

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001684.D
 Acq On : 18 Feb 2020 20:09
 Operator : SY/MD
 Sample : L1547-19
 Misc : 4.29G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Feb 19 06:48:56 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	150685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	276506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	251813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	114292	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	90114	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
35) Dibromofluoromethane	7.75	113	79797	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.20	98	335944	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.50	95	112368	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

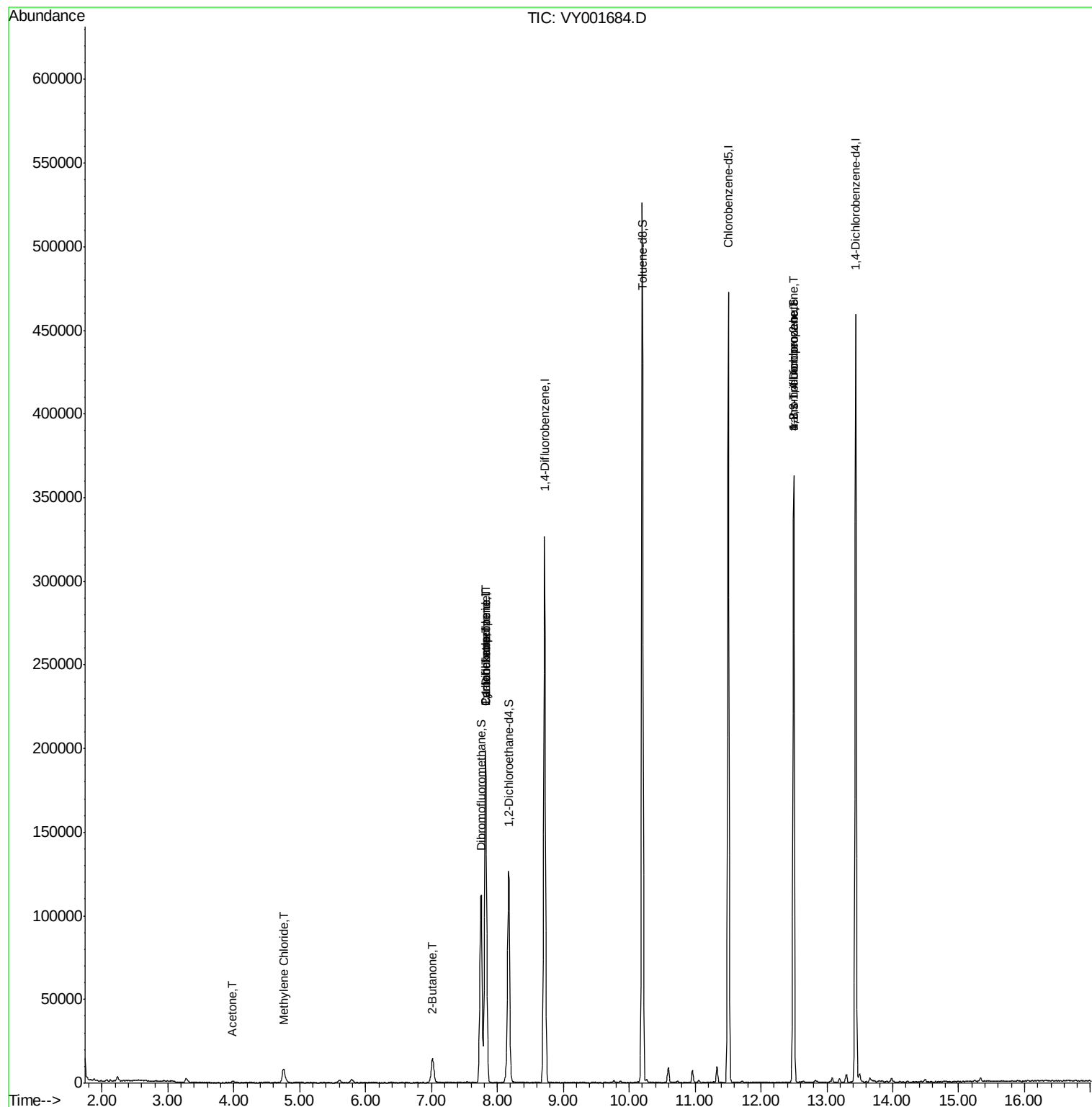
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	101	Below Cal	#	74
16) Acetone	3.99	43	1807	3.222	ug/l #	73
20) Methylene Chloride	4.75	84	6035	3.030	ug/l	94
25) 2-Butanone	7.02	43	863	1.133	ug/l #	48
31) Cyclohexane	7.82	56	3479	1.022	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12206	4.621	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15382	6.630	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	58346	44.502	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58346	84.429	ug/l #	17

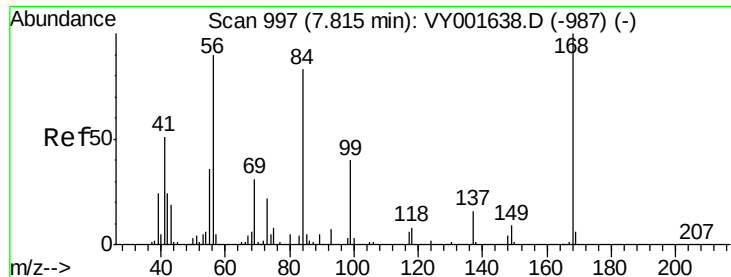
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001684.D

Acq: 18 Feb 2020 20:09

Instrument :

MSVOA_Y

ClientSampleId :

