

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003500.D
 Acq On : 03 Nov 2020 18:11
 Operator : SY/MD
 Sample : L4605-01RE
 Misc : 5.94G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-01RE

Quant Time: Nov 04 00:25:33 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	147990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	271107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	244772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	112214	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	103339	68.11	ug/l	0.00
Spiked Amount			Recovery	=	136.22%	
35) Dibromofluoromethane	7.72	113	88518	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
50) Toluene-d8	10.18	98	332852	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.48	95	101218	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

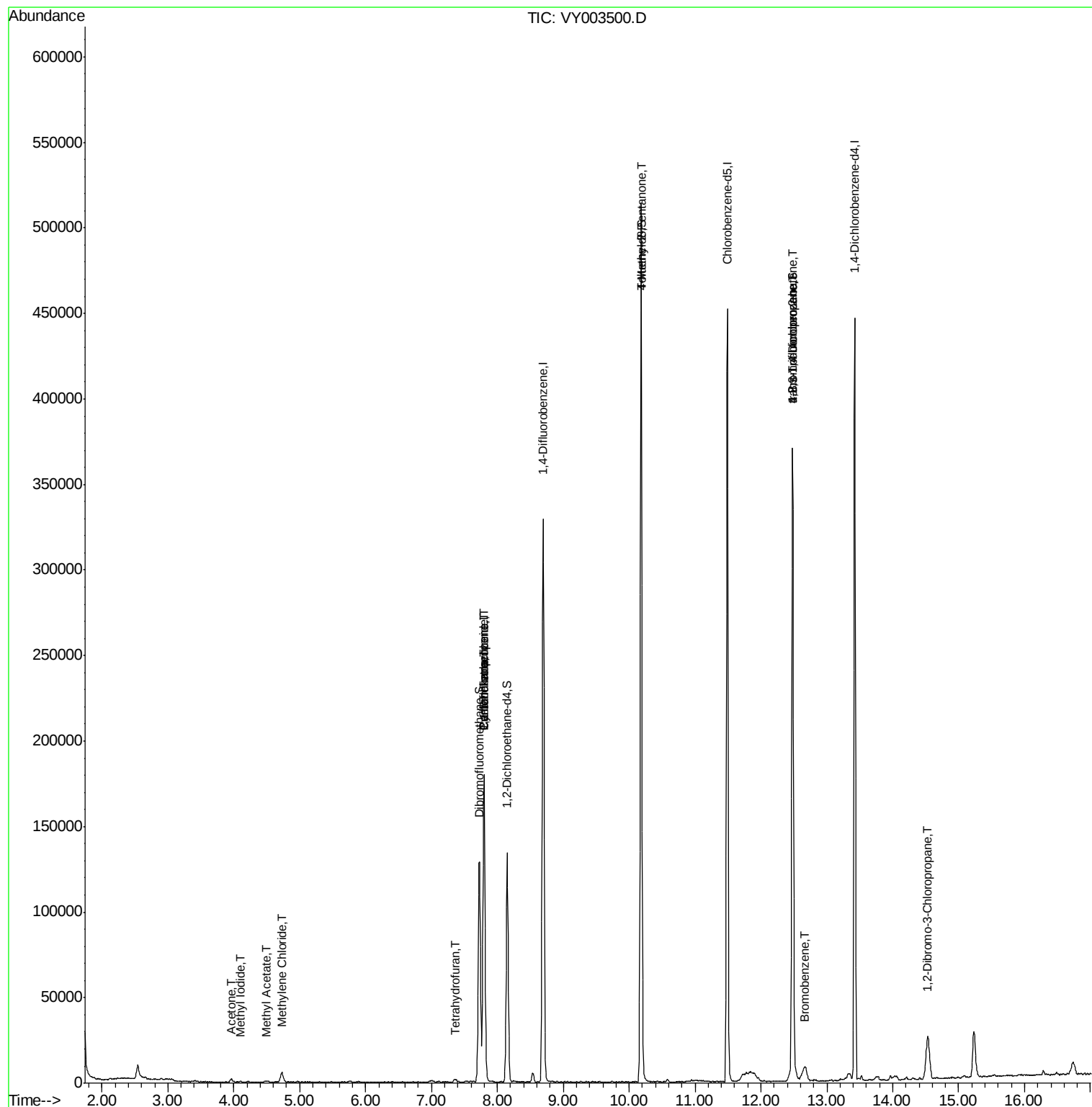
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	217	4.762	ug/l #	88
11) Tert butyl alcohol	4.96	59	245	Below Cal	#	73
16) Acetone	3.96	43	3186	6.366	ug/l	99
18) Methyl Acetate	4.49	43	958	1.013	ug/l #	79
20) Methylene Chloride	4.73	84	4256	3.020	ug/l	91
29) Tetrahydrofuran	7.36	42	1302	3.981	ug/l #	75
31) Cyclohexane	7.80	56	2943	1.294	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10058	3.935	ug/l #	50
38) Carbon Tetrachloride	7.80	117	13269	5.004	ug/l #	17
51) 4-Methyl-2-Pentanone	10.18	43	1617	1.064	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	55787	46.986	ug/l #	100
77) Bromobenzene	12.67	156	11334	6.086	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	55787	98.068	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.53	75	1077	3.800	ug/l #	1

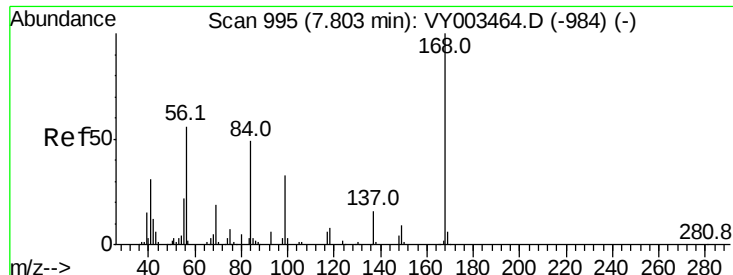
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
Data File : VY003500.D
Acq On : 03 Nov 2020 18:11
Operator : SY/MD
Sample : L4605-01RE
Misc : 5.94G/5ML/MSVOA Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CRT-01RE

Quant Time: Nov 04 00:25:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

Instrument :

MSVOA_Y

ClientSampleId :

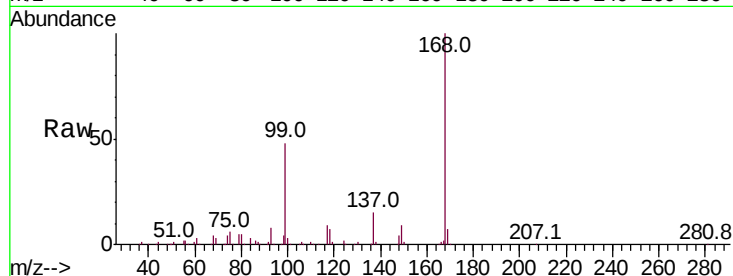
CRT-01RE

Tot Ion:168 Resp: 147990

Ion Ratio Lower Upper

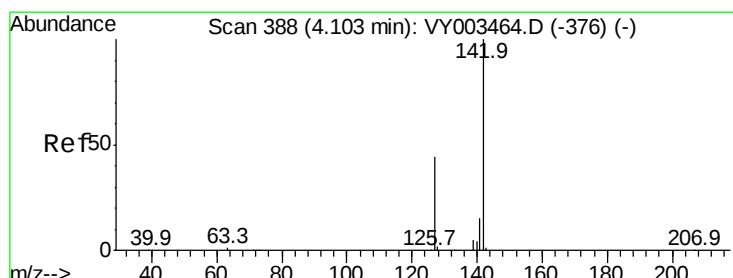
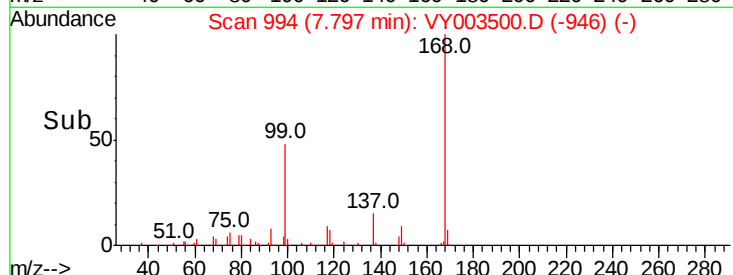
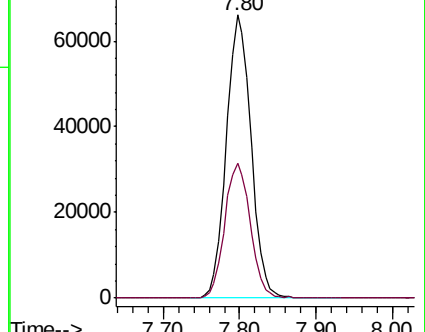
168 100

