

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001677.D
 Acq On : 18 Feb 2020 17:34
 Operator : SY/MD
 Sample : L1547-06
 Misc : 5.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Feb 19 06:47:48 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	152404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	281818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	256308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115293	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	93227	56.87	ug/l	0.00
Spiked Amount			Recovery	=	113.74%	
35) Dibromofluoromethane	7.75	113	81965	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.19	98	337609	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.49	95	115532	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	

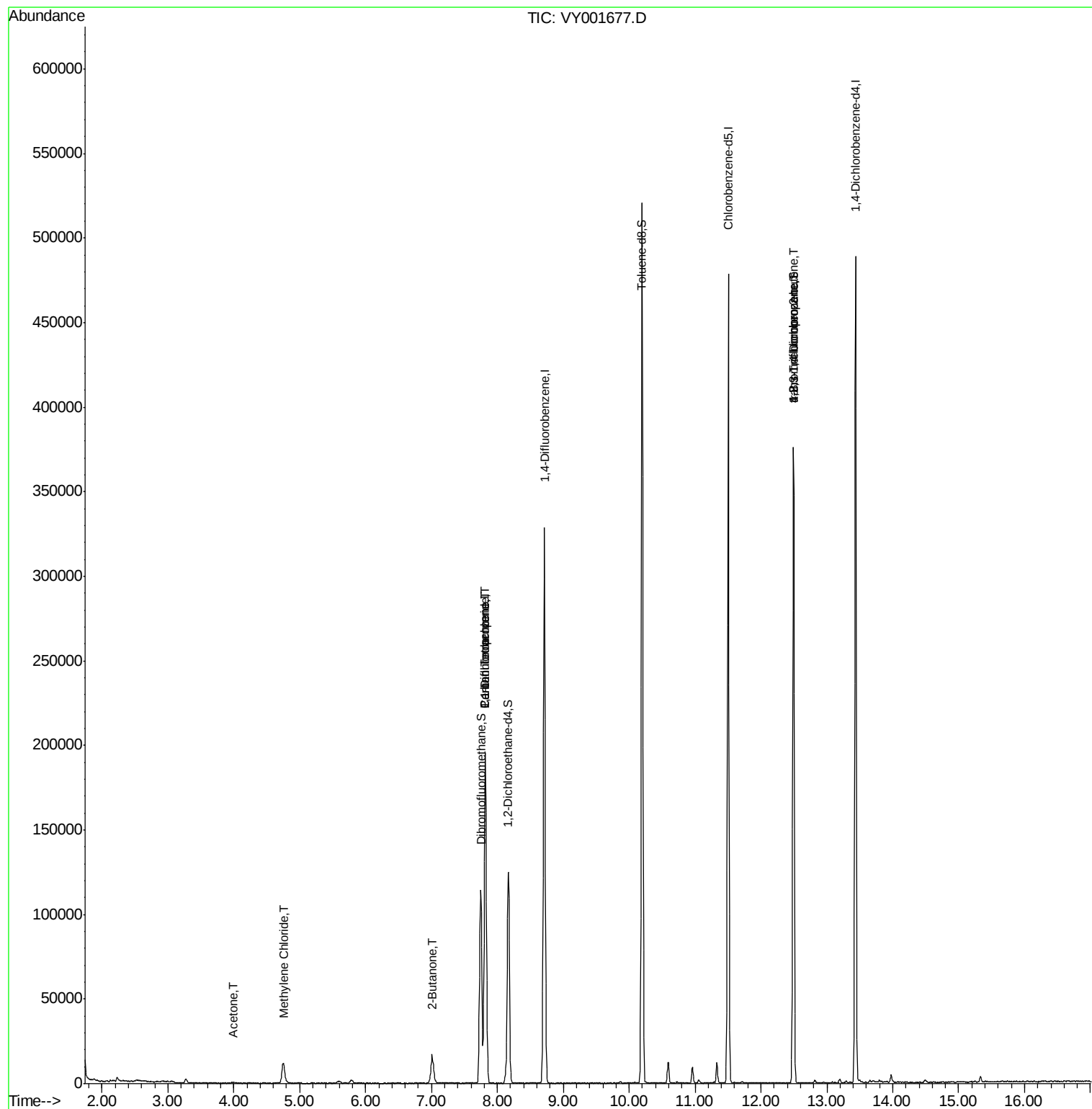
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	214	Below Cal	#	74
16) Acetone	3.99	43	1170	2.063	ug/l	90
20) Methylene Chloride	4.75	84	8556	4.247	ug/l	94
25) 2-Butanone	7.01	43	1062	1.378	ug/l #	48
36) 1,1-Dichloropropene	7.82	75	12783	4.749	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15045	6.363	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	59354	44.878	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	59354	85.141	ug/l #	17

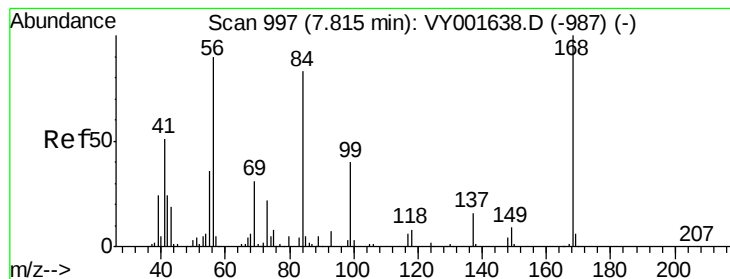
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001677.D

