

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001676.D
 Acq On : 18 Feb 2020 17:12
 Operator : SY/MD
 Sample : L1547-05
 Misc : 4.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 19 06:47:39 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	119788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	219244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	193525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	82703	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	73021	56.67	ug/l	0.00
Spiked Amount			Recovery	=	113.34%	
35) Dibromofluoromethane	7.75	113	59104	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	10.19	98	262337	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.49	95	85986	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

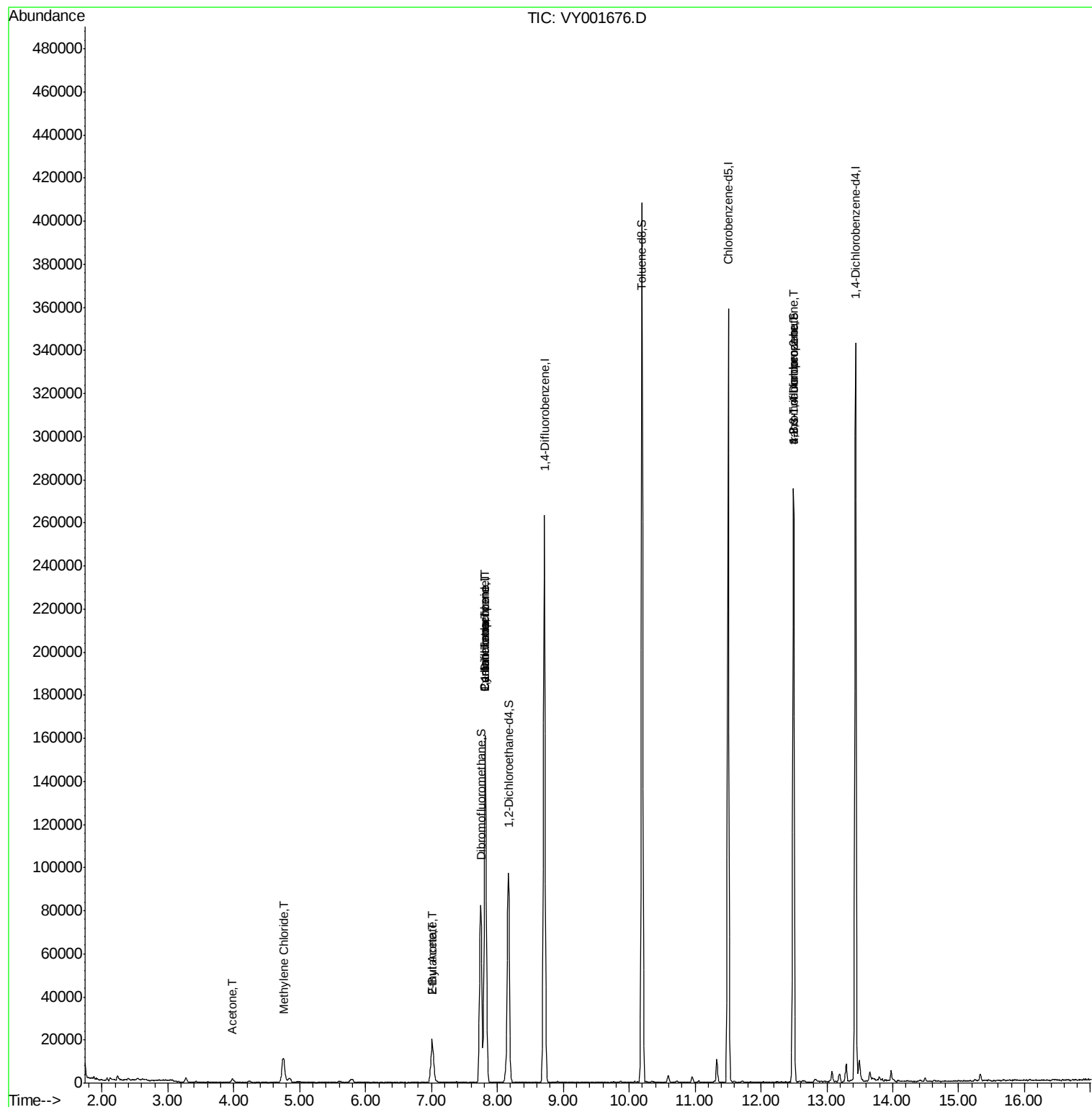
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	541	Below Cal	#	74
16) Acetone	3.98	43	3182	7.137	ug/l	90
20) Methylene Chloride	4.75	84	8918	5.631	ug/l #	85
25) 2-Butanone	7.02	43	1616	2.668	ug/l	93
31) Cyclohexane	7.82	56	2861	1.057	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	10642	5.082	ug/l #	49
37) Ethyl Acetate	7.02	43	1616	1.293	ug/l #	30
38) Carbon Tetrachloride	7.82	117	11778	6.403	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	44187	46.576	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	44187	88.362	ug/l #	17

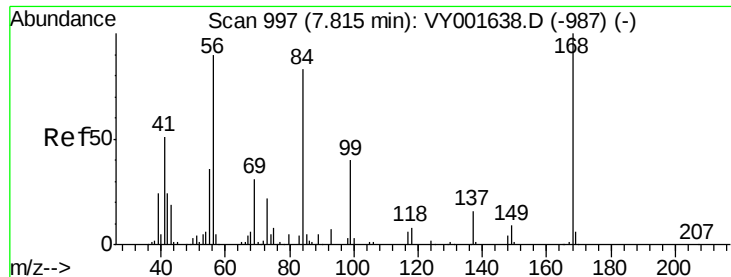
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
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# 997

Delta R.T. 0.00 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

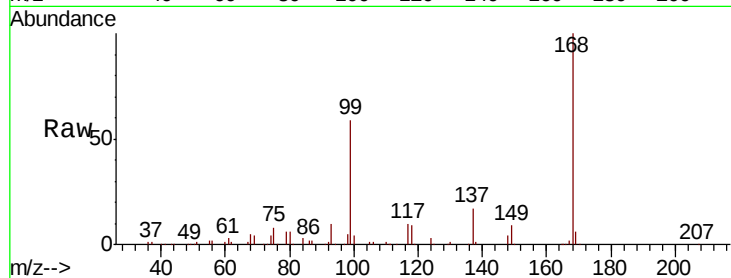
MARCY-GREEN-BH-01-B

Tot Ion:168 Resp: 119788

Ion Ratio Lower Upper

168 100

99 58.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001676.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001676.D (-948) (-)

