

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010865.D
 Acq On : 07 Oct 2022 12:37
 Operator : KP/MD
 Sample : N5004-17RE
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22015-18RE

Quant Time: Oct 08 04:46:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

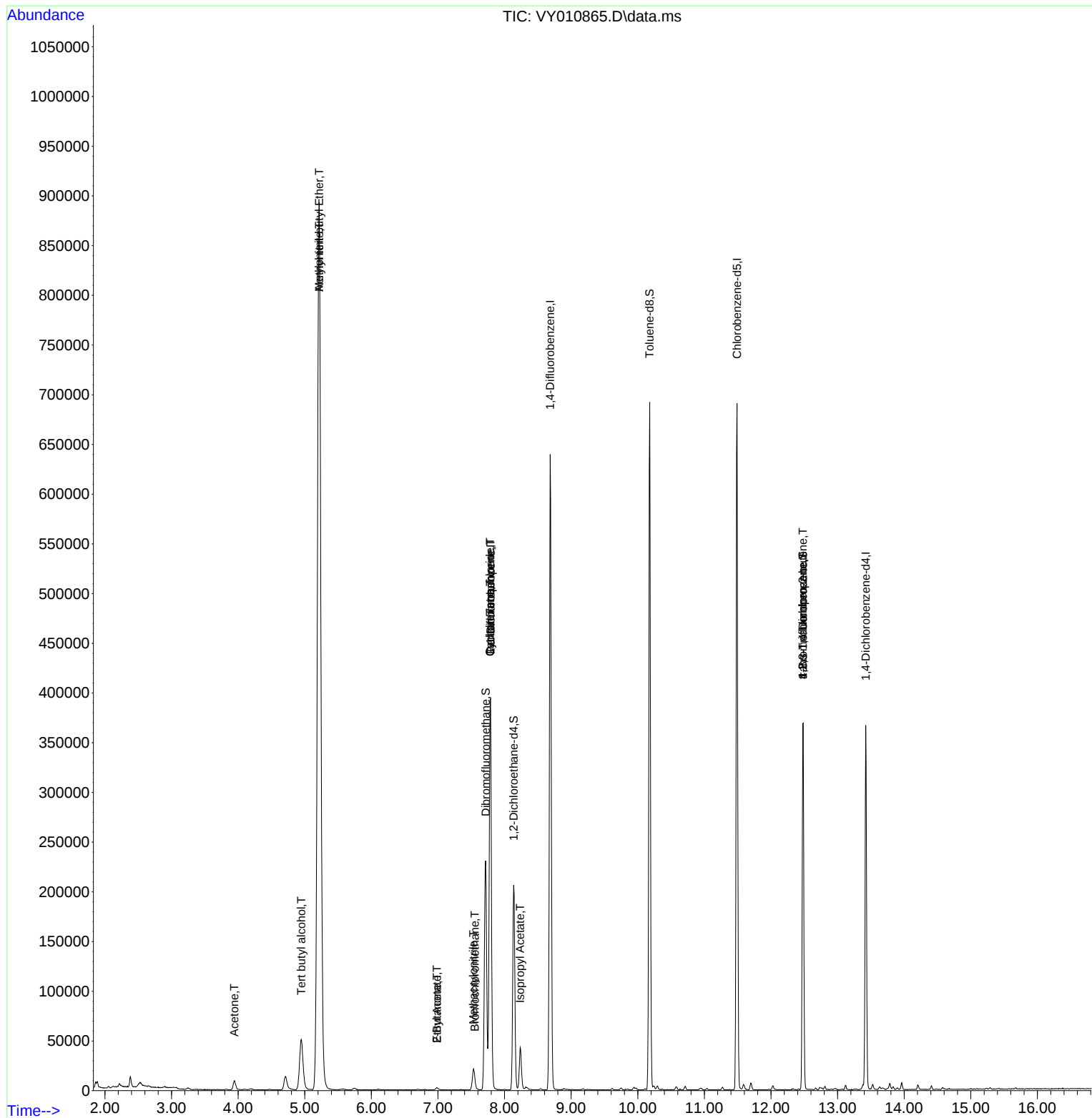
Internal Standards						
1) Pentafluorobenzene	7.789	168	308005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	533690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	372952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	157516	50.453	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.900%	
35) Dibromofluoromethane	7.716	113	167013	47.143	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.280%	
50) Toluene-d8	10.179	98	445931	36.807	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 73.620%	
62) 4-Bromofluorobenzene	12.477	95	114589	22.160	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 44.320%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.948	59	94740	358.924	ug/l #	93
15) Acrylonitrile	5.216	53	17849	21.882	ug/l #	31
16) Acetone	3.942	43	15892	20.043	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	1592231	208.873	ug/l	98
20) Methylene Chloride	4.710	84	10363	Below Cal	#	82
25) 2-Butanone	6.984	43	3325	2.917	ug/l	99
28) Bromochloromethane	7.551	49	23	4.721	ug/l #	16
31) Cyclohexane	7.783	56	6535	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	24571	4.804	ug/l #	51
37) Ethyl Acetate	6.984	43	3325	1.325	ug/l #	74
38) Carbon Tetrachloride	7.783	117	30789	5.780	ug/l #	15
41) Methacrylonitrile	7.533	41	10102	9.099	ug/l #	38
43) Isopropyl Acetate	8.234	43	9086	2.000	ug/l #	58
76) 1,2,3-Trichloropropane	12.477	75	58868	62.715	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58868	131.007	ug/l #	7

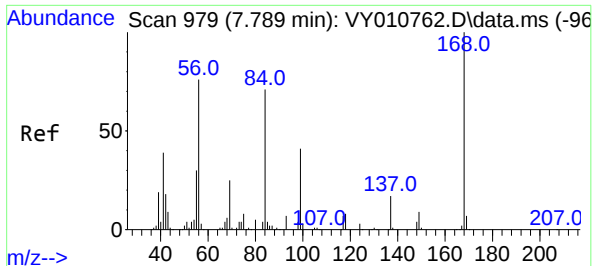
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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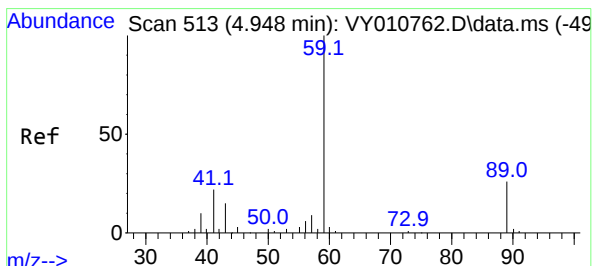
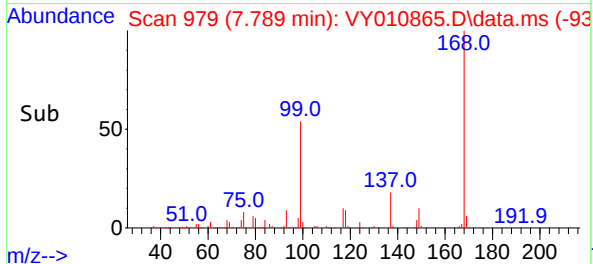
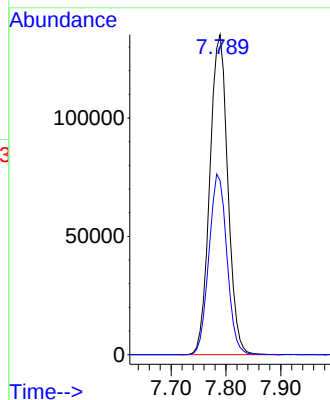
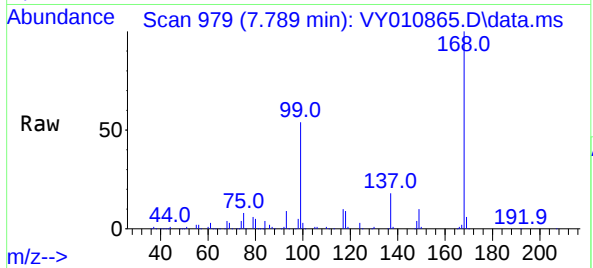




