

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001685.D
 Acq On : 18 Feb 2020 20:31
 Operator : SY/MD
 Sample : L1547-20
 Misc : 3.78G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-04-B

Quant Time: Feb 19 06:49:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	130501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	240728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	216619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	98866	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	79755	56.82	ug/l	0.00
Spiked Amount			Recovery	=	113.64%	
35) Dibromofluoromethane	7.75	113	70210	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.20	98	288925	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
62) 4-Bromofluorobenzene	12.50	95	100729	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

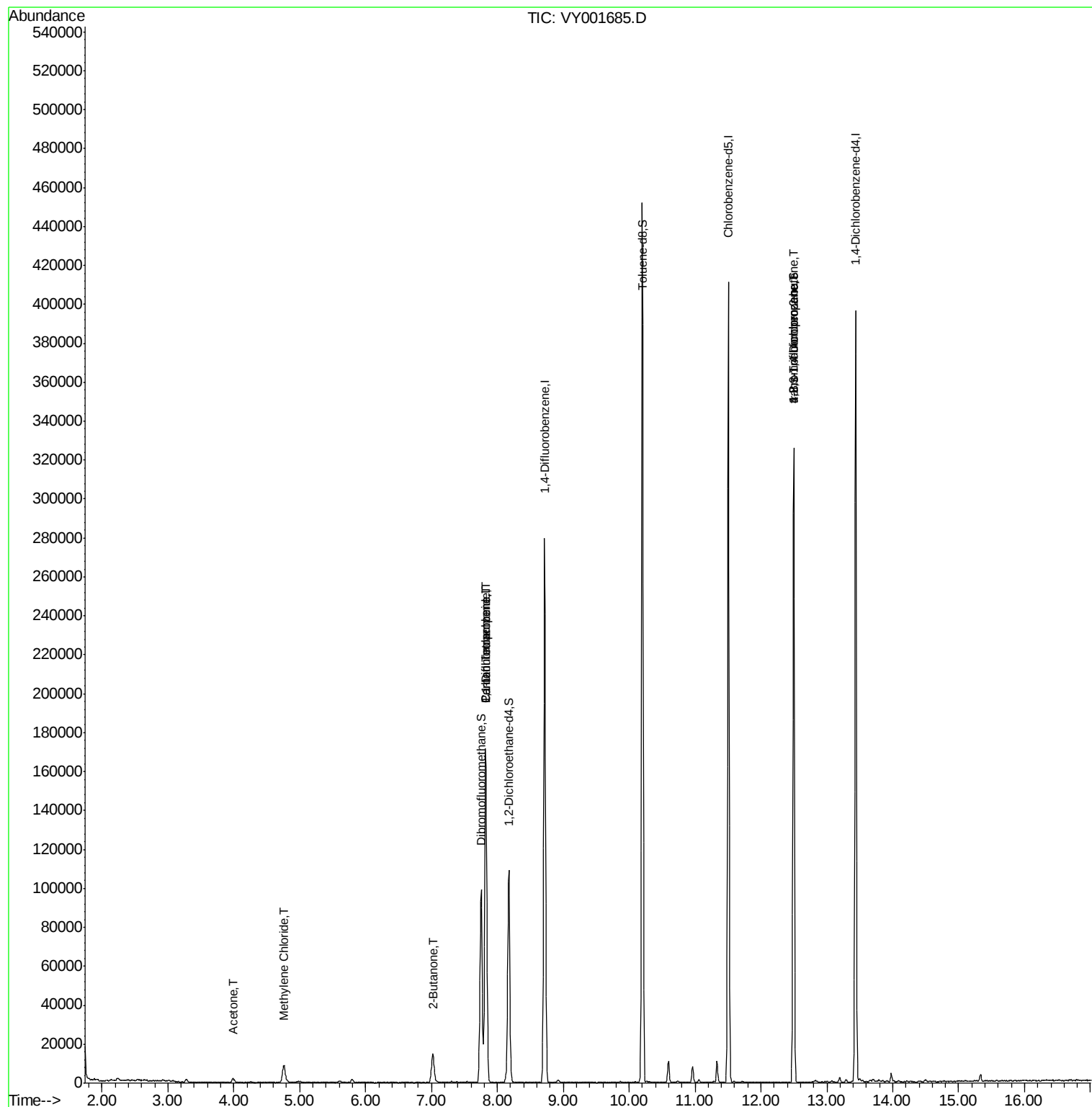
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	767	Below Cal	#	74
16) Acetone	3.99	43	3693	7.603	ug/l	97
20) Methylene Chloride	4.77	84	6486	3.759	ug/l	94
25) 2-Butanone	7.02	43	1298	1.967	ug/l #	48
36) 1,1-Dichloropropene	7.82	75	10470	4.553	ug/l #	50
38) Carbon Tetrachloride	7.82	117	13099	6.486	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	51226	45.168	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	51226	85.691	ug/l #	17

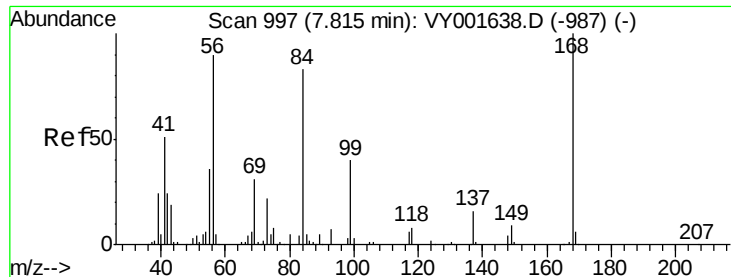
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

Instrument :

MSVOA_Y

ClientSampleId :

