

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001675.D
 Acq On : 18 Feb 2020 16:49
 Operator : SY/MD
 Sample : L1547-04
 Misc : 5.79G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-01-A

Quant Time: Feb 19 06:47:25 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	6251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	13130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	11849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	5224	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	4945	73.54	ug/l	0.00
Spiked Amount			Recovery	=	147.08%	
35) Dibromofluoromethane	7.75	113	3763	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	10.20	98	14886	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.50	95	5159	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	

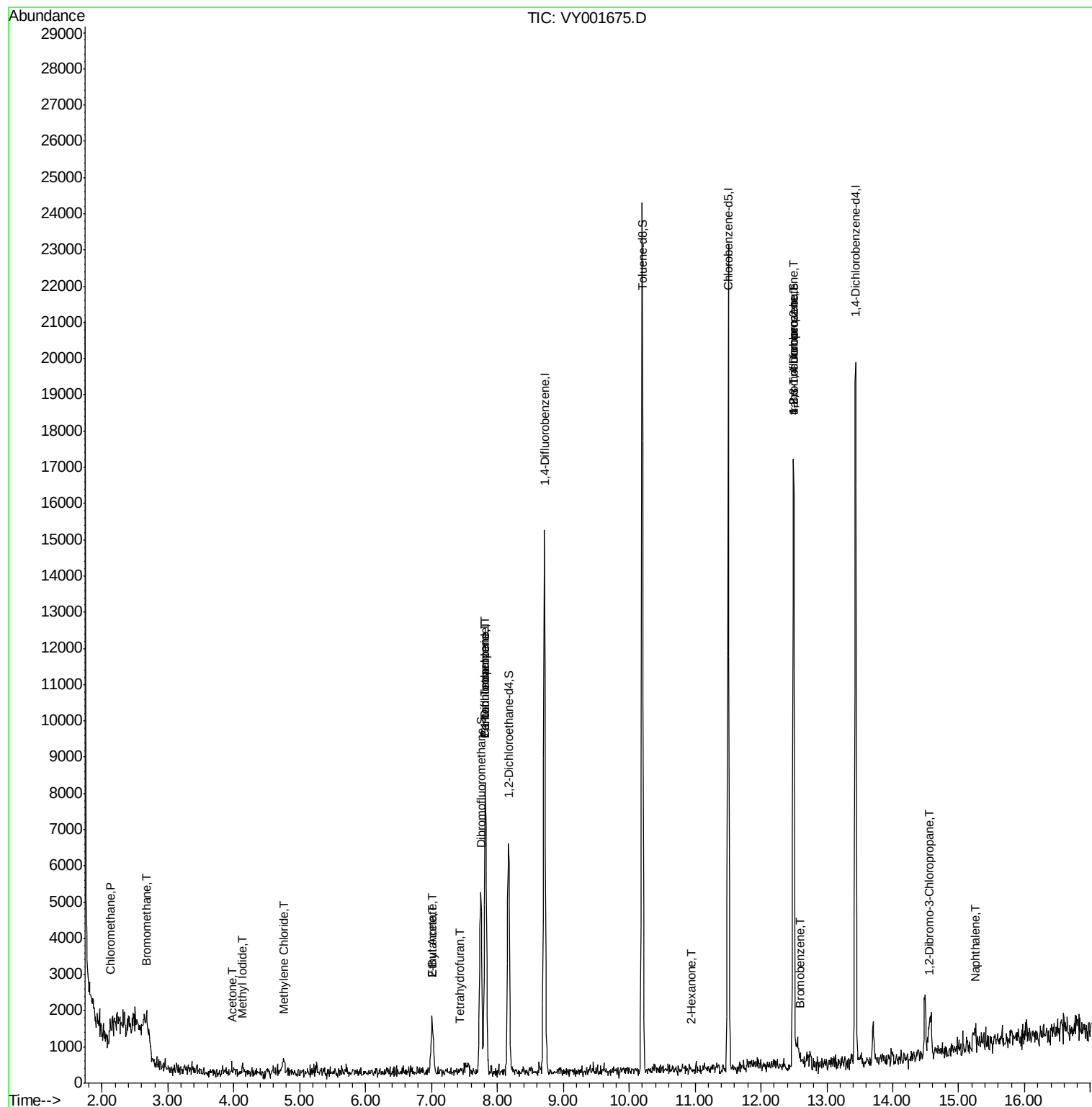
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.13	50	136	1.659	ug/l #	62
5) Bromomethane	2.68	94	216	4.181	ug/l #	76
10) Methyl Iodide	4.14	142	206	2.531	ug/l #	43
16) Acetone	3.98	43	105	4.513	ug/l #	41
20) Methylene Chloride	4.76	84	168	2.033	ug/l #	72
25) 2-Butanone	7.02	43	76	2.405	ug/l #	48
29) Tetrahydrofuran	7.44	42	22	1.152	ug/l #	34
36) 1,1-Dichloropropene	7.82	75	581	4.633	ug/l #	42
37) Ethyl Acetate	7.02	43	76	1.015	ug/l #	68
38) Carbon Tetrachloride	7.82	117	781	7.090	ug/l #	13
59) 2-Hexanone	10.94	43	71	1.297	ug/l #	23
76) 1,2,3-Trichloropropane	12.49	75	2746	45.823	ug/l #	100
77) Bromobenzene	12.59	156	458	5.309	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	2746	86.934	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.55	75	29	2.068	ug/l #	5
95) Naphthalene	15.25	128	369	1.564	ug/l #	70

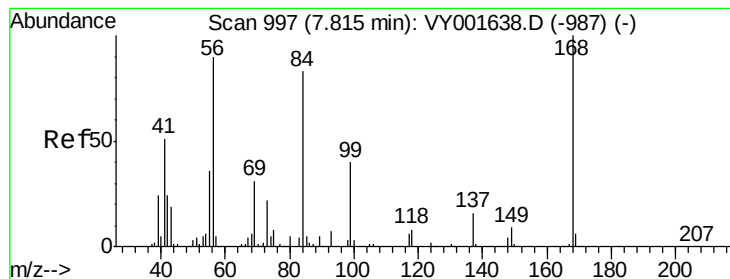
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

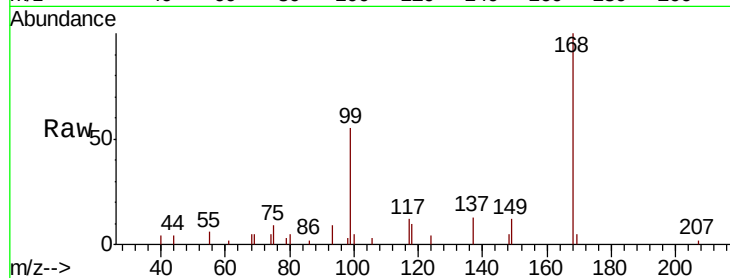
MARCY-GREEN-BH-01-A

Tot Ion:168 Resp: 6251

Ion Ratio Lower Upper

168 100

99 55.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

3000

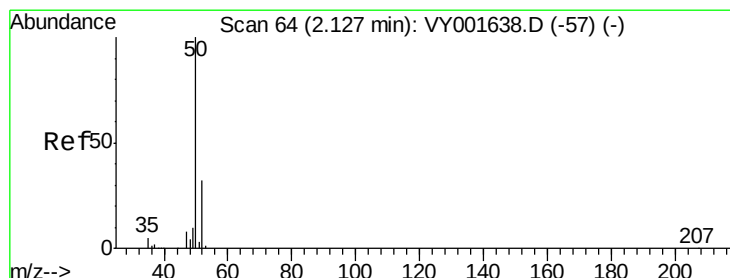
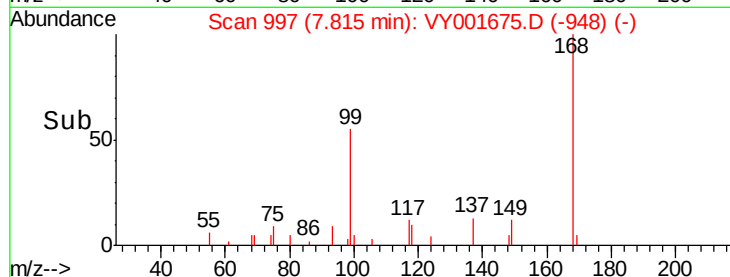
2000