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

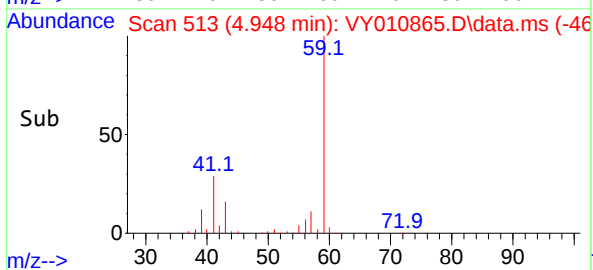
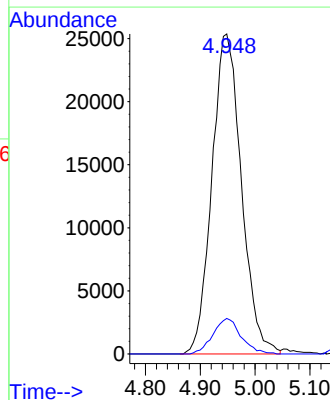
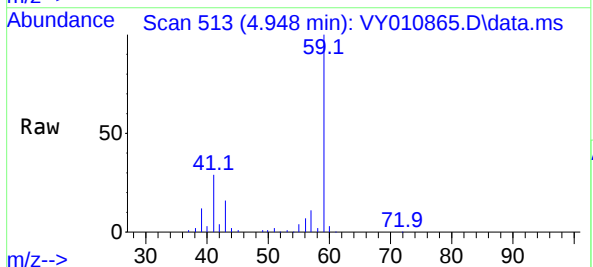
Instrument :
MSVOA_Y
ClientSampleId :
D22015-18RE

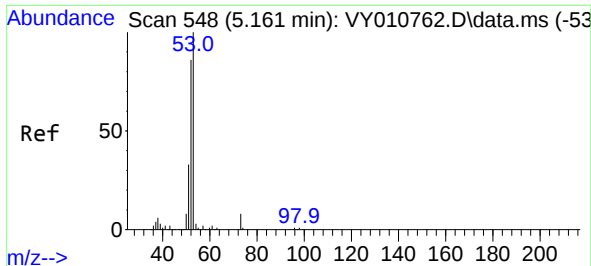
Tgt Ion:168 Resp: 308005
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 358.924 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

Tgt Ion: 59 Resp: 94740
Ion Ratio Lower Upper
59 100
57 10.6 6.4 9.6#

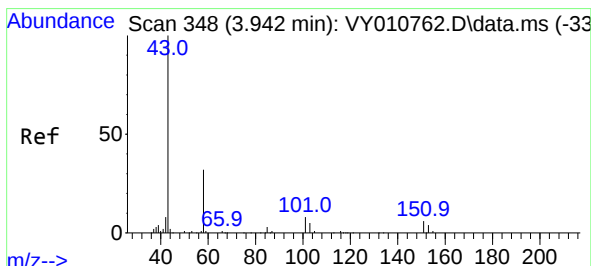
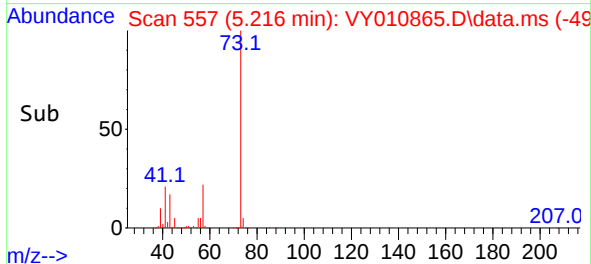
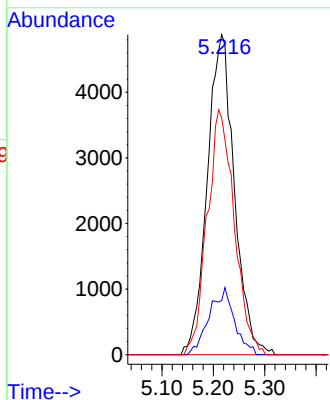
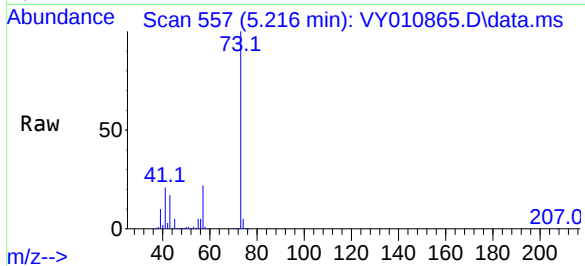




#15
Acrylonitrile
Concen: 21.882 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.055 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

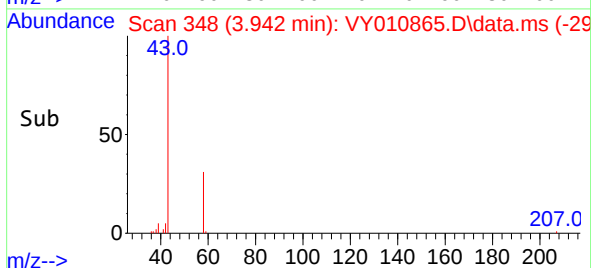
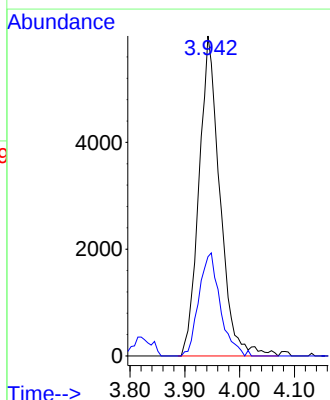
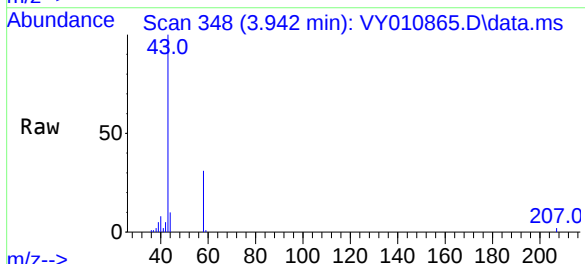
Instrument :
MSVOA_Y
ClientSampleId :
D22015-18RE

