

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100622\
 Data File : VY010852.D
 Acq On : 06 Oct 2022 18:00
 Operator : KP/MD
 Sample : N5004-08RE
 Misc : 6.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22009-18RE

Quant Time: Oct 07 02:30:57 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)

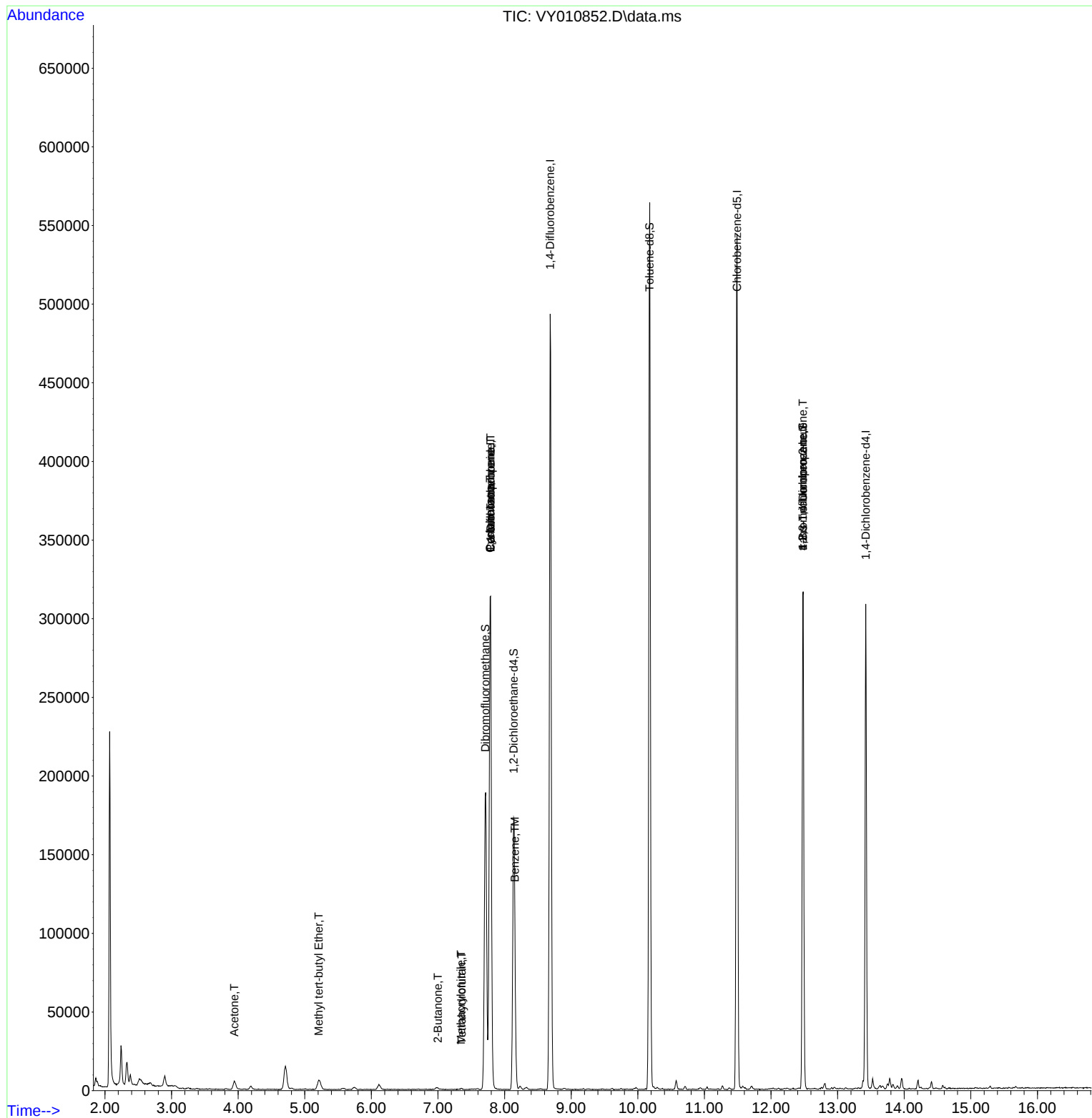
Internal Standards						
1) Pentafluorobenzene	7.789	168	248404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	414356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126776	50.350	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.700%	
35) Dibromofluoromethane	7.710	113	137428	49.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.920%	
50) Toluene-d8	10.179	98	369139	39.243	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 78.480%	
62) 4-Bromofluorobenzene	12.477	95	95084	23.957	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 47.920%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	77	Below Cal	#	77
16) Acetone	3.942	43	9838	15.384	ug/l	96
19) Methyl tert-butyl Ether	5.210	73	9852	1.603	ug/l	97
20) Methylene Chloride	4.710	84	11036	Below Cal		92
25) 2-Butanone	6.996	43	2321	2.525	ug/l	91
29) Tetrahydrofuran	7.356	42	568	1.051	ug/l	# 74
31) Cyclohexane	7.783	56	5489	1.218	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	18914	4.763	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	24227	5.858	ug/l	# 15
40) Benzene	8.155	78	22576	1.974	ug/l	99
41) Methacrylonitrile	7.344	41	340	2.864	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	49243	64.238	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	49243	134.187	ug/l	# 7