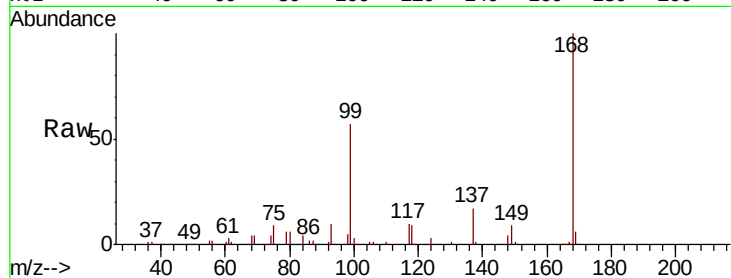
MARCY-GREEN-BH-04-A

Tot Ion:168 Resp: 150685

Ion Ratio Lower Upper

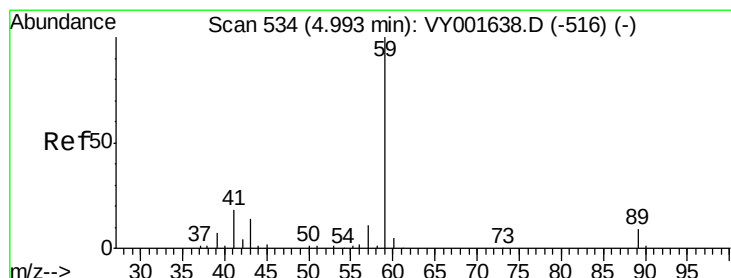
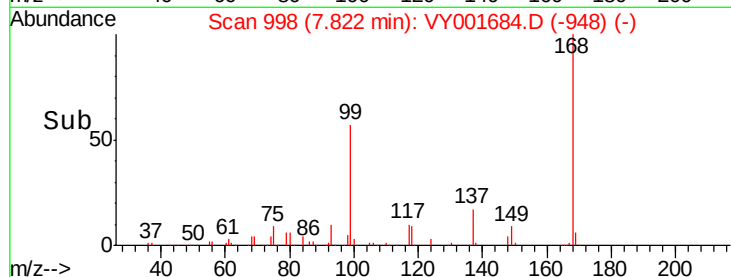
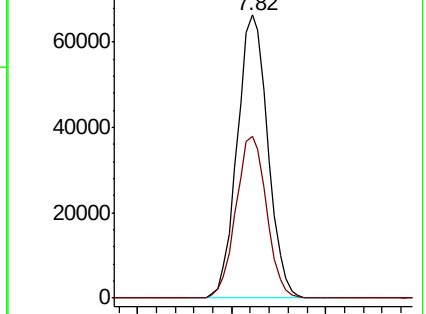
168 100

99 57.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001684.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001684.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001684.D

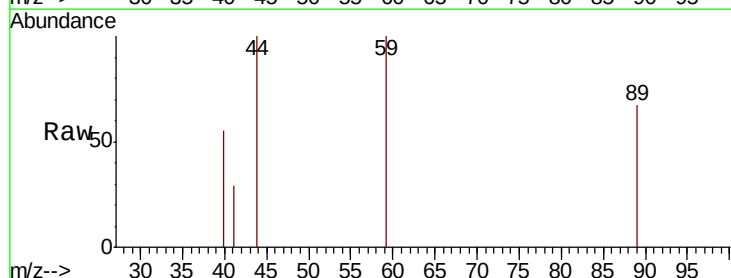
Acq: 18 Feb 2020 20:09

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

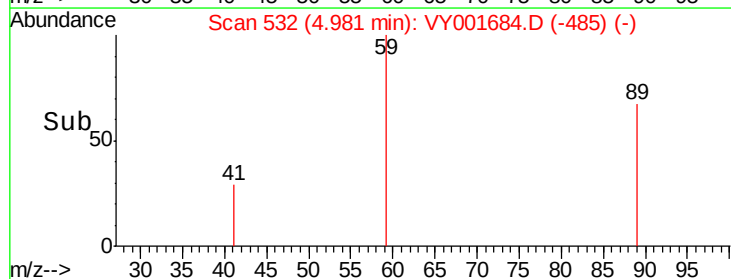
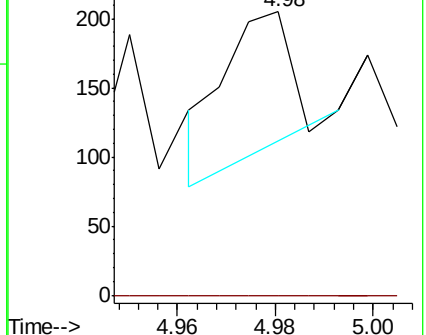
59 100

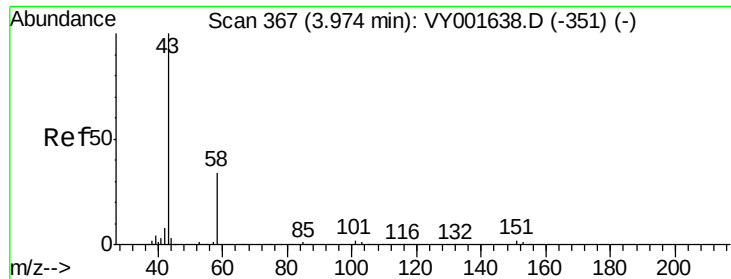
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001684.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001684.D (-485) (-)





#16

Acetone

Concen: 3.222 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001684.D

Acq: 18 Feb 2020 20:09

Instrument :

MSVOA_Y

ClientSampleId :

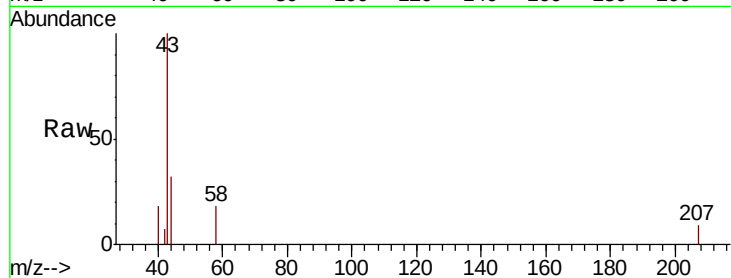
MARCY-GREEN-BH-04-A

Tot Ion: 43 Resp: 1807

Ion Ratio Lower Upper

43 100

58 18.4 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.99

800

600

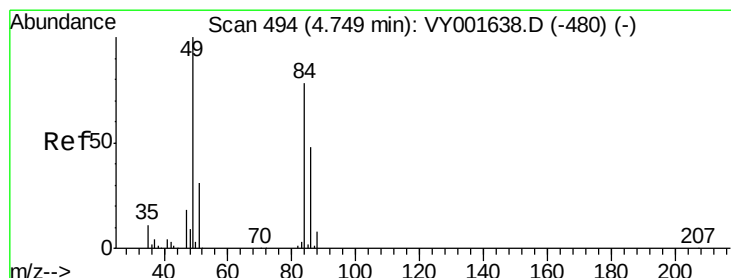
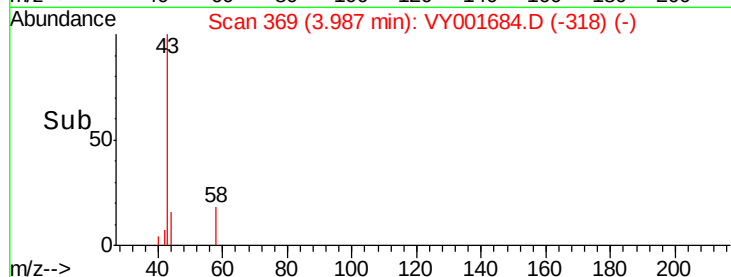
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 3.030 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001684.D

