

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014957.D
 Acq On : 03 Aug 2023 18:36
 Operator : SY/MD
 Sample : 03887-04
 Misc : 4.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP7

Quant Time: Aug 04 04:33:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

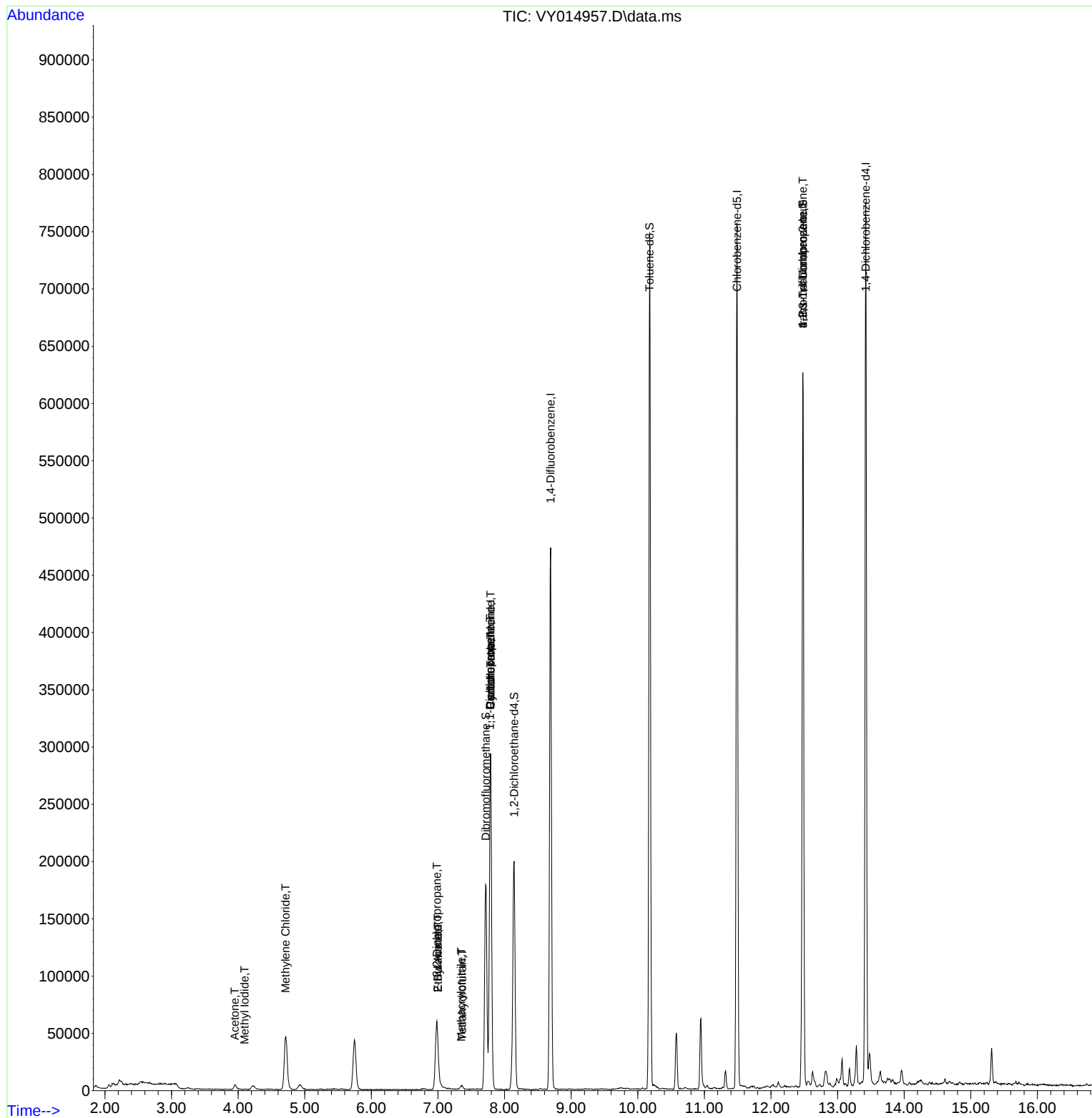
Internal Standards						
1) Pentafluorobenzene	7.789	168	229557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	408564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	398922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	196470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	154000	58.871	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.740%	
35) Dibromofluoromethane	7.716	113	129360	49.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.480%	
50) Toluene-d8	10.179	98	489464	51.046	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.100%	
62) 4-Bromofluorobenzene	12.477	95	188355	51.230	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.460%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	286	2.476	ug/l #	57
11) Tert butyl alcohol	4.924	59	4668	Below Cal	#	89
16) Acetone	3.948	43	7540	9.096	ug/l	94
20) Methylene Chloride	4.710	84	35354	9.727	ug/l	90
25) 2-Butanone	6.997	43	9020	7.438	ug/l	99
26) 2,2-Dichloropropane	6.984	77	4482	1.007	ug/l #	54
29) Tetrahydrofuran	7.362	42	2600	3.482	ug/l #	83
31) Cyclohexane	7.789	56	4960	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17974	4.621	ug/l #	50
37) Ethyl Acetate	6.997	43	9020	3.368	ug/l #	62
38) Carbon Tetrachloride	7.789	117	22489	5.470	ug/l #	16
41) Methacrylonitrile	7.350	41	1645	1.194	ug/l #	37
76) 1,2,3-Trichloropropane	12.477	75	99328	40.030	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	99328	77.505	ug/l #	10

