

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020322\
 Data File : VY007373.D
 Acq On : 03 Feb 2022 12:59
 Operator : SY/MD
 Sample : N1381-08
 Misc : 6.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 08:40:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

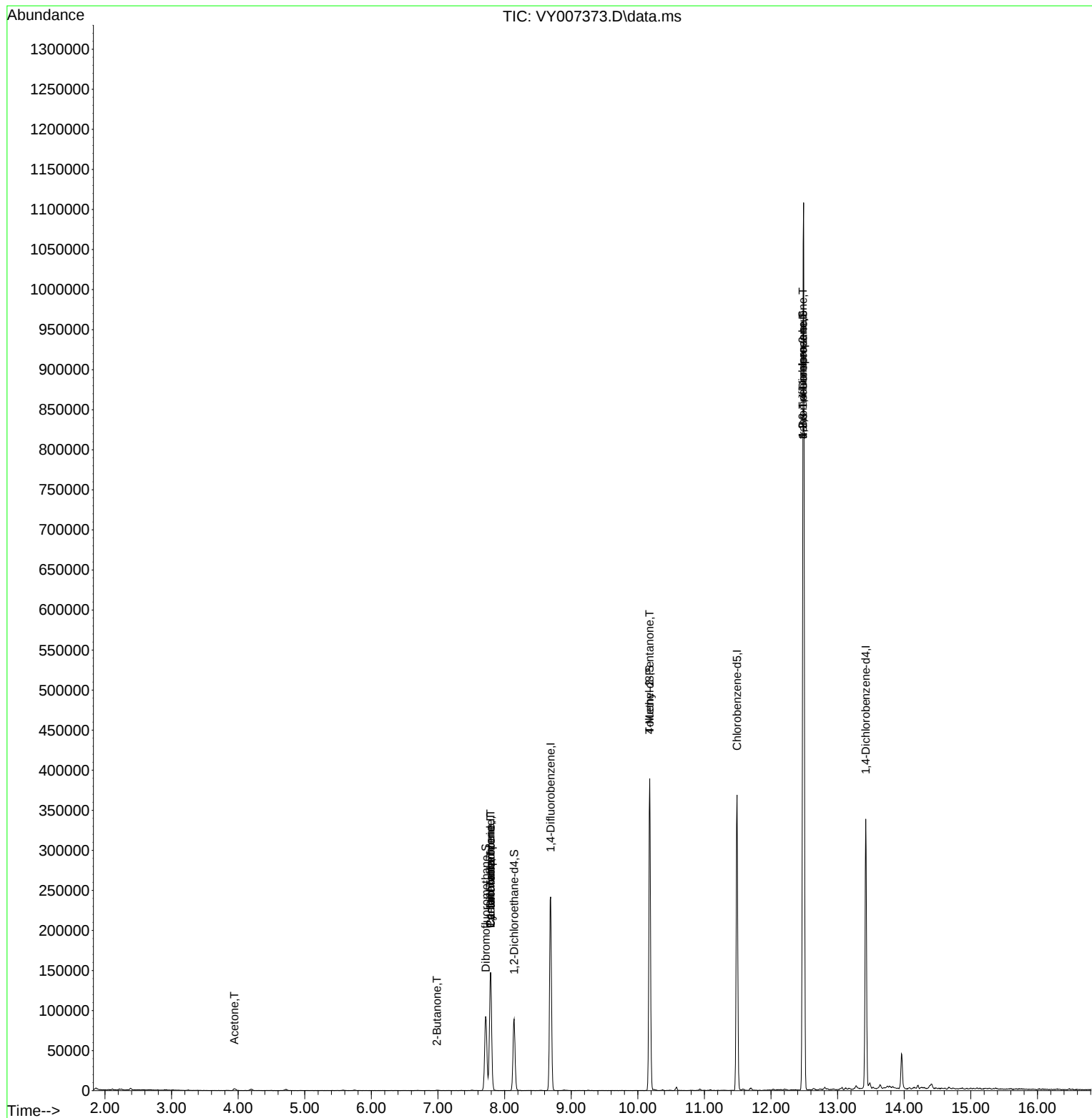
Internal Standards						
1) Pentafluorobenzene	7.789	168	108998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	204931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	192624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	80468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	67881	54.143	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.280%	
35) Dibromofluoromethane	7.716	113	66023	50.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.340%	
50) Toluene-d8	10.179	98	252463	51.928	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	12.477	95	92846	56.187	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	1043	Below Cal		93
11) Tert butyl alcohol	4.930	59	81	Below Cal	#	77
16) Acetone	3.942	43	4107	10.086	ug/l	97
20) Methylene Chloride	4.716	84	1047	Below Cal	#	69
25) 2-Butanone	6.984	43	813	1.653	ug/l	# 88
31) Cyclohexane	7.789	56	2492	1.019	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	9206	4.002	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	12179	5.039	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.179	43	1241	1.144	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	58820	61.488	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	58820	123.186	ug/l	# 9

