

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001682.D
 Acq On : 18 Feb 2020 19:25
 Operator : SY/MD
 Sample : L1547-17
 Misc : 4.90G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-03-B

Quant Time: Feb 19 06:48:36 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	7.83	168	7970	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	13465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	11904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	4560	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	4723	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
35) Dibromofluoromethane	7.75	113	3589	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
50) Toluene-d8	10.20	98	15568	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.50	95	5146	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	

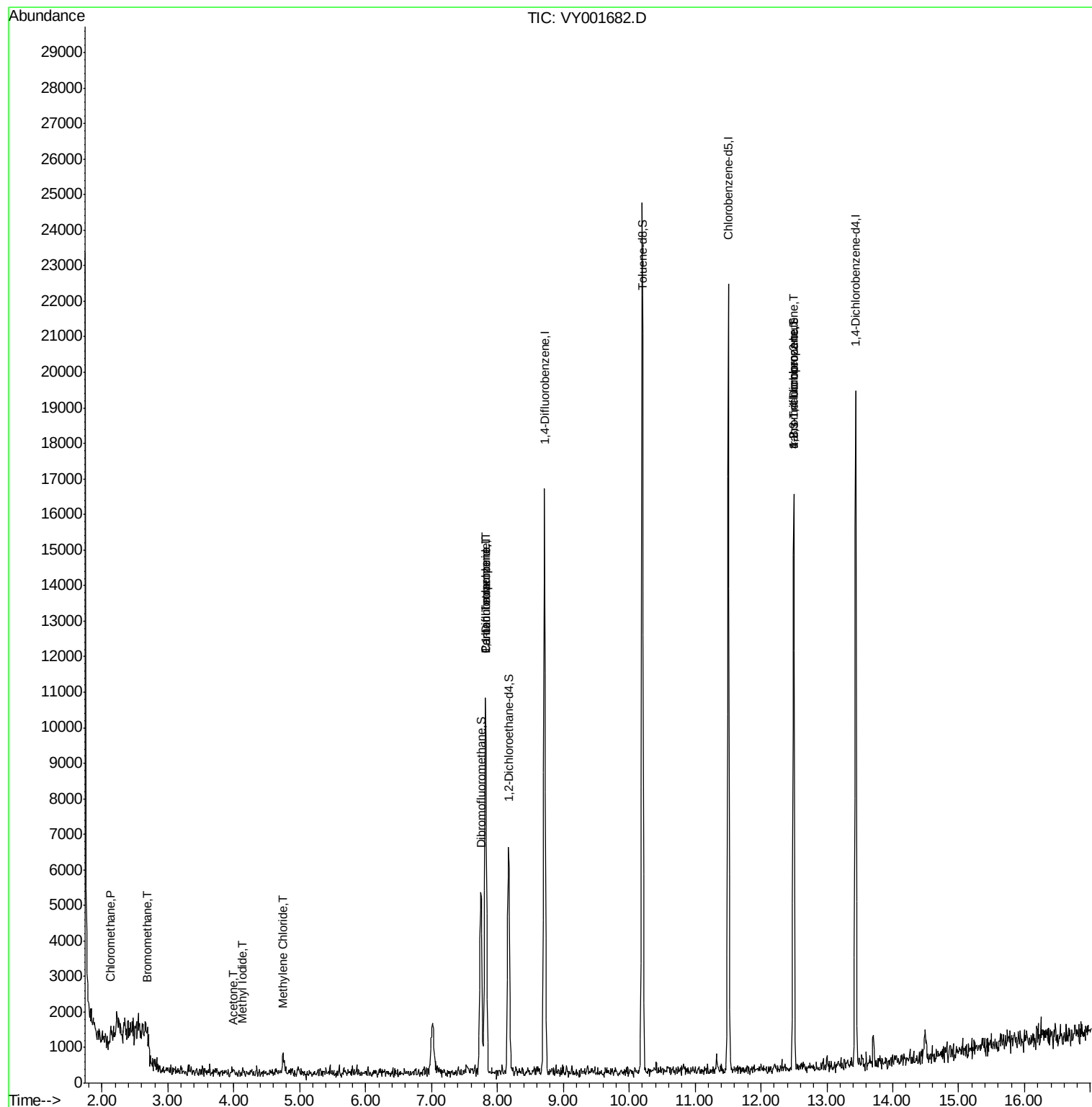
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.14	50	115	1.101	ug/l #	42
5) Bromomethane	2.69	94	109	1.655	ug/l #	66
10) Methyl Iodide	4.13	142	128	1.234	ug/l #	43
16) Acetone	3.99	43	39	1.315	ug/l #	41
20) Methylene Chloride	4.75	84	331	3.141	ug/l #	68
36) 1,1-Dichloropropene	7.82	75	593	4.611	ug/l #	45
38) Carbon Tetrachloride	7.82	117	768	6.798	ug/l #	13
76) 1,2,3-Trichloropropane	12.49	75	2695	51.521	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	2695	97.743	ug/l #	17

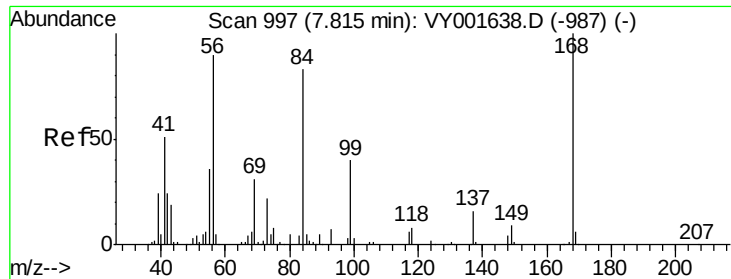
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

