

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\
 Data File : VY003491.D
 Acq On : 03 Nov 2020 14:47
 Operator : SY/MD
 Sample : L4600-05
 Misc : 6.61G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRT-23

Quant Time: Nov 04 00:23:56 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

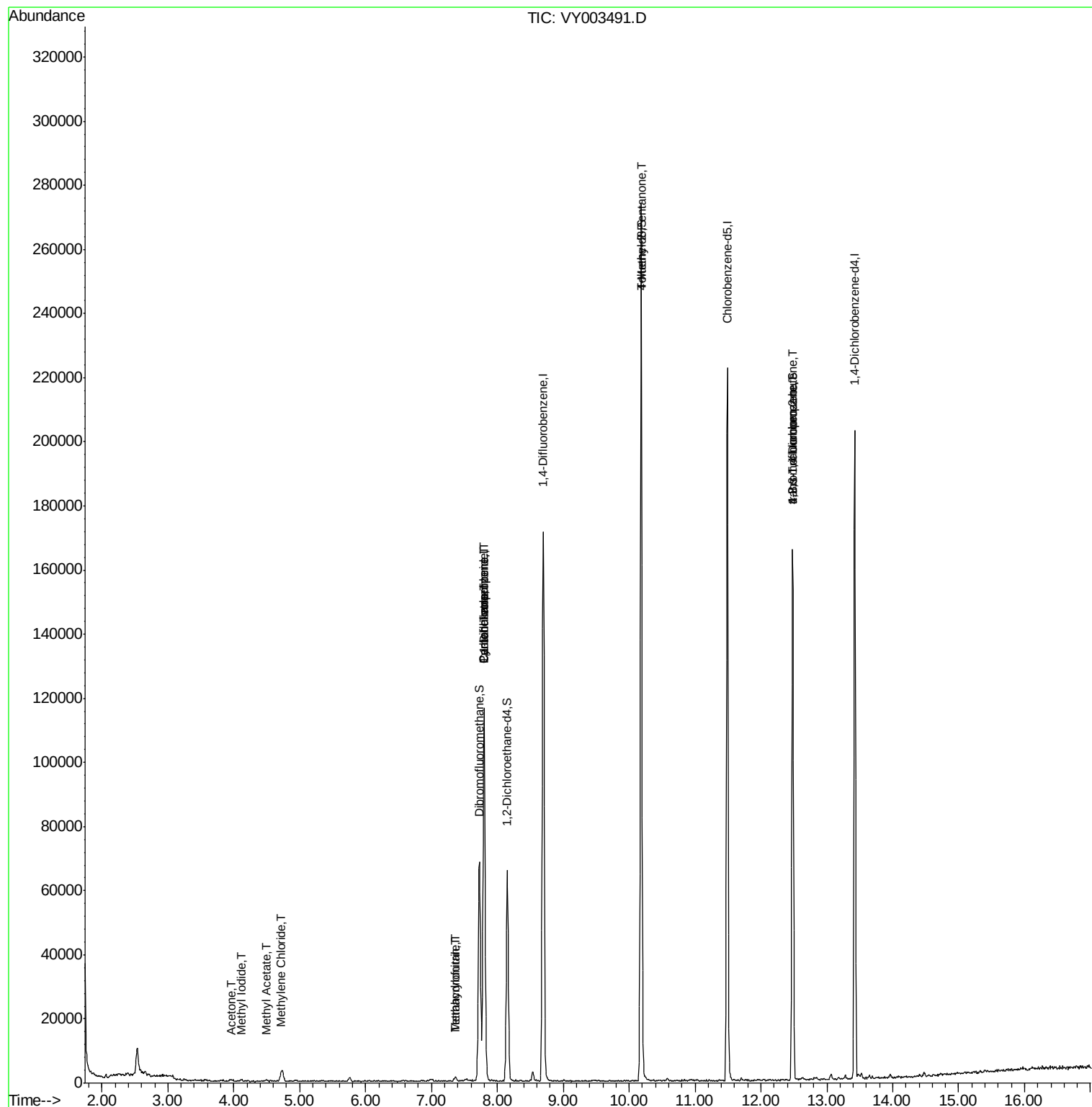
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	95714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	146828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	119141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	52657	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	52282	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	7.73	113	46771	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.18	98	176782	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
62) 4-Bromofluorobenzene	12.48	95	46464	37.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.46%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.12	142	687	5.378	ug/l #	75
11) Tert butyl alcohol	4.96	59	76	Below Cal	#	73
16) Acetone	3.97	43	872	2.694	ug/l #	77
18) Methyl Acetate	4.49	43	783	1.280	ug/l #	73
20) Methylene Chloride	4.72	84	2716	2.979	ug/l #	78
29) Tetrahydrofuran	7.36	42	1010	4.774	ug/l #	85
31) Cyclohexane	7.80	56	1731	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	6766	4.887	ug/l #	50
38) Carbon Tetrachloride	7.80	117	8408	5.855	ug/l #	17
41) Methacrylonitrile	7.36	41	646	1.407	ug/l #	100
51) 4-Methyl-2-Pentanone	10.18	43	855	1.039	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	24860	44.620	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	24860	93.130	ug/l #	12

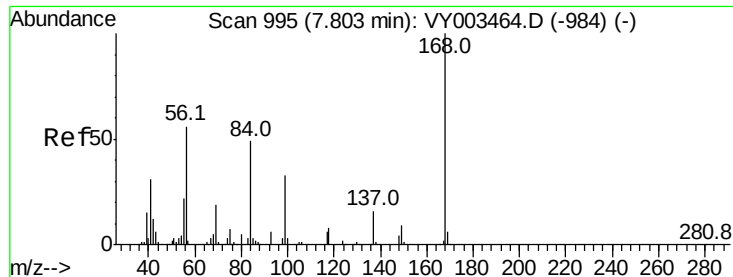
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003491.D

Acq: 03 Nov 2020 14:47

Instrument :

MSVOA_Y

ClientSampled :

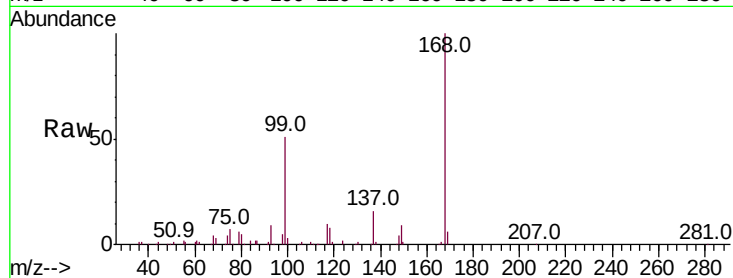
CRT-23

Tot Ion:168 Resp: 95714

Ion Ratio Lower Upper

168 100

99 50.8 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

40000

30000

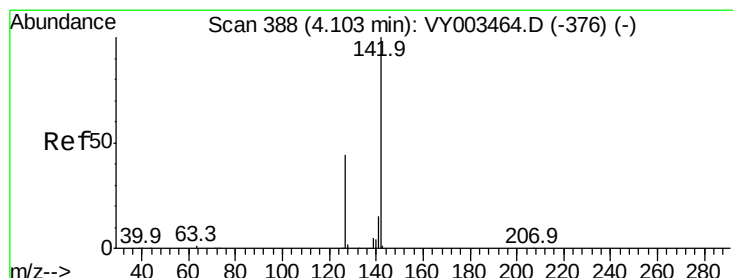
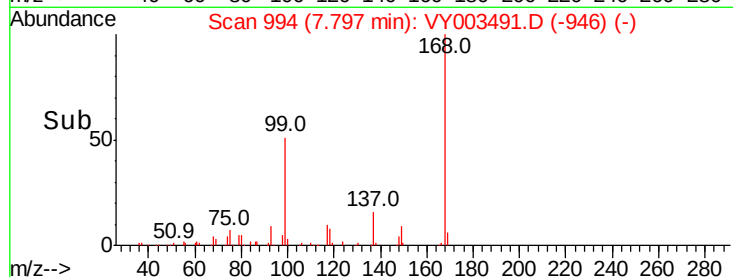
20000