Acq: 18 Feb 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

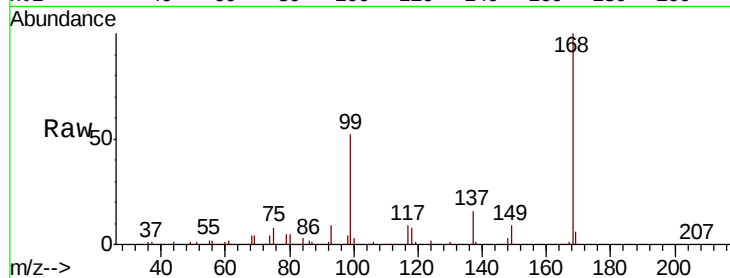
MARCY-GREEN-BH-01-C

Tot Ion:168 Resp: 152404

Ion Ratio Lower Upper

168 100

99 52.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001677.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001677.D (-948) (-)

7.82

60000

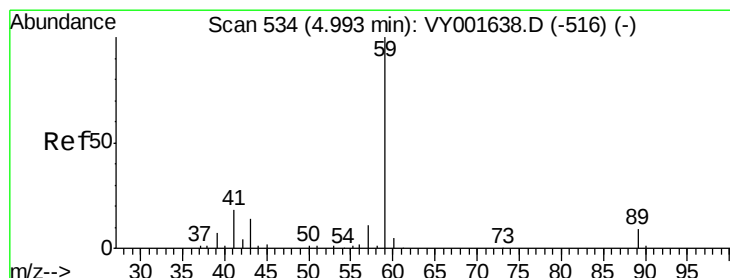
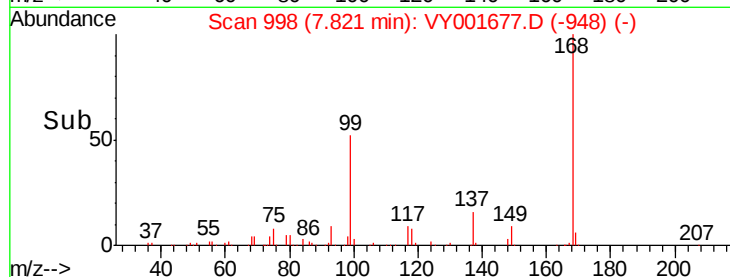
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001677.D

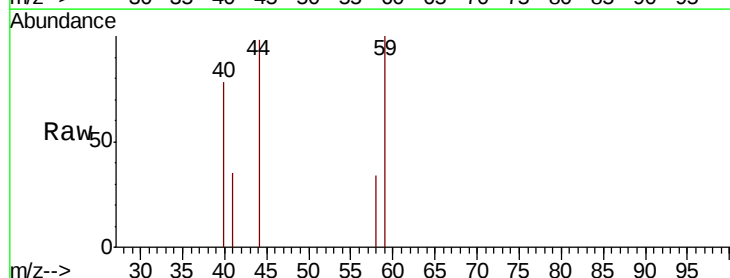
Acq: 18 Feb 2020 17:34

Tgt Ion: 59 Resp: 214

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001677.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001677.D (-485) (-)