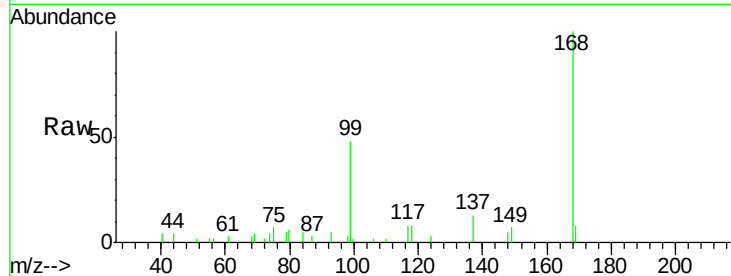
MARCY-GREEN-BH-03-B

Tot Ion:168 Resp: 7970

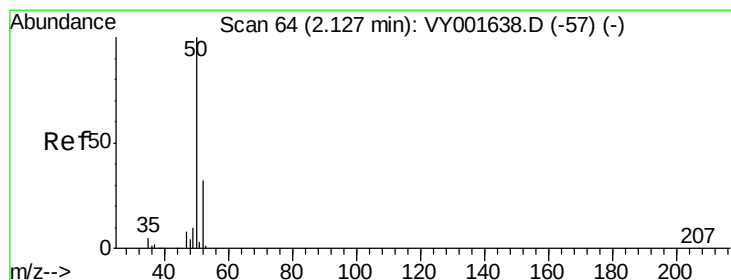
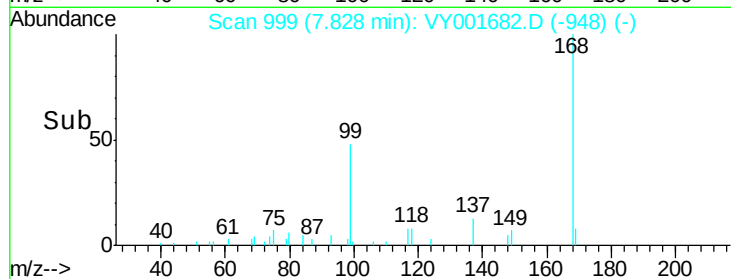
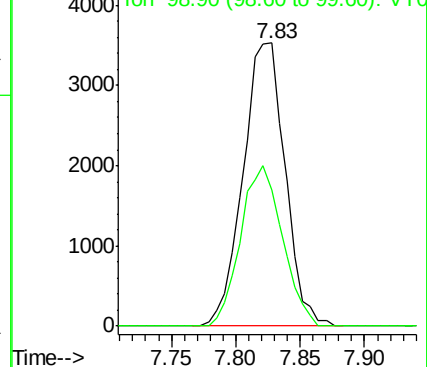
Ion Ratio Lower Upper

168 100

99 48.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001682.D (-948) (-)



#3

Chloromethane

Concen: 1.101 ug/l

RT: 2.14 min Scan# 66

Delta R.T. 0.01 min

Lab File: VY001682.D

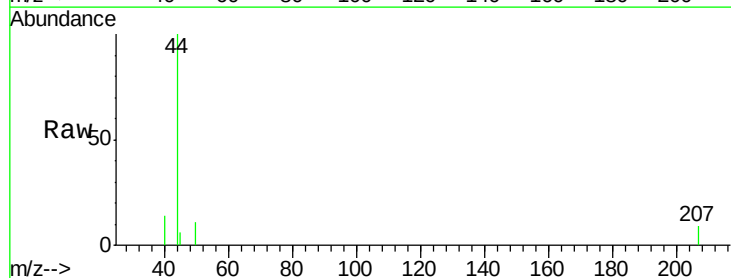
Acq: 18 Feb 2020 19:25

Tgt Ion: 50 Resp: 115

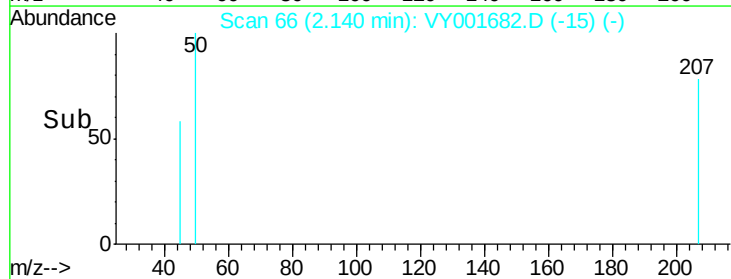
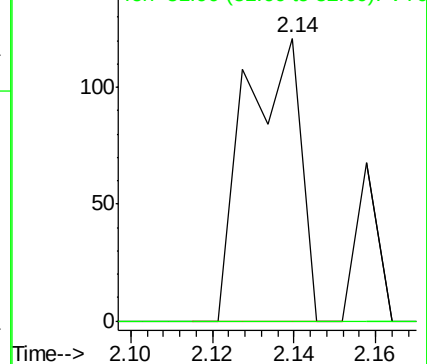
Ion Ratio Lower Upper

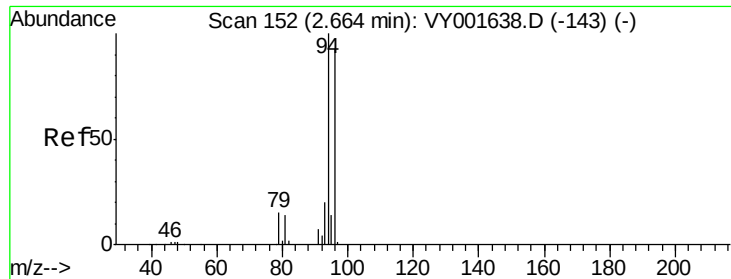
50 100

52 0.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VY001682.D (-15) (-)