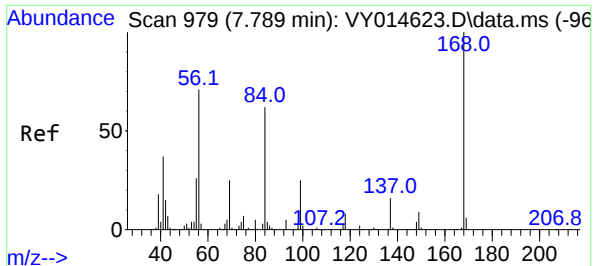
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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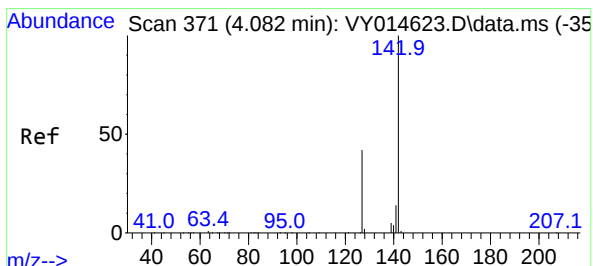
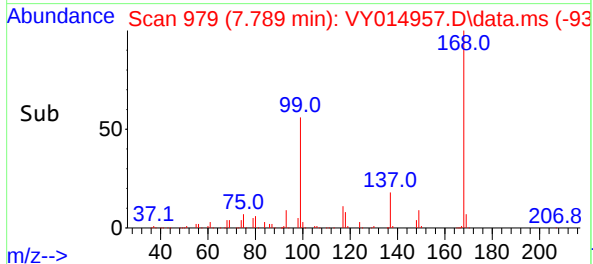
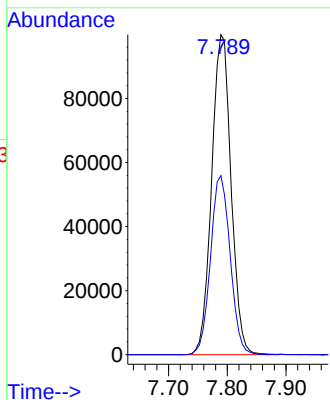
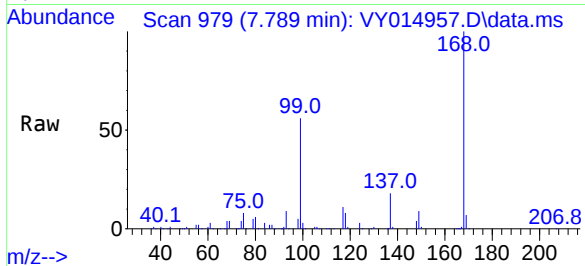




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

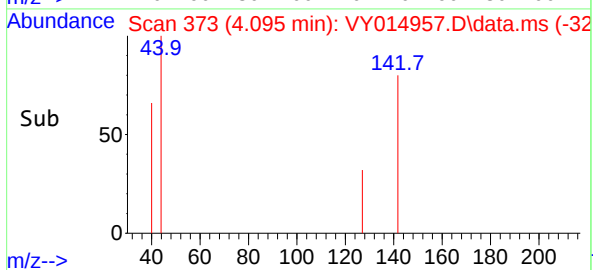
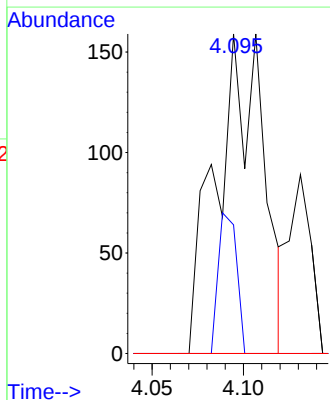
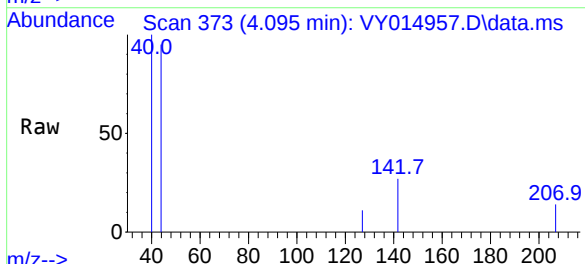
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP7