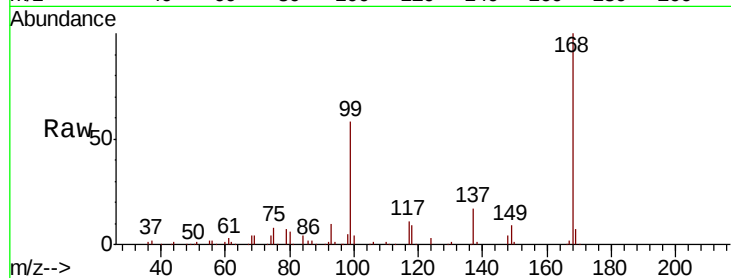
MARCY-GREEN-BH-04-B

Tot Ion:168 Resp: 130501

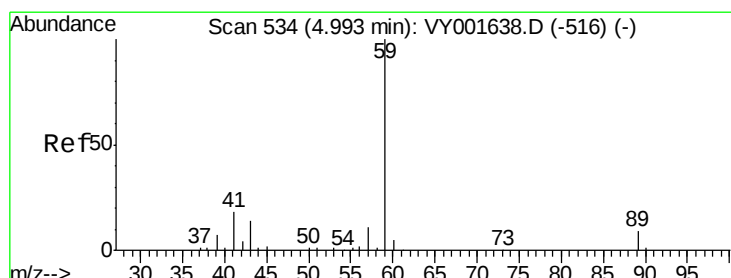
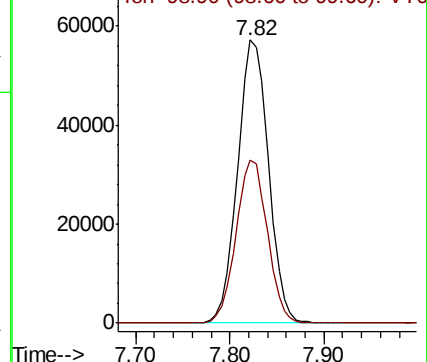
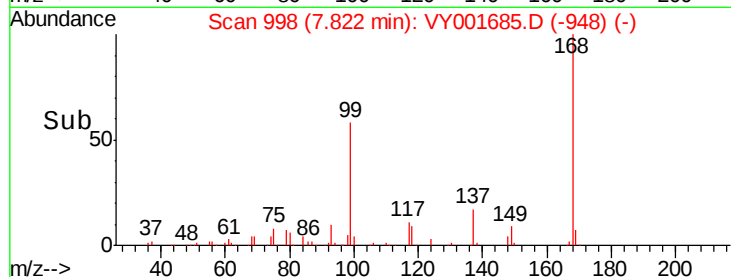
Ion Ratio Lower Upper

168 100

99 57.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001685.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001685.D

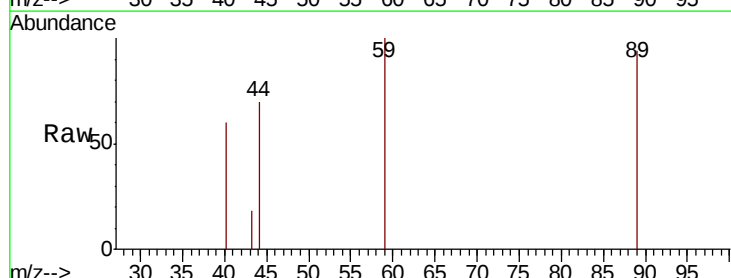
Acq: 18 Feb 2020 20:31

Tgt Ion: 59 Resp: 767

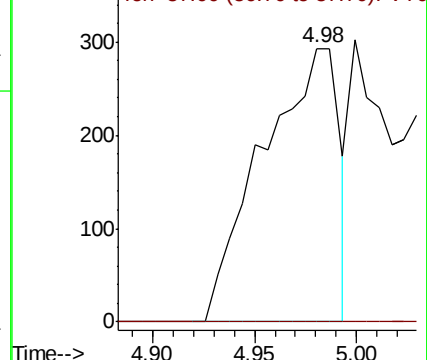
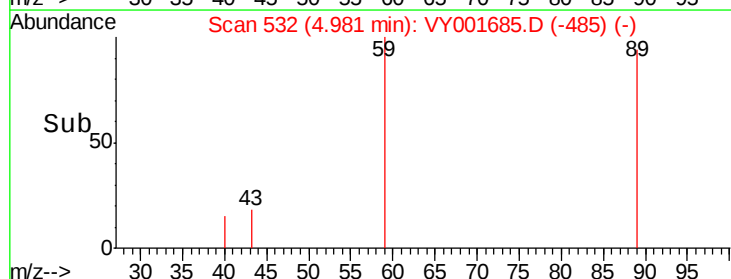
Ion Ratio Lower Upper

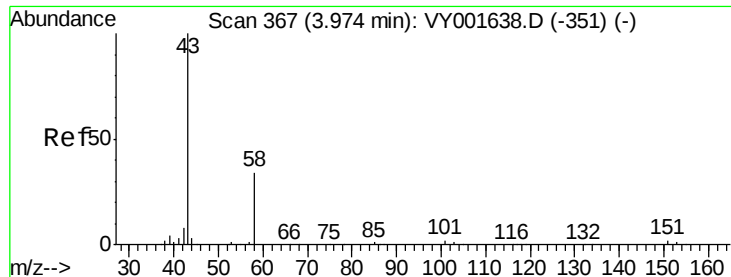
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001685.D (-485) (-)





#16

Acetone

Concen: 7.603 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

Instrument :

MSVOA_Y

ClientSampleId :

