

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000100.D
 Acq On : 20 Sep 2019 12:06
 Operator : SY/MD
 Sample : K4863-07
 Misc : 4.95g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:46:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	97191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	200633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	144883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	44058	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	58180	52.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.06%	
35) Dibromofluoromethane	7.72	113	56260	46.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.62%	
50) Toluene-d8	10.18	98	218980	45.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.80%	
62) 4-Bromofluorobenzene	12.48	95	58215	32.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	65.72%	

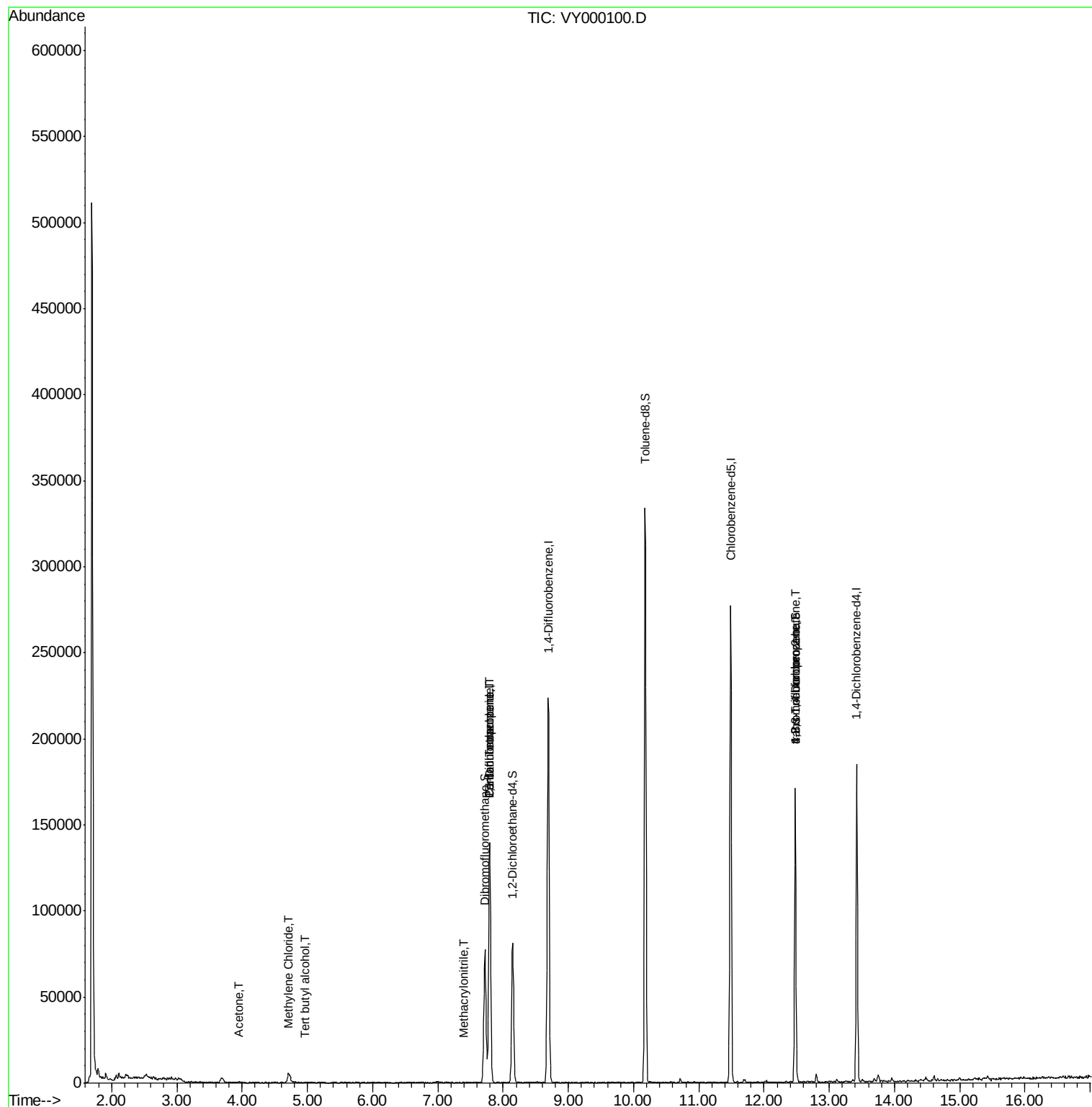
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	2122	Below Cal		93
5) Bromomethane	2.62	94	20	Below Cal	#	6
11) Tert butyl alcohol	4.97	59	279	2.105	ug/l #	73
13) Acrolein	3.75	56	57	Below Cal	#	13
16) Acetone	3.95	43	572	2.197	ug/l	90
20) Methylene Chloride	4.71	84	3985	3.254	ug/l #	90
31) Cyclohexane	7.79	56	2540	Below Cal	#	1
36) 1,1-Dichloropropene	7.80	75	8992	5.994	ug/l #	46
38) Carbon Tetrachloride	7.79	117	10547	7.449	ug/l #	16
41) Methacrylonitrile	7.39	41	57	4.375	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	30003	48.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	30003	93.086	ug/l #	19

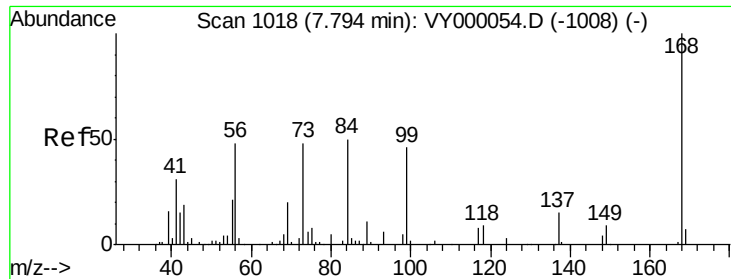
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000100.D

Acq: 20 Sep 2019 12:06

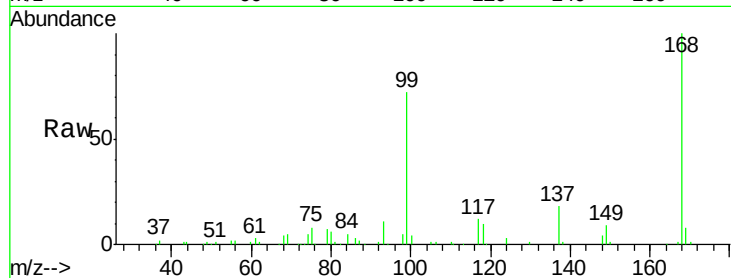
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 97191