#5

Bromomethane

Concen: 1.655 ug/l

RT: 2.69 min Scan# 156

Delta R.T. 0.02 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

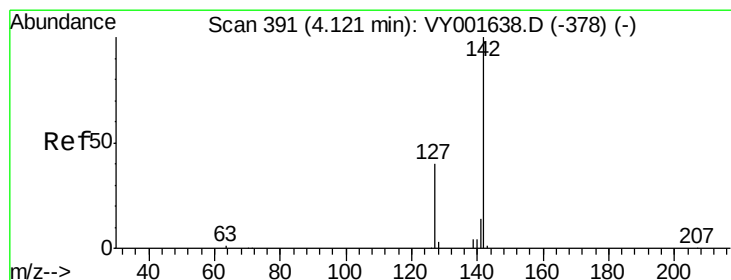
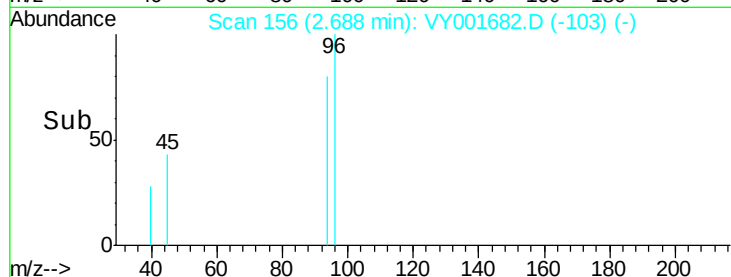
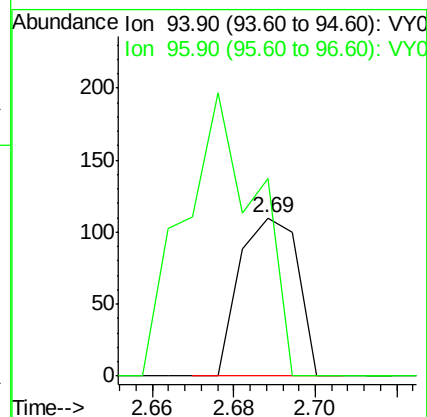
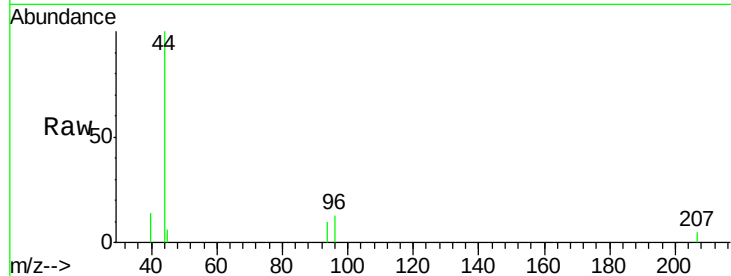
MARCY-GREEN-BH-03-B

Tot Ion: 94 Resp: 109

Ion Ratio Lower Upper

94 100

96 124.5 73.7 110.5#



#10

Methyl Iodide

Concen: 1.234 ug/l

RT: 4.13 min Scan# 393

Delta R.T. 0.01 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

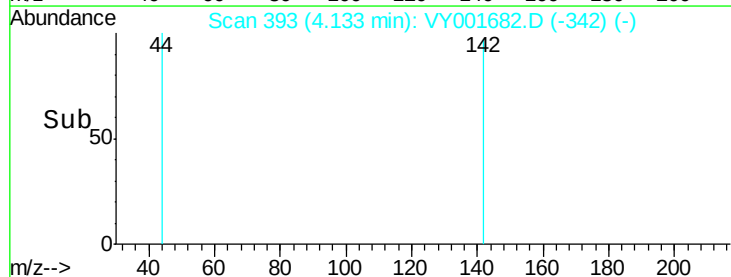
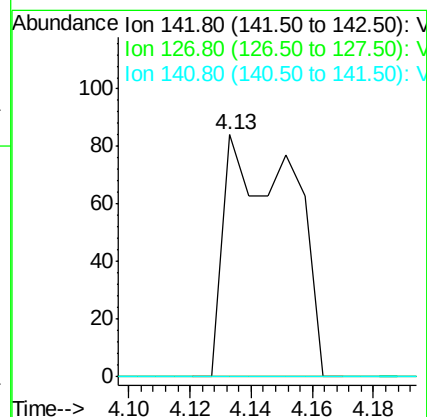
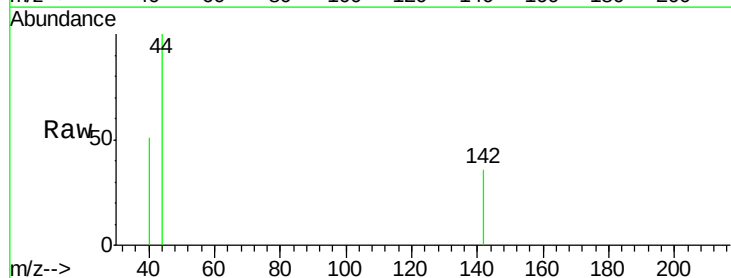
Tgt Ion: 142 Resp: 128

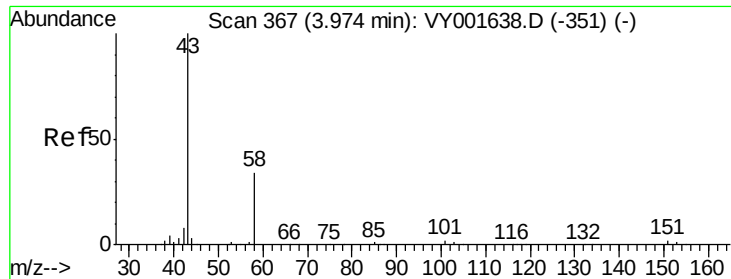
Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.3 16.9#





#16

Acetone

Concen: 1.315 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

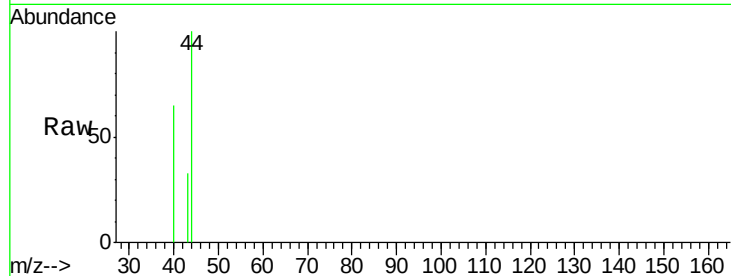
MARCY-GREEN-BH-03-B

Tot Ion: 43 Resp: 39

Ion Ratio Lower Upper

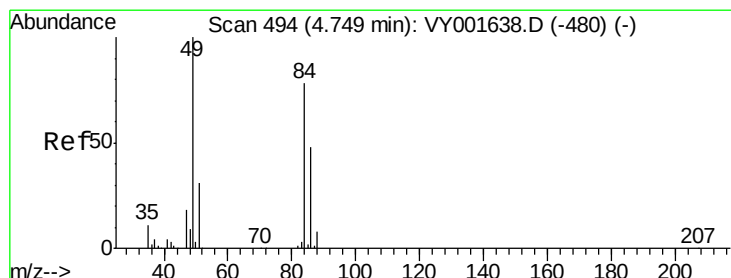
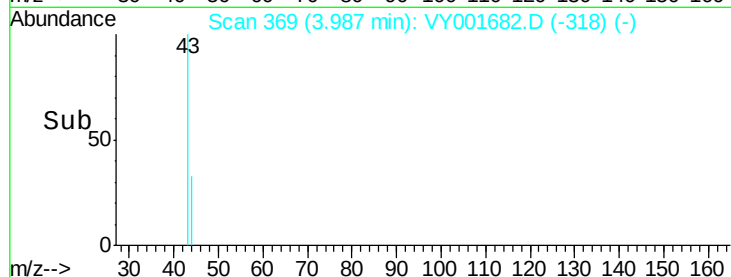
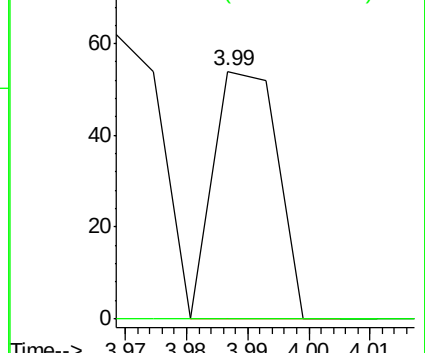
43 100