1000

0

7.75 7.80 7.85 7.90

Time-->



#3

Chloromethane

Concen: 1.659 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001675.D

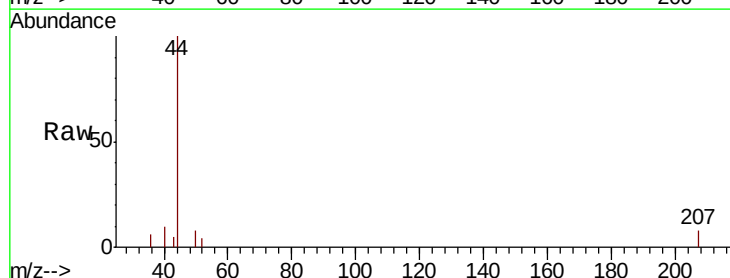
Acq: 18 Feb 2020 16:49

Tgt Ion: 50 Resp: 136

Ion Ratio Lower Upper

50 100

52 53.5 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VY001638.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VY001638.D (-57) (-)

2.13

100

80

60

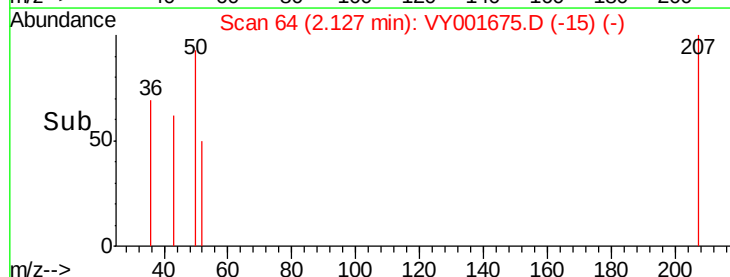
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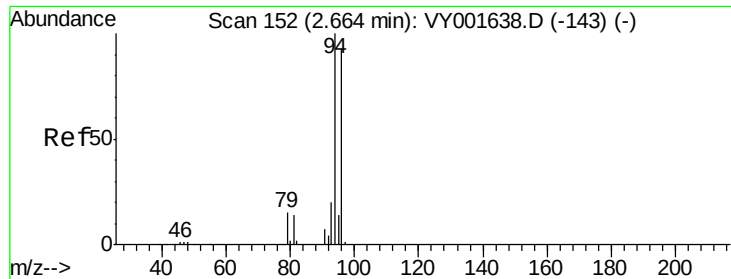
20

0

2.10 2.12 2.14 2.16

Time-->





#5

Bromomethane

Concen: 4.181 ug/l

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

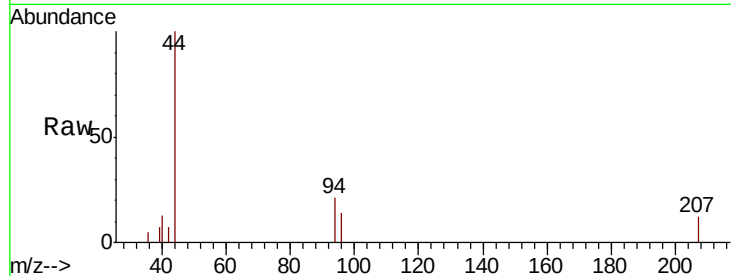
MARCY-GREEN-BH-01-A

Tot Ion: 94 Resp: 216

Ion Ratio Lower Upper

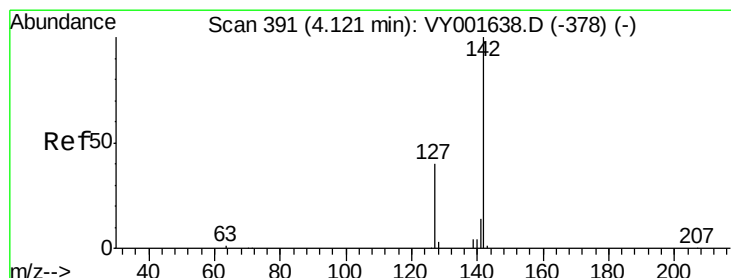
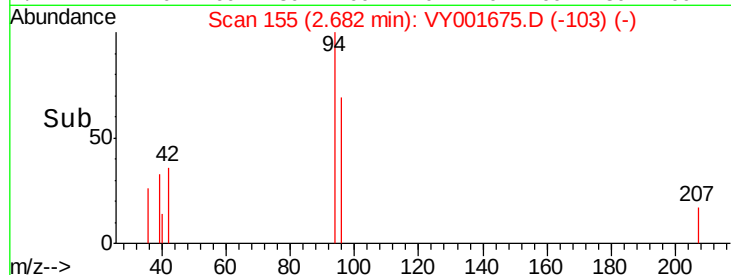
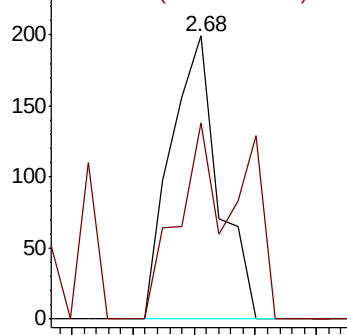
94 100

96 69.3 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#10

Methyl Iodide

Concen: 2.531 ug/l

RT: 4.14 min Scan# 394

Delta R.T. 0.02 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

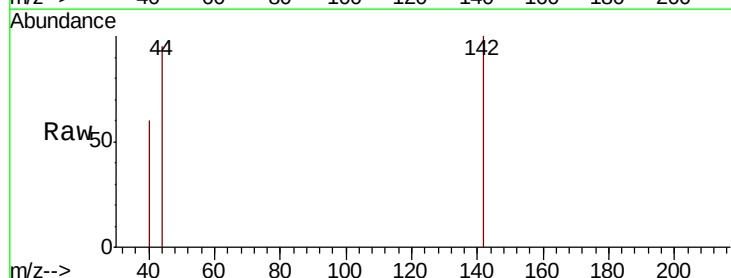
Tgt Ion: 142 Resp: 206

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

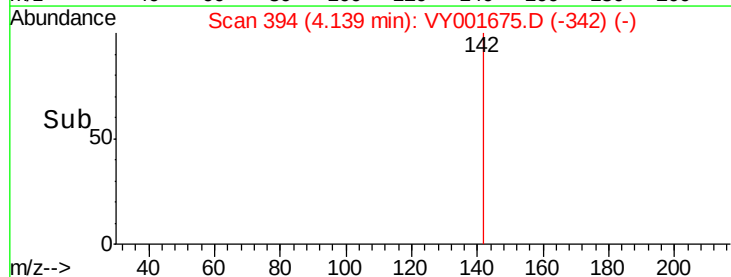
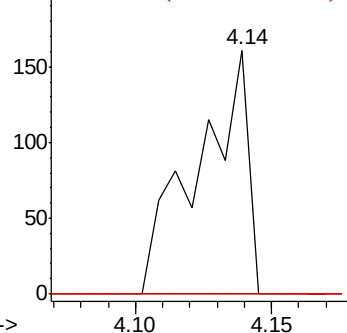
141 0.0 11.3 16.9#

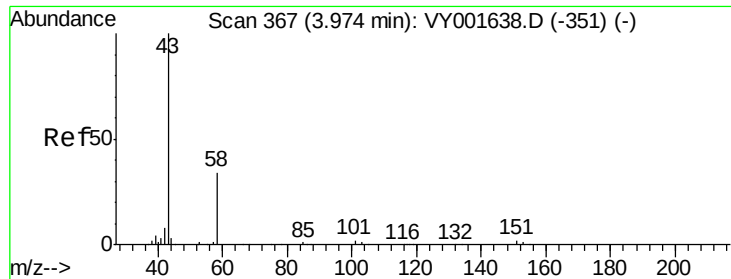


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 4.513 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