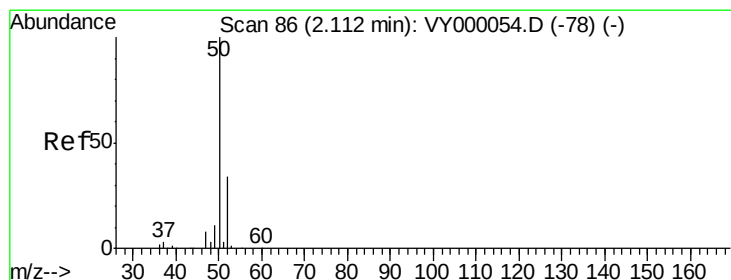
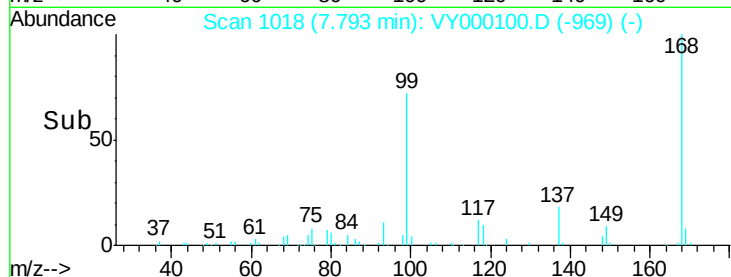
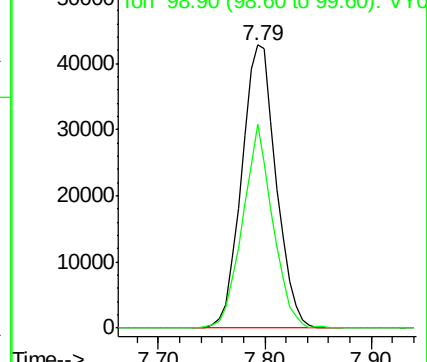
Ion Ratio Lower Upper

168 100

99 71.9 44.2 66.2#



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000100.D

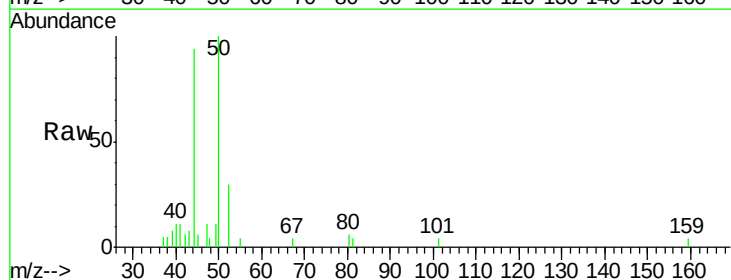
Acq: 20 Sep 2019 12:06

Tgt Ion: 50 Resp: 2122

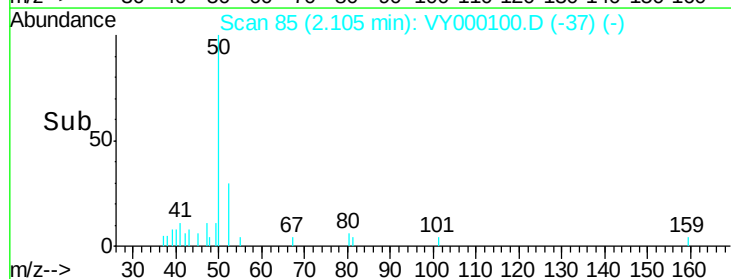
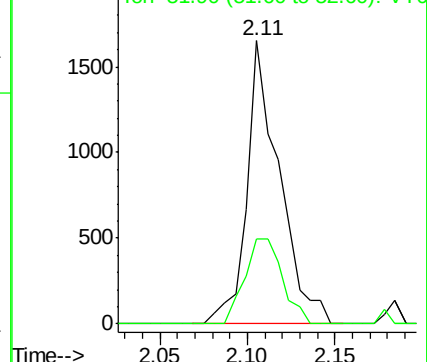
Ion Ratio Lower Upper

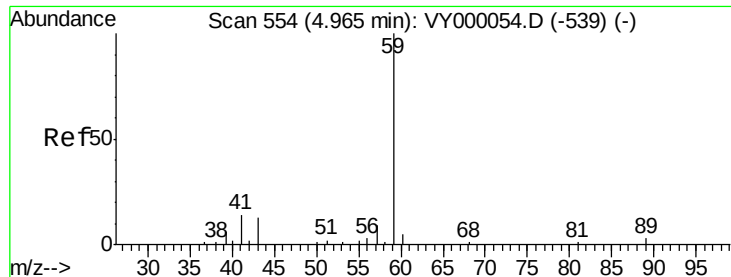
50 100

52 30.1 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY000054.D (-78) (-)

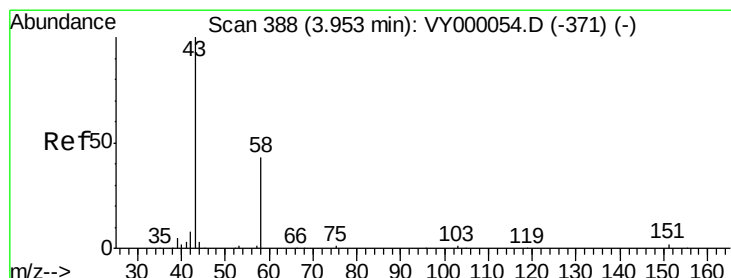
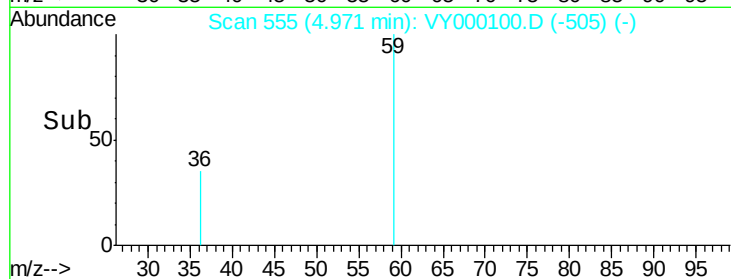
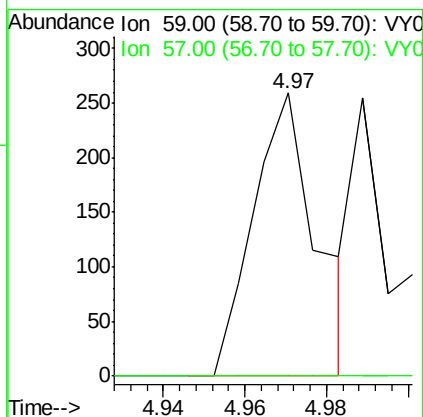
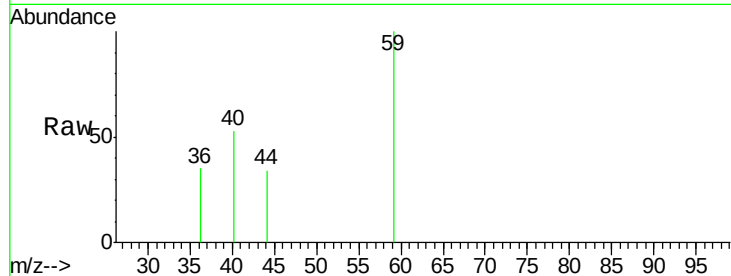