10000

0

Time-->

7.70 7.80 7.90



#10

Methyl Iodide

Concen: 5.378 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.02 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

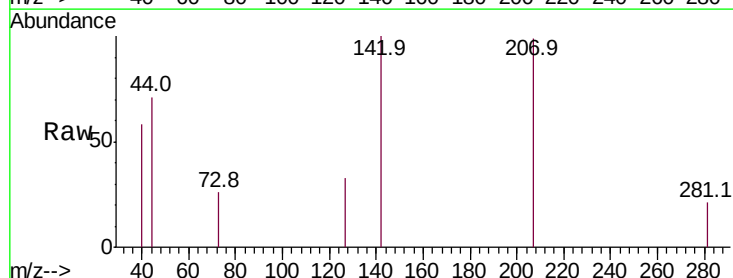
Tgt Ion:142 Resp: 687

Ion Ratio Lower Upper

142 100

127 29.5 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

4.12

300

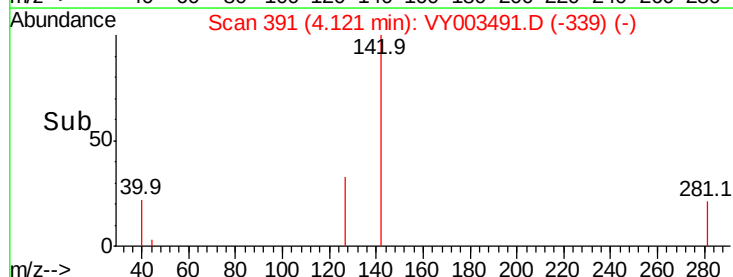
200

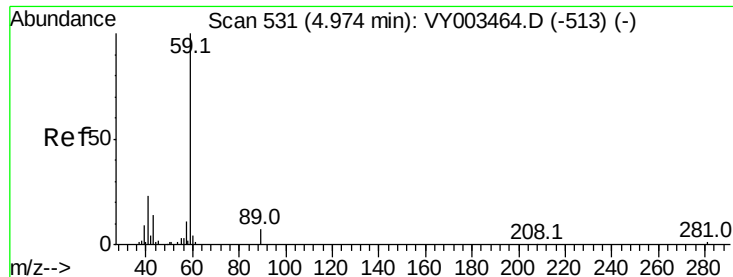
100

0

Time-->

4.05 4.10 4.15



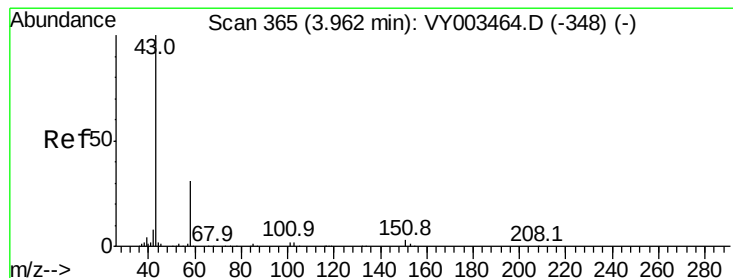
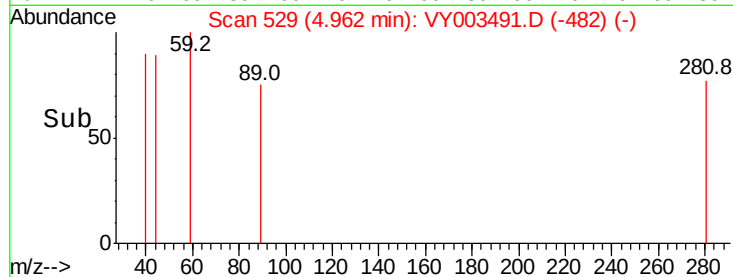
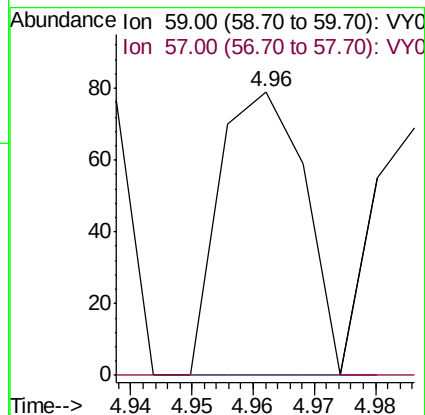
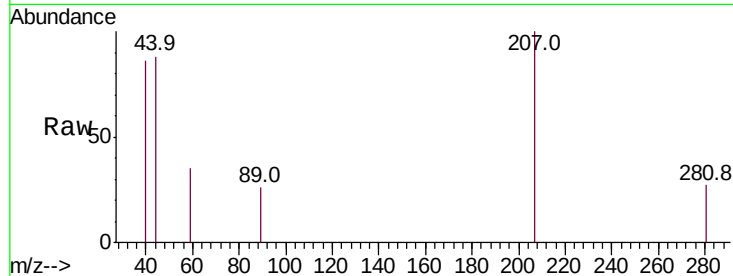


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY003491.D
 Acq: 03 Nov 2020 14:47

Instrument :
 MSVOA_Y
 ClientSampled :
 CRT-23

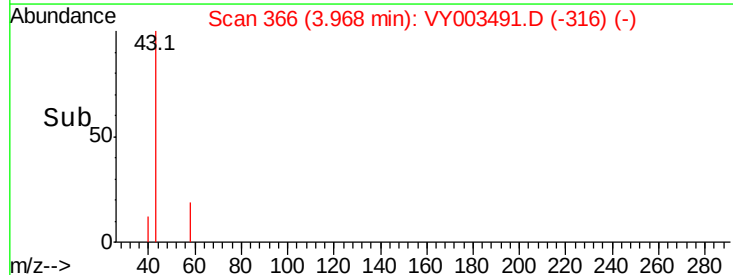
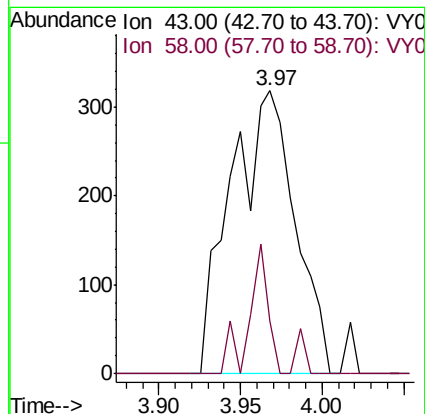
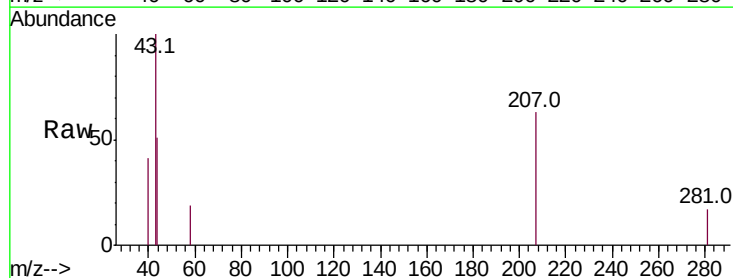
Tot Ion: 59 Resp: 76
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