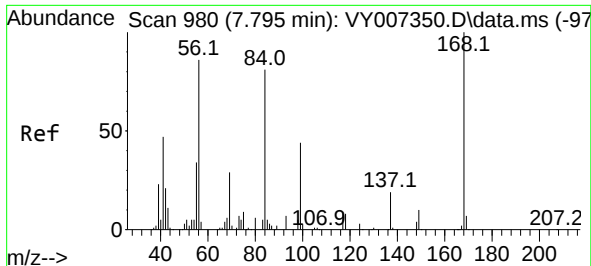
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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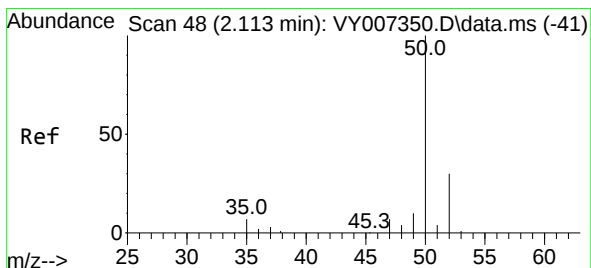
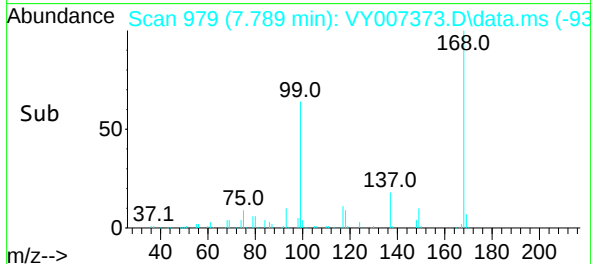
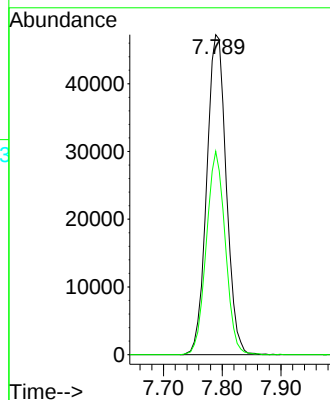
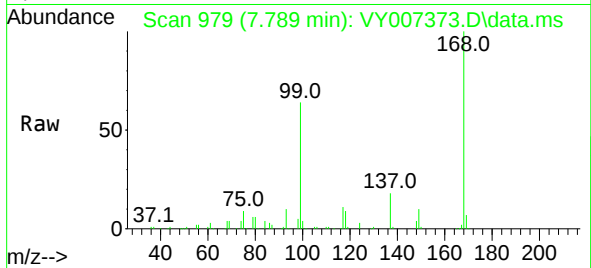




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007373.D
Acq: 03 Feb 2022 12:59

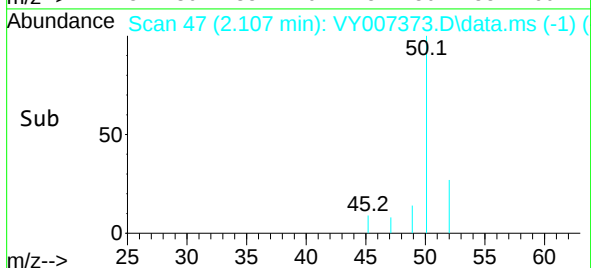
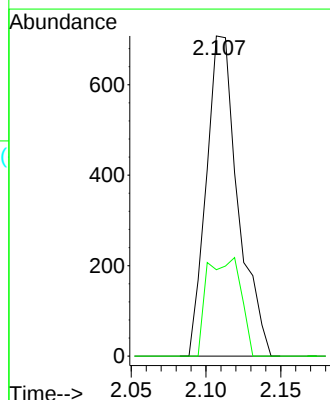
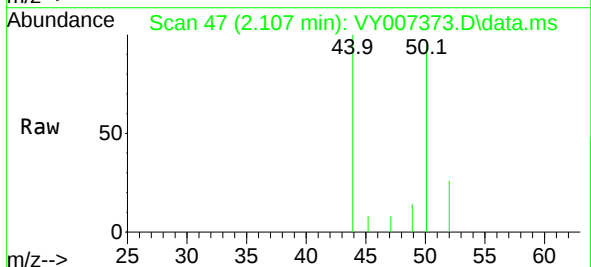
Instrument :
MSVOA_Y
ClientSampleId :

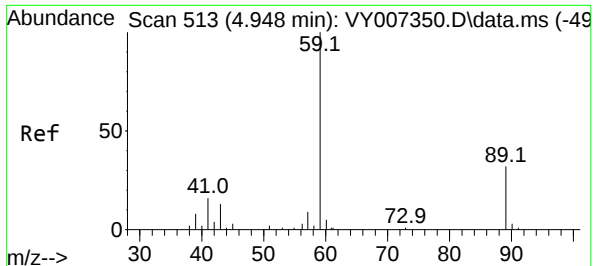
Tgt Ion:168 Resp: 108998
Ion Ratio Lower Upper
168 100
99 63.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY007373.D
Acq: 03 Feb 2022 12:59

Tgt Ion: 50 Resp: 1043
Ion Ratio Lower Upper
50 100
52 27.0 24.6 37.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY007373.D

Acq: 03 Feb 2022 12:59

Instrument :

MSVOA_Y

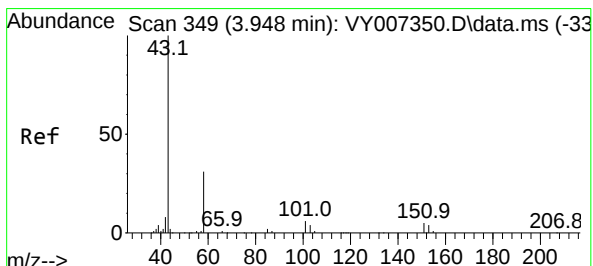
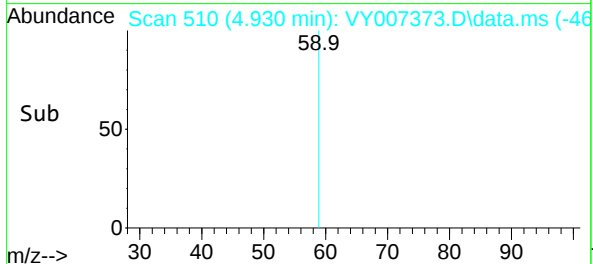
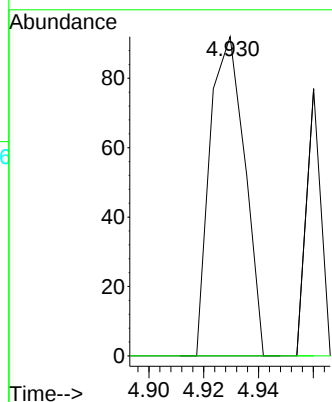
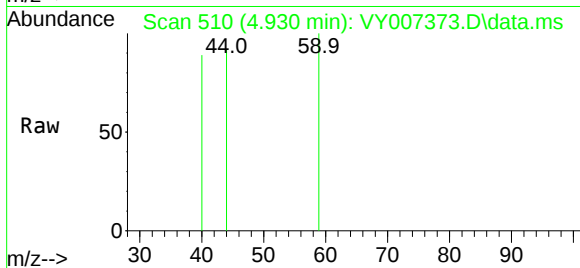
ClientSampleId :