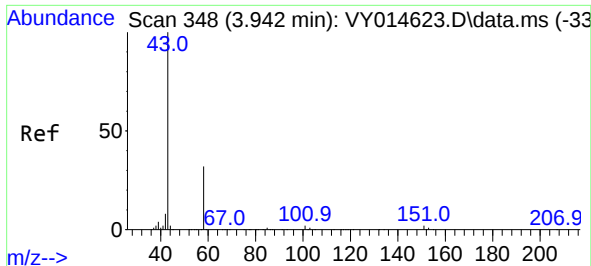
Tgt Ion:168 Resp: 229557
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.476 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Tgt Ion:142 Resp: 286
Ion Ratio Lower Upper
142 100
127 17.1 37.6 56.4#
141 0.0 11.8 17.8#

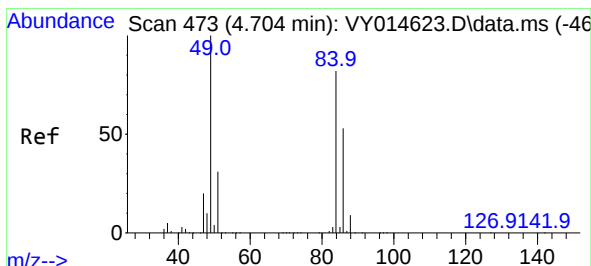
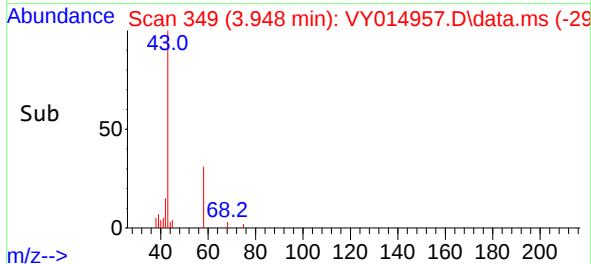
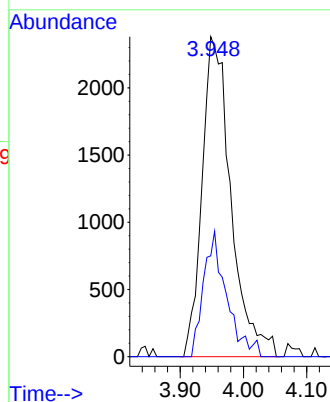
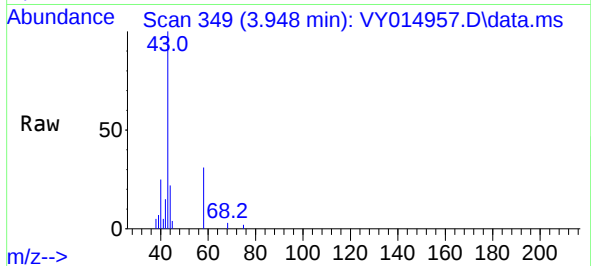




#16
Acetone
Concen: 9.096 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

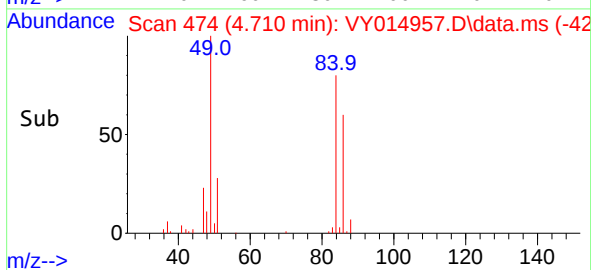
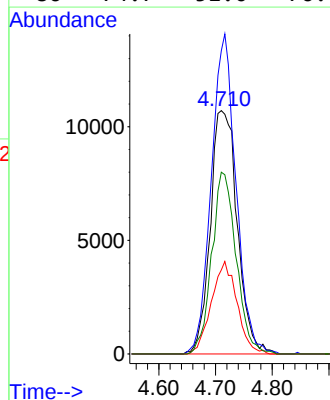
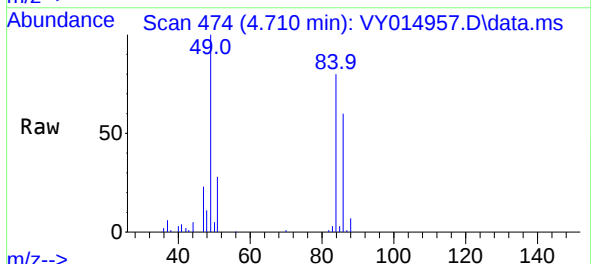
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP7

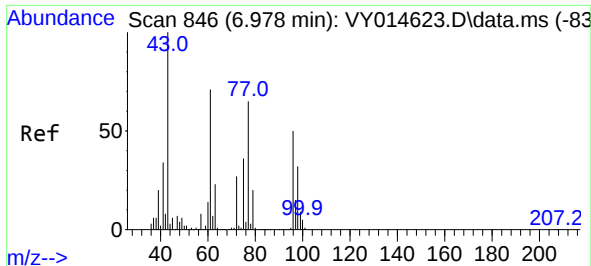
Tgt Ion: 43 Resp: 7540
Ion Ratio Lower Upper
43 100
58 31.5 22.7 34.1