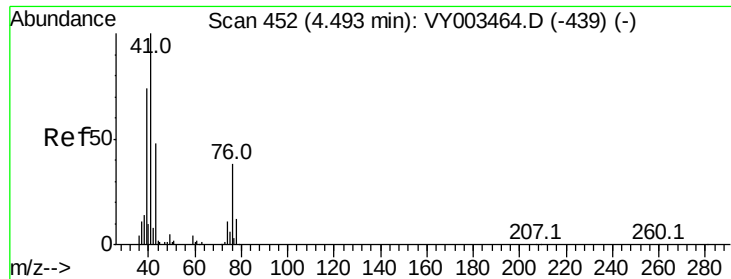


#16

Acetone
 Concen: 2.694 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY003491.D
 Acq: 03 Nov 2020 14:47

Tgt Ion: 43 Resp: 872
 Ion Ratio Lower Upper
 43 100
 58 18.6 25.0 37.4#

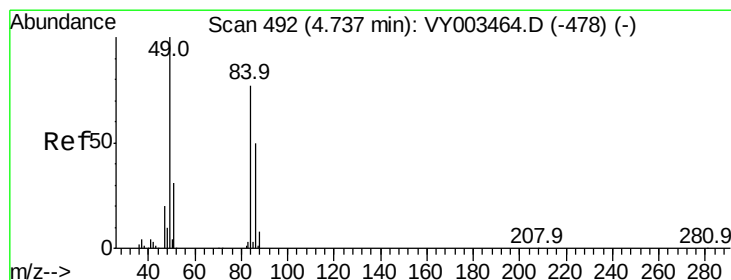
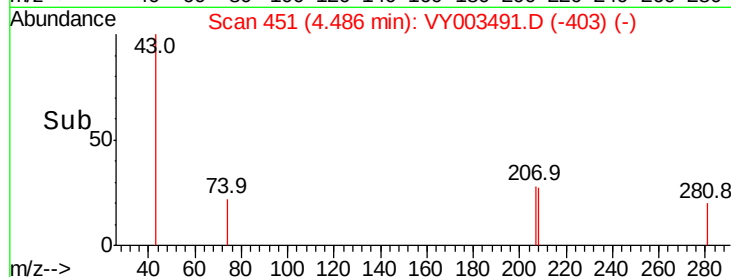
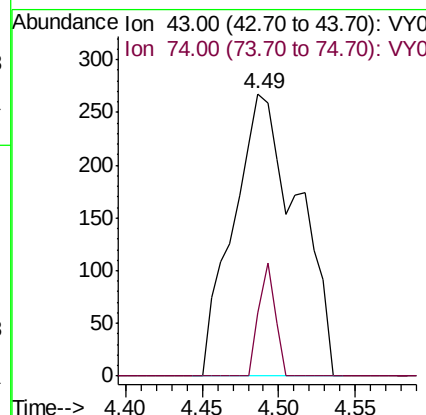
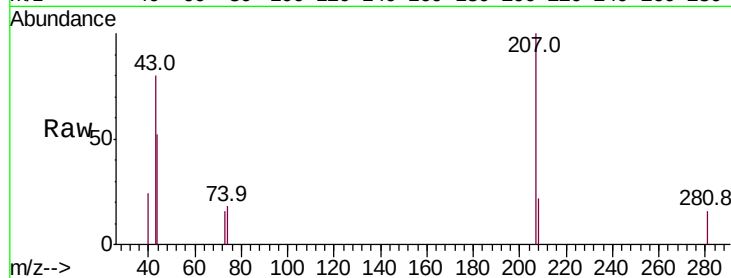




#18
Methyl Acetate
Concen: 1.280 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY003491.D
Acq: 03 Nov 2020 14:47

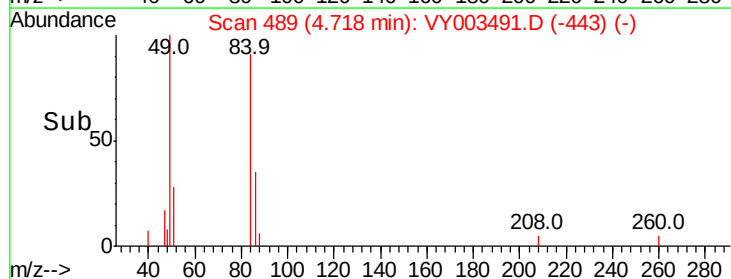
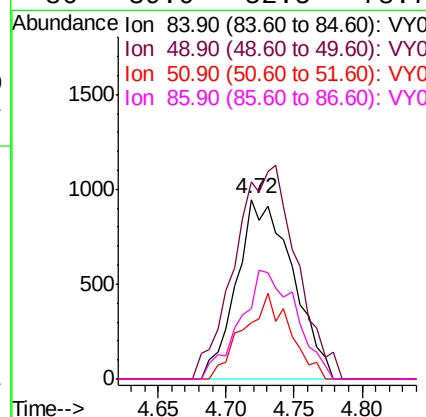
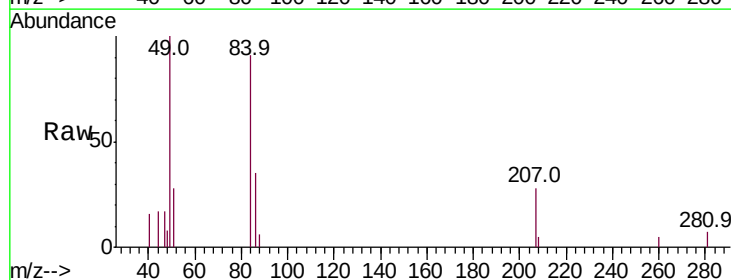
Instrument :
MSVOA_Y
ClientSampled :
CRT-23

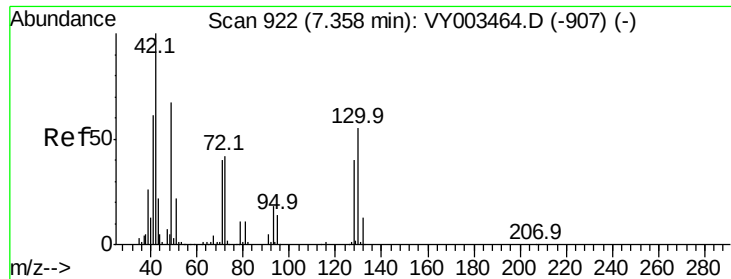
Tot Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
74 10.1 18.4 27.6#



#20
Methylene Chloride
Concen: 2.979 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.02 min
Lab File: VY003491.D
Acq: 03 Nov 2020 14:47

Tgt Ion: 84 Resp: 2716
Ion Ratio Lower Upper
84 100
49 109.9 104.3 156.5
51 31.0 32.5 48.7#
86 39.0 52.5 78.7#