Tgt Ion: 59 Resp: 81

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 10.086 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY007373.D

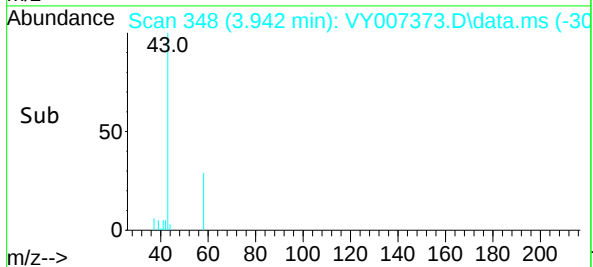
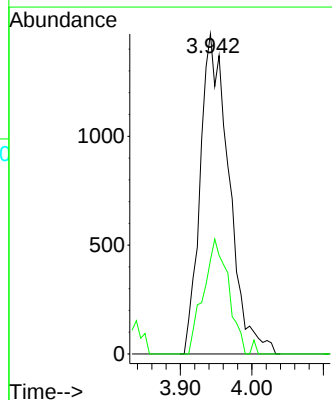
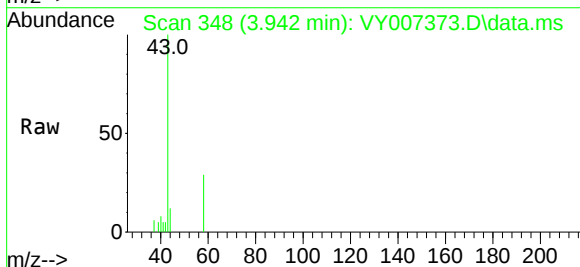
Acq: 03 Feb 2022 12:59

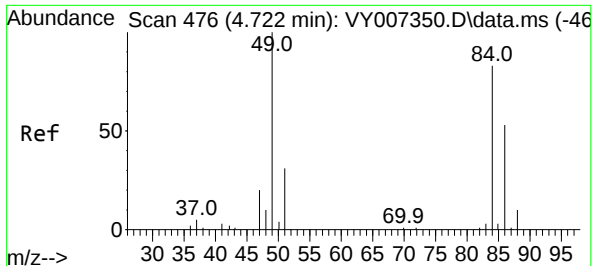
Tgt Ion: 43 Resp: 4107

Ion Ratio Lower Upper

43 100

58 29.3 22.0 33.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. -0.006 min

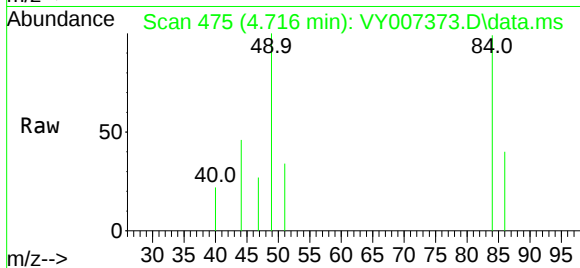
Lab File: VY007373.D

Acq: 03 Feb 2022 12:59

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1047

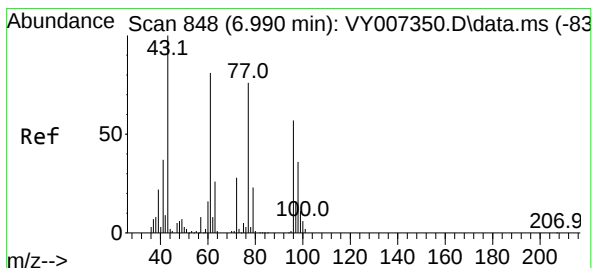
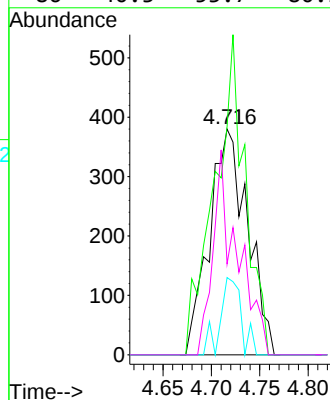
Ion Ratio Lower Upper

84 100

49 101.1 114.4 171.6#

51 34.2 35.3 52.9#

86 40.3 53.7 80.5#



#25

2-Butanone

Concen: 1.653 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY007373.D

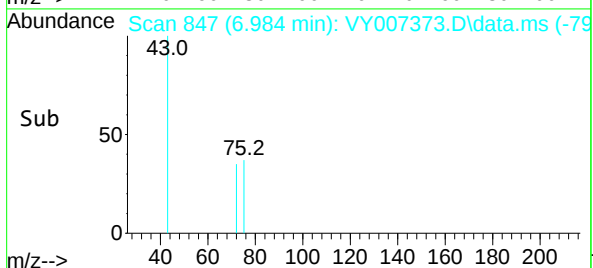
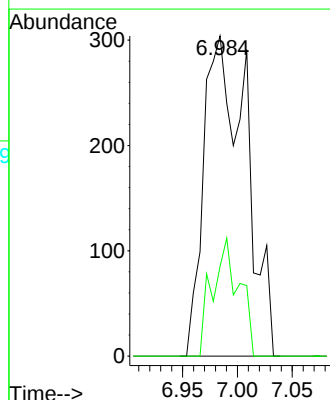
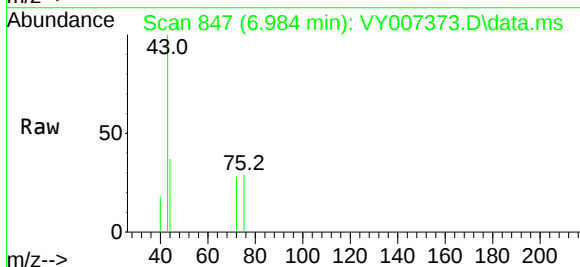
Acq: 03 Feb 2022 12:59

