

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003488.D
 Acq On : 03 Nov 2020 13:39
 Operator : SY/MD
 Sample : L4541-07RE
 Misc : 4.50G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20-105RE

Quant Time: Nov 04 00:23:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	41152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	64015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	52125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	21033	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	22525	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
35) Dibromofluoromethane	7.73	113	20441	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
50) Toluene-d8	10.18	98	74627	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
62) 4-Bromofluorobenzene	12.48	95	19602	36.51	ug/l	0.00
Spiked Amount			Recovery	=	73.02%	

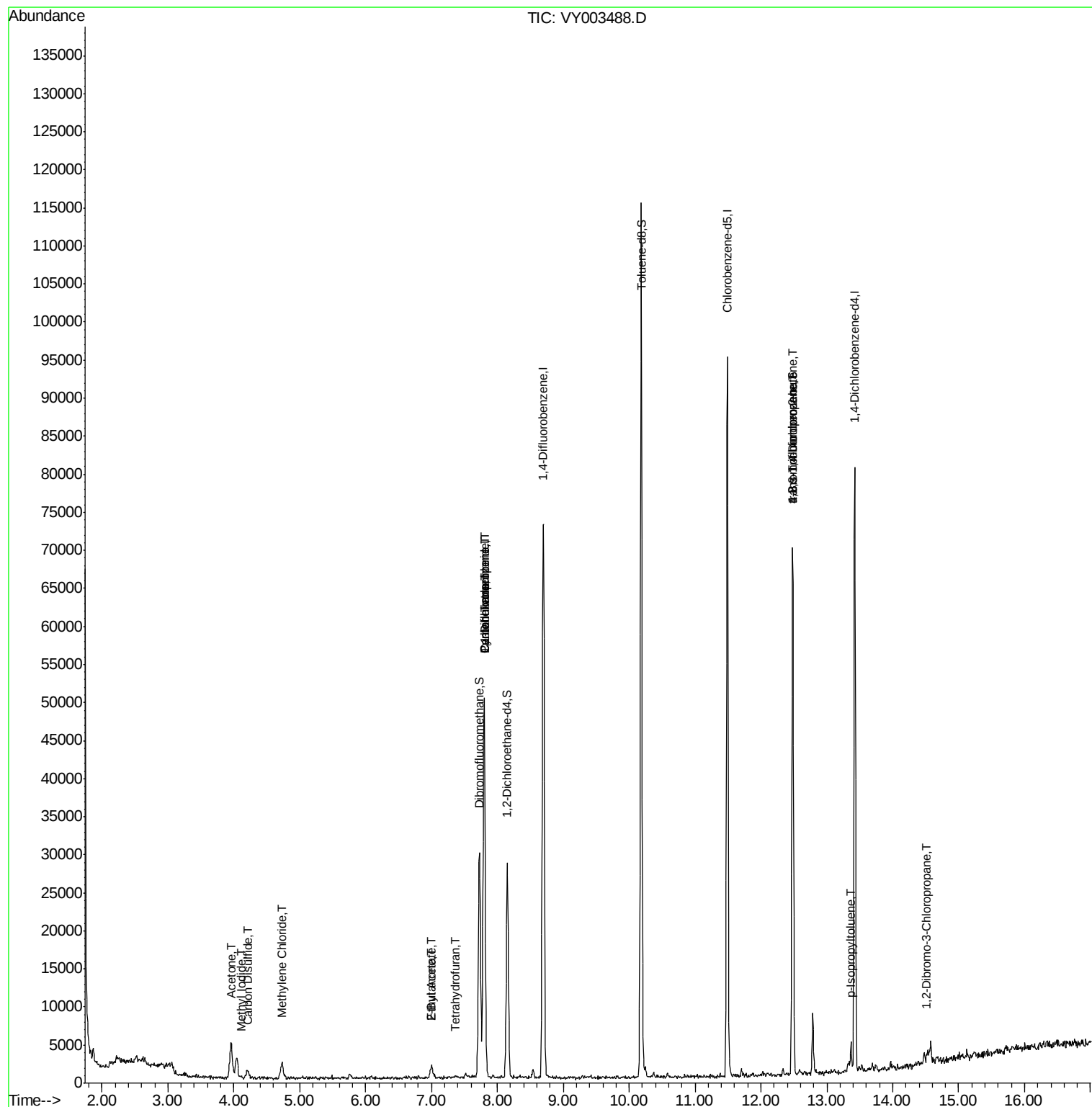
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	368	5.569	ug/l #	58
16) Acetone	3.96	43	8272	59.437	ug/l	94
17) Carbon Disulfide	4.21	76	1881	1.729	ug/l	99
20) Methylene Chloride	4.73	84	1405	3.585	ug/l	83
25) 2-Butanone	7.00	43	2007	11.530	ug/l #	76
29) Tetrahydrofuran	7.36	42	260	2.859	ug/l #	35
31) Cyclohexane	7.80	56	804	1.271	ug/l #	4
36) 1,1-Dichloropropene	7.80	75	2977	4.932	ug/l #	49
37) Ethyl Acetate	7.00	43	2007	5.355	ug/l #	69
38) Carbon Tetrachloride	7.80	117	3752	5.992	ug/l #	20
76) 1,2,3-Trichloropropane	12.48	75	10397	46.719	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	10397	97.510	ug/l #	12
86) p-Isopropyltoluene	13.37	119	2201	1.736	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.52	75	72	1.355	ug/l #	1

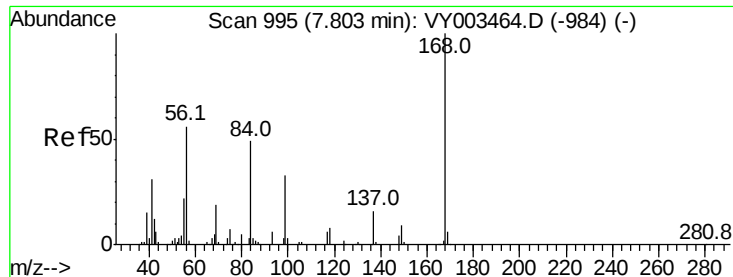
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

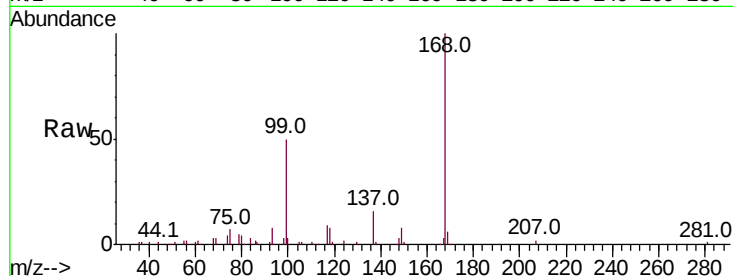
20-105RE

Tot Ion:168 Resp: 41152

Ion Ratio Lower Upper

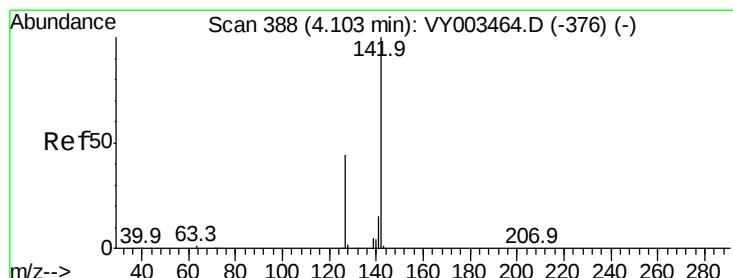
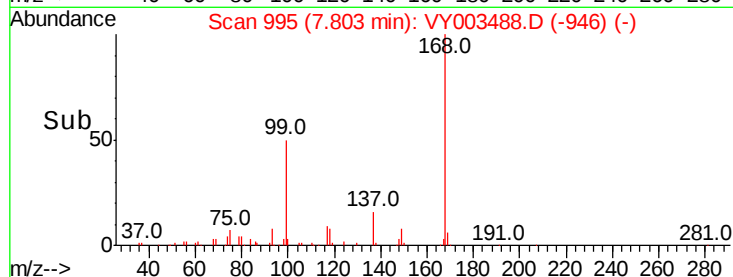
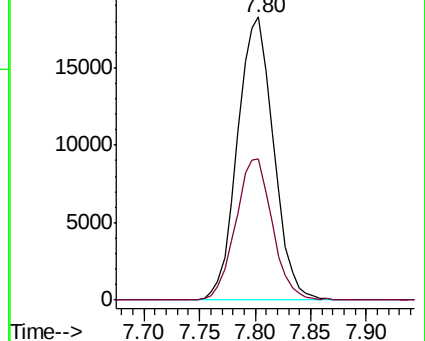
168 100