#20
Methylene Chloride
Concen: 9.727 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Tgt Ion: 84 Resp: 35354
Ion Ratio Lower Upper
84 100
49 124.5 106.9 160.3
51 34.5 33.2 49.8
86 74.7 51.0 76.6

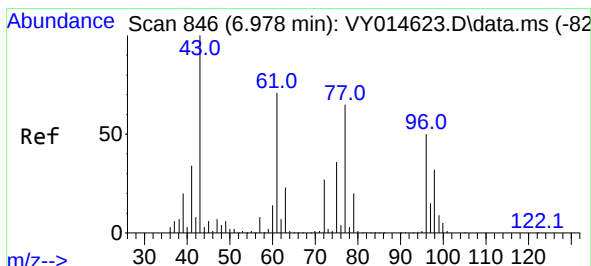
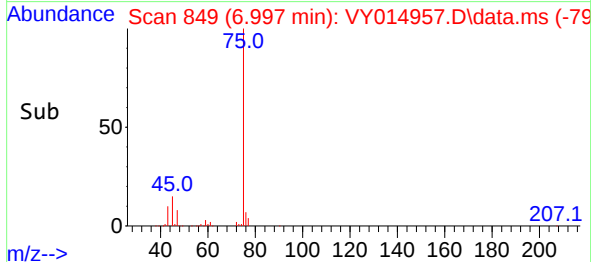
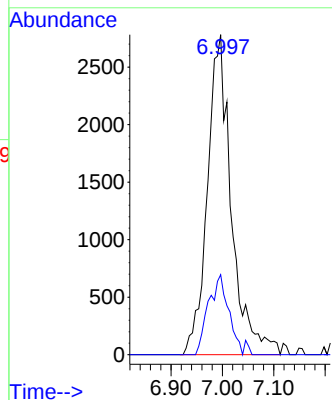
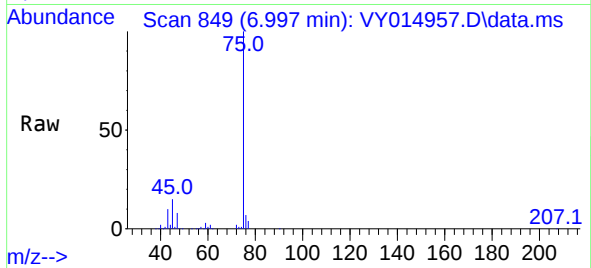




#25
2-Butanone
Concen: 7.438 ug/l
RT: 6.997 min Scan# 846
Delta R.T. 0.019 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

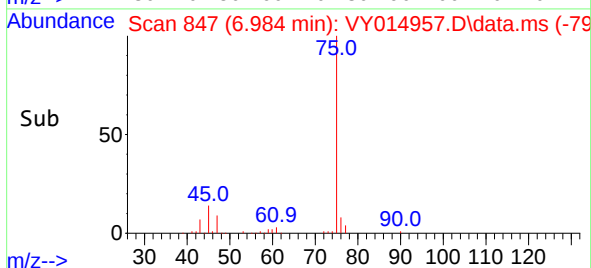
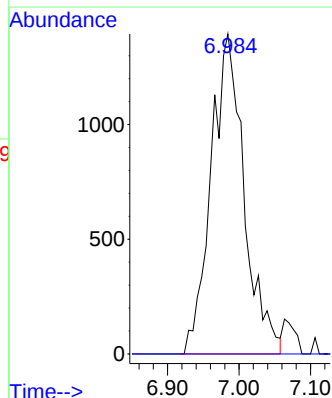
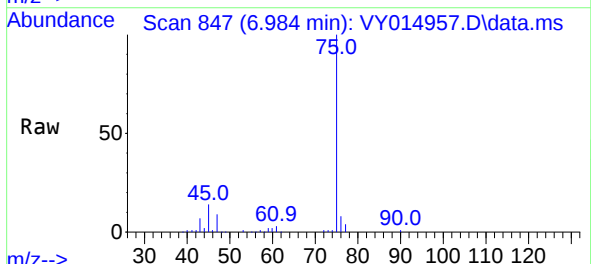
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP7

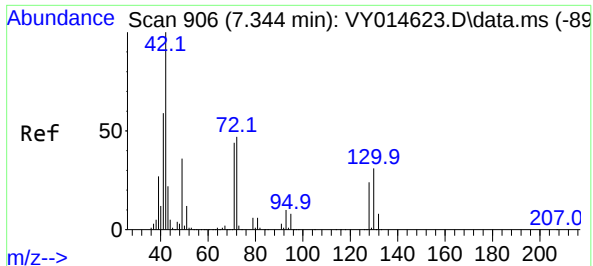
Tgt Ion: 43 Resp: 9020
Ion Ratio Lower Upper
43 100
72 25.0 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.007 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