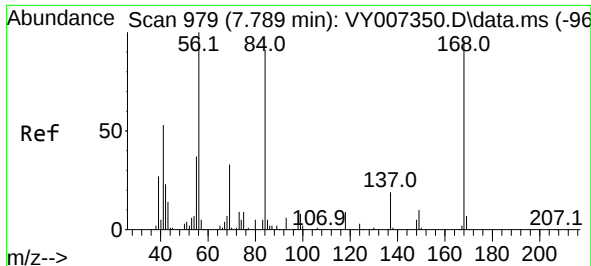
Tgt Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

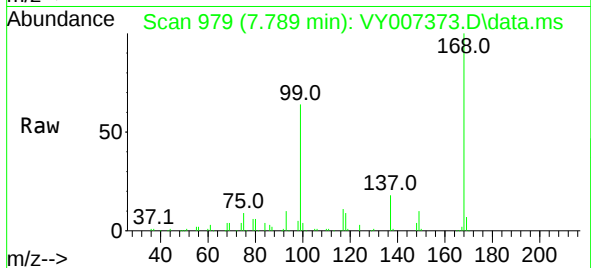
72 28.0 17.7 26.5#



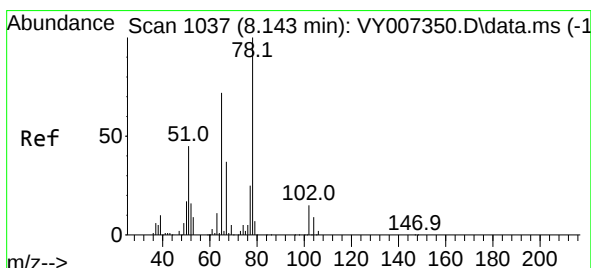
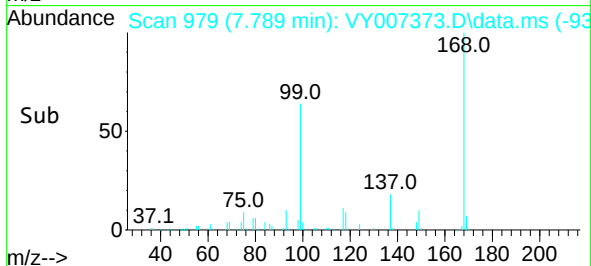
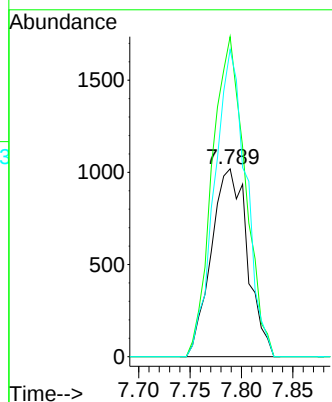


#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007373.D
Acq: 03 Feb 2022 12:59

Instrument :
MSVOA_Y
ClientSampleId :

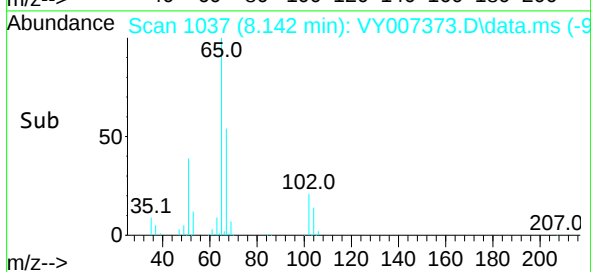
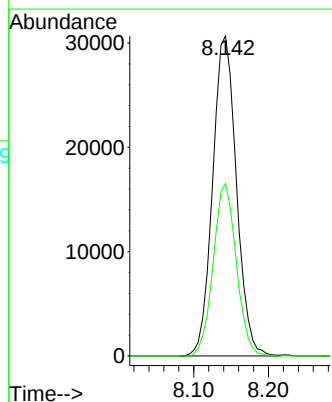
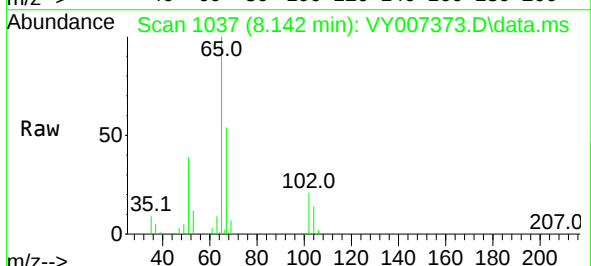


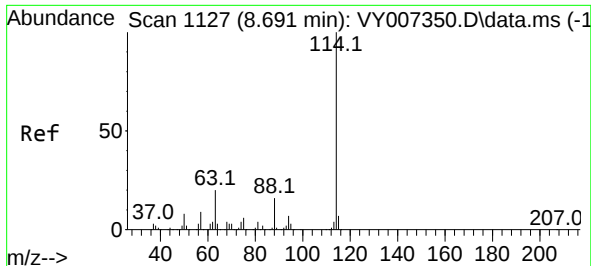
Tgt Ion: 56 Resp: 2492
Ion Ratio Lower Upper
56 100
69 170.4 26.7 40.1#
84 163.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.143 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007373.D
Acq: 03 Feb 2022 12:59

Tgt Ion: 65 Resp: 67881
Ion Ratio Lower Upper
65 100
67 52.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007373.D

Acq: 03 Feb 2022 12:59

Instrument :