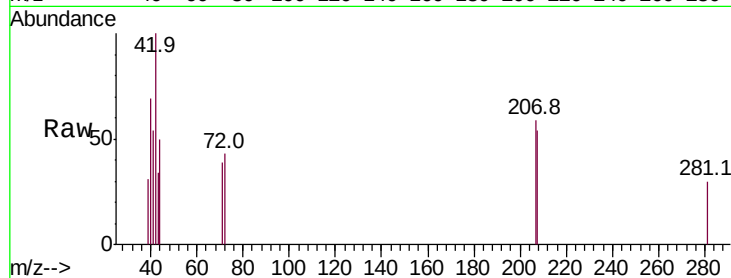




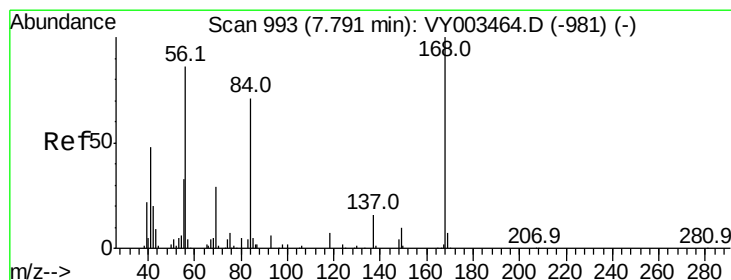
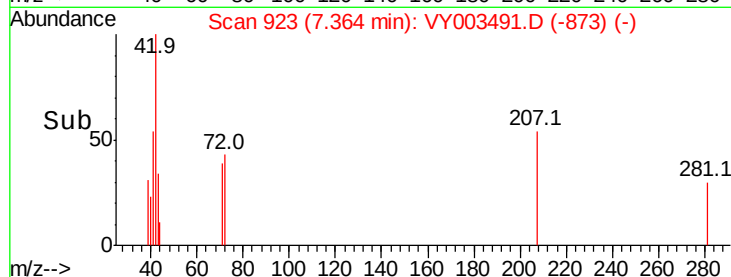
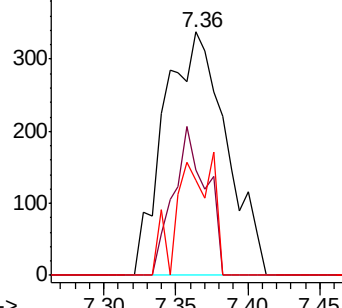
#29
Tetrahydrofuran
Concen: 4.774 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY003491.D
Acq: 03 Nov 2020 14:47

Instrument :
MSVOA_Y
ClientSampled :
CRT-23

Tot Ion: 42 Resp: 1010
Ion Ratio Lower Upper
42 100
72 32.4 32.8 49.2#
71 27.9 30.7 46.1#

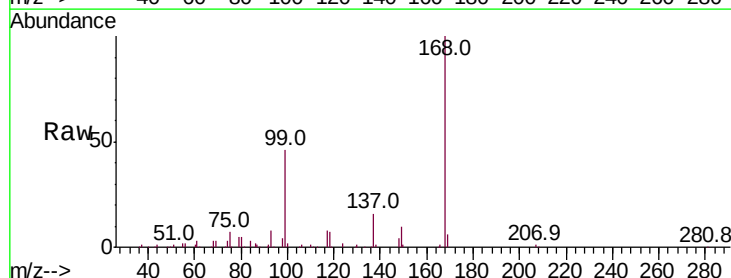


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

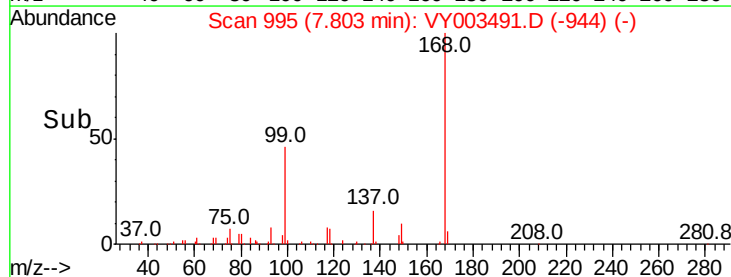
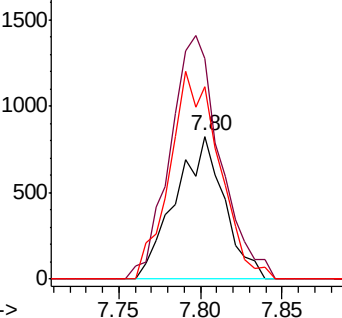


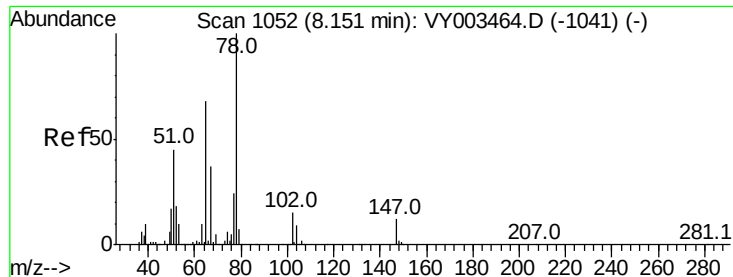
#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY003491.D
Acq: 03 Nov 2020 14:47

Tgt Ion: 56 Resp: 1731
Ion Ratio Lower Upper
56 100
69 154.5 26.6 39.8#
84 134.2 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

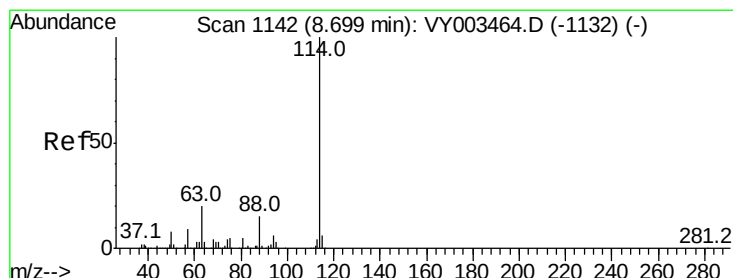
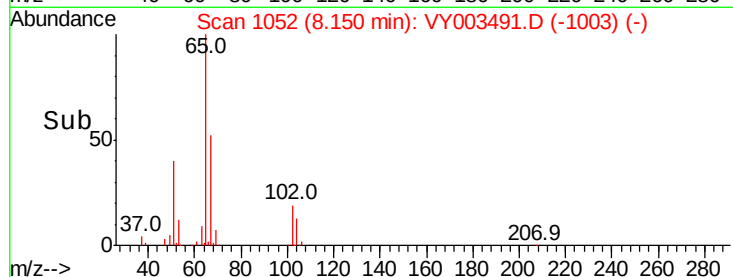
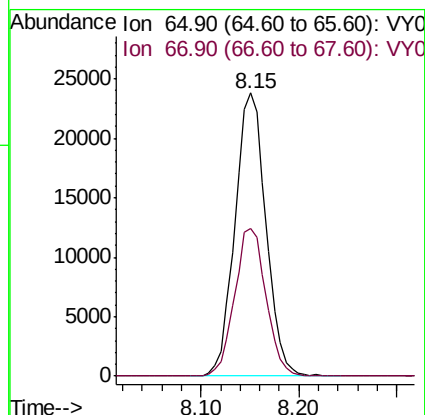
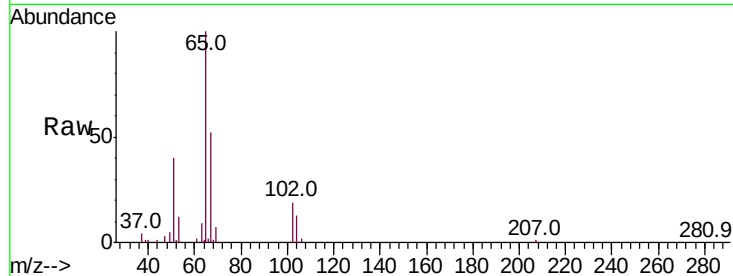




#33
 1,2-Dichloroethane-d4
 Concen: 53.281 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY003491.D
 Acq: 03 Nov 2020 14:47