99 50.0 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 5.569 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

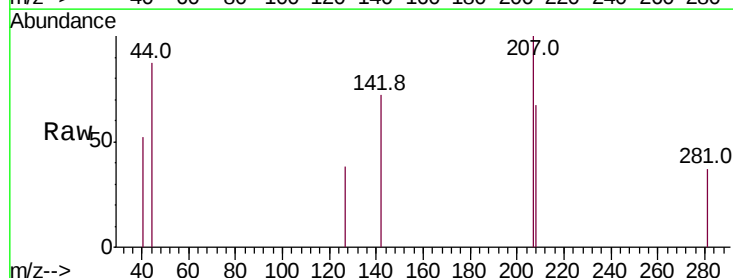
Tgt Ion:142 Resp: 368

Ion Ratio Lower Upper

142 100

127 14.9 34.5 51.7#

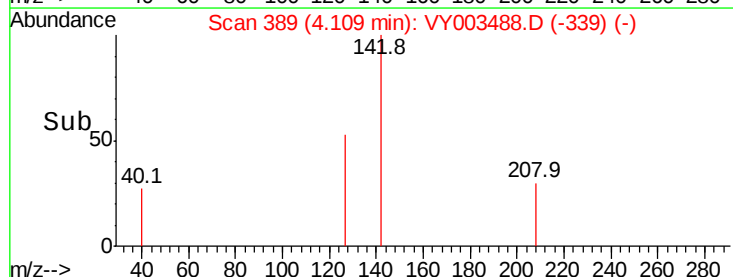
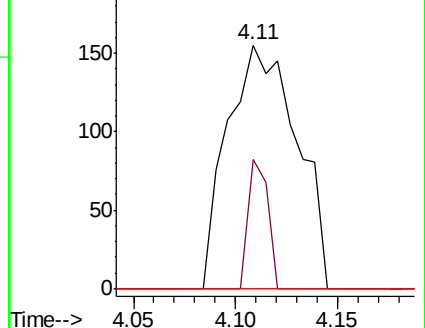
141 0.0 11.8 17.8#

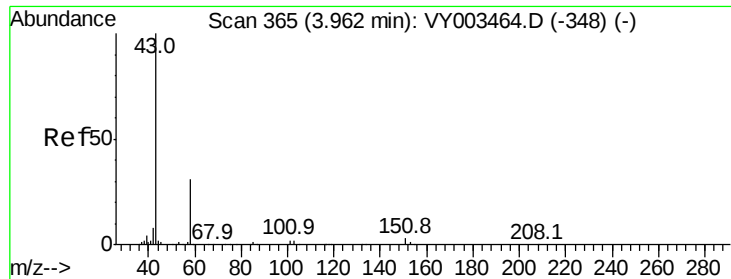


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 59.437 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

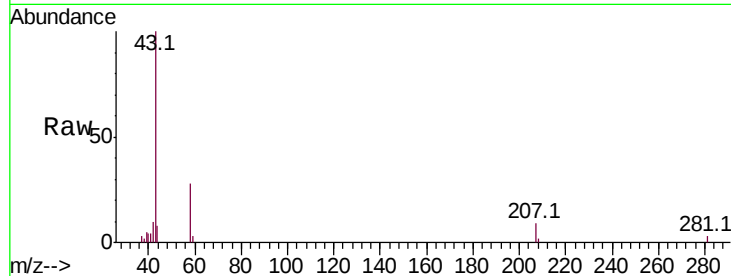
20-105RE

Tot Ion: 43 Resp: 8272

Ion Ratio Lower Upper

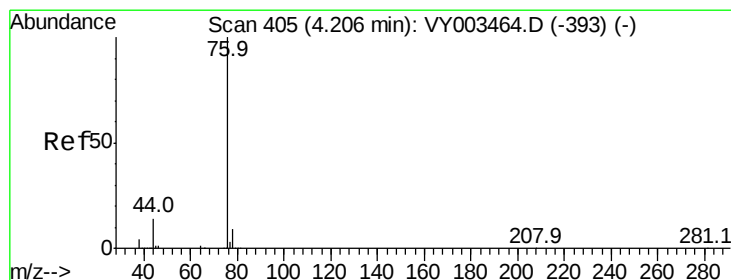
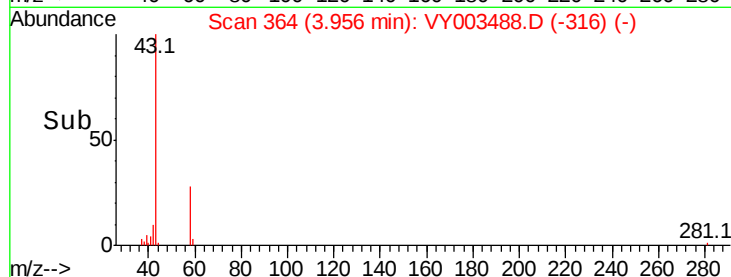
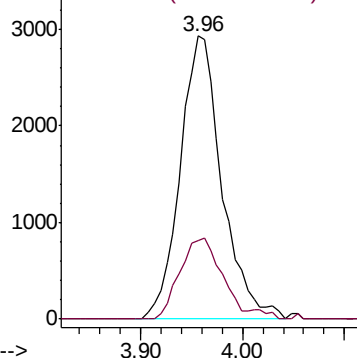
43 100

58 27.9 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 1.729 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.01 min

Lab File: VY003488.D

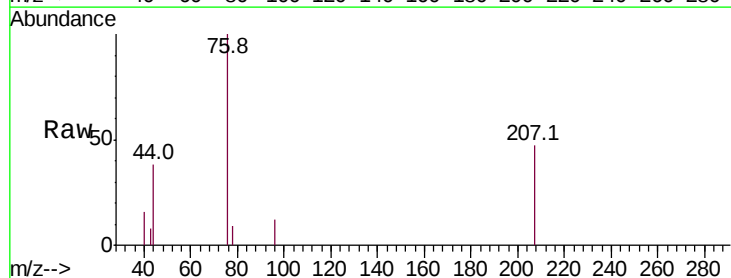
Acq: 03 Nov 2020 13:39

Tgt Ion: 76 Resp: 1881

Ion Ratio Lower Upper

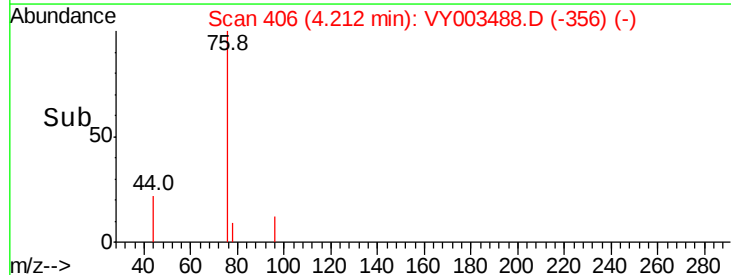
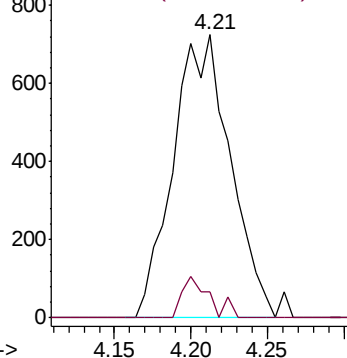
76 100