MSVOA_Y

ClientSampleId :

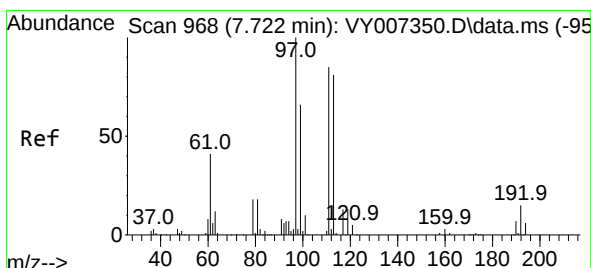
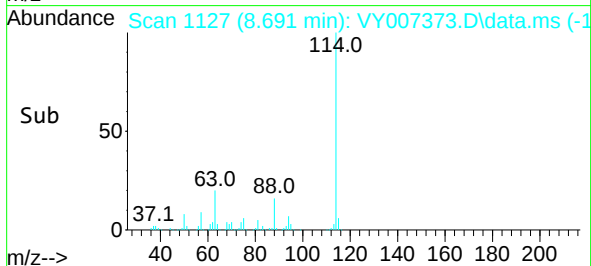
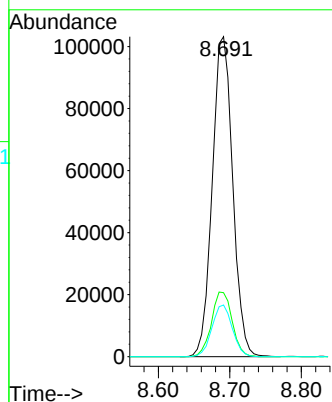
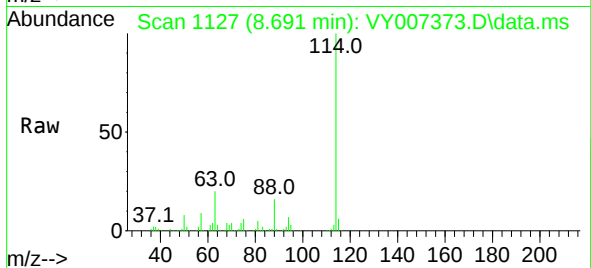
Tgt Ion:114 Resp: 204931

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 16.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.172 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007373.D

Acq: 03 Feb 2022 12:59

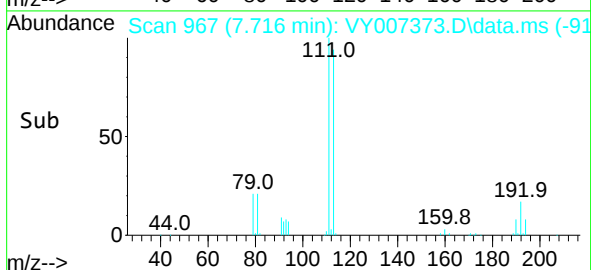
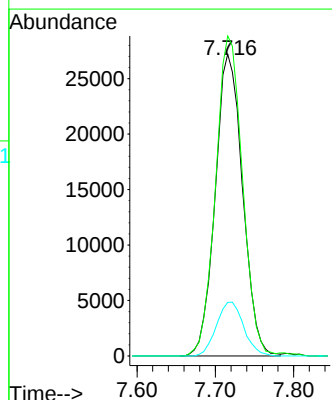
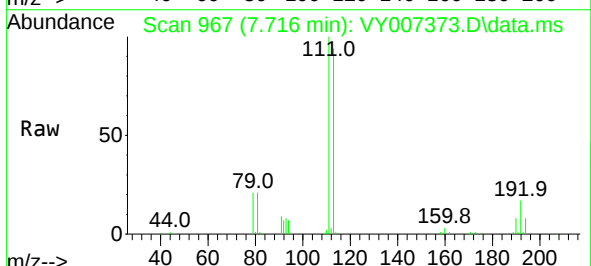
Tgt Ion:113 Resp: 66023

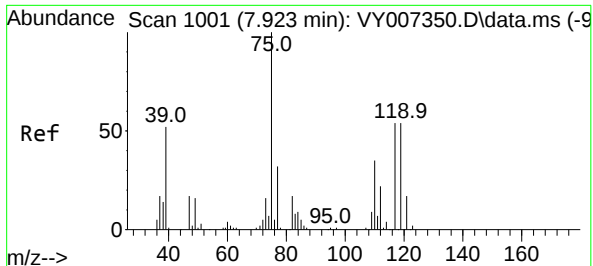
Ion Ratio Lower Upper

113 100

111 104.8 82.6 124.0

192 17.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.002 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

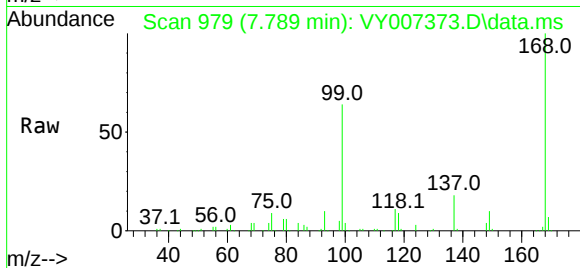
Lab File: VY007373.D

Acq: 03 Feb 2022 12:59

Instrument :

MSVOA_Y

ClientSampleId :