99 47.7 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: 4.762 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

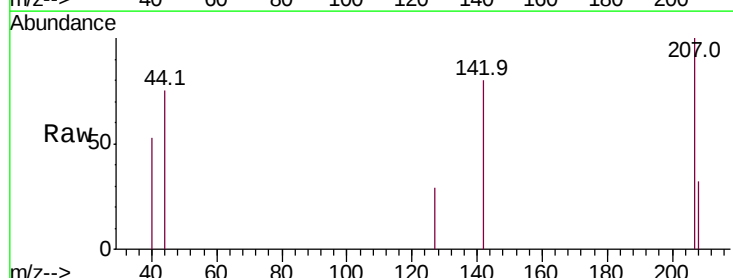
Tgt Ion:142 Resp: 217

Ion Ratio Lower Upper

142 100

127 45.2 34.5 51.7

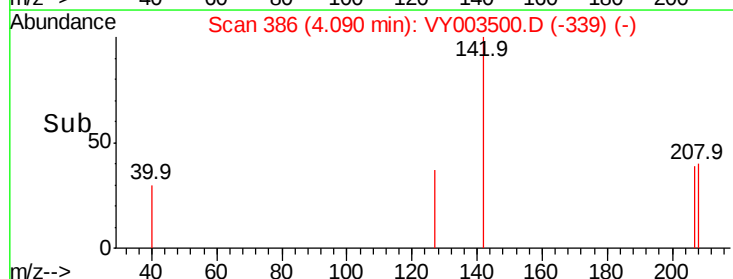
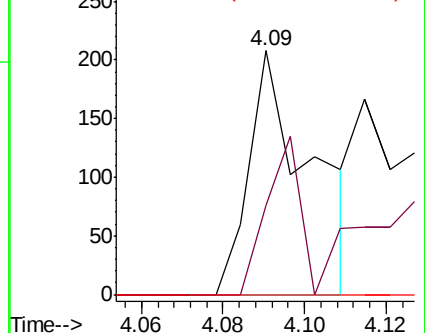
141 0.0 11.8 17.8#

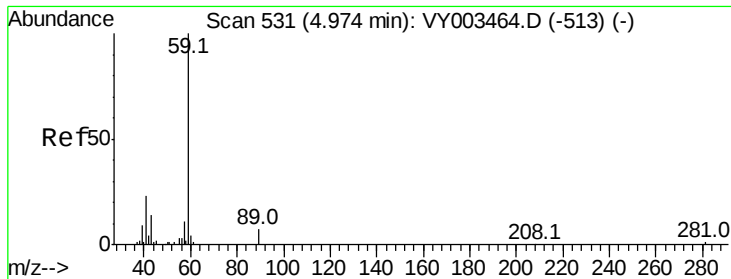


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



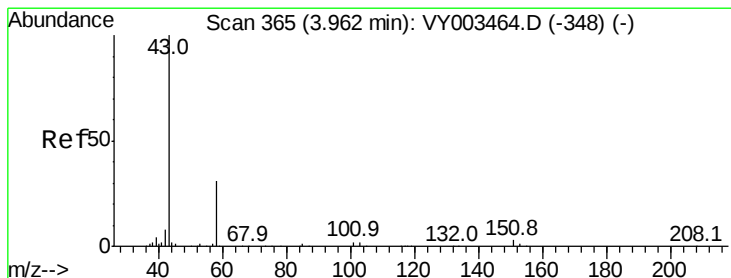
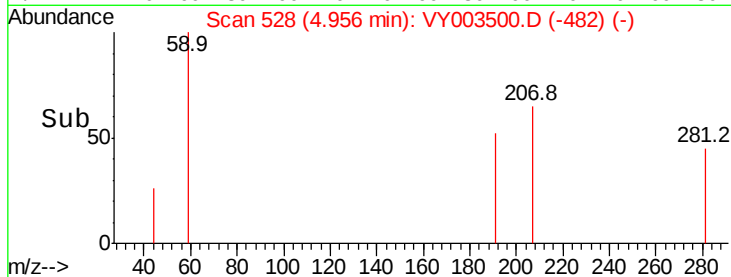
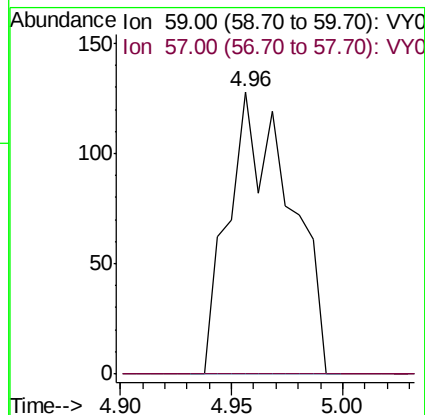
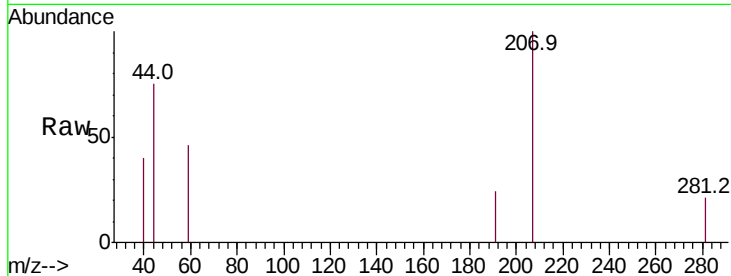


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY003500.D
 Acq: 03 Nov 2020 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-01RE

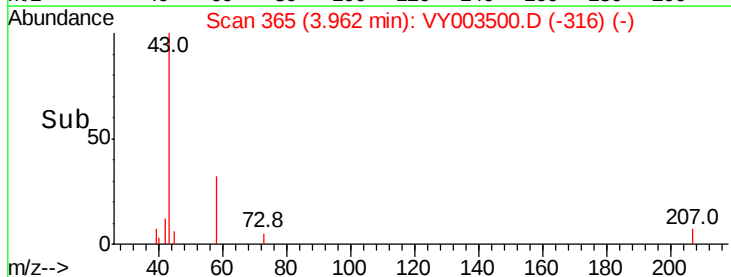
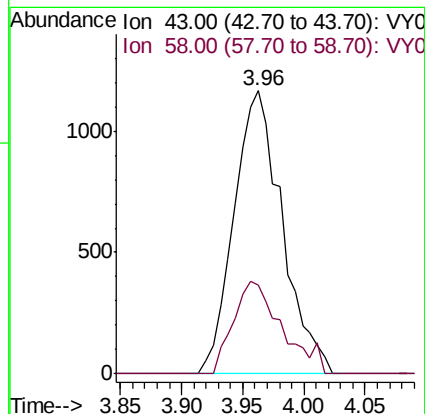
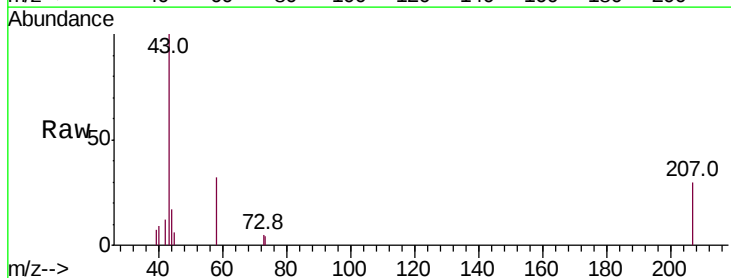
Tot Ion: 59 Resp: 245
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