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



#20

Methylene Chloride

Concen: 3.141 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

Tgt Ion: 84 Resp: 331

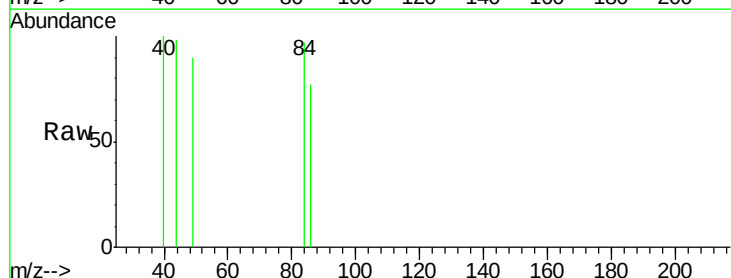
Ion Ratio Lower Upper

84 100

49 93.3 99.2 148.8#

51 0.0 31.5 47.3#

86 79.9 51.0 76.6#

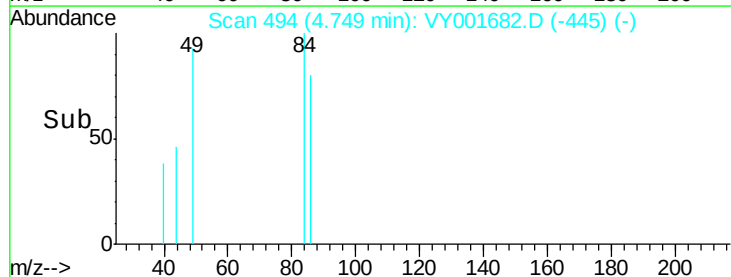
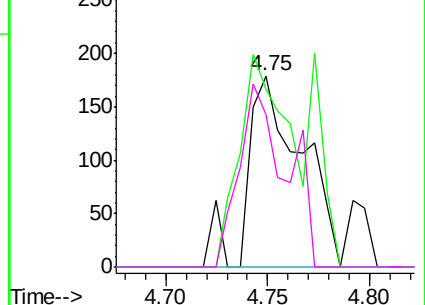


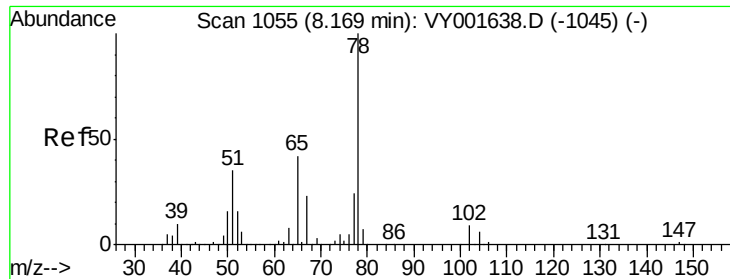
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

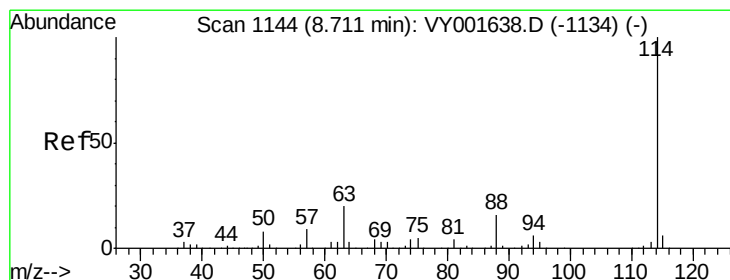
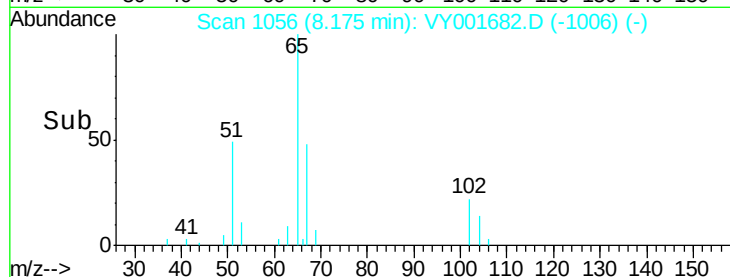
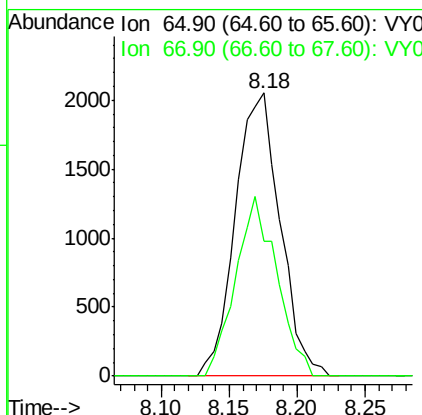
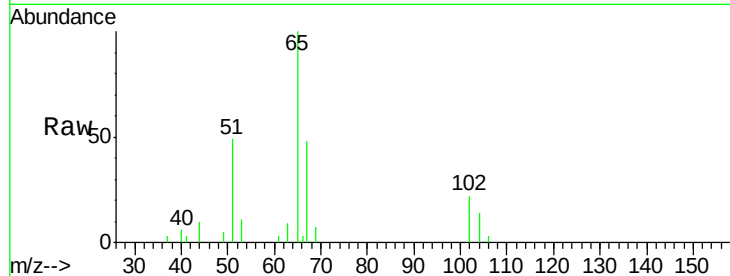




#33
 1,2-Dichloroethane-d4
 Concen: 55.092 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001682.D
 Acq: 18 Feb 2020 19:25

