

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000746.D
 Acq On : 20 Nov 2019 11:26
 Operator : SY/MD
 Sample : VY1120SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 07:40:10 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	201564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	342510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	297262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	128331	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	115568	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
35) Dibromofluoromethane	7.72	113	99038	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	10.18	98	393081	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.48	95	126997	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

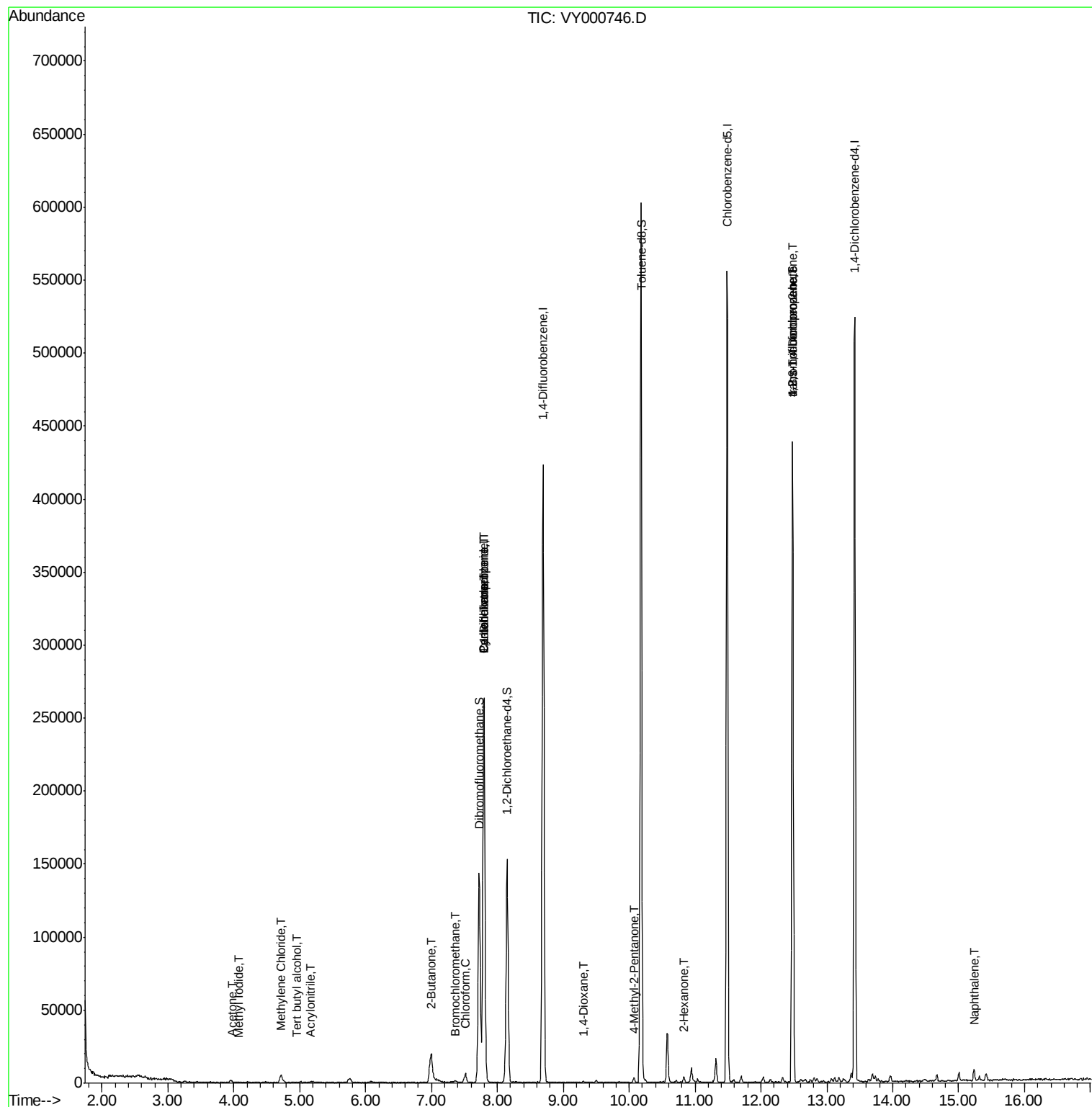
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	166	3.256	ug/l #	41
11) Tert butyl alcohol	4.95	59	333	1.640	ug/l #	93
15) Acrylonitrile	5.17	53	779	1.249	ug/l #	75
16) Acetone	3.97	43	2396	4.168	ug/l #	87
20) Methylene Chloride	4.72	84	3597	1.460	ug/l #	90
25) 2-Butanone	6.99	43	1121	1.222	ug/l #	75
28) Bromochloromethane	7.35	49	207	4.201	ug/l #	14
30) Chloroform	7.51	83	5105	1.309	ug/l	88
31) Cyclohexane	7.80	56	5126	1.270	ug/l #	29
36) 1,1-Dichloropropene	7.79	75	16620	5.133	ug/l #	48
38) Carbon Tetrachloride	7.79	117	19972	6.410	ug/l #	15
49) 1,4-Dioxane	9.31	88	63	3.643	ug/l #	76
51) 4-Methyl-2-Pentanone	10.07	43	2239	1.166	ug/l	99
59) 2-Hexanone	10.83	43	2410	1.723	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	67344	46.087	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	67344	103.334	ug/l #	13
95) Naphthalene	15.23	128	6109	1.057	ug/l #	96

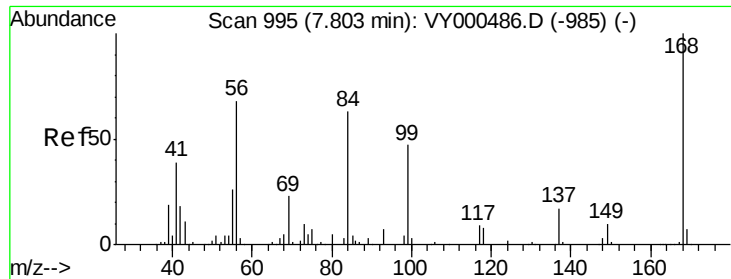
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
Data File : VY000746.D
Acq On : 20 Nov 2019 11:26
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 21 07:40:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000746.D

Acq: 20 Nov 2019 11:26

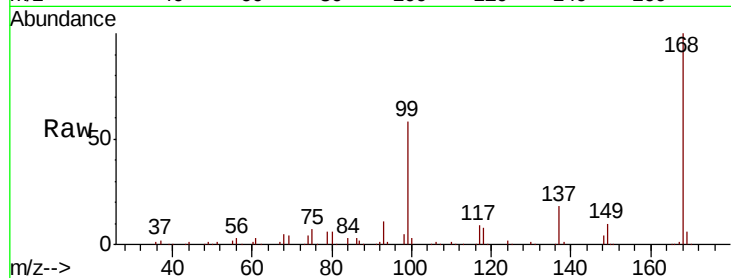
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 201564

Ion Ratio Lower Upper

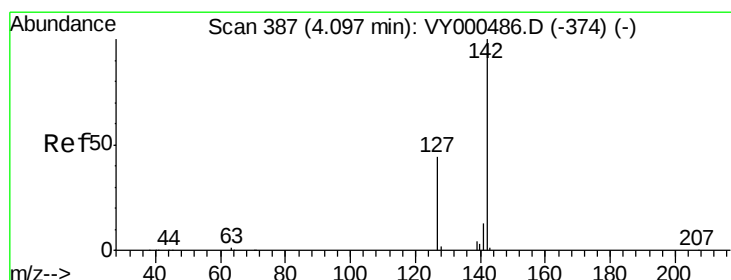
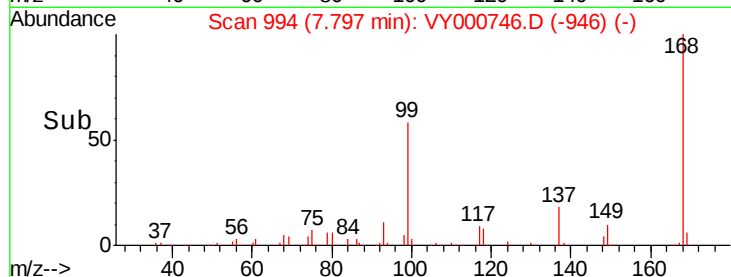
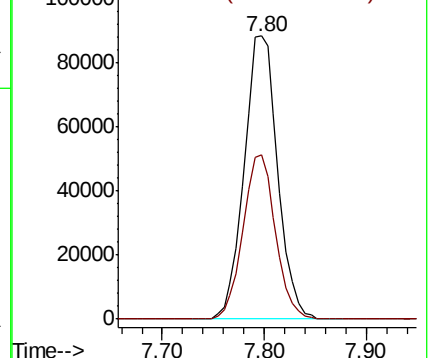
168 100