4.97

250

200

150

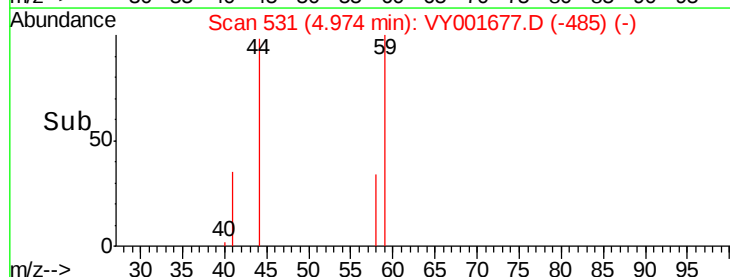
100

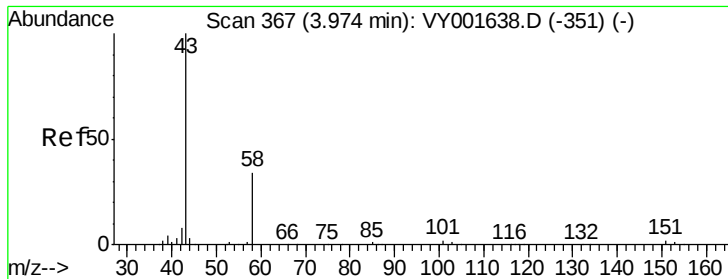
50

0

Time-->

4.94 4.96 4.98





#16

Acetone

Concen: 2.063 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001677.D

Acq: 18 Feb 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

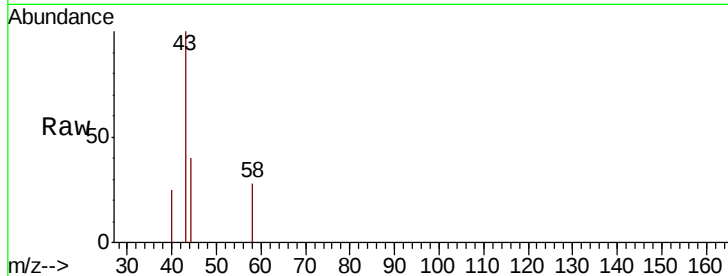
MARCY-GREEN-BH-01-C

Tot Ion: 43 Resp: 1170

Ion Ratio Lower Upper

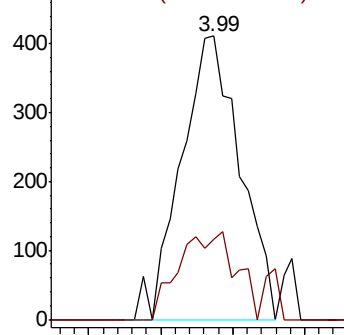
43 100

58 28.5 27.3 40.9

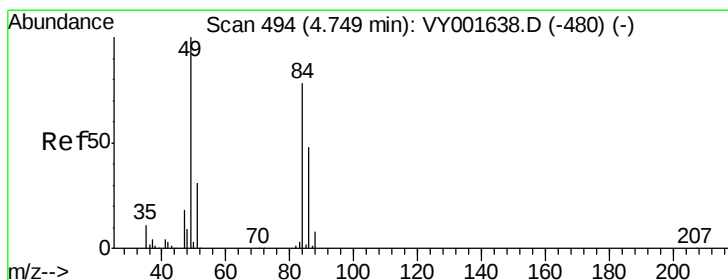
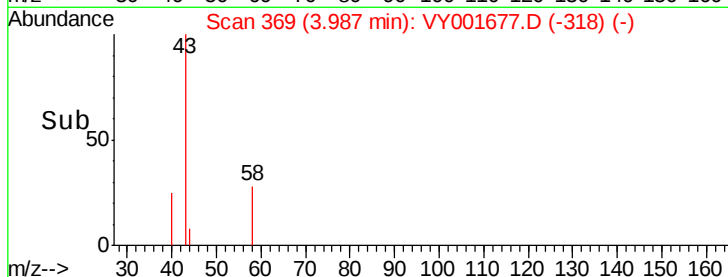


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: 4.247 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001677.D

Acq: 18 Feb 2020 17:34

Tgt Ion: 84 Resp: 8556

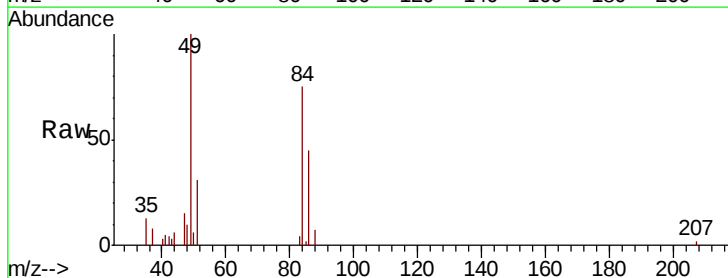
Ion Ratio Lower Upper

84 100

49 133.5 99.2 148.8

51 41.7 31.5 47.3

86 60.6 51.0 76.6

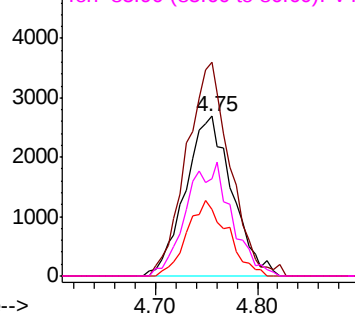


Abundance Ion 83.90 (83.60 to 84.60): VY0

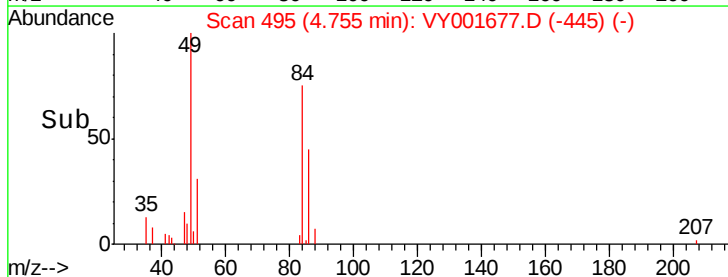
Ion 48.90 (48.60 to 49.60): VY0

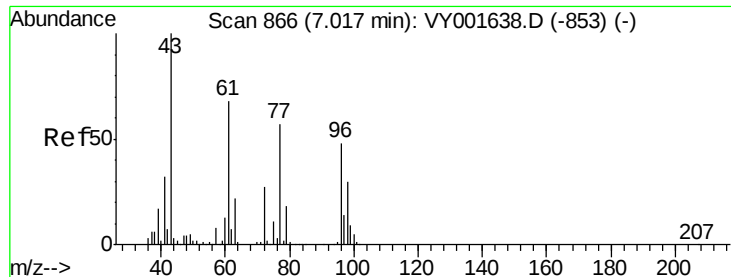
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->





#25

2-Butanone

Concen: 1.378 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001677.D

Acq: 18 Feb 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

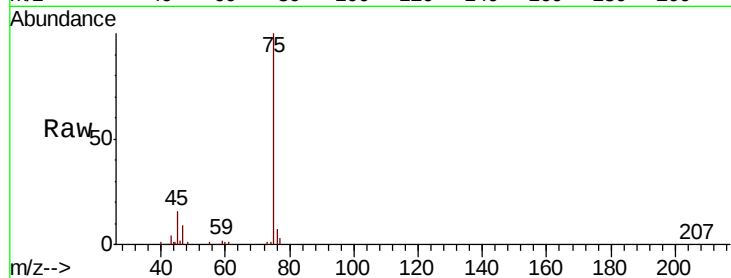
MARCY-GREEN-BH-01-C

Tot Ion: 43 Resp: 1062

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

7.01

400

300

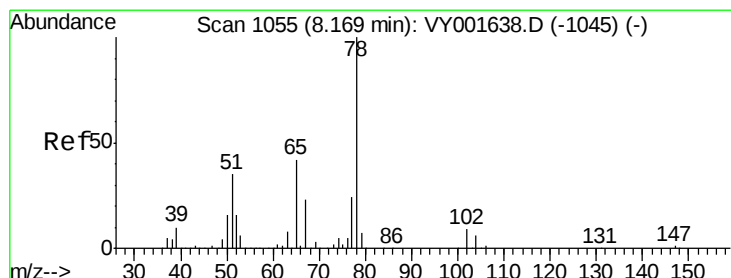
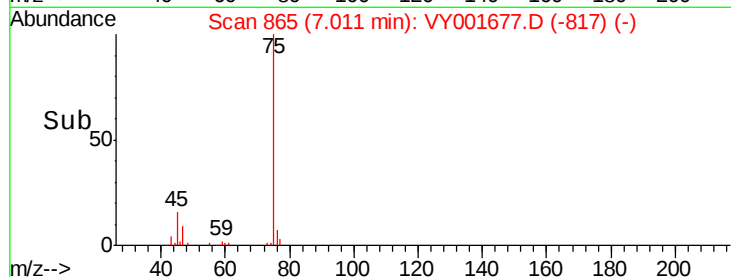
200