#11
Tert butyl alcohol
Concen: 2.105 ug/l
RT: 4.97 min Scan# 555
Delta R.T. 0.01 min
Lab File: VY000100.D
Acq: 20 Sep 2019 12:06

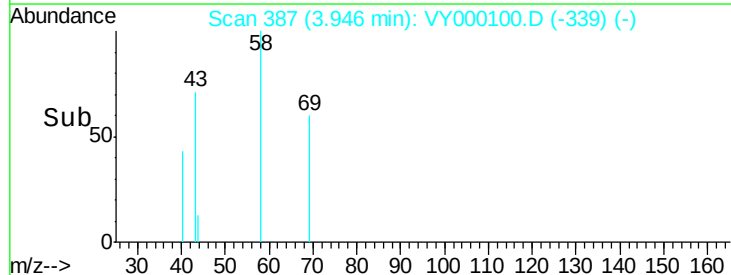
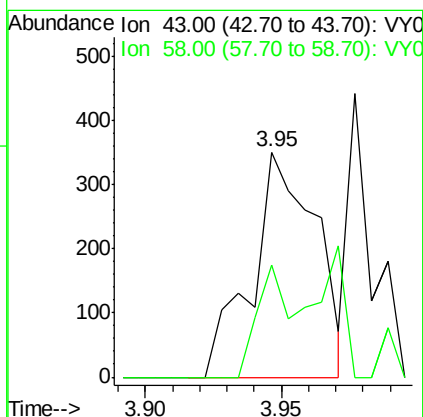
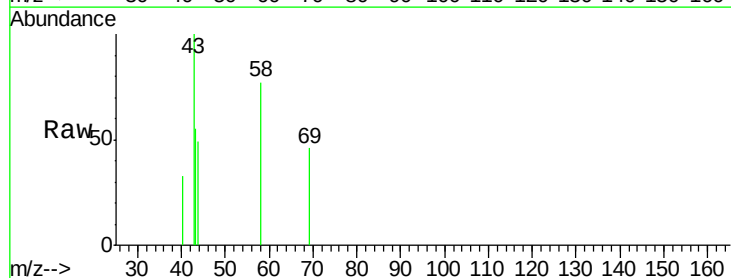
Instrument :
MSVOA_Y
ClientSampled :

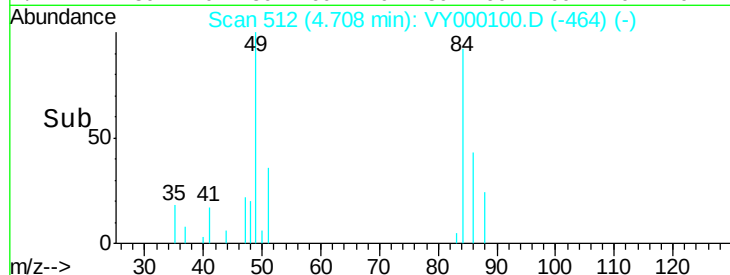
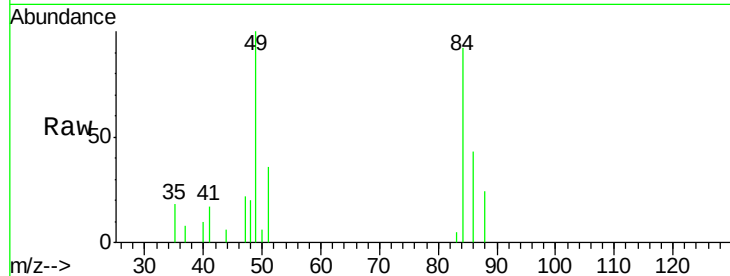
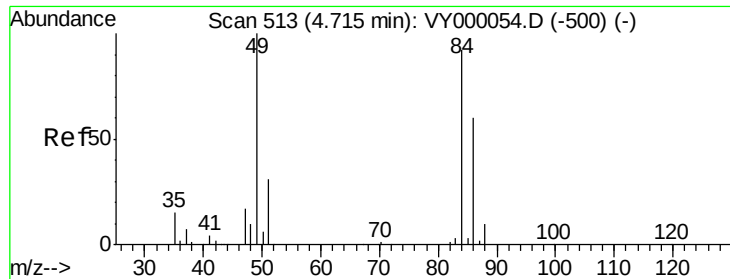
Tot Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 2.197 ug/l
RT: 3.95 min Scan# 387
Delta R.T. -0.01 min
Lab File: VY000100.D
Acq: 20 Sep 2019 12:06

Tgt Ion: 43 Resp: 572
Ion Ratio Lower Upper
43 100
58 49.7 34.5 51.7

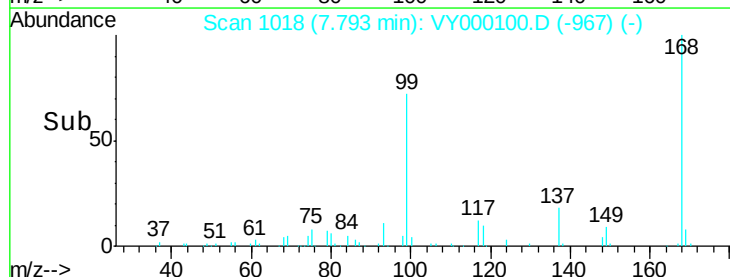
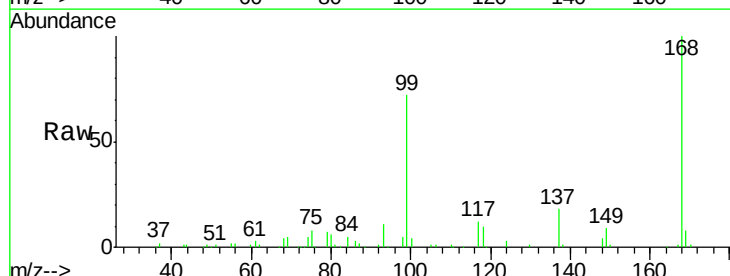
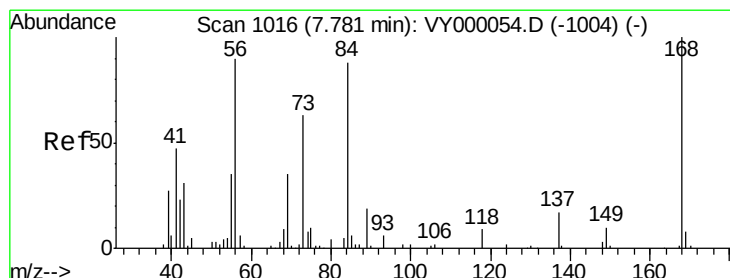
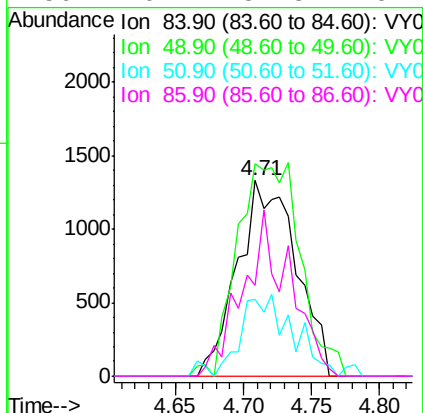