7.82

60000

50000

40000

30000

20000

10000

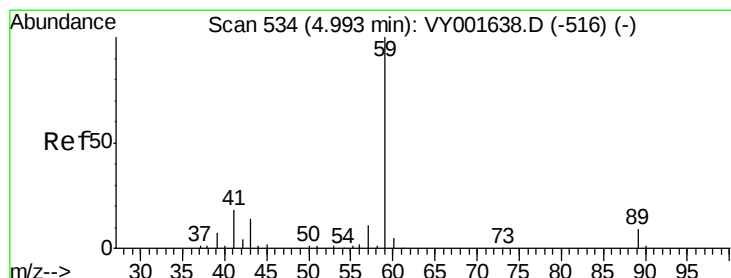
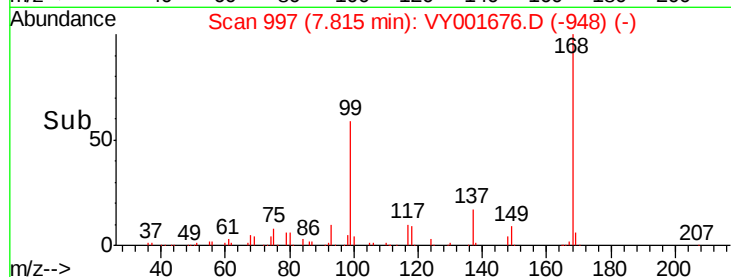
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Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 536

Delta R.T. 0.01 min

Lab File: VY001676.D

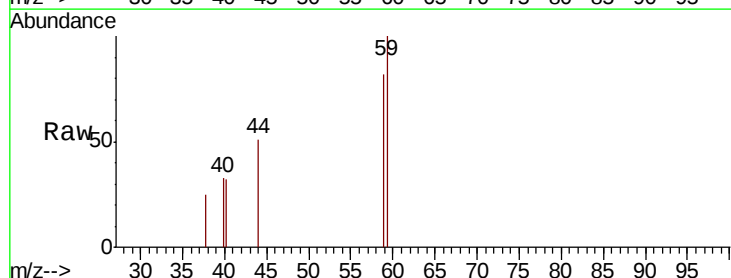
Acq: 18 Feb 2020 17:12

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001676.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001676.D (-485) (-)

5.00

500

400

300

200

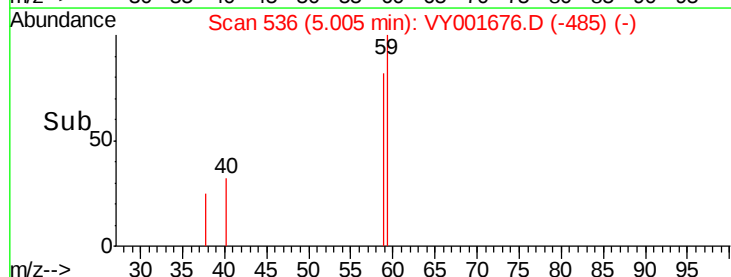
100

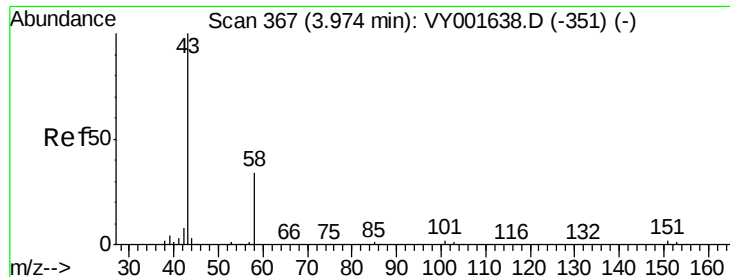
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Time-->

5.00

5.05





#16

Acetone

Concen: 7.137 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

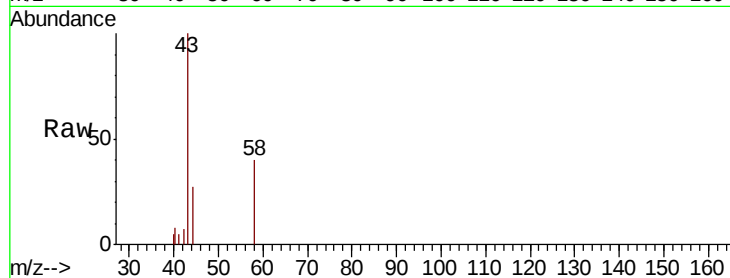
MARCY-GREEN-BH-01-B

Tot Ion: 43 Resp: 3182

Ion Ratio Lower Upper

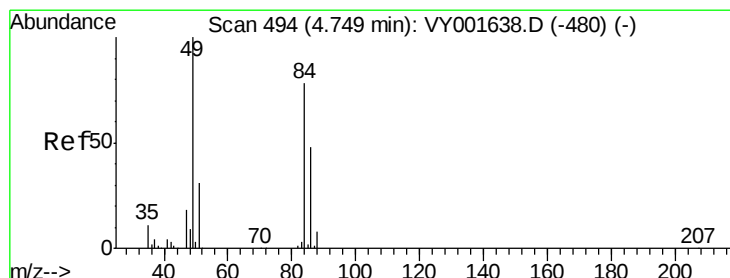
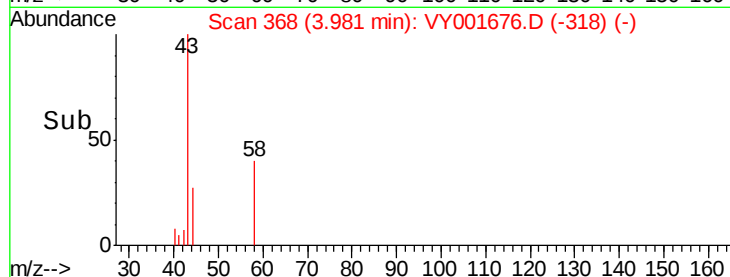
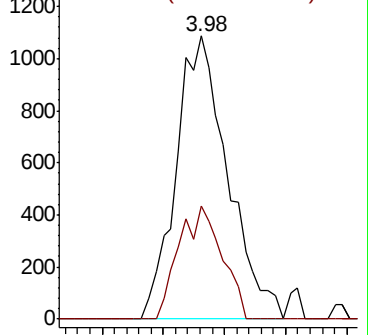
43 100

58 39.7 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: 5.631 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