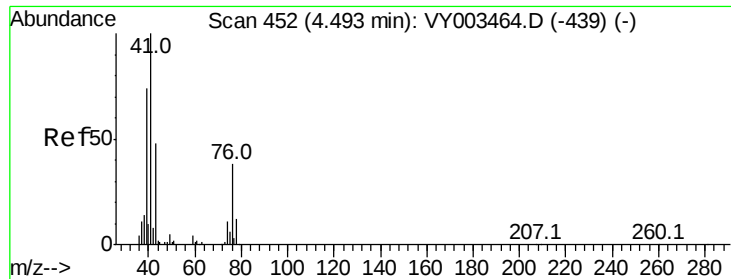


#16

Acetone
 Concen: 6.366 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY003500.D
 Acq: 03 Nov 2020 18:11

Tgt Ion: 43 Resp: 3186
 Ion Ratio Lower Upper
 43 100
 58 31.5 25.0 37.4

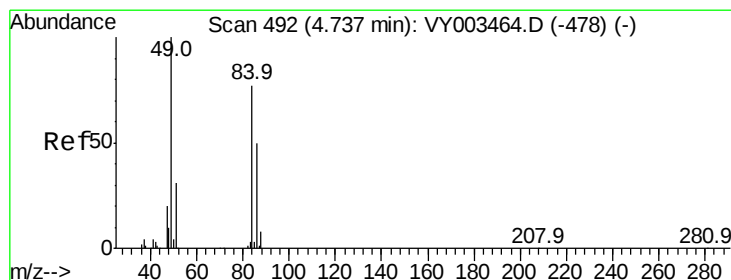
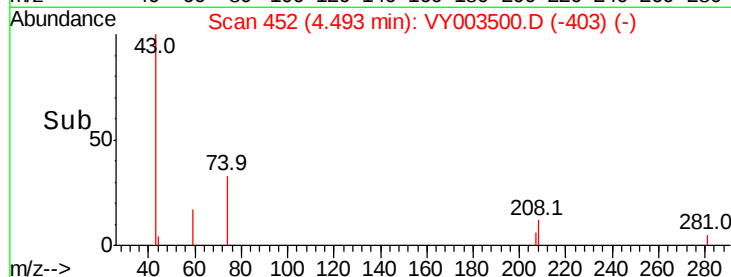
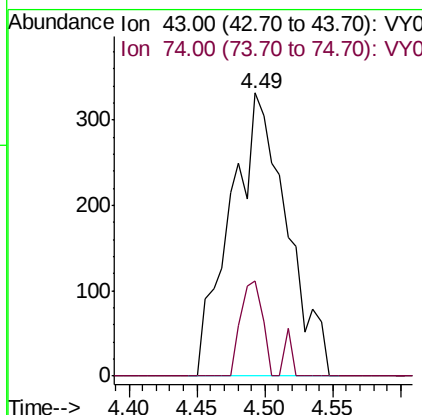
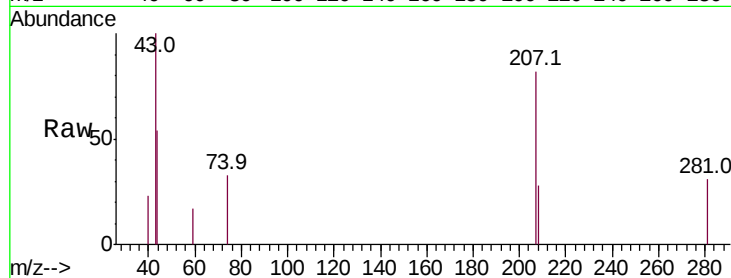




#18
Methyl Acetate
Concen: 1.013 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.00 min
Lab File: VY003500.D
Acq: 03 Nov 2020 18:11

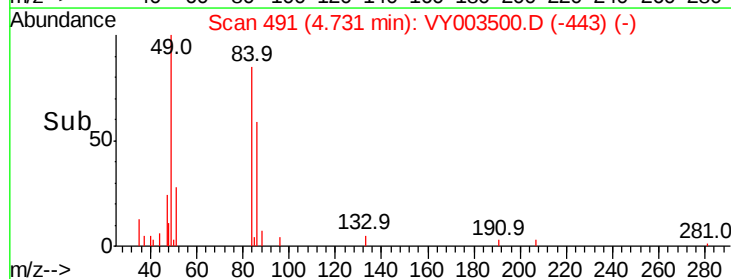
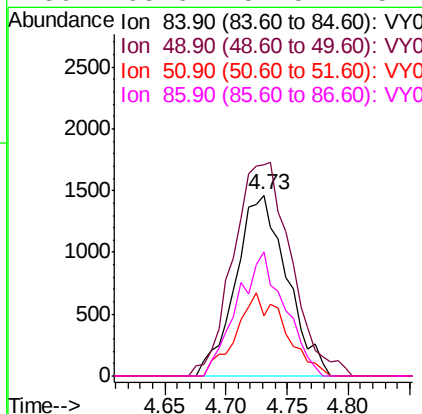
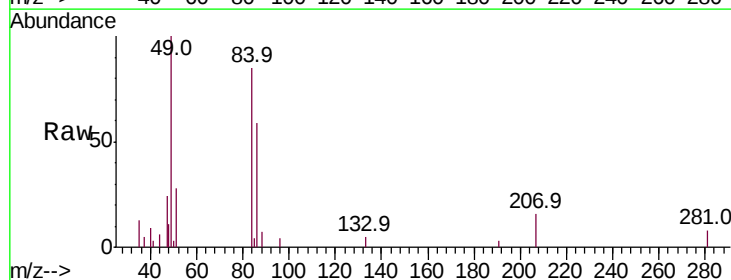
Instrument :
MSVOA_Y
ClientSampleId :
CRT-01RE

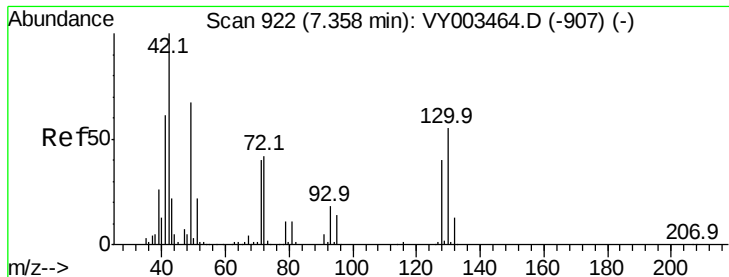
Tot Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
74 12.9 18.4 27.6#



#20
Methylene Chloride
Concen: 3.020 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003500.D
Acq: 03 Nov 2020 18:11

Tgt Ion: 84 Resp: 4256
Ion Ratio Lower Upper
84 100
49 117.1 104.3 156.5
51 33.2 32.5 48.7
86 68.6 52.5 78.7





#29

Tetrahydrofuran

Concen: 3.981 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

Instrument :

MSVOA_Y

ClientSampleId :