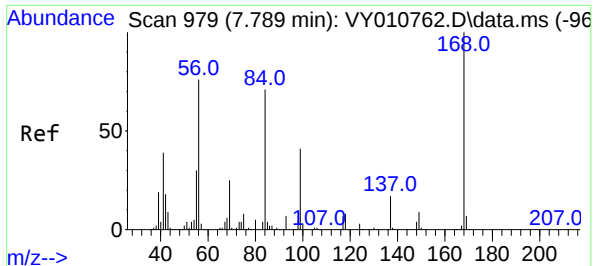
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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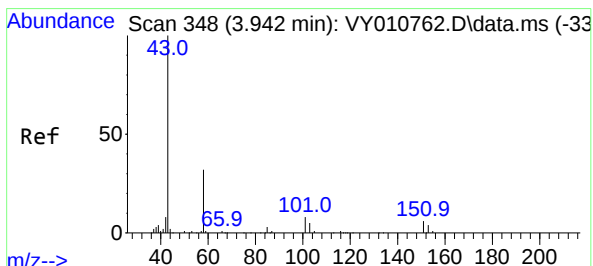
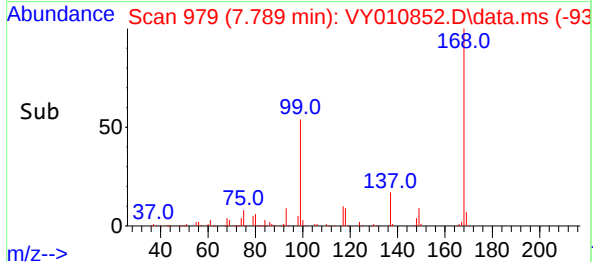
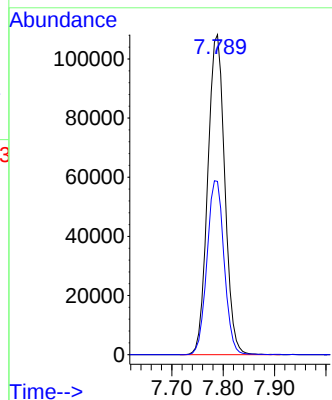
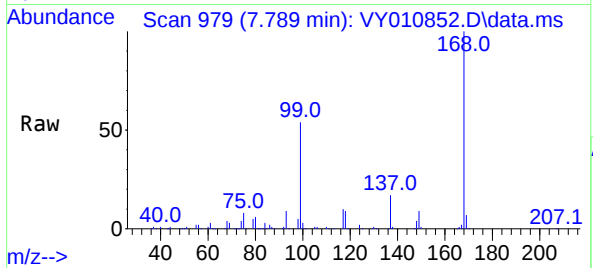




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

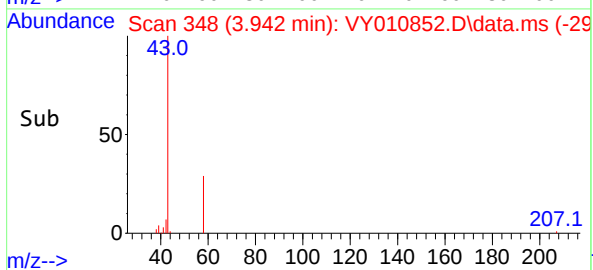
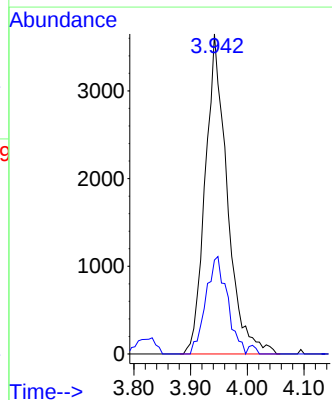
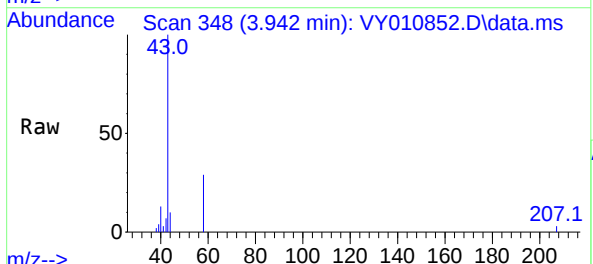
Instrument :
MSVOA_Y
ClientSampleId :
D22009-18RE

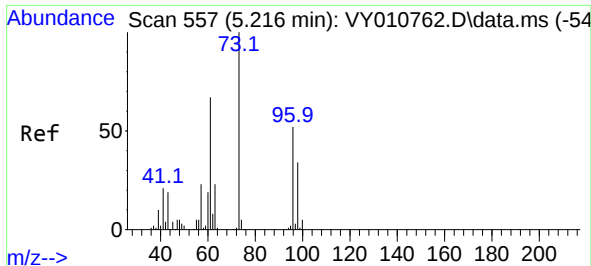
Tgt Ion:168 Resp: 248404
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#16
Acetone
Concen: 15.384 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Tgt Ion: 43 Resp: 9838
Ion Ratio Lower Upper
43 100
58 29.4 22.0 33.0

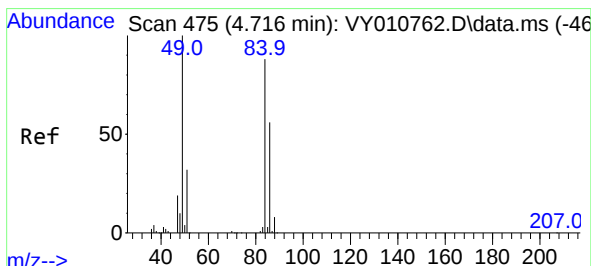
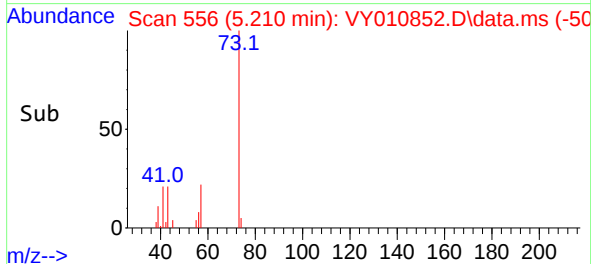
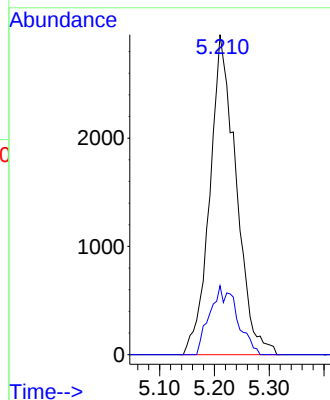
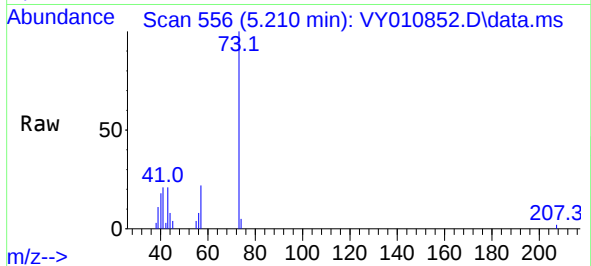