100

0

6.95 7.00 7.05 7.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.869 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY001677.D

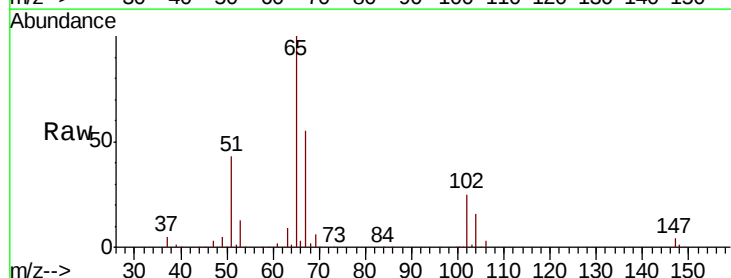
Acq: 18 Feb 2020 17:34

Tgt Ion: 65 Resp: 93227

Ion Ratio Lower Upper

65 100

67 53.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.17

40000

30000

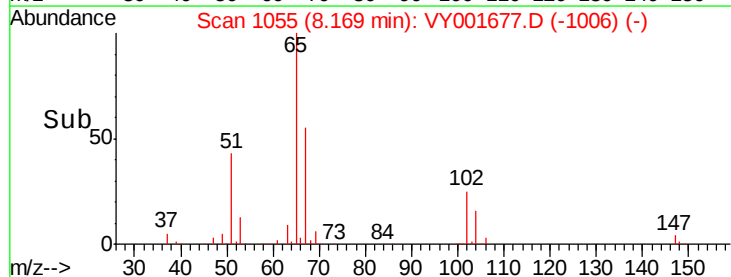
20000

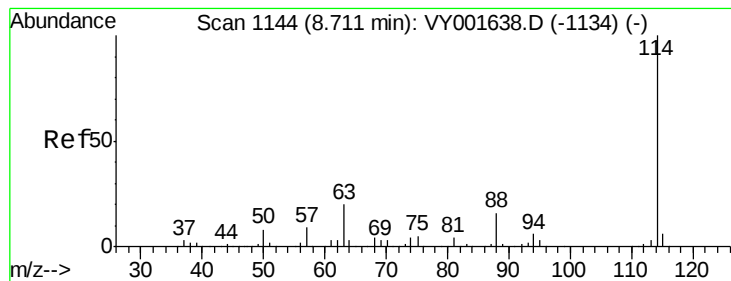
10000

0

8.10 8.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001677.D

Acq: 18 Feb 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

MARCY-GREEN-BH-01-C

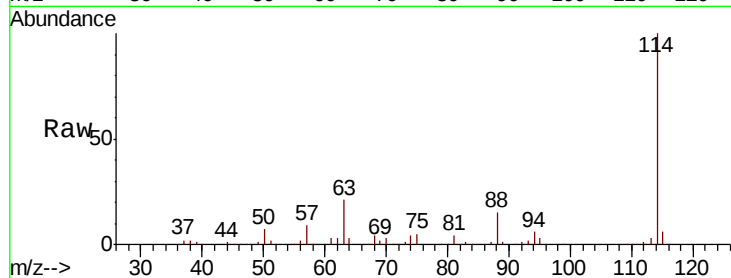
Tot Ion:114 Resp: 281818

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.4

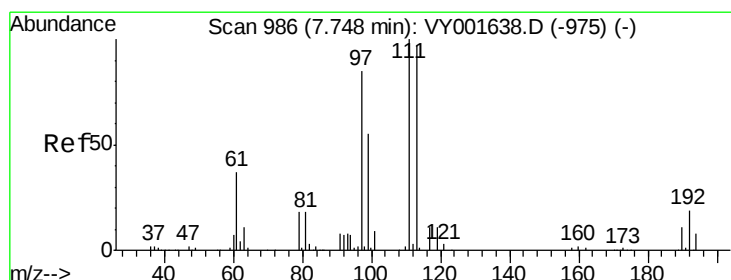
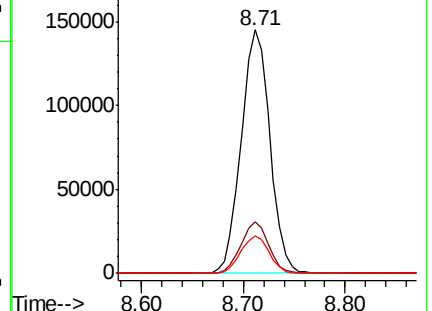
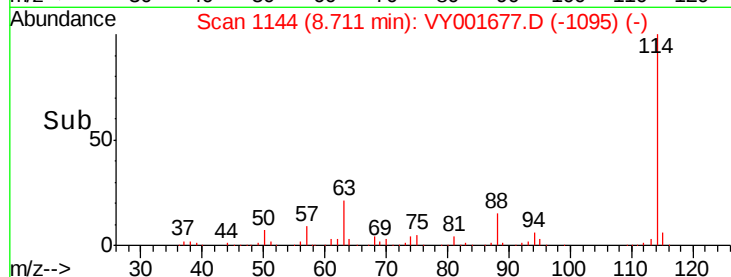
88 15.4 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 50.780 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001677.D

