 Dec 2019 16:50

Tgt Ion: 117 Resp: 352159
Ion Ratio Lower Upper
117 100
82 55.7 43.1 64.7
119 31.9 25.3 37.9



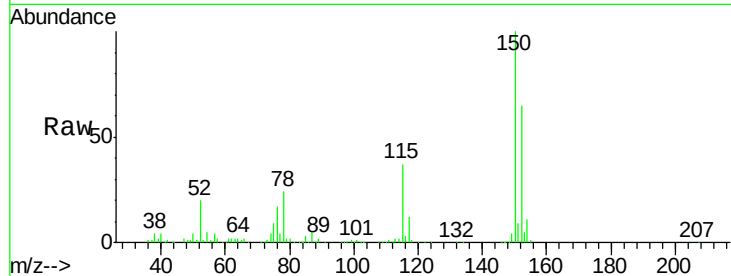


#72

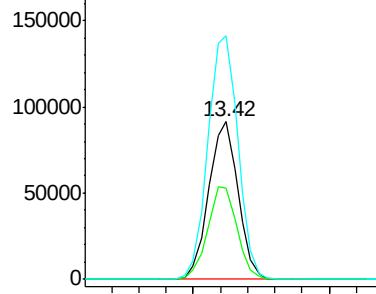
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001000.D
Acq: 18 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampleId :

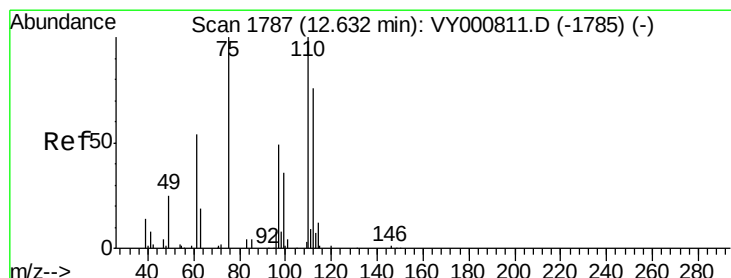
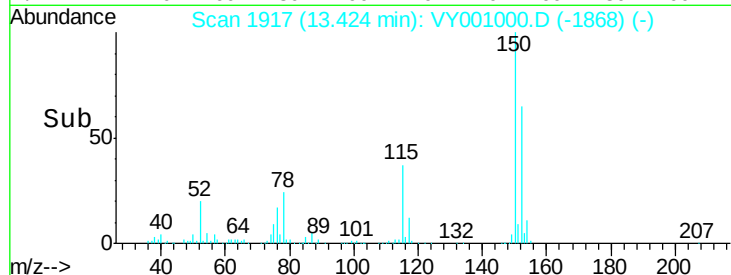
Tot Ion:152 Resp: 137446
Ion Ratio Lower Upper
152 100
115 58.4 29.3 87.8
150 158.0 0.0 351.2



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



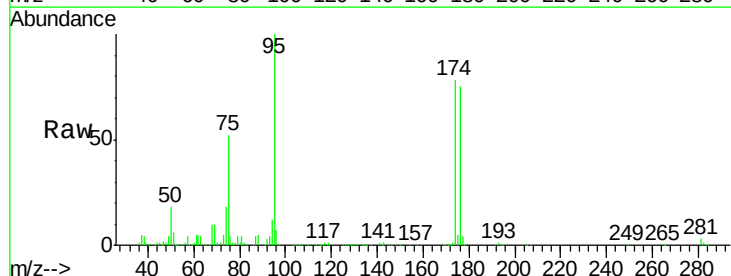
Time-->



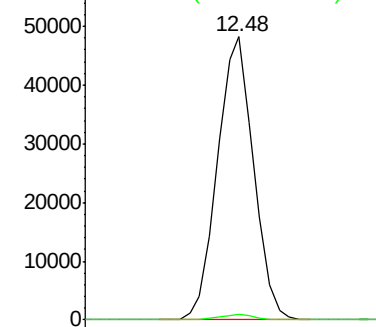
#76

1,2,3-Trichloropropane
Concen: 47.51 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001000.D
Acq: 18 Dec 2019 16:50

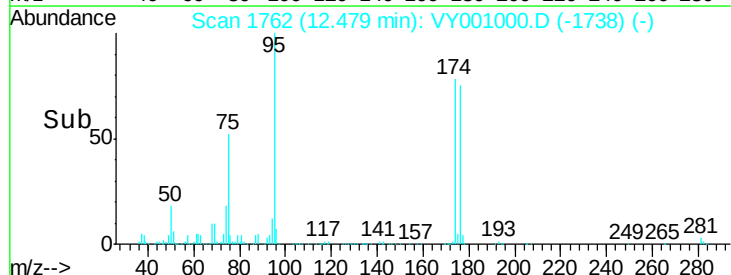
Tgt Ion: 75 Resp: 73980
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

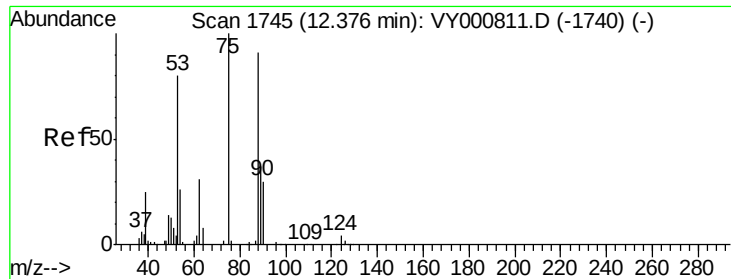


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 93.32 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001000.D

Acq: 18 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

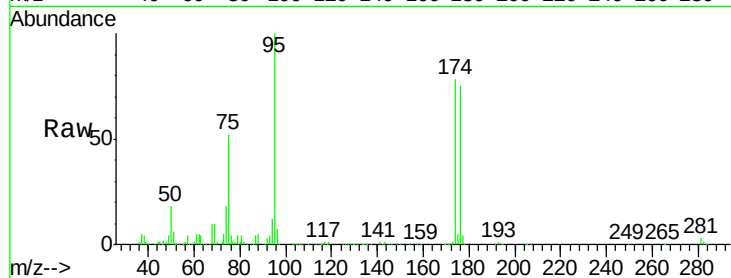
Tot Ion: 75 Resp: 73980

Ion Ratio Lower Upper

75 100

53 0.1 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