#19
Methyl tert-butyl Ether
Concen: 1.603 ug/l
RT: 5.210 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

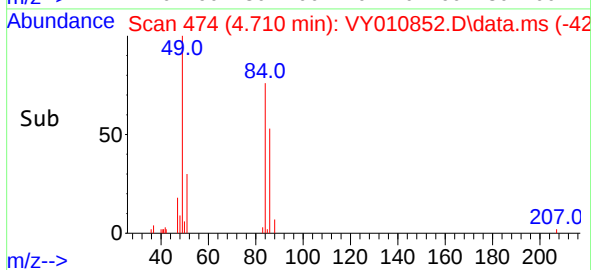
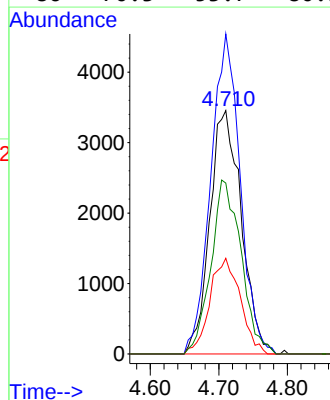
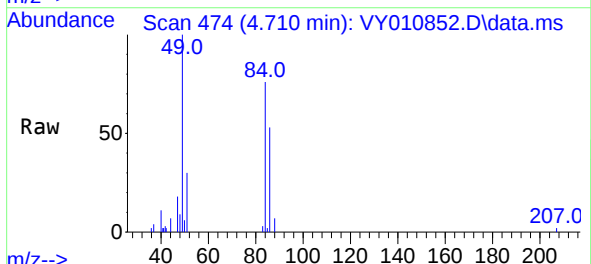
Instrument :
MSVOA_Y
ClientSampleId :
D22009-18RE

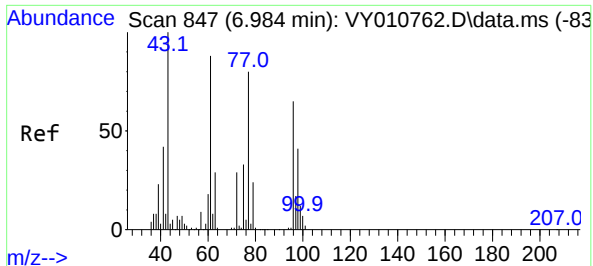
Tgt Ion: 73 Resp: 9852
Ion Ratio Lower Upper
73 100
57 21.5 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Tgt Ion: 84 Resp: 11036
Ion Ratio Lower Upper
84 100
49 131.5 114.4 171.6
51 39.3 35.3 52.9
86 70.3 53.7 80.5

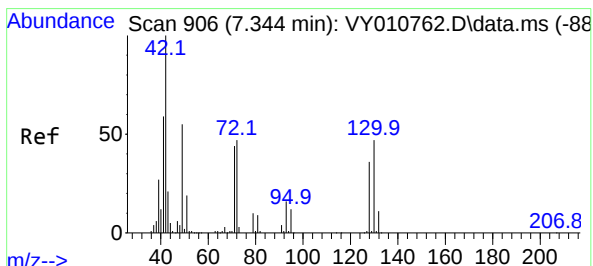
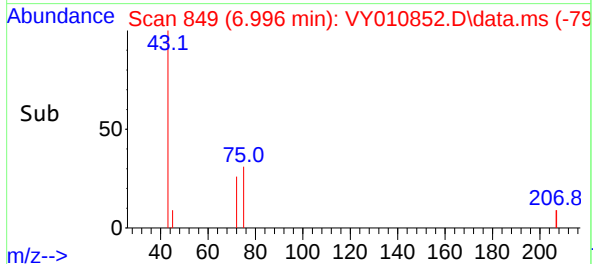
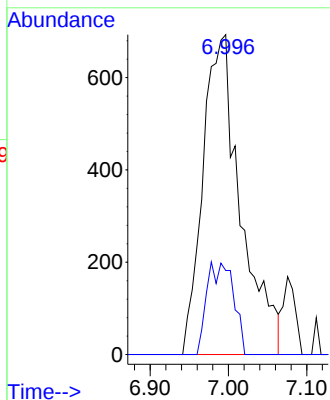
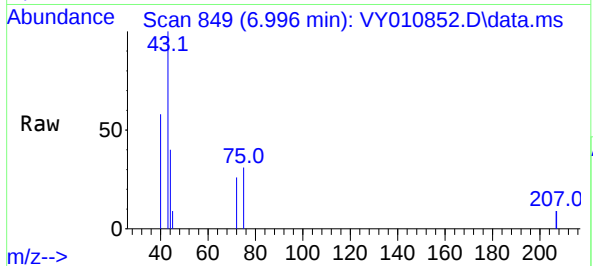




#25
2-Butanone
Concen: 2.525 ug/l
RT: 6.996 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

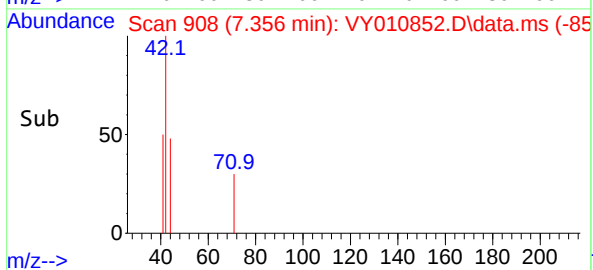
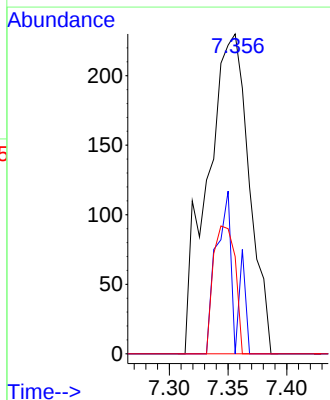
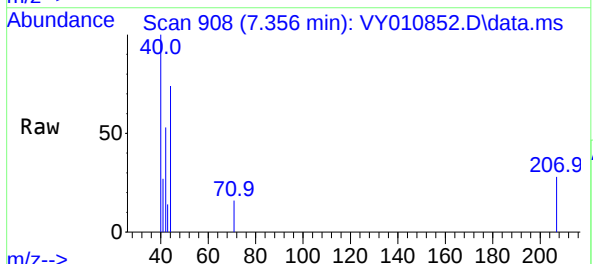
Instrument :
MSVOA_Y
ClientSampleId :
D22009-18RE