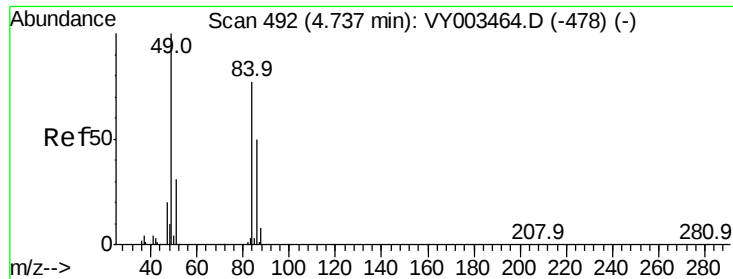
78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

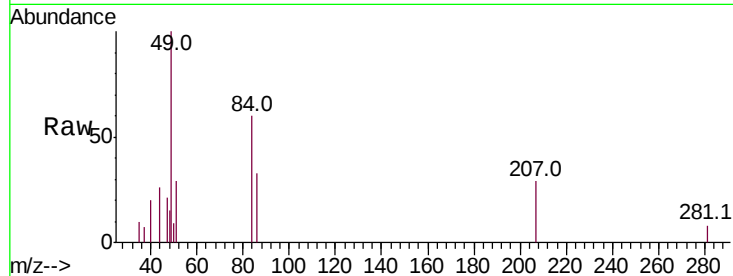




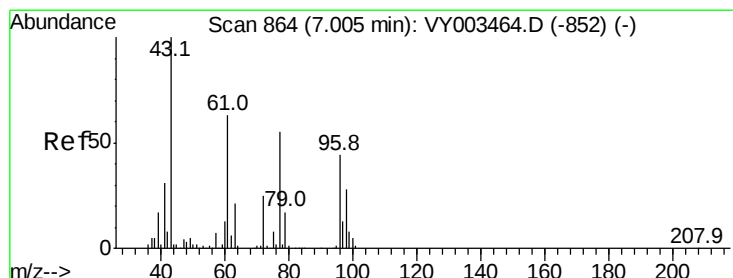
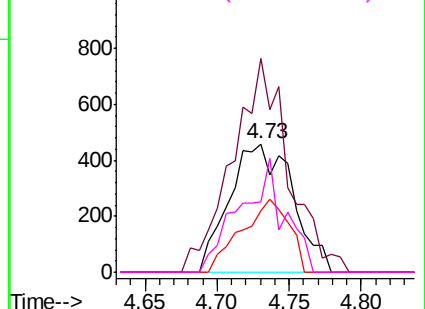
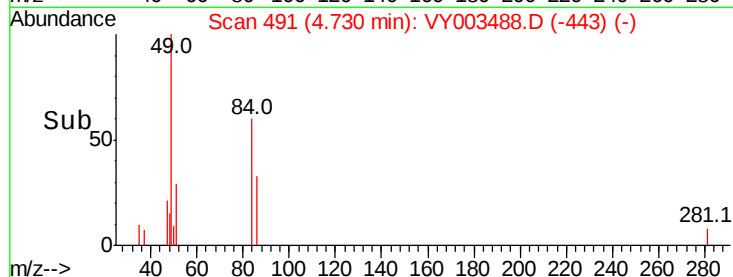
#20
Methvlene Chloride
Concen: 3.585 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003488.D
Acq: 03 Nov 2020 13:39

Instrument :
MSVOA_Y
ClientSampled :
20-105RE

Tot Ion:	84	Resp:	1405
Ion	Ratio	Lower	Upper
84	100		
49	154.9	104.3	156.5
51	47.9	32.5	48.7
86	54.7	52.5	78.7

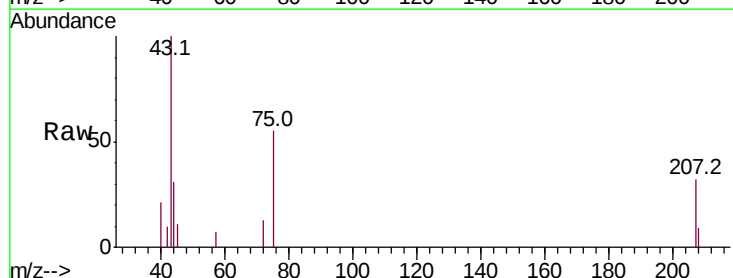


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

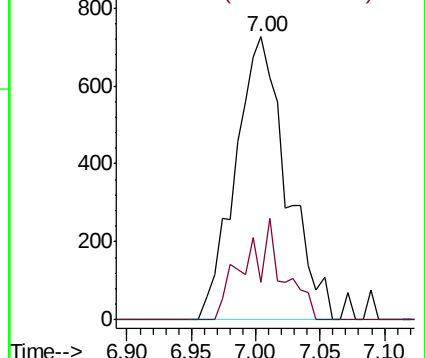
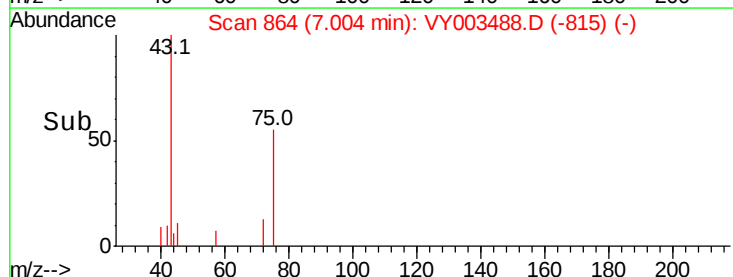


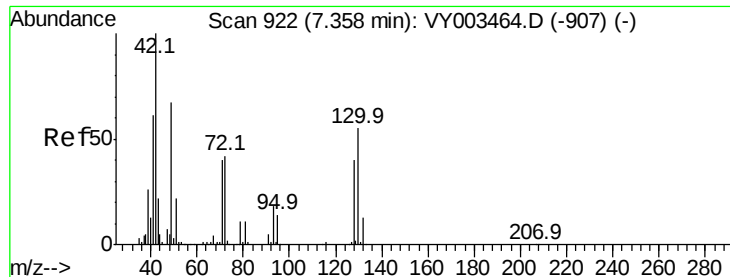
#25
2-Butanone
Concen: 11.530 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY003488.D
Acq: 03 Nov 2020 13:39

Tgt Ion:	43	Resp:	2007
Ion	Ratio	Lower	Upper
43	100		
72	13.1	20.1	30.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#29