99 58.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.256 ug/l

RT: 4.08 min Scan# 384

Delta R.T. -0.02 min

Lab File: VY000746.D

Acq: 20 Nov 2019 11:26

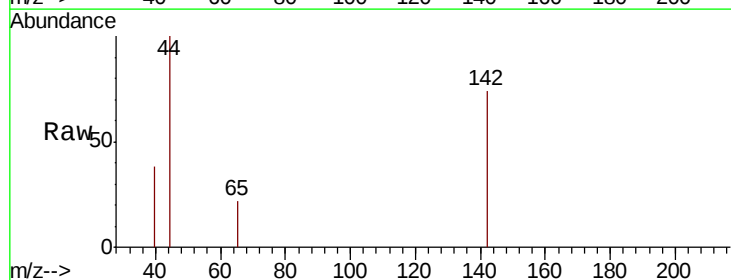
Tgt Ion:142 Resp: 166

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

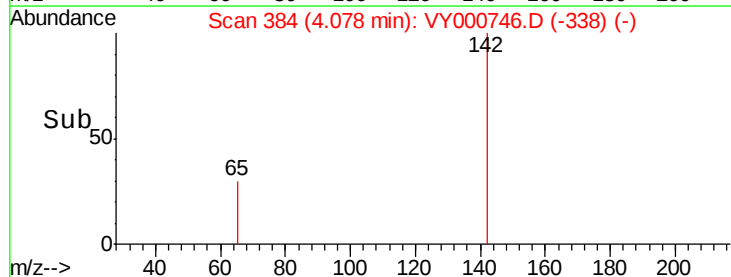
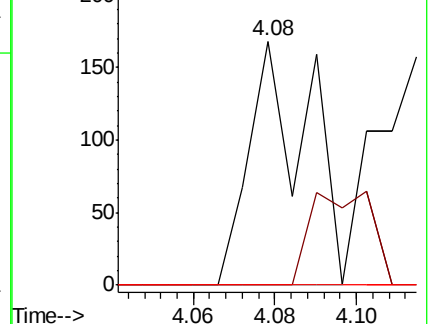
141 0.0 10.9 16.3#

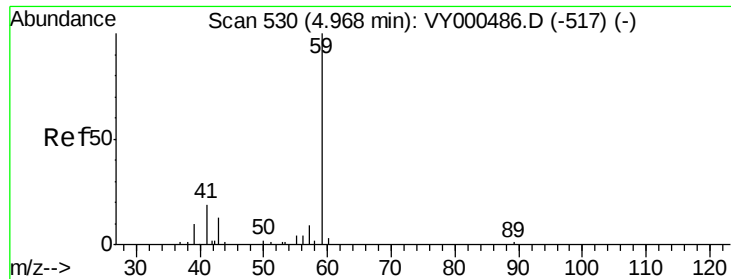


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

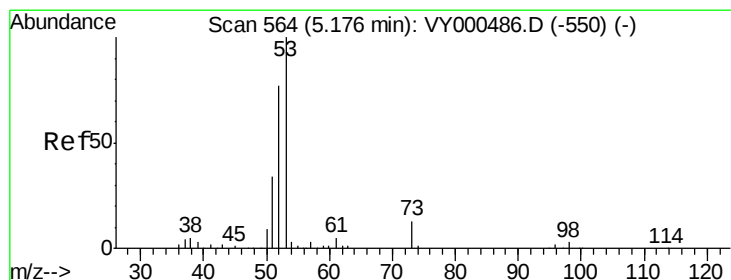
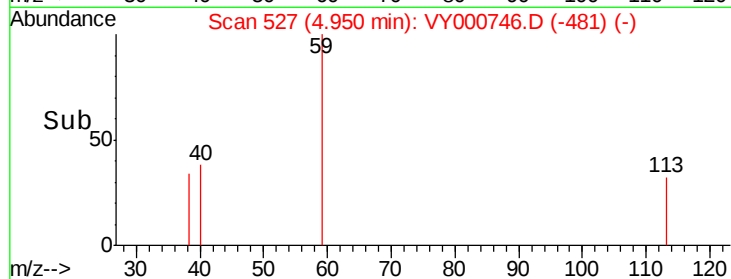
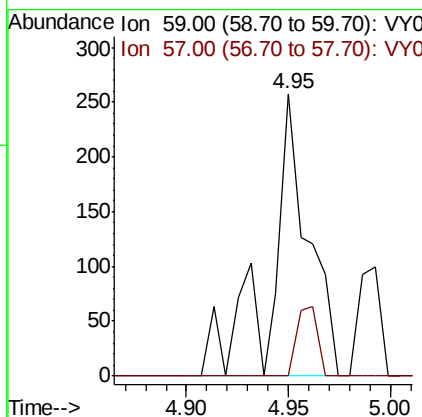
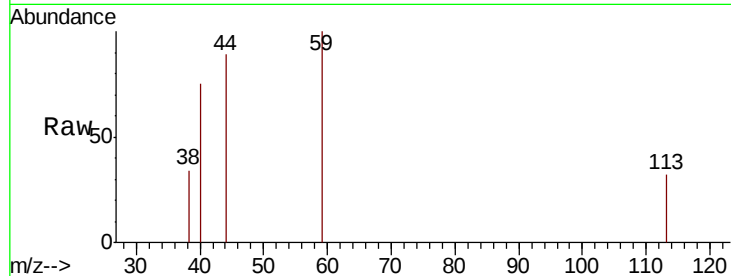




#11
Tert butyl alcohol
Concen: 1.640 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

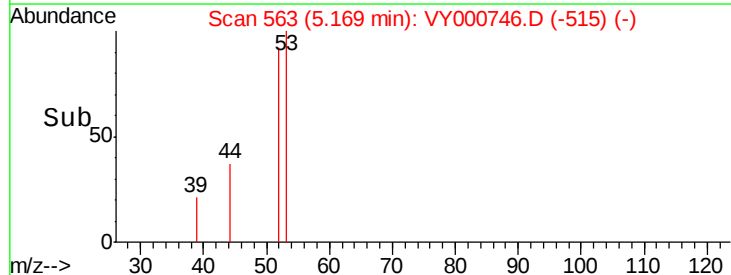
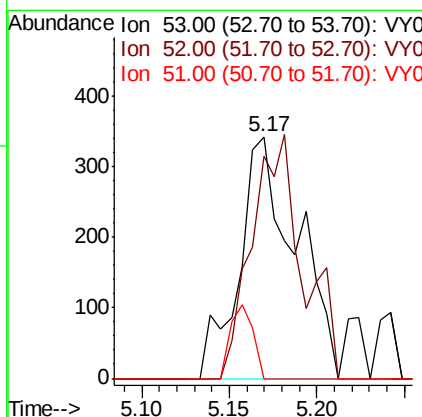
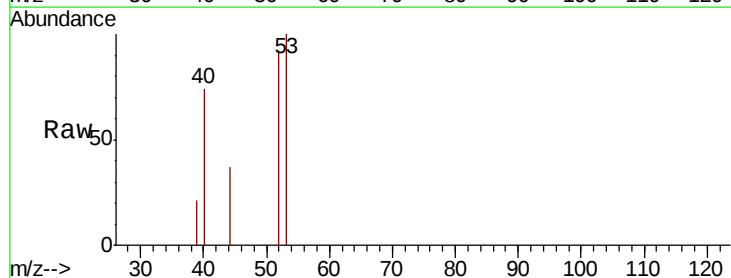
Instrument :
MSVOA_Y
ClientSampled :

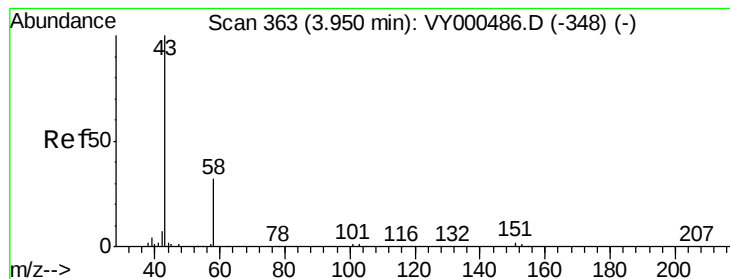
Tot Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 13.5 8.6 12.8#



#15
Acrylonitrile
Concen: 1.249 ug/l
RT: 5.17 min Scan# 563
Delta R.T. -0.01 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

Tgt Ion: 53 Resp: 779
Ion Ratio Lower Upper
53 100
52 89.9 64.9 97.3
51 0.0 27.6 41.4#





#16

Acetone

Concen: 4.168 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000746.D

Acq: 20 Nov 2019 11:26

Instrument :

MSVOA_Y

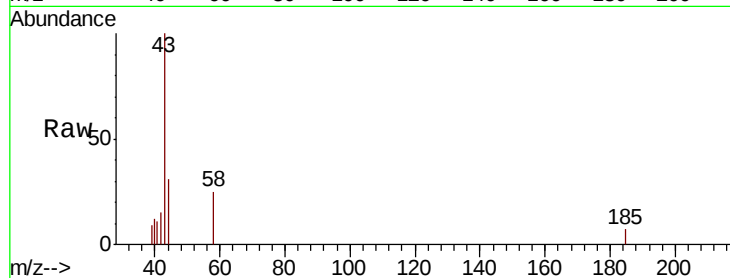
ClientSampled :

