

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000593.D
 Acq On : 07 Nov 2019 19:54
 Operator : SY/MD
 Sample : K5723-10
 Misc : 6.70G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:49:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	199804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	360302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	313586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	128537	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	123455	59.71	ug/l	0.00
Spiked Amount			Recovery	=	119.42%	
35) Dibromofluoromethane	7.73	113	106838	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.18	98	417852	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.48	95	137902	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

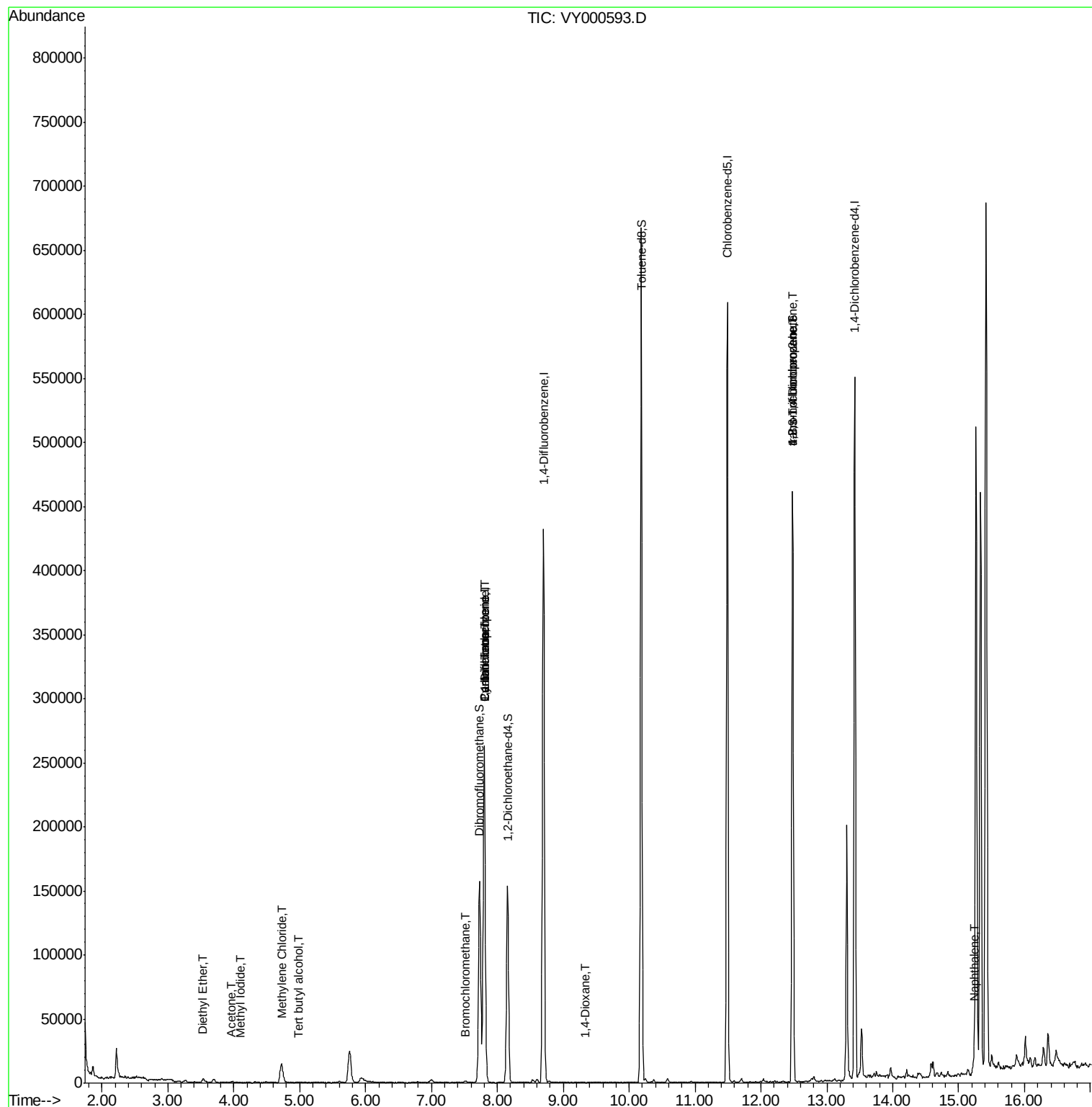
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	1479	1.225	ug/l	81
10) Methyl Iodide	4.11	142	114	3.239	ug/l #	71
11) Tert butyl alcohol	4.98	59	434	2.156	ug/l #	72
16) Acetone	3.96	43	1363	2.392	ug/l #	42
20) Methylene Chloride	4.73	84	10547	4.319	ug/l	92
28) Bromochloromethane	7.52	49	65	4.127	ug/l #	14
31) Cyclohexane	7.80	56	4688	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16108	4.729	ug/l #	48
38) Carbon Tetrachloride	7.80	117	20368	6.215	ug/l #	15
49) 1,4-Dioxane	9.34	88	46	2.529	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	74427	50.853	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	74427	114.019	ug/l #	13
95) Naphthalene	15.23	128	6374	1.101	ug/l #	76

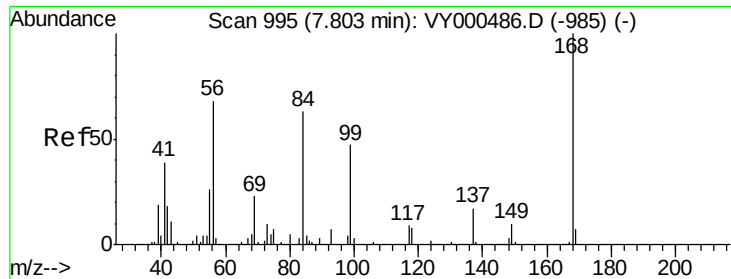
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

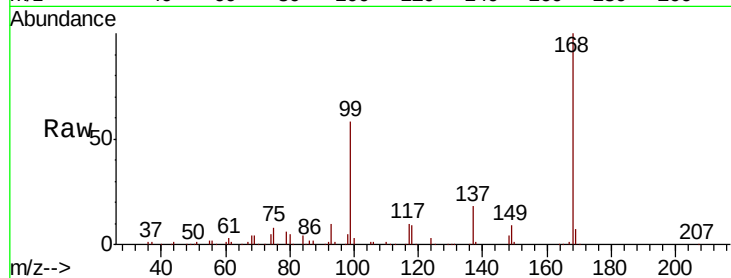
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 199804

Ion Ratio Lower Upper

168 100

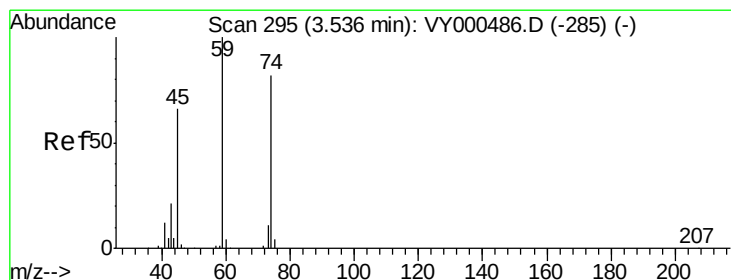
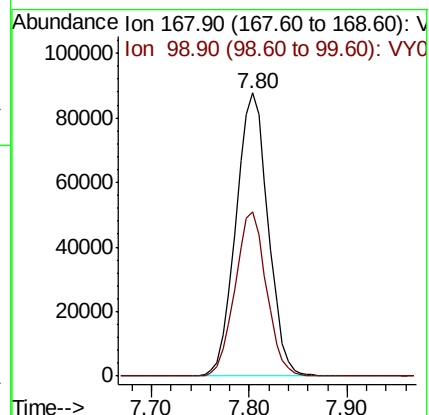
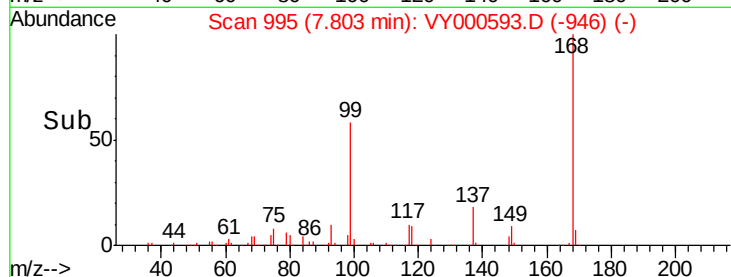
99 58.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80