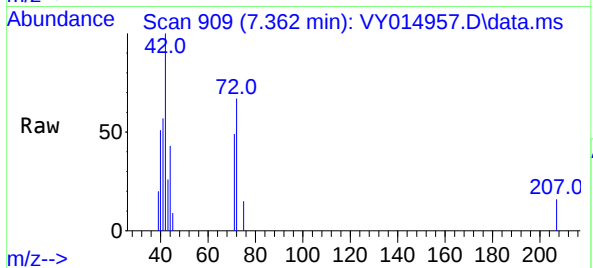
Tgt Ion: 77 Resp: 4482
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





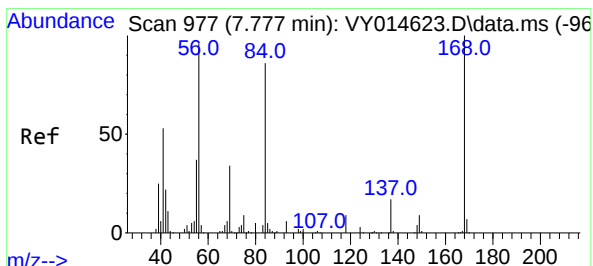
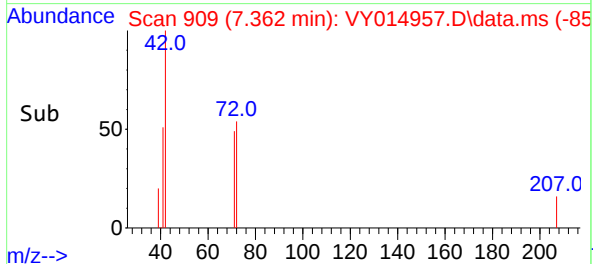
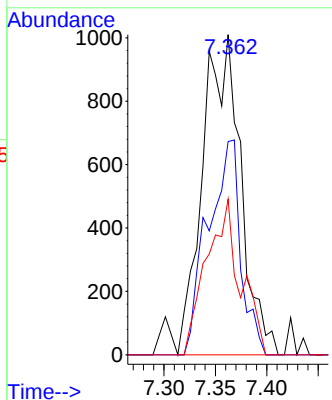
#29
Tetrahydrofuran
Concen: 3.482 ug/l
RT: 7.362 min Scan# 906
Delta R.T. 0.018 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP7



Tgt Ion: 42 Resp: 2600

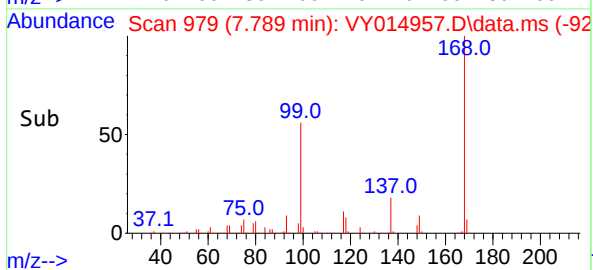
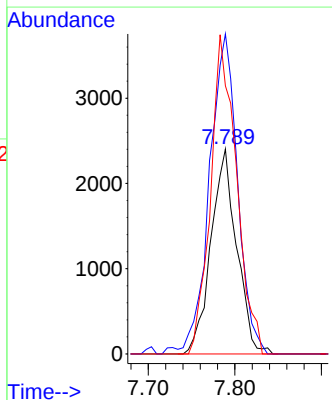
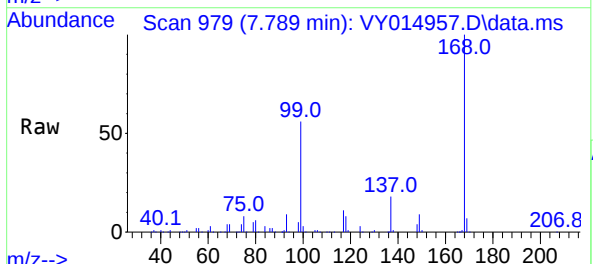
Ion	Ratio	Lower	Upper
42	100		
72	57.5	32.8	49.2#
71	43.3	31.0	46.4

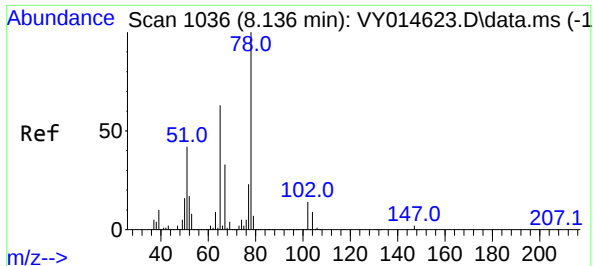


#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Tgt Ion: 56 Resp: 4960

Ion	Ratio	Lower	Upper
56	100		
69	156.1	27.8	41.6#
84	130.8	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.871 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014957.D