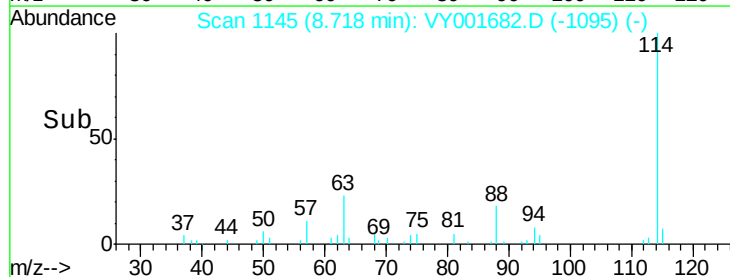
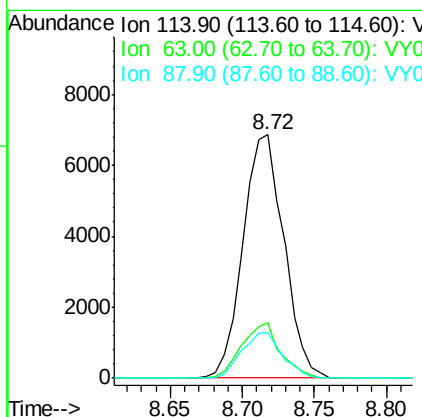
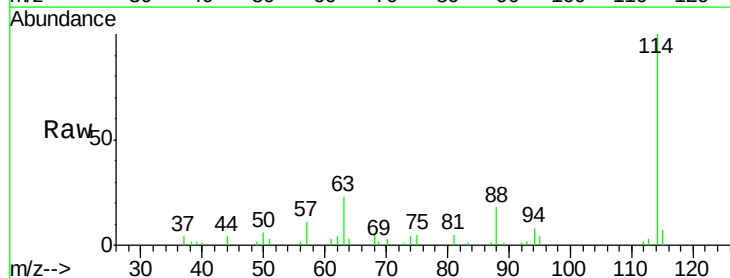
Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-03-B

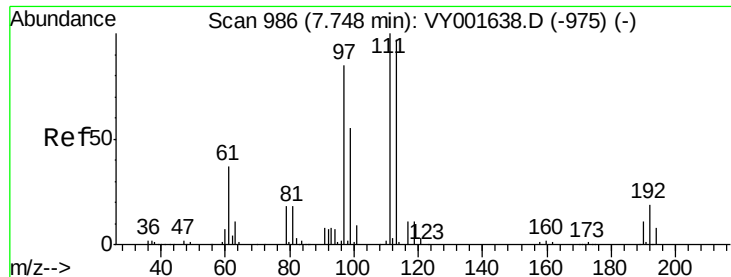
Tot Ion: 65 Resp: 4723
 Ion Ratio Lower Upper
 65 100
 67 58.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001682.D
 Acq: 18 Feb 2020 19:25

Tgt Ion: 114 Resp: 13465
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 41.4
 88 18.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.537 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-03-B

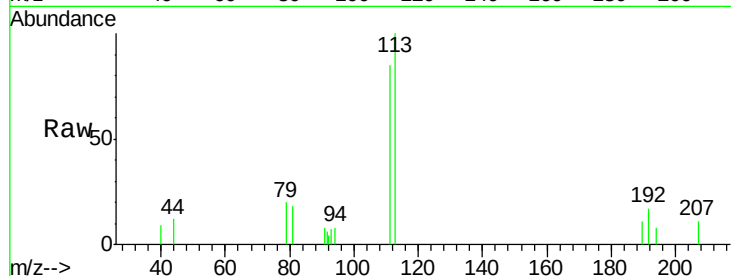
Tot Ion:113 Resp: 3589

Ion Ratio Lower Upper

113 100

111 104.3 81.9 122.9

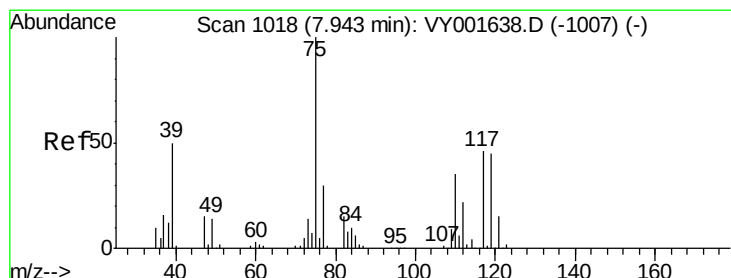
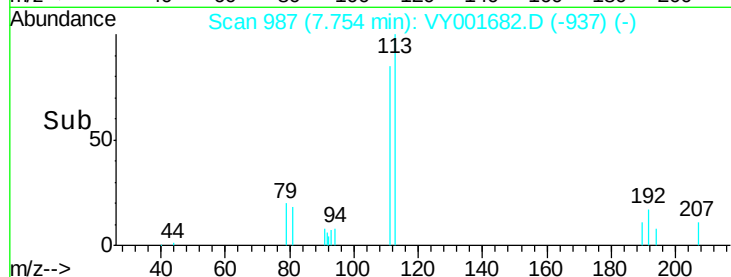
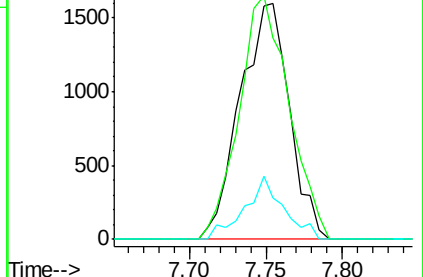
192 21.0 14.3 21.5