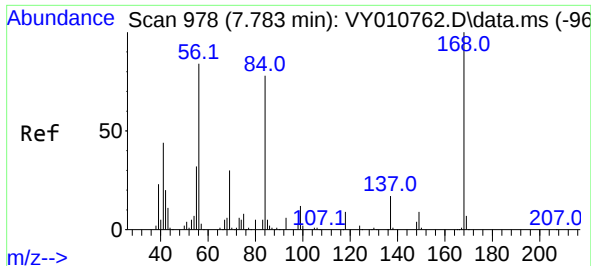
Tgt Ion: 43 Resp: 2321
Ion Ratio Lower Upper
43 100
72 26.3 17.7 26.5



#29
Tetrahydrofuran
Concen: 1.051 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Tgt Ion: 42 Resp: 568
Ion Ratio Lower Upper
42 100
72 22.5 30.3 45.5#
71 20.8 29.0 43.4#

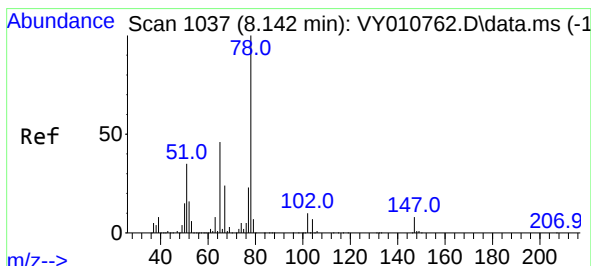
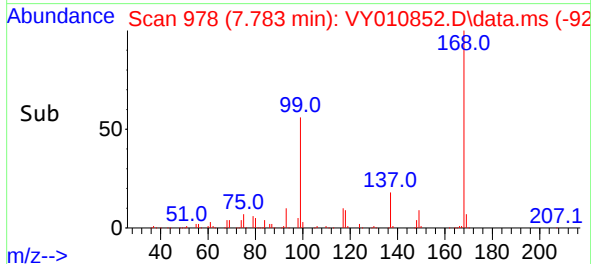
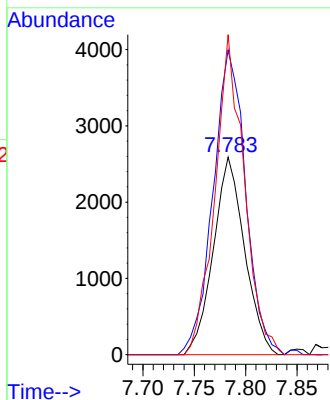
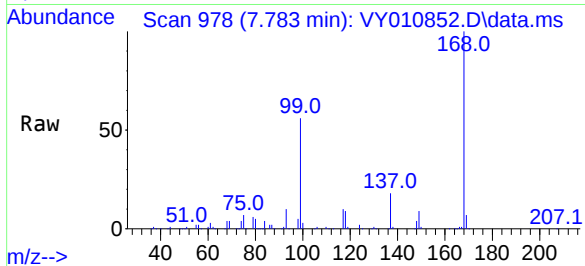




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

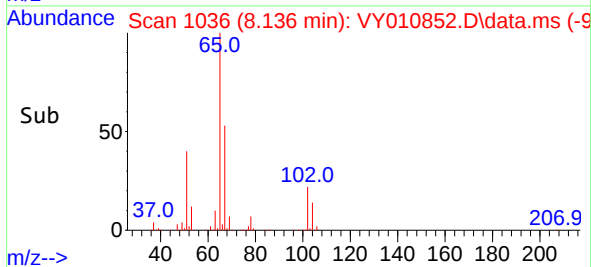
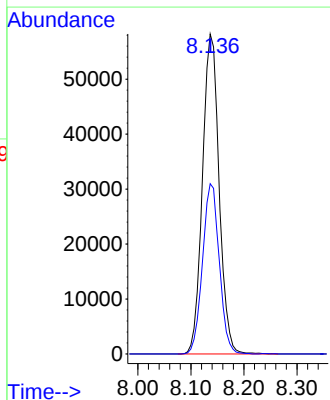
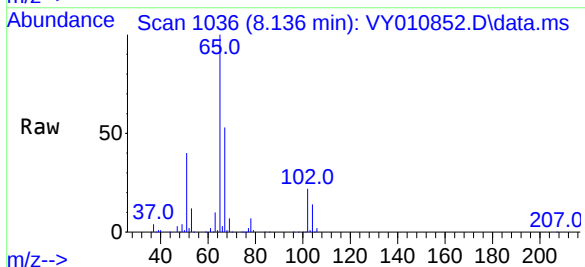
Instrument :
MSVOA_Y
ClientSampleId :
D22009-18RE

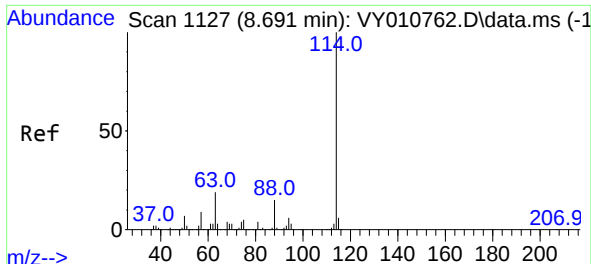
Tgt Ion: 56 Resp: 5489
Ion Ratio Lower Upper
56 100
69 154.1 26.7 40.1#
84 161.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 50.350 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Tgt Ion: 65 Resp: 126776
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010852.D

Acq: 06 Oct 2022 18:00

Instrument :

MSVOA_Y

ClientSampleId :