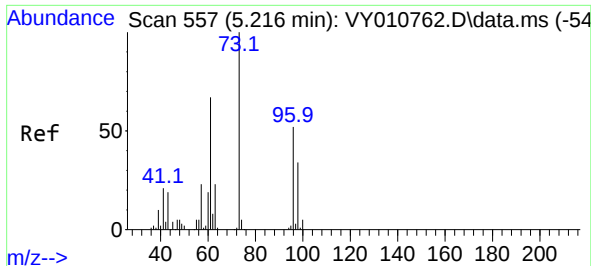
Tgt Ion: 53 Resp: 17849
Ion Ratio Lower Upper
53 100
52 19.5 67.0 100.4#
51 76.6 29.8 44.6#



#16
Acetone
Concen: 20.043 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

Tgt Ion: 43 Resp: 15892
Ion Ratio Lower Upper
43 100
58 31.0 22.0 33.0

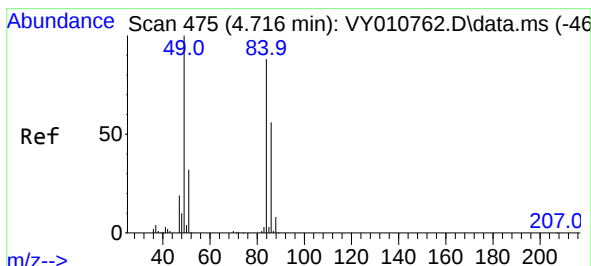
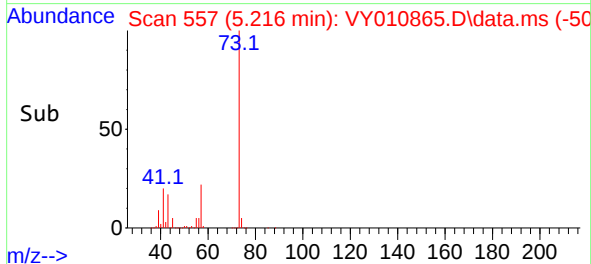
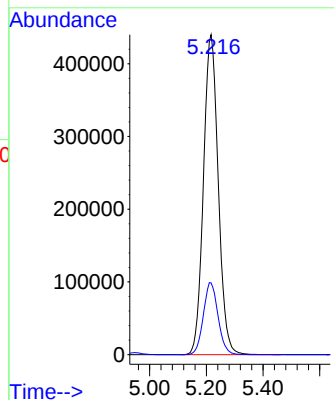
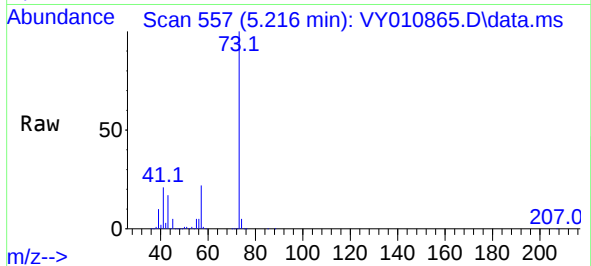




#19
Methyl tert-butyl Ether
Concen: 208.873 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

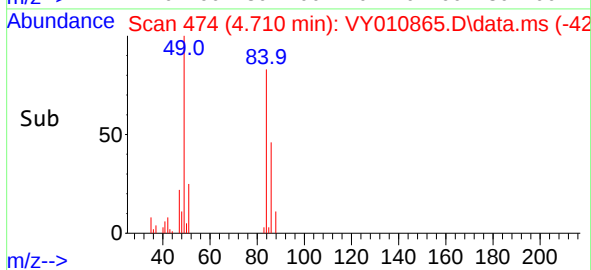
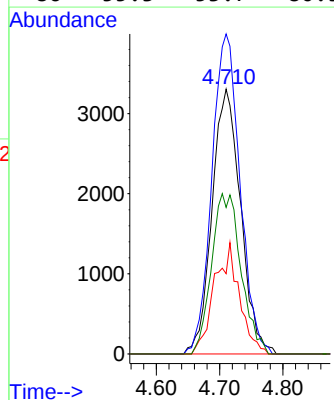
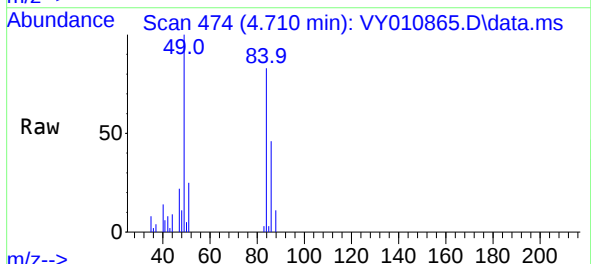
Instrument :
MSVOA_Y
ClientSampleId :
D22015-18RE

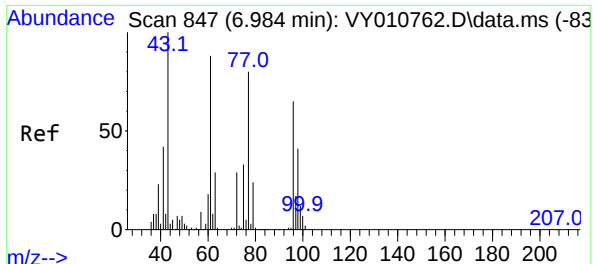
Tgt Ion: 73 Resp: 1592231
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

Tgt Ion: 84 Resp: 10363
Ion Ratio Lower Upper
84 100
49 120.8 114.4 171.6
51 30.3 35.3 52.9#
86 55.3 53.7 80.5





#25

2-Butanone

Concen: 2.917 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY010865.D

Acq: 07 Oct 2022 12:37

Instrument :

MSVOA_Y

ClientSampleId :

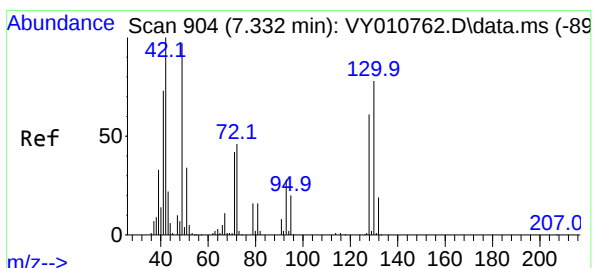
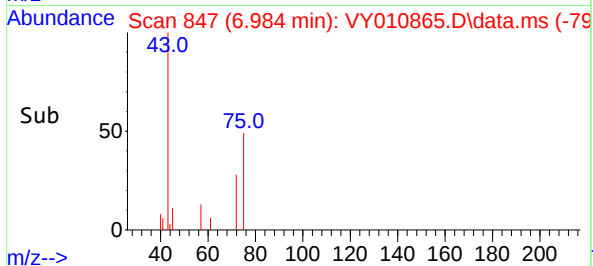
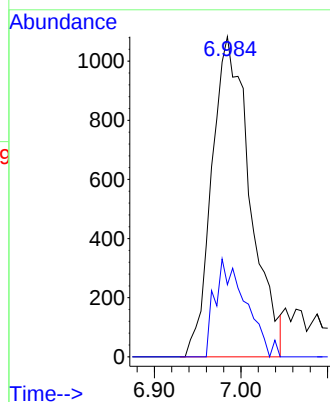
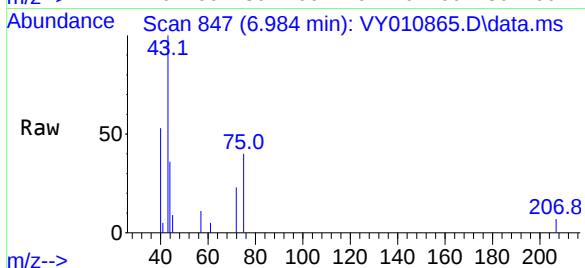
D22015-18RE