Tot Ion: 43 Resp: 2396

Ion Ratio Lower Upper

43 100

58 25.1 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

800

600

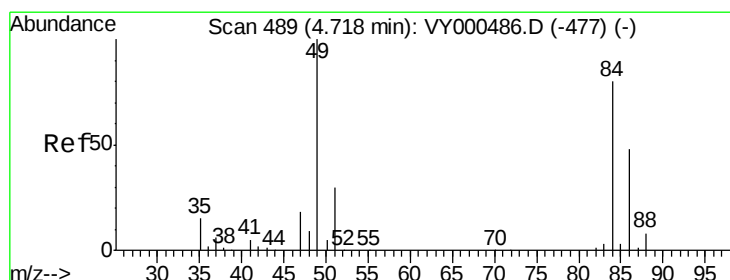
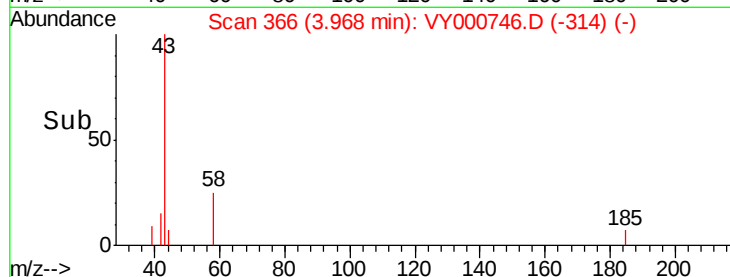
400

200

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 1.460 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.00 min

Lab File: VY000746.D

Acq: 20 Nov 2019 11:26

Tgt Ion: 84 Resp: 3597

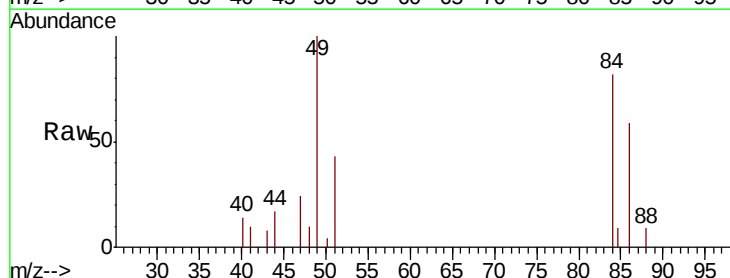
Ion Ratio Lower Upper

84 100

49 121.5 100.2 150.4

51 52.4 29.6 44.4#

86 71.1 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

2500

2000

1500

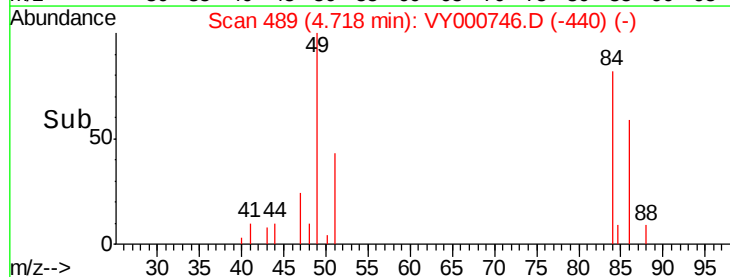
1000

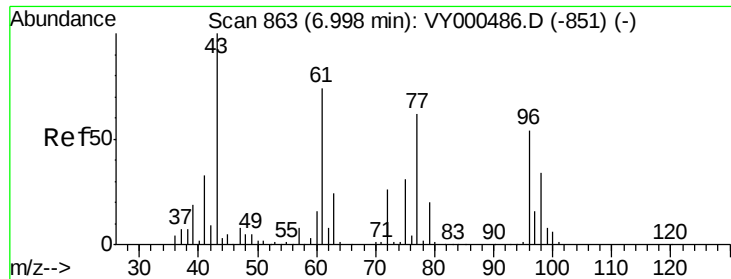
500

0

4.60 4.65 4.70 4.75 4.80

Time-->

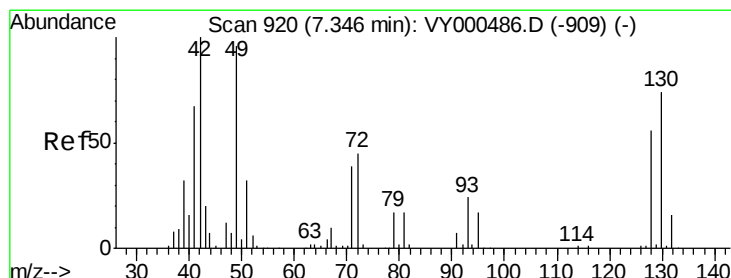
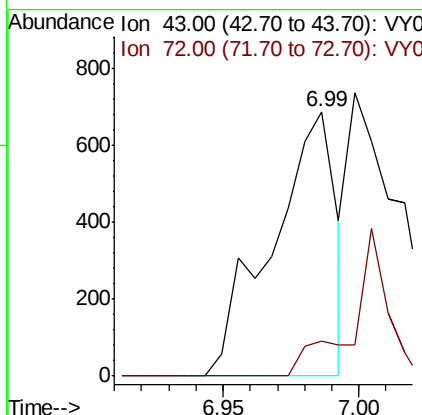
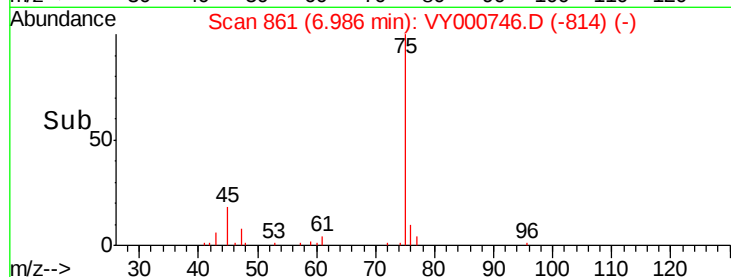
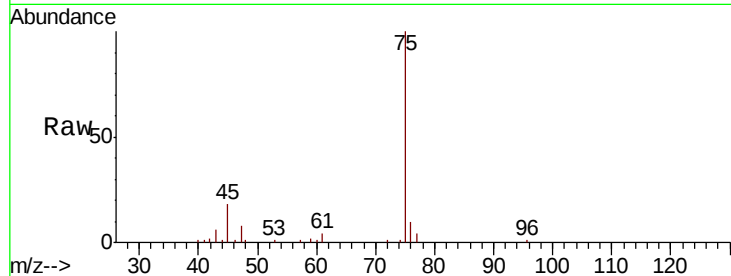




#25
2-Butanone
Concen: 1.222 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

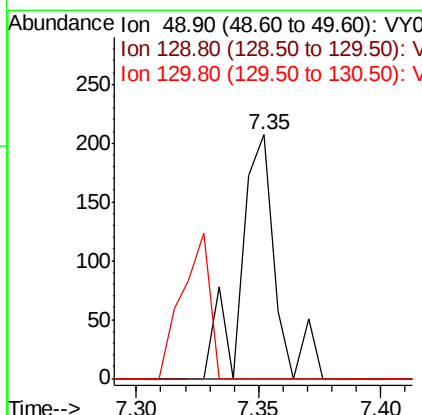
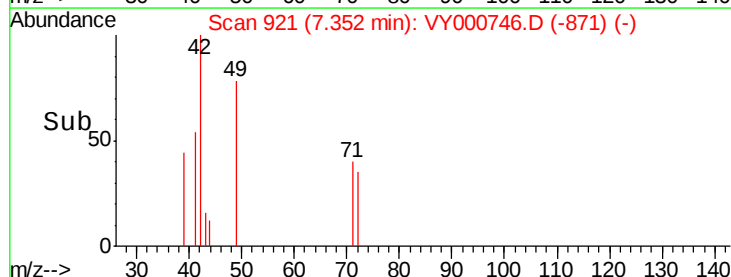
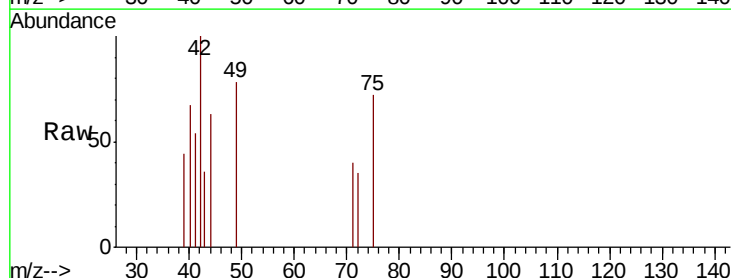
Instrument :
MSVOA_Y
ClientSampled :

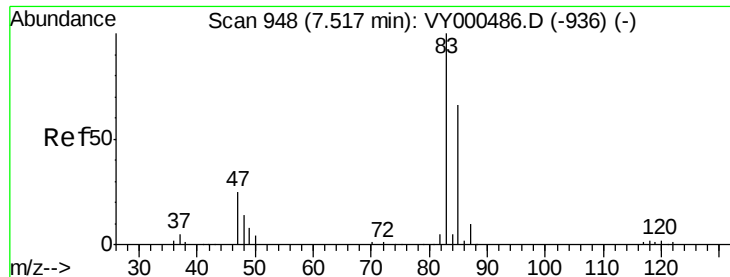
Tot Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
72 13.1 20.9 31.3#