#8

Diethyl Ether

Concen: 1.225 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000593.D

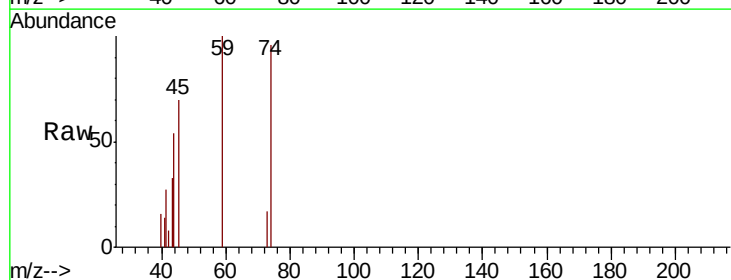
Acq: 07 Nov 2019 19:54

Tgt Ion: 74 Resp: 1479

Ion Ratio Lower Upper

74 100

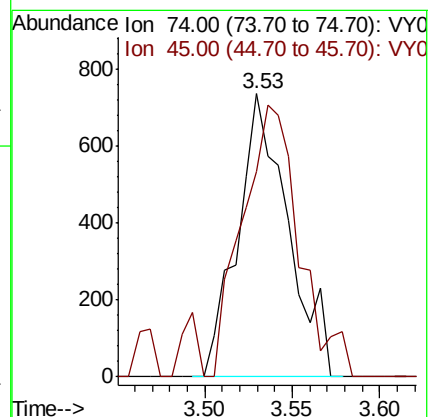
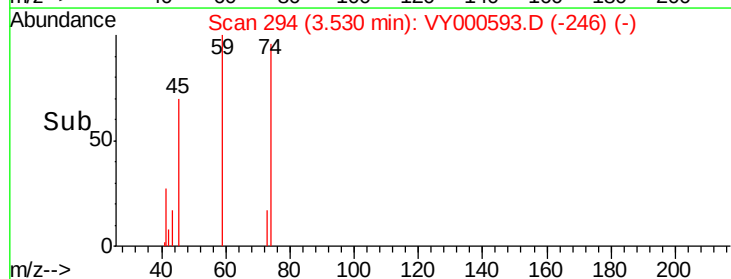
45 108.7 45.5 136.4

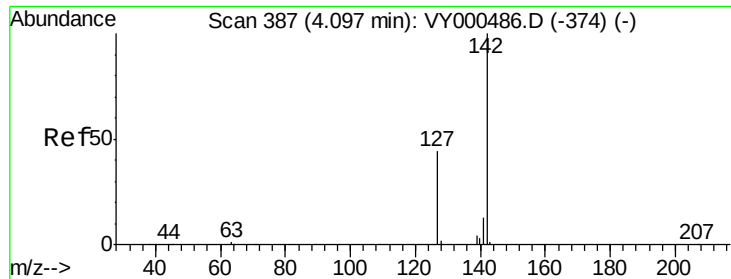


Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.53

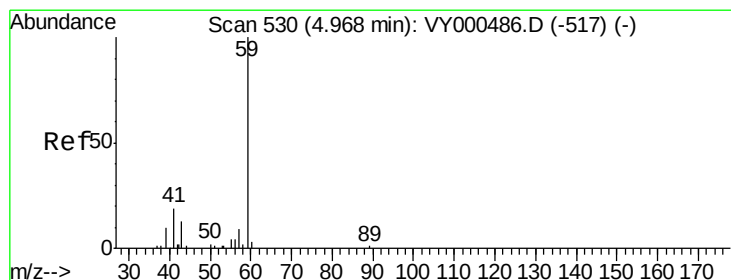
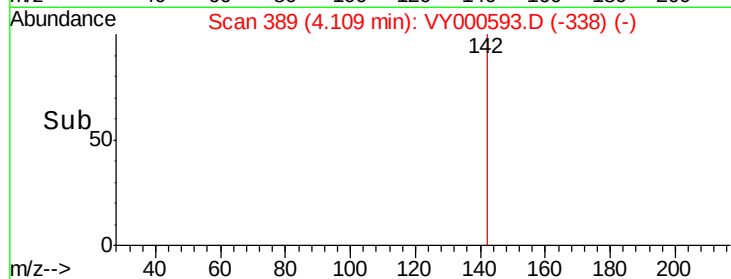
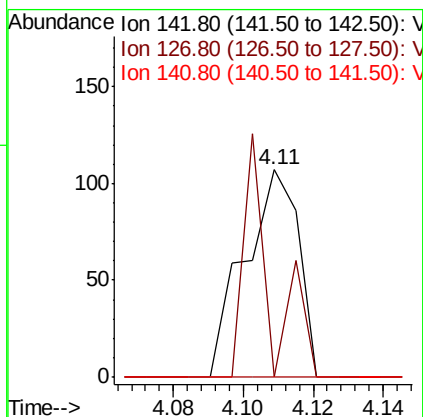
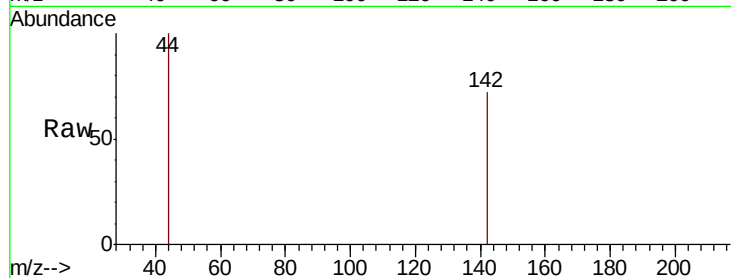




#10
Methvl Iodide
Concen: 3.239 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000593.D
Acq: 07 Nov 2019 19:54