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



#36

1,1-Dichloropropene

Concen: 4.611 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

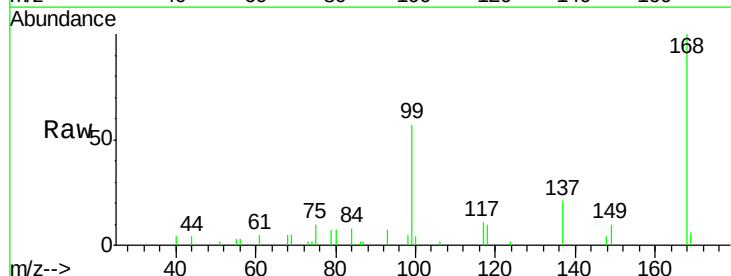
Tgt Ion: 75 Resp: 593

Ion Ratio Lower Upper

75 100

110 3.5 17.2 51.6#

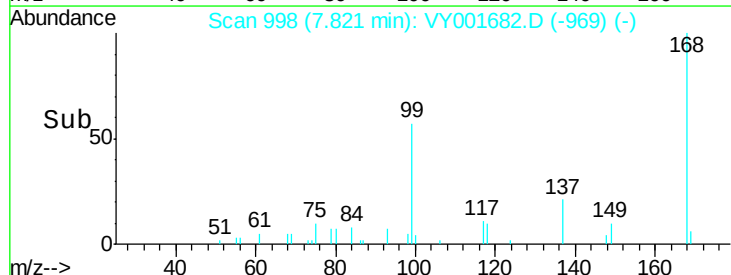
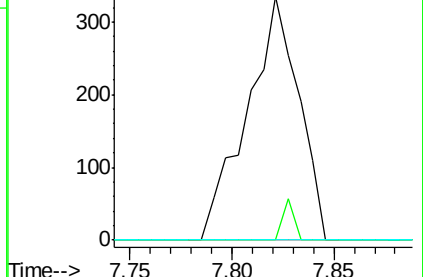
77 0.0 24.8 37.2#

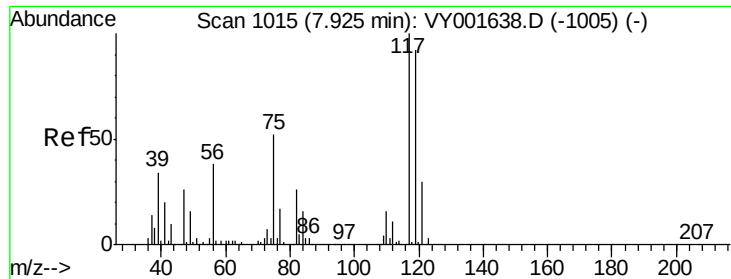


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

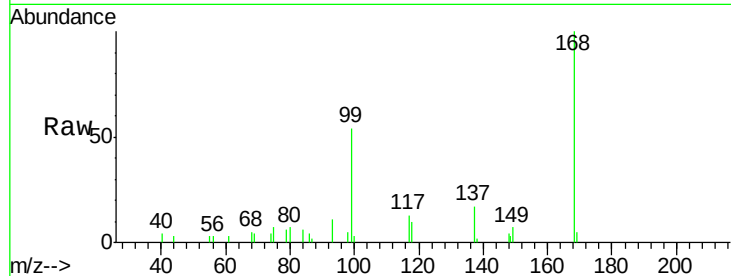




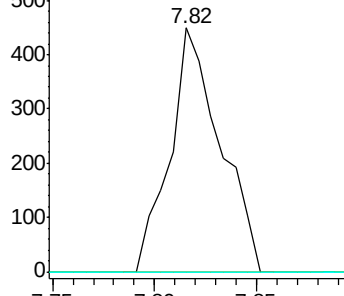
#38
Carbon Tetrachloride
Concen: 6.798 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001682.D
Acq: 18 Feb 2020 19:25

Instrument :
MSVOA_Y
ClientSampleId :
MARCY-GREEN-BH-03-B

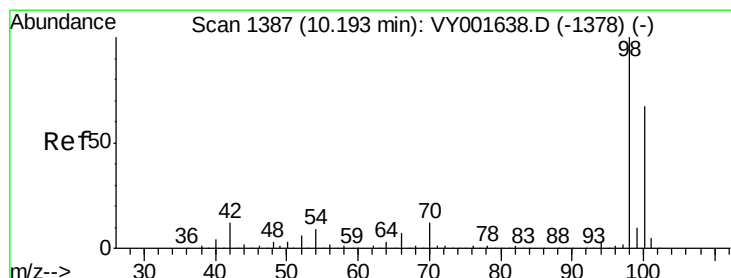
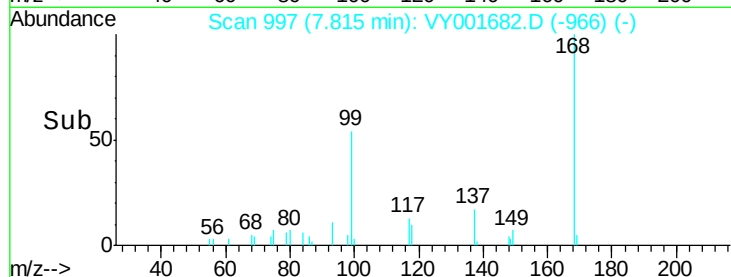
Tot Ion:117 Resp: 768
Ion Ratio Lower Upper
117 100
119 0.0 74.8 112.2#
121 0.0 23.8 35.6#



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

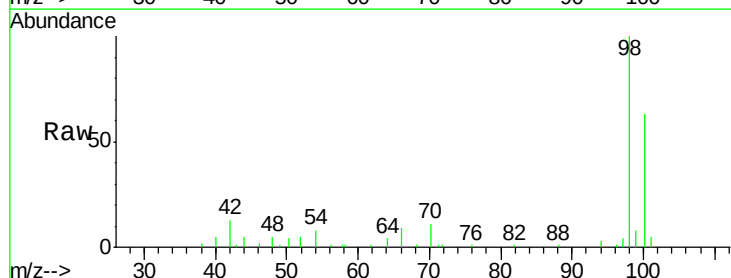


Time--> 7.75 7.80 7.85

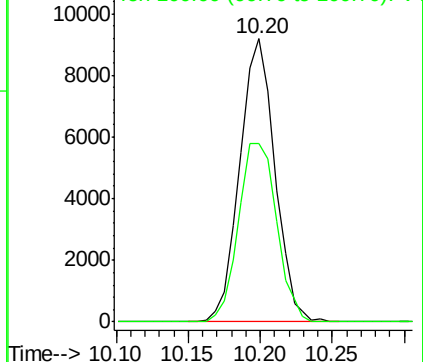


#50
Toluene-d8
Concen: 51.526 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001682.D
Acq: 18 Feb 2020 19:25

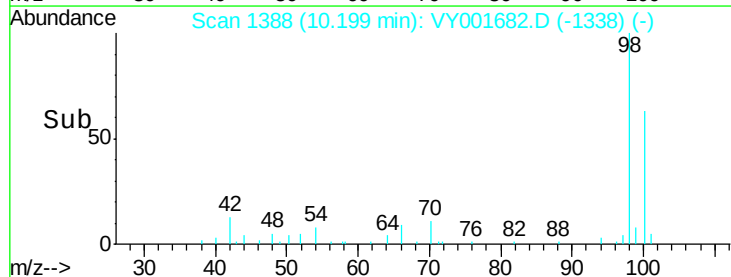
Tgt Ion: 98 Resp: 15568
Ion Ratio Lower Upper
98 100
100 68.6 53.0 79.4