#20
Methylene Chloride
Concen: 3.254 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000100.D
Acq: 20 Sep 2019 12:06

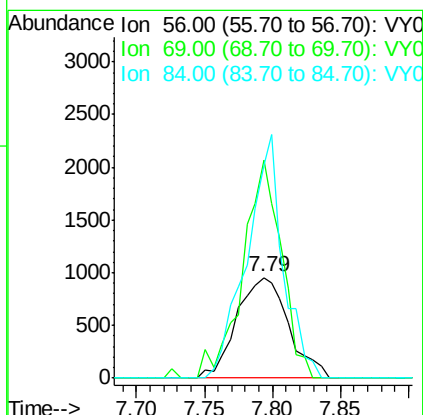
Instrument :
MSVOA_Y
ClientSampleId :

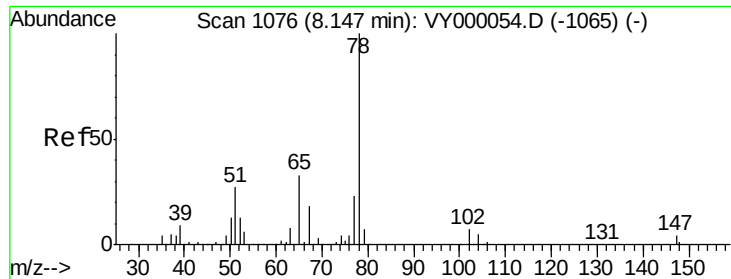
Tot Ion: 84 Resp: 3985
Ion Ratio Lower Upper
84 100
49 108.5 87.4 131.0
51 39.2 27.2 40.8
86 46.4 52.8 79.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000100.D
Acq: 20 Sep 2019 12:06

Tgt Ion: 56 Resp: 2540
Ion Ratio Lower Upper
56 100
69 217.2 30.9 46.3#
84 212.6 78.5 117.7#

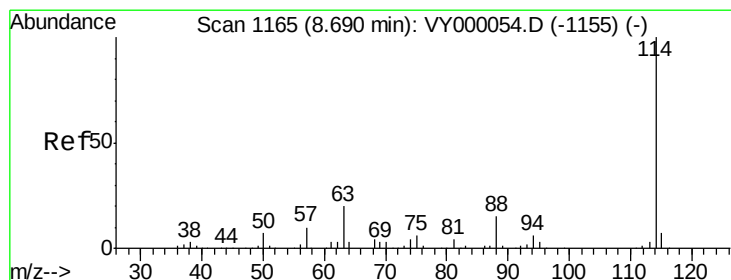
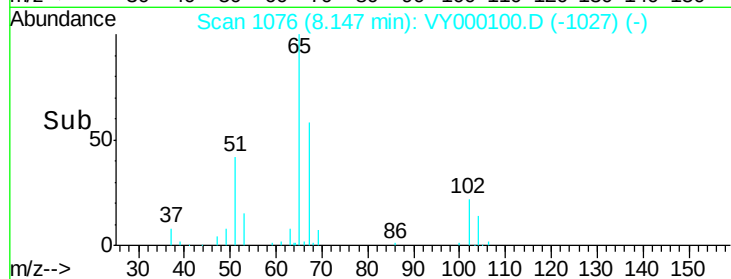
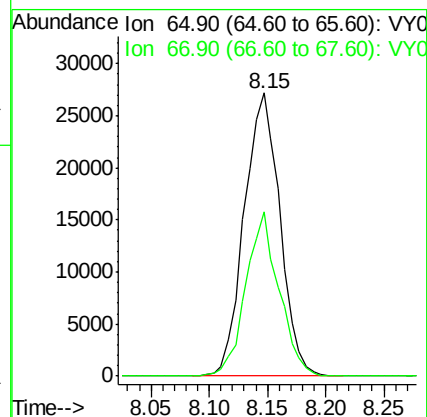
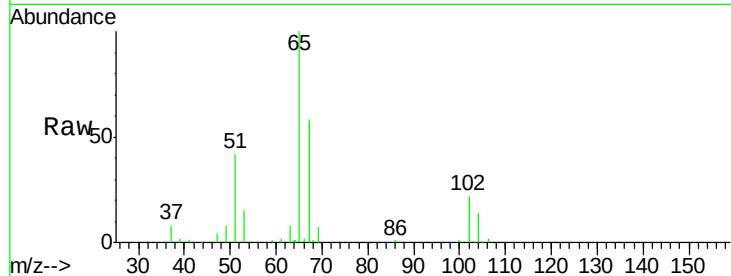




#33
 1,2-Dichloroethane-d4
 Concen: 52.030 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000100.D
 Acq: 20 Sep 2019 12:06

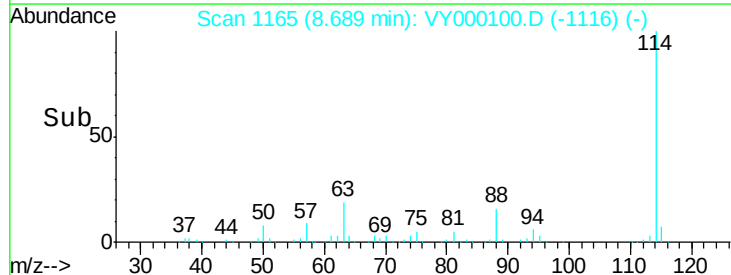
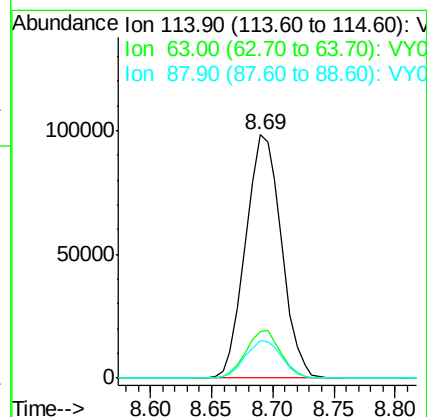
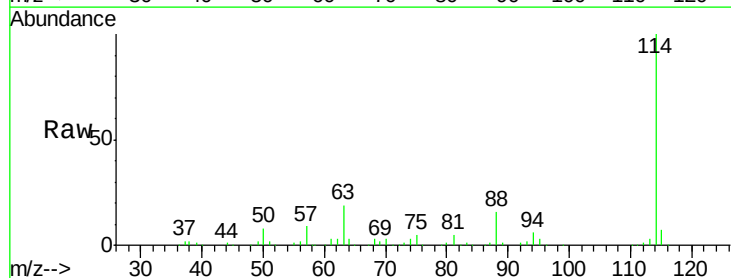
Instrument :
 MSVOA_Y
 ClientSampleId :