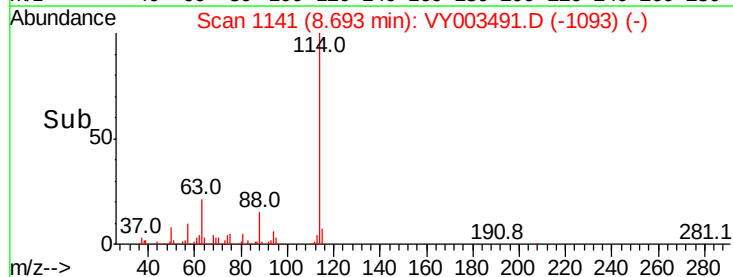
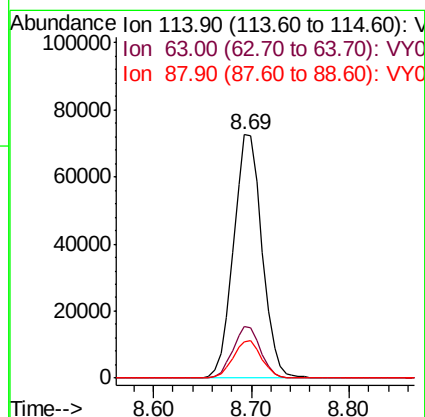
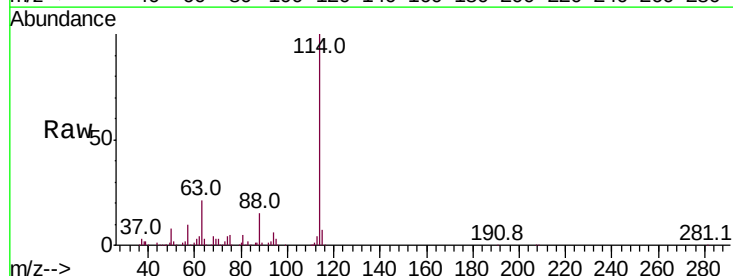
Instrument :
 MSVOA_Y
 ClientSampled :
 CRT-23

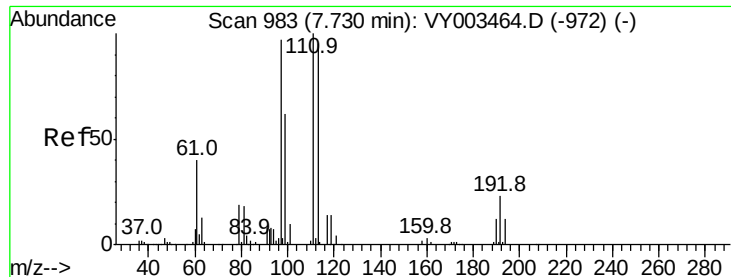
Tot Ion: 65 Resp: 52282
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY003491.D
 Acq: 03 Nov 2020 14:47

Tgt Ion: 114 Resp: 146828
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.6
 88 15.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.347 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

Instrument :

MSVOA_Y

ClientSampled :

CRT-23

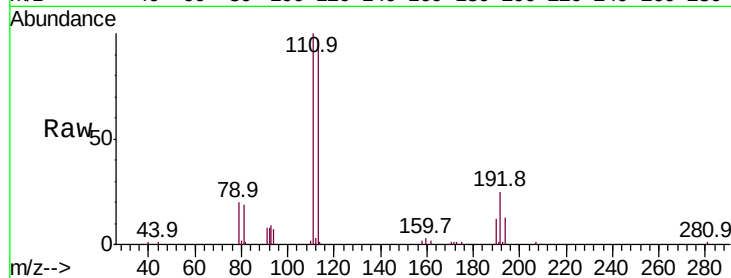
Tot Ion:113 Resp: 46771

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

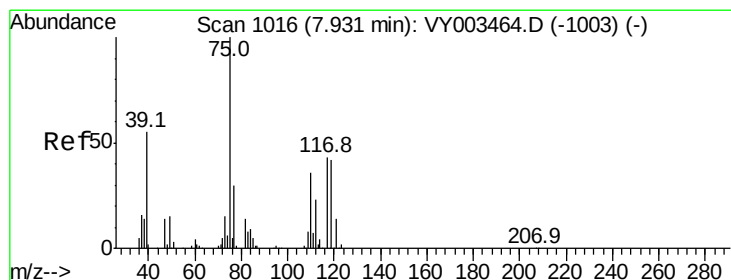
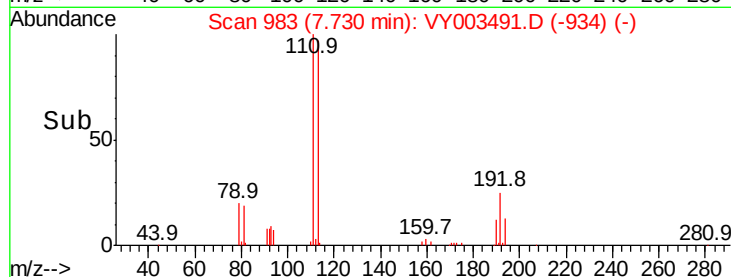
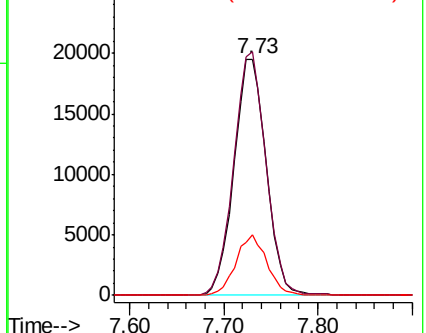
192 24.4 18.8 28.2



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: 4.887 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

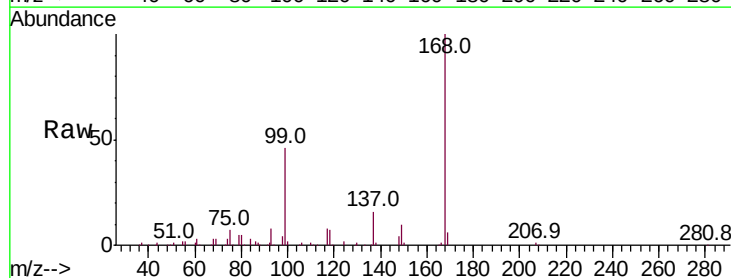
Tgt Ion: 75 Resp: 6766

Ion Ratio Lower Upper

75 100

110 9.3 17.6 52.9#

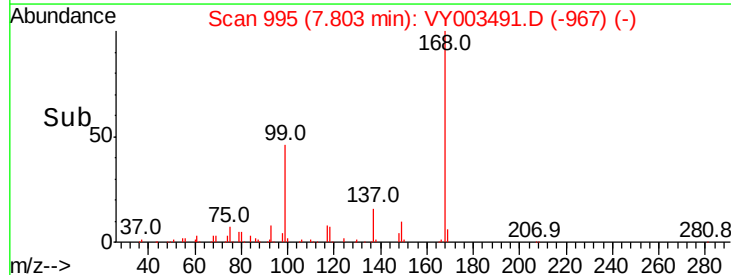
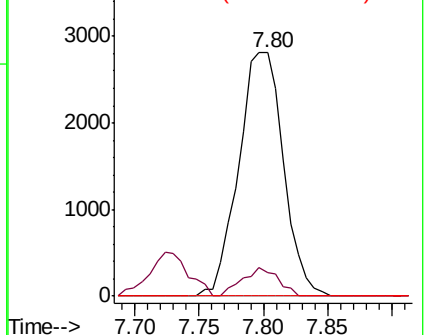
77 0.0 24.7 37.1#

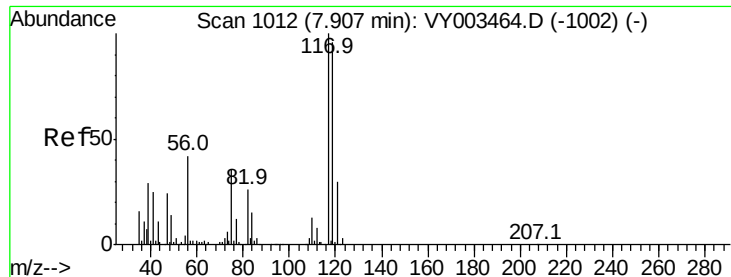


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.855 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