CRT-01RE

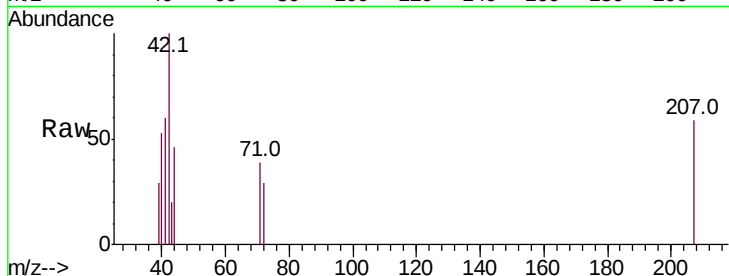
Tot Ion: 42 Resp: 1302

Ion Ratio Lower Upper

42 100

72 13.1 32.8 49.2#

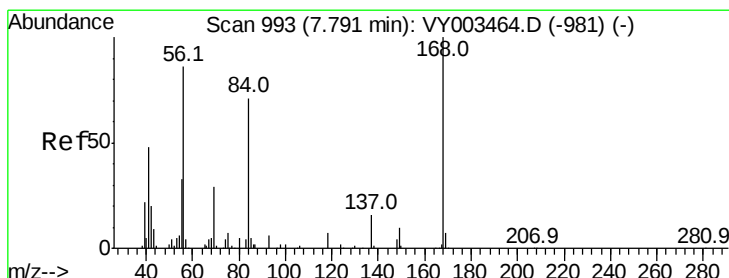
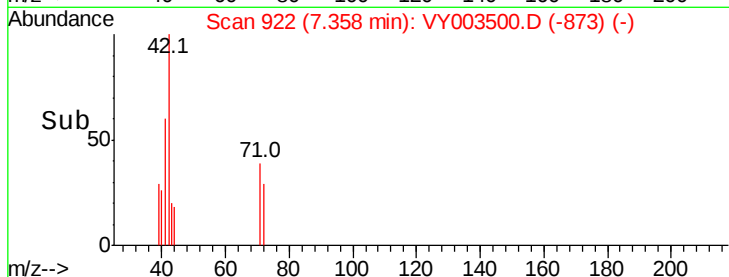
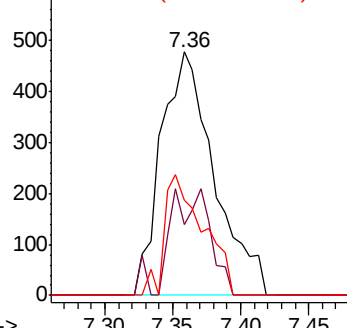
71 36.4 30.7 46.1



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: 1.294 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

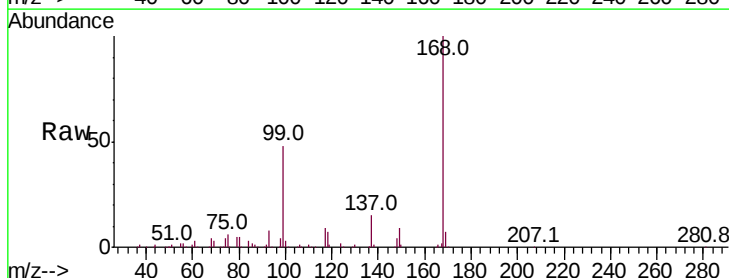
Tgt Ion: 56 Resp: 2943

Ion Ratio Lower Upper

56 100

69 170.2 26.6 39.8#

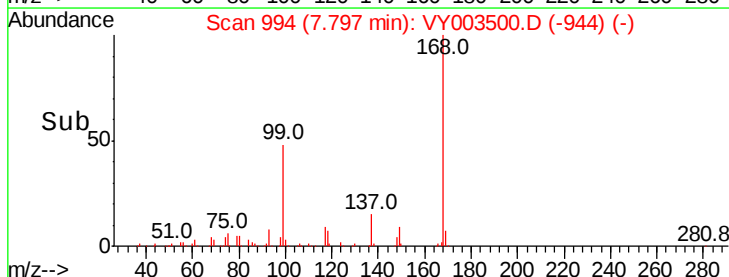
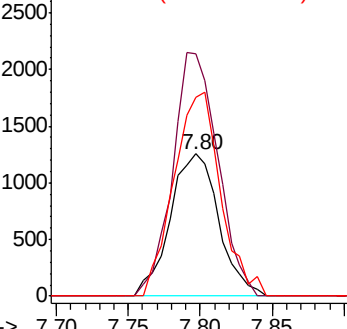
84 140.3 65.9 98.9#

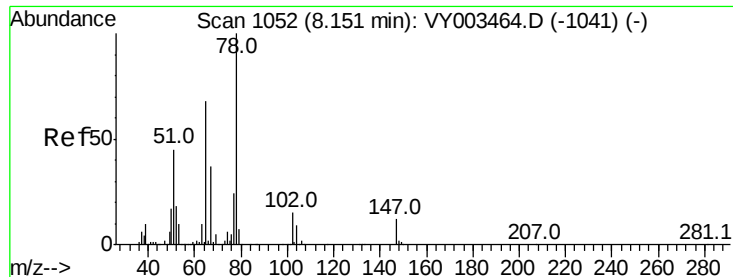


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 68.113 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

Instrument :

MSVOA_Y

ClientSampleId :

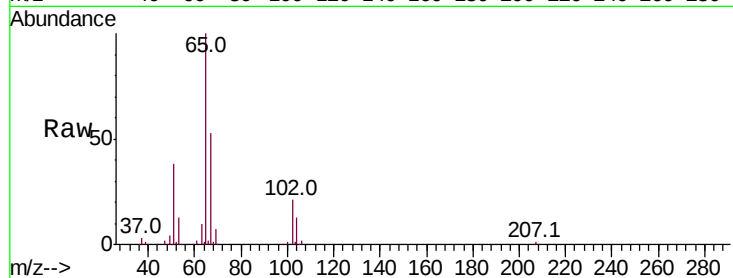
CRT-01RE

Tot Ion: 65 Resp: 103339

Ion Ratio Lower Upper

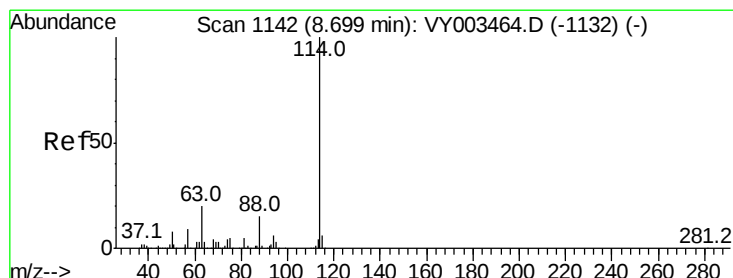
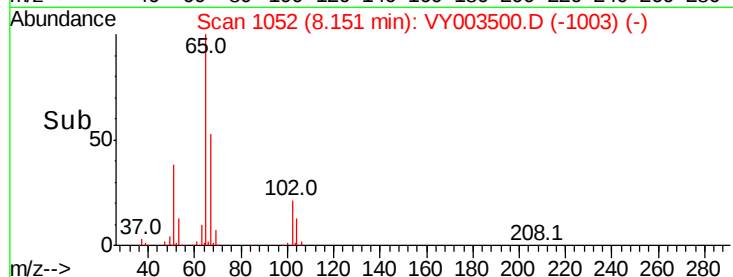
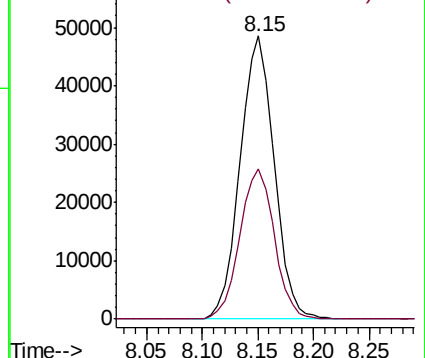
65 100

67 53.5 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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