Acq: 18 Feb 2020 20:09

Tgt Ion: 84 Resp: 6035

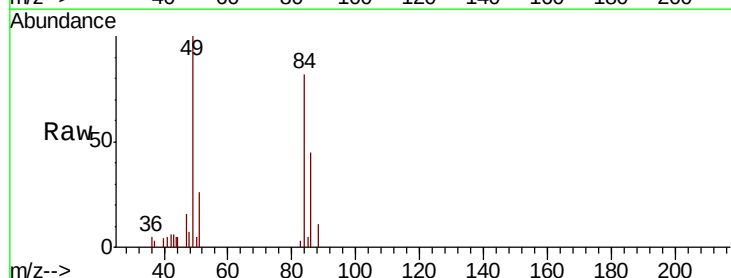
Ion Ratio Lower Upper

84 100

49 122.6 99.2 148.8

51 31.5 31.5 47.3

86 55.5 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

4000

3000

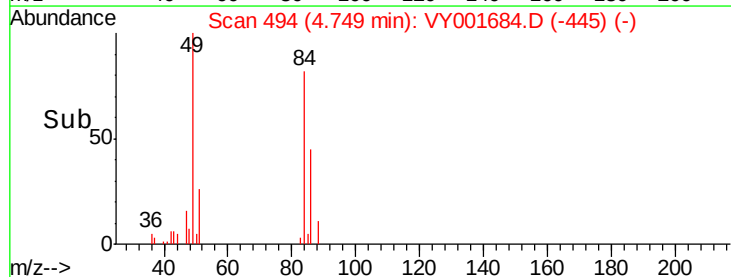
2000

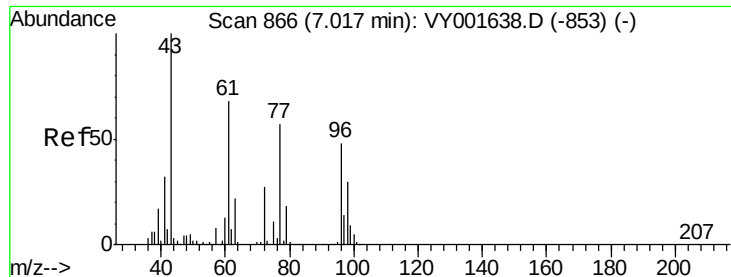
1000

0

4.70 4.75 4.80

Time-->





#25

2-Butanone

Concen: 1.133 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001684.D

Acq: 18 Feb 2020 20:09

Instrument :

MSVOA_Y

ClientSampleId :

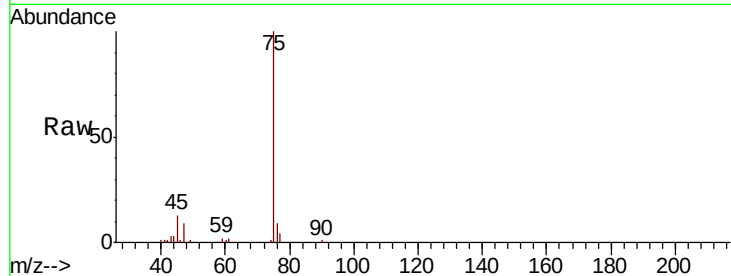
MARCY-GREEN-BH-04-A

Tot Ion: 43 Resp: 863

Ion Ratio Lower Upper

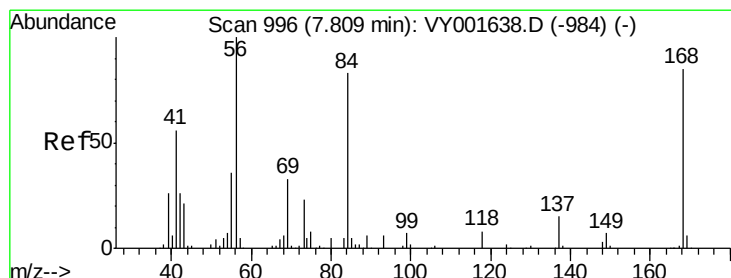
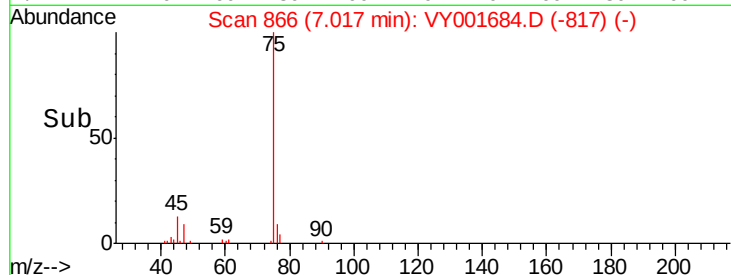
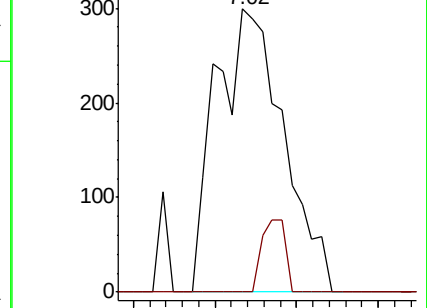
43 100

72 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.022 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001684.D