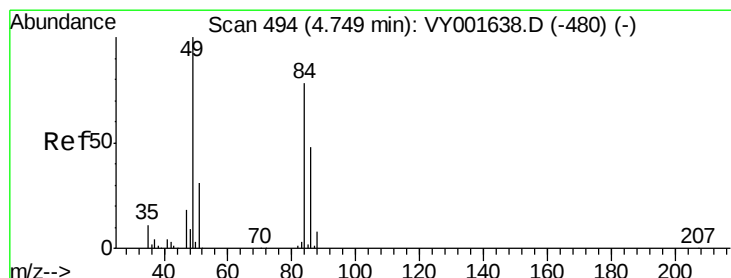
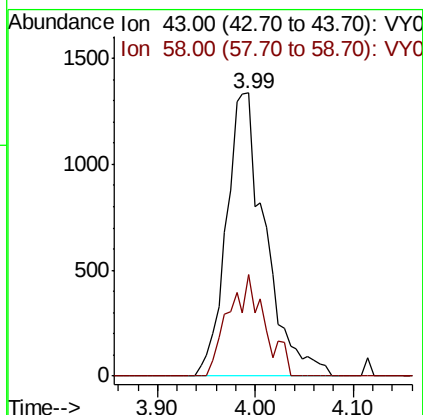
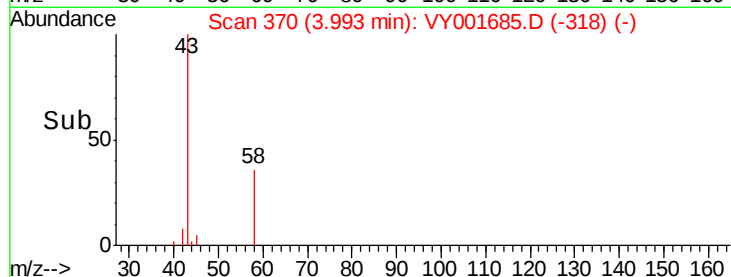
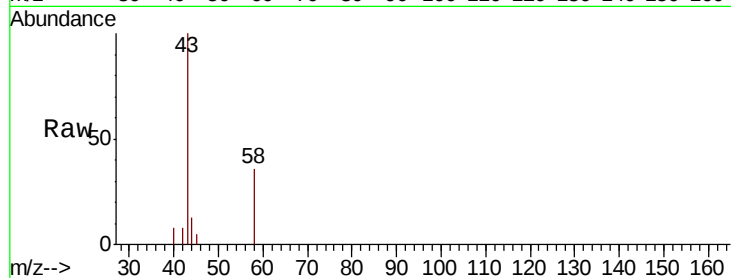
MARCY-GREEN-BH-04-B

Tot Ion: 43 Resp: 3693

Ion Ratio Lower Upper

43 100

58 35.8 27.3 40.9



#20

Methylene Chloride

Concen: 3.759 ug/l

RT: 4.77 min Scan# 497

Delta R.T. 0.02 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

Tgt Ion: 84 Resp: 6486

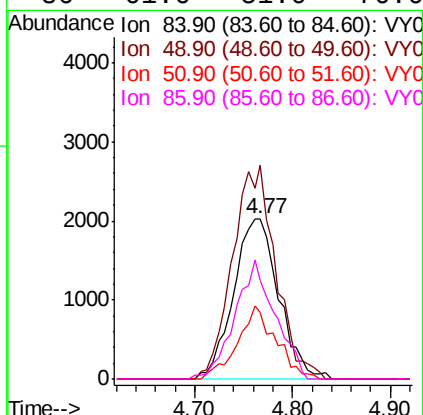
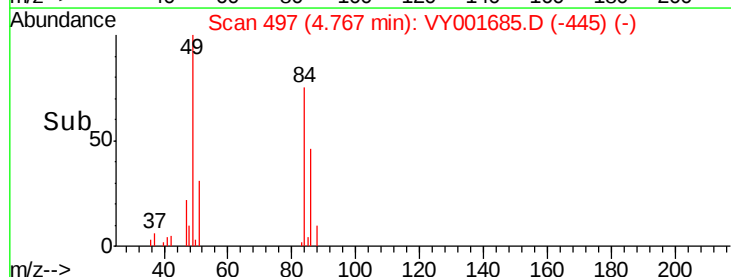
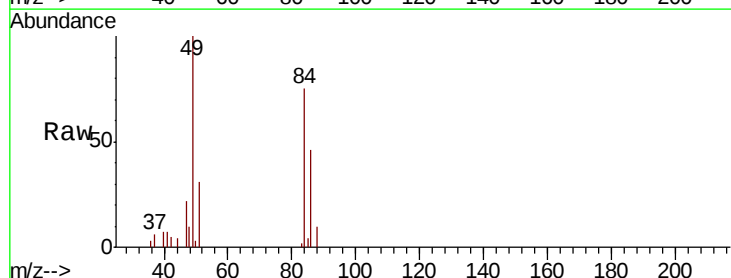
Ion Ratio Lower Upper