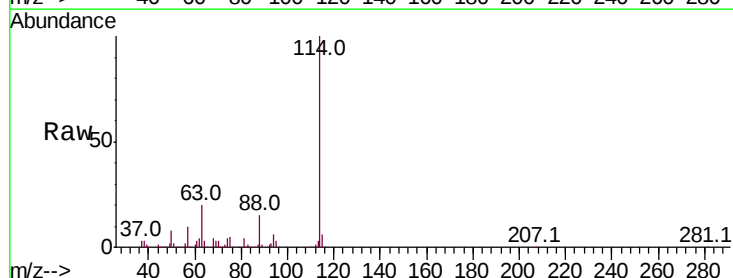
Tgt Ion: 114 Resp: 271107

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

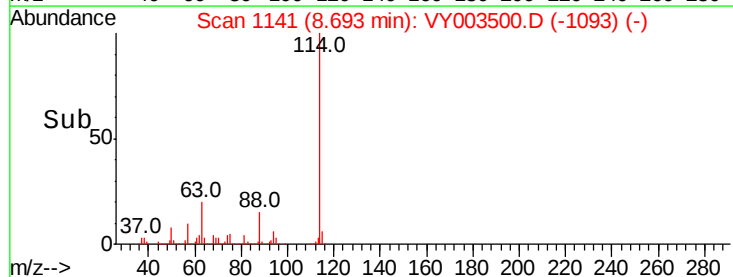
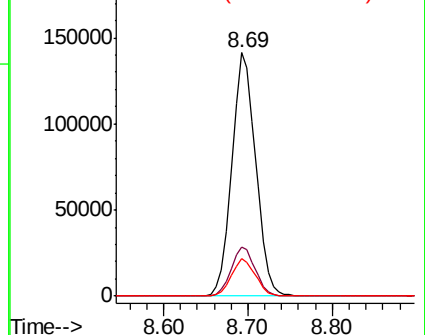
88 15.3 0.0 29.4

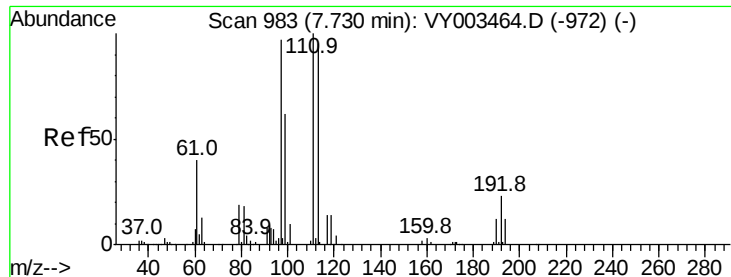


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

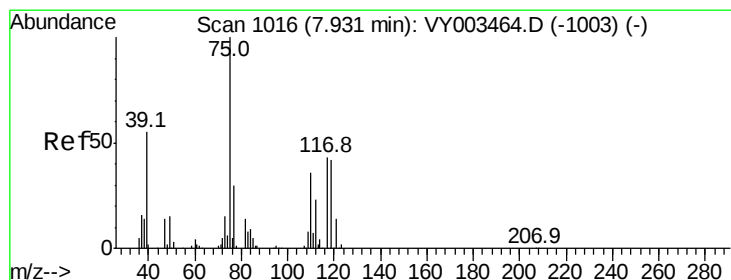
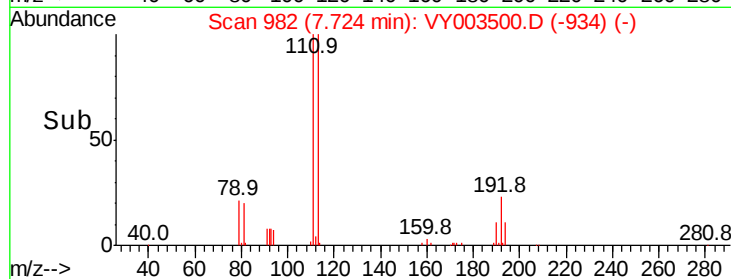
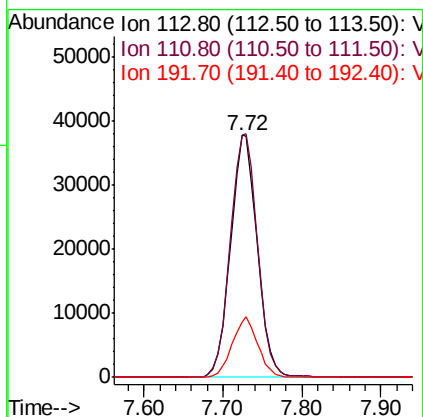
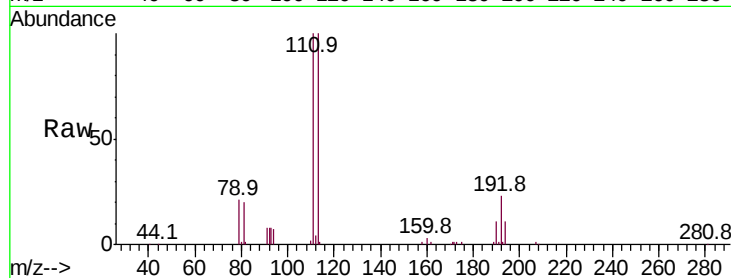




#35
Dibromofluoromethane
Concen: 53.655 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY003500.D
Acq: 03 Nov 2020 18:11

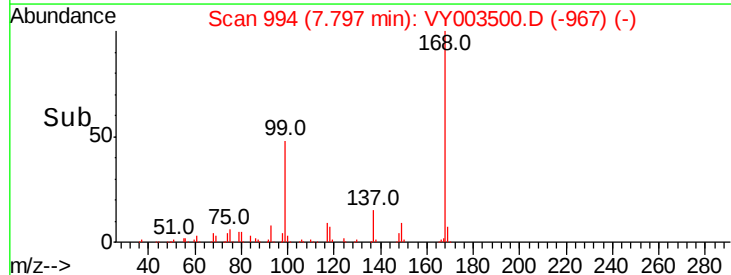
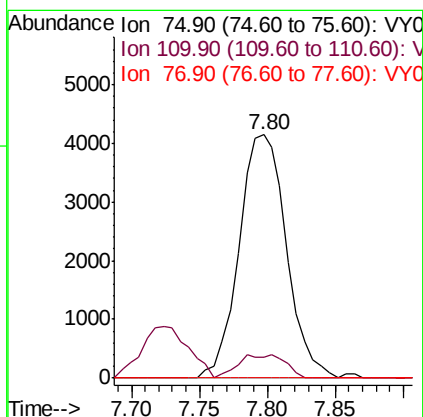
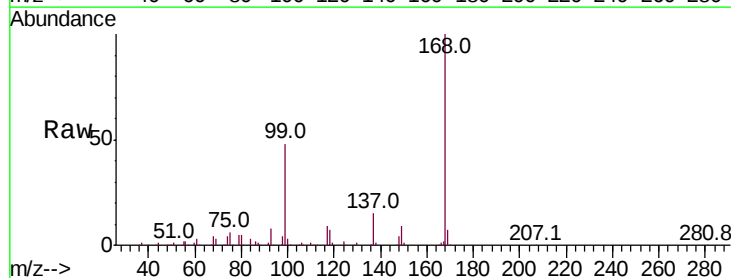
Instrument :
MSVOA_Y
ClientSampleId :
CRT-01RE

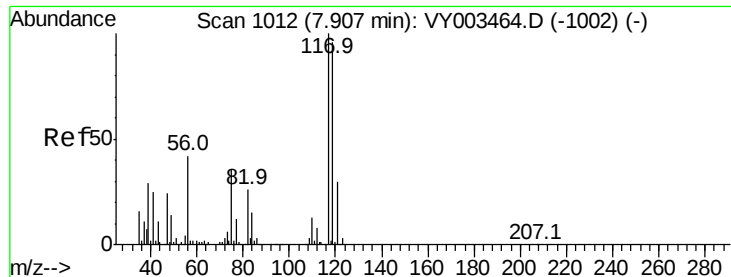
Tot Ion:113 Resp: 88518
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 23.9 18.8 28.2



#36
1,1-Dichloropropene
Concen: 3.935 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY003500.D
Acq: 03 Nov 2020 18:11

Tgt Ion: 75 Resp: 10058
Ion Ratio Lower Upper
75 100
110 9.6 17.6 52.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.004 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

Instrument :

MSVOA_Y

ClientSampleId :