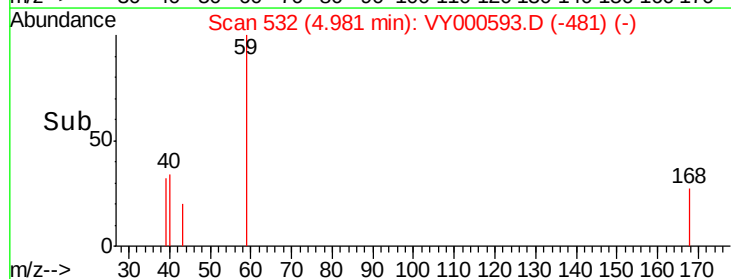
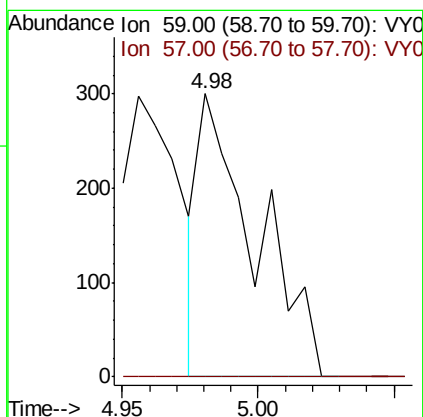
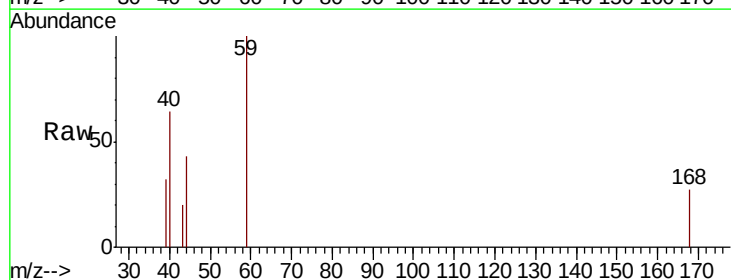
Instrument :
MSVOA_Y
ClientSampleId :

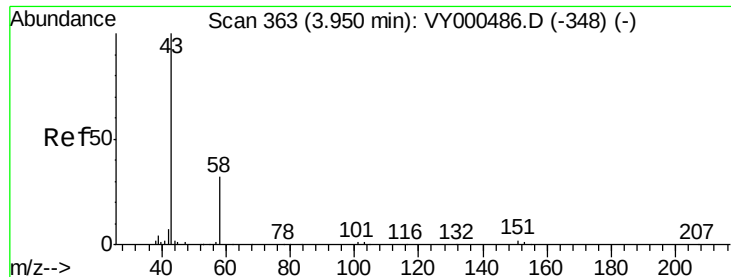
Tot Ion:142 Resp: 114
Ion Ratio Lower Upper
142 100
127 59.6 33.7 50.5#
141 0.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: 2.156 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000593.D
Acq: 07 Nov 2019 19:54

Tgt Ion: 59 Resp: 434
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 2.392 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

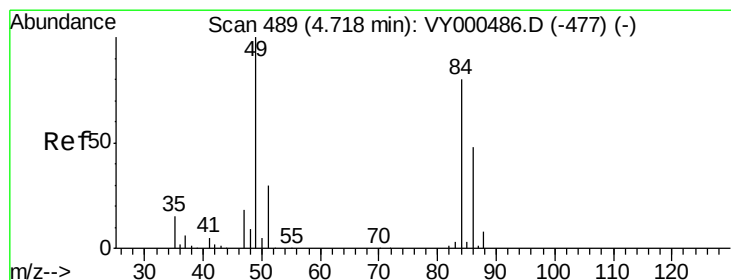
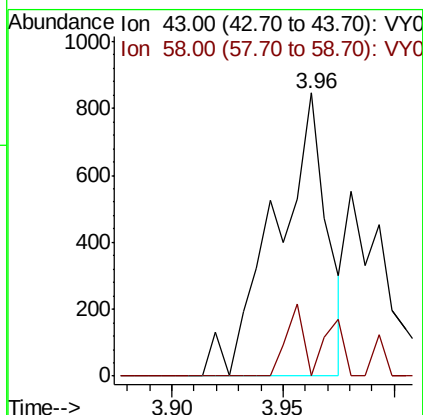
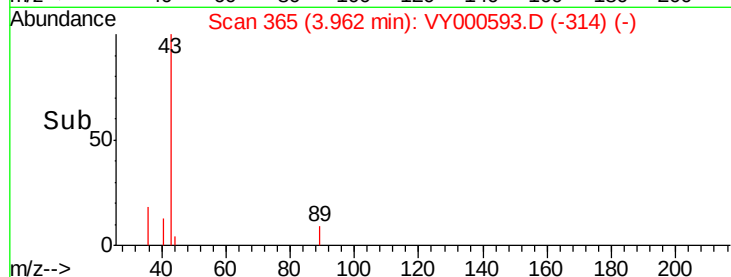
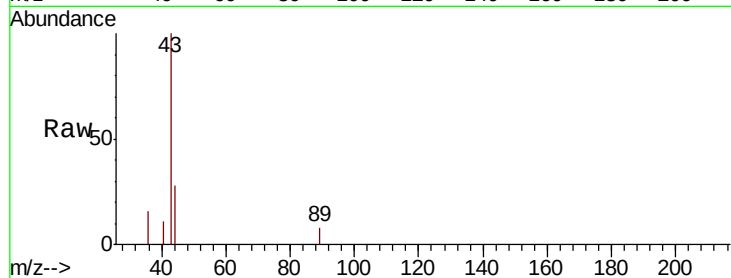
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1363

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



#20

Methylene Chloride

Concen: 4.319 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

Tgt Ion: 84 Resp: 10547

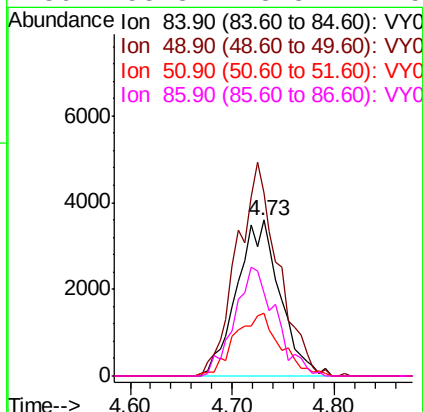
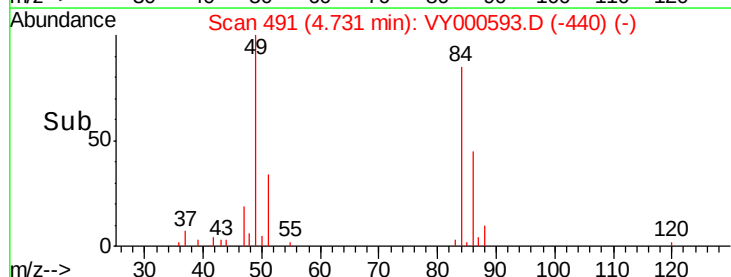
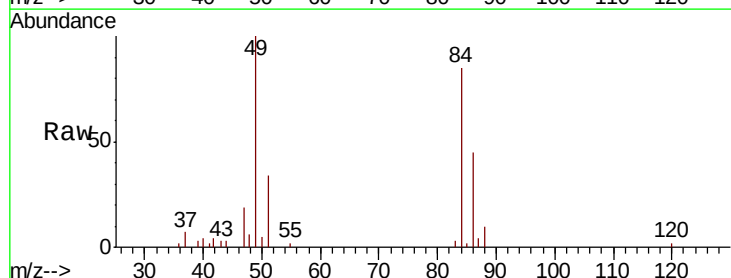
Ion Ratio Lower Upper

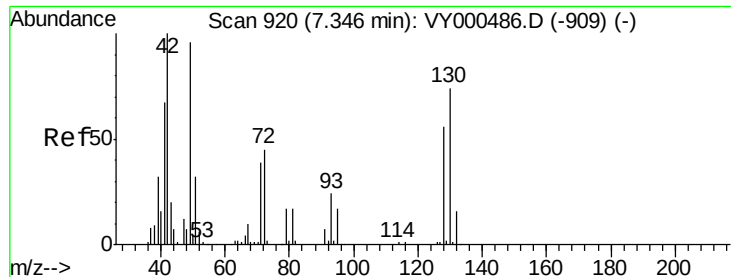
84 100

49 117.1 100.2 150.4

51 40.3 29.6 44.4

86 53.3 48.3 72.5





#28

Bromochloromethane

Concen: 4.127 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

Instrument :