Tgt Ion: 84 Resp: 8918

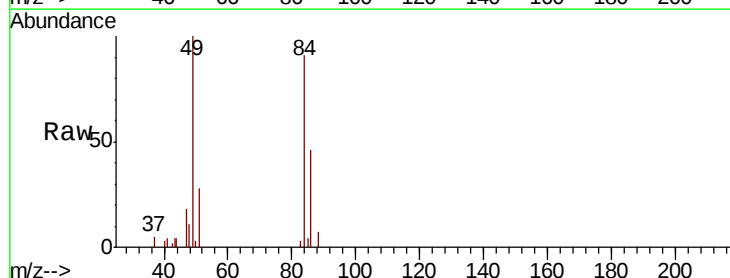
Ion Ratio Lower Upper

84 100

49 109.4 99.2 148.8

51 30.6 31.5 47.3#

86 49.9 51.0 76.6#

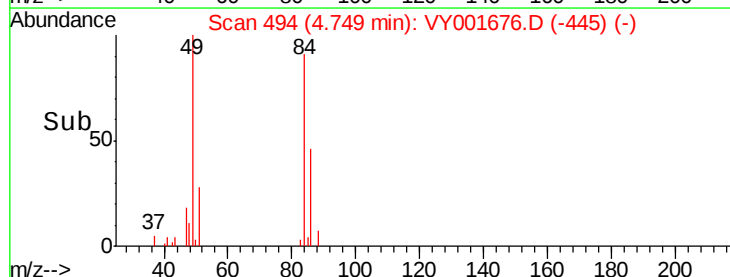
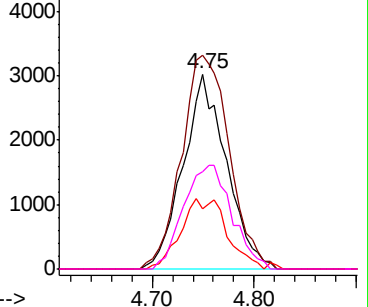


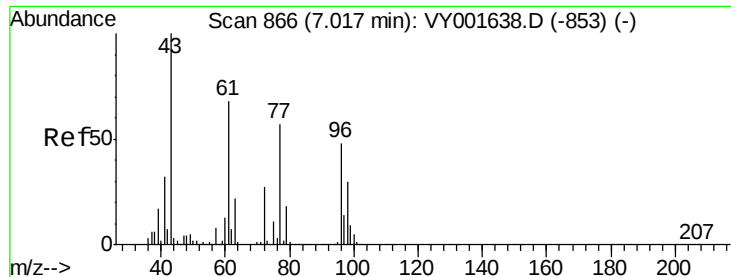
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

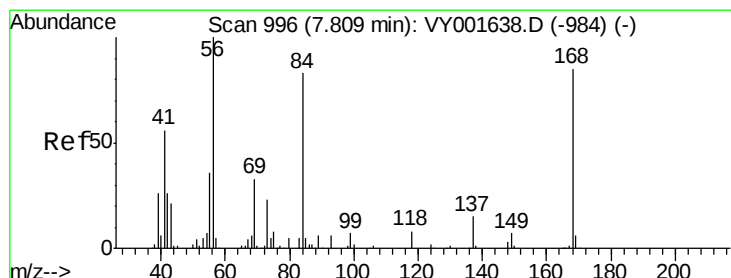
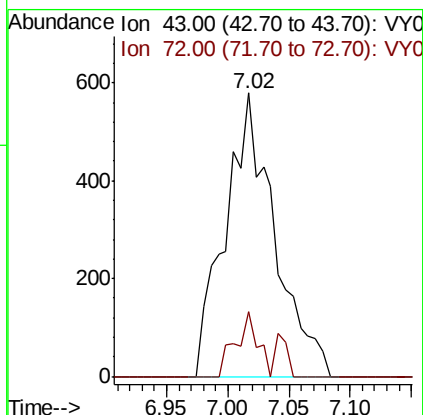
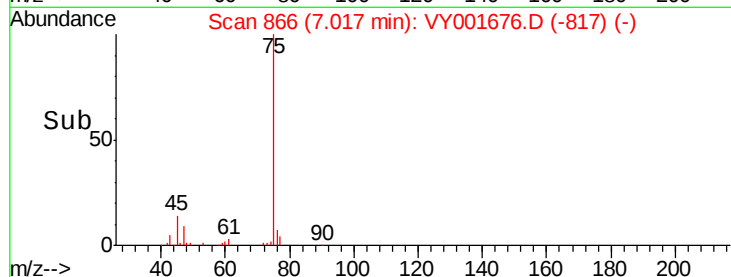
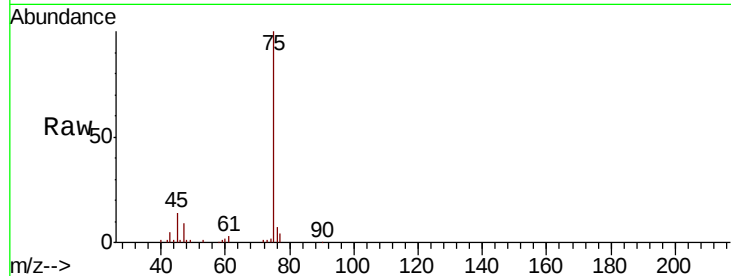




#25
2-Butanone
Concen: 2.668 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001676.D
Acq: 18 Feb 2020 17:12

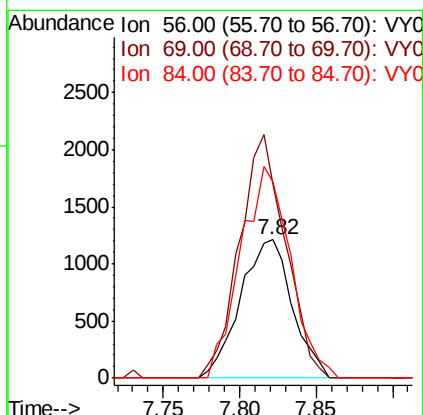
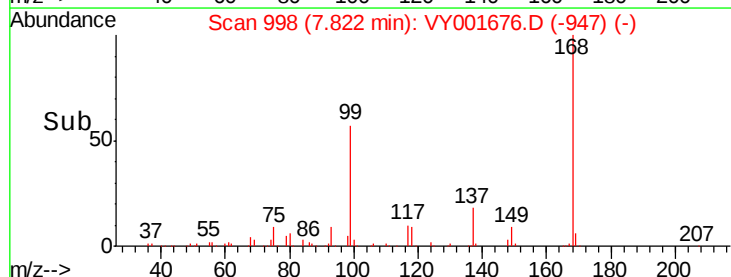
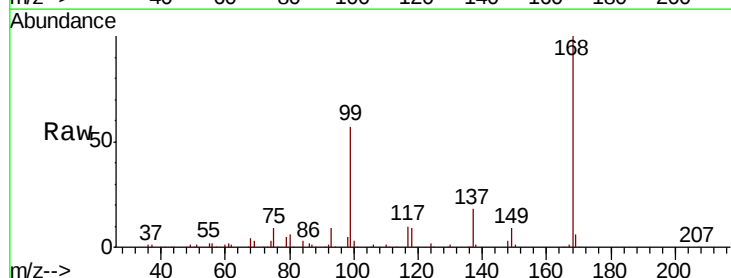
Instrument :
MSVOA_Y
ClientSampleId :
MARCY-GREEN-BH-01-B