CRT-01RE

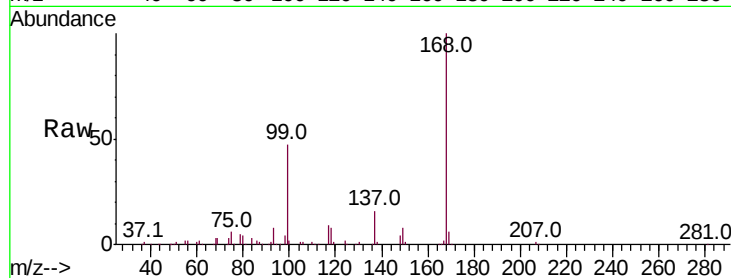
Tot Ion:117 Resp: 13269

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

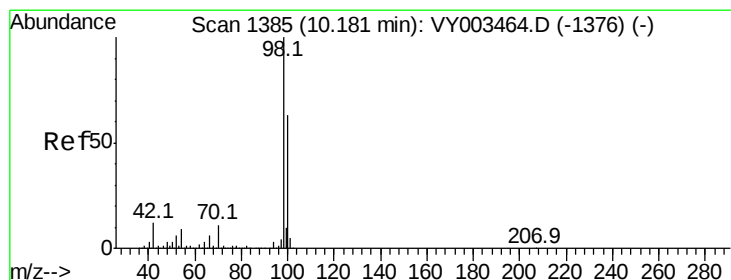
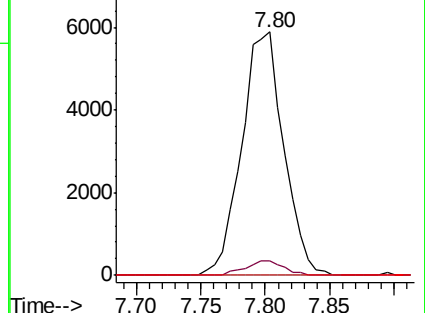
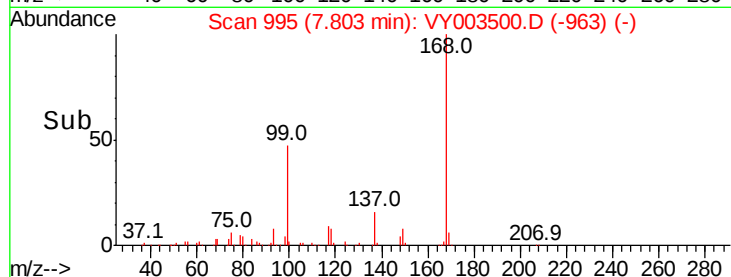
121 0.0 24.2 36.4#



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: 48.499 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003500.D

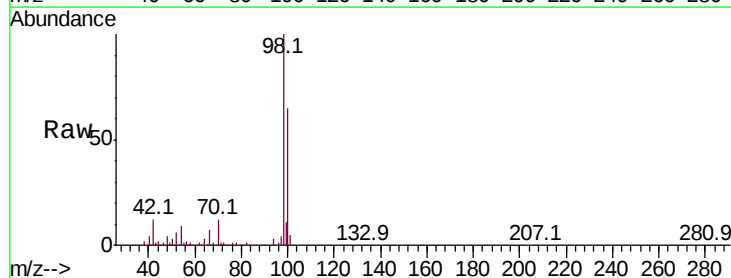
Acq: 03 Nov 2020 18:11

Tgt Ion: 98 Resp: 332852

Ion Ratio Lower Upper

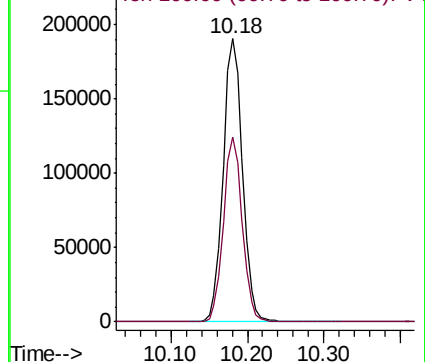
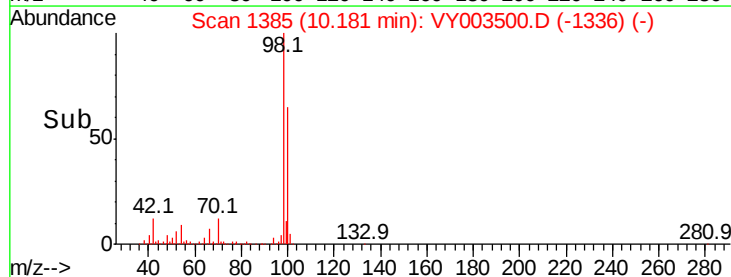
98 100

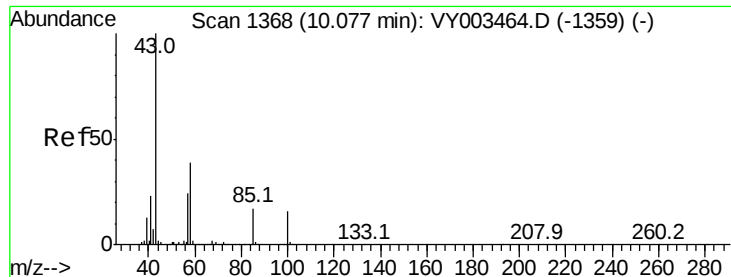
100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

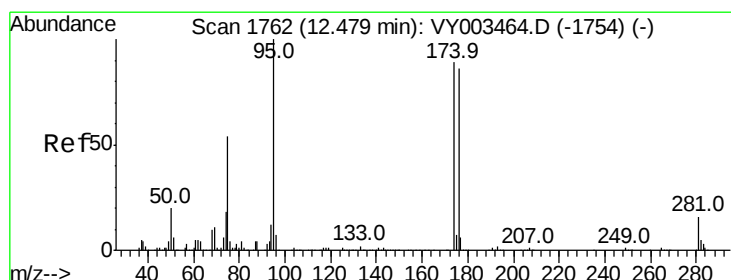
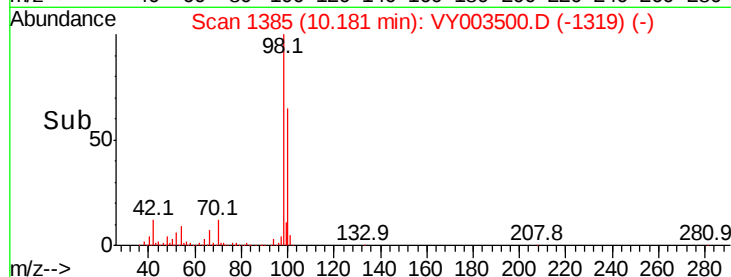
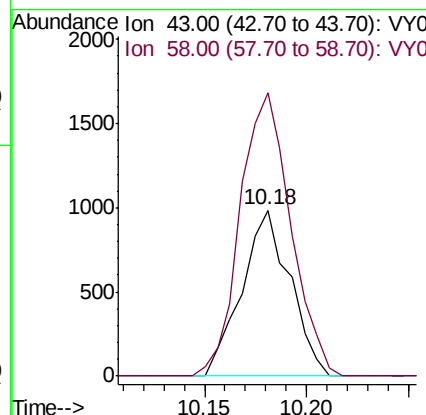
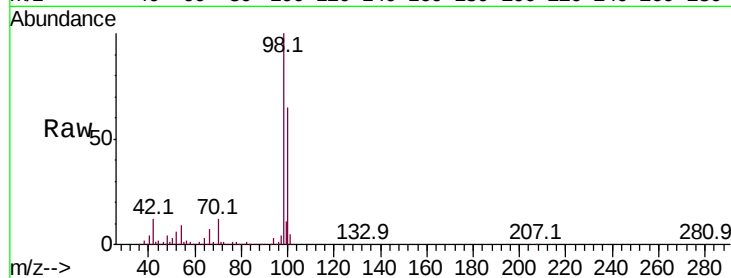




#51
4-Methyl-2-Pentanone
Concen: 1.064 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.10 min
Lab File: VY003500.D
Acq: 03 Nov 2020 18:11