MSVOA_Y

ClientSampleId :

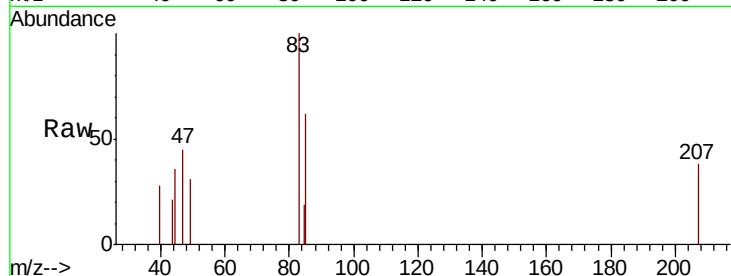
Tot Ion: 49 Resp: 65

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

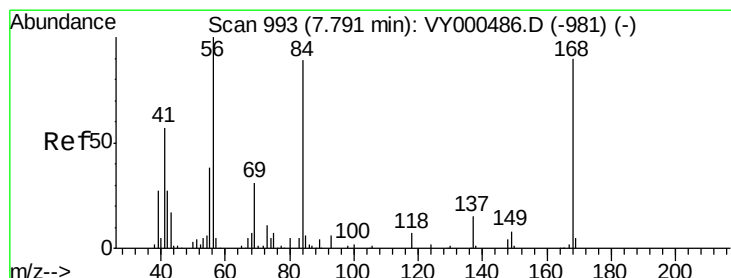
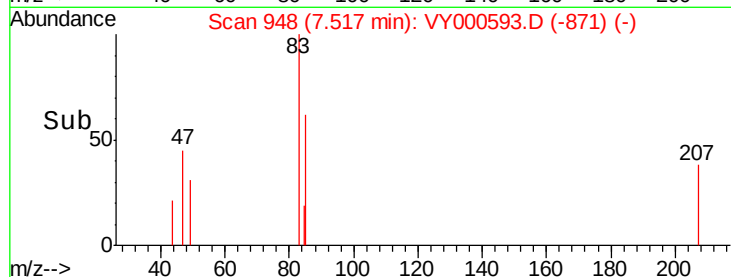
7.52

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

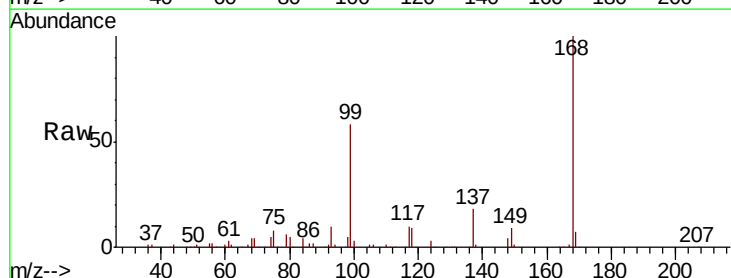
Tgt Ion: 56 Resp: 4688

Ion Ratio Lower Upper

56 100

69 174.6 25.0 37.6#

84 151.4 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

5000

4000

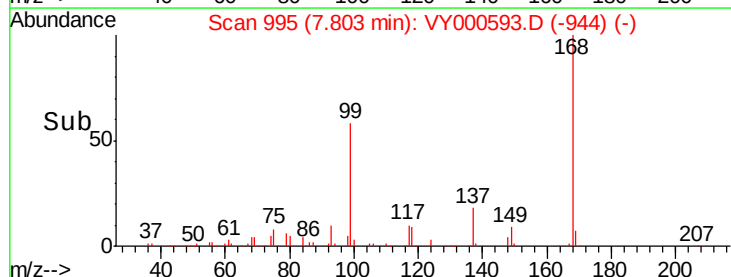
3000

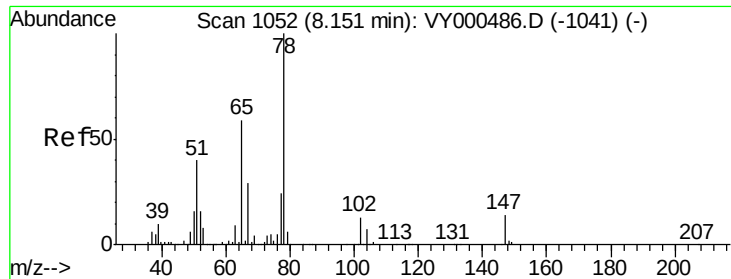
2000

1000

0

Time-->

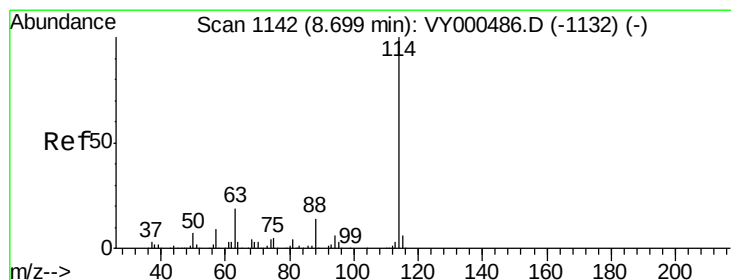
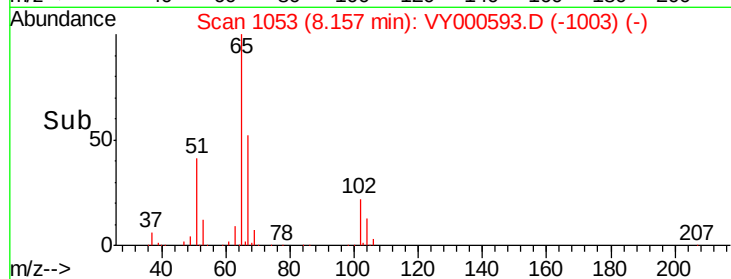
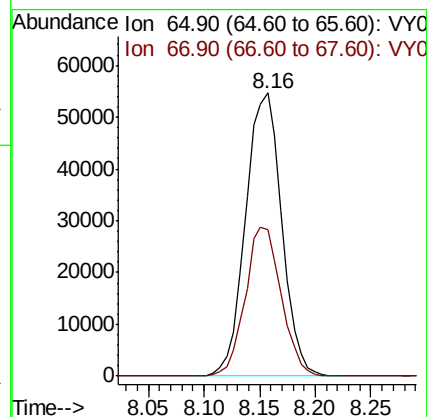
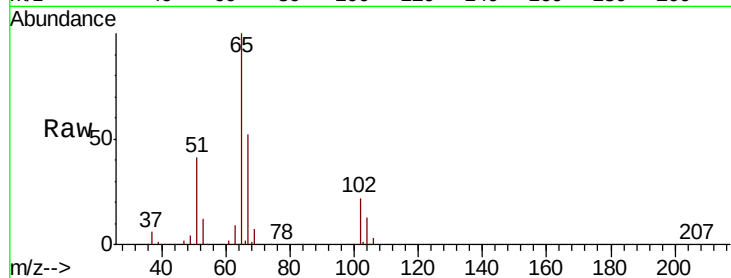




#33
 1,2-Dichloroethane-d4
 Concen: 59.706 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000593.D
 Acq: 07 Nov 2019 19:54