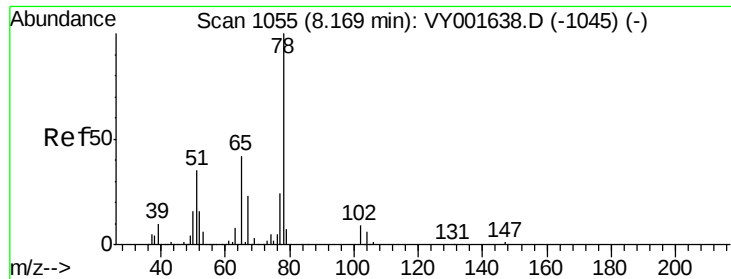
Tot Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
72 22.8 21.2 31.8



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001676.D
Acq: 18 Feb 2020 17:12

Tgt Ion: 56 Resp: 2861
Ion Ratio Lower Upper
56 100
69 140.3 25.1 37.7#
84 141.8 66.9 100.3#

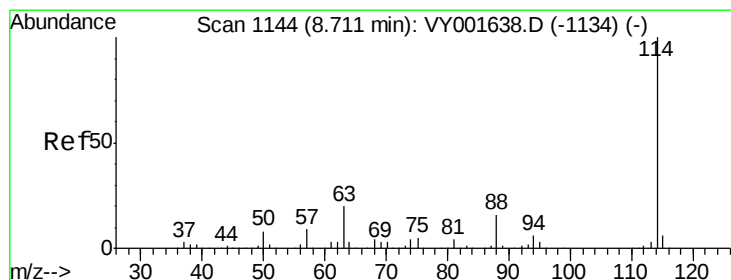
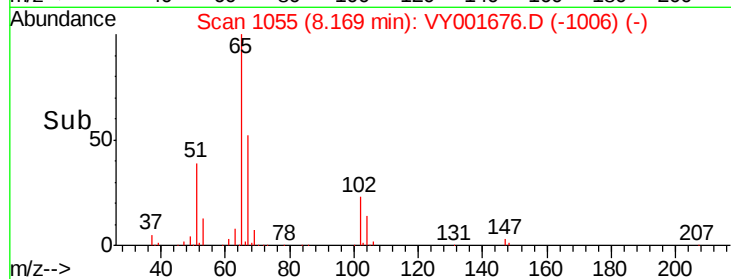
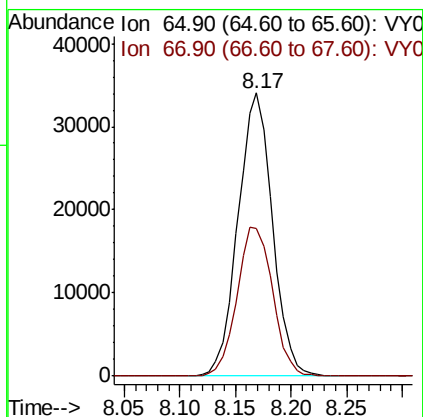
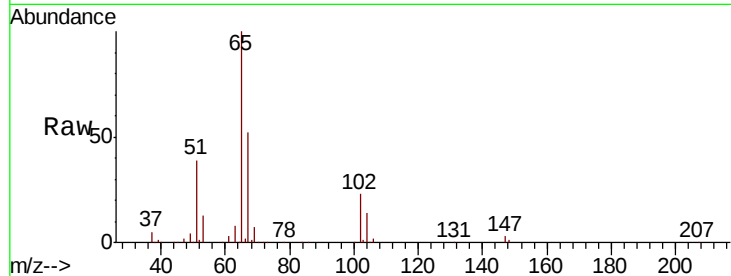




#33
 1,2-Dichloroethane-d4
 Concen: 56.672 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001676.D
 Acq: 18 Feb 2020 17:12

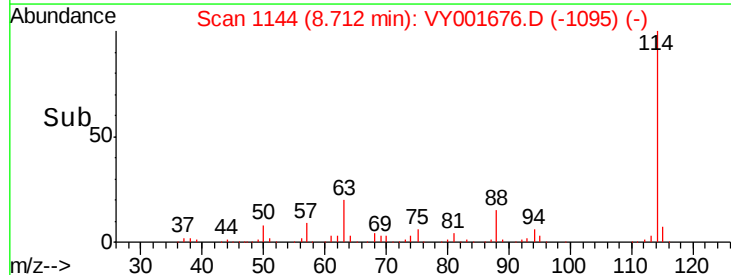
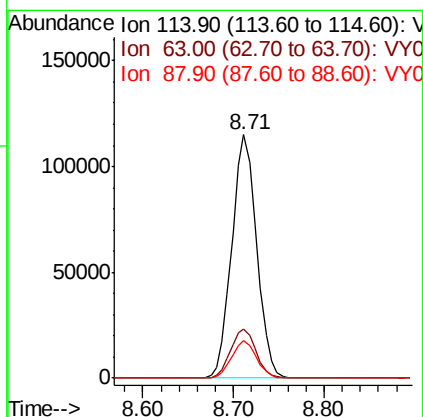
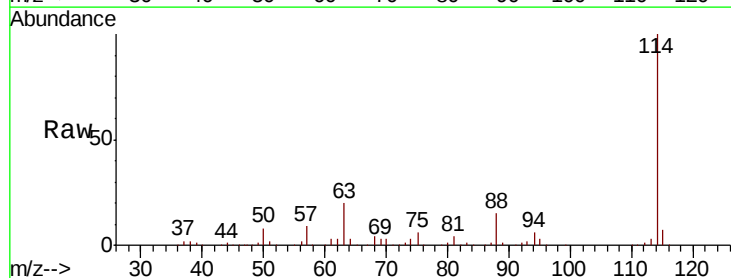
Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-01-B