D22009-18RE

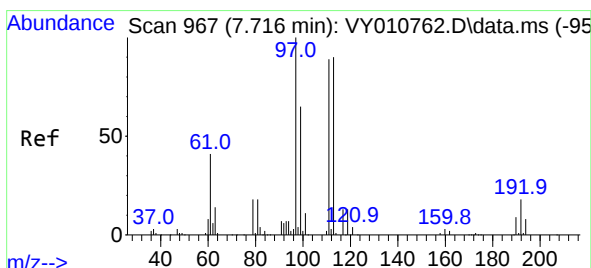
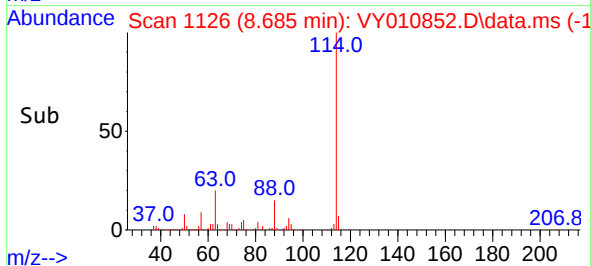
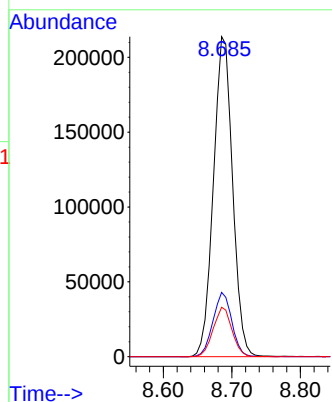
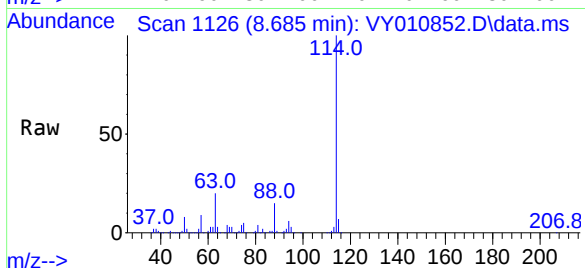
Tgt Ion:114 Resp: 414356

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.964 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY010852.D

Acq: 06 Oct 2022 18:00

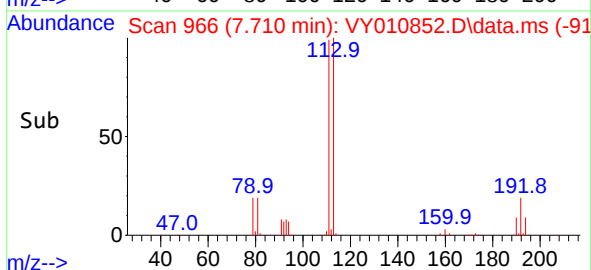
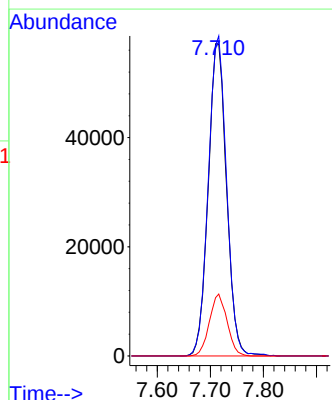
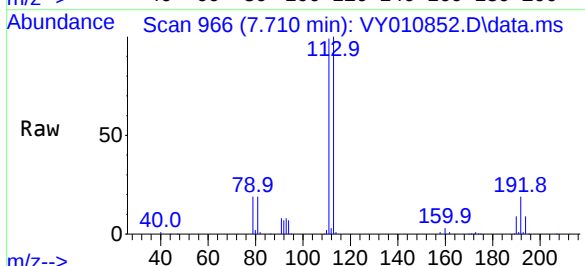
Tgt Ion:113 Resp: 137428

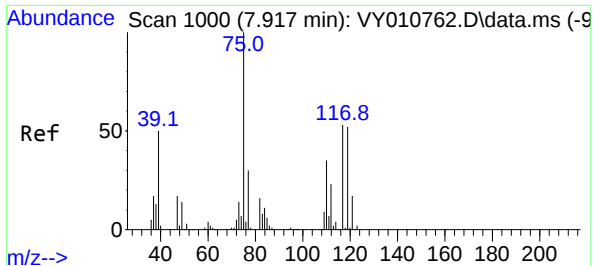
Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010852.D

Acq: 06 Oct 2022 18:00

Instrument :

MSVOA_Y

ClientSampleId :

D22009-18RE

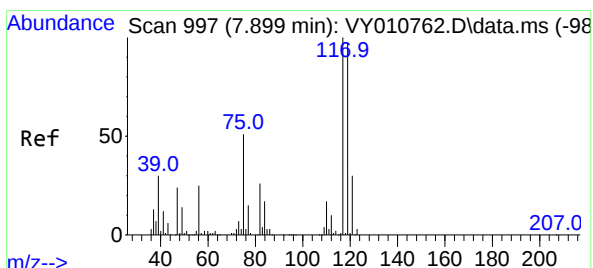
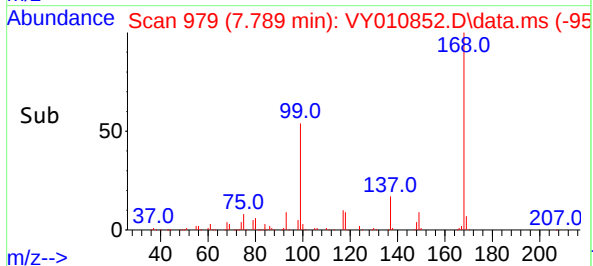
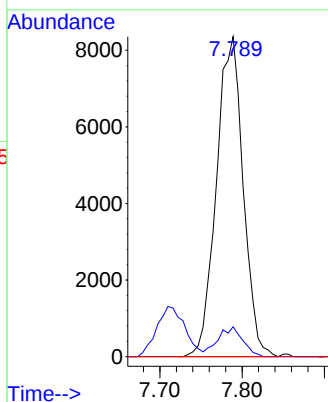
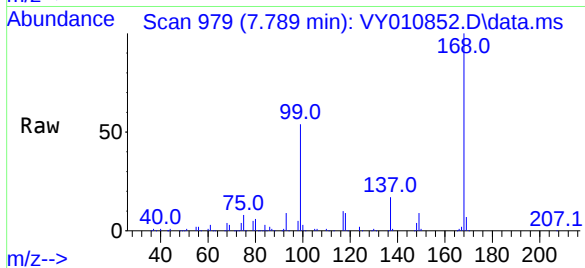
Tgt Ion: 75 Resp: 18914