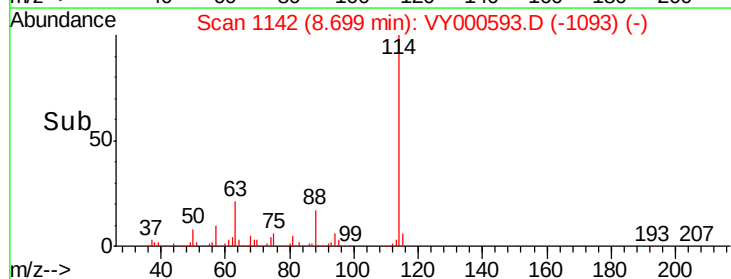
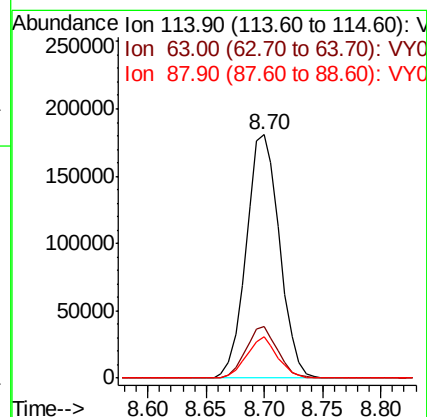
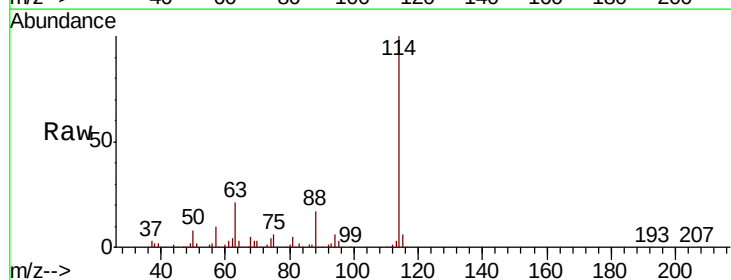
Instrument :
 MSVOA_Y
 ClientSampleId :

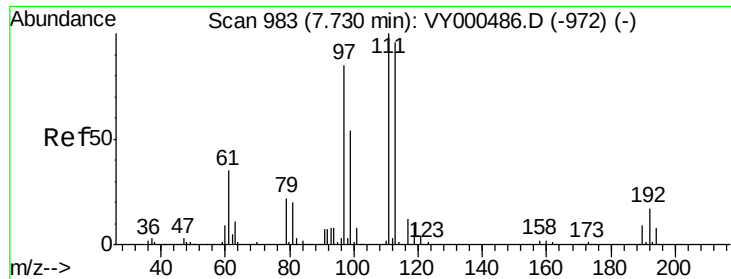
Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000593.D
 Acq: 07 Nov 2019 19:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	38.0
88	16.7	0.0	28.6

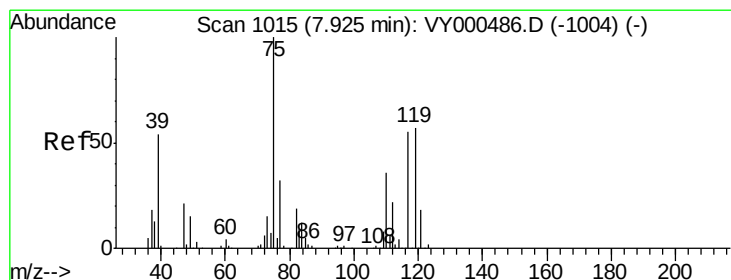
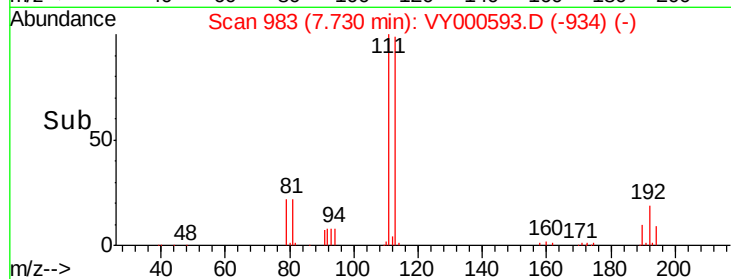
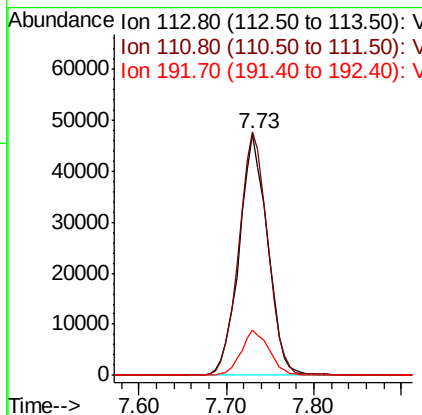
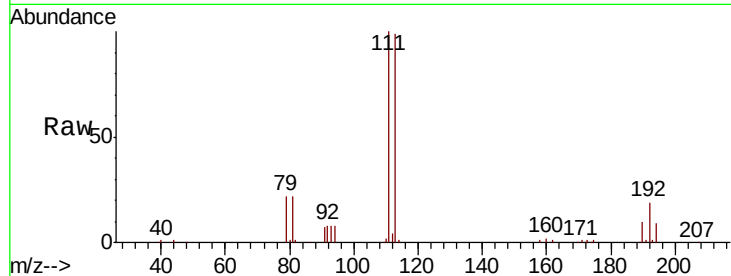




#35
 Dibromofluoromethane
 Concen: 50.509 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000593.D
 Acq: 07 Nov 2019 19:54

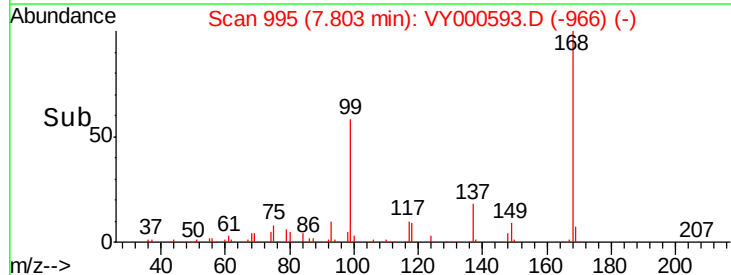
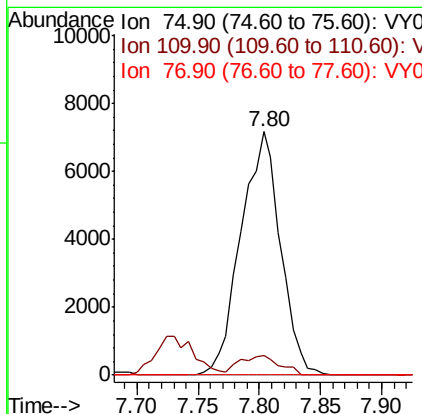
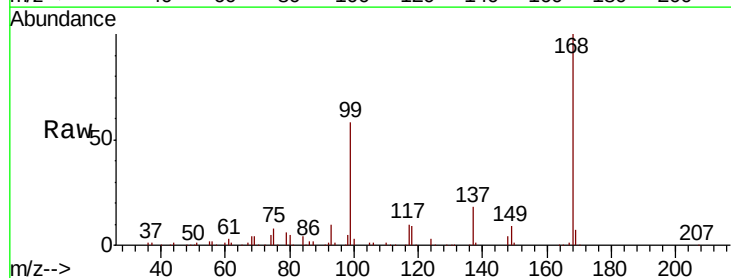
Instrument :
 MSVOA_Y
 ClientSampleId :