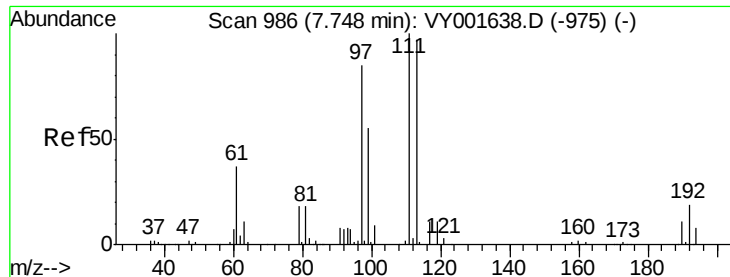
Tot Ion: 65 Resp: 73021
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001676.D
 Acq: 18 Feb 2020 17:12

Tgt Ion: 114 Resp: 219244
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.2 0.0 32.8

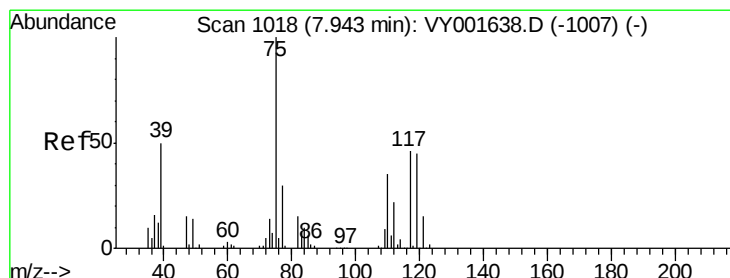
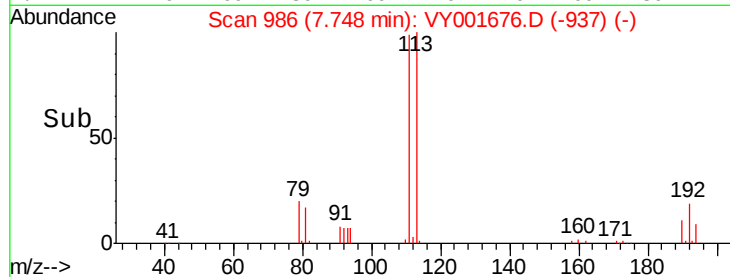
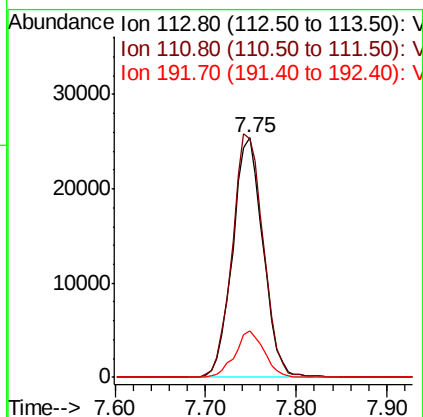
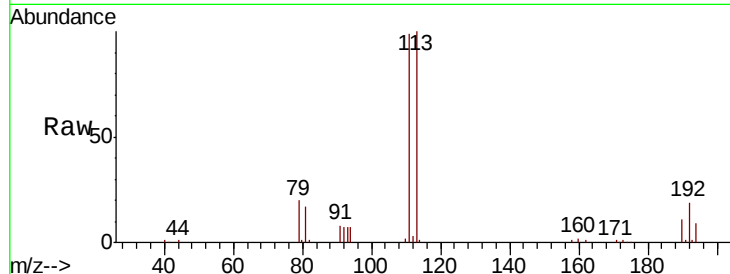




#35
 Dibromofluoromethane
 Concen: 47.067 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001676.D
 Acq: 18 Feb 2020 17:12

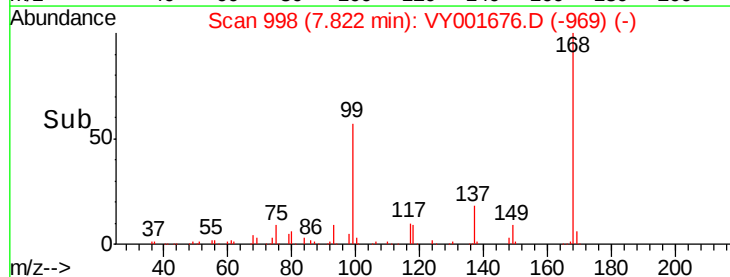
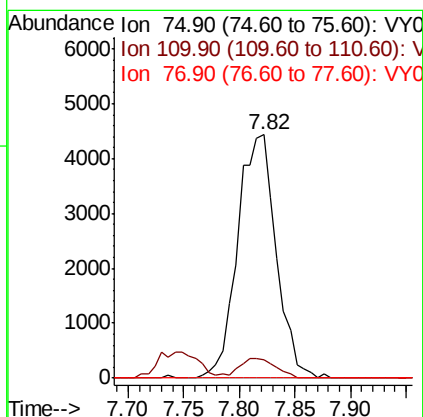
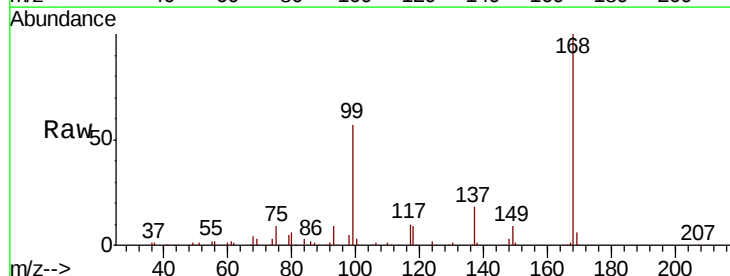
Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-01-B

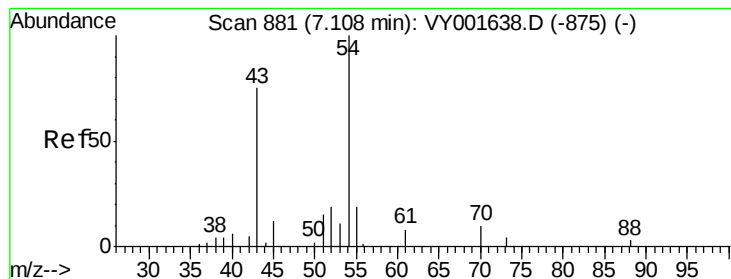
Tot Ion:113 Resp: 59104
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.9 122.9
 192 18.5 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 5.082 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001676.D
 Acq: 18 Feb 2020 17:12