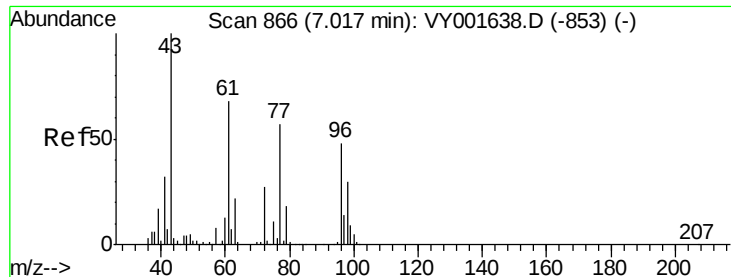
84 100

49 133.1 99.2 148.8

51 41.2 31.5 47.3

86 61.6 51.0 76.6

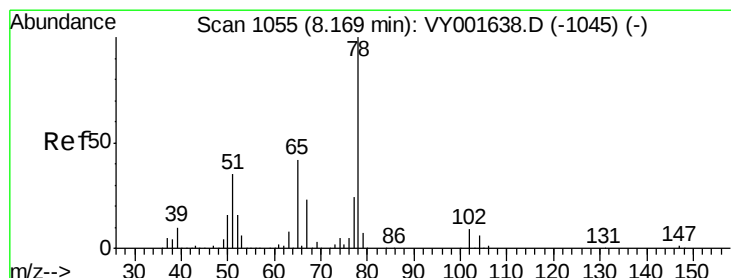
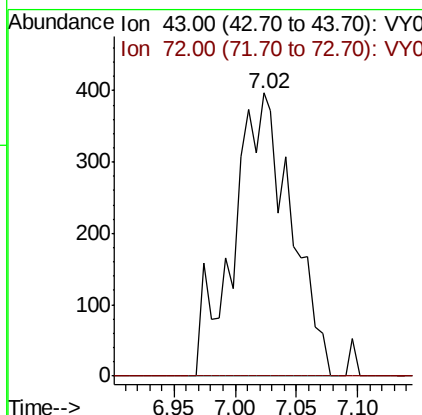
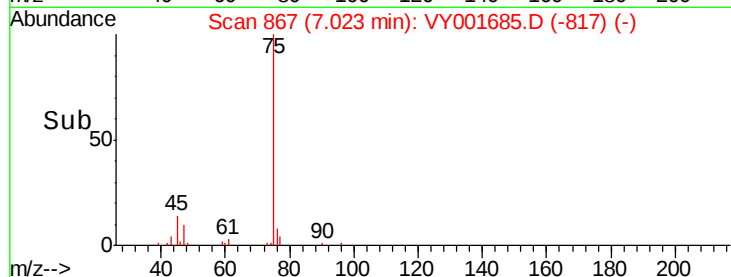
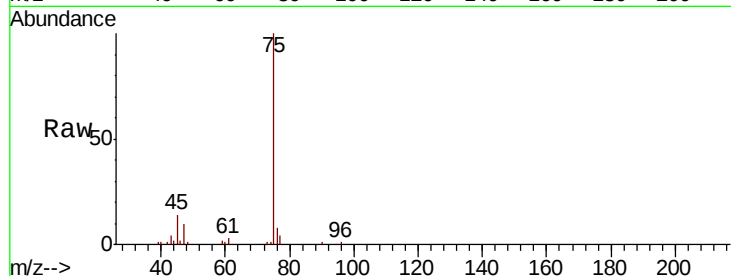




#25
2-Butanone
Concen: 1.967 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001685.D
Acq: 18 Feb 2020 20:31

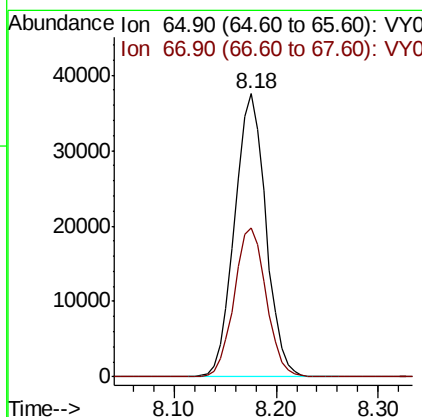
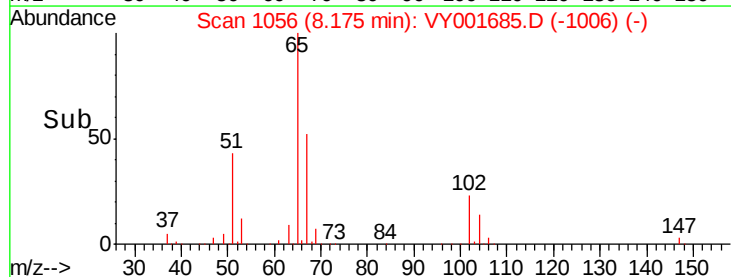
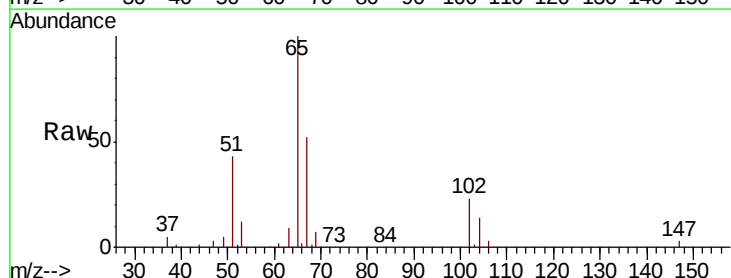
Instrument :
MSVOA_Y
ClientSampleId :
MARCY-GREEN-BH-04-B

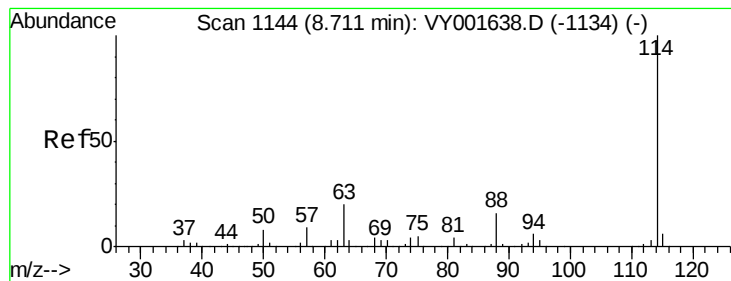
Tot Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#33
1,2-Dichloroethane-d4
Concen: 56.817 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY001685.D
Acq: 18 Feb 2020 20:31

Tgt Ion: 65 Resp: 79755
Ion Ratio Lower Upper
65 100
67 53.6 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-04-B