Tetrahydrofuran

Concen: 2.859 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

20-105RE

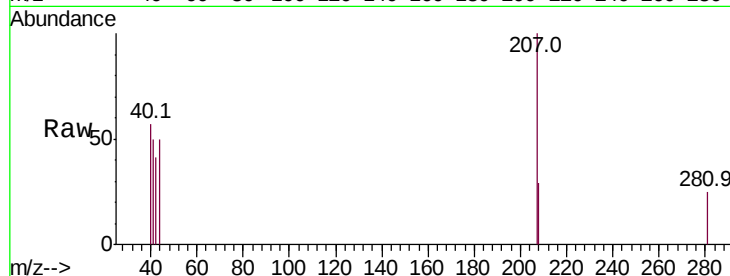
Tot Ion: 42 Resp: 260

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

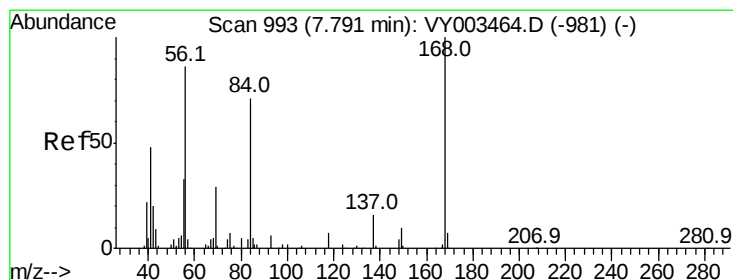
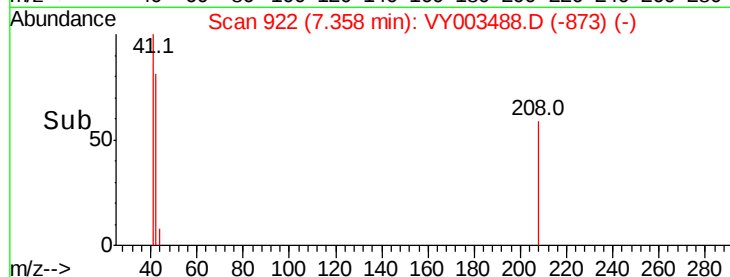
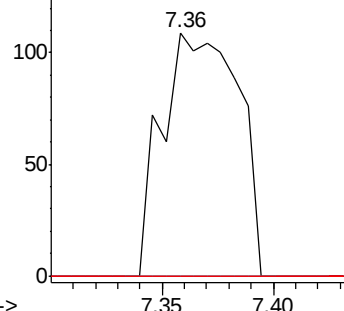
71 0.0 30.7 46.1#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

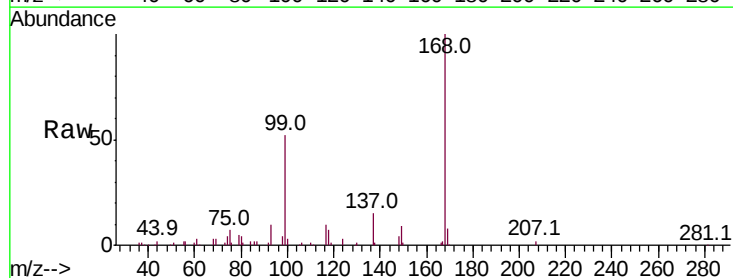
Tgt Ion: 56 Resp: 804

Ion Ratio Lower Upper

56 100

69 150.6 26.6 39.8#

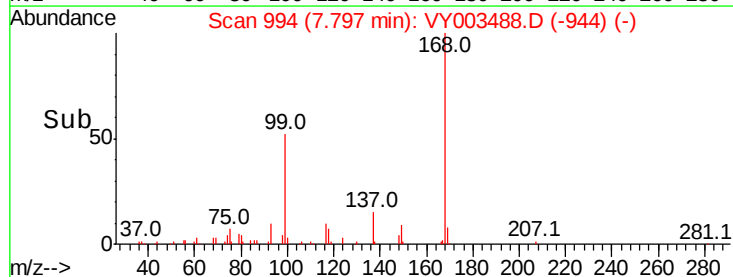
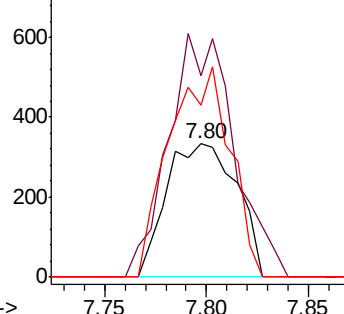
84 128.7 65.9 98.9#

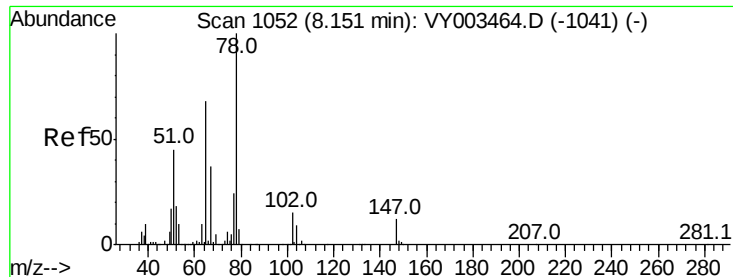


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 53.391 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

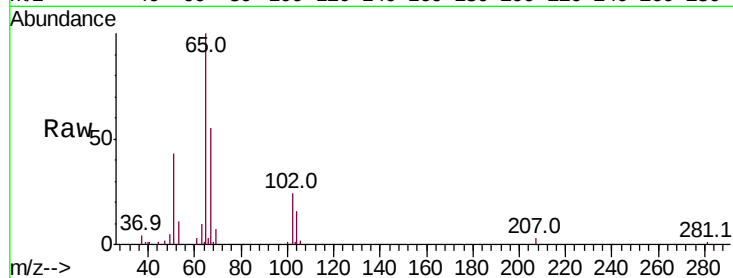
20-105RE

Tot Ion: 65 Resp: 22525

Ion Ratio Lower Upper

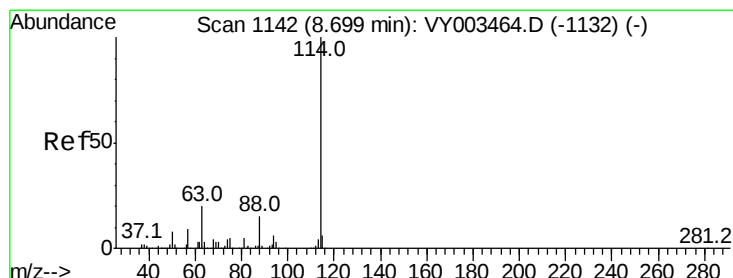
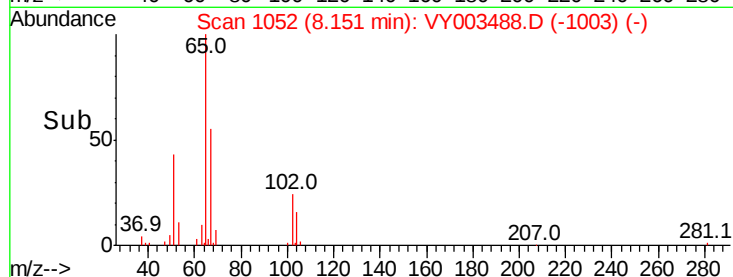
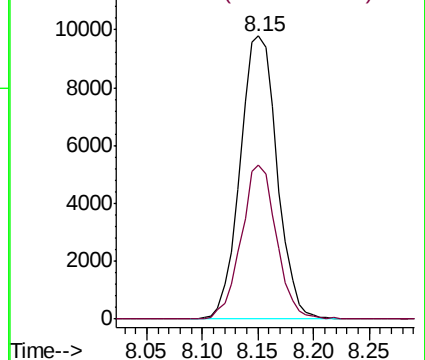
65 100

67 51.8 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

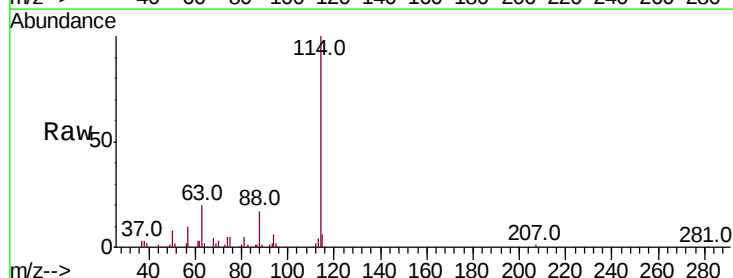
Tgt Ion: 114 Resp: 64015

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

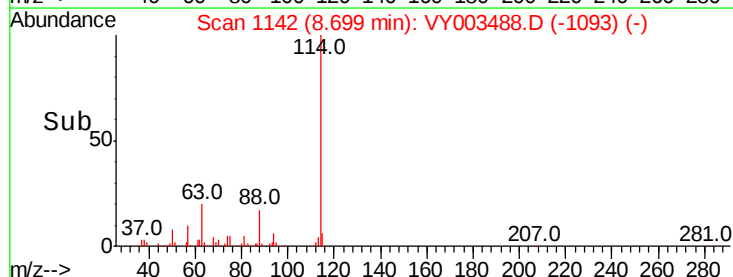
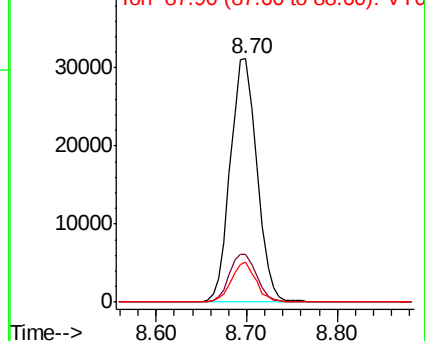
88 16.5 0.0 29.4