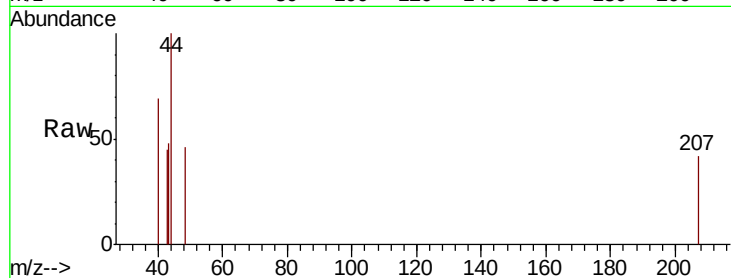
MARCY-GREEN-BH-01-A

Tot Ion: 43 Resp: 105

Ion Ratio Lower Upper

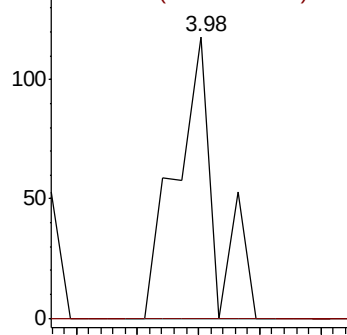
43 100

58 0.0 27.3 40.9#

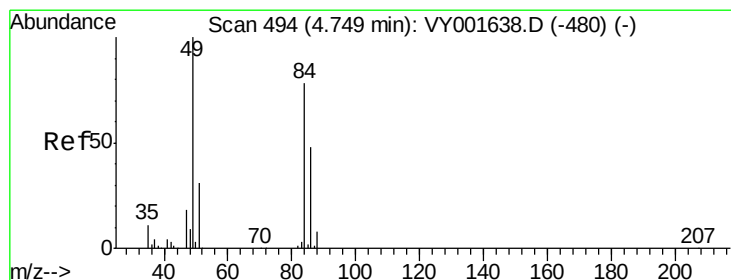
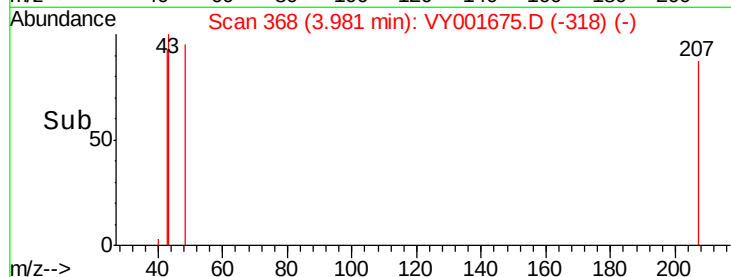


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: 2.033 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Tgt Ion: 84 Resp: 168

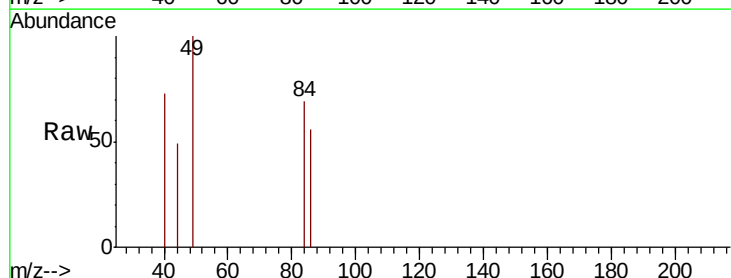
Ion Ratio Lower Upper

84 100

49 145.8 99.2 148.8

51 0.0 31.5 47.3#

86 82.2 51.0 76.6#

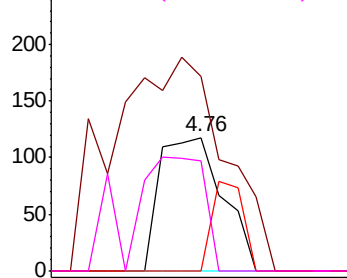


Abundance Ion 83.90 (83.60 to 84.60): VY0

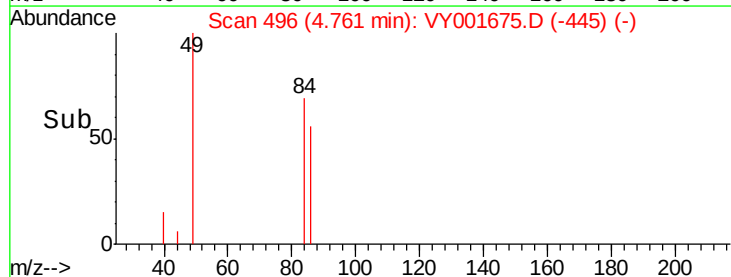
Ion 48.90 (48.60 to 49.60): VY0

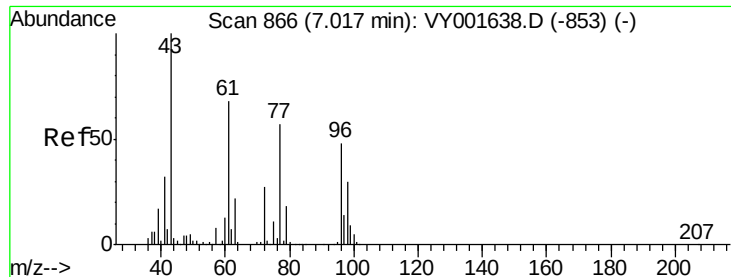
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->

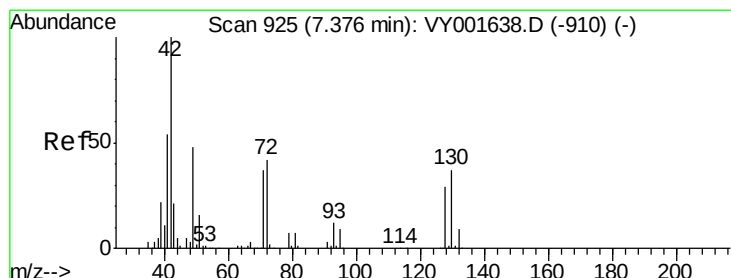
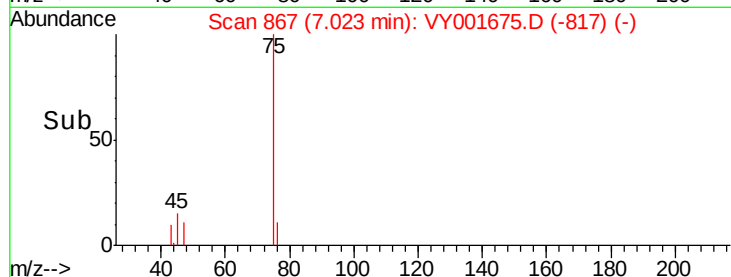
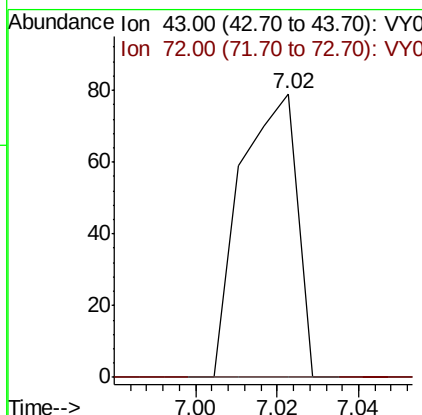
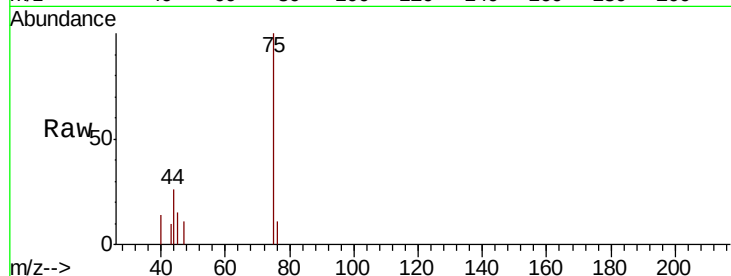




#25
2-Butanone
Concen: 2.405 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001675.D
Acq: 18 Feb 2020 16:49

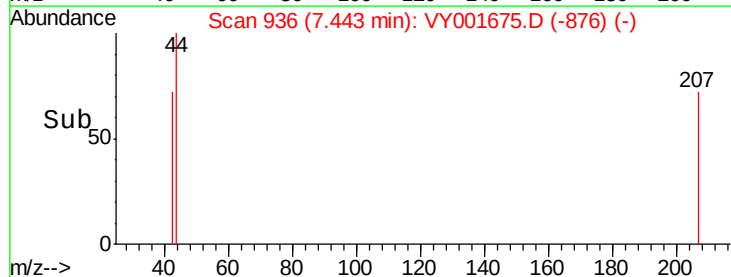
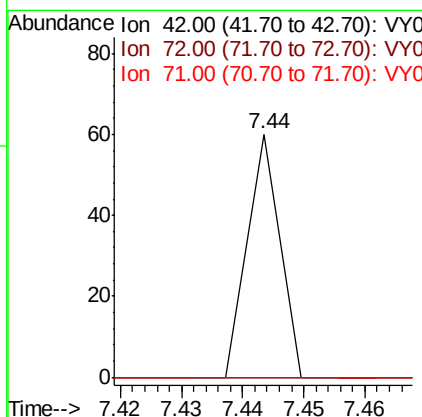
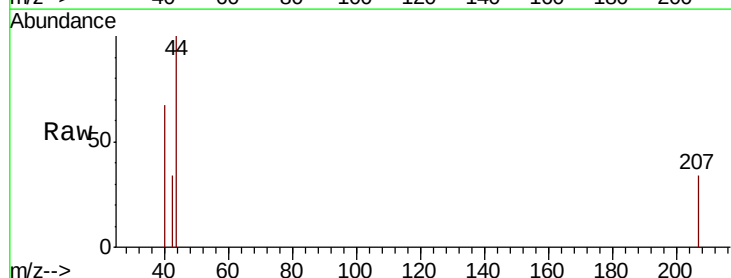
Instrument :
MSVOA_Y
ClientSampleId :
MARCY-GREEN-BH-01-A