Tgt Ion: 43 Resp: 3325

Ion Ratio Lower Upper

43 100

72 22.5 17.7 26.5



#28

Bromochloromethane

Concen: 4.721 ug/l

RT: 7.551 min Scan# 940

Delta R.T. 0.219 min

Lab File: VY010865.D

Acq: 07 Oct 2022 12:37

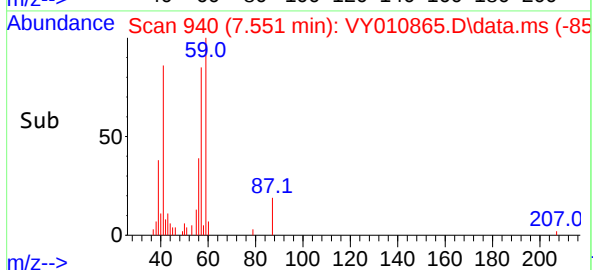
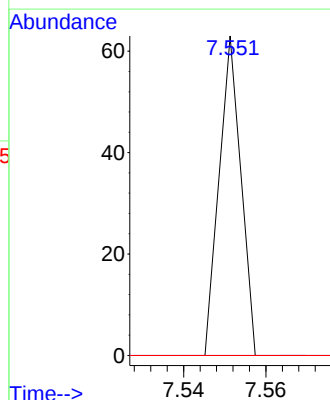
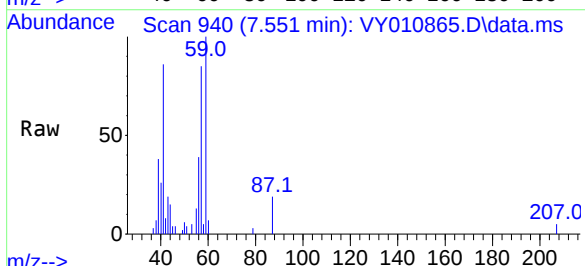
Tgt Ion: 49 Resp: 23

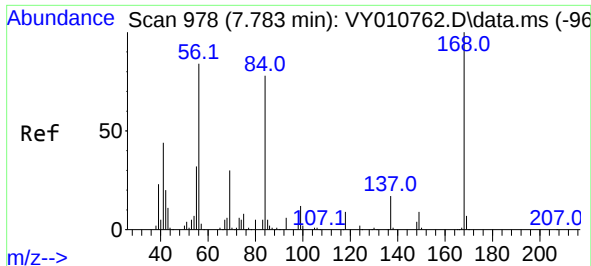
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

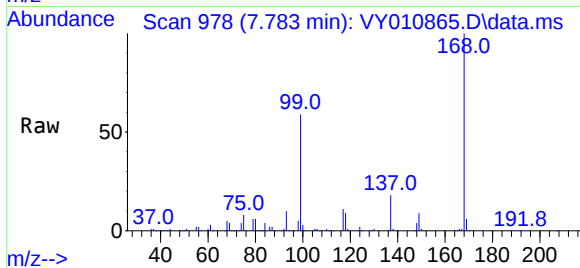
130 0.0 55.4 83.0#



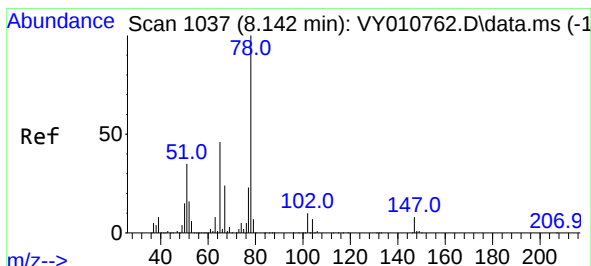
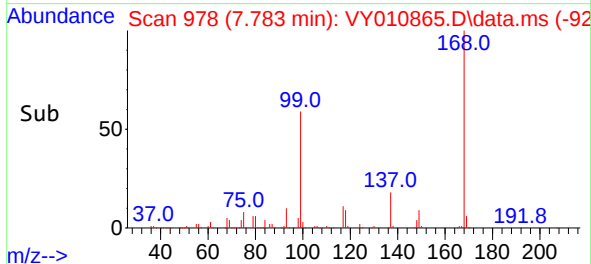
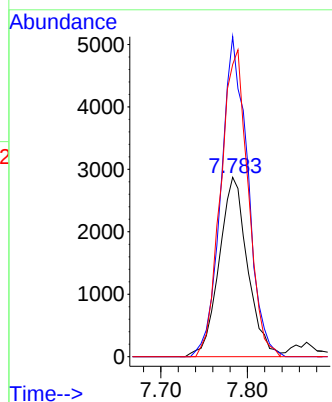


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

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D22015-18RE

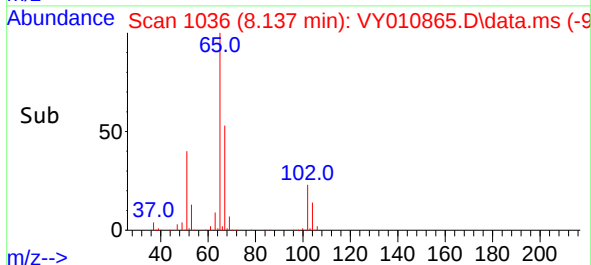
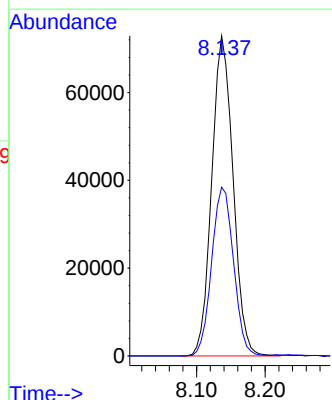
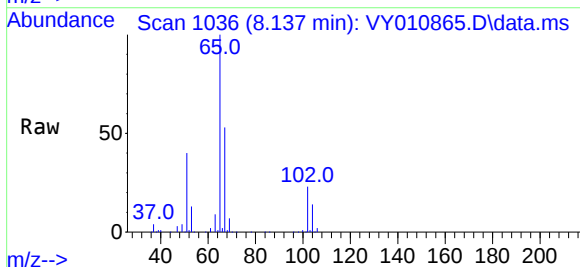