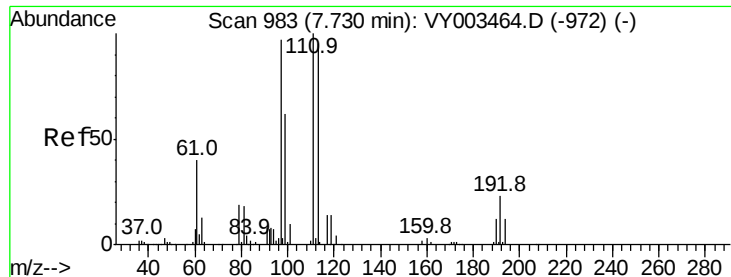


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 52.474 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

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ClientSampleId :

20-105RE

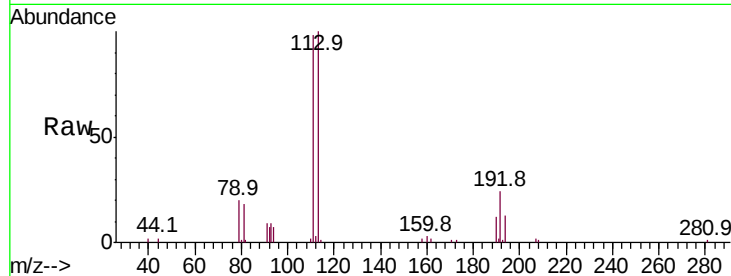
Tot Ion:113 Resp: 20441

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.6

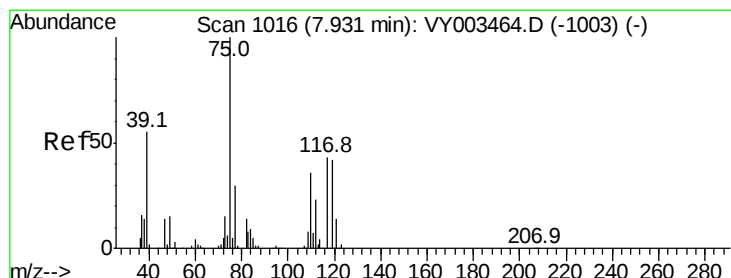
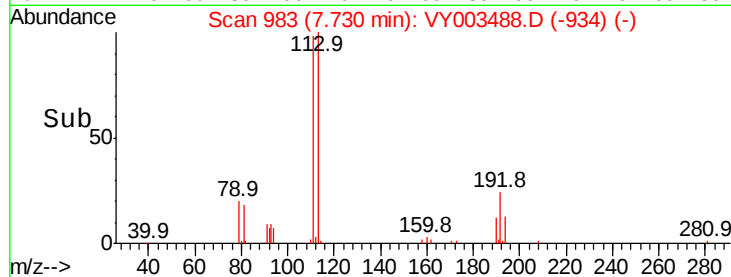
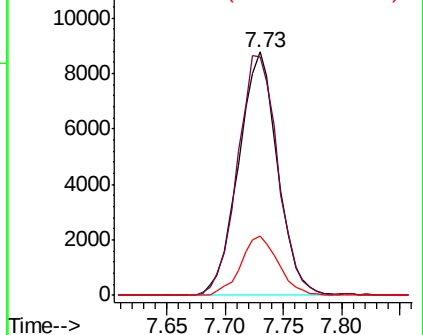
192 23.3 18.8 28.2



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: 4.932 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

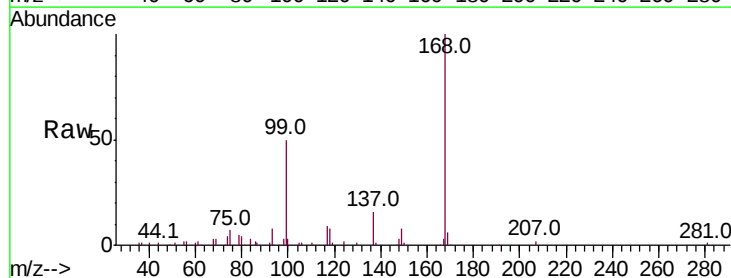
Tgt Ion: 75 Resp: 2977

Ion Ratio Lower Upper

75 100

110 8.4 17.6 52.9#

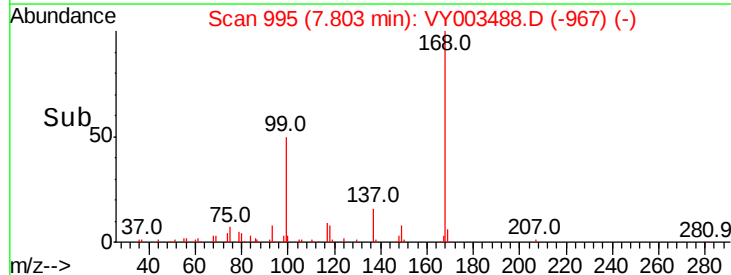
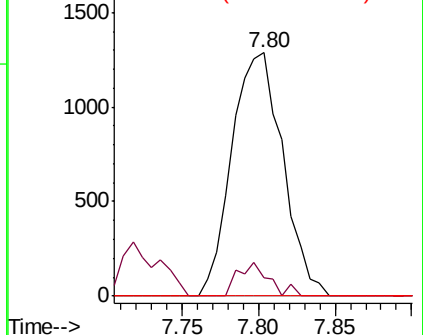
77 0.0 24.7 37.1#

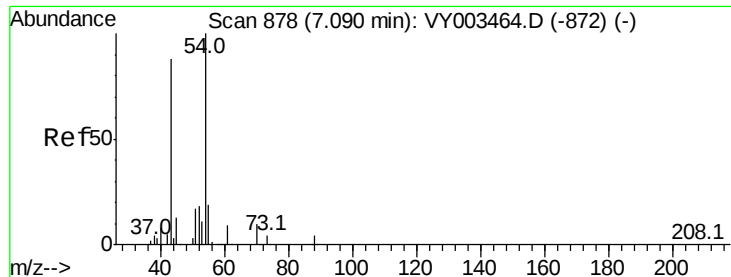


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 5.355 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.09 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