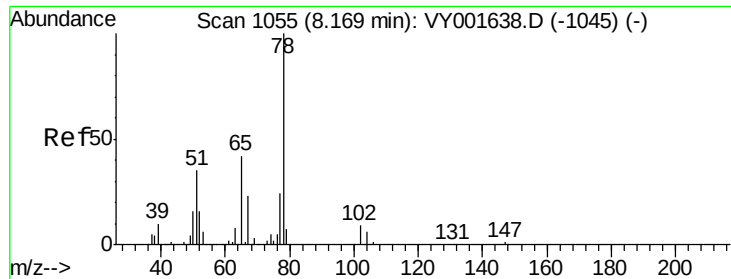
Tot Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 1.152 ug/l
RT: 7.44 min Scan# 936
Delta R.T. 0.07 min
Lab File: VY001675.D
Acq: 18 Feb 2020 16:49

Tgt Ion: 42 Resp: 22
Ion Ratio Lower Upper
42 100
72 0.0 34.4 51.6#
71 0.0 31.8 47.8#

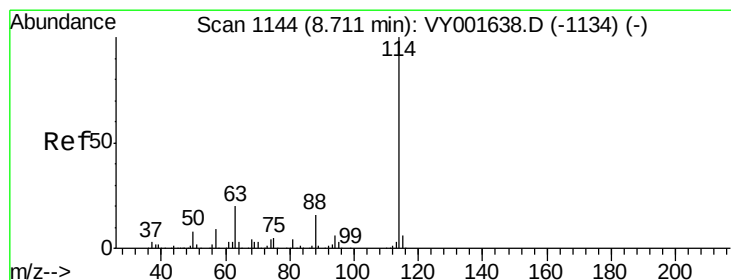
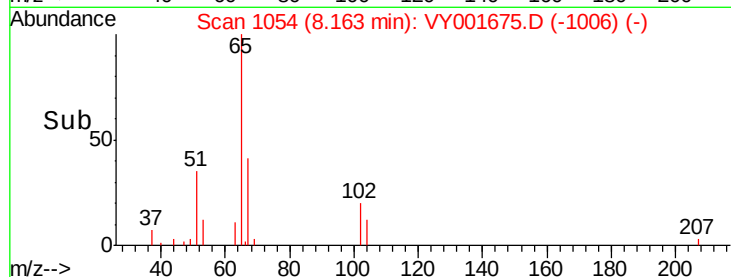
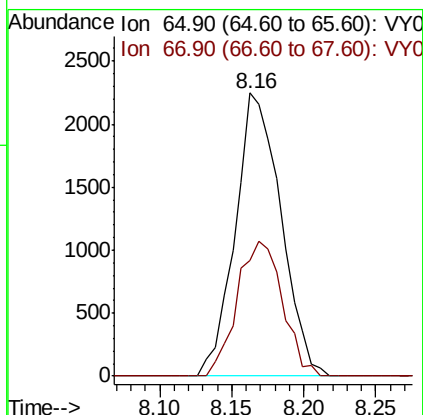
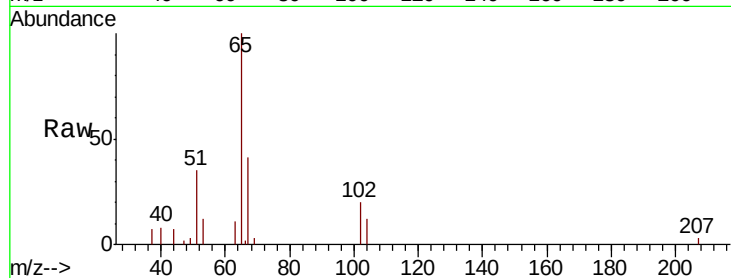




#33
 1,2-Dichloroethane-d4
 Concen: 73.544 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001675.D
 Acq: 18 Feb 2020 16:49

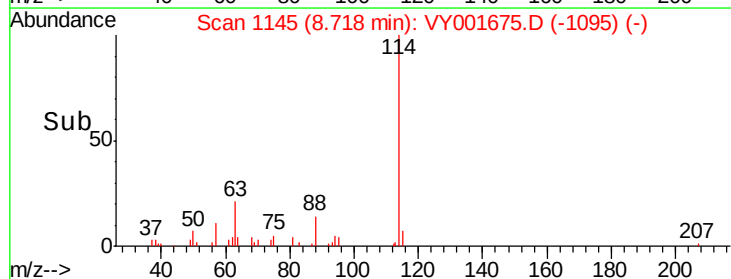
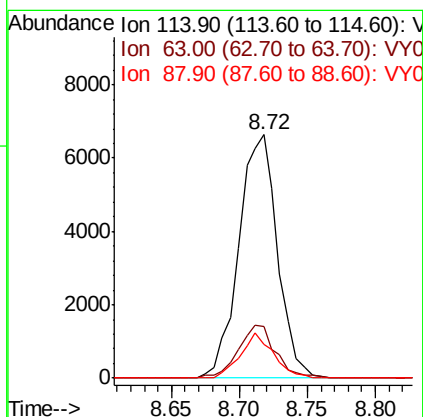
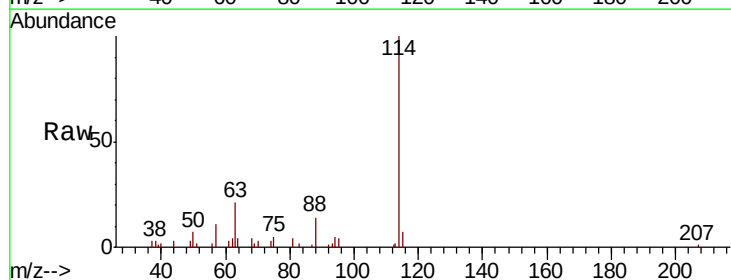
Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-01-A

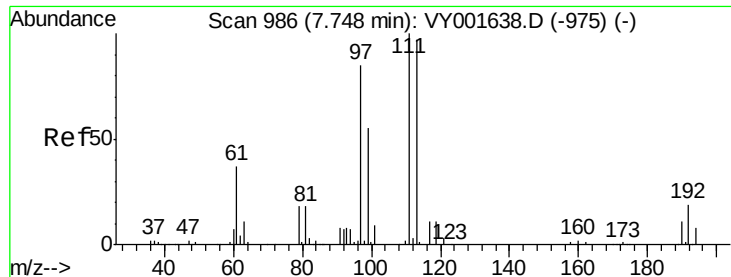
Tot Ion: 65 Resp: 4945
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001675.D
 Acq: 18 Feb 2020 16:49

Tgt Ion: 114 Resp: 13130
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.4
 88 14.1 0.0 32.8

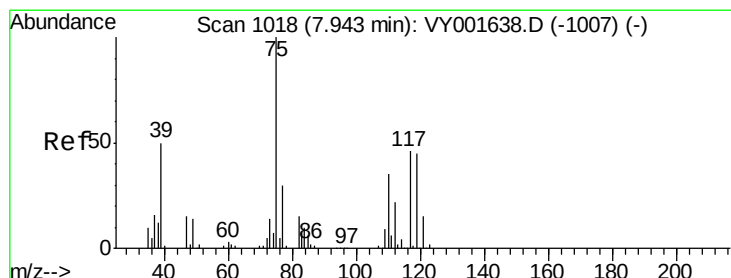
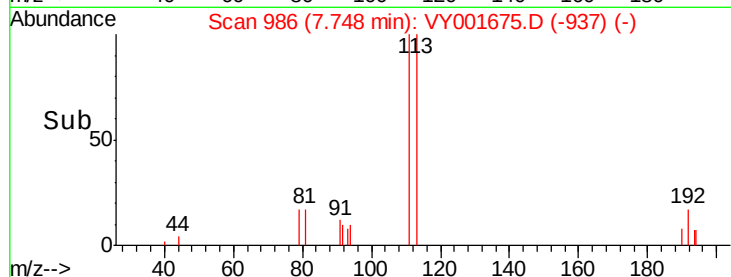
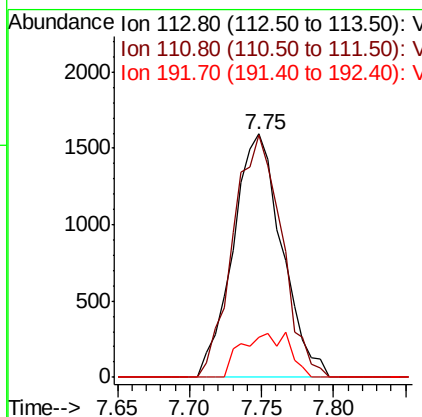
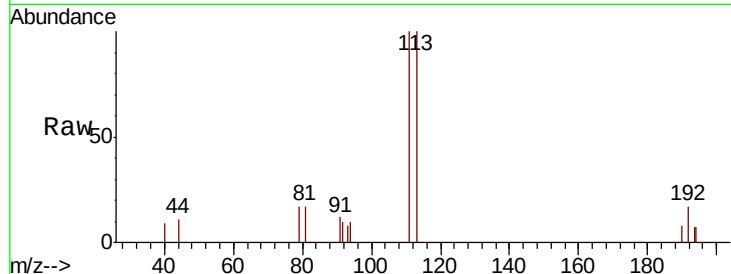