Acq: 03 Aug 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

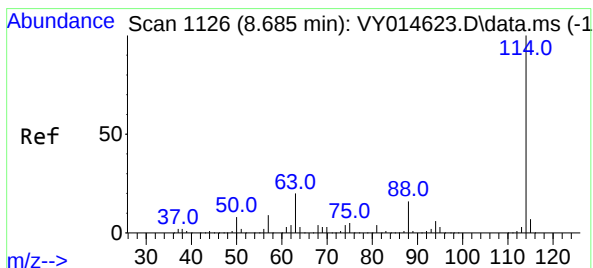
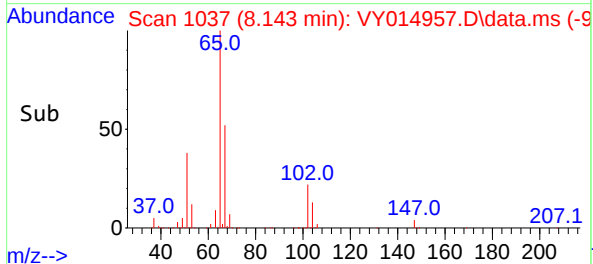
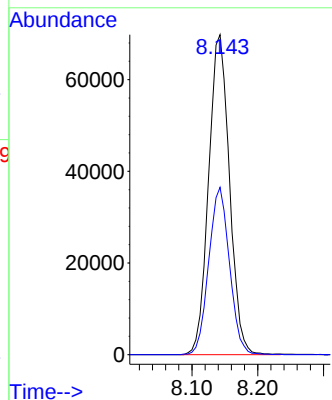
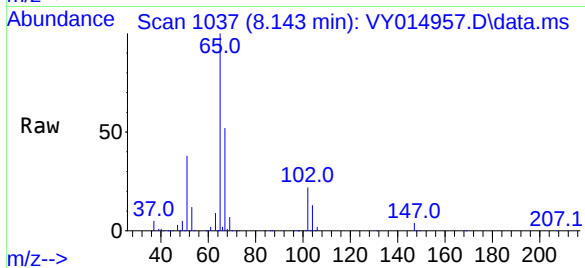
MCLEAN-TP7

Tgt Ion: 65 Resp: 154000

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014957.D

Acq: 03 Aug 2023 18:36

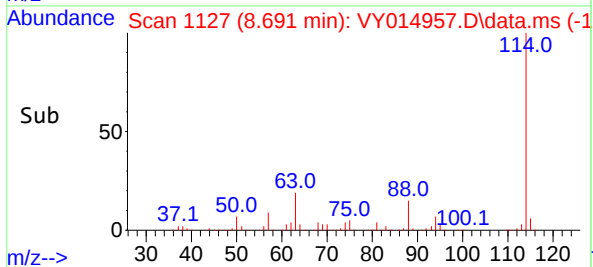
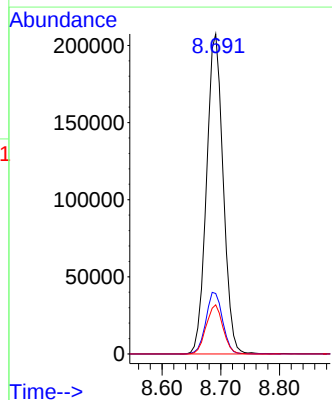
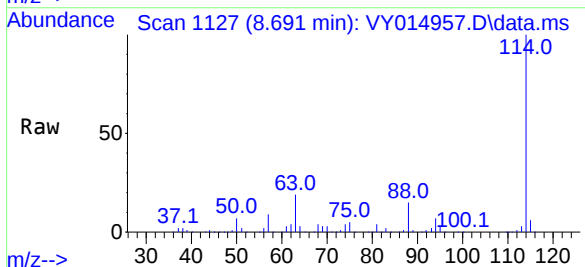
Tgt Ion: 114 Resp: 408564

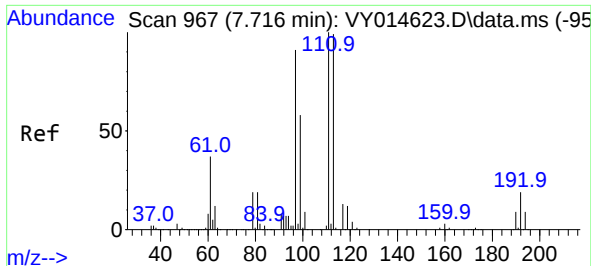
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.3 0.0 30.6