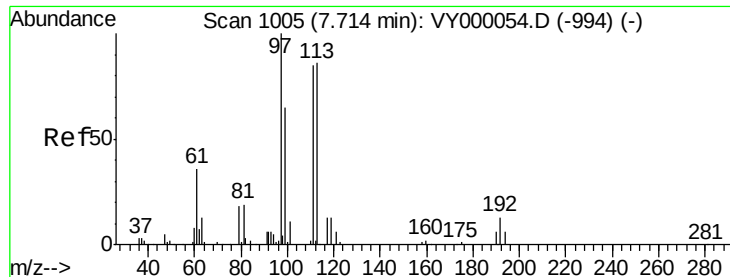
Tot Ion: 65 Resp: 58180
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000100.D
 Acq: 20 Sep 2019 12:06

Tgt Ion: 114 Resp: 200633
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.4
 88 15.5 0.0 30.2

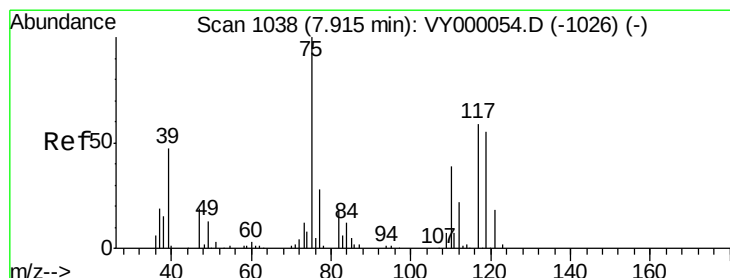
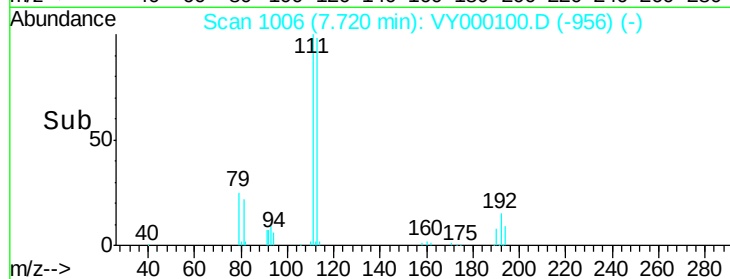
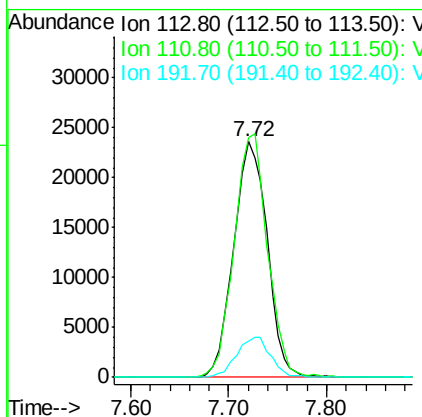
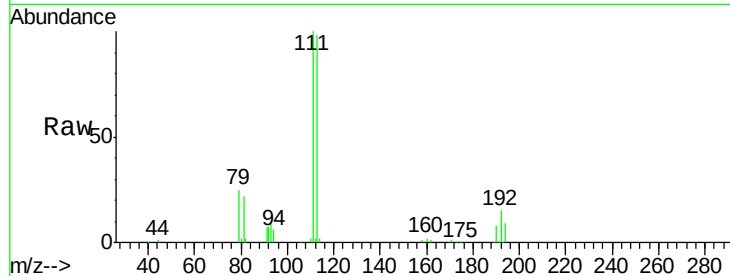




#35
 Dibromofluoromethane
 Concen: 46.313 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000100.D
 Acq: 20 Sep 2019 12:06

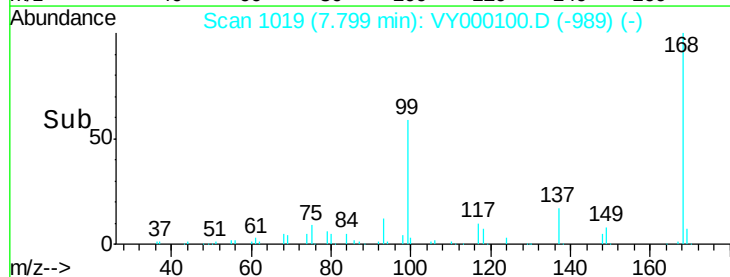
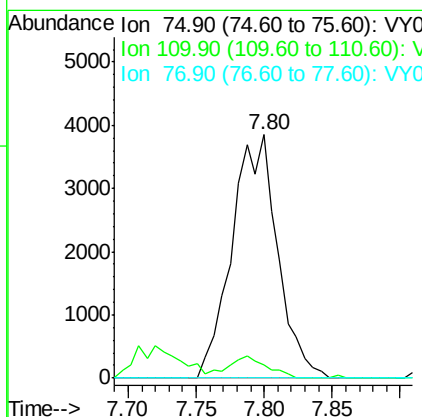
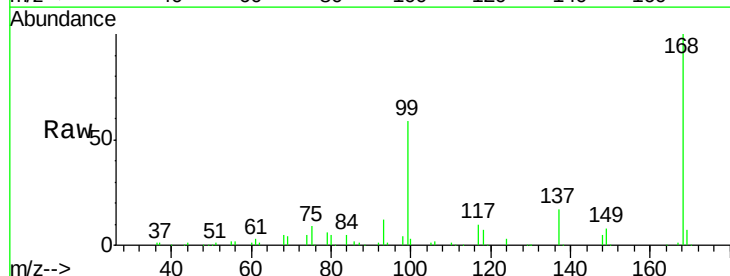
Instrument :
 MSVOA_Y
 ClientSampleId :

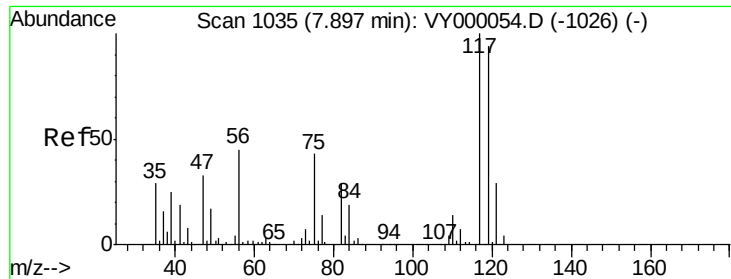
Tot Ion:113 Resp: 56260
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.7 122.5
 192 17.4 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 5.994 ug/l
 RT: 7.80 min Scan# 1019
 Delta R.T. -0.12 min
 Lab File: VY000100.D
 Acq: 20 Sep 2019 12:06

Tgt Ion: 75 Resp: 8992
 Ion Ratio Lower Upper
 75 100
 110 6.7 19.6 58.7#
 77 0.0 24.3 36.5#