#28
Bromochloromethane
Concen: 4.201 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

Tgt Ion: 49 Resp: 207
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

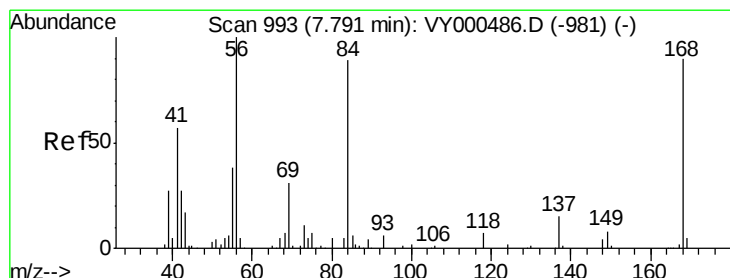
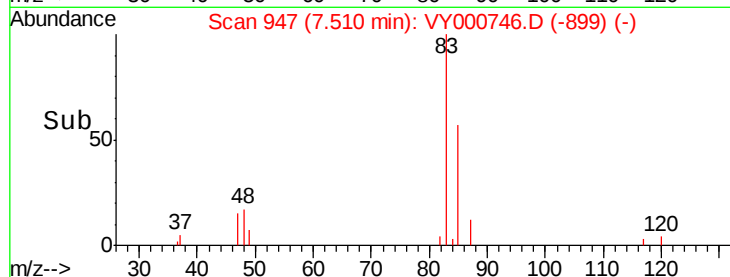
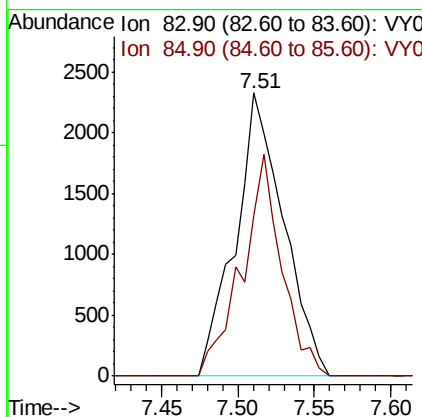
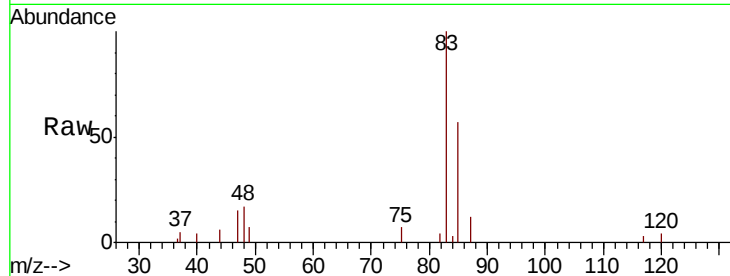




#30
Chloroform
Concen: 1.309 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

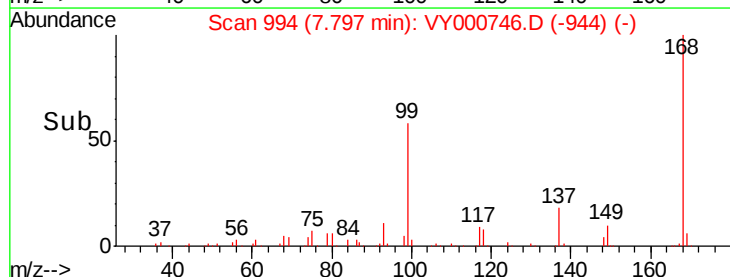
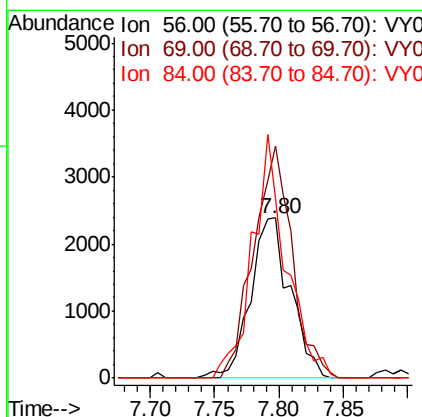
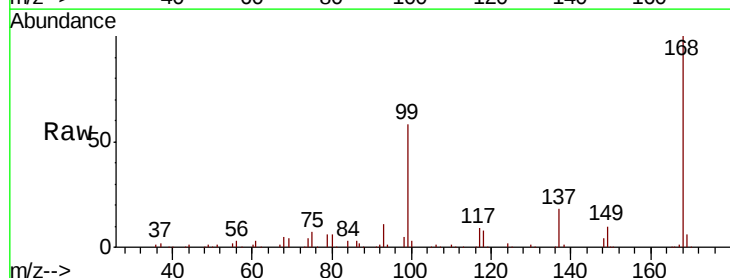
Instrument :
MSVOA_Y
ClientSampled :

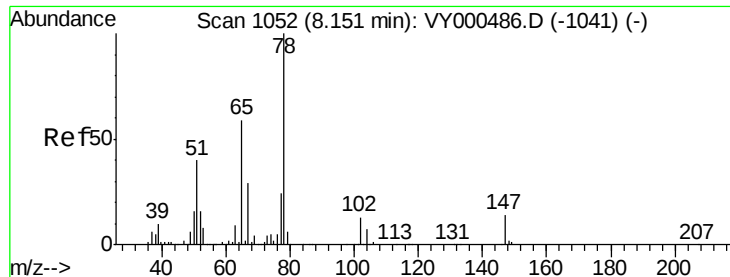
Tot Ion: 83 Resp: 5105
Ion Ratio Lower Upper
83 100
85 56.7 53.0 79.4



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

Tgt Ion: 56 Resp: 5126
Ion Ratio Lower Upper
56 100
69 144.4 25.0 37.6#
84 112.4 71.4 107.2#

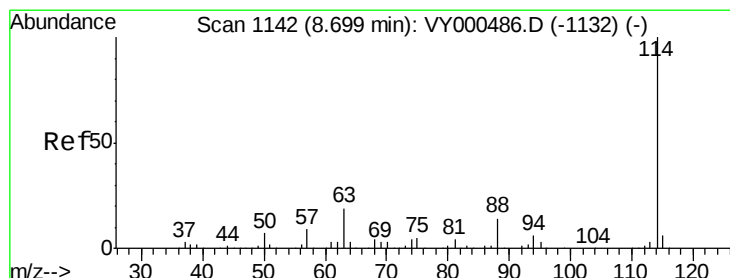
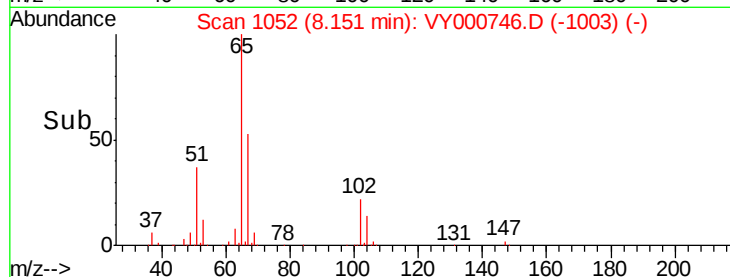
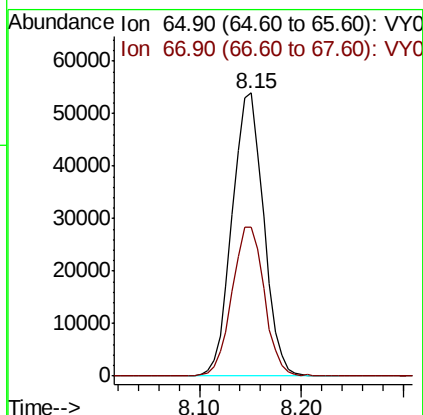
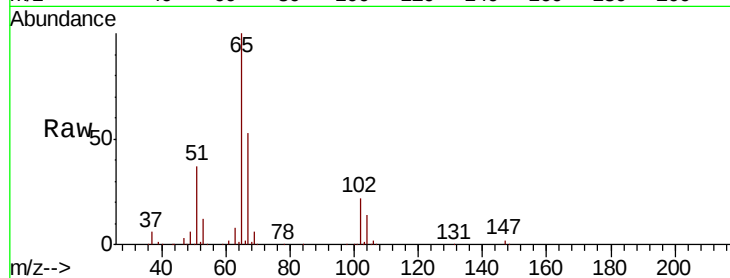




#33
 1,2-Dichloroethane-d4
 Concen: 55.404 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000746.D
 Acq: 20 Nov 2019 11:26