Acq: 18 Feb 2020 17:34

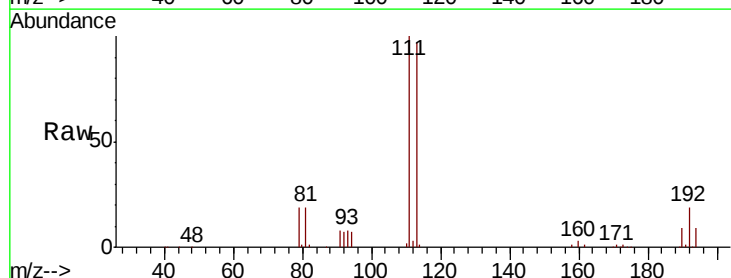
Tgt Ion:113 Resp: 81965

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

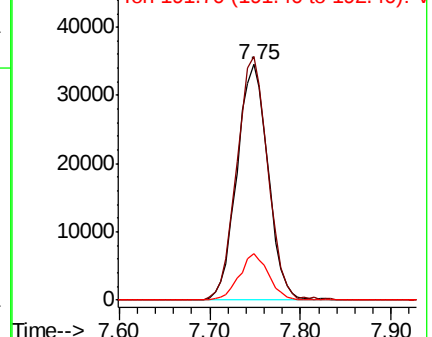
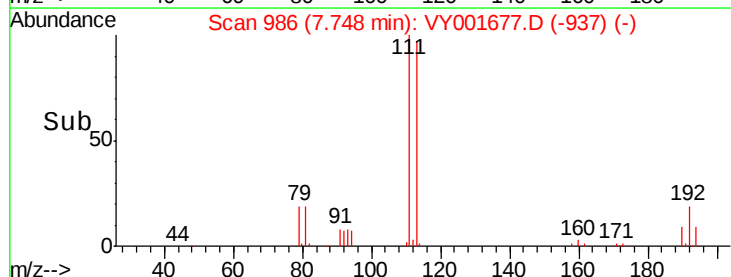
192 18.2 14.3 21.5

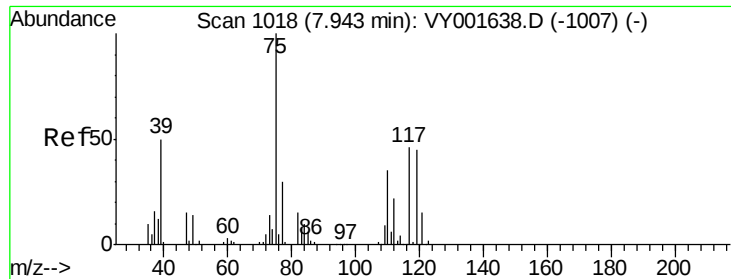


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

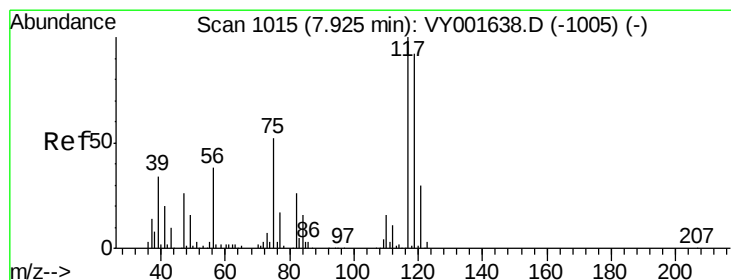
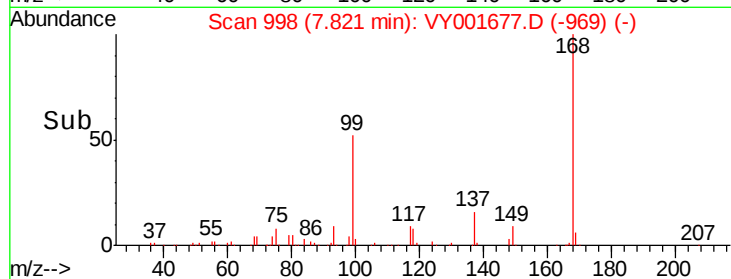
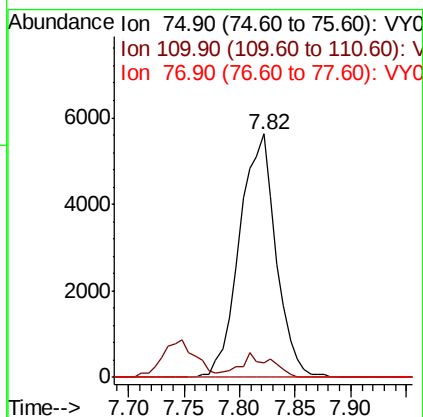
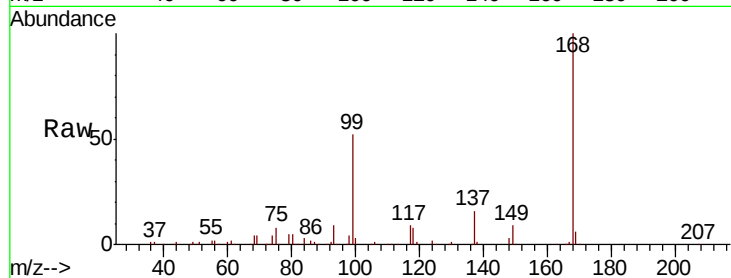