#35
 Dibromofluoromethane
 Concen: 50.038 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001675.D
 Acq: 18 Feb 2020 16:49

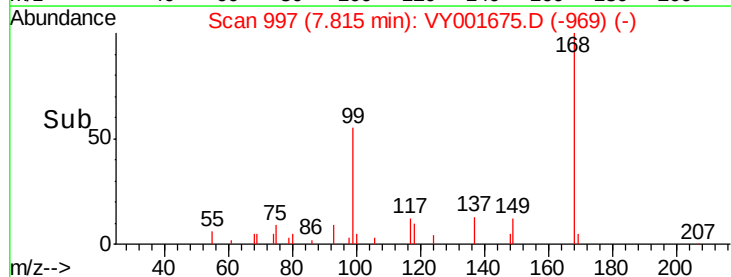
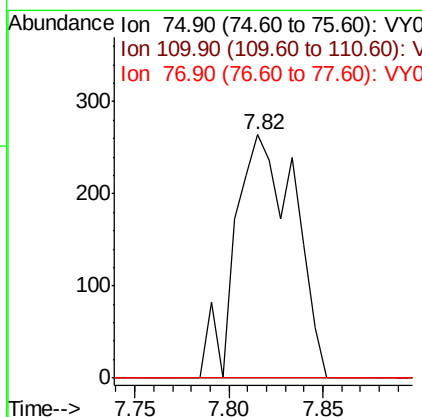
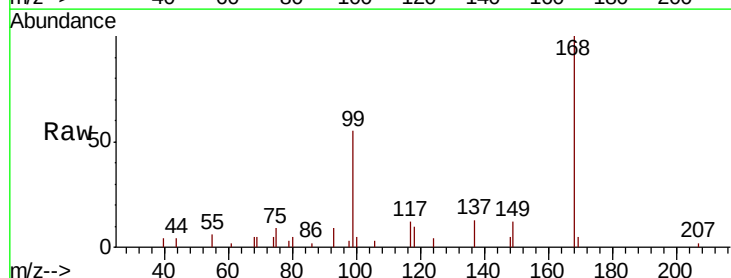
Instrument :
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 MARCY-GREEN-BH-01-A

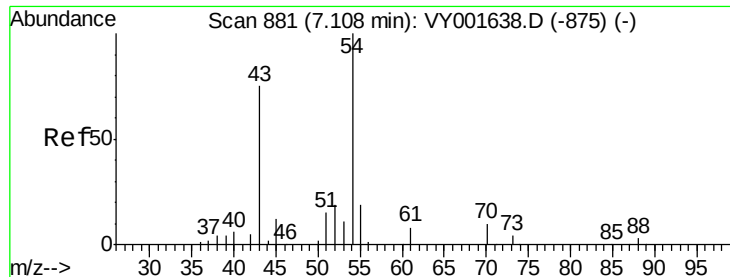
Tot Ion:113 Resp: 3763
 Ion Ratio Lower Upper
 113 100
 111 98.9 81.9 122.9
 192 18.0 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.633 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001675.D
 Acq: 18 Feb 2020 16:49

Tgt Ion: 75 Resp: 581
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.2 51.6#
 77 0.0 24.8 37.2#

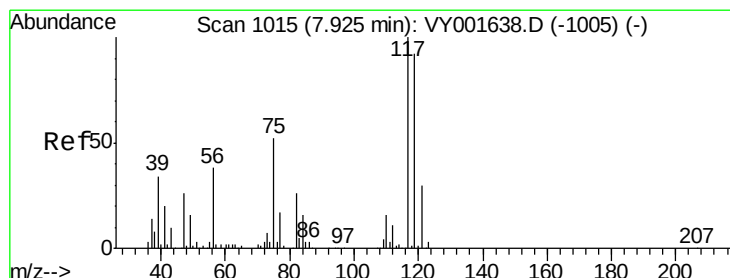
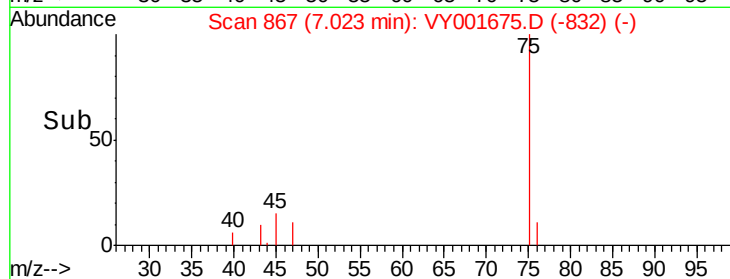
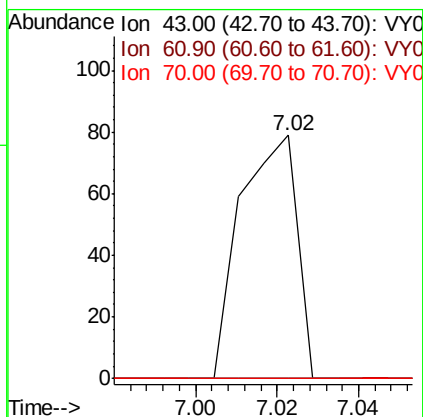
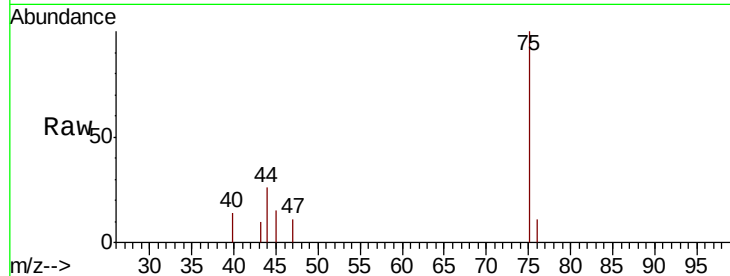




#37
Ethyl Acetate
Concen: 1.015 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.09 min
Lab File: VY001675.D
Acq: 18 Feb 2020 16:49

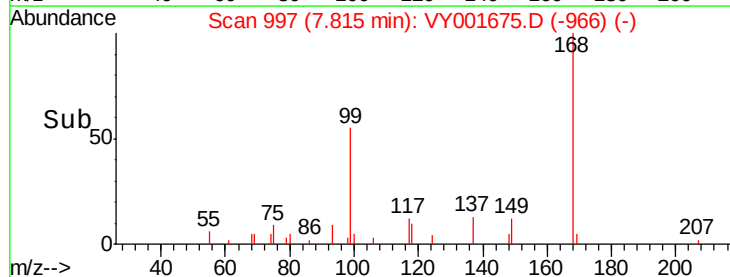
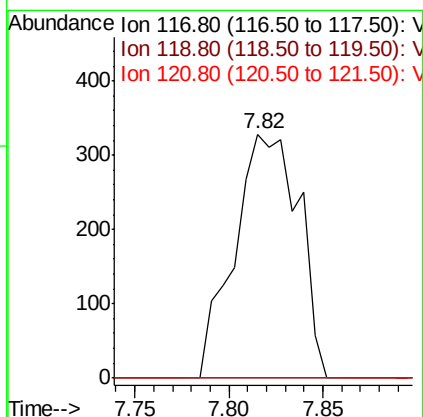
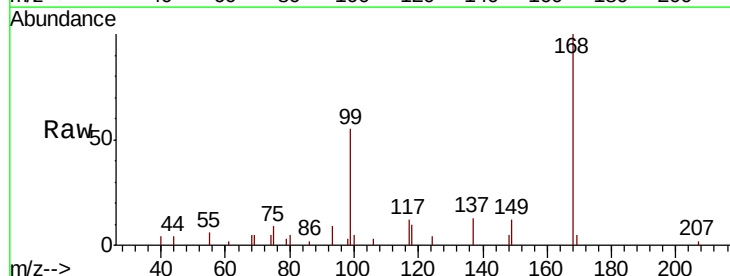
Instrument :
MSVOA_Y
ClientSampleId :
MARCY-GREEN-BH-01-A