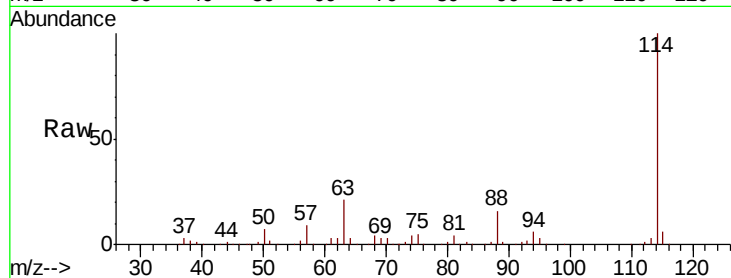
Tot Ion:114 Resp: 240728

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

88 15.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.72

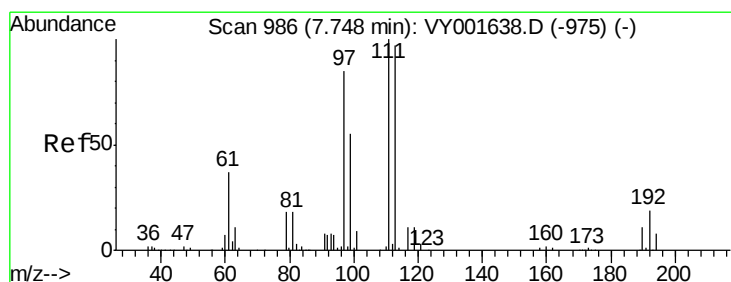
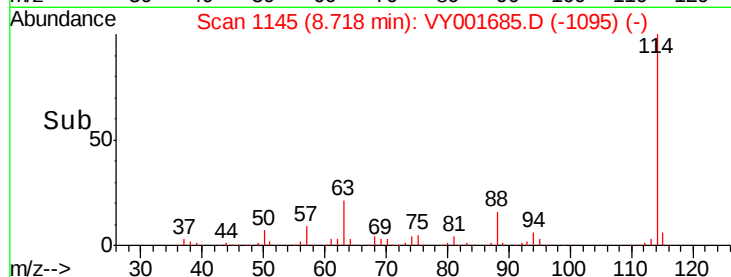
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#35

Dibromofluoromethane

Concen: 50.922 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

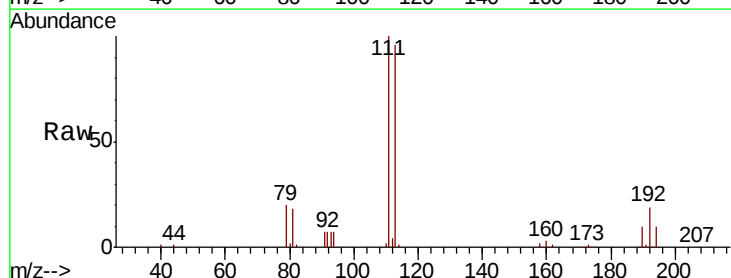
Tgt Ion:113 Resp: 70210

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

192 19.3 14.3 21.5



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

7.75

40000

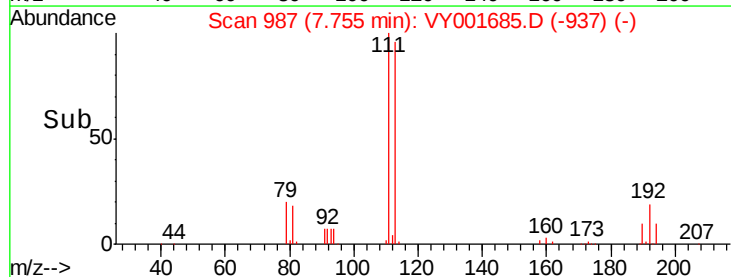
30000

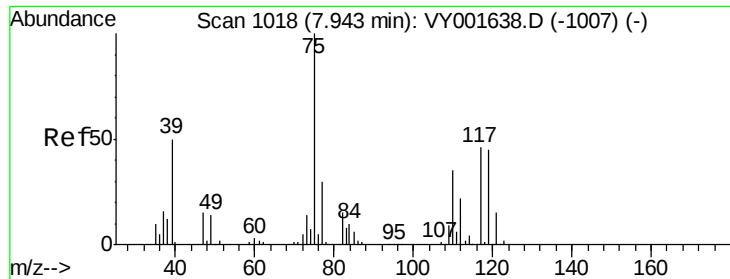
20000

10000

0

Time--> 7.70 7.80

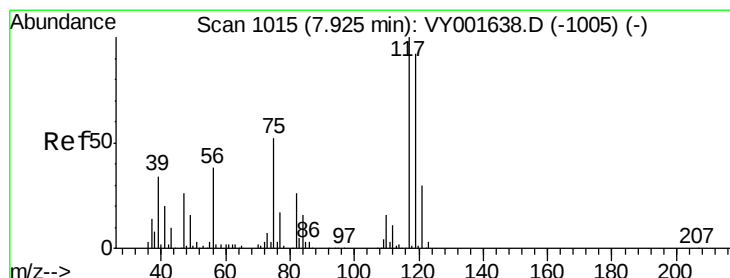
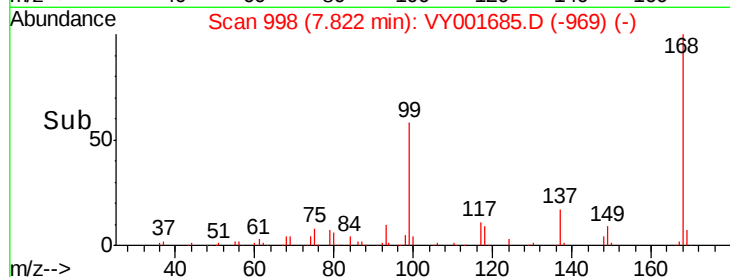
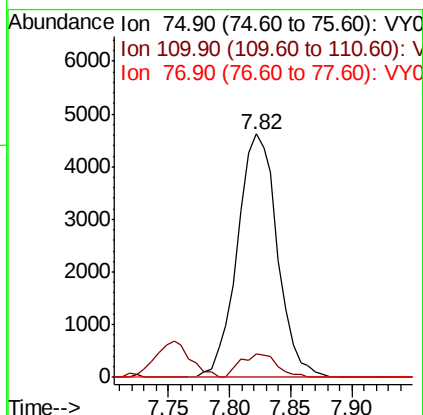
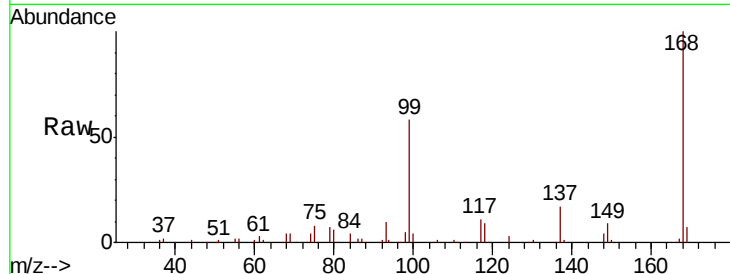