Tgt Ion: 75 Resp: 10642
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.2 51.6#
 77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.293 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.09 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-01-B

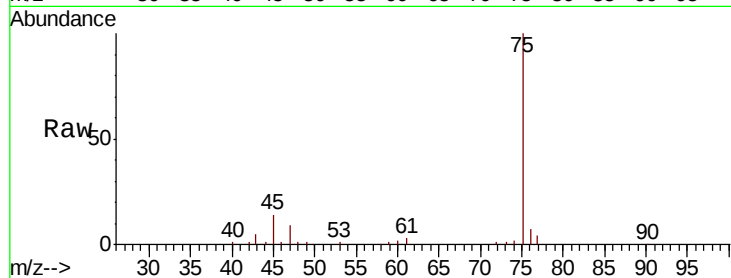
Tot Ion: 43 Resp: 1616

Ion Ratio Lower Upper

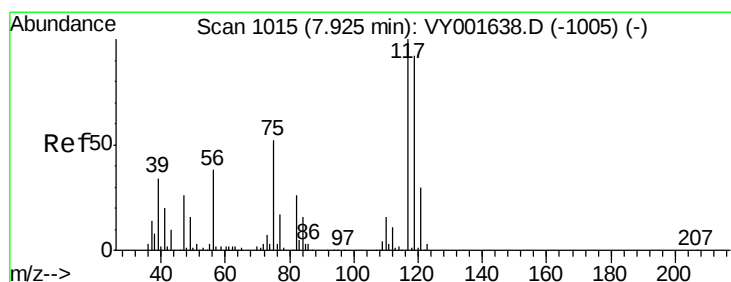
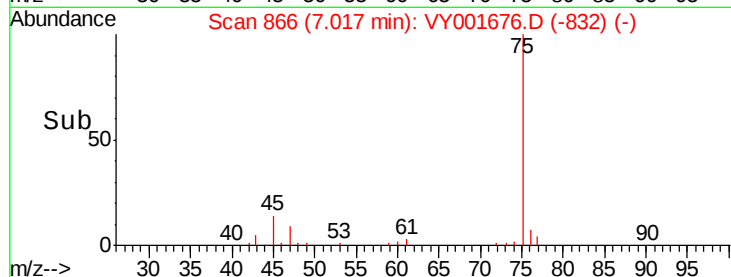
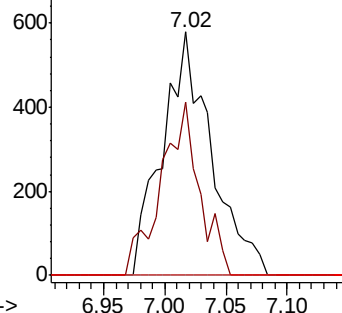
43 100

61 55.6 11.0 16.6#

70 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0



#38

Carbon Tetrachloride

Concen: 6.403 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.11 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

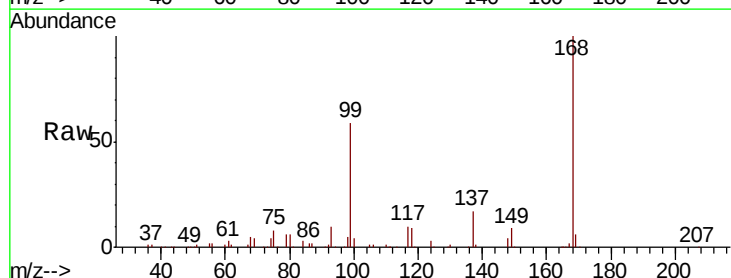
Tgt Ion: 117 Resp: 11778

Ion Ratio Lower Upper

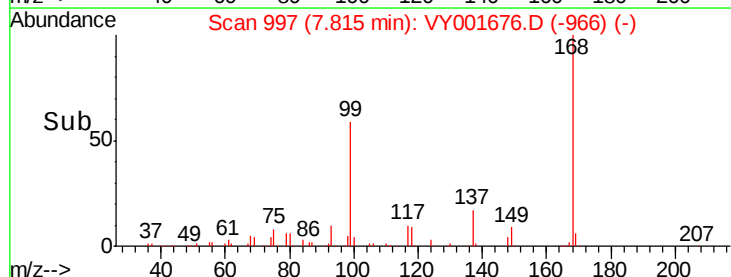
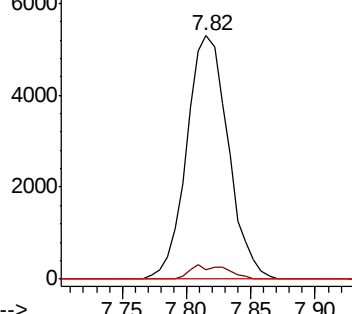
117 100

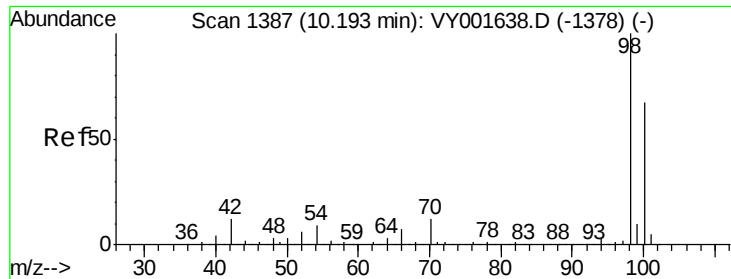
119 4.1 74.8 112.2#

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





#50

Toluene-d8

Concen: 53.325 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

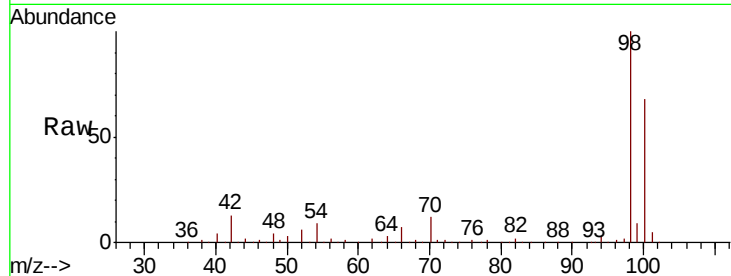
MARCY-GREEN-BH-01-B

Tot Ion: 98 Resp: 262337

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001638.D (-1378) (-)