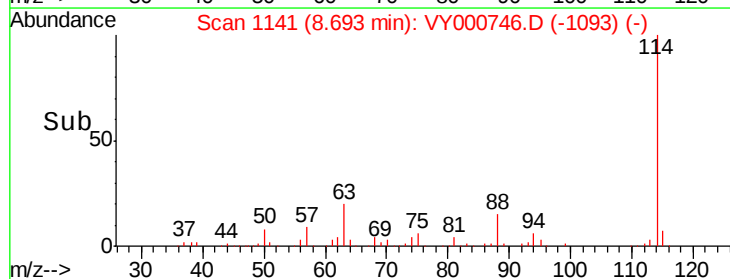
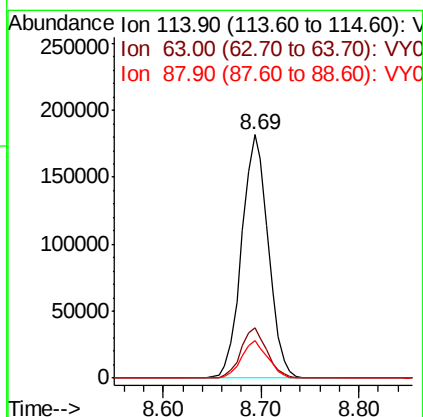
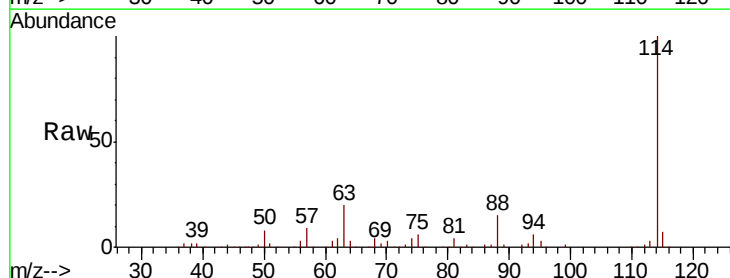
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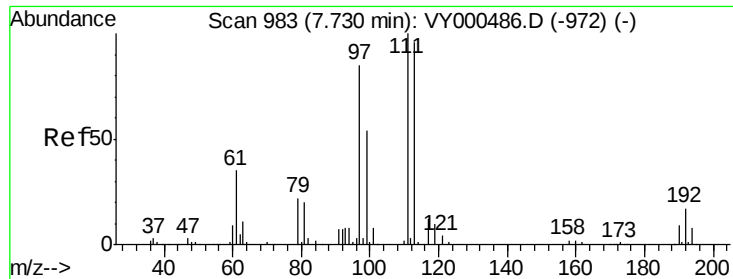
Tot Ion: 65 Resp: 115568
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000746.D
 Acq: 20 Nov 2019 11:26

Tgt Ion: 114 Resp: 342510
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.0
 88 15.2 0.0 28.6

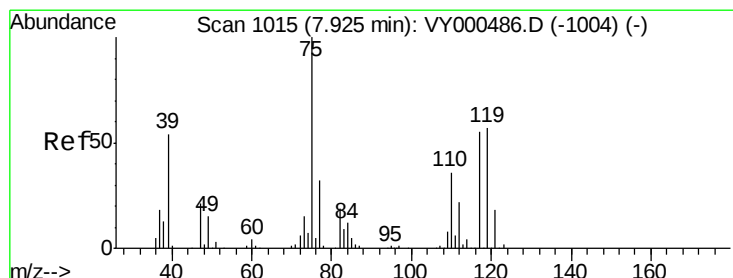
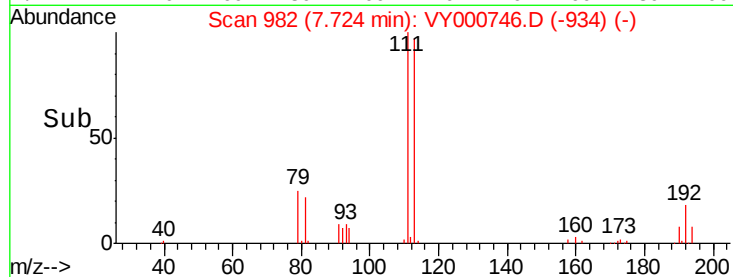
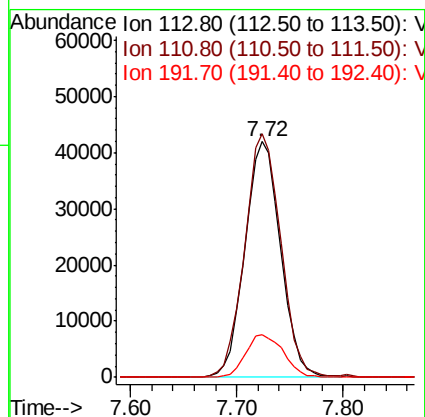
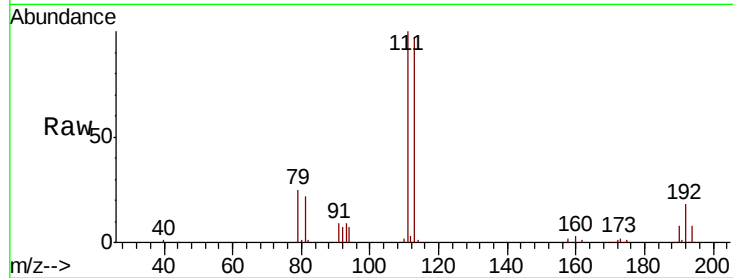




#35
 Dibromofluoromethane
 Concen: 49.254 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000746.D
 Acq: 20 Nov 2019 11:26

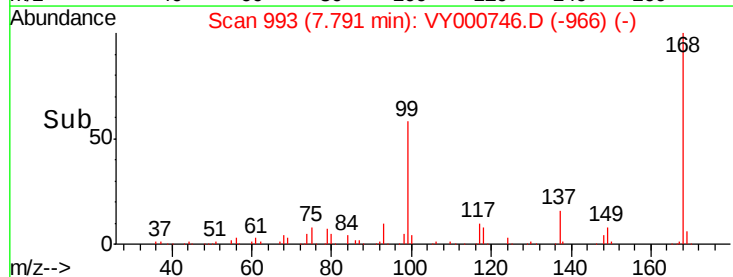
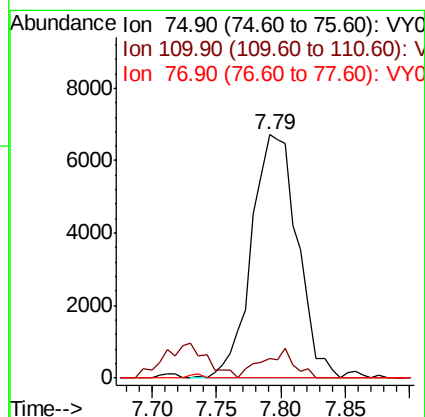
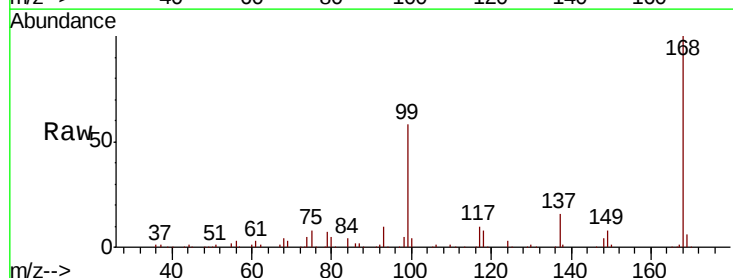
Instrument :
 MSVOA_Y
 ClientSampled :

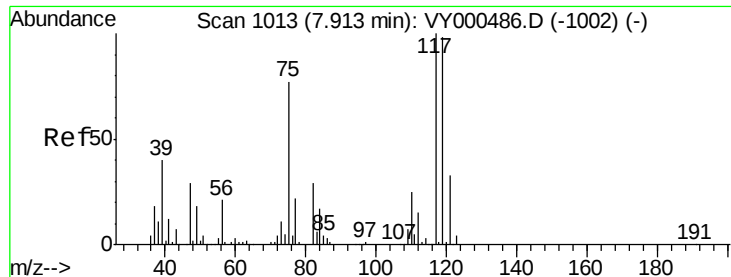
Tot Ion:113 Resp: 99038
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.7 122.5
 192 19.0 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 5.133 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000746.D
 Acq: 20 Nov 2019 11:26

Tgt Ion: 75 Resp: 16620
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.410 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY000746.D

Acq: 20 Nov 2019 11:26

Instrument :

MSVOA_Y

ClientSampled :