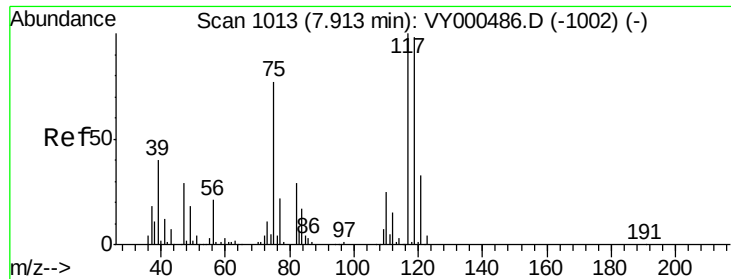
Tot Ion:113 Resp: 106838
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 18.5 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.729 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000593.D
 Acq: 07 Nov 2019 19:54

Tgt Ion: 75 Resp: 16108
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.1 54.1#
 77 0.0 25.0 37.6#

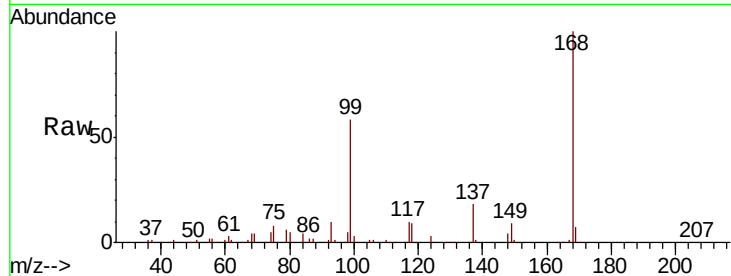




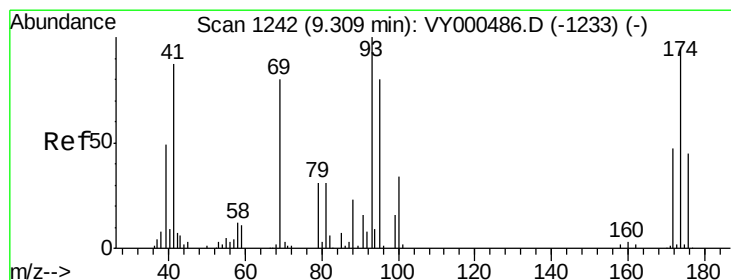
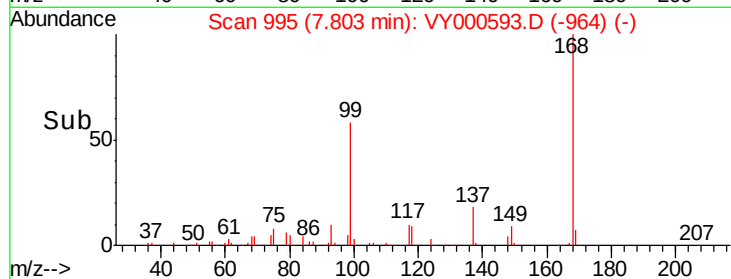
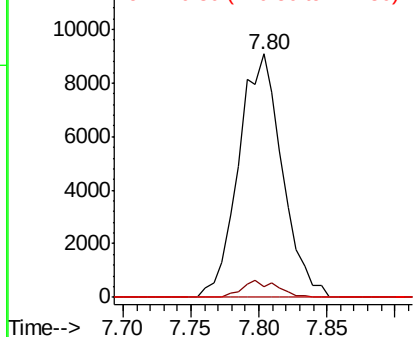
#38
Carbon Tetrachloride
Concen: 6.215 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000593.D
Acq: 07 Nov 2019 19:54

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 20368
Ion Ratio Lower Upper
117 100
119 4.6 78.0 117.0#
121 0.0 26.6 40.0#

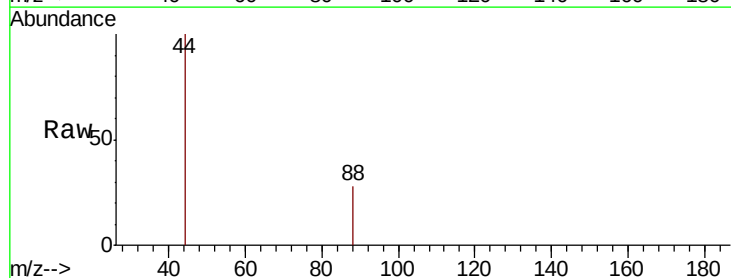


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

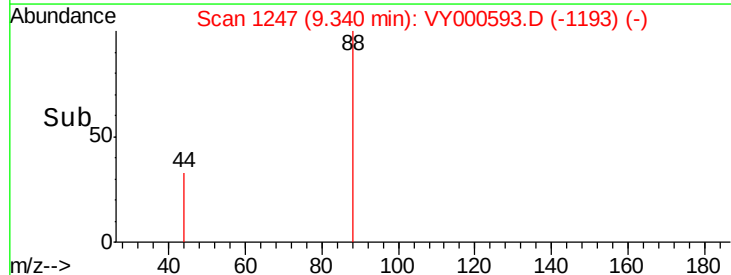
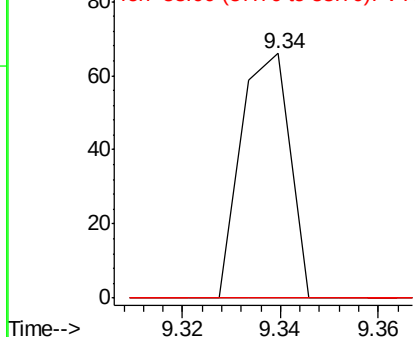


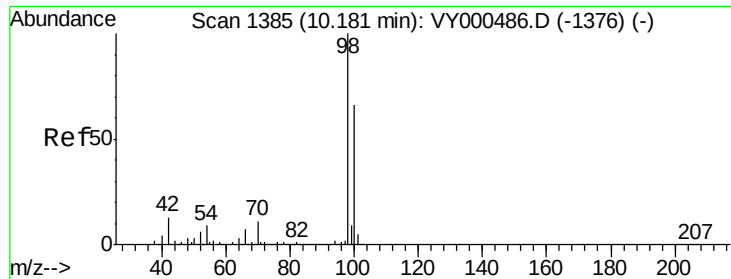
#49
1,4-Dioxane
Concen: 2.529 ug/l
RT: 9.34 min Scan# 1247
Delta R.T. 0.03 min
Lab File: VY000593.D
Acq: 07 Nov 2019 19:54

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 50.6 75.8#



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: 52.062 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

Instrument :

MSVOA_Y

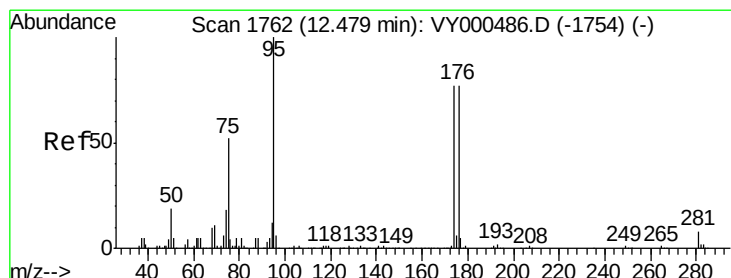
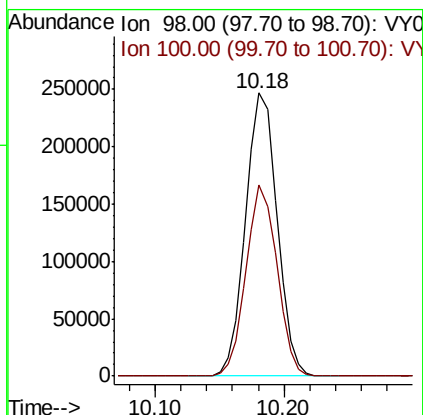
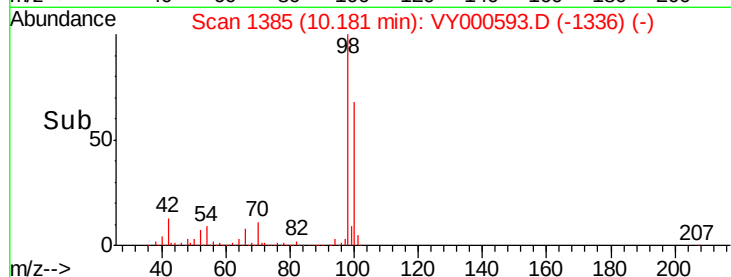
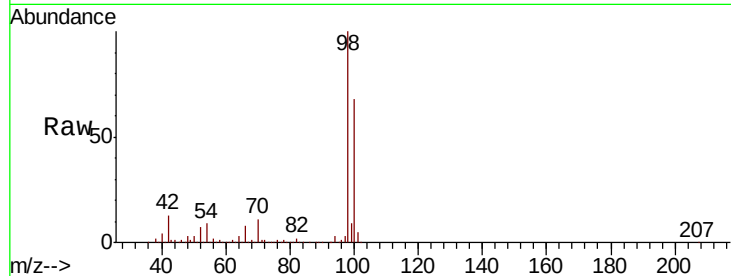
ClientSampled :