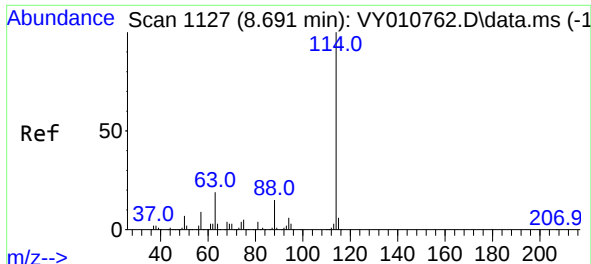
Tgt Ion: 56 Resp: 6535
Ion Ratio Lower Upper
56 100
69 178.4 26.7 40.1#
84 163.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 50.453 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

Tgt Ion: 65 Resp: 157516
Ion Ratio Lower Upper
65 100
67 54.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010865.D

Acq: 07 Oct 2022 12:37

Instrument :

MSVOA_Y

ClientSampleId :

D22015-18RE

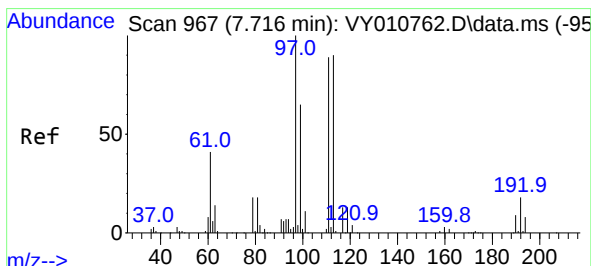
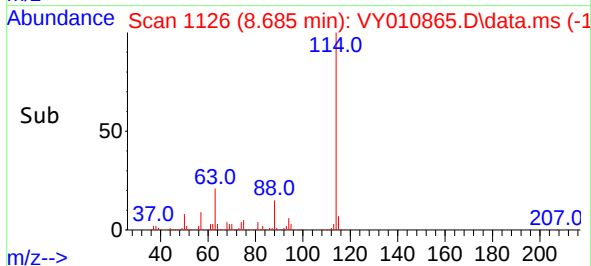
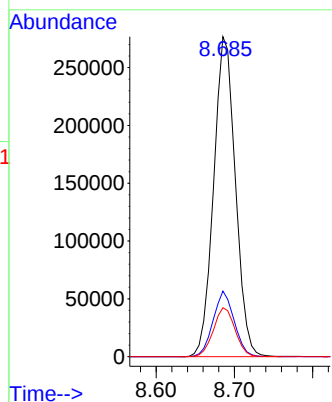
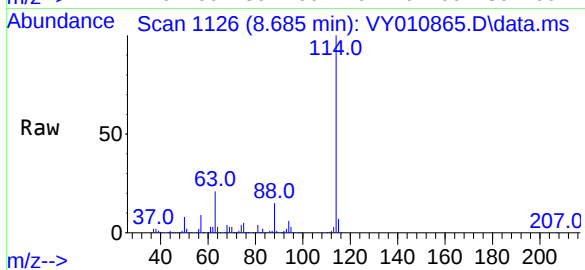
Tgt Ion:114 Resp: 533690

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.143 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010865.D

Acq: 07 Oct 2022 12:37

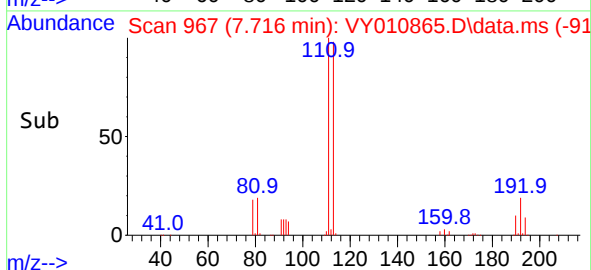
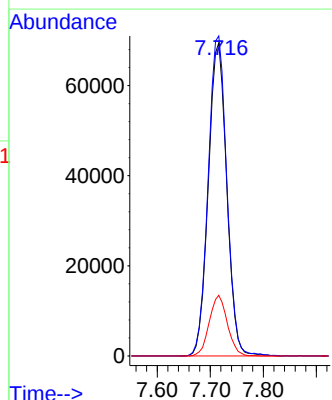
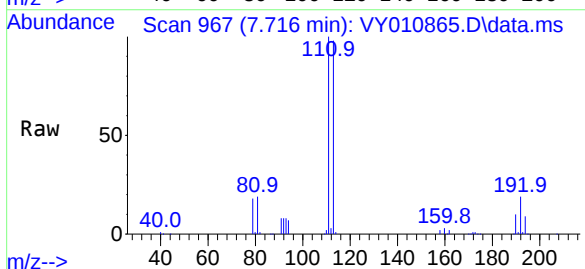
Tgt Ion:113 Resp: 167013

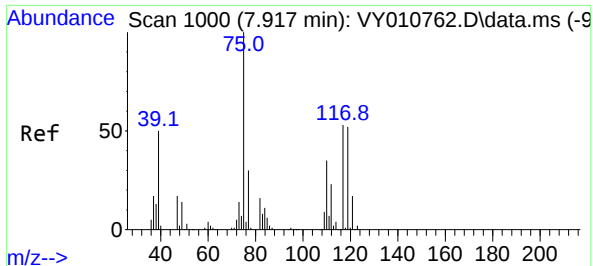
Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.804 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010865.D

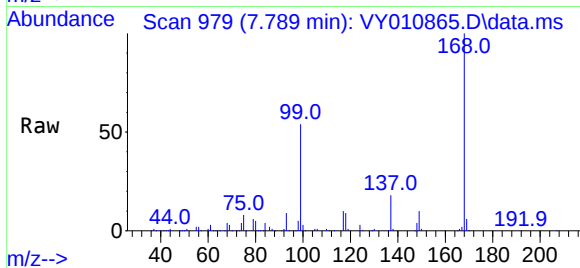
Acq: 07 Oct 2022 12:37

Instrument :

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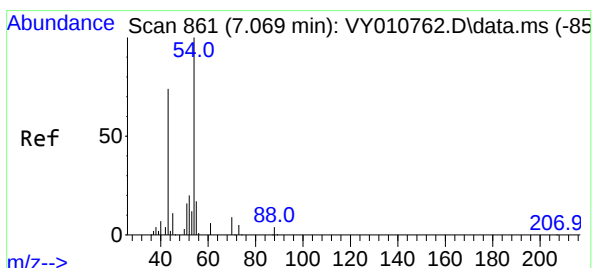
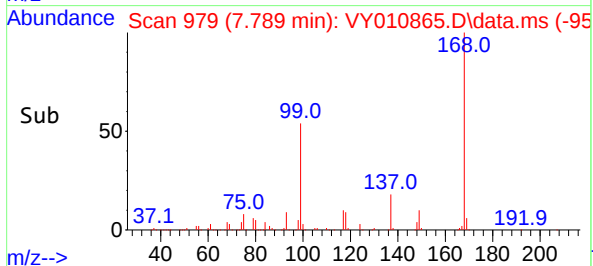
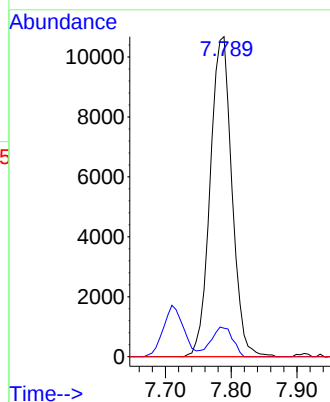
Tgt Ion: 75 Resp: 24571