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.858 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010852.D

Acq: 06 Oct 2022 18:00

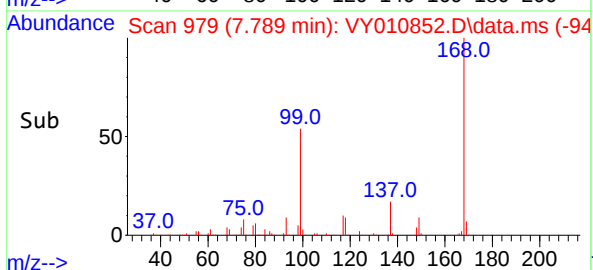
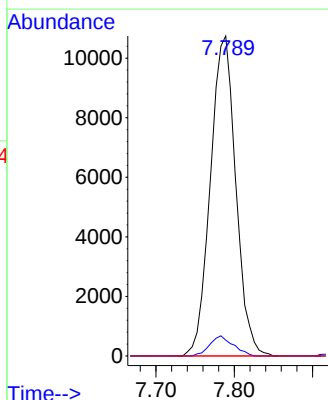
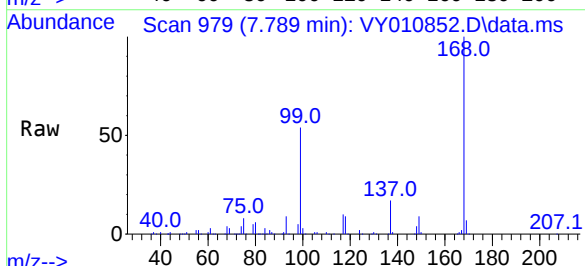
Tgt Ion: 117 Resp: 24227

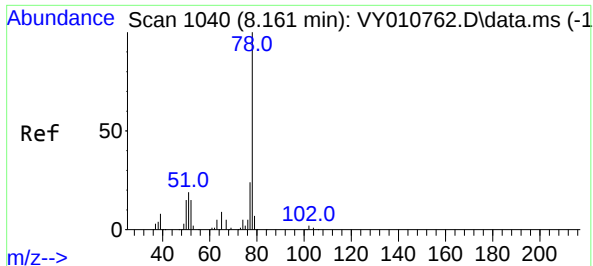
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

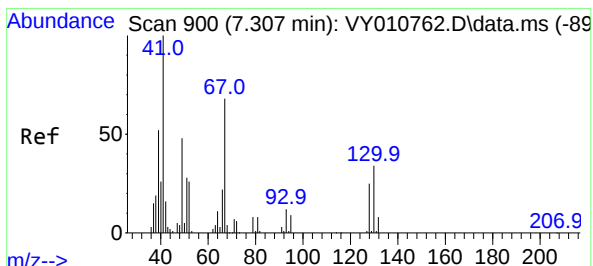
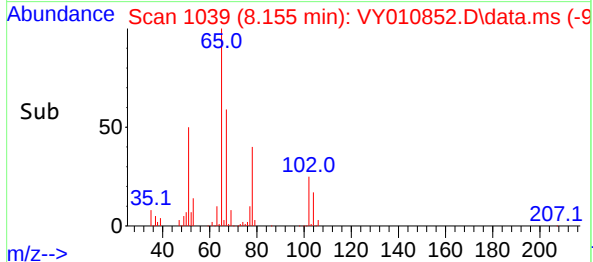
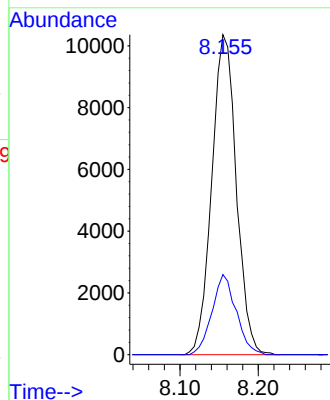
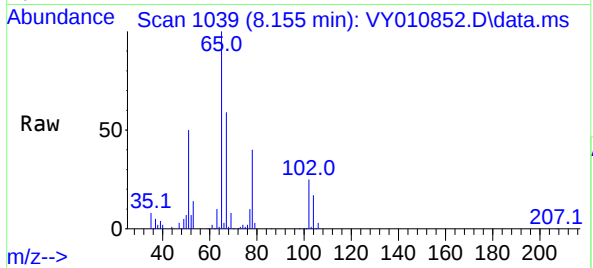




#40
Benzene
Concen: 1.974 ug/l
RT: 8.155 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

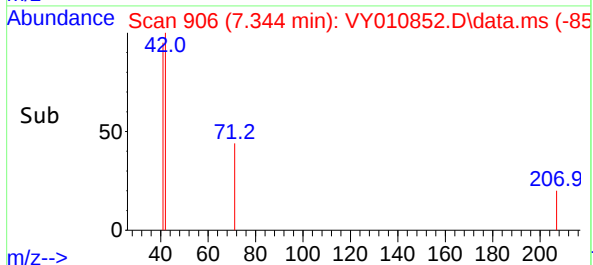
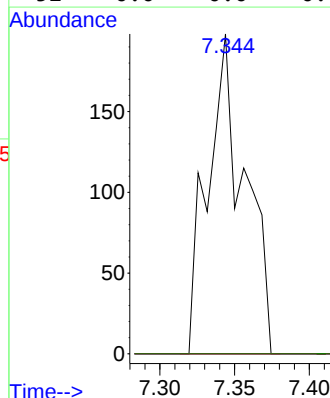
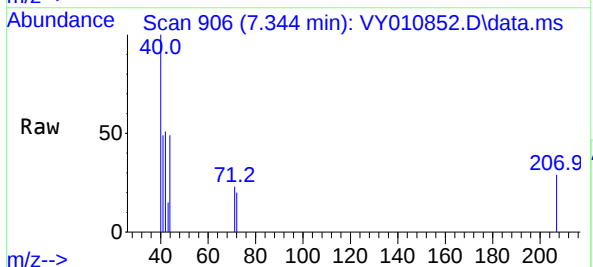
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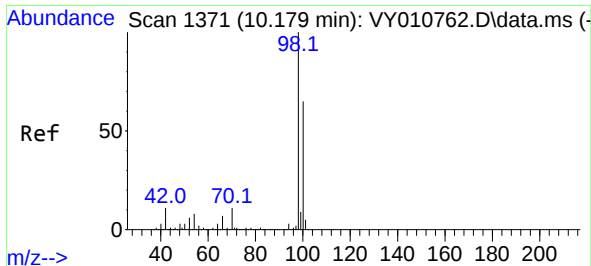
Tgt Ion: 78 Resp: 22576
Ion Ratio Lower Upper
78 100
77 25.0 20.4 30.6