Acq: 18 Feb 2020 20:09

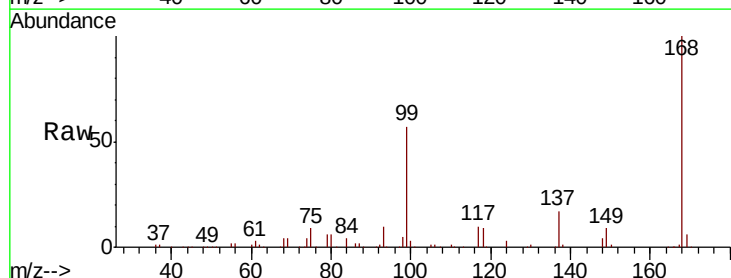
Tgt Ion: 56 Resp: 3479

Ion Ratio Lower Upper

56 100

69 170.9 25.1 37.7#

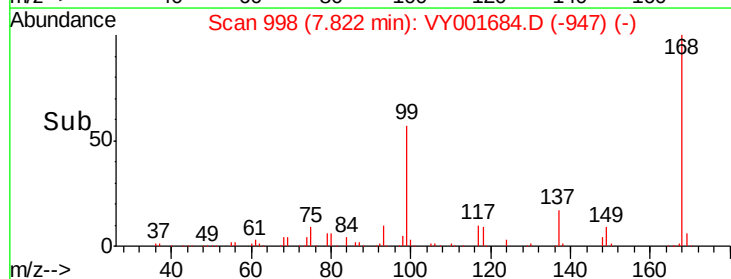
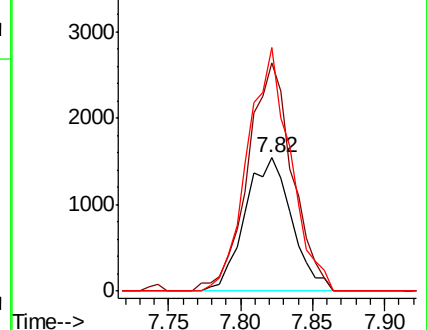
84 182.4 66.9 100.3#

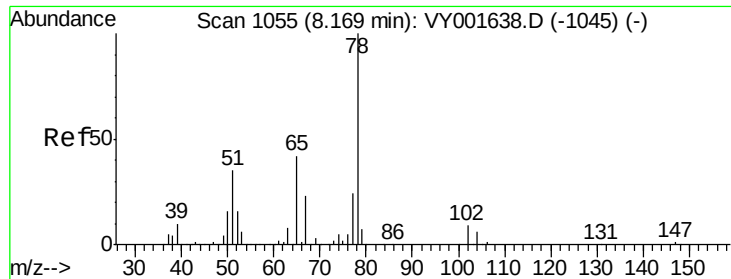


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

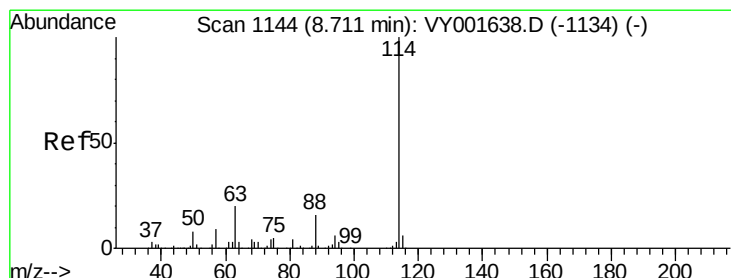
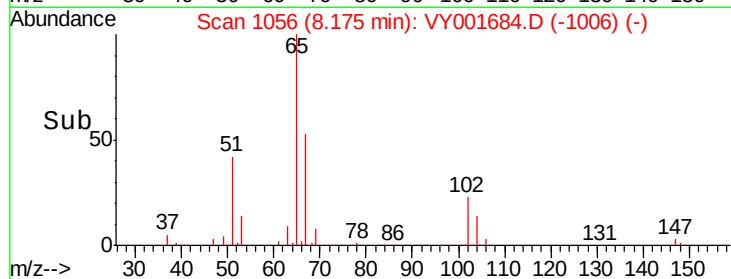
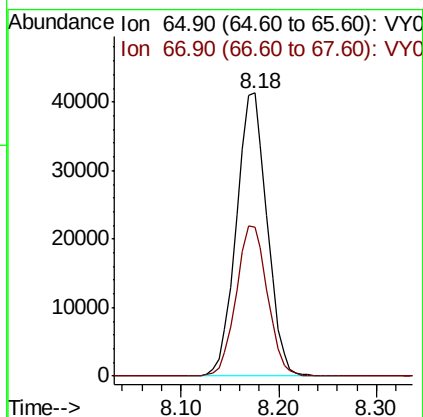
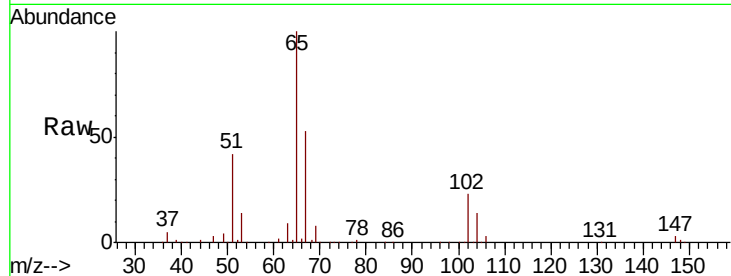




#33
 1,2-Dichloroethane-d4
 Concen: 55.597 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001684.D
 Acq: 18 Feb 2020 20:09