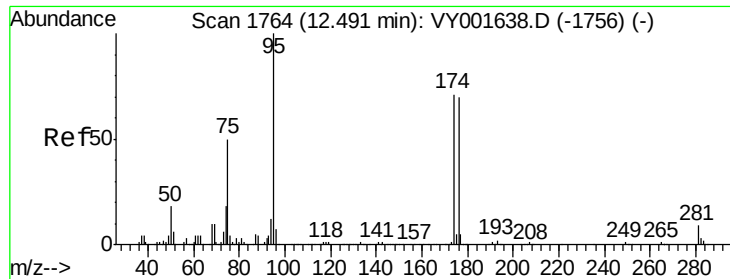


Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0



Time--> 10.10 10.15 10.20 10.25





#62

4-Bromofluorobenzene

Concen: 43.841 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-03-B

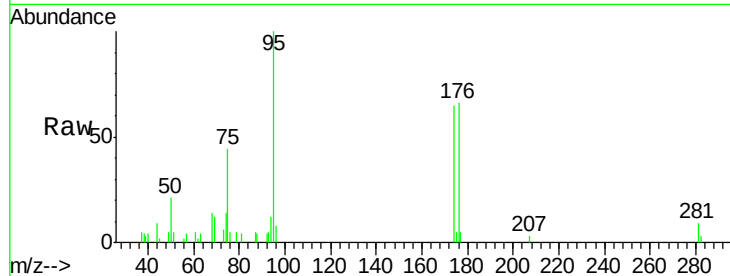
Tot Ion: 95 Resp: 5146

Ion Ratio Lower Upper

95 100

174 73.1 0.0 138.4

176 71.2 0.0 131.8

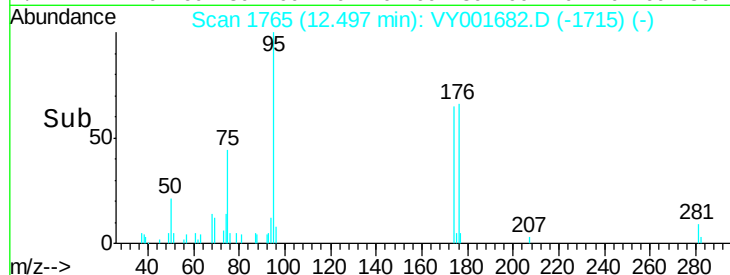


Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

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

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

Time-->

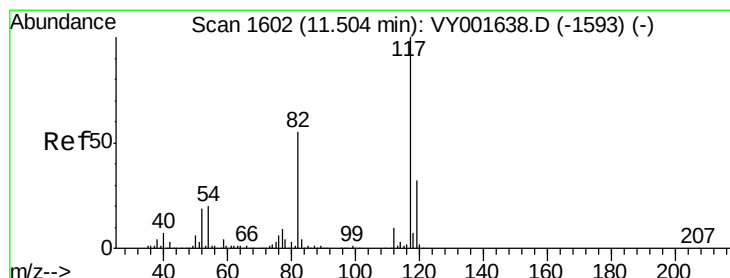


Abundance Ion 94.90 (94.60 to 95.60): VY001682.D (-1715) (-)

Ion 173.80 (173.50 to 174.50): VY001682.D (-1715) (-)

Ion 175.80 (175.50 to 176.50): VY001682.D (-1715) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

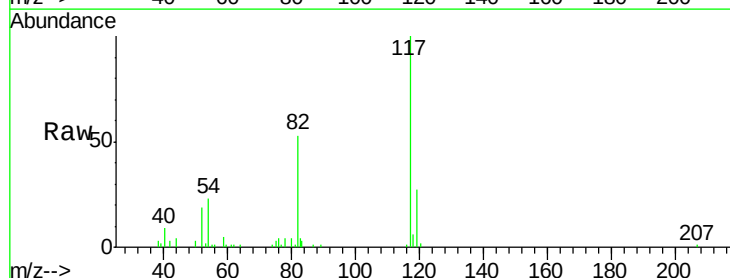
Tgt Ion: 117 Resp: 11904

Ion Ratio Lower Upper

117 100

82 53.3 45.5 68.3

119 27.2 25.8 38.6

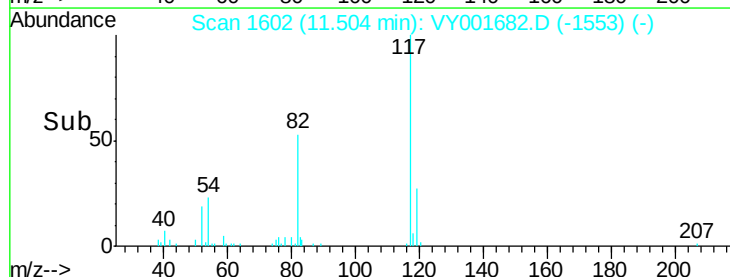


Abundance Ion 116.90 (116.60 to 117.60): VY001638.D (-1593) (-)

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

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

Time-->

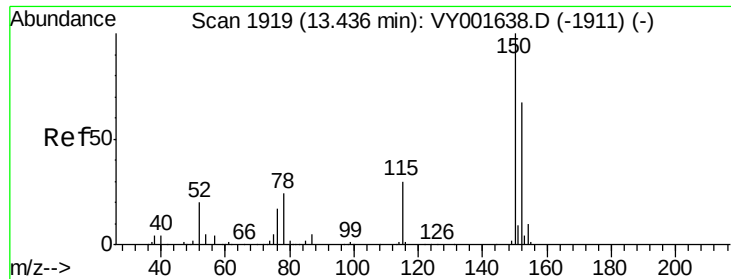


Abundance Ion 116.90 (116.60 to 117.60): VY001682.D (-1553) (-)

Ion 82.00 (81.70 to 82.70): VY001682.D (-1553) (-)

Ion 118.90 (118.60 to 119.60): VY001682.D (-1553) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-03-B