#41
Methacrylonitrile
Concen: 2.864 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Tgt Ion: 41 Resp: 340
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

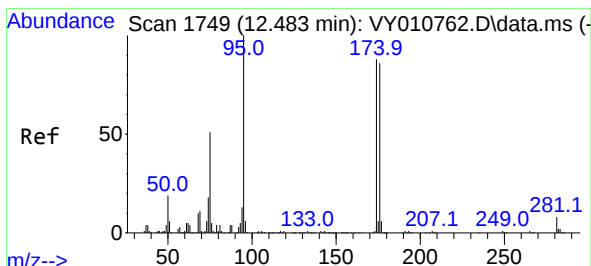
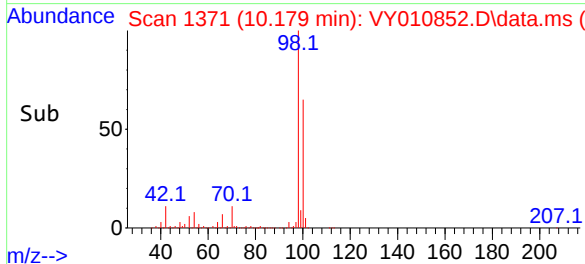
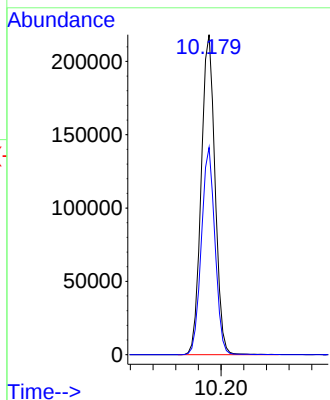
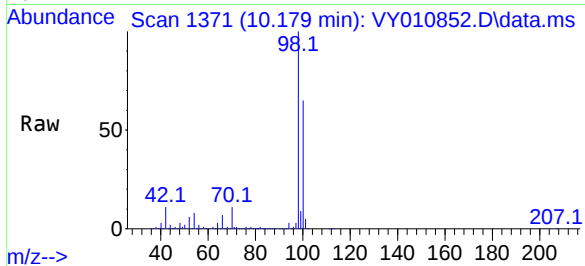




#50
Toluene-d8
Concen: 39.243 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

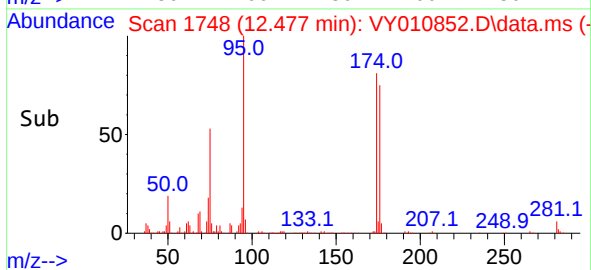
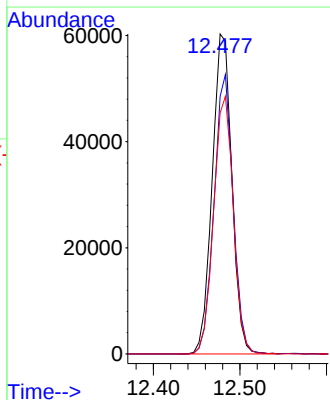
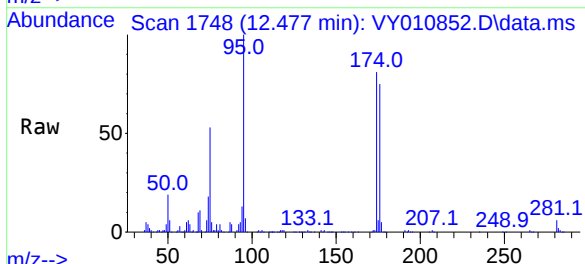
Instrument :
MSVOA_Y
ClientSampleId :
D22009-18RE

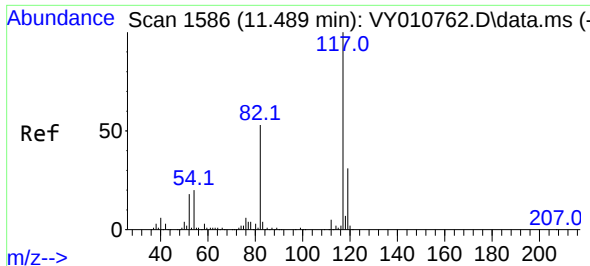
Tgt Ion: 98 Resp: 369139
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 23.957 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Tgt Ion: 95 Resp: 95084
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 80.7 0.0 175.8