Tot Ion: 98 Resp: 417852

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.133 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

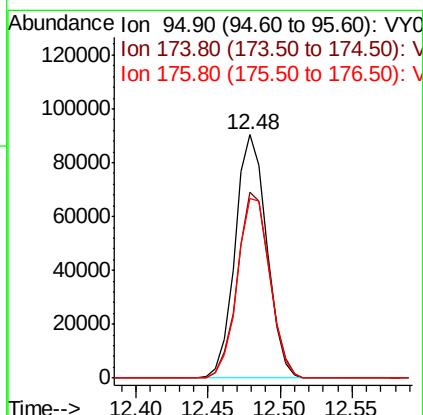
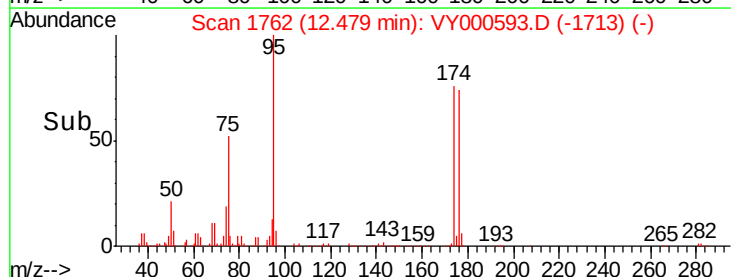
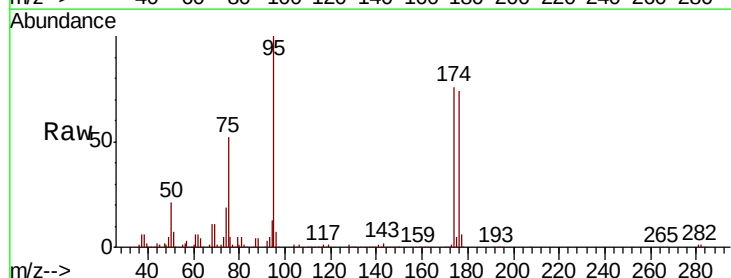
Tgt Ion: 95 Resp: 137902

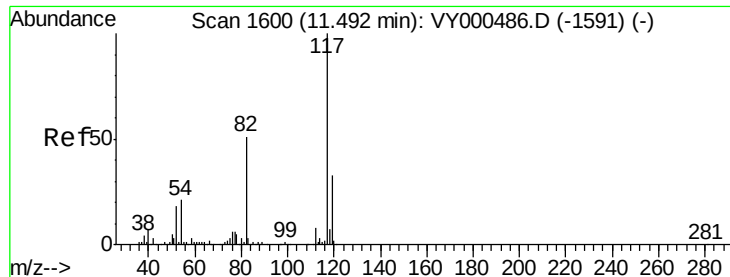
Ion Ratio Lower Upper

95 100

174 77.9 0.0 161.6

176 76.5 0.0 157.8

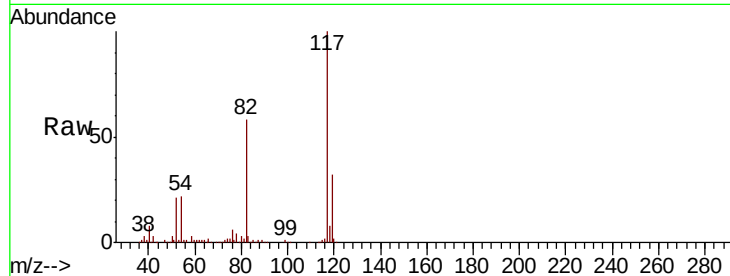




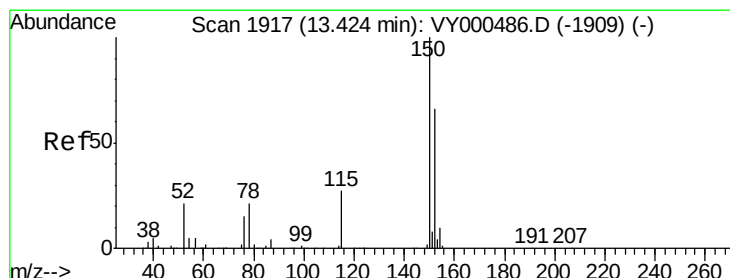
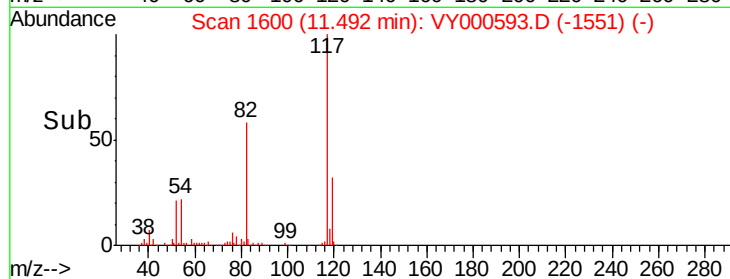
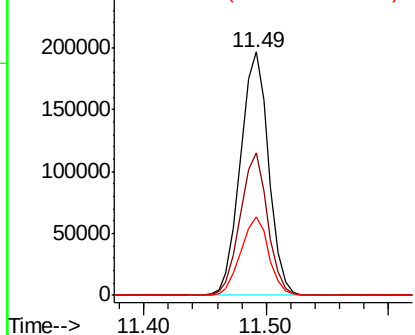
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000593.D
Acq: 07 Nov 2019 19:54

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	40.8	61.2
119	32.3	26.2	39.2