20-105RE

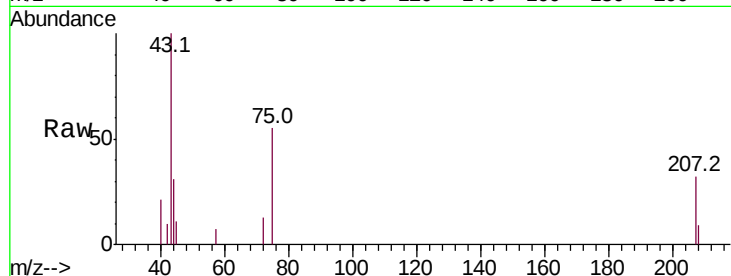
Tot Ion: 43 Resp: 2007

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

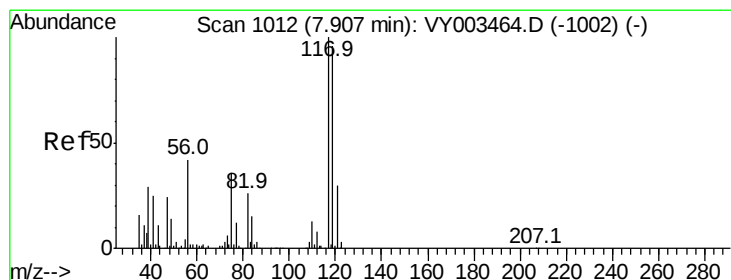
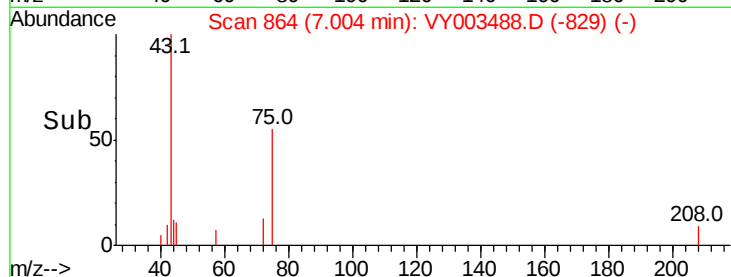
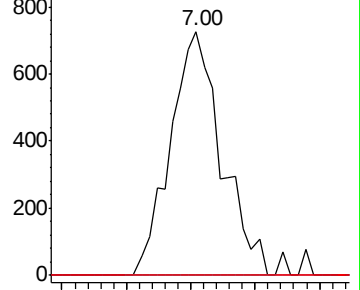
70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VY003464.D (-872) (-)

Ion 60.90 (60.60 to 61.60): VY003464.D (-872) (-)

Ion 70.00 (69.70 to 70.70): VY003464.D (-872) (-)



#38

Carbon Tetrachloride

Concen: 5.992 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

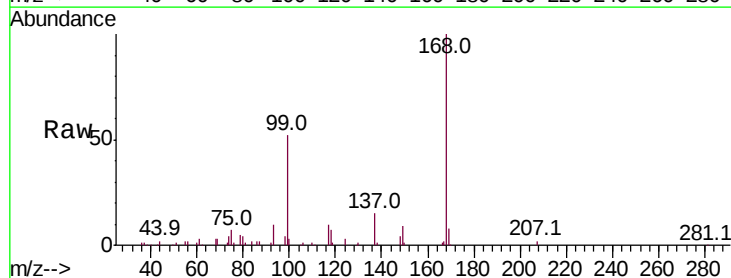
Tgt Ion: 117 Resp: 3752

Ion Ratio Lower Upper

117 100

119 9.6 76.2 114.4#

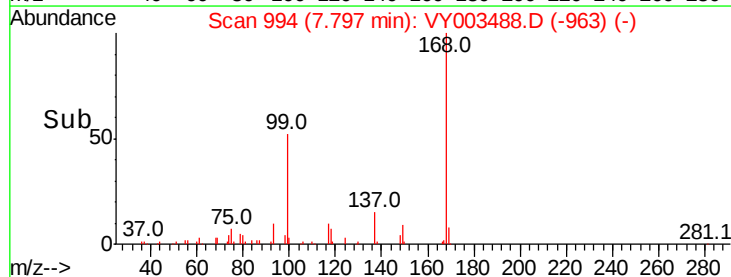
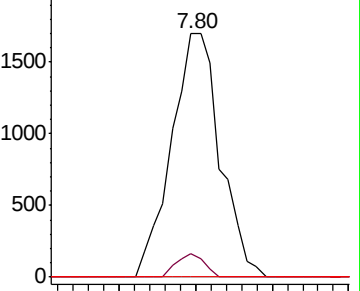
121 0.0 24.2 36.4#

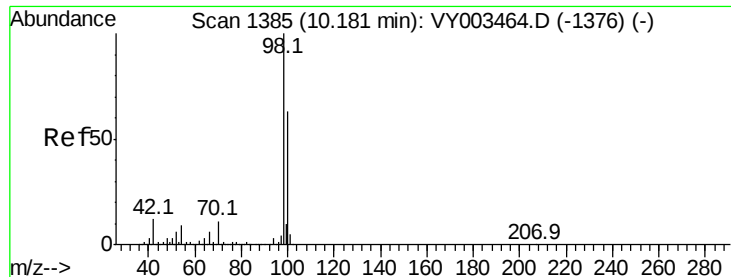


Abundance Ion 116.80 (116.50 to 117.50): VY003464.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY003464.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY003464.D (-1002) (-)





#50

Toluene-d8

Concen: 46.050 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

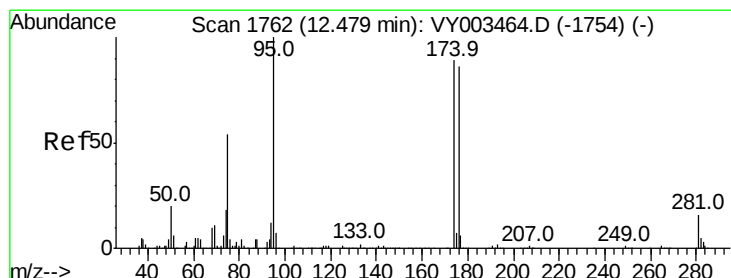
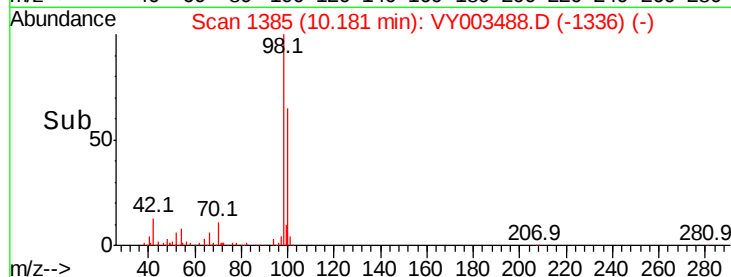
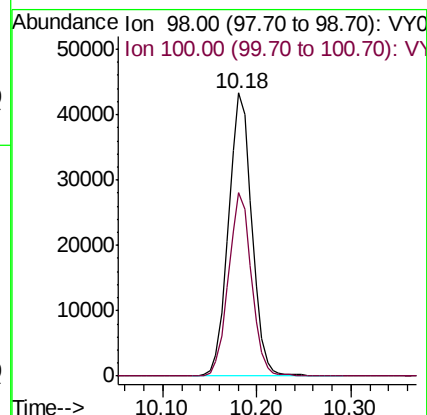
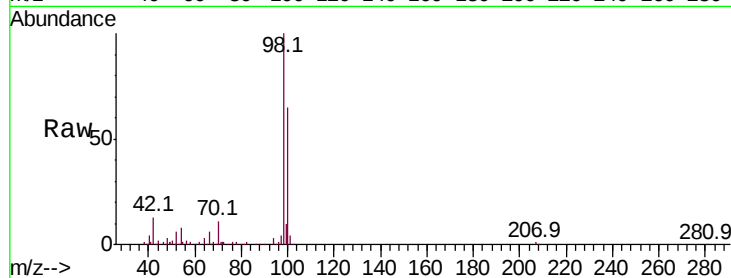
20-105RE

Tot Ion: 98 Resp: 74627

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 36.507 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