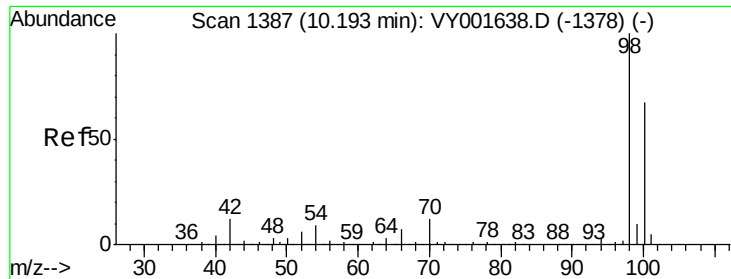
Tot Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 7.090 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001675.D
Acq: 18 Feb 2020 16:49

Tgt Ion: 117 Resp: 781
Ion Ratio Lower Upper
117 100
119 0.0 74.8 112.2#
121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 50.526 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

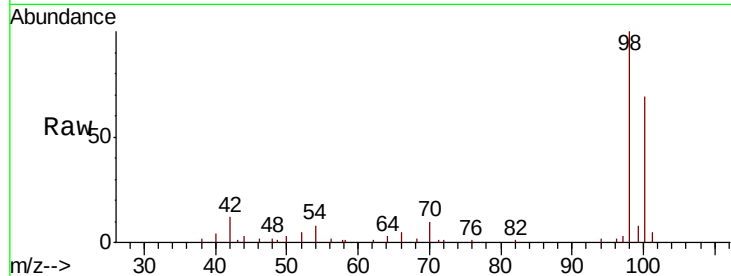
MARCY-GREEN-BH-01-A

Tot Ion: 98 Resp: 14886

Ion Ratio Lower Upper

98 100

100 70.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.20

10000

8000

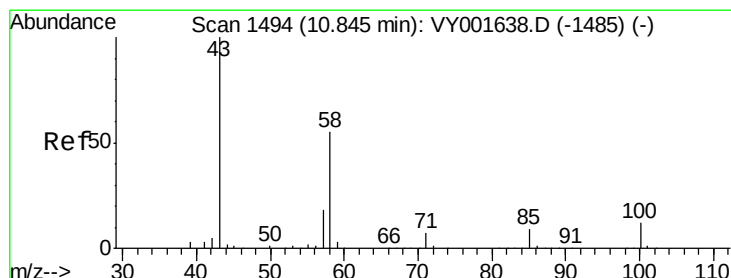
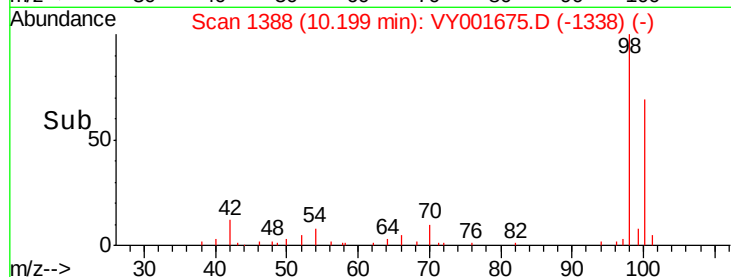
6000

4000

2000

0

Time--> 10.10 10.15 10.20 10.25



#59

2-Hexanone

Concen: 1.297 ug/l

RT: 10.94 min Scan# 1510

Delta R.T. 0.10 min

Lab File: VY001675.D

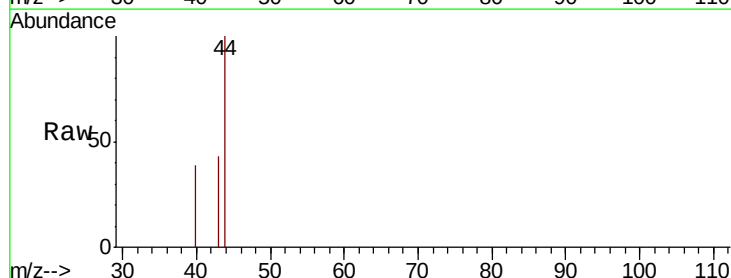
Acq: 18 Feb 2020 16:49

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

58 0.0 28.4 85.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.94

80

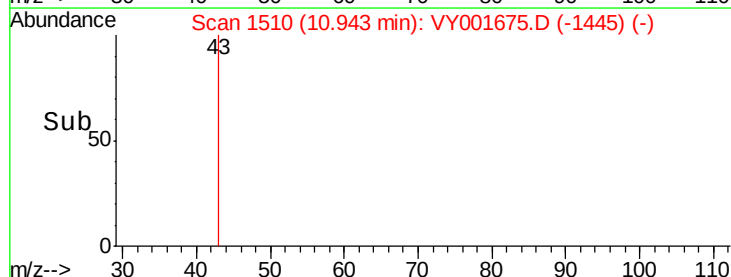
60

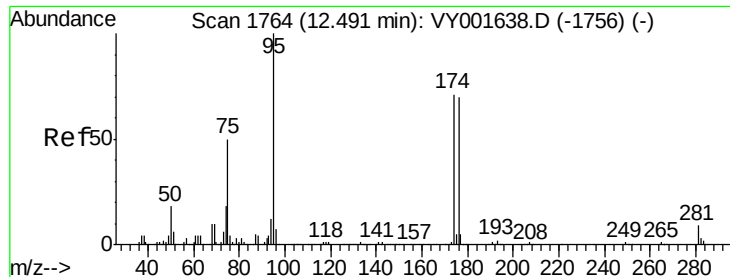
40

20

0

Time--> 10.92 10.94 10.96





#62

4-Bromofluorobenzene

Concen: 45.073 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-01-A

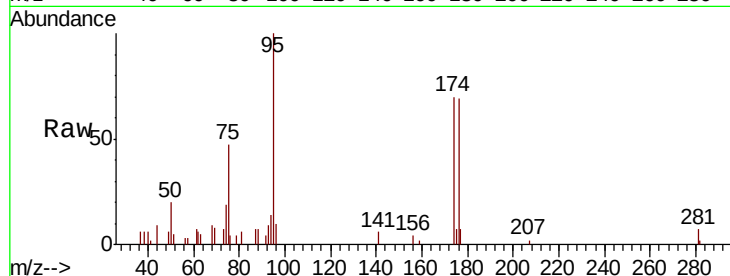
Tot Ion: 95 Resp: 5159

Ion Ratio Lower Upper

95 100

174 81.0 0.0 138.4

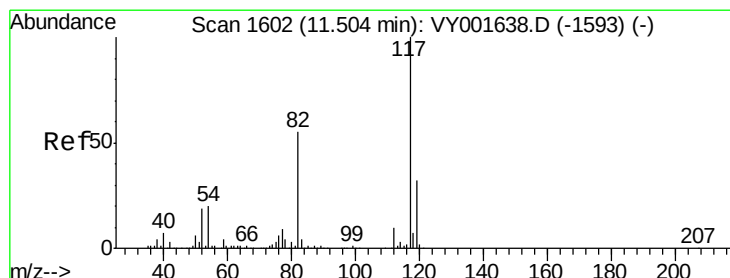
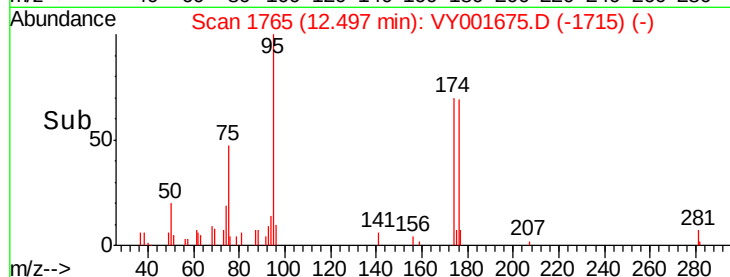
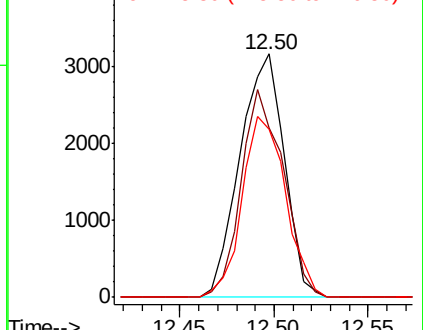
176 73.1 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001638.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