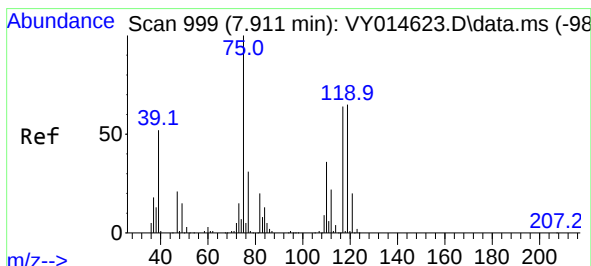
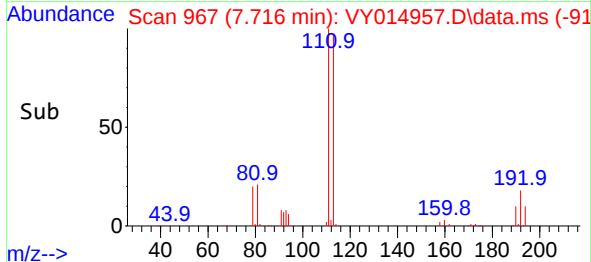
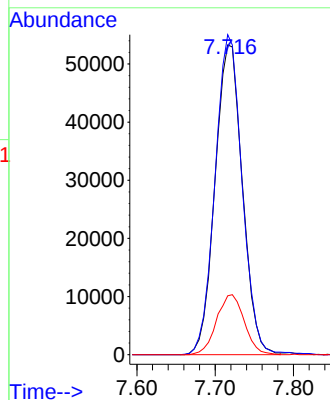
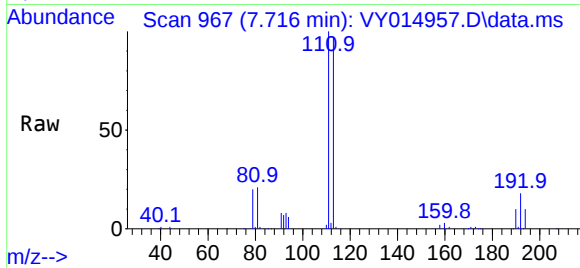




#35
Dibromofluoromethane
Concen: 49.738 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

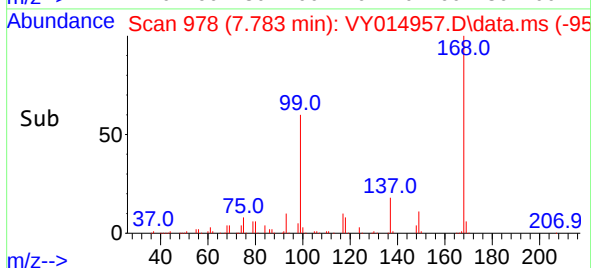
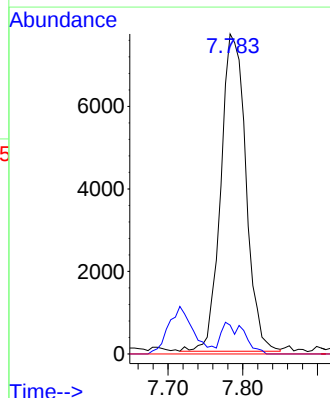
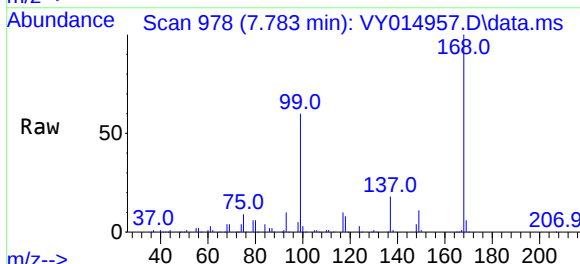
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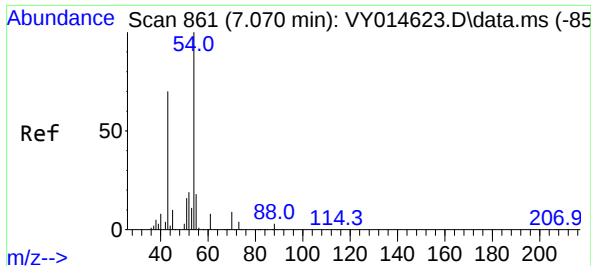
Tgt Ion:113 Resp: 129360
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Tgt Ion: 75 Resp: 17974
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.368 ug/l

RT: 6.997 min Scan# 84

Delta R.T. -0.074 min

Lab File: VY014957.D

Acq: 03 Aug 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP7

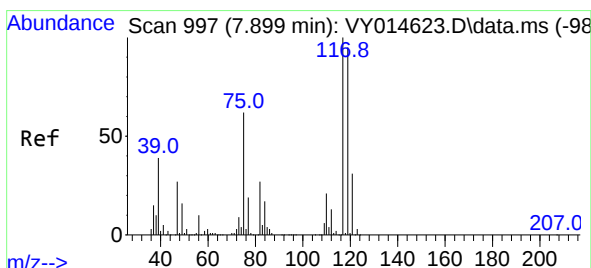
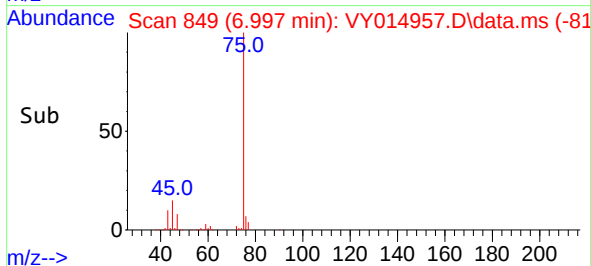
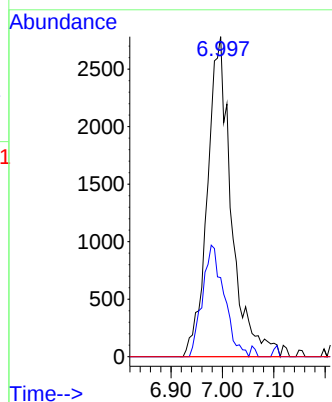
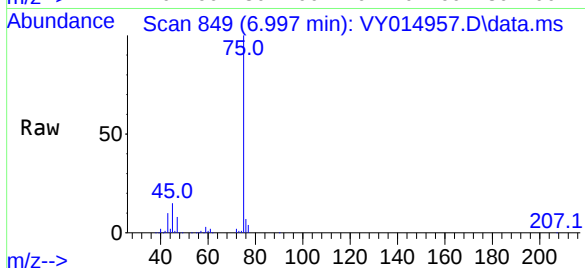
Tgt Ion: 43 Resp: 9020