#36
 1,1-Dichloropropene
 Concen: 4.749 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001677.D
 Acq: 18 Feb 2020 17:34

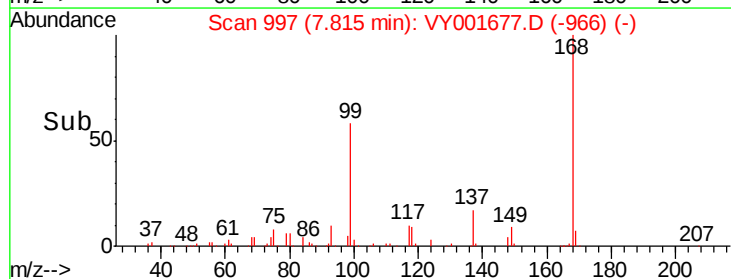
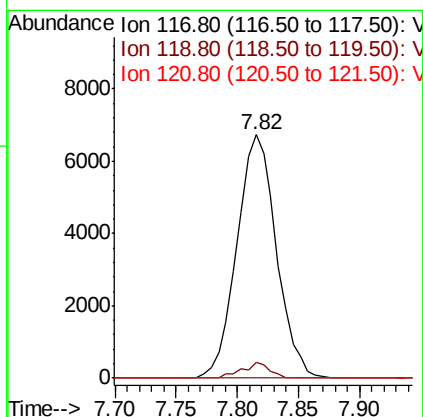
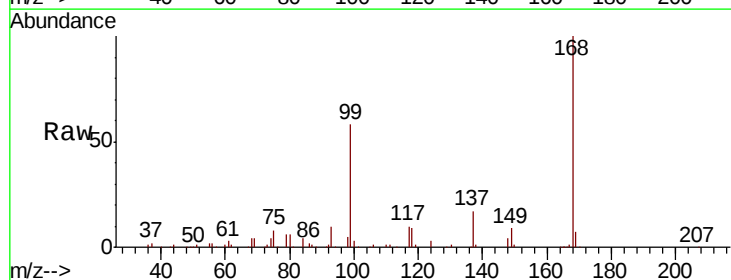
Instrument :
 MSVOA_Y
 ClientSampleId :
 MARCY-GREEN-BH-01-C

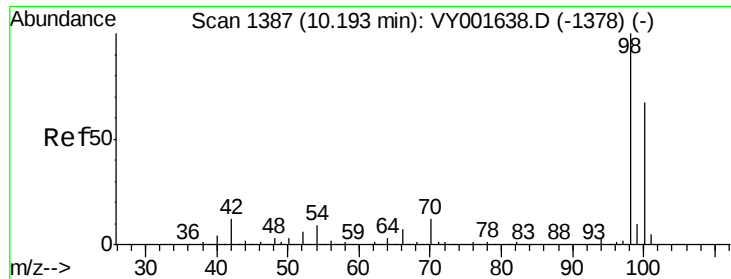
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.363 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001677.D
 Acq: 18 Feb 2020 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.388 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001677.D

Acq: 18 Feb 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

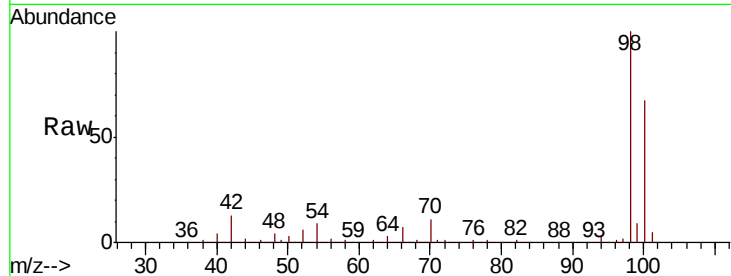
MARCY-GREEN-BH-01-C

Tot Ion: 98 Resp: 337609

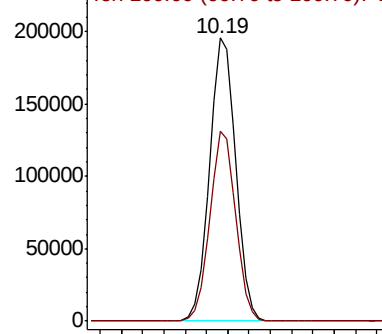
Ion Ratio Lower Upper

98 100

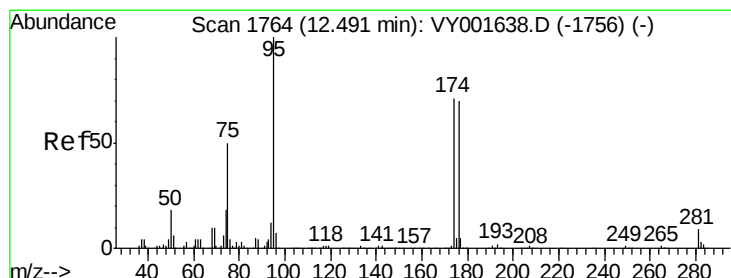
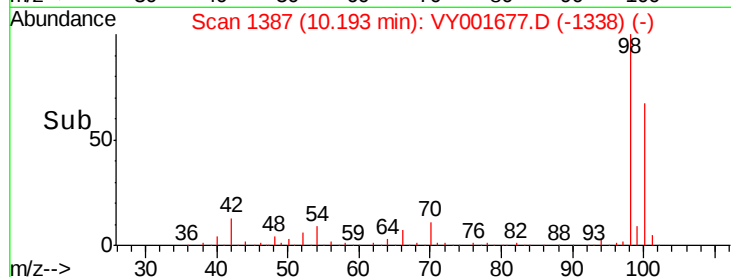
100 66.3 53.0 79.4