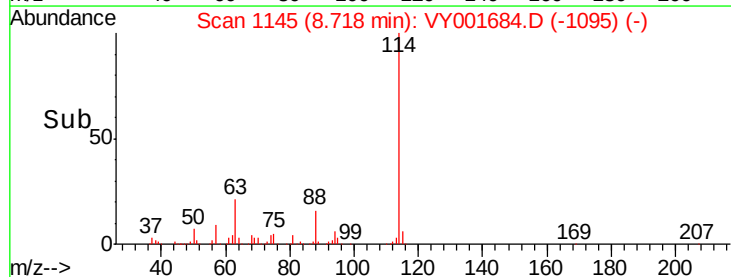
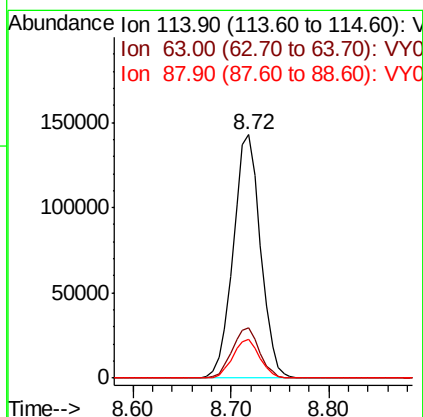
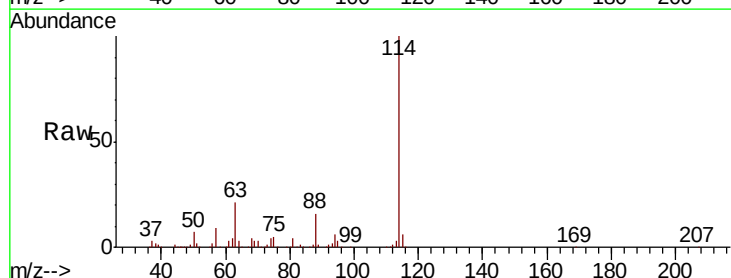
Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-04-A

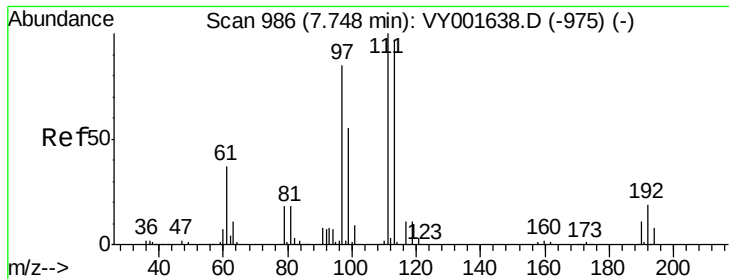
Tot Ion: 65 Resp: 90114
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001684.D
 Acq: 18 Feb 2020 20:09

Tgt Ion: 114 Resp: 276506
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.9 0.0 32.8

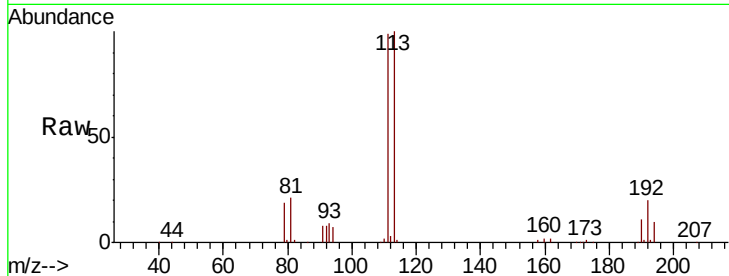




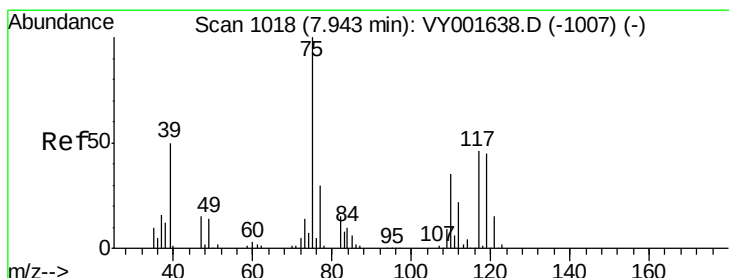
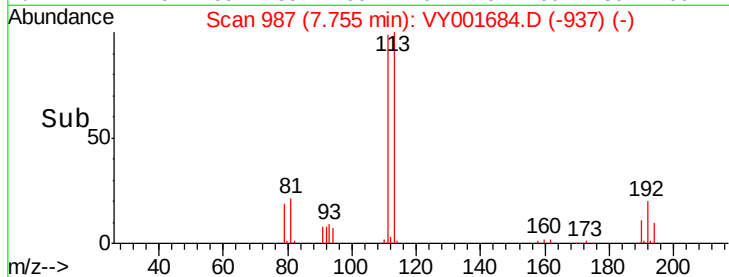
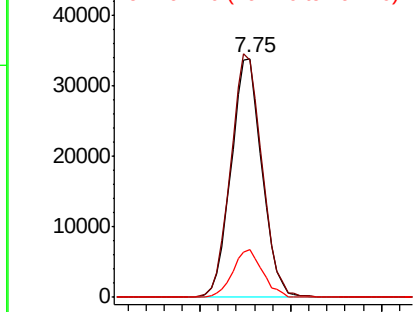
#35
 Dibromofluoromethane
 Concen: 50.386 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001684.D
 Acq: 18 Feb 2020 20:09

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

Tot Ion:113 Resp: 79797
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.9 122.9
 192 19.3 14.3 21.5

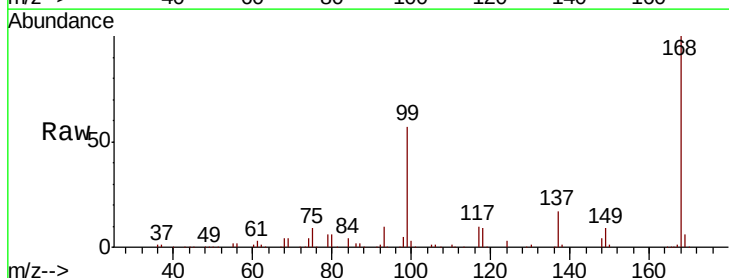


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

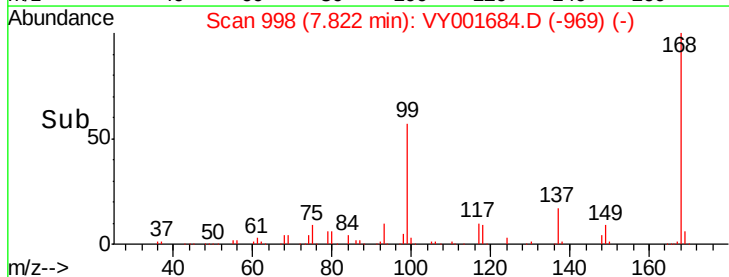
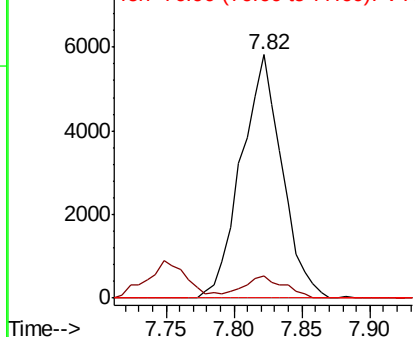