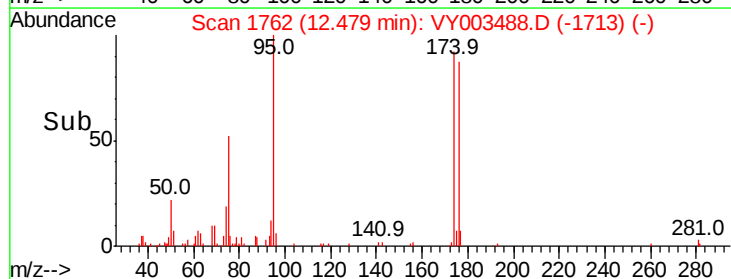
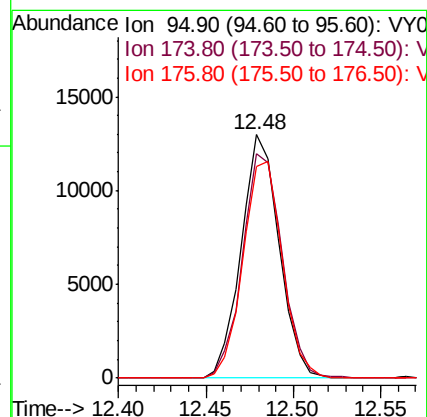
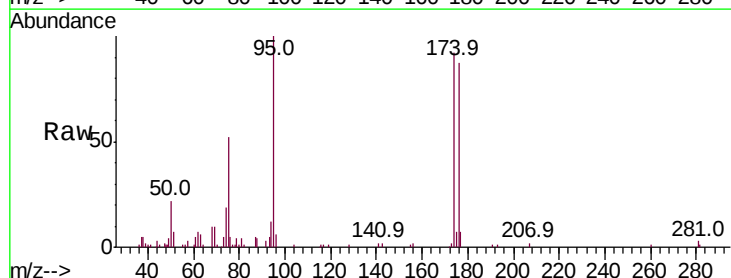
Tgt Ion: 95 Resp: 19602

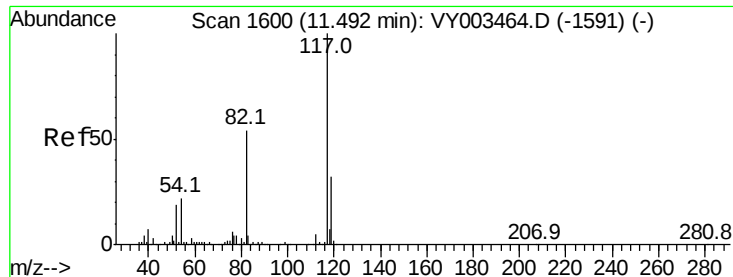
Ion Ratio Lower Upper

95 100

174 96.2 0.0 193.0

176 92.4 0.0 187.4

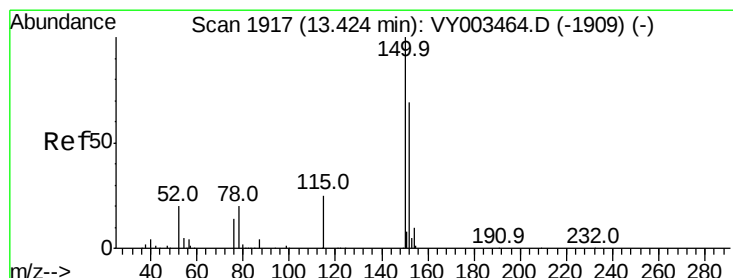
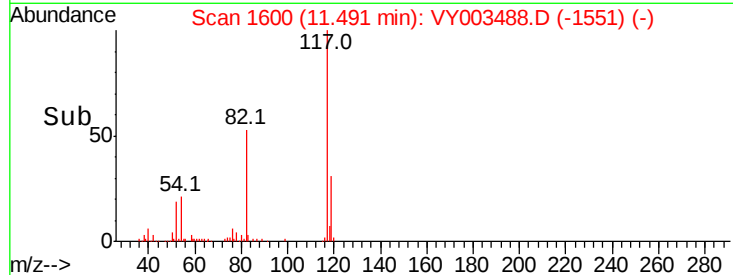
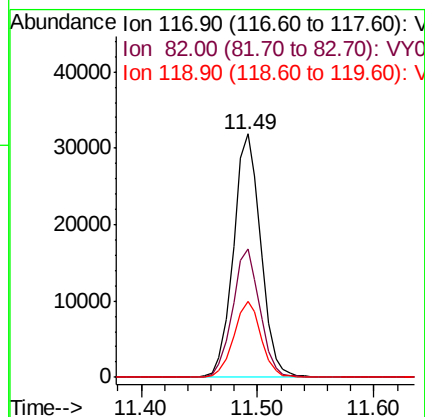
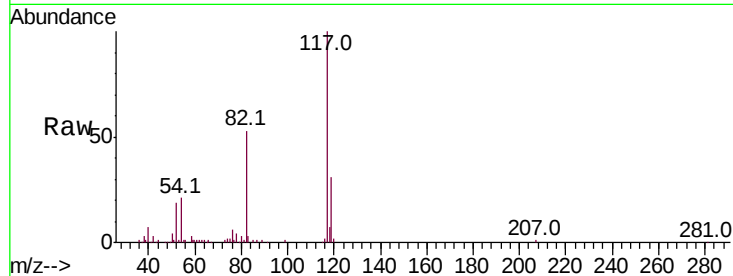




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003488.D
Acq: 03 Nov 2020 13:39

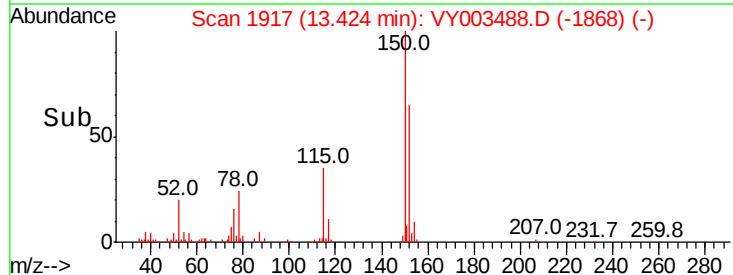
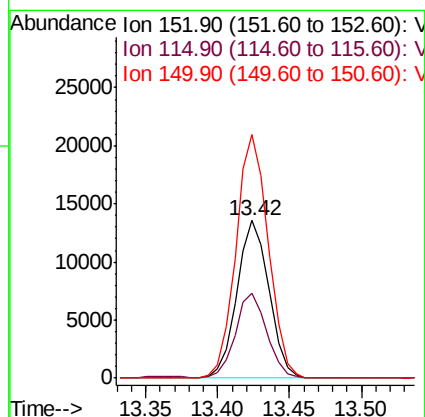
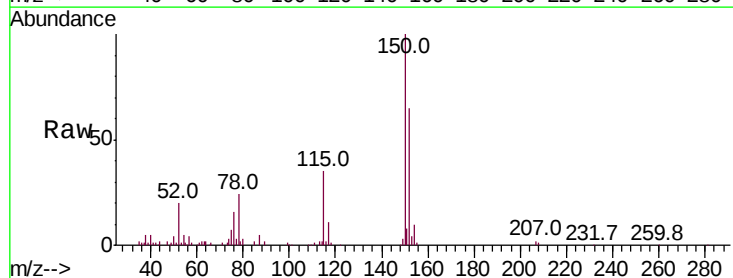
Instrument :
MSVOA_Y
ClientSampleId :
20-105RE

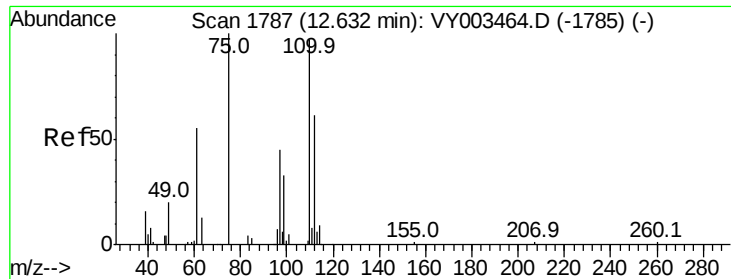
Tot Ion:117 Resp: 52125
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.2
119 31.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003488.D
Acq: 03 Nov 2020 13:39