10.19

150000

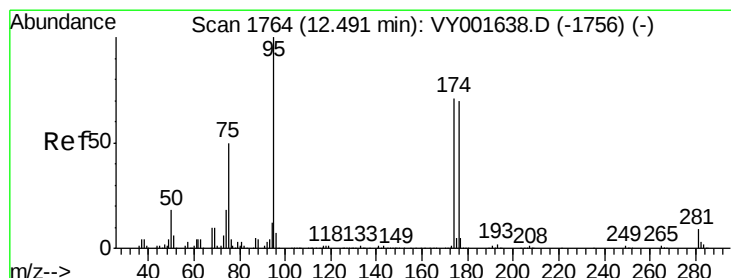
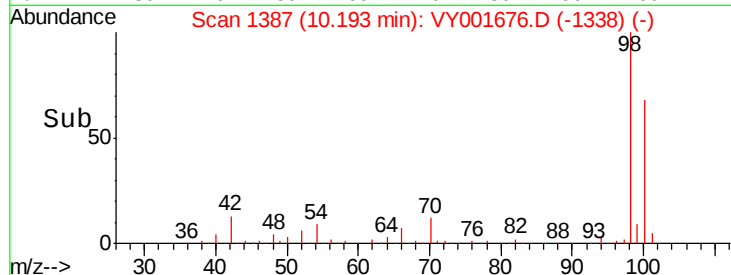
100000

50000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 44.990 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

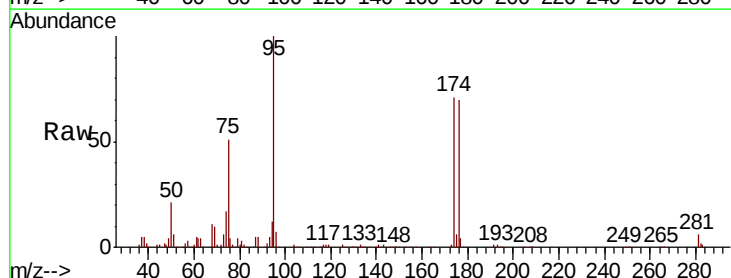
Tgt Ion: 95 Resp: 85986

Ion Ratio Lower Upper

95 100

174 75.4 0.0 138.4

176 72.5 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) (-)

12.49

60000

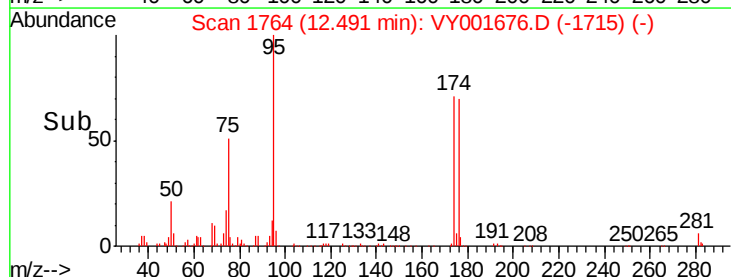
40000

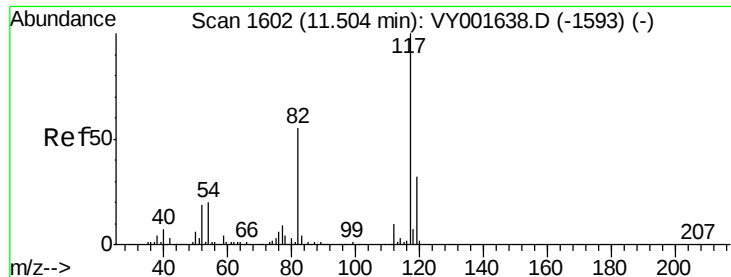
20000

0

Time-->

12.40 12.45 12.50 12.55

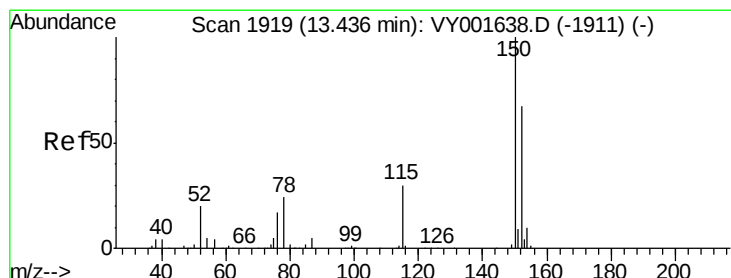
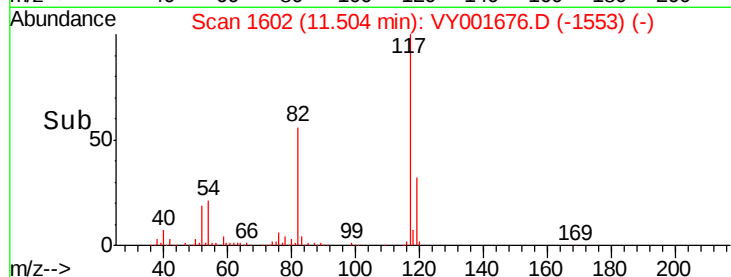
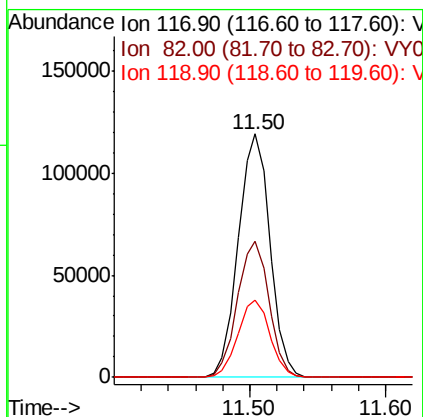
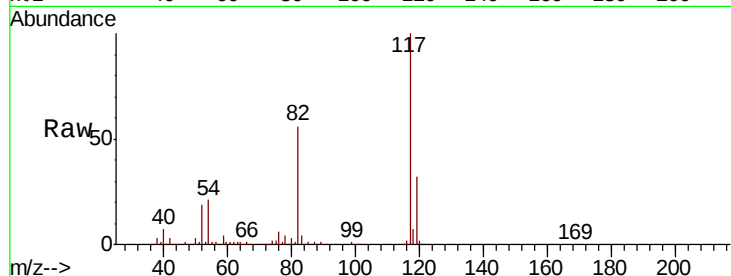




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001676.D
Acq: 18 Feb 2020 17:12