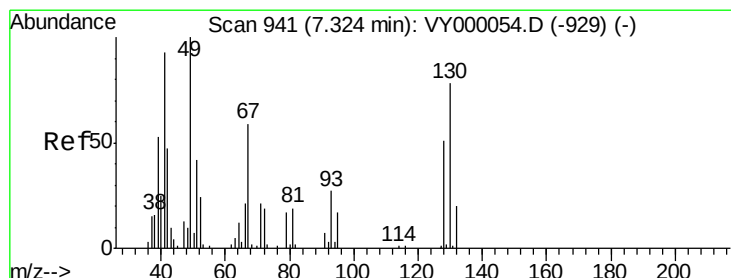
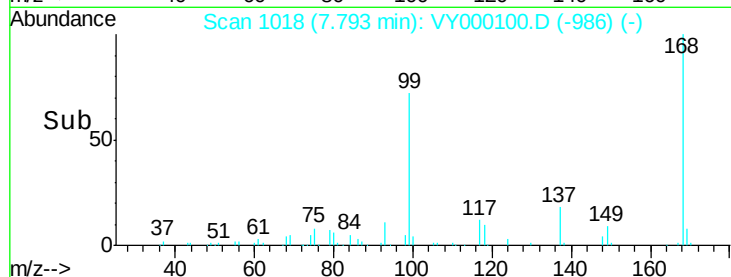
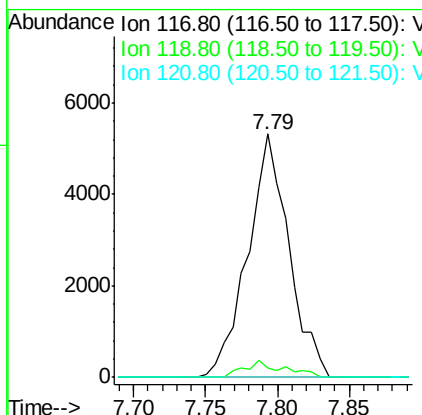
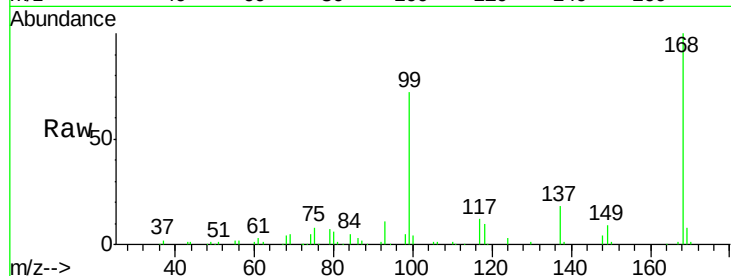




#38
 Carbon Tetrachloride
 Concen: 7.449 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000100.D
 Acq: 20 Sep 2019 12:06

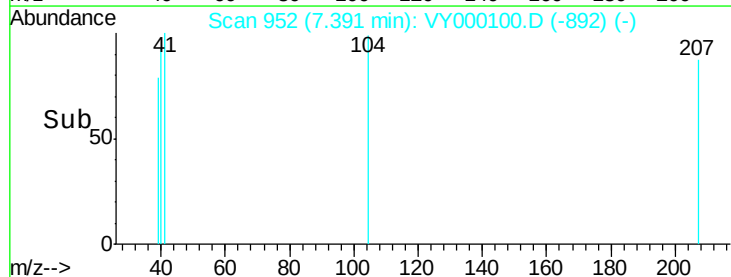
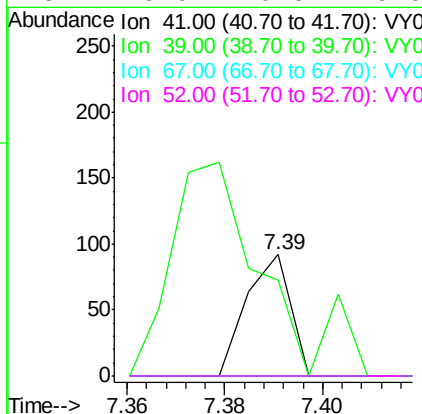
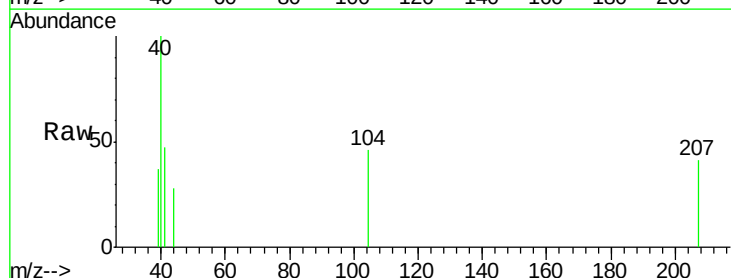
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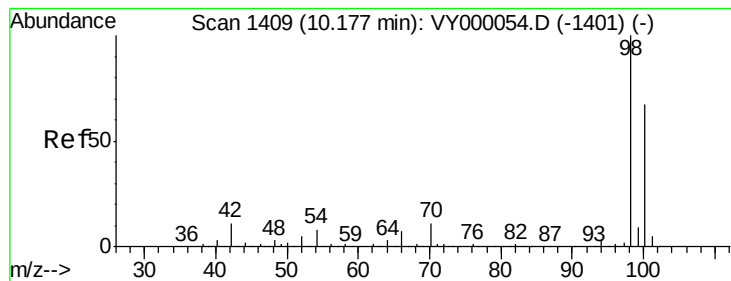
Tot Ion:117 Resp: 10547
 Ion Ratio Lower Upper
 117 100
 119 4.0 75.0 112.6#
 121 0.0 22.8 34.2#



#41
 Methacrylonitrile
 Concen: 4.375 ug/l
 RT: 7.39 min Scan# 952
 Delta R.T. 0.07 min
 Lab File: VY000100.D
 Acq: 20 Sep 2019 12:06

Tgt Ion: 41 Resp: 57
 Ion Ratio Lower Upper
 41 100
 39 373.7 91.8 137.6#
 67 0.0 0.0 0.0
 52 0.0 0.0 0.0





#50

Toluene-d8

Concen: 45.895 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000100.D

Acq: 20 Sep 2019 12:06

Instrument :