Tgt Ion:152 Resp: 21033
Ion Ratio Lower Upper
152 100
115 52.9 27.5 82.4
150 155.3 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 46.719 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

Instrument :

MSVOA_Y

ClientSampleId :

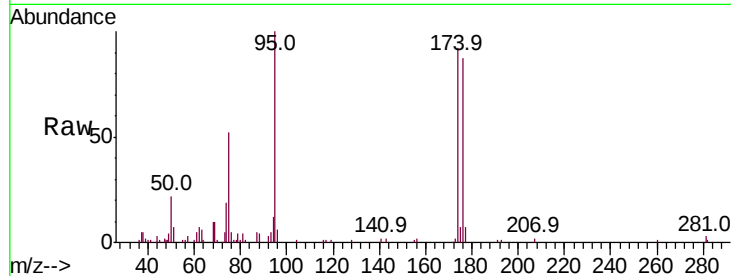
20-105RE

Tot Ion: 75 Resp: 10397

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

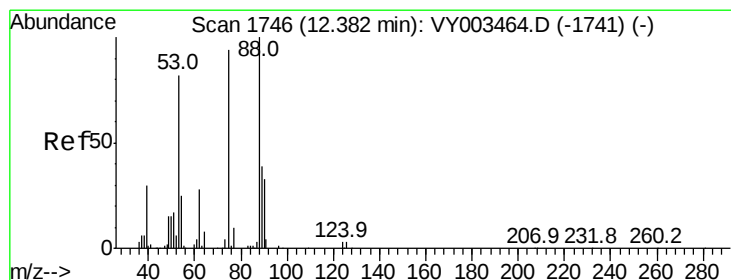
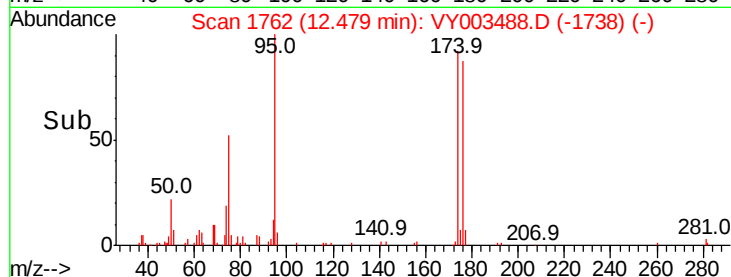
6000

4000

2000

0

Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 97.510 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003488.D

Acq: 03 Nov 2020 13:39

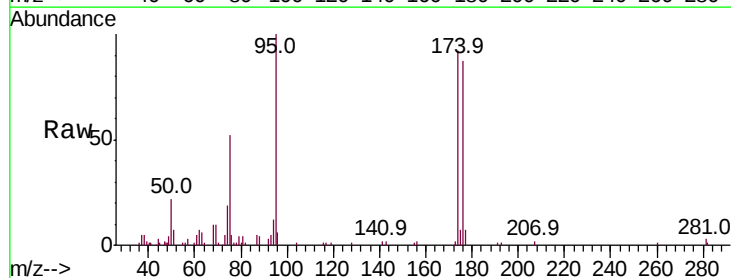
Tgt Ion: 75 Resp: 10397

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 35.8 53.8#



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

12.48

8000

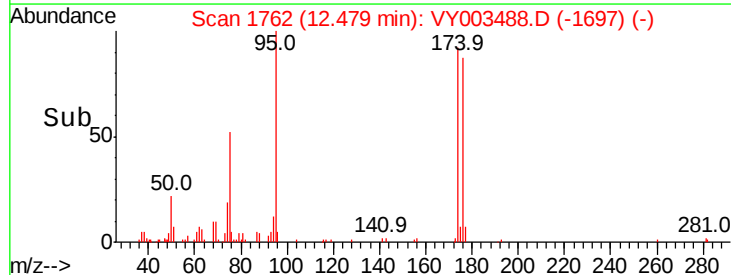
6000

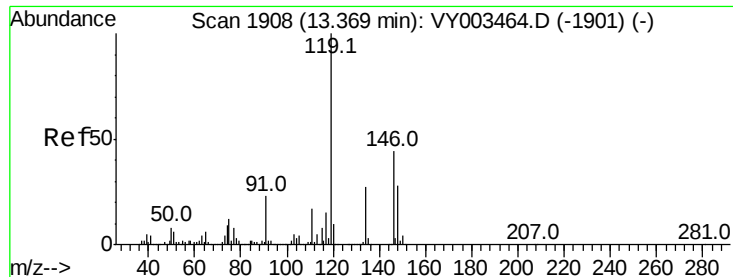
4000

2000

0

Time--> 12.40 12.45 12.50 12.55

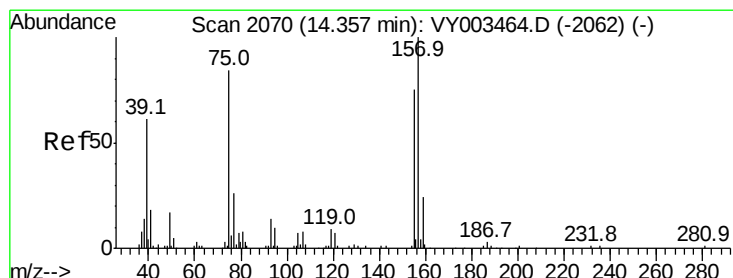
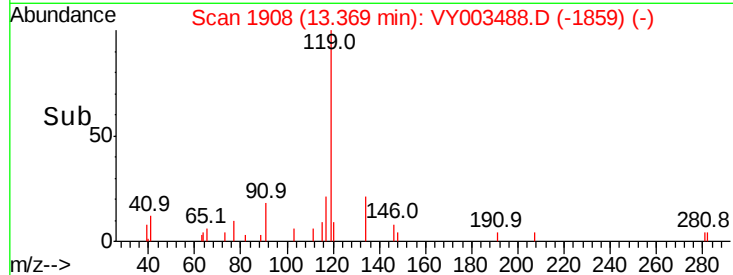
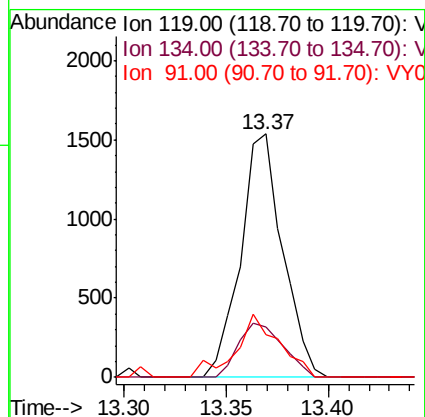
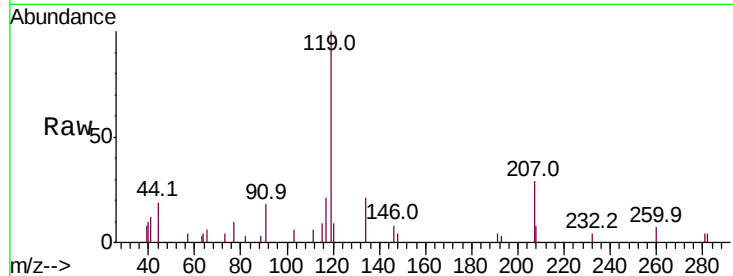




#86
 p-Isopropyltoluene
 Concen: 1.736 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003488.D
 Acq: 03 Nov 2020 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 20-105RE

Tot Ion: 119 Resp: 2201
 Ion Ratio Lower Upper
 119 100
 134 23.7 13.6 40.7
 91 26.6 11.4 34.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.355 ug/l
 RT: 14.52 min Scan# 2096
 Delta R.T. 0.16 min
 Lab File: VY003488.D
 Acq: 03 Nov 2020 13:39

Tgt Ion: 75 Resp: 72
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.6 136.7#
 157 0.0 60.3 180.8#