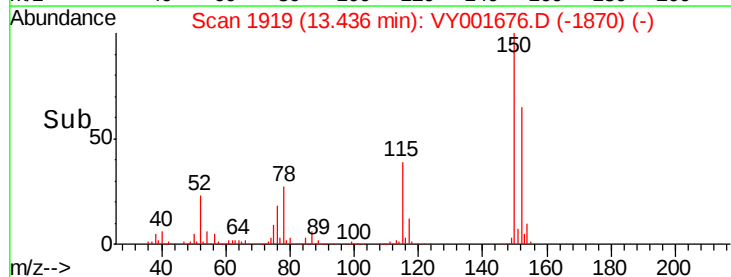
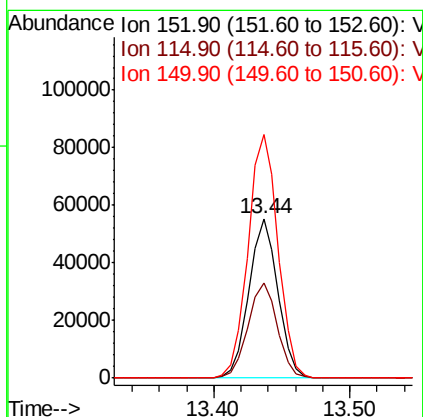
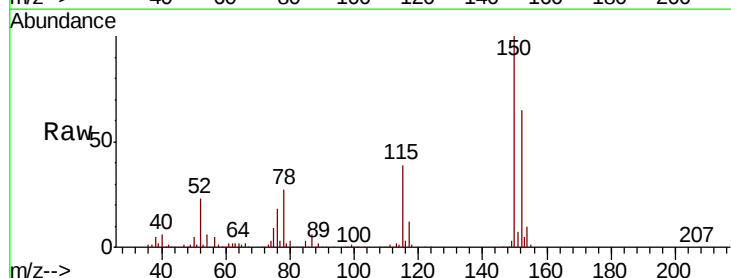
Instrument :
MSVOA_Y
ClientSampleId :
MARCY-GREEN-BH-01-B

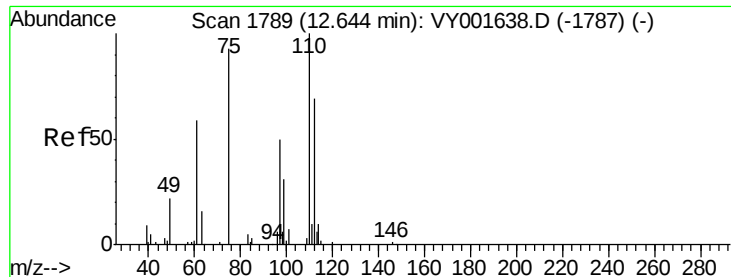
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.5	68.3
119	31.9	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001676.D
Acq: 18 Feb 2020 17:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.4	94.2
150	157.2	0.0	407.2





#76

1,2,3-Trichloropropane

Concen: 46.576 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

Instrument :

MSVOA_Y

ClientSampleId :

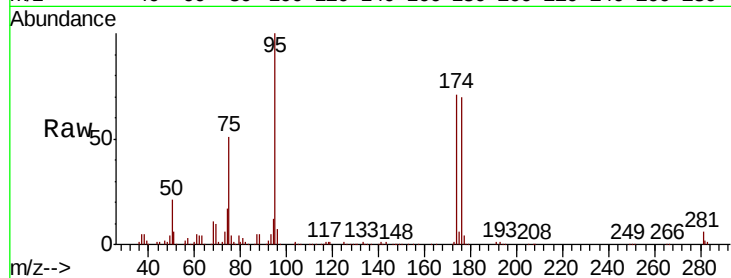
MARCY-GREEN-BH-01-B

Tot Ion: 75 Resp: 44187

Ion Ratio Lower Upper

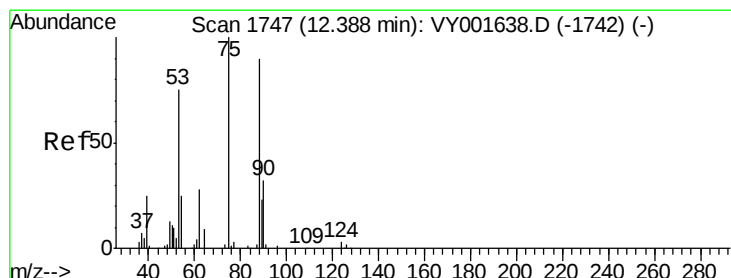
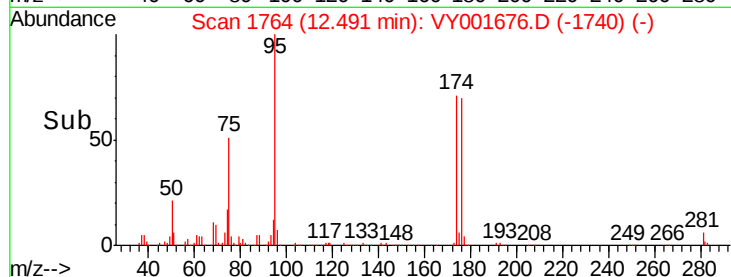
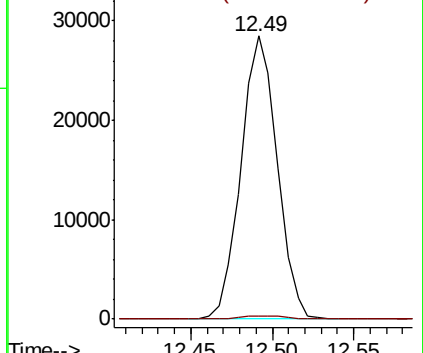
75 100

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: 88.362 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001676.D

Acq: 18 Feb 2020 17:12

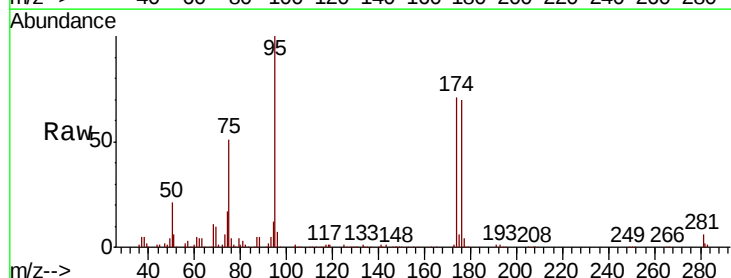
Tgt Ion: 75 Resp: 44187

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.1 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