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.325 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

Lab File: VY010865.D

Acq: 07 Oct 2022 12:37

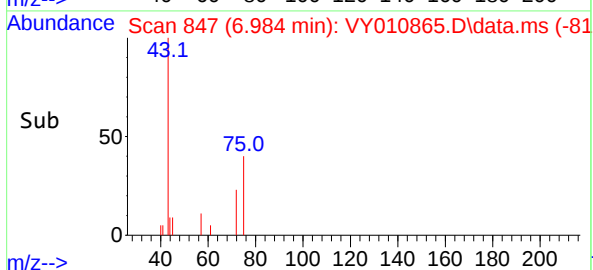
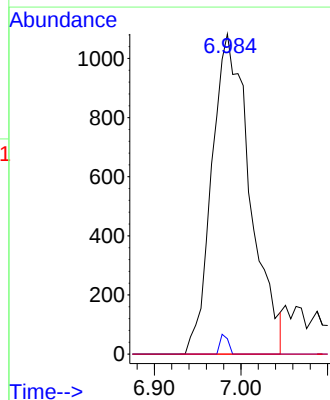
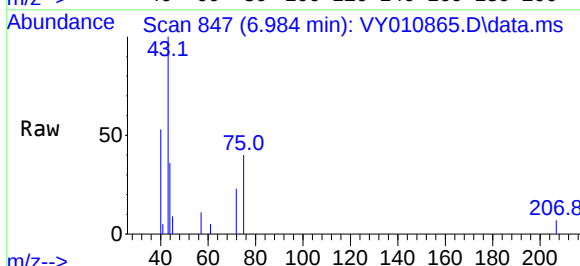
Tgt Ion: 43 Resp: 3325

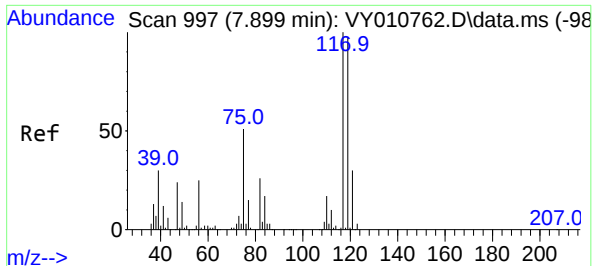
Ion Ratio Lower Upper

43 100

61 1.3 9.7 14.5#

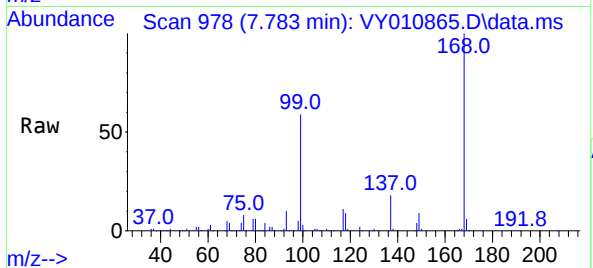
70 0.0 7.1 10.7#



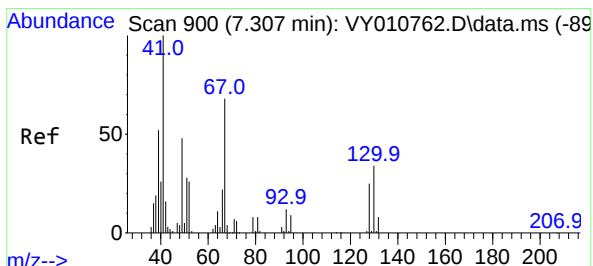
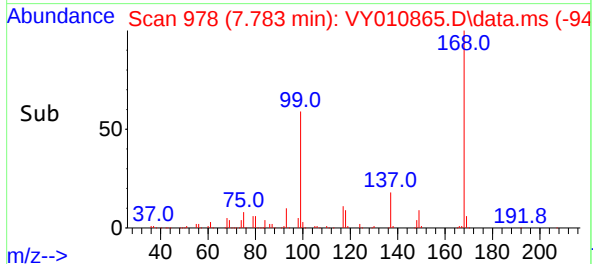
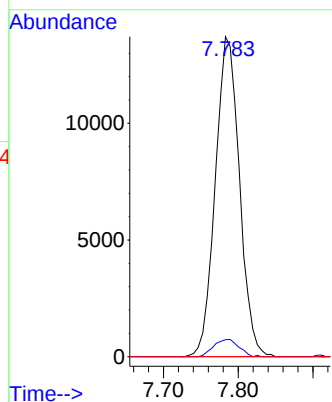


#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

Instrument :
MSVOA_Y
ClientSampleId :
D22015-18RE

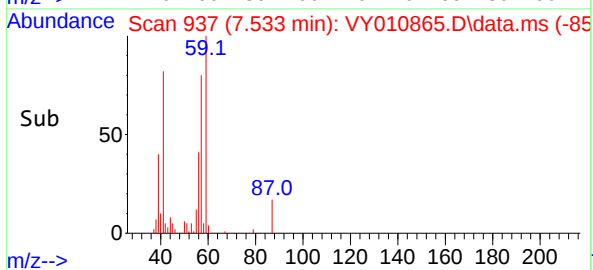
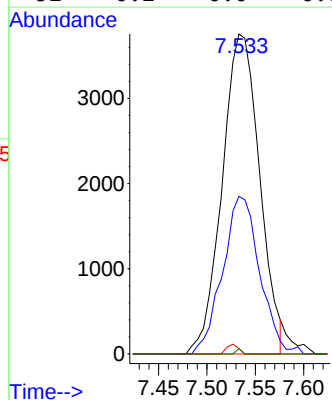
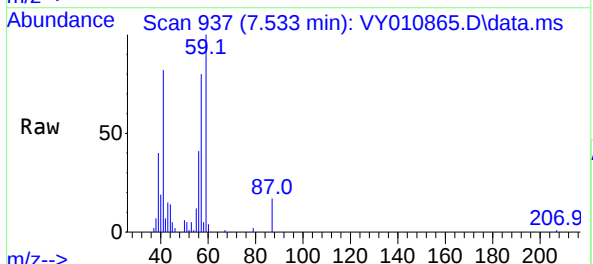


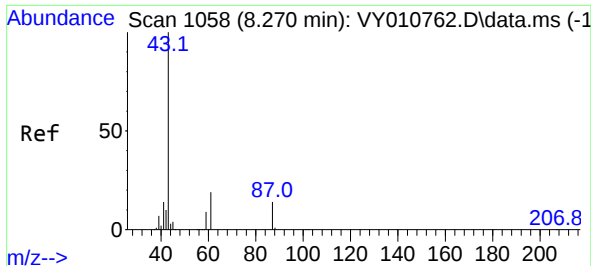
Tgt Ion:117 Resp: 30789
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 9.099 ug/l
RT: 7.533 min Scan# 937
Delta R.T. 0.226 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

Tgt Ion: 41 Resp: 10102
Ion Ratio Lower Upper
41 100
39 48.1 92.9 139.3#
67 0.9 0.0 0.0#
52 0.2 0.0 0.0#