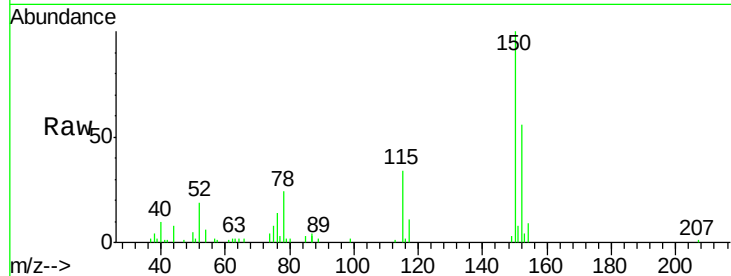
Tot Ion:152 Resp: 4560

Ion Ratio Lower Upper

152 100

115 65.7 31.4 94.2

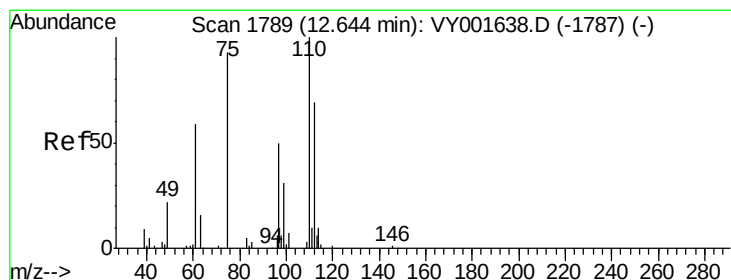
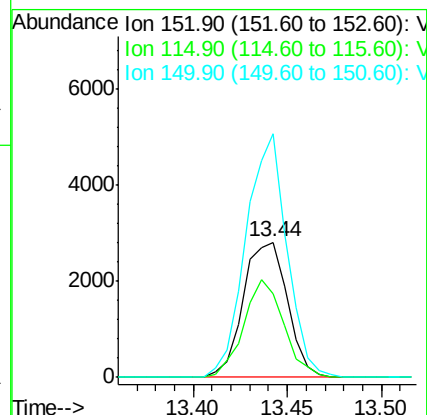
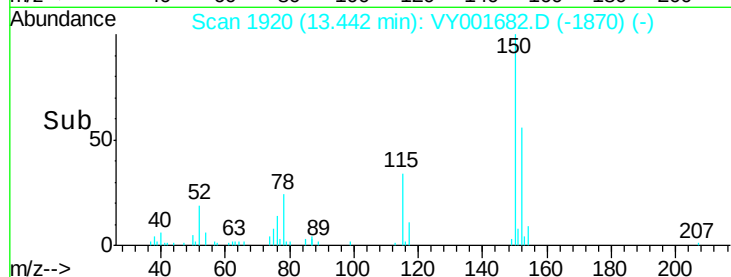
150 167.1 0.0 407.2



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: 51.521 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001682.D

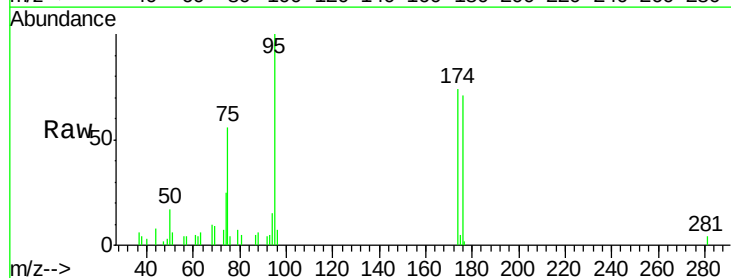
Acq: 18 Feb 2020 19:25

Tgt Ion: 75 Resp: 2695

Ion Ratio Lower Upper

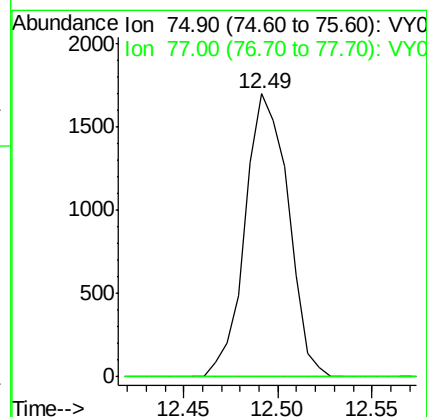
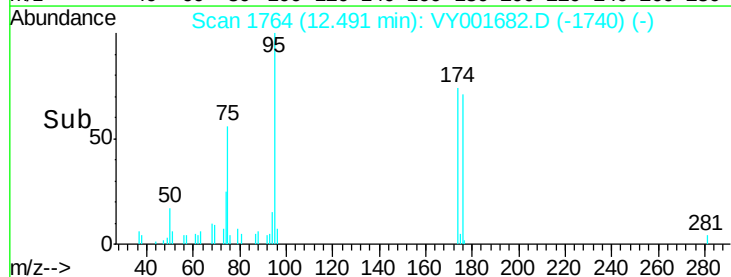
75 100

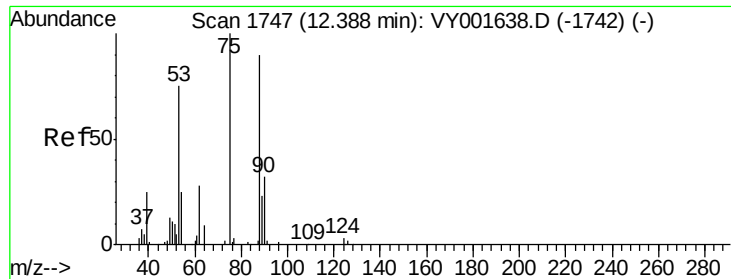
77 0.0 0.0 0.0



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: 97.743 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001682.D

Acq: 18 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-03-B

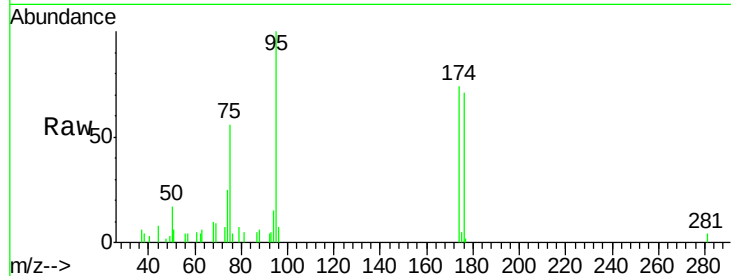
Tot Ion: 75 Resp: 2695

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