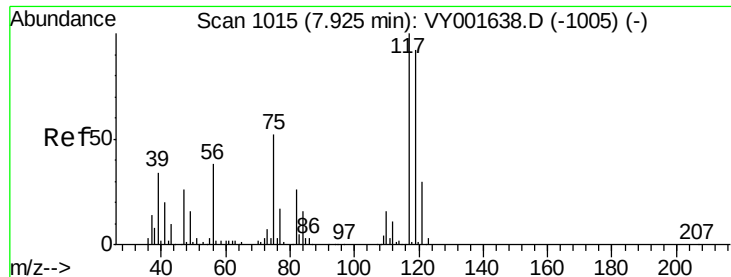
#36
 1,1-Dichloropropene
 Concen: 4.621 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001684.D
 Acq: 18 Feb 2020 20:09

Tgt Ion: 75 Resp: 12206
 Ion Ratio Lower Upper
 75 100
 110 8.9 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: 6.630 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001684.D

Acq: 18 Feb 2020 20:09

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-04-A

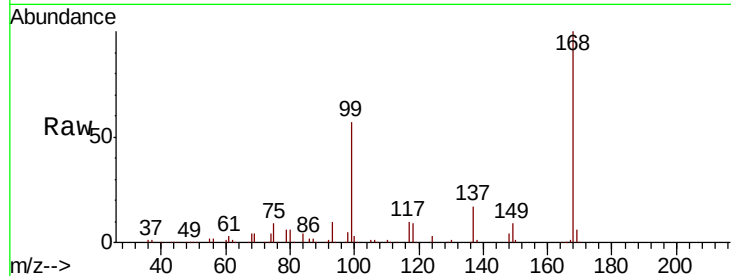
Tot Ion:117 Resp: 15382

Ion Ratio Lower Upper

117 100

119 4.7 74.8 112.2#

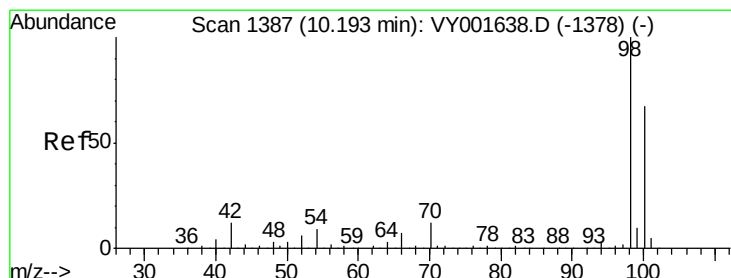
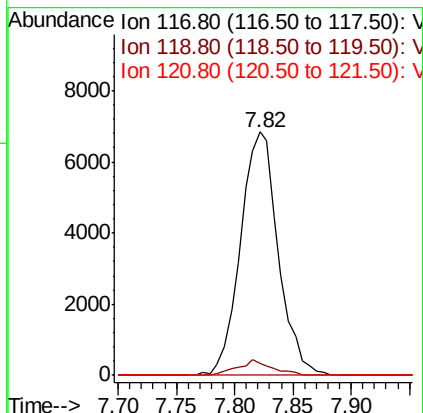
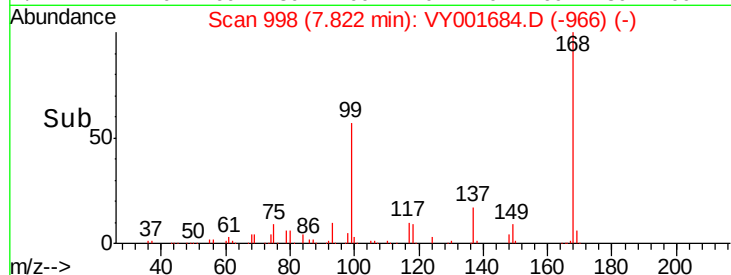
121 0.0 23.8 35.6#



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: 54.145 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001684.D

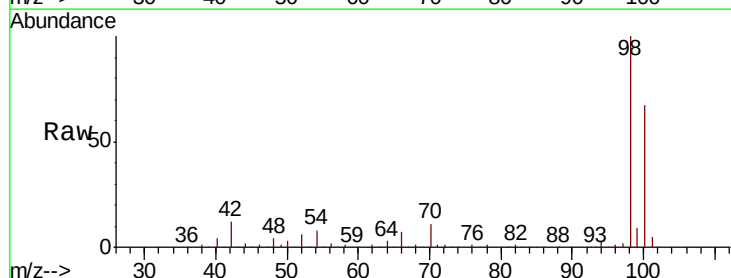
Acq: 18 Feb 2020 20:09

Tgt Ion: 98 Resp: 335944

Ion Ratio Lower Upper

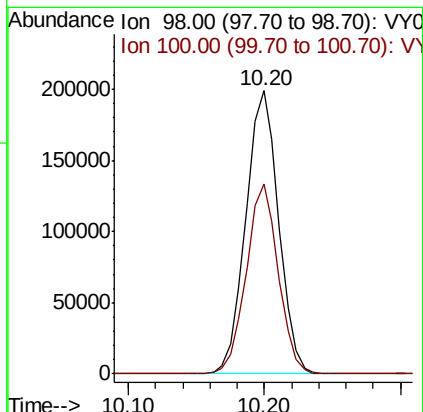
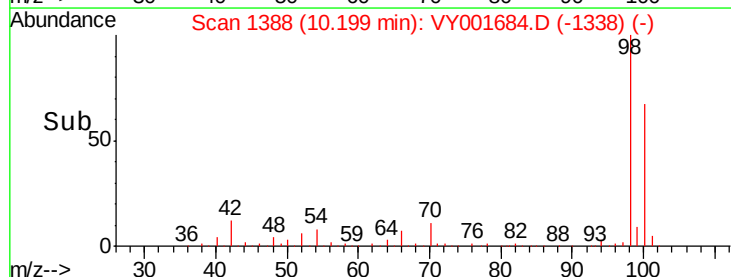
98 100