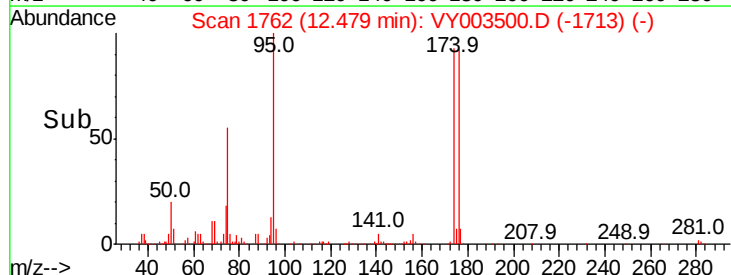
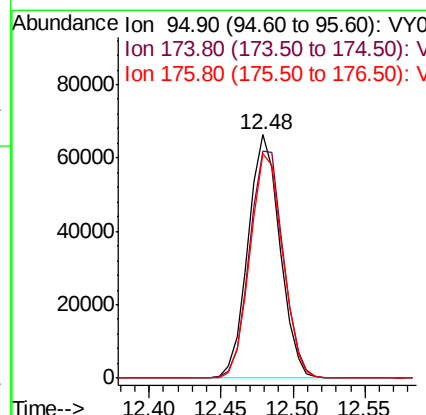
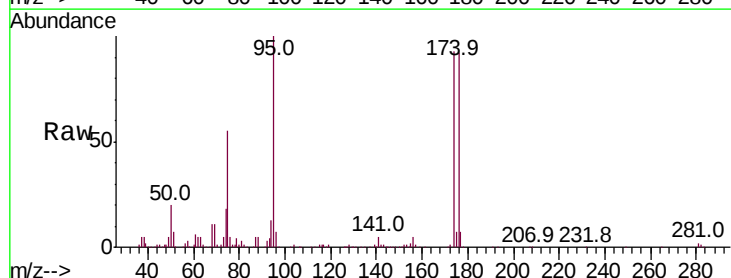
Instrument :
MSVOA_Y
ClientSampleId :
CRT-01RE

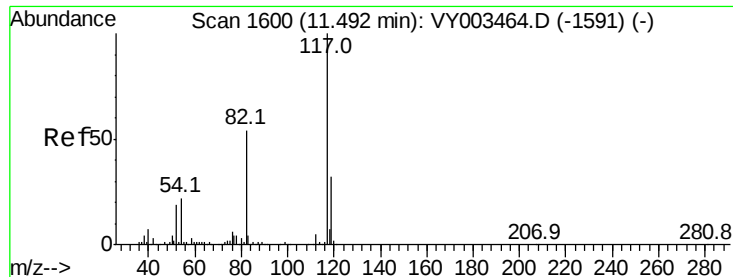
Tot Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
58 179.4 31.0 46.4#



#62
4-Bromofluorobenzene
Concen: 44.512 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003500.D
Acq: 03 Nov 2020 18:11

Tgt Ion: 95 Resp: 101218
Ion Ratio Lower Upper
95 100
174 98.4 0.0 193.0
176 94.5 0.0 187.4

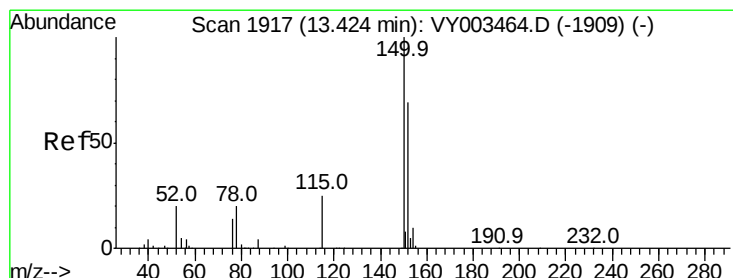
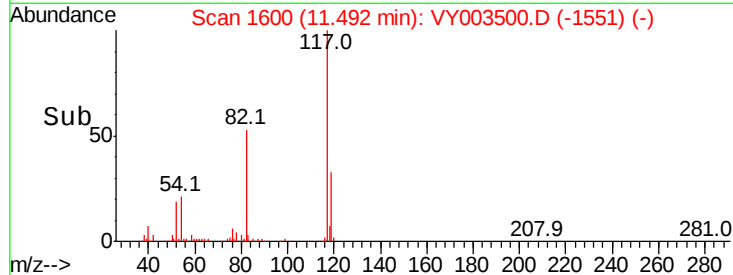
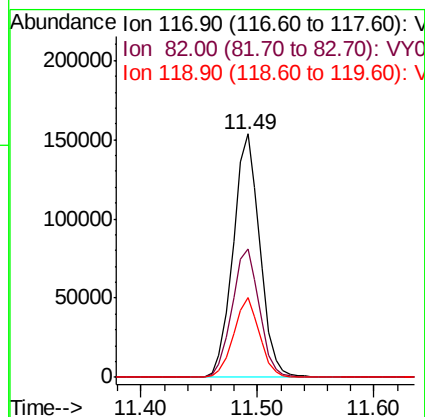
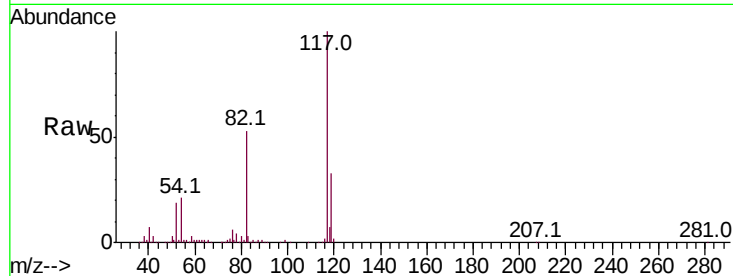




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003500.D
Acq: 03 Nov 2020 18:11

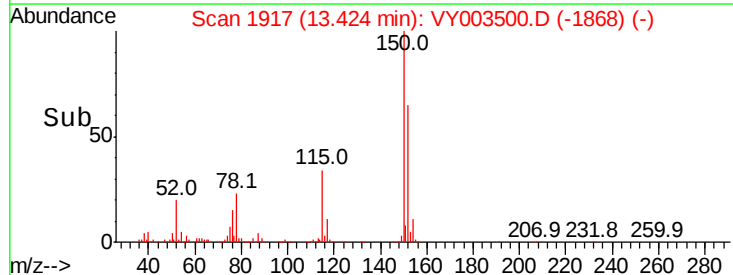
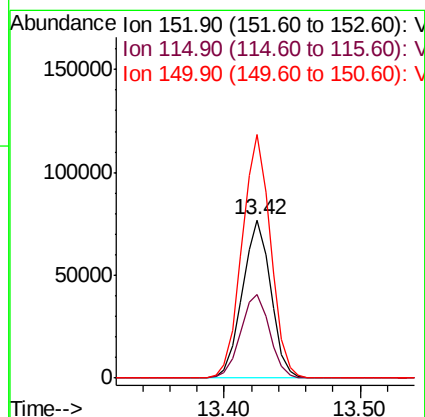
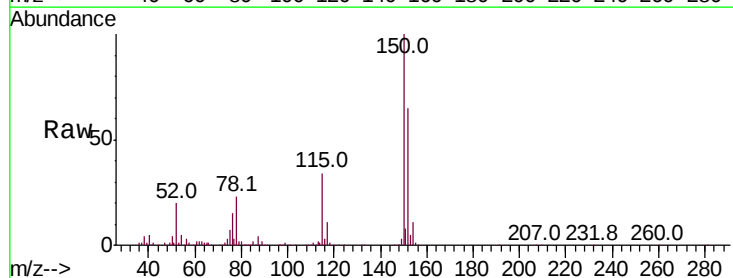
Instrument :
MSVOA_Y
ClientSampleId :
CRT-01RE

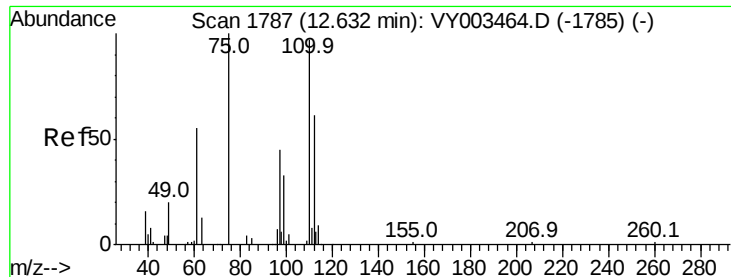
Tot Ion:117 Resp: 244772
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.2
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003500.D
Acq: 03 Nov 2020 18:11