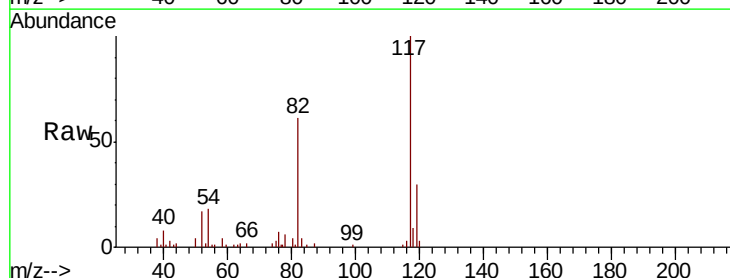
Tgt Ion: 117 Resp: 11849

Ion Ratio Lower Upper

117 100

82 60.7 45.5 68.3

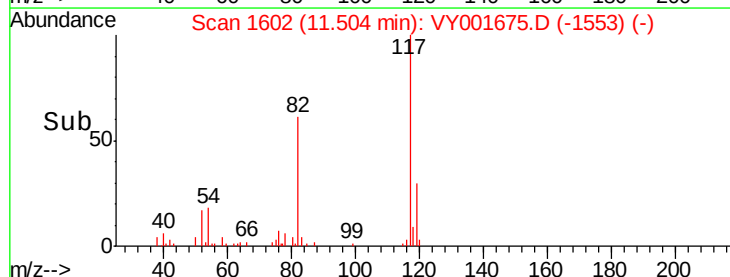
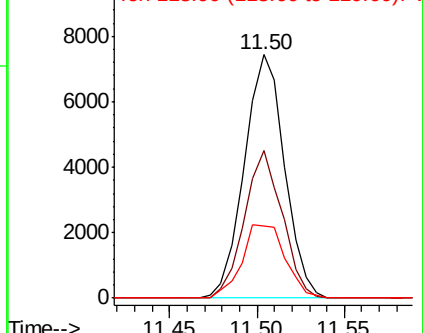
119 29.6 25.8 38.6

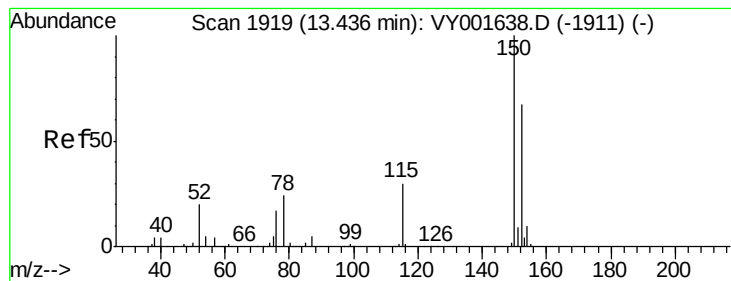


Abundance Ion 116.90 (116.60 to 117.60): VY001638.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001638.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001638.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-01-A

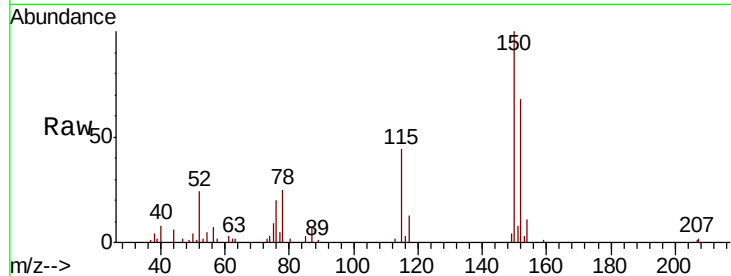
Tot Ion:152 Resp: 5224

Ion Ratio Lower Upper

152 100

115 60.8 31.4 94.2

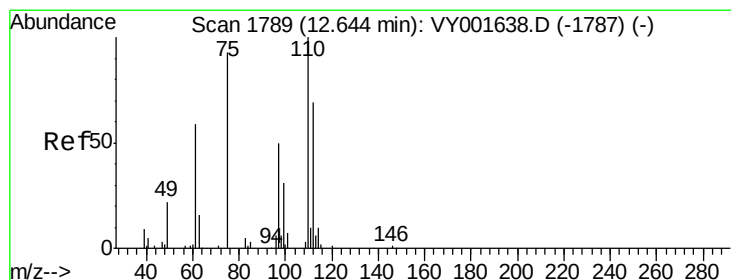
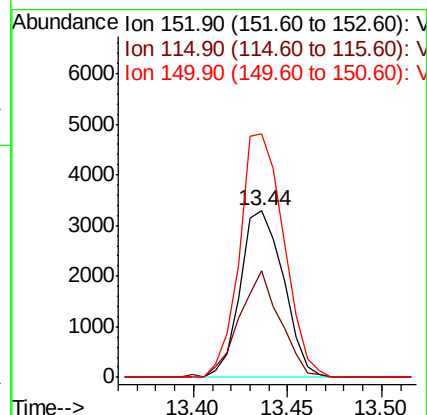
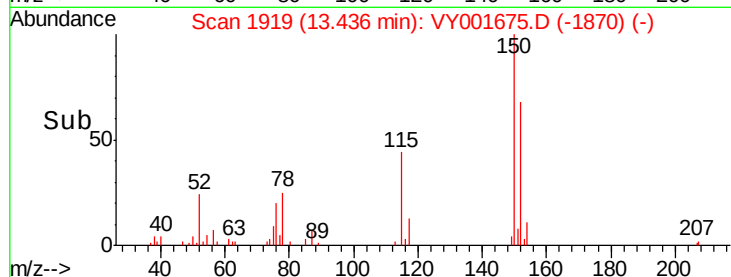
150 149.8 0.0 407.2



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



#76

1,2,3-Trichloropropane

Concen: 45.823 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001675.D

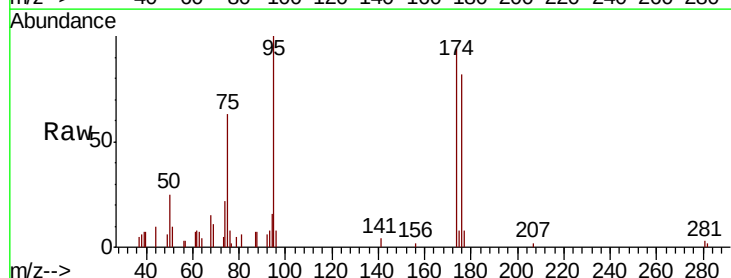
Acq: 18 Feb 2020 16:49

Tgt Ion: 75 Resp: 2746

Ion Ratio Lower Upper

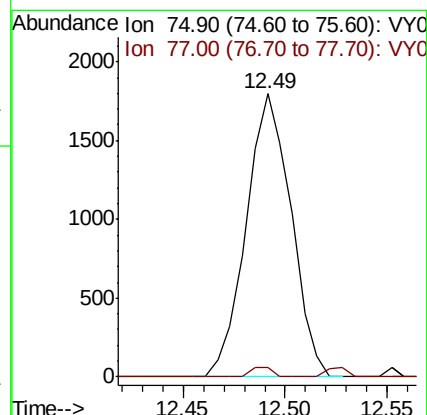
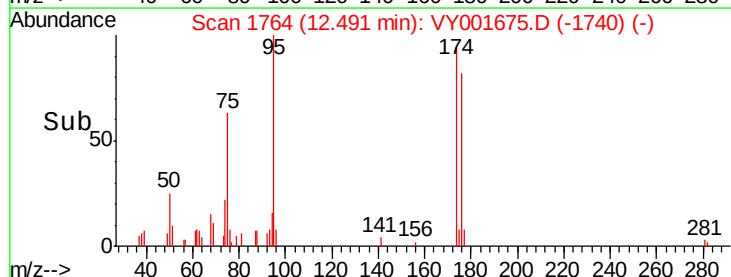
75 100

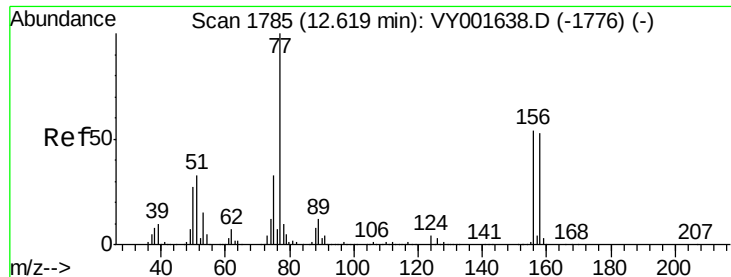
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 5.309 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.03 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-01-A