Instrument :

MSVOA_Y

ClientSampled :

CRT-23

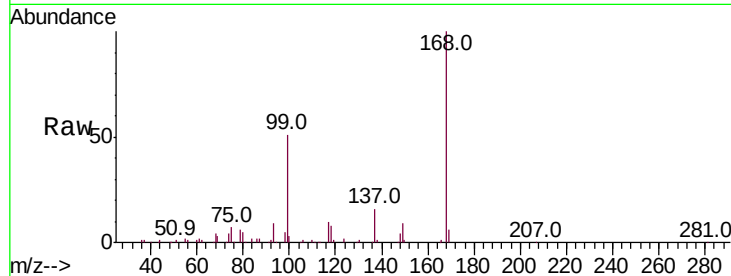
Tot Ion:117 Resp: 8408

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

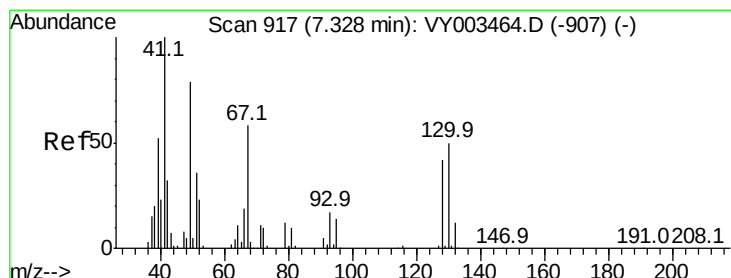
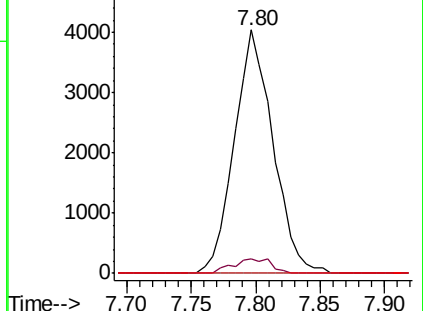
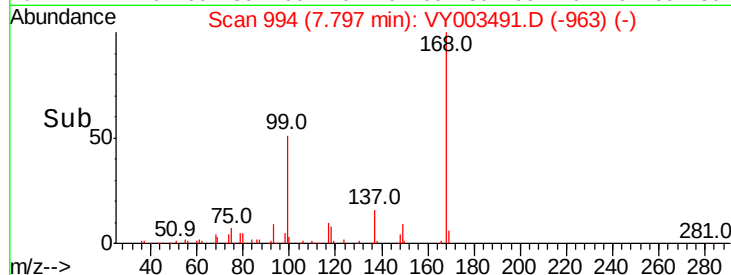
121 0.0 24.2 36.4#



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



#41

Methacrylonitrile

Concen: 1.407 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.03 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

Tgt Ion: 41 Resp: 646

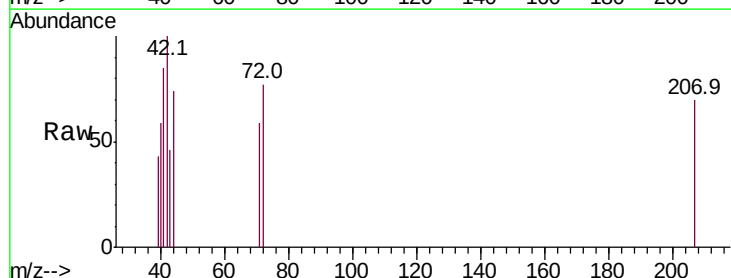
Ion Ratio Lower Upper

41 100

39 26.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

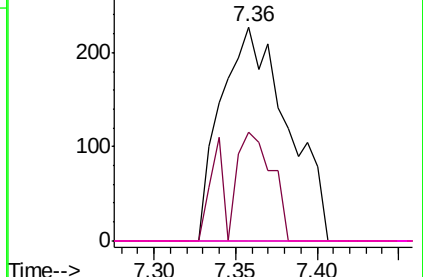
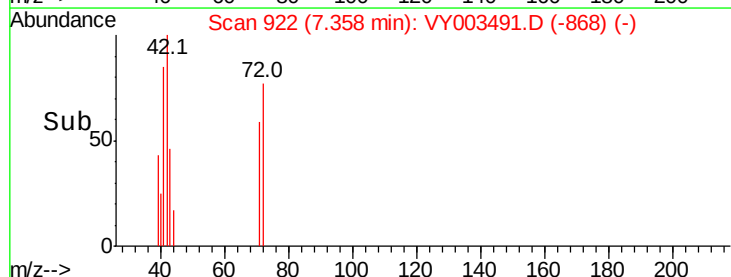


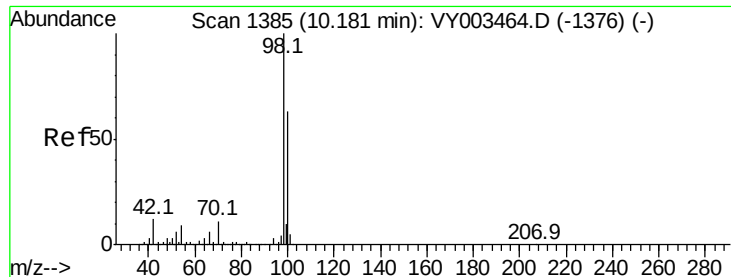
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 47.561 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

Instrument :

MSVOA_Y

ClientSampled :

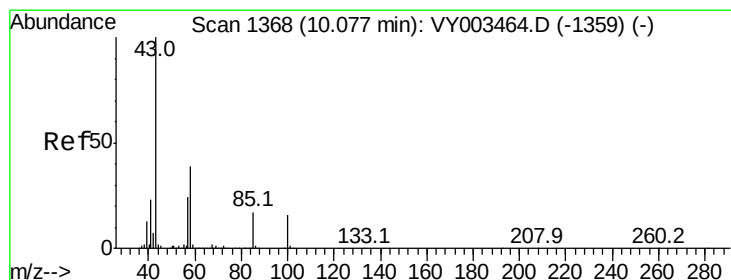
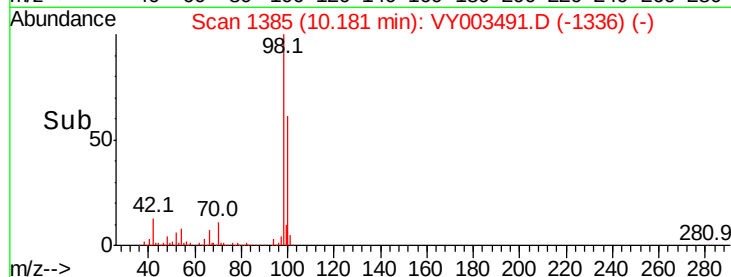
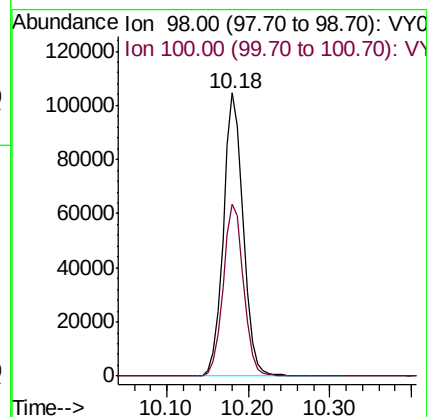
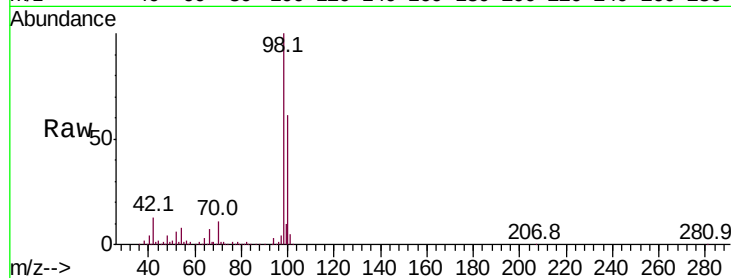
CRT-23