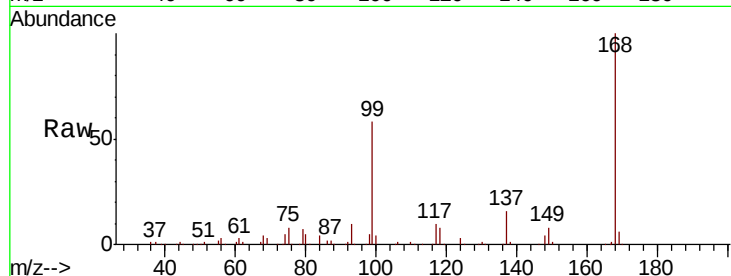
Tot Ion:117 Resp: 19972

Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

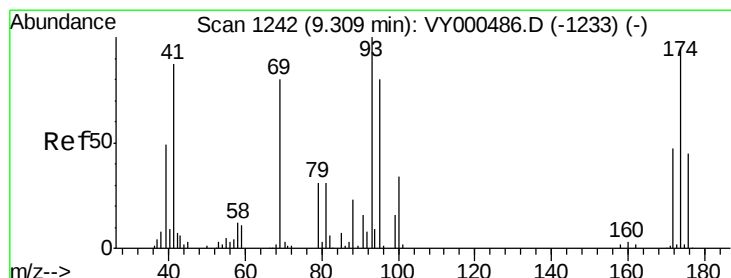
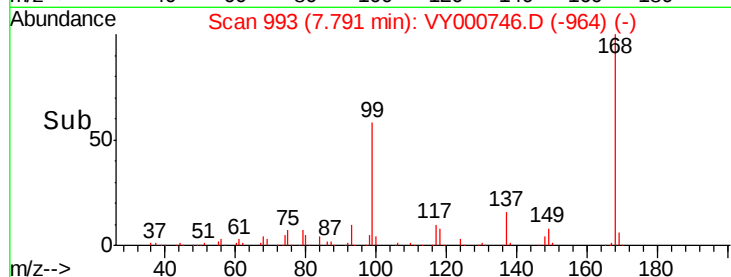
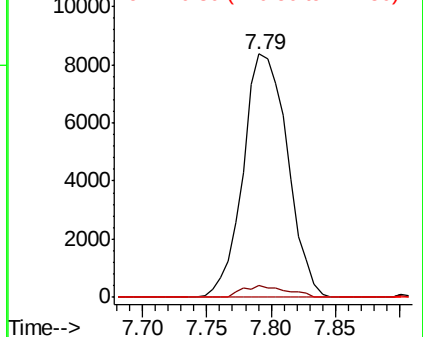
121 0.0 26.6 40.0#



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: 3.643 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000746.D

Acq: 20 Nov 2019 11:26

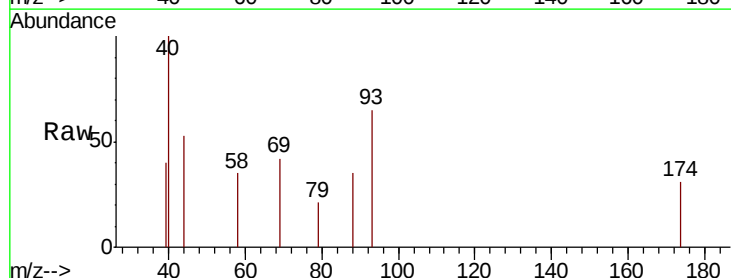
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

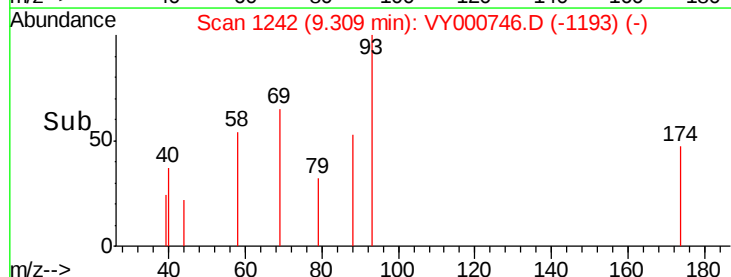
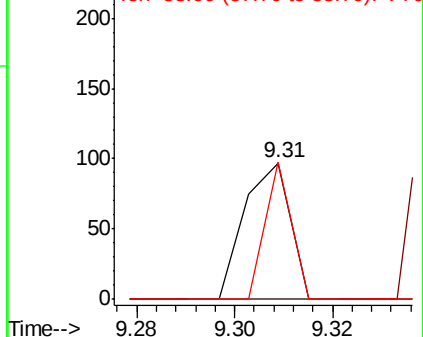
58 57.1 50.6 75.8

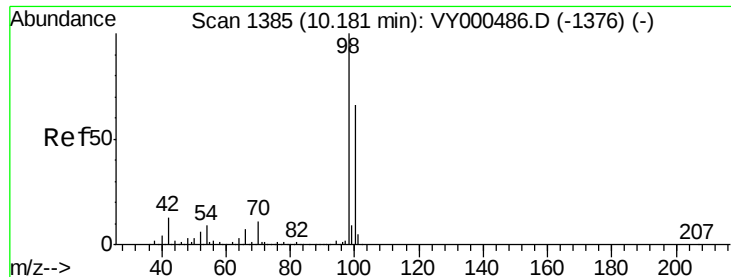


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.520 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000746.D

Acq: 20 Nov 2019 11:26

Instrument :

MSVOA_Y

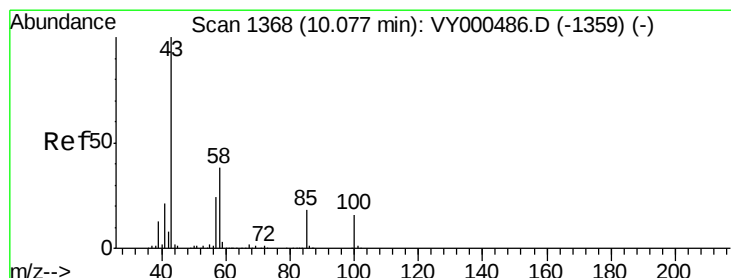
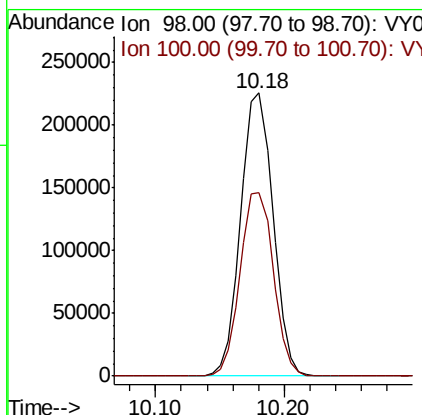
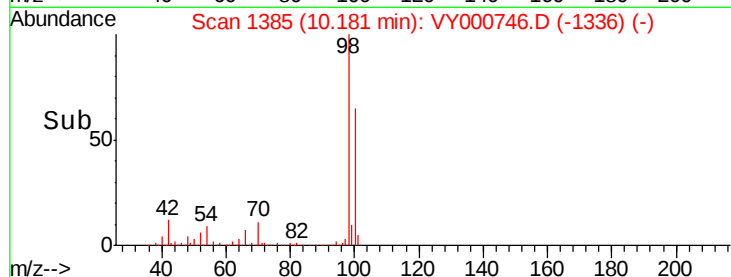
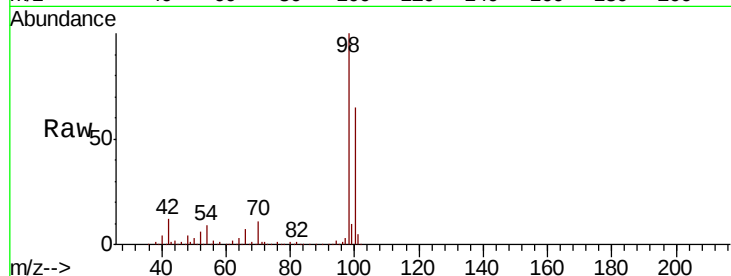
ClientSampled :

Tot Ion: 98 Resp: 393081

Ion Ratio Lower Upper

98 100

100 66.7 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.166 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000746.D

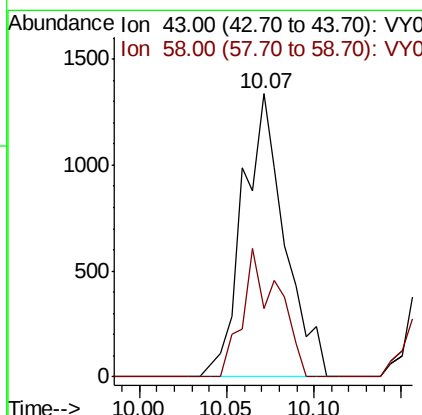
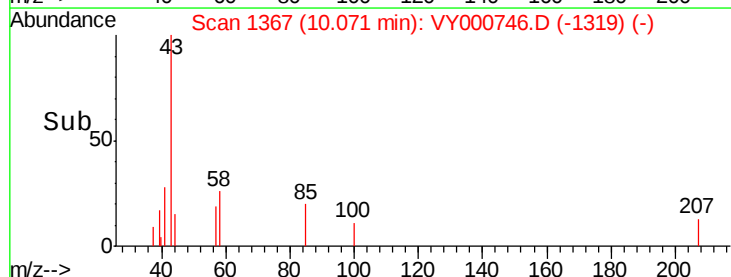
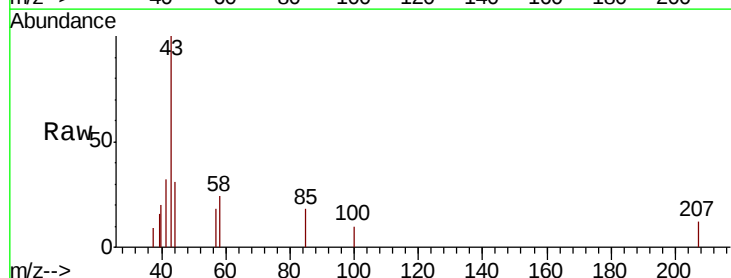
Acq: 20 Nov 2019 11:26