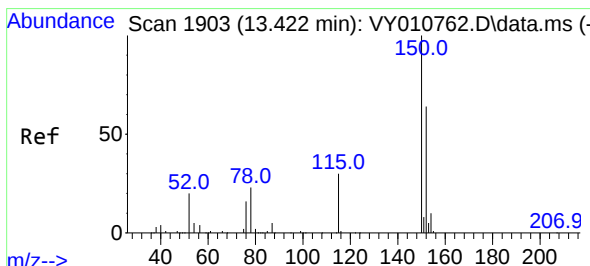
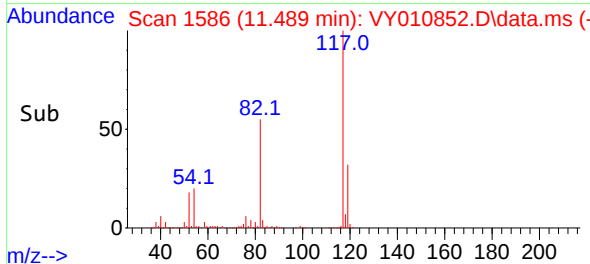
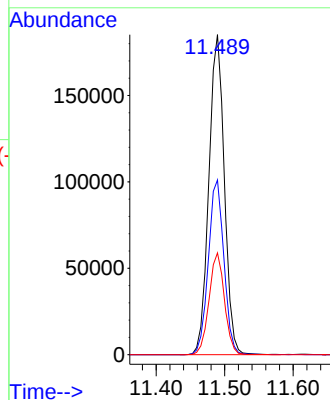
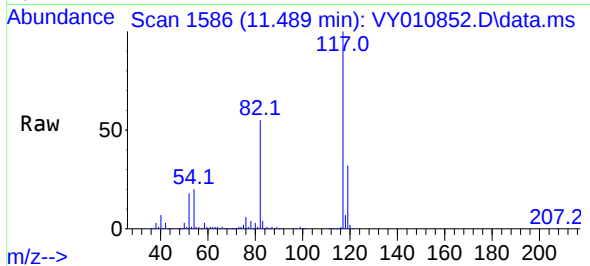




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

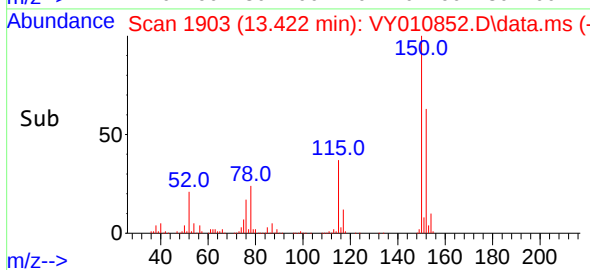
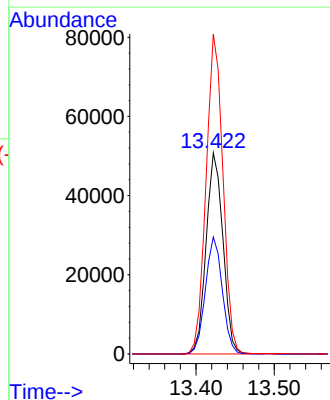
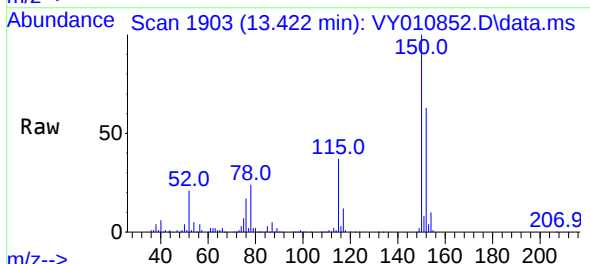
Instrument :
MSVOA_Y
ClientSampleId :
D22009-18RE

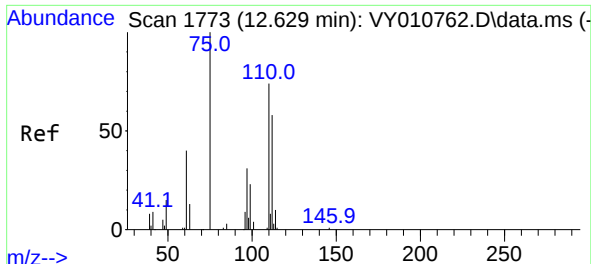
Tgt Ion:117 Resp: 291638
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Tgt Ion:152 Resp: 75697
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 159.0 0.0 347.6

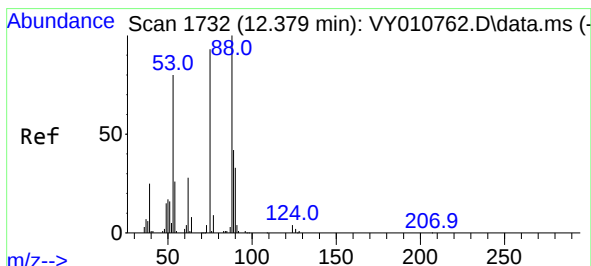
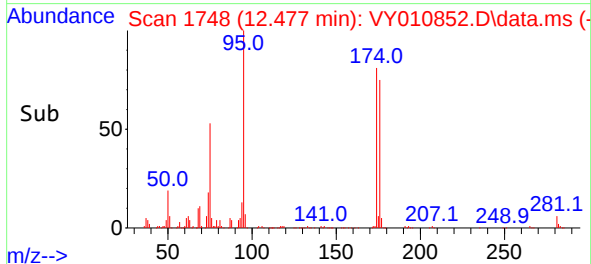
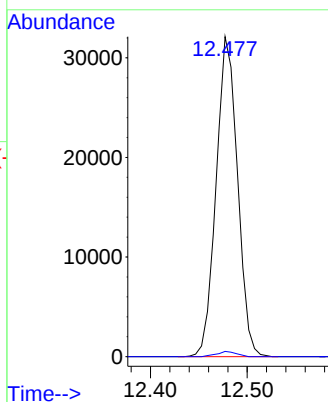
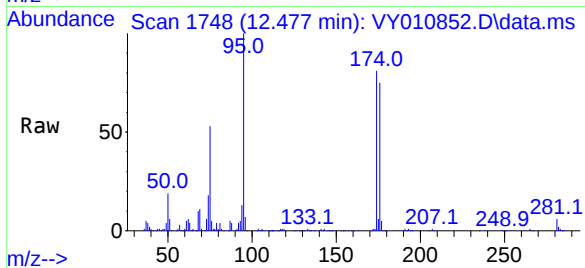




#76
1,2,3-Trichloropropane
Concen: 64.238 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Instrument :
MSVOA_Y
ClientSampleId :
D22009-18RE

Tgt Ion: 75 Resp: 49243
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.187 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010852.D
Acq: 06 Oct 2022 18:00

Tgt Ion: 75 Resp: 49243
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