#36
 1,1-Dichloropropene
 Concen: 4.553 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001685.D
 Acq: 18 Feb 2020 20:31

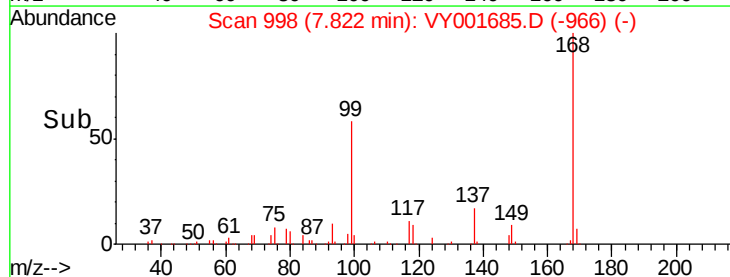
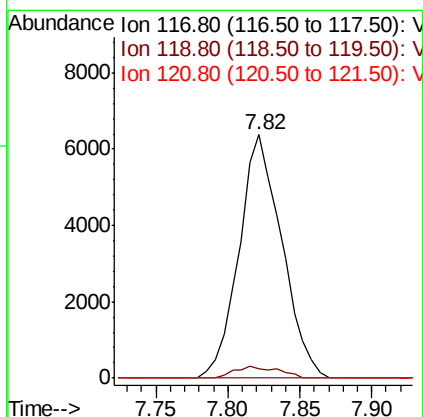
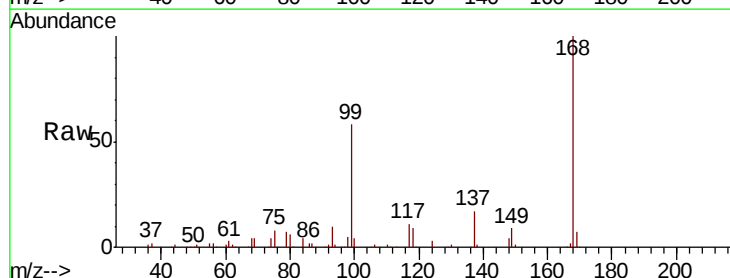
Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-04-B

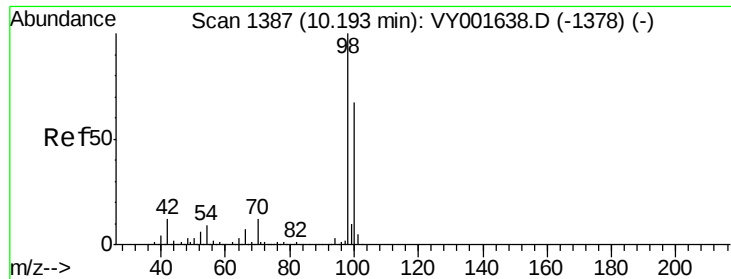
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.486 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001685.D
 Acq: 18 Feb 2020 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.488 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

Instrument :

MSVOA_Y

ClientSampleId :

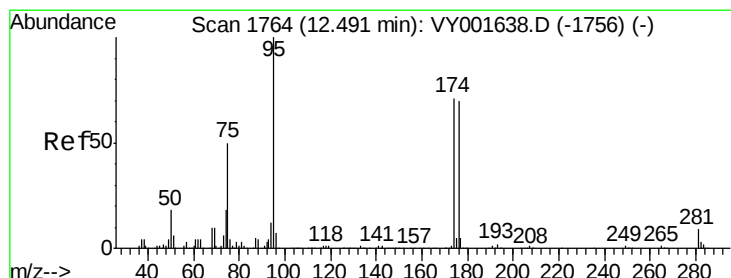
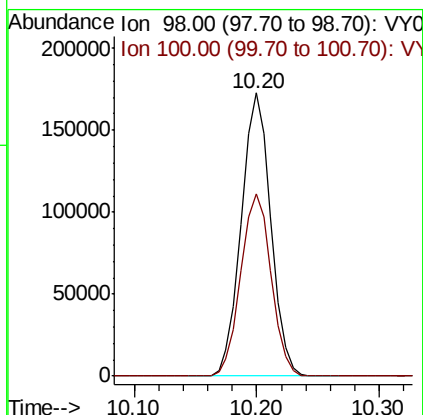
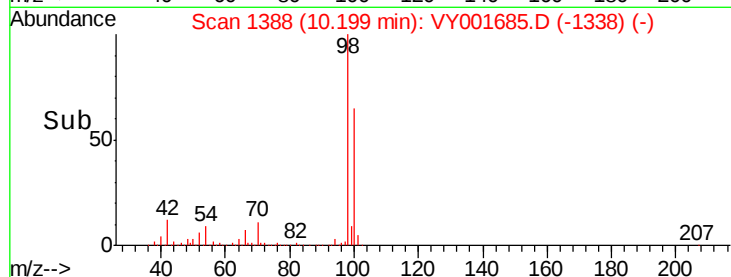
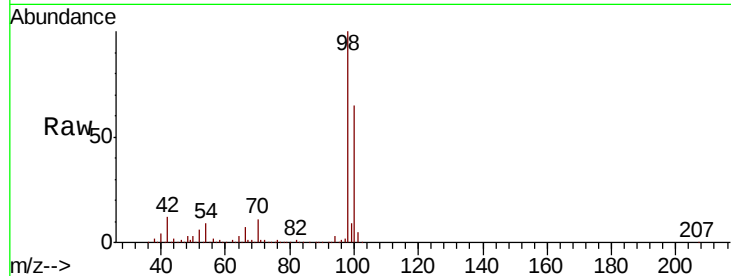
MARCY-GREEN-BH-04-B

Tot Ion: 98 Resp: 288925

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 48.001 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