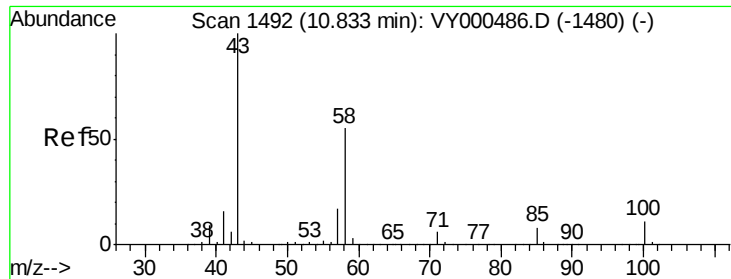
Tgt Ion: 43 Resp: 2239

Ion Ratio Lower Upper

43 100

58 38.2 30.2 45.4

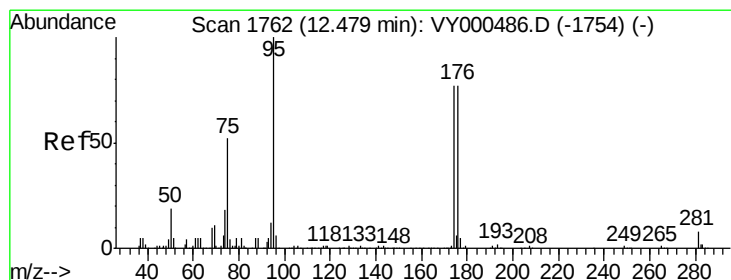
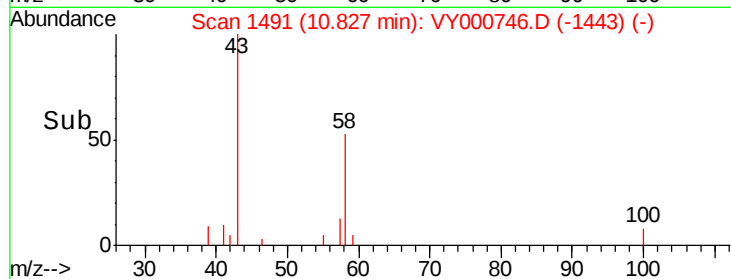
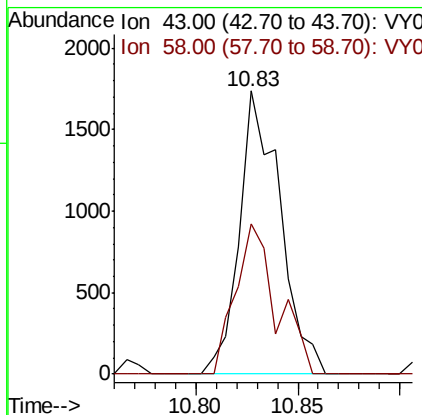
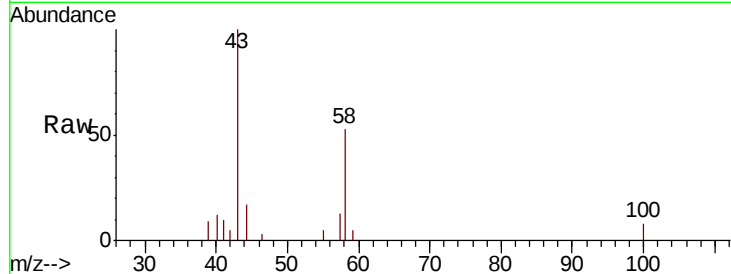




#59
2-Hexanone
Concen: 1.723 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

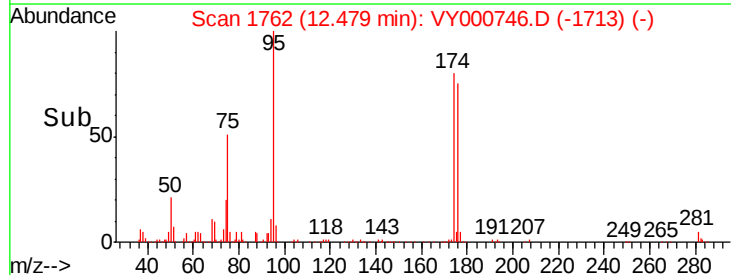
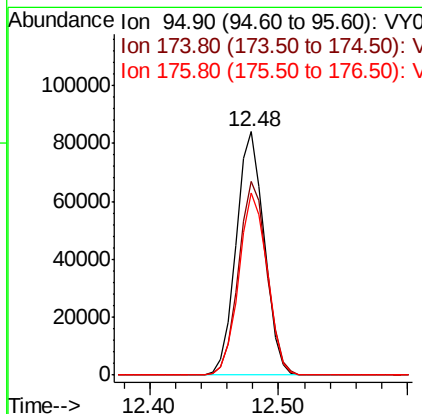
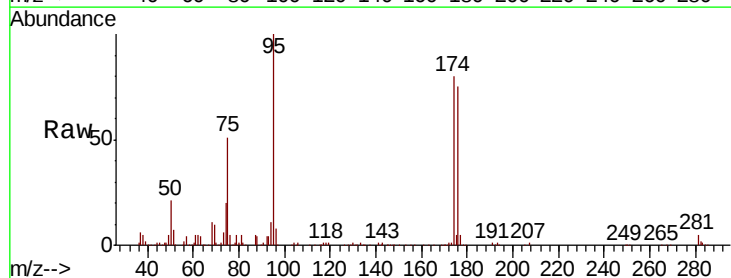
Instrument :
MSVOA_Y
ClientSampleId :

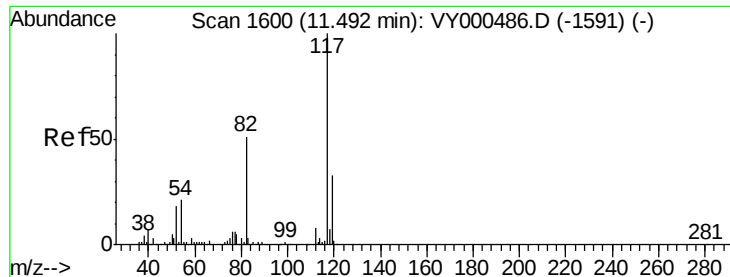
Tot Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
58 53.5 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 43.723 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

Tgt Ion: 95 Resp: 126997
Ion Ratio Lower Upper
95 100
174 80.1 0.0 161.6
176 75.6 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY000746.D

Acq: 20 Nov 2019 11:26

Instrument :

MSVOA_Y

ClientSampled :

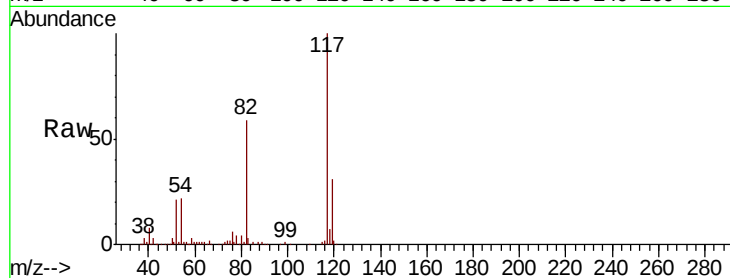
Tot Ion:117 Resp: 297262

Ion Ratio Lower Upper

117 100

82 58.6 40.8 61.2

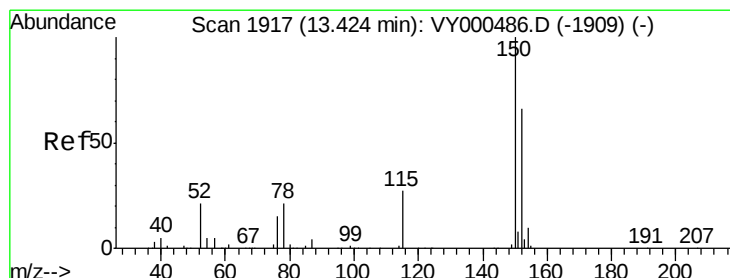
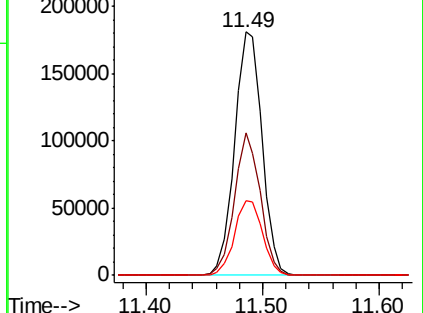
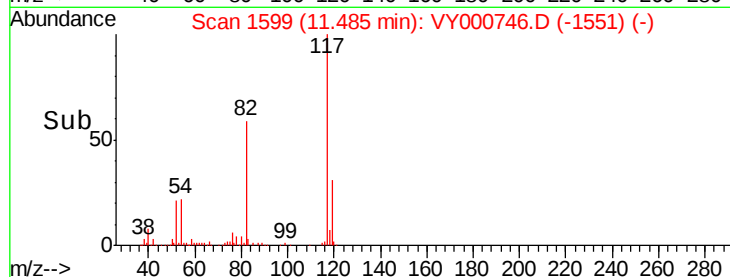
119 30.7 26.2 39.2