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



Time-->



#62

4-Bromofluorobenzene

Concen: 47.028 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001677.D

Acq: 18 Feb 2020 17:34

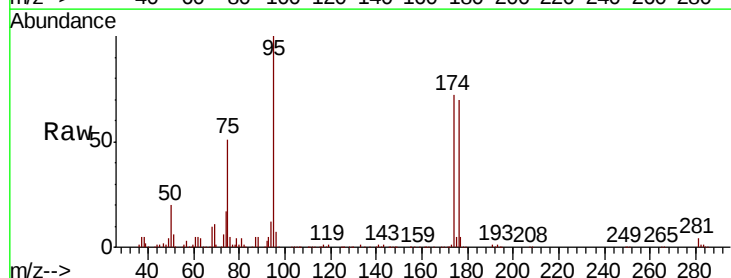
Tgt Ion: 95 Resp: 115532

Ion Ratio Lower Upper

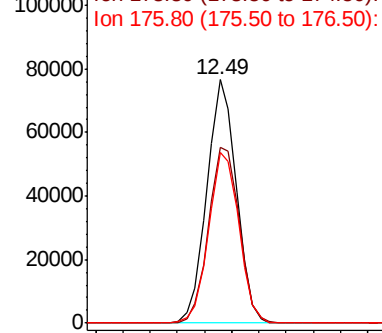
95 100

174 76.0 0.0 138.4

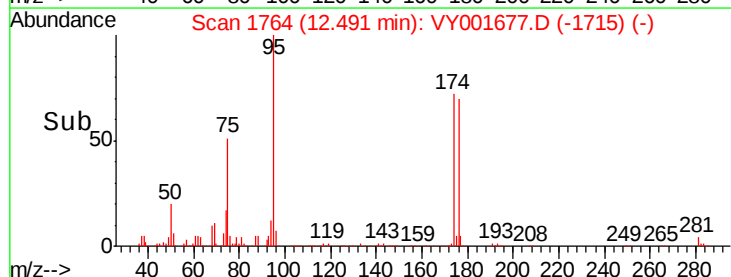
176 71.9 0.0 131.8

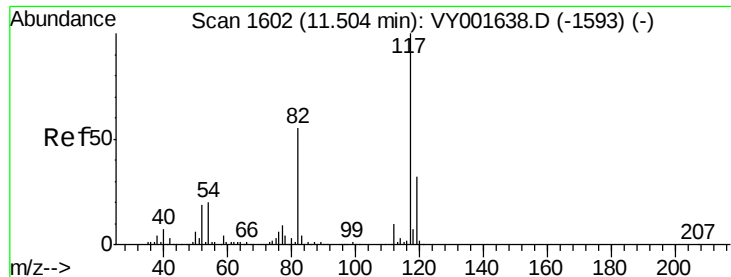


Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)



Time-->

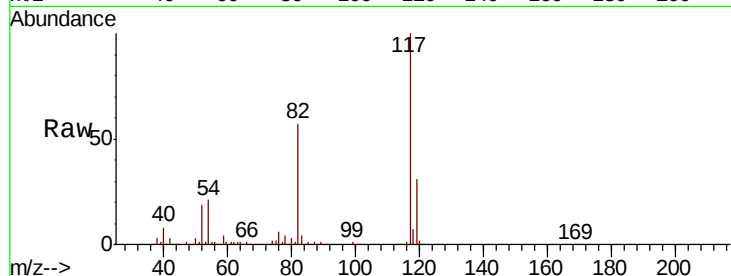




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001677.D
Acq: 18 Feb 2020 17:34

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.5	68.3
119	31.5	25.8	38.6

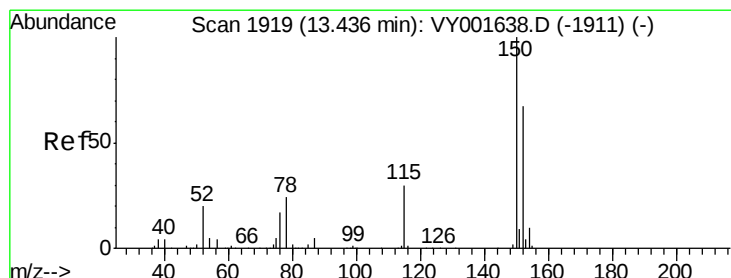
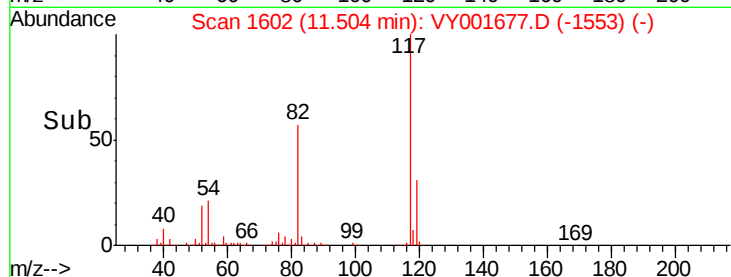
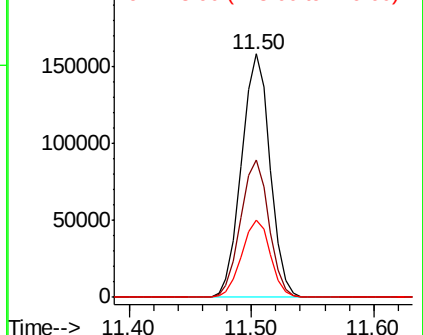