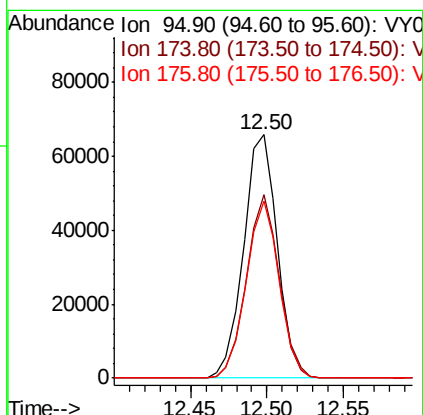
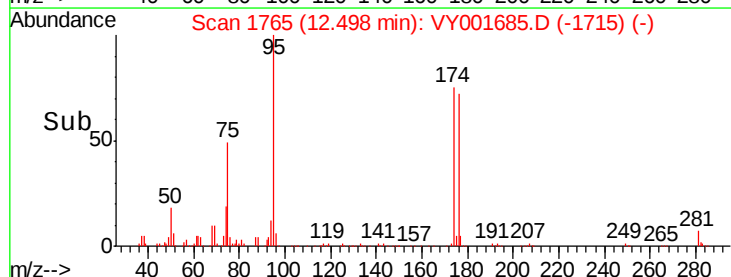
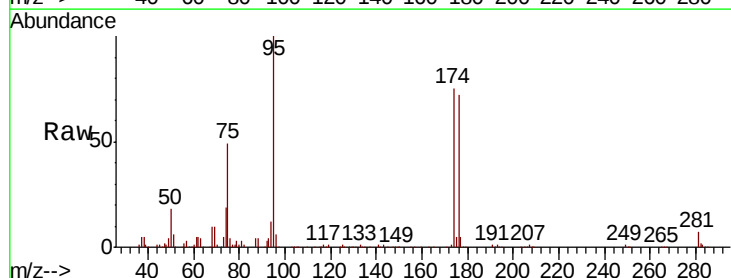
Tgt Ion: 95 Resp: 100729

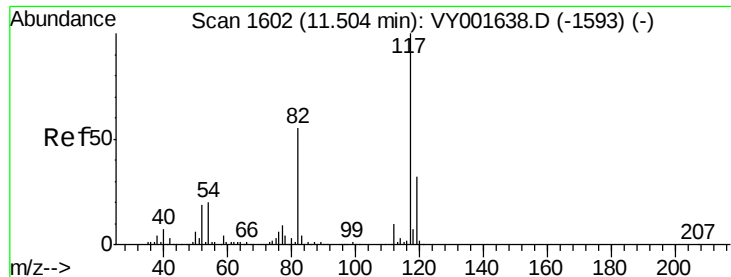
Ion Ratio Lower Upper

95 100

174 73.4 0.0 138.4

176 70.9 0.0 131.8

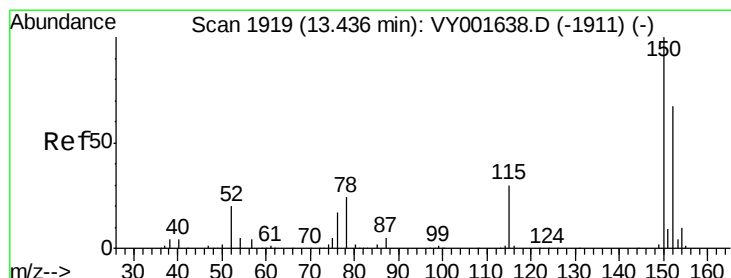
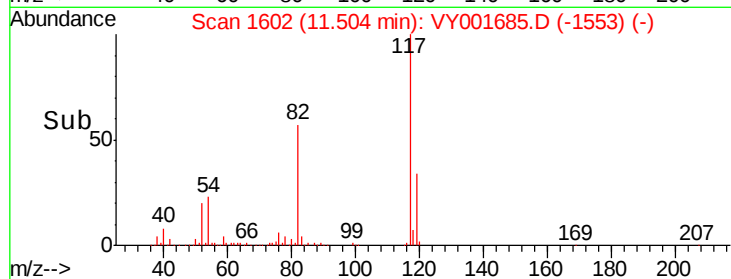
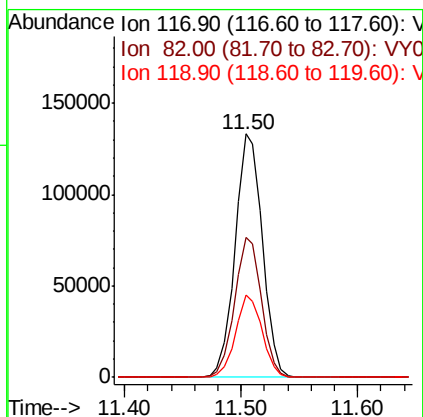
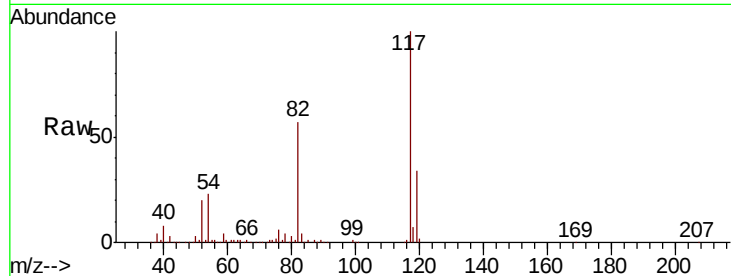




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001685.D
Acq: 18 Feb 2020 20:31