MSVOA_Y

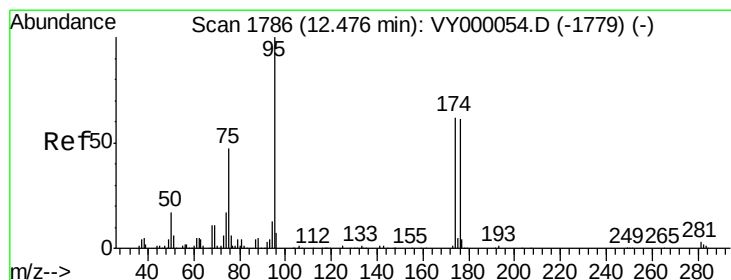
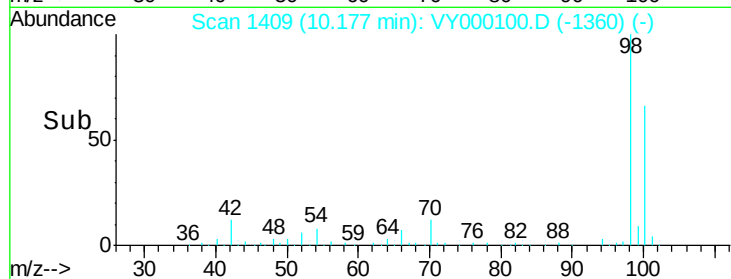
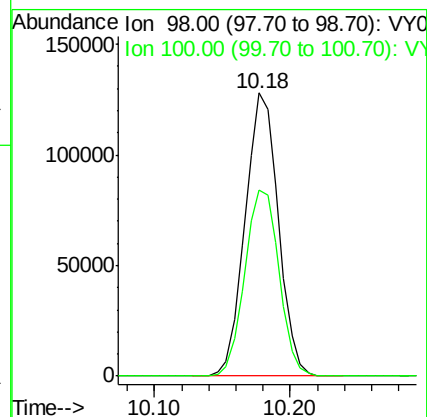
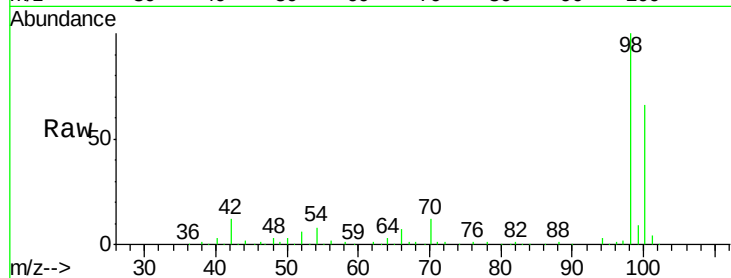
ClientSampled :

Tot Ion: 98 Resp: 218980

Ion Ratio Lower Upper

98 100

100 67.8 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 32.863 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000100.D

Acq: 20 Sep 2019 12:06

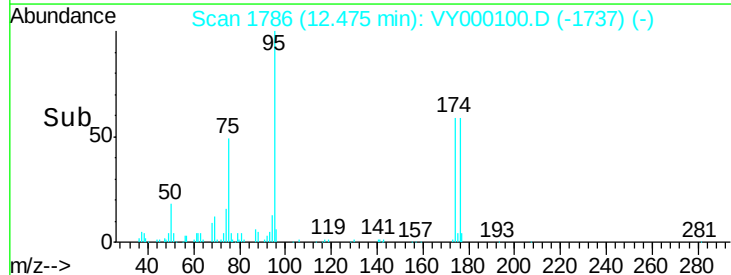
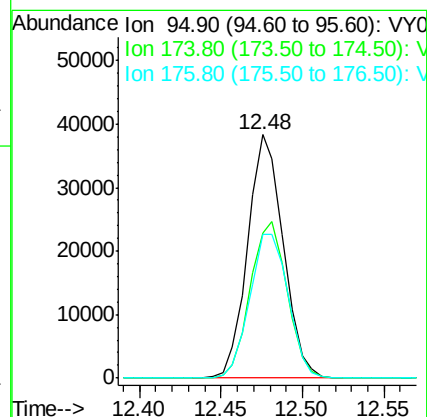
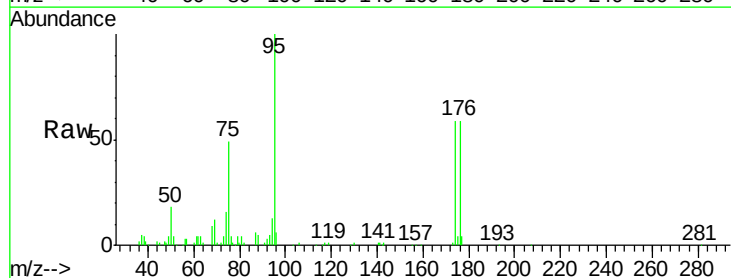
Tgt Ion: 95 Resp: 58215

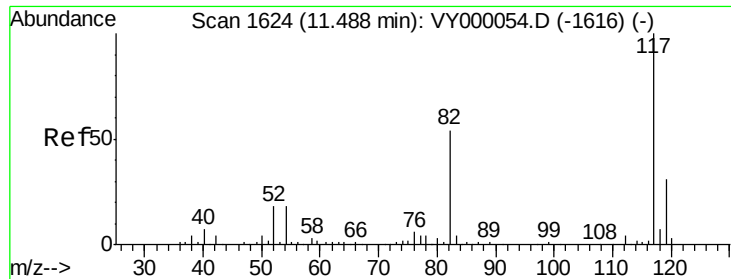
Ion Ratio Lower Upper

95 100

174 66.6 0.0 137.2

176 64.2 0.0 135.0

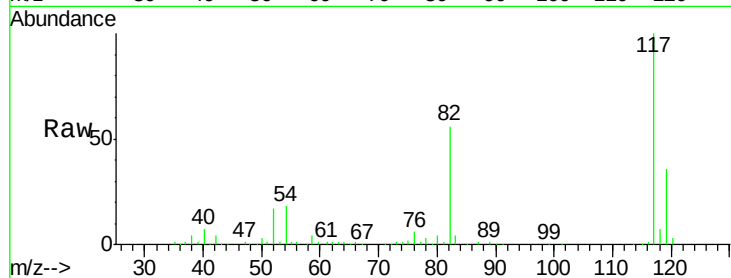




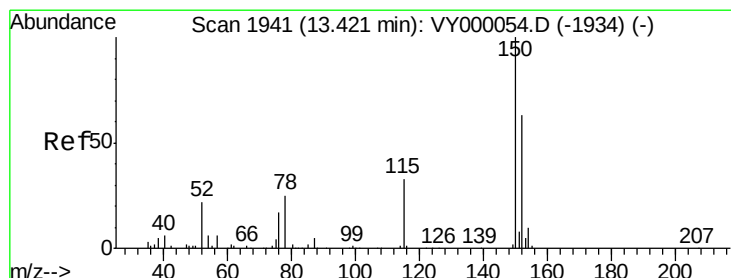
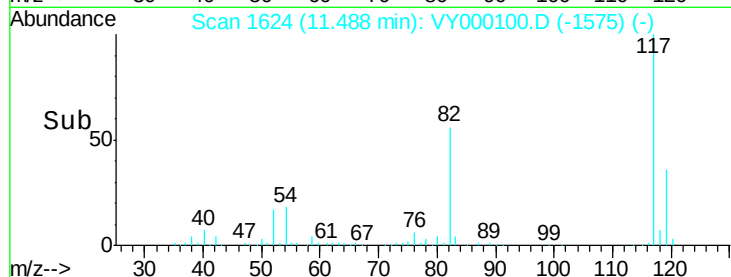
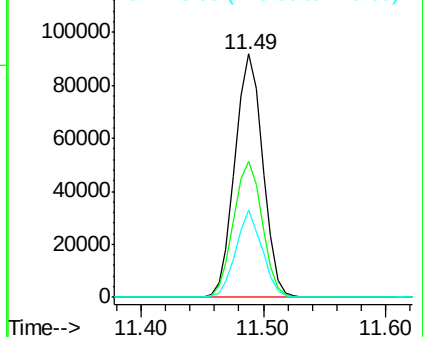
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000100.D
Acq: 20 Sep 2019 12:06