#43

Isopropyl Acetate

Concen: 2.000 ug/l

RT: 8.234 min Scan# 1052

Delta R.T. -0.036 min

Lab File: VY010865.D

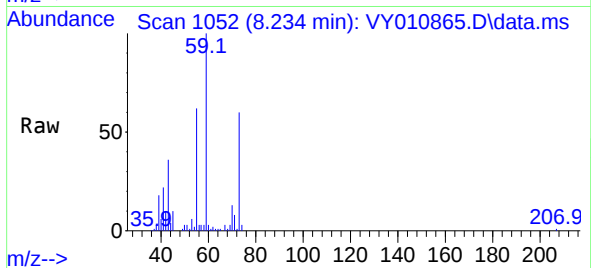
Acq: 07 Oct 2022 12:37

Instrument :

MSVOA_Y

ClientSampleId :

D22015-18RE



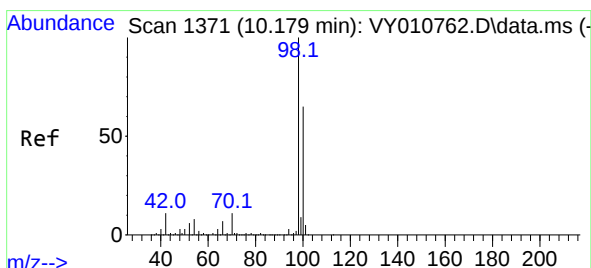
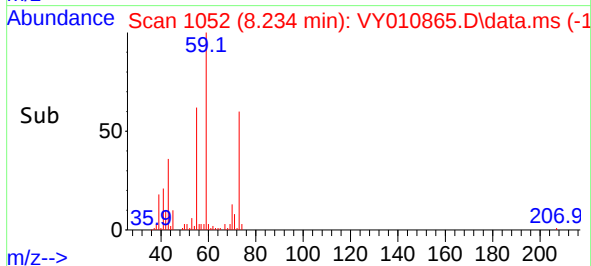
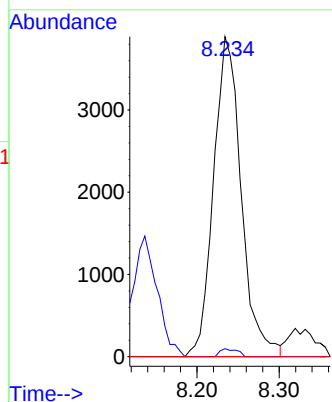
Tgt Ion: 43 Resp: 9086

Ion Ratio Lower Upper

43 100

61 1.6 20.2 30.2#

87 0.0 8.9 13.3#



#50

Toluene-d8

Concen: 36.807 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010865.D

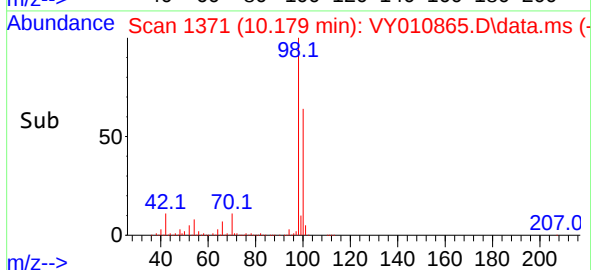
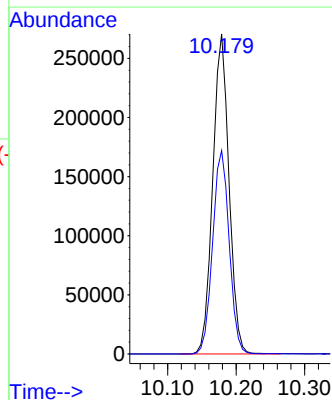
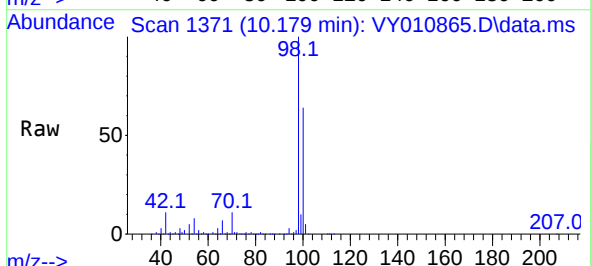
Acq: 07 Oct 2022 12:37

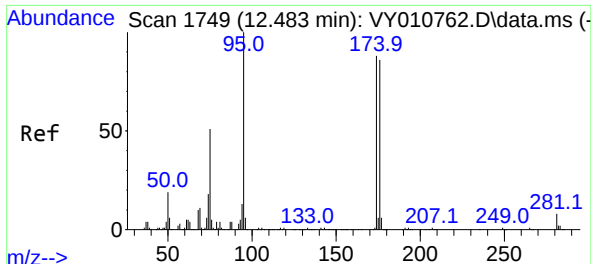
Tgt Ion: 98 Resp: 445931

Ion Ratio Lower Upper

98 100

100 64.8 50.2 75.2

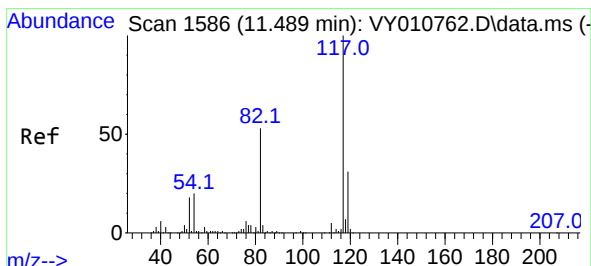
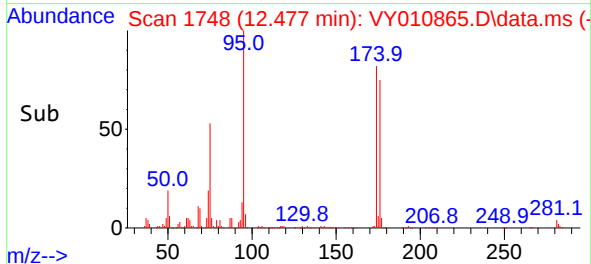
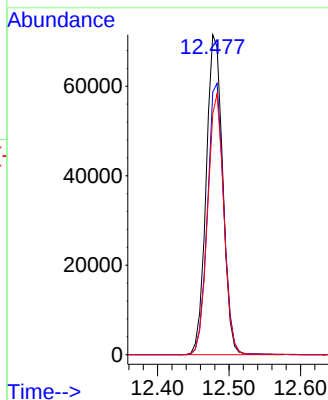
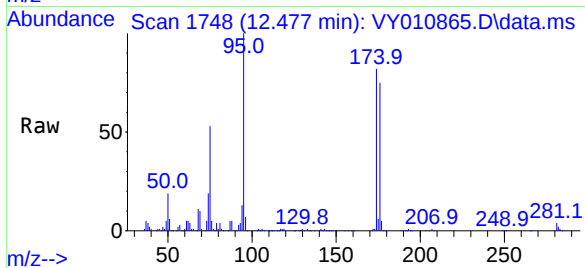




#62
4-Bromofluorobenzene
Concen: 22.160 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