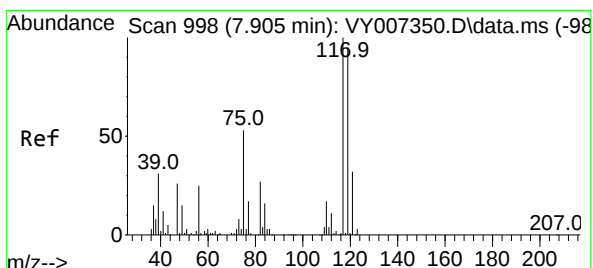
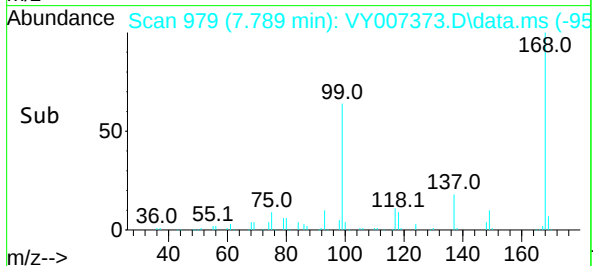
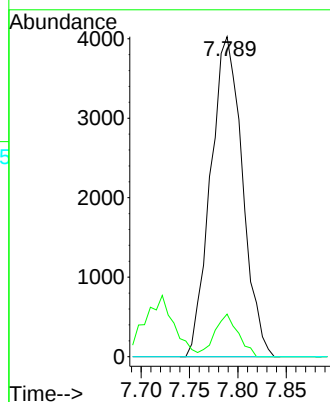
Tgt Ion: 75 Resp: 9206

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.039 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY007373.D

Acq: 03 Feb 2022 12:59

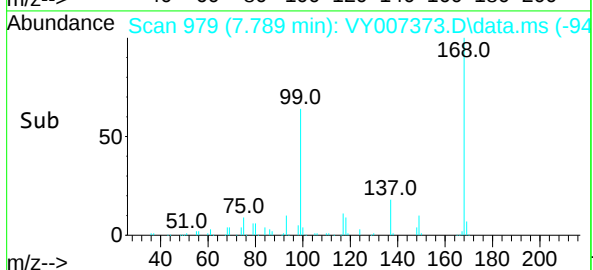
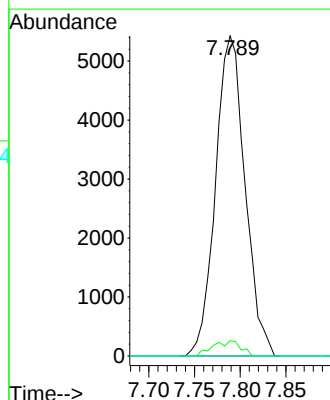
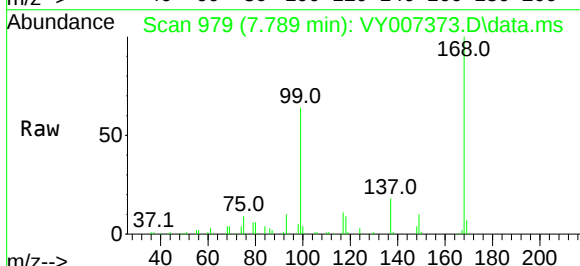
Tgt Ion: 117 Resp: 12179

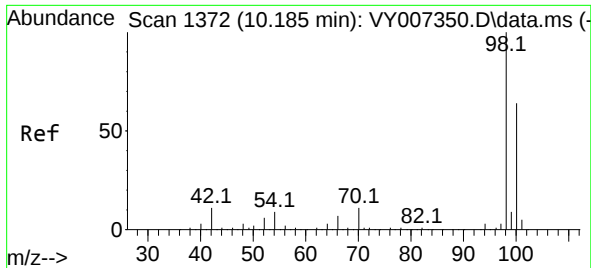
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.0 24.8 37.2#

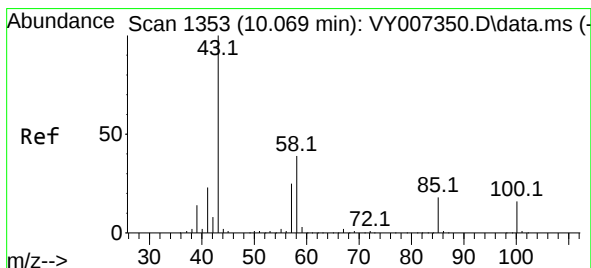
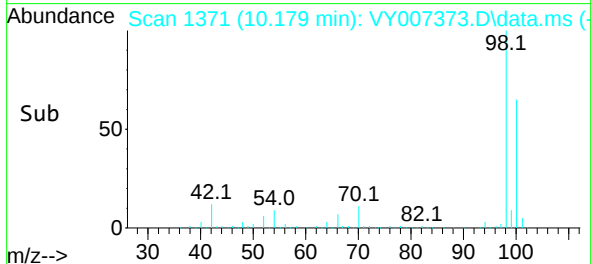
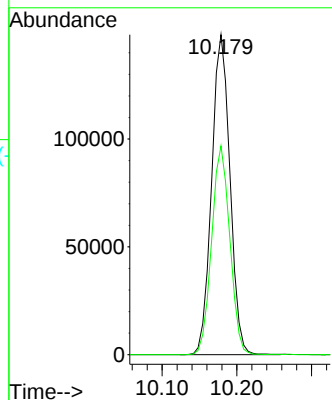
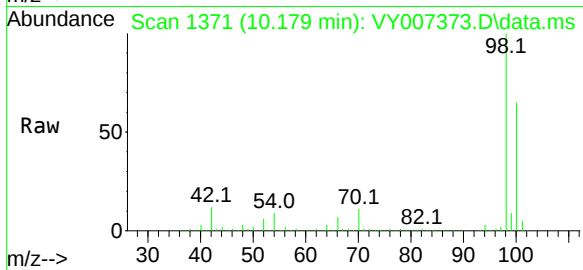




#50
Toluene-d8
Concen: 51.928 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007373.D
Acq: 03 Feb 2022 12:59