Tgt Ion:152 Resp: 112214
Ion Ratio Lower Upper
152 100
115 53.7 27.5 82.4
150 154.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 46.986 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

Instrument :

MSVOA_Y

ClientSampleId :

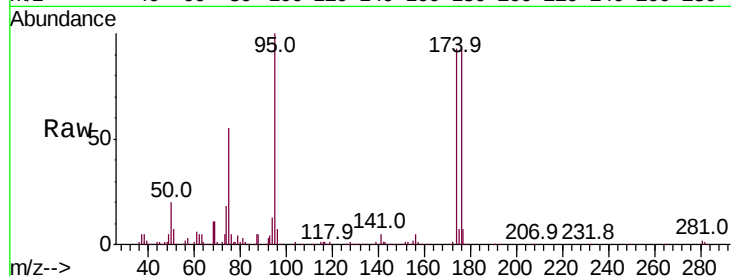
CRT-01RE

Tot Ion: 75 Resp: 55787

Ion Ratio Lower Upper

75 100

77 4.1 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

40000

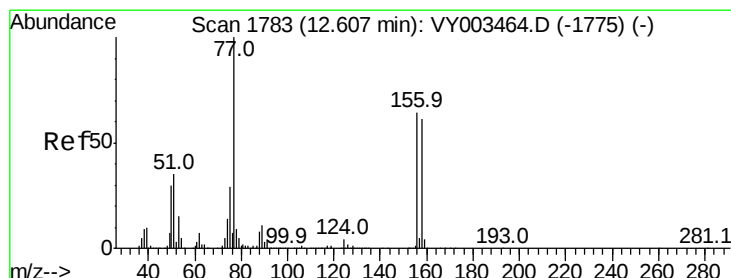
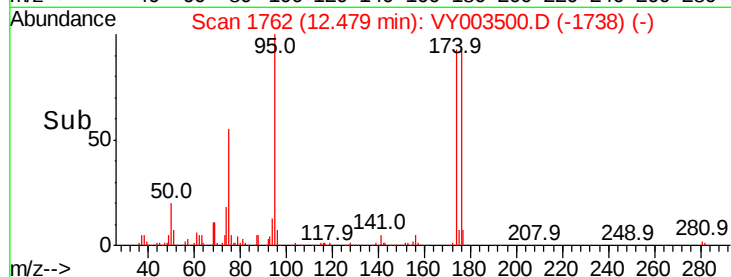
30000

20000

10000

0

Time-->



#77

Bromobenzene

Concen: 6.086 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.06 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

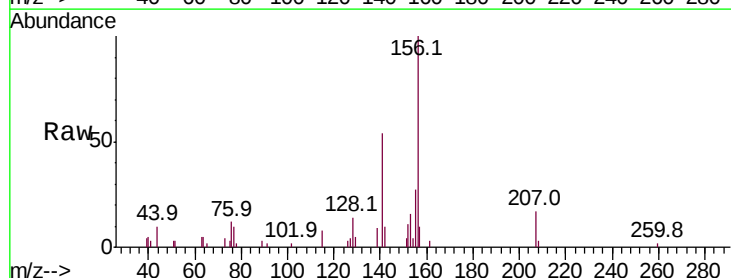
Tgt Ion: 156 Resp: 11334

Ion Ratio Lower Upper

156 100

77 0.0 87.0 260.9#

158 0.0 48.7 146.1#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

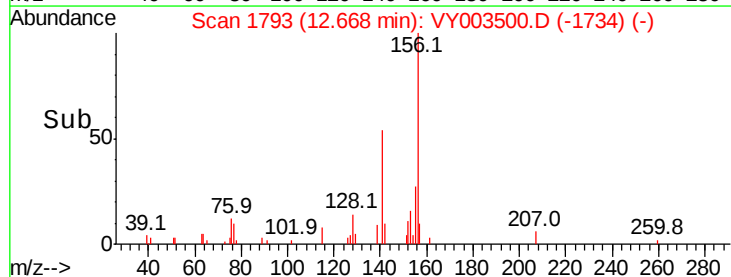
3000

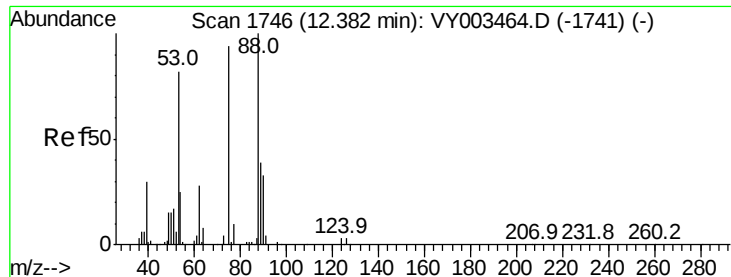
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 98.068 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

Instrument :

MSVOA_Y

ClientSampleId :

CRT-01RE

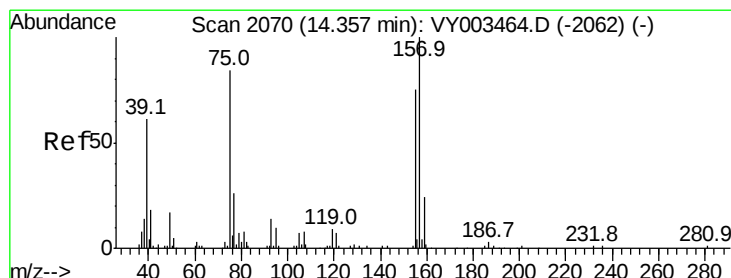
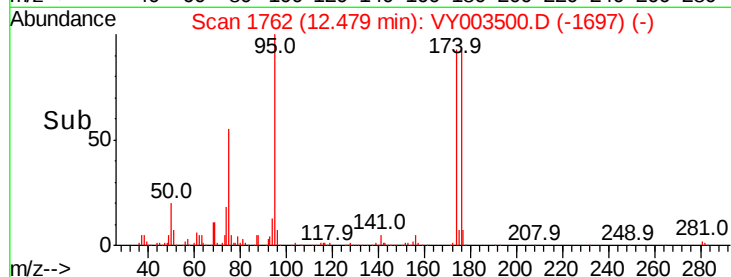
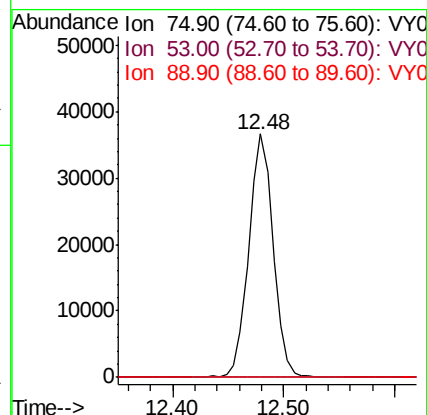
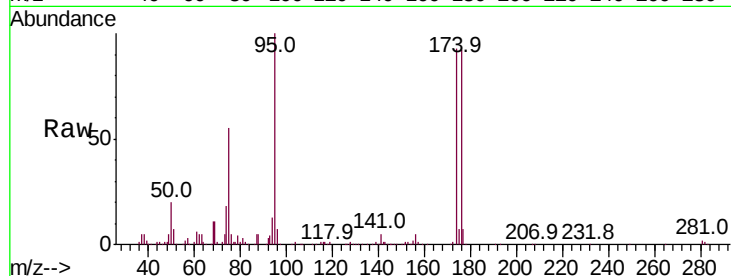
Tot Ion: 75 Resp: 55787

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.1 35.8 53.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.800 ug/l

RT: 14.53 min Scan# 2098

Delta R.T. 0.17 min

Lab File: VY003500.D

Acq: 03 Nov 2020 18:11

Tgt Ion: 75 Resp: 1077

Ion Ratio Lower Upper

75 100

155 253.4 45.6 136.7#

157 0.0 60.3 180.8#