Tot Ion: 98 Resp: 176782

Ion Ratio Lower Upper

98 100

100 62.5 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 1.039 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY003491.D

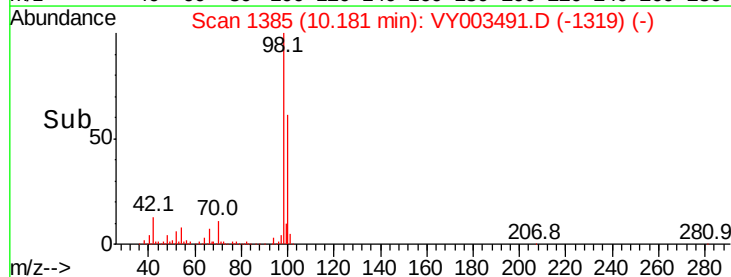
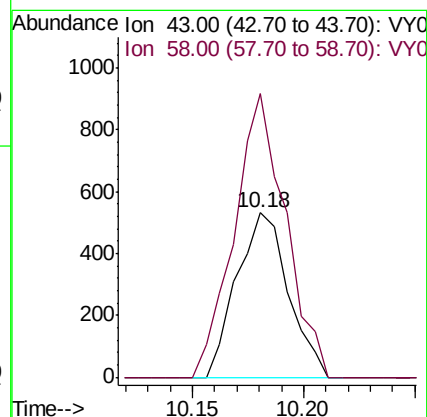
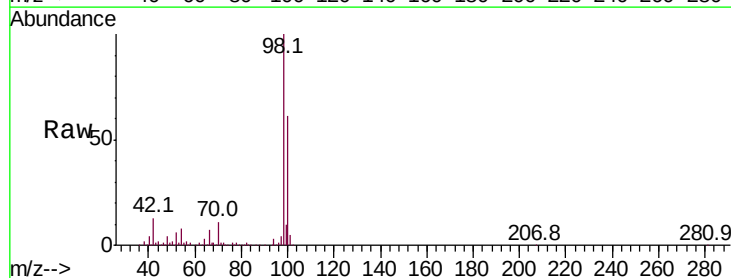
Acq: 03 Nov 2020 14:47

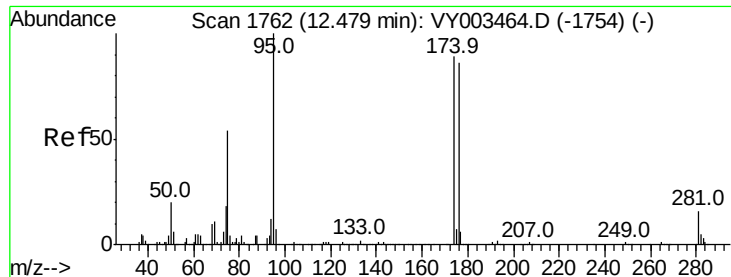
Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

58 171.7 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 37.728 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

Instrument :

MSVOA_Y

ClientSampleId :

CRT-23

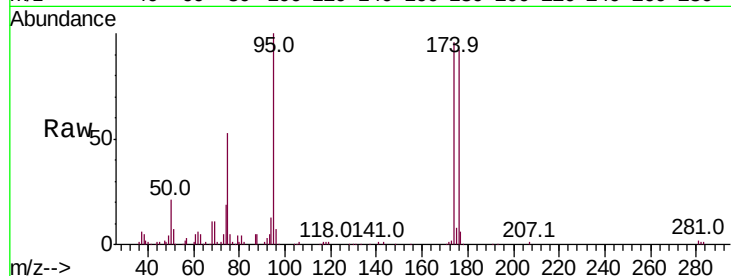
Tot Ion: 95 Resp: 46464

Ion Ratio Lower Upper

95 100

174 99.4 0.0 193.0

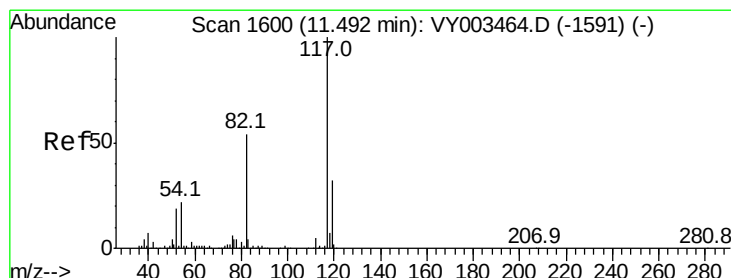
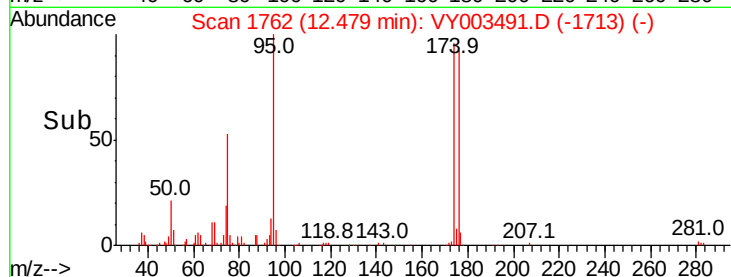
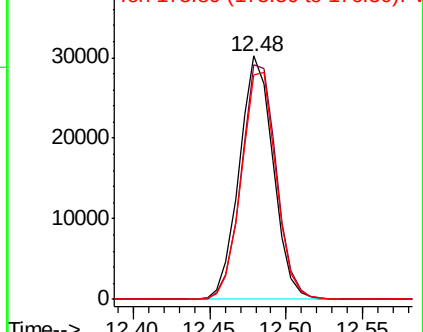
176 95.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VY003491.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003491.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003491.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

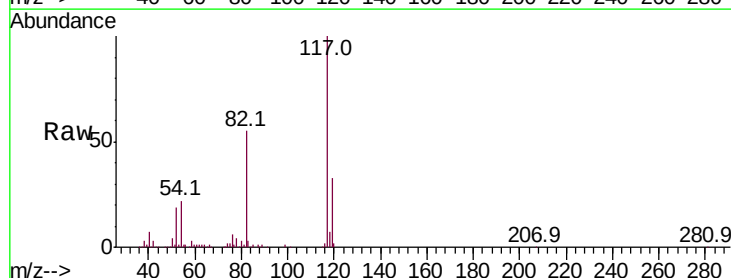
Tgt Ion: 117 Resp: 119141

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.2

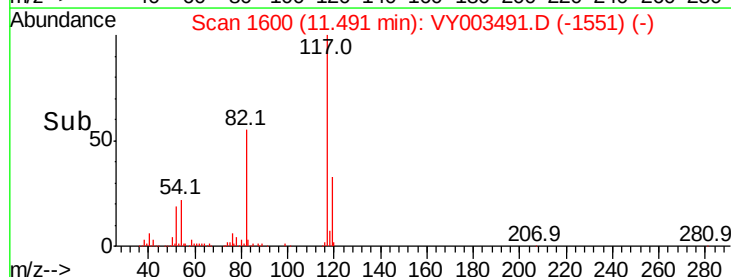
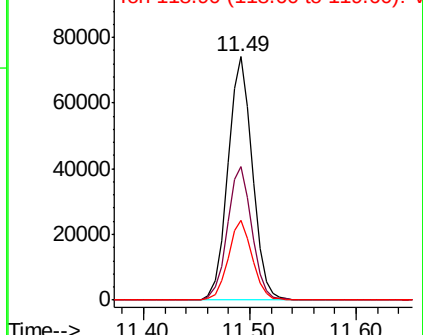
119 32.7 25.8 38.6