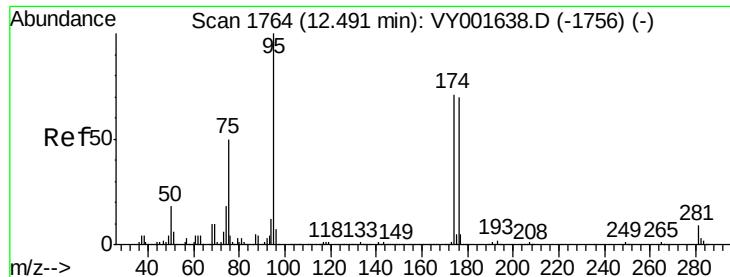
100 65.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

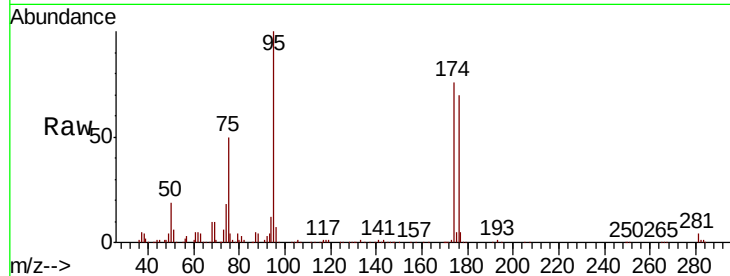




#62
4-Bromofluorobenzene
Concen: 46.618 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001684.D
Acq: 18 Feb 2020 20:09

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

Tot Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	138.4
176	73.5	0.0	131.8

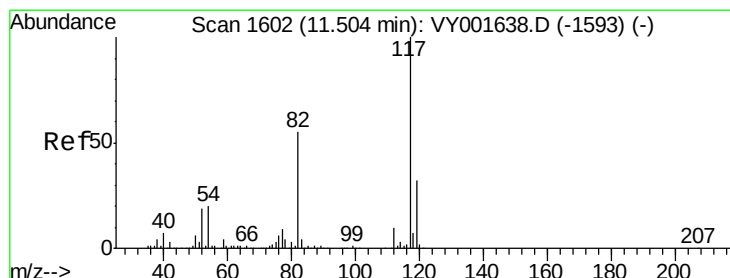
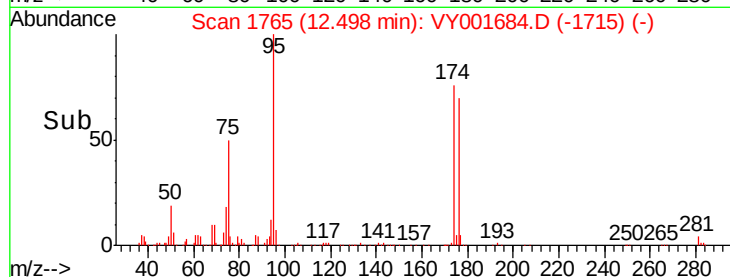
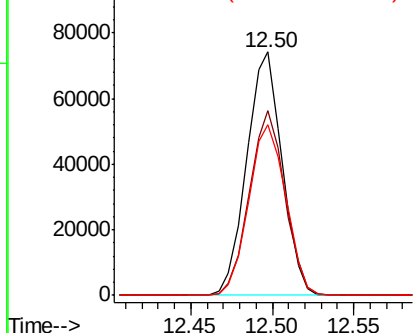


Abundance

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

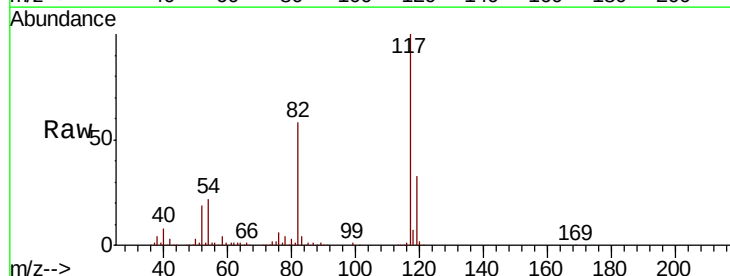
Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

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



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001684.D
Acq: 18 Feb 2020 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.5	68.3
119	32.6	25.8	38.6

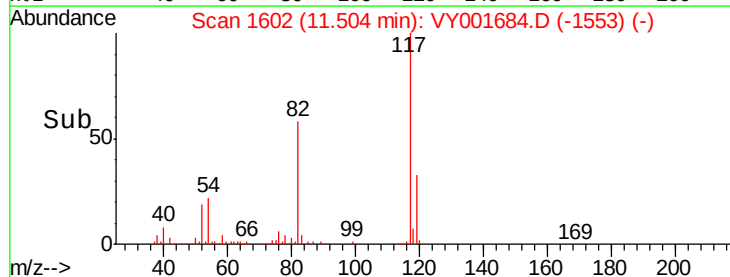
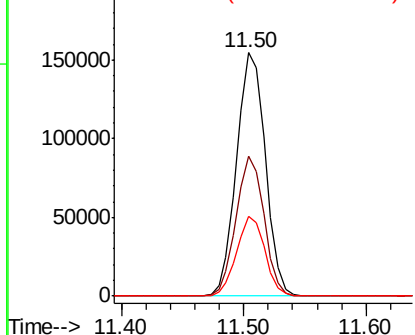