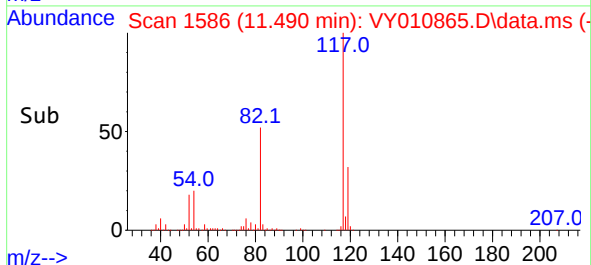
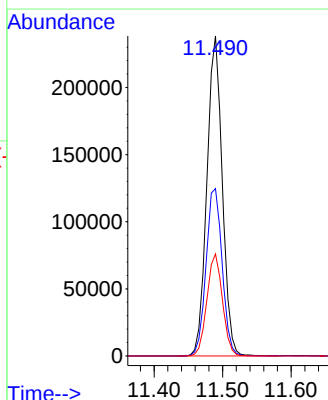
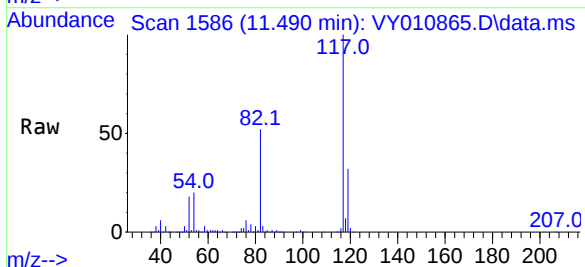
Instrument :
MSVOA_Y
ClientSampleId :
D22015-18RE

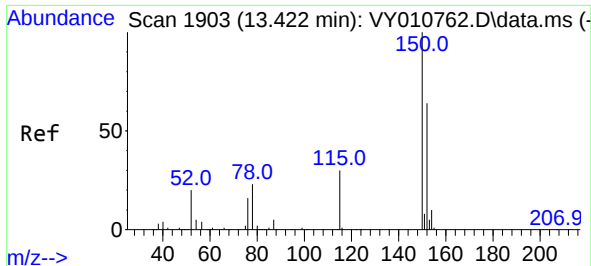
Tgt Ion: 95 Resp: 114589
Ion Ratio Lower Upper
95 100
174 83.7 0.0 177.0
176 79.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010865.D
Acq: 07 Oct 2022 12:37

Tgt Ion: 117 Resp: 372952
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 31.9 25.4 38.0

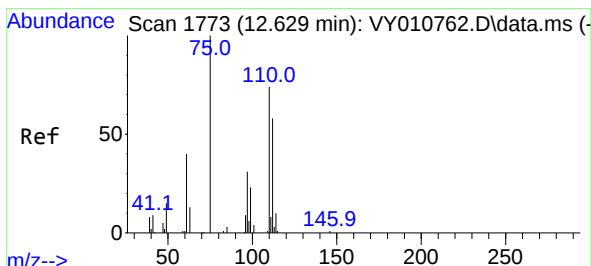
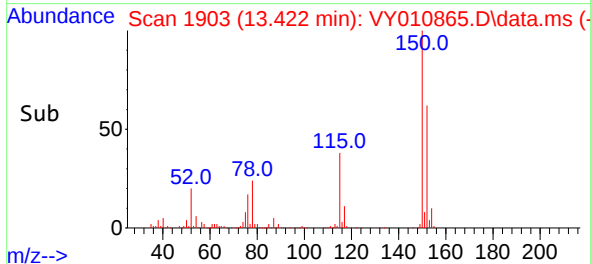
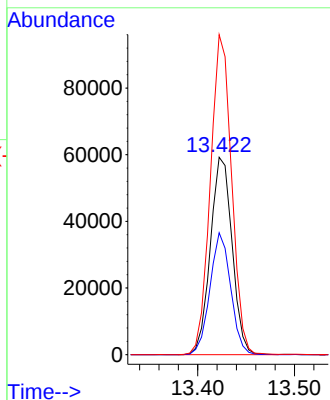
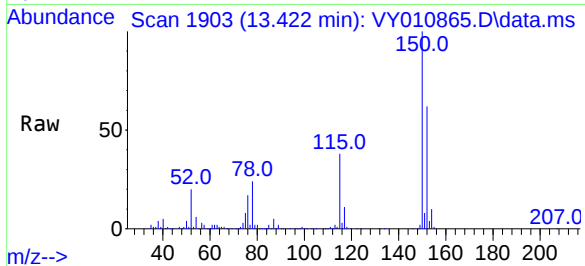




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010865.D
 Acq: 07 Oct 2022 12:37

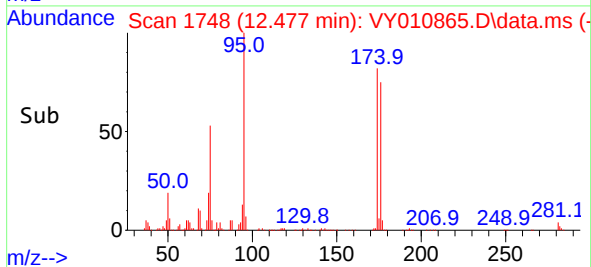
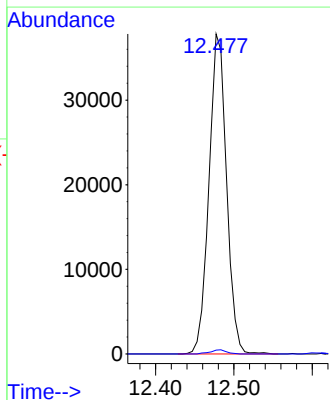
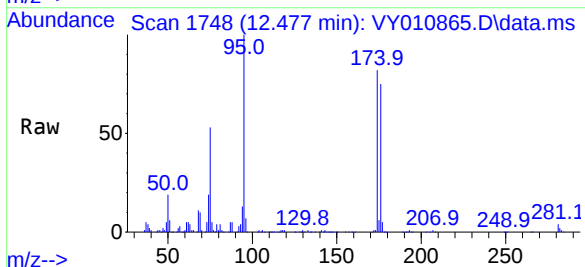
Instrument :
 MSVOA_Y
 ClientSampleId :
 D22015-18RE

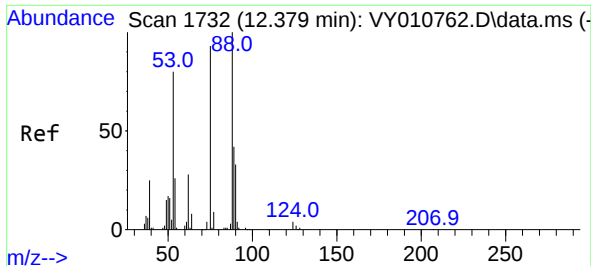
Tgt Ion:152 Resp: 92689
 Ion Ratio Lower Upper
 152 100
 115 58.7 28.2 84.7
 150 158.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 62.715 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY010865.D
 Acq: 07 Oct 2022 12:37

Tgt Ion: 75 Resp: 58868
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.007 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010865.D
 Acq: 07 Oct 2022 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22015-18RE

Tgt Ion: 75 Resp: 58868
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