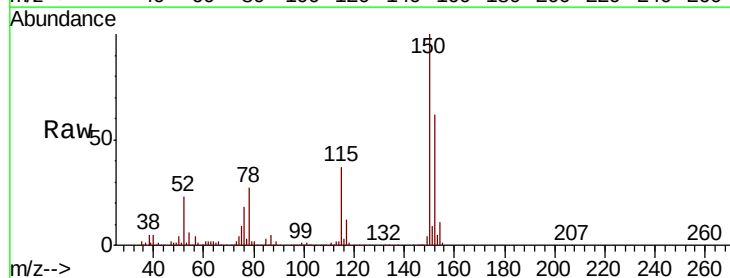


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

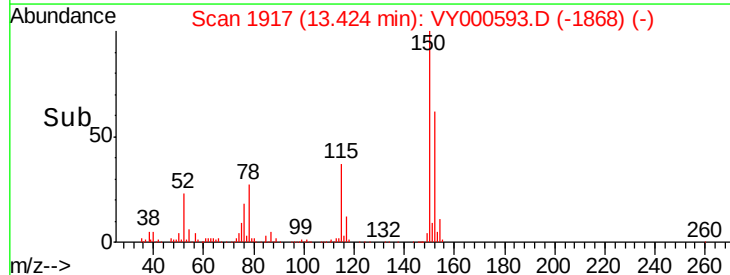
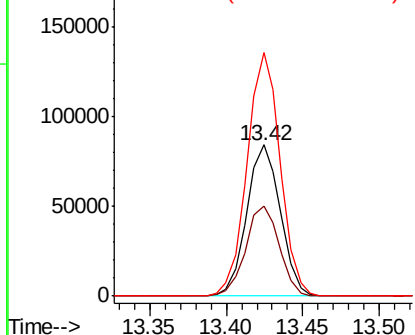


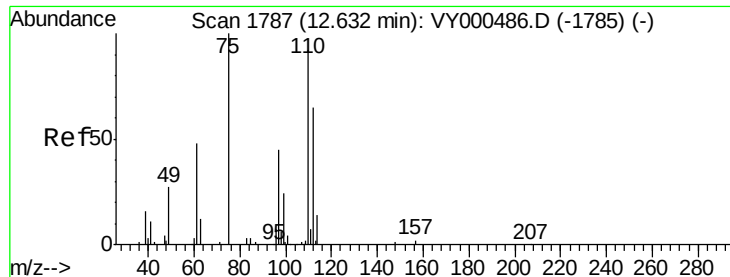
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000593.D
Acq: 07 Nov 2019 19:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.1	87.4
150	158.4	0.0	348.8



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: 50.853 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

Instrument :

MSVOA_Y

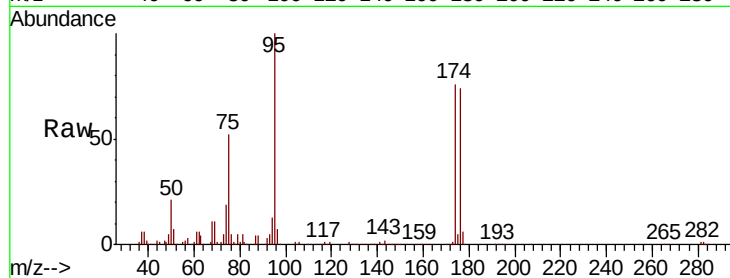
ClientSampled :

Tot Ion: 75 Resp: 74427

Ion Ratio Lower Upper

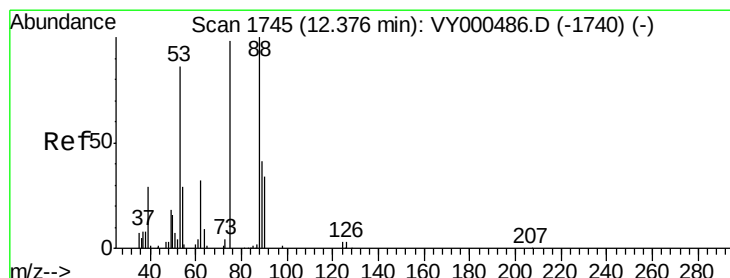
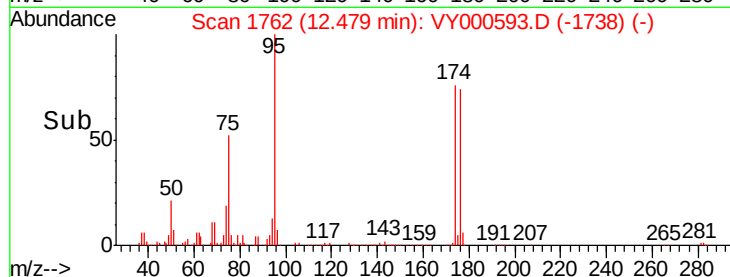
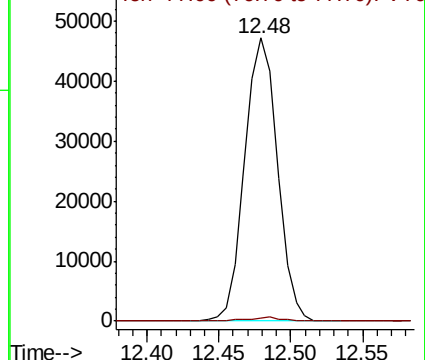
75 100

77 1.4 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: 114.019 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000593.D

Acq: 07 Nov 2019 19:54

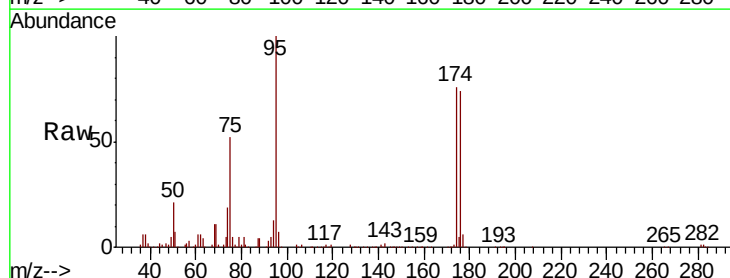
Tgt Ion: 75 Resp: 74427

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

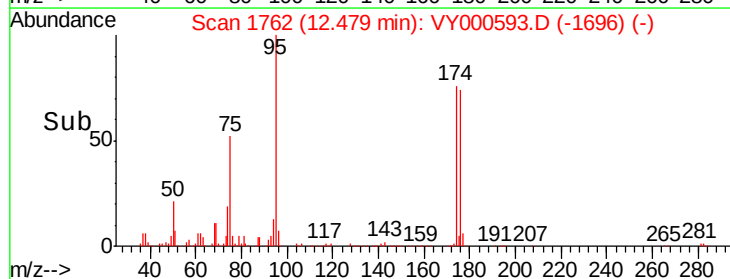
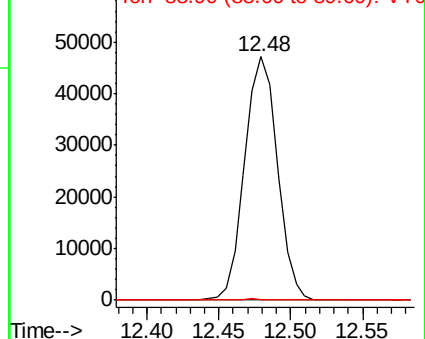
89 0.1 35.9 53.9#

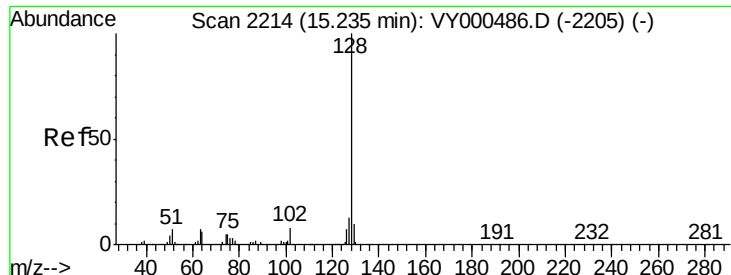


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95
Naphthalene
Concen: 1.101 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000593.D
Acq: 07 Nov 2019 19:54

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 6374
Ion Ratio Lower Upper
128 100
127 18.5 9.8 14.6#
129 23.3 8.7 13.1#