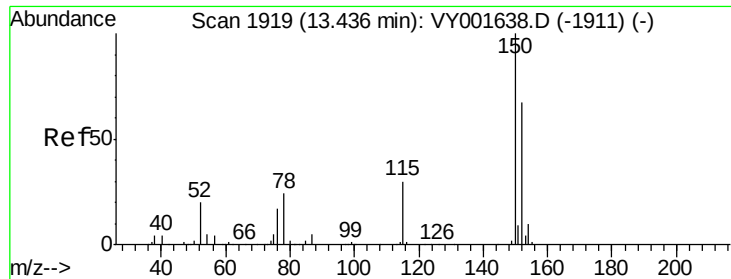
Abundance

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# 1920

Delta R.T. 0.01 min

Lab File: VY001684.D

Acq: 18 Feb 2020 20:09

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-04-A

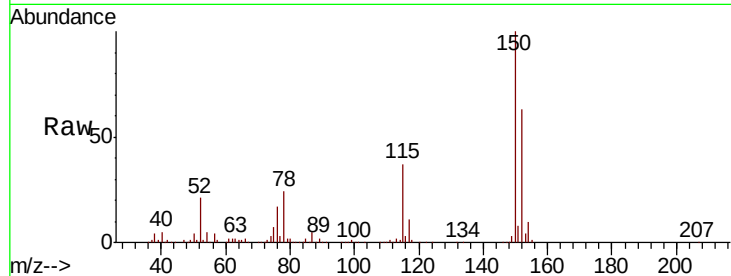
Tot Ion:152 Resp: 114292

Ion Ratio Lower Upper

152 100

115 59.5 31.4 94.2

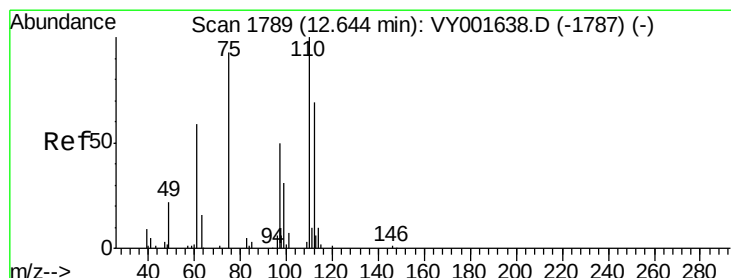
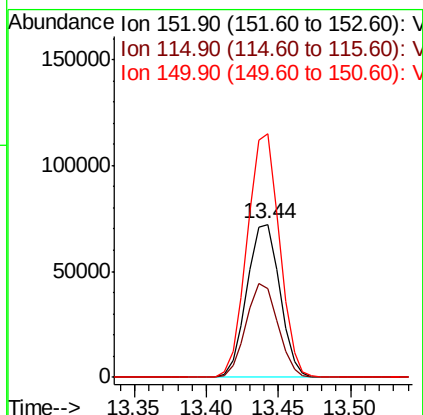
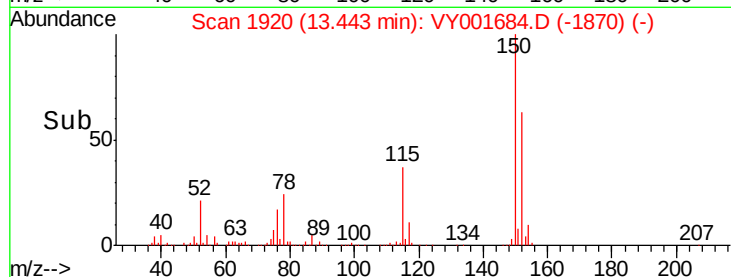
150 155.8 0.0 407.2



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: 44.502 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001684.D

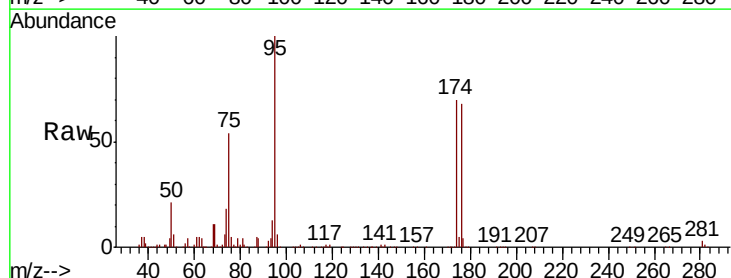
Acq: 18 Feb 2020 20:09

Tgt Ion: 75 Resp: 58346

Ion Ratio Lower Upper

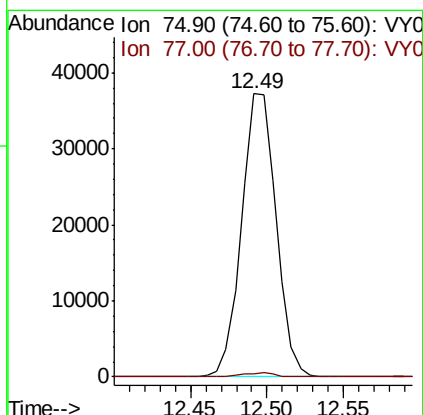
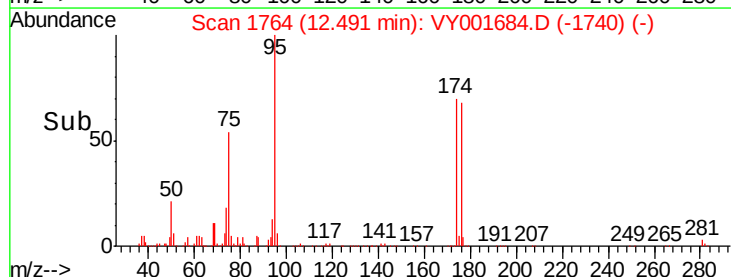
75 100

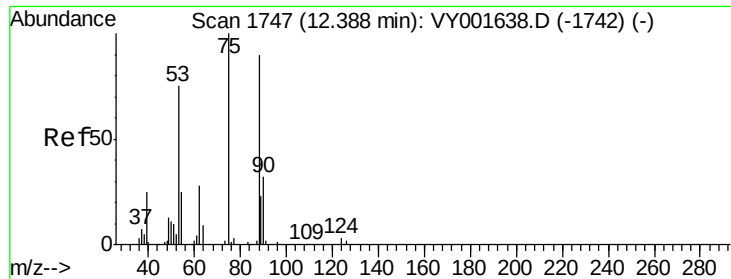
77 1.4 0.0 0.0#



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: 84.429 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001684.D

Acq: 18 Feb 2020 20:09

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-04-A

Tot Ion: 75 Resp: 58346

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#