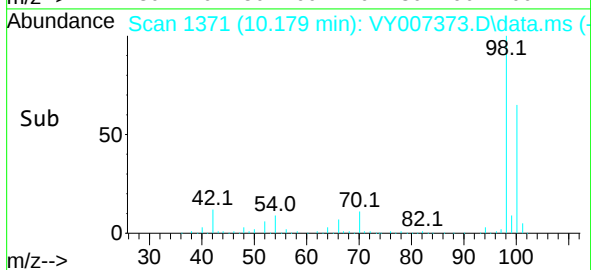
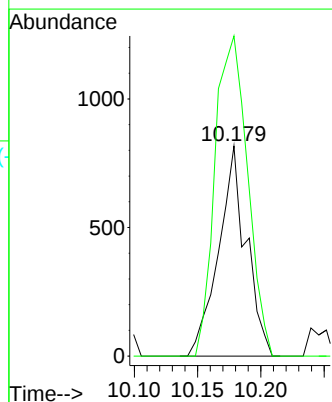
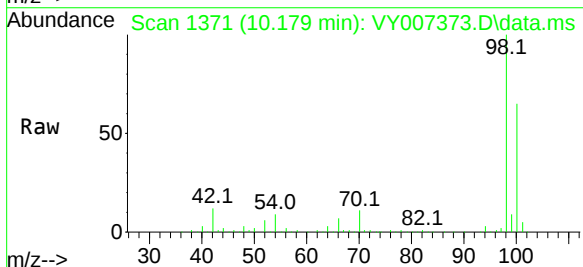
Instrument :
MSVOA_Y
ClientSampleId :

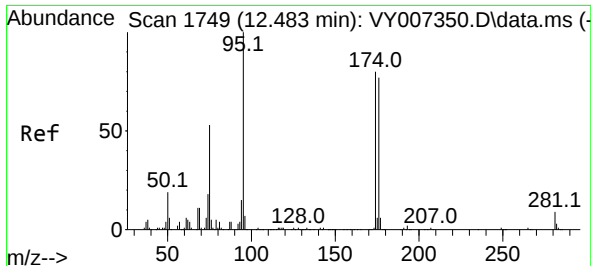
Tgt Ion: 98 Resp: 252463
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.144 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY007373.D
Acq: 03 Feb 2022 12:59

Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
58 179.0 28.1 42.1#





#62

4-Bromofluorobenzene

Concen: 56.187 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007373.D

Acq: 03 Feb 2022 12:59

Instrument :

MSVOA_Y

ClientSampleId :

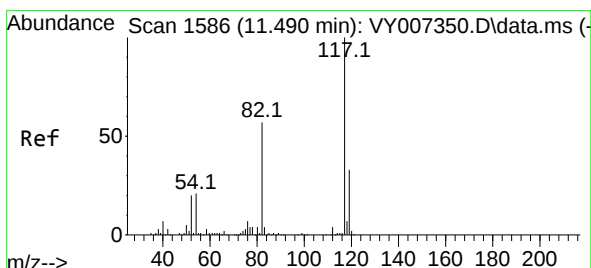
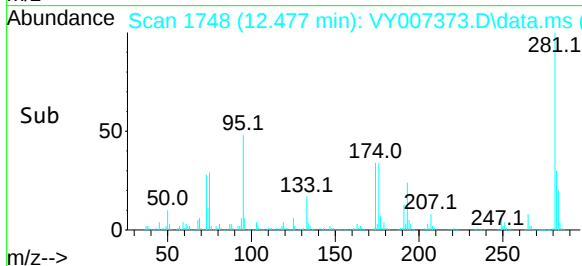
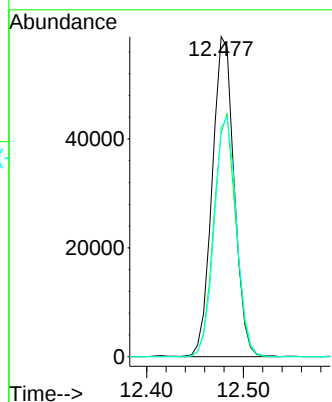
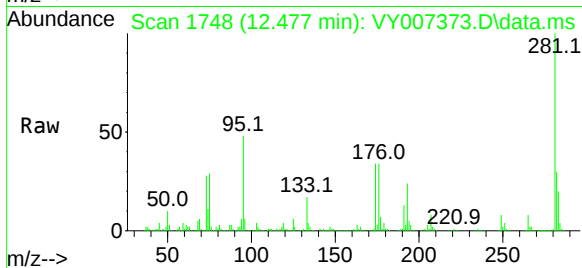
Tgt Ion: 95 Resp: 92846

Ion Ratio Lower Upper

95 100

174 75.4 0.0 177.0

176 76.1 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY007373.D

Acq: 03 Feb 2022 12:59

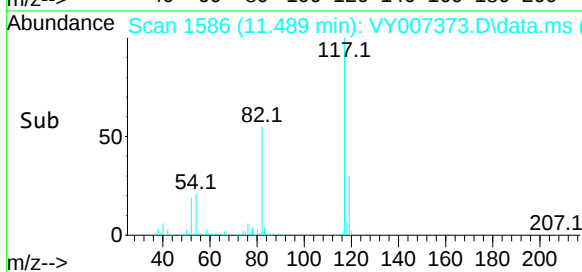
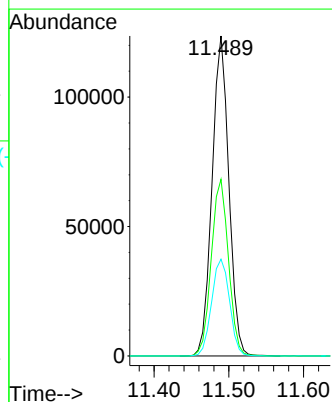
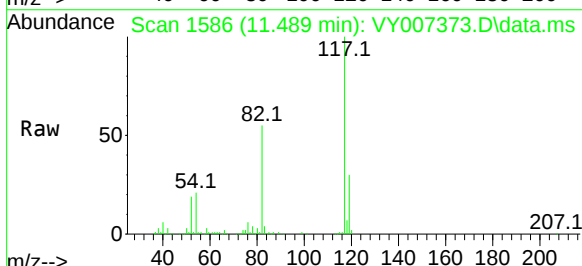
Tgt Ion:117 Resp: 192624