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: VY000746.D

Acq: 20 Nov 2019 11:26

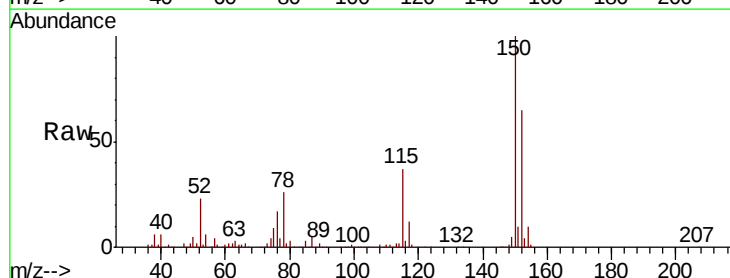
Tgt Ion:152 Resp: 128331

Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.4

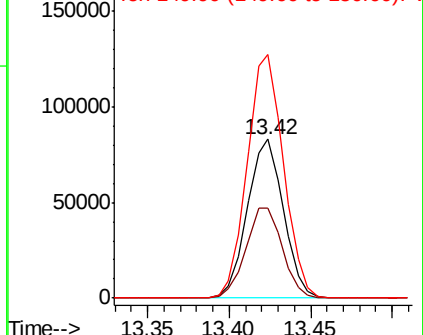
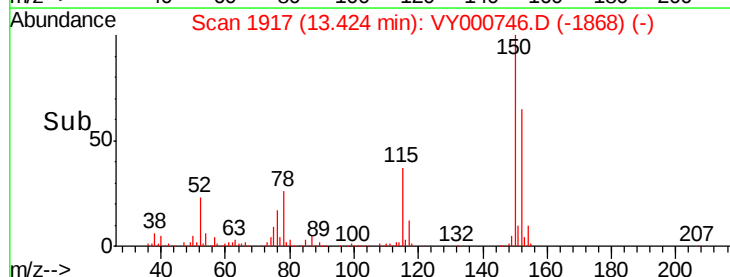
150 154.0 0.0 348.8

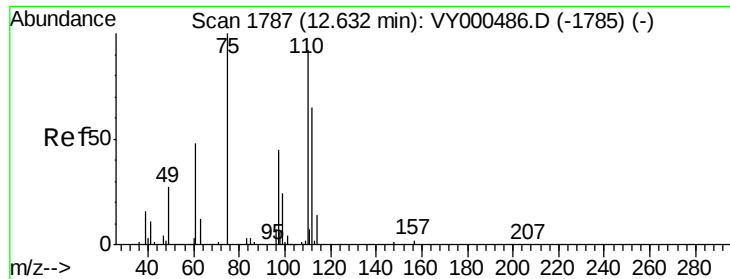


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

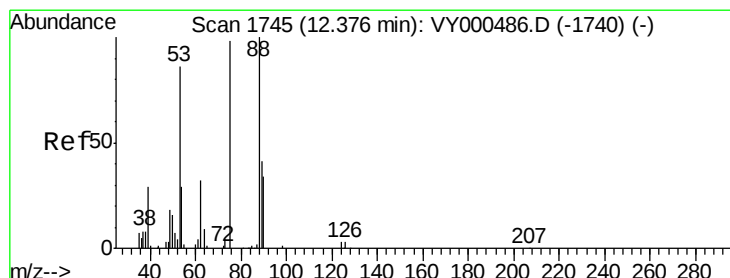
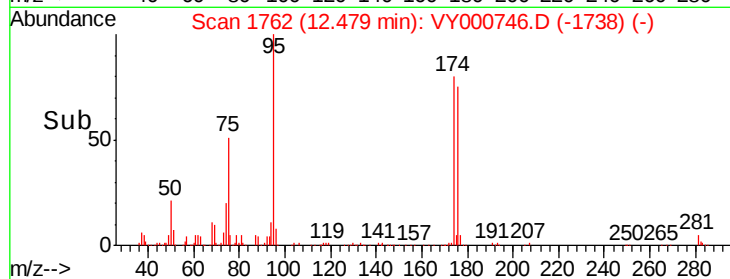
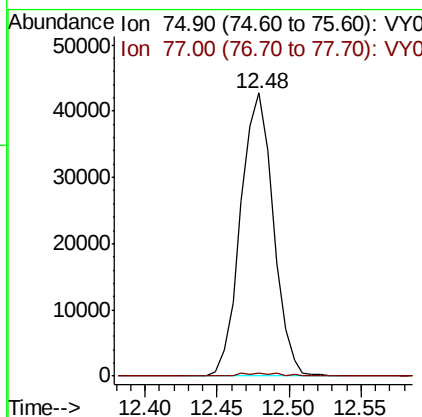
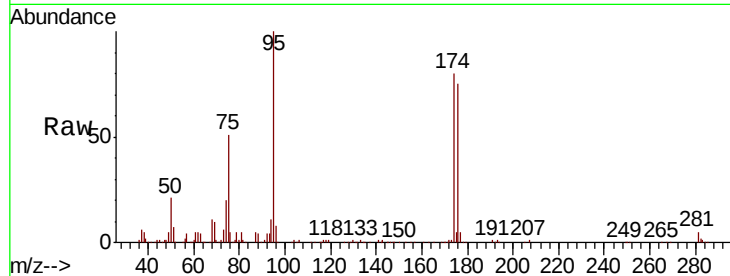




#76
 1,2,3-Trichloropropane
 Concen: 46.087 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000746.D
 Acq: 20 Nov 2019 11:26

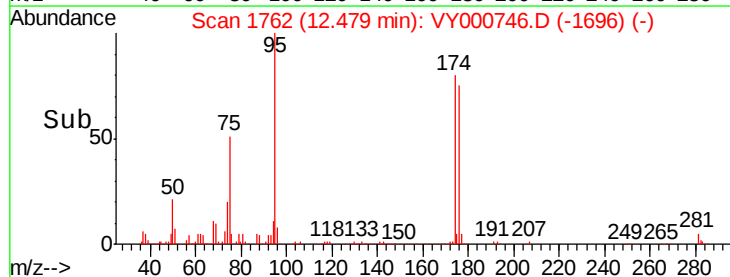
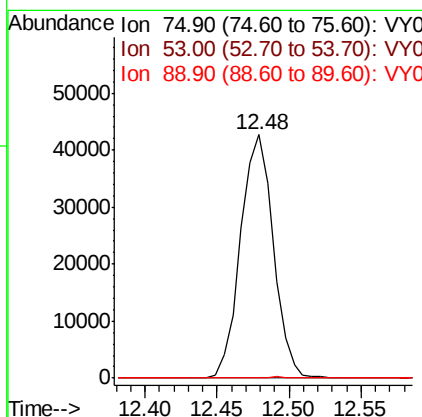
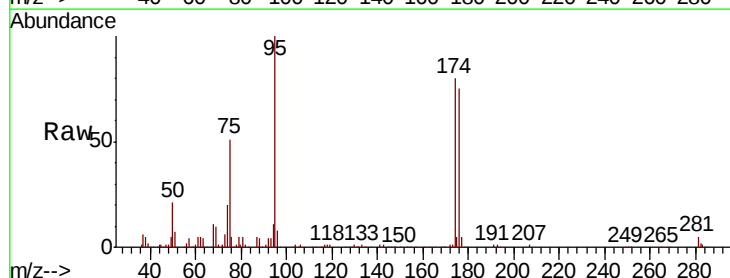
Instrument :
 MSVOA_Y
 ClientSampleId :

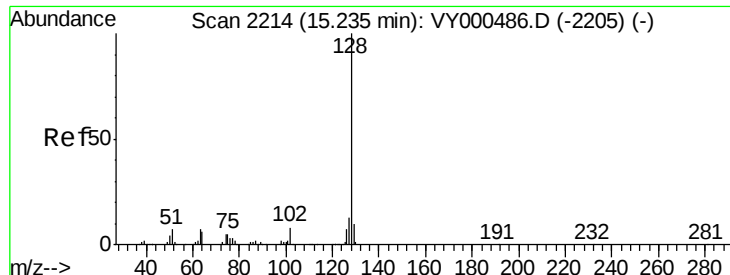
Tot Ion: 75 Resp: 67344
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.334 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000746.D
 Acq: 20 Nov 2019 11:26

Tgt Ion: 75 Resp: 67344
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.4 35.9 53.9#

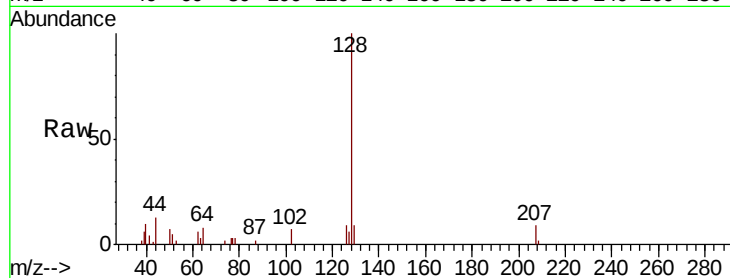




#95
Naphthalene
Concen: 1.057 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000746.D
Acq: 20 Nov 2019 11:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.7	9.8	14.6#
129	10.2	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