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 144883
Ion Ratio Lower Upper
117 100
82 55.8 43.5 65.3
119 36.0 24.6 36.8

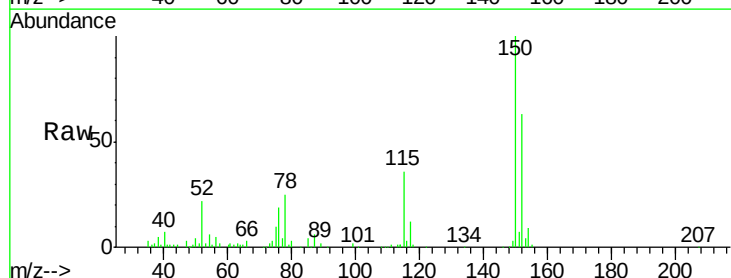


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

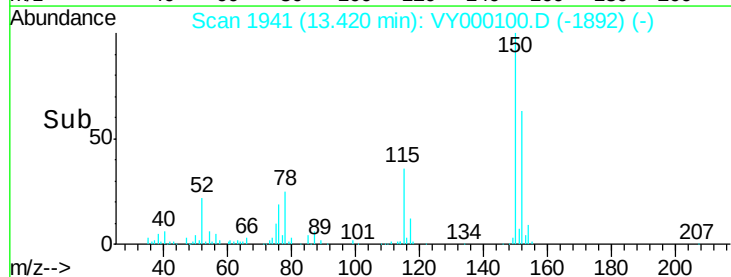
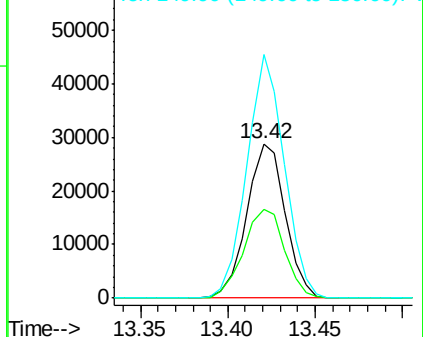


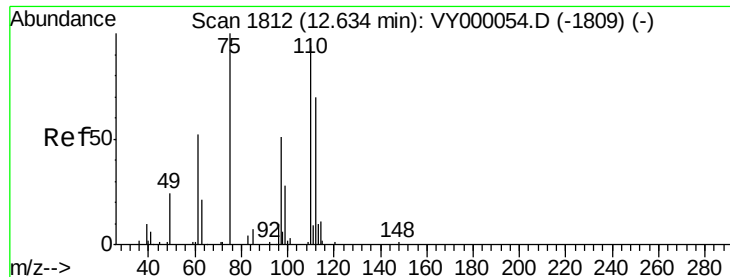
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000100.D
Acq: 20 Sep 2019 12:06

Tgt Ion:152 Resp: 44058
Ion Ratio Lower Upper
152 100
115 61.3 30.7 92.1
150 153.8 0.0 351.6



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: 48.400 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000100.D

Acq: 20 Sep 2019 12:06

Instrument :

MSVOA_Y

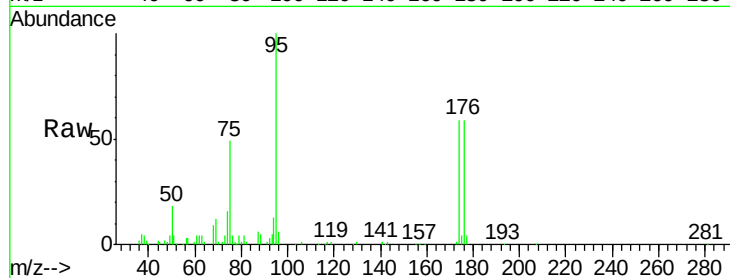
ClientSampleId :

Tot Ion: 75 Resp: 30003

Ion Ratio Lower Upper

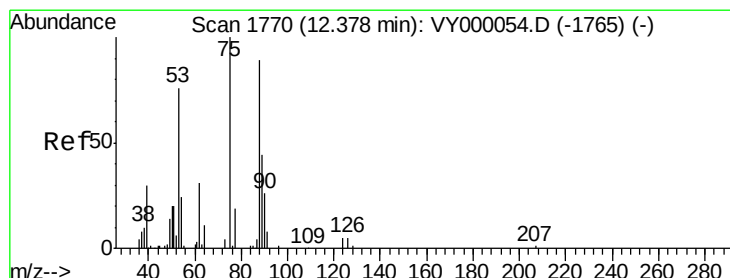
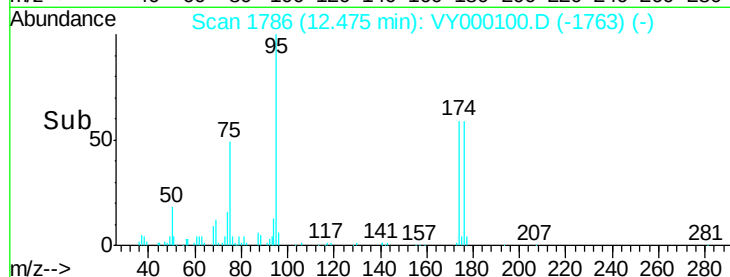
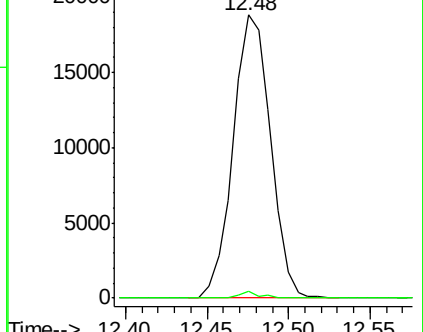
75 100

77 1.3 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: 93.086 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000100.D

Acq: 20 Sep 2019 12:06

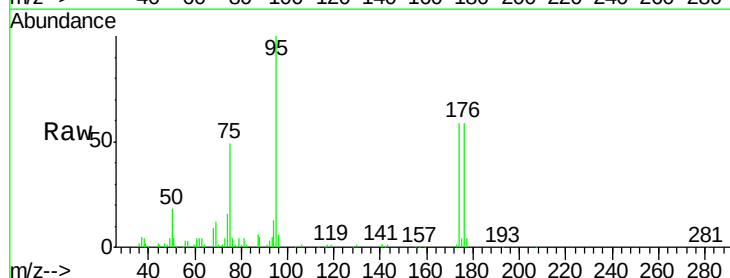
Tgt Ion: 75 Resp: 30003

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.1 35.3 52.9#



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