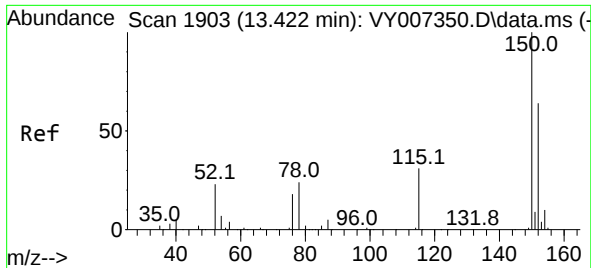
Ion Ratio Lower Upper

117 100

82 55.2 43.0 64.4

119 30.3 25.4 38.0

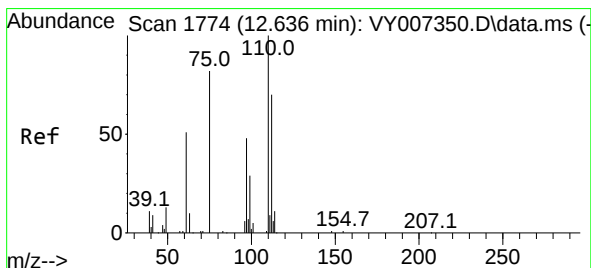
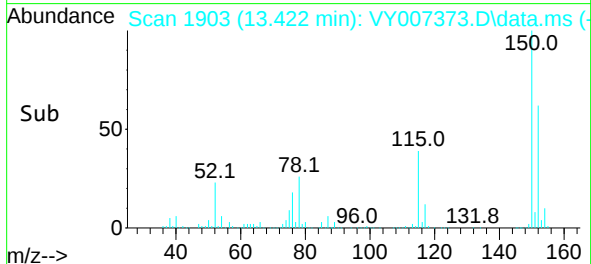
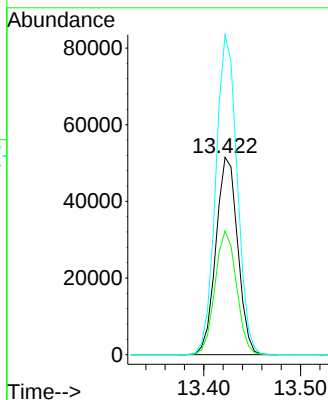
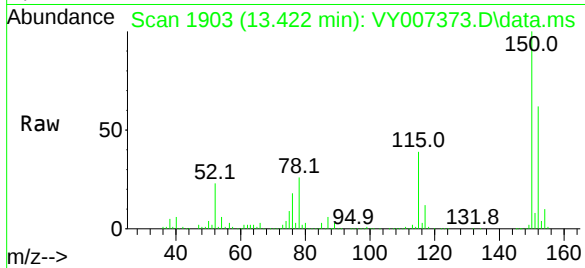




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY007373.D
 Acq: 03 Feb 2022 12:59

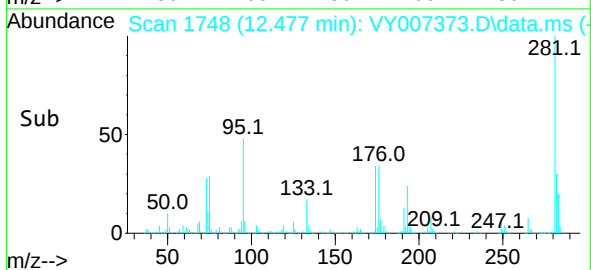
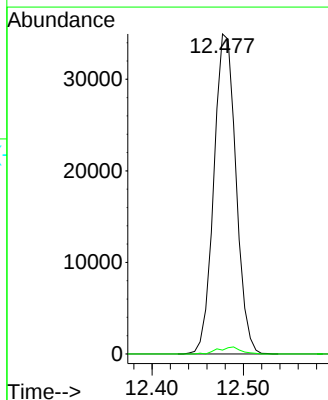
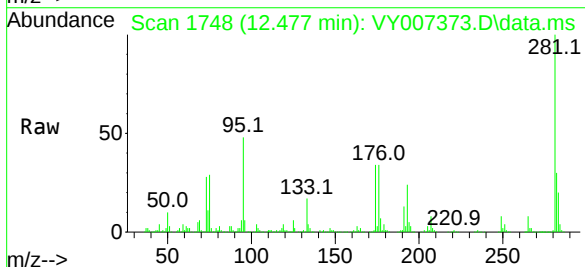
Instrument :
 MSVOA_Y
 ClientSampleId :

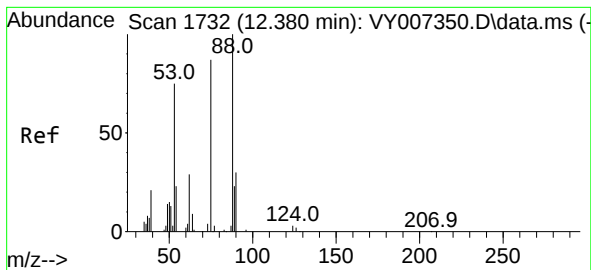
Tgt Ion:152 Resp: 80468
 Ion Ratio Lower Upper
 152 100
 115 61.9 28.2 84.7
 150 159.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 61.488 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY007373.D
 Acq: 03 Feb 2022 12:59

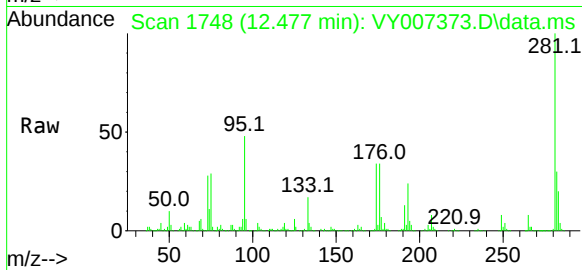
Tgt Ion: 75 Resp: 58820
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.186 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY007373.D
 Acq: 03 Feb 2022 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 58820
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 5.0 37.0 55.4#