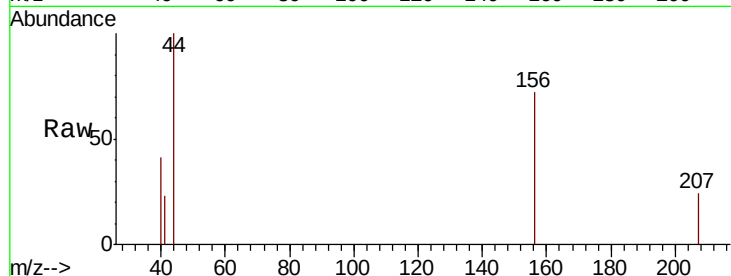
Tot Ion:156 Resp: 458

Ion Ratio Lower Upper

156 100

77 0.0 110.1 330.1#

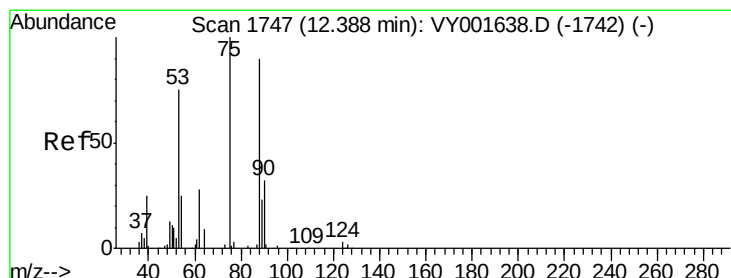
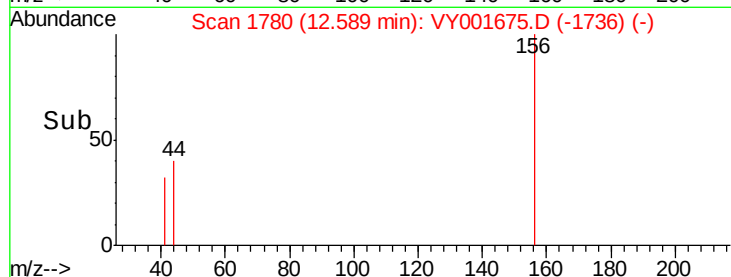
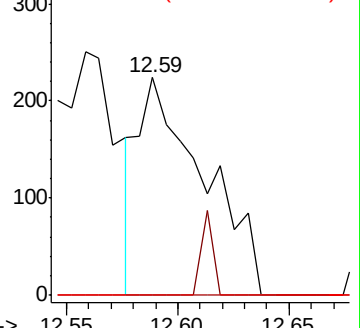
158 0.0 47.9 143.7#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 86.934 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

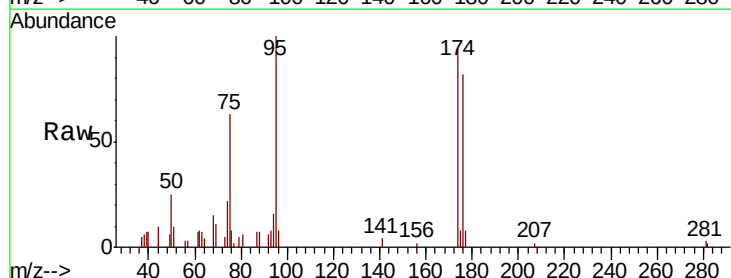
Tgt Ion: 75 Resp: 2746

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

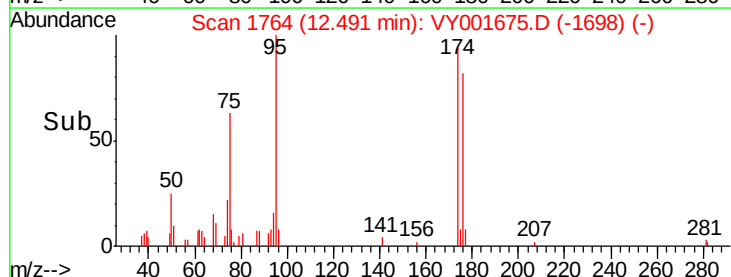
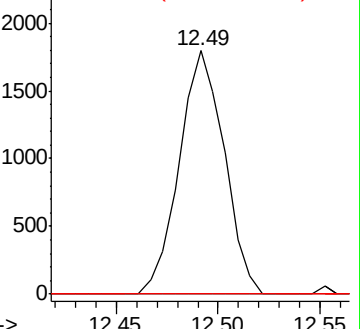
89 0.0 36.3 54.5#

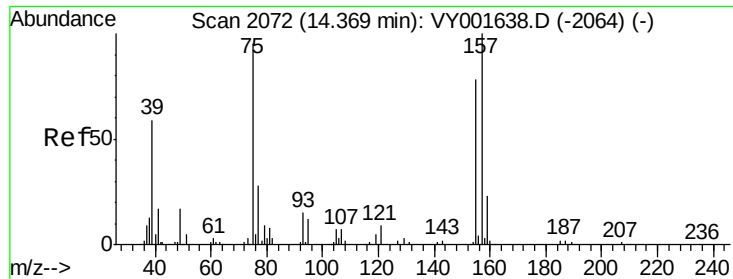


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.068 ug/l

RT: 14.55 min Scan# 2102

Delta R.T. 0.18 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-01-A

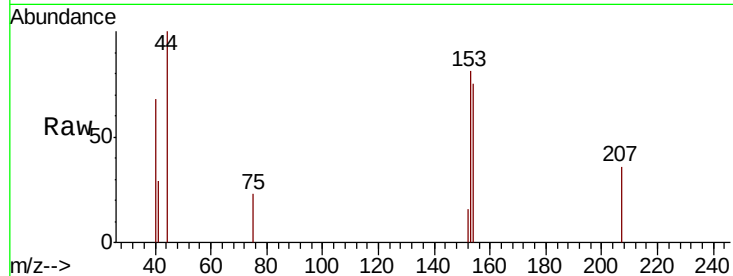
Tot Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 158.6 40.8 122.4#

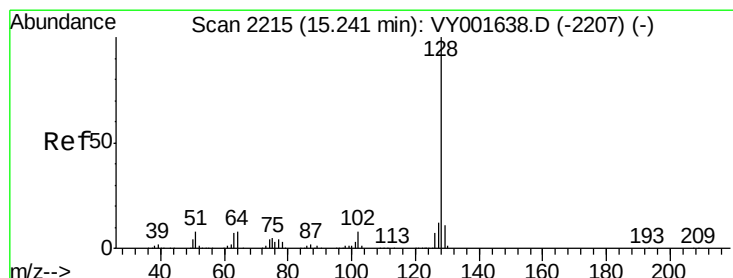
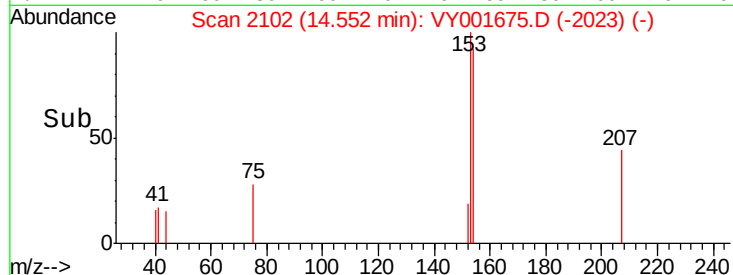
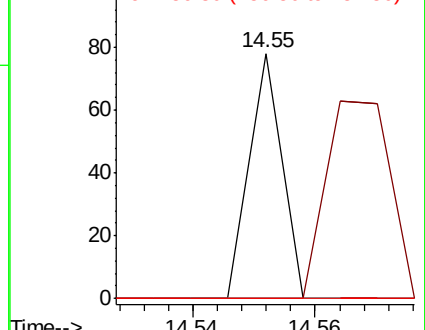
157 0.0 52.1 156.4#



Abundance Ion 74.90 (74.60 to 75.60): VY001675.D (-2023) (-)

Ion 154.80 (154.50 to 155.50): VY001675.D (-2023) (-)

Ion 156.80 (156.50 to 157.50): VY001675.D (-2023) (-)



#95

Naphthalene

Concen: 1.564 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001675.D

Acq: 18 Feb 2020 16:49

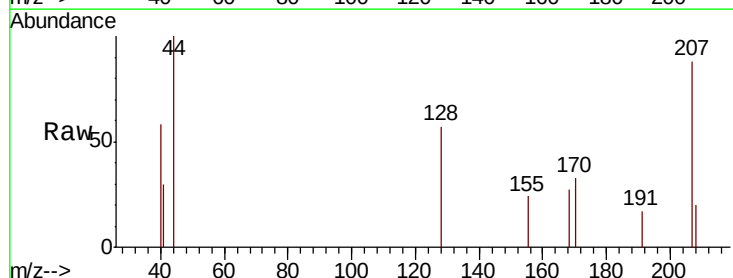
Tgt Ion: 128 Resp: 369

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VY001675.D (-2166) (-)

Ion 127.00 (126.70 to 127.70): VY001675.D (-2166) (-)

Ion 129.00 (128.70 to 129.70): VY001675.D (-2166) (-)