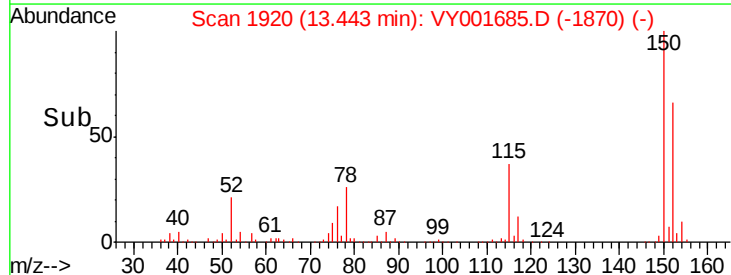
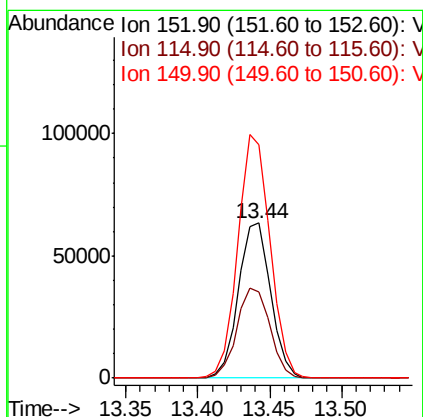
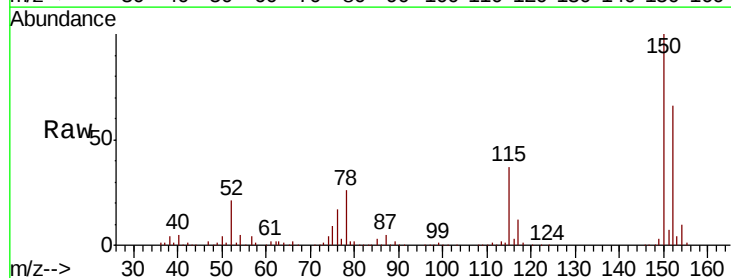
Instrument :
MSVOA_Y
ClientSampleId :
MARCY-GREEN-BH-04-B

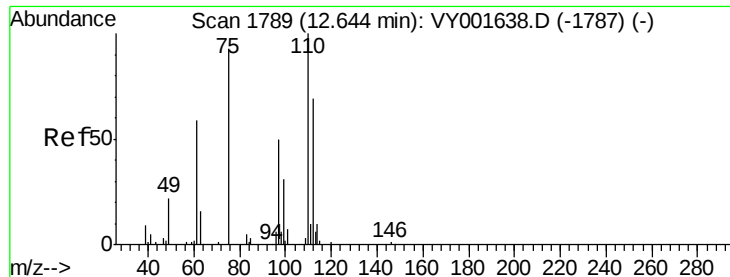
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.5	68.3
119	33.7	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001685.D
Acq: 18 Feb 2020 20:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	31.4	94.2
150	156.0	0.0	407.2





#76

1,2,3-Trichloropropane

Concen: 45.168 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

Instrument :

MSVOA_Y

ClientSampleId :

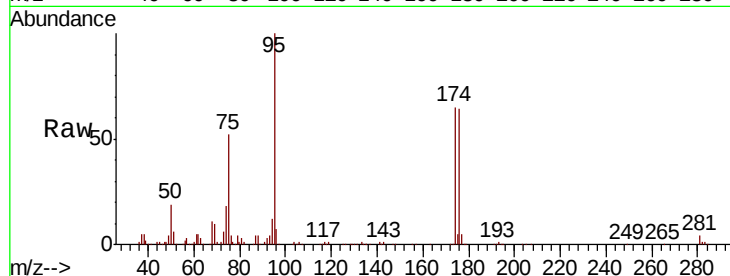
MARCY-GREEN-BH-04-B

Tot Ion: 75 Resp: 51226

Ion Ratio Lower Upper

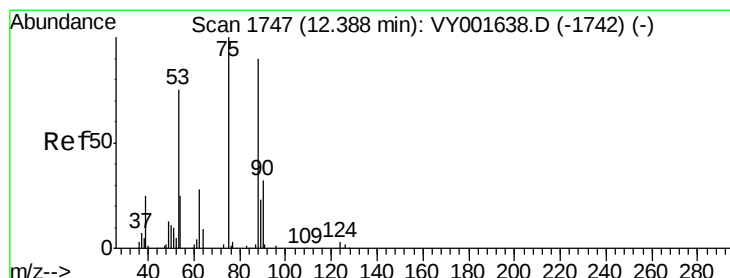
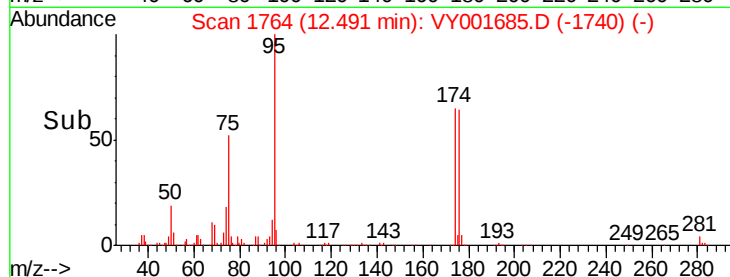
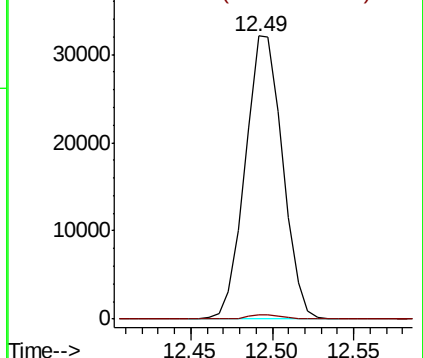
75 100

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: 85.691 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001685.D

Acq: 18 Feb 2020 20:31

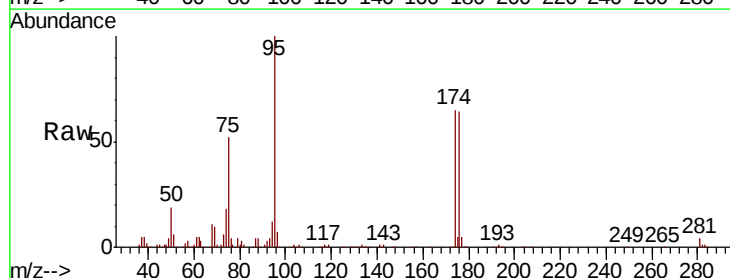
Tgt Ion: 75 Resp: 51226

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 36.3 54.5#



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