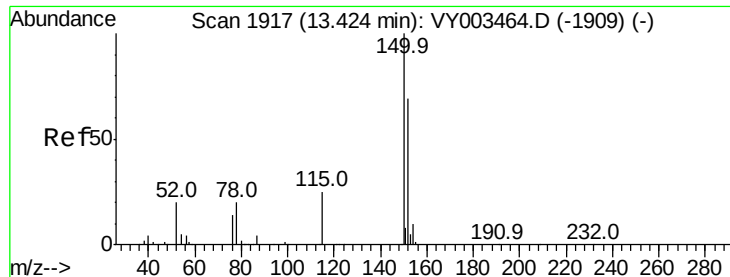


Abundance Ion 116.90 (116.60 to 117.60): VY003491.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003491.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003491.D (-1551) (-)



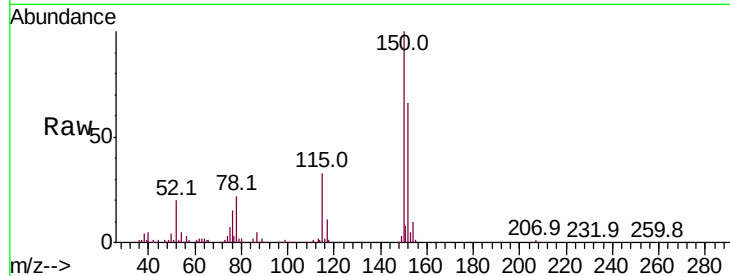


#72

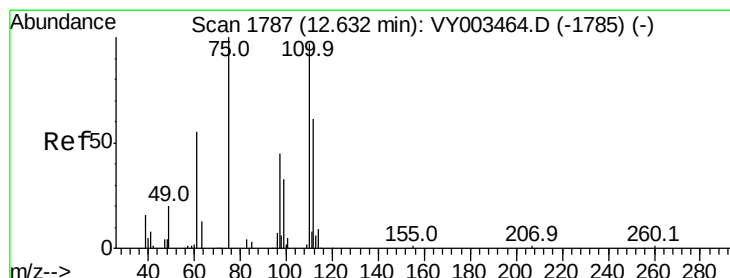
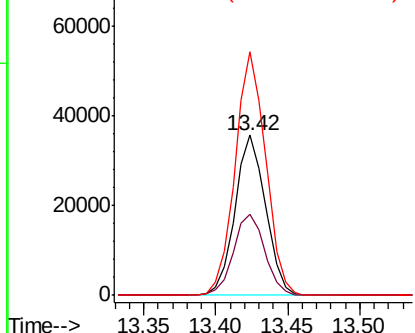
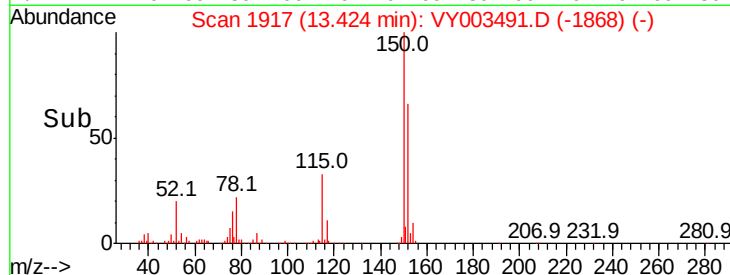
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003491.D
Acq: 03 Nov 2020 14:47

Instrument :
MSVOA_Y
ClientSampled :
CRT-23

Tot Ion:152 Resp: 52657
Ion Ratio Lower Upper
152 100
115 52.2 27.5 82.4
150 151.9 0.0 345.8



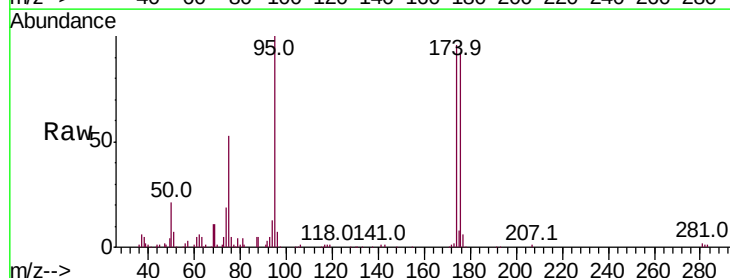
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



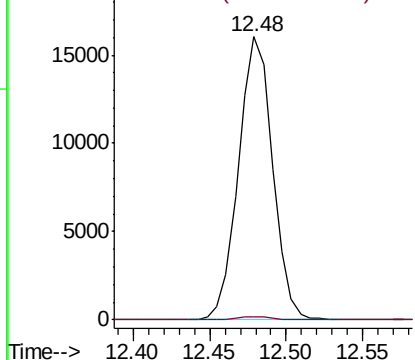
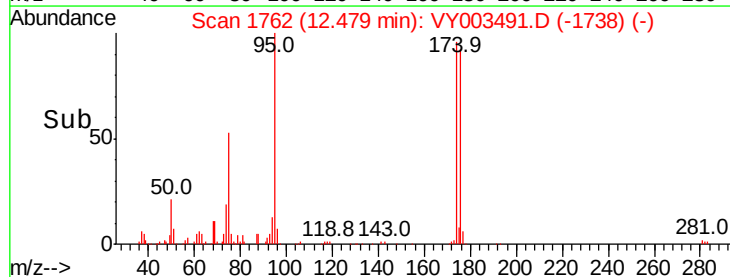
#76

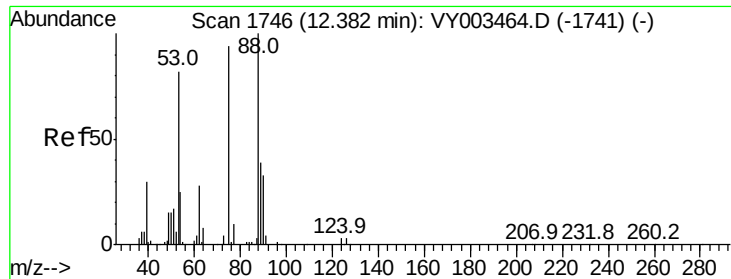
1,2,3-Trichloropropane
Concen: 44.620 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003491.D
Acq: 03 Nov 2020 14:47

Tgt Ion: 75 Resp: 24860
Ion Ratio Lower Upper
75 100
77 1.2 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: 93.130 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003491.D

Acq: 03 Nov 2020 14:47

Instrument :

MSVOA_Y

ClientSampleId :

CRT-23

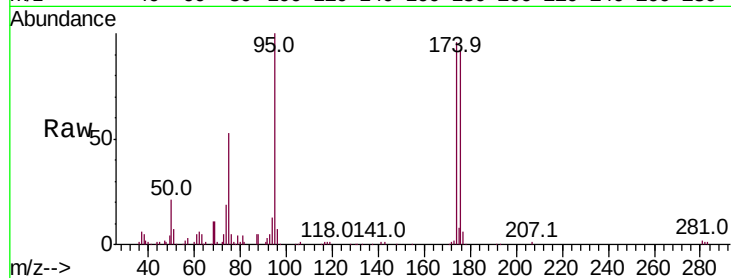
Tot Ion: 75 Resp: 24860

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