Abundance

Ion 116.90 (116.60 to 117.60): V

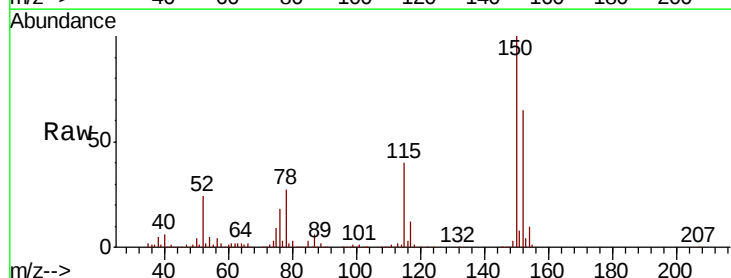
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001677.D
Acq: 18 Feb 2020 17:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.4	94.2
150	157.7	0.0	407.2

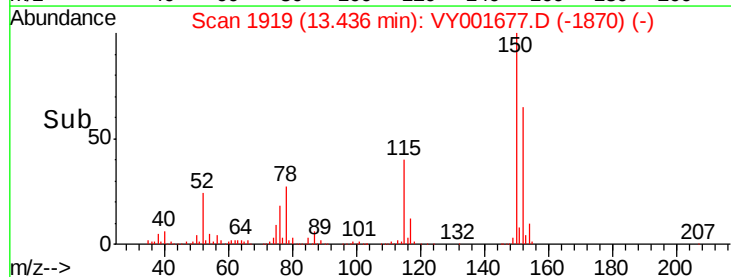
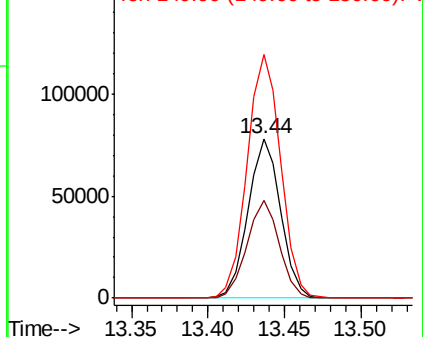


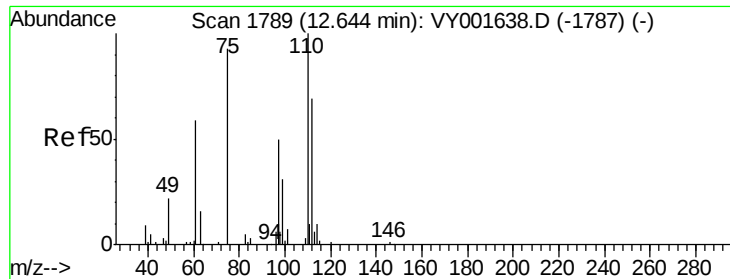
Abundance

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

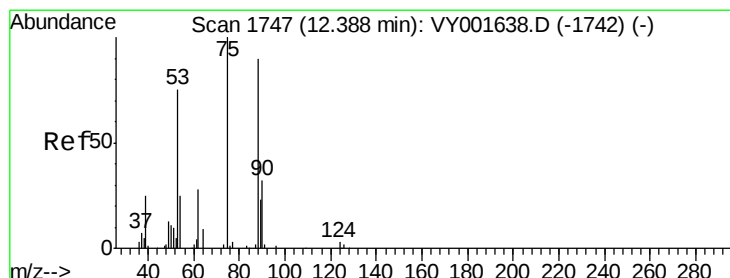
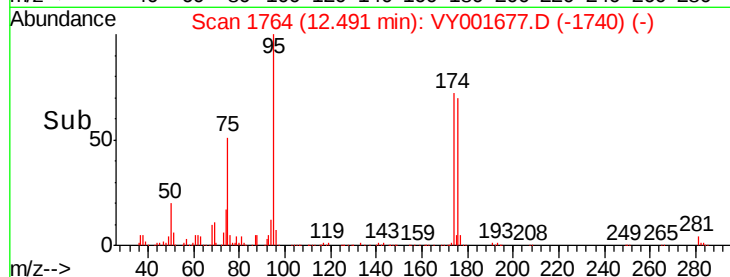
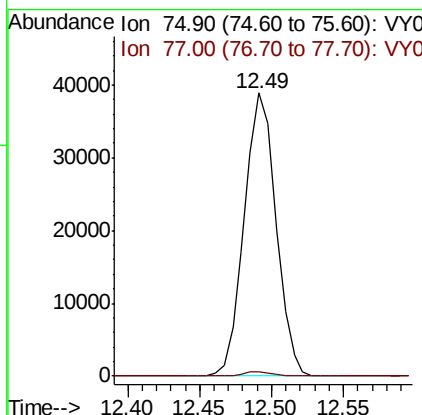
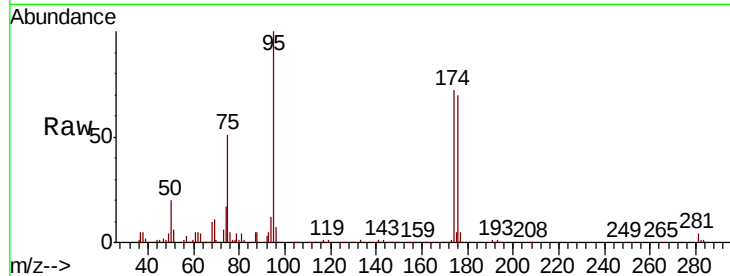




#76
 1,2,3-Trichloropropane
 Concen: 44.878 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001677.D
 Acq: 18 Feb 2020 17:34

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

Tot Ion: 75 Resp: 59354
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.141 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001677.D
 Acq: 18 Feb 2020 17:34

Tgt Ion: 75 Resp: 59354
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.1 36.3 54.5#