Ion Ratio Lower Upper

43 100

61 31.5 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.470 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014957.D

Acq: 03 Aug 2023 18:36

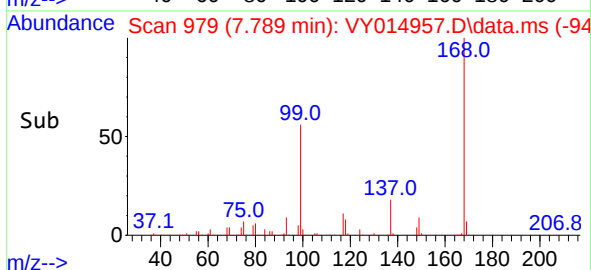
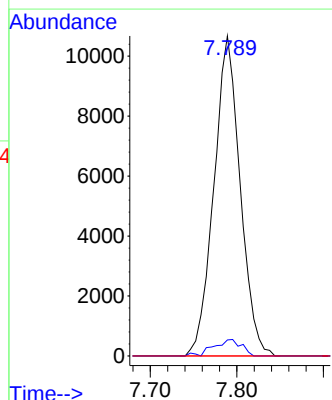
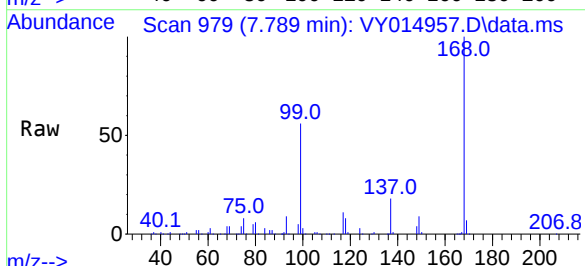
Tgt Ion: 117 Resp: 22489

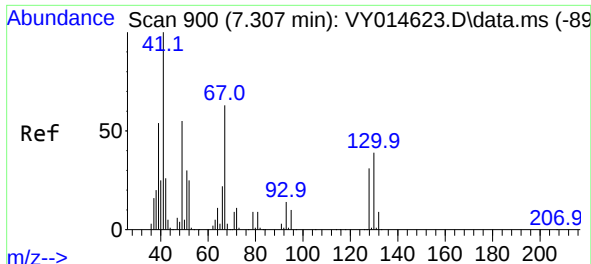
Ion Ratio Lower Upper

117 100

119 5.0 76.4 114.6#

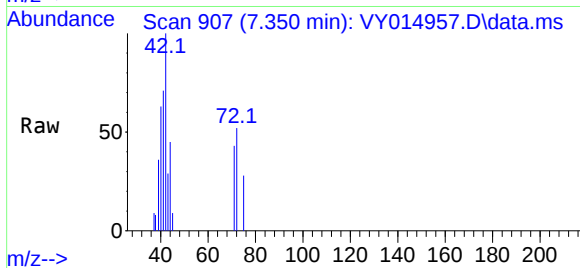
121 0.0 25.8 38.6#





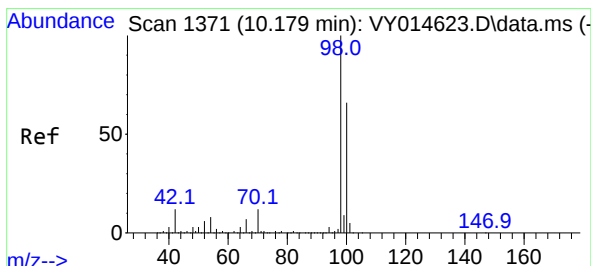
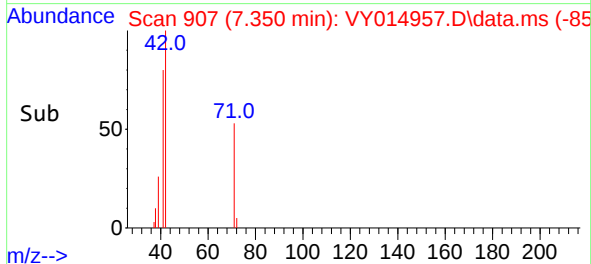
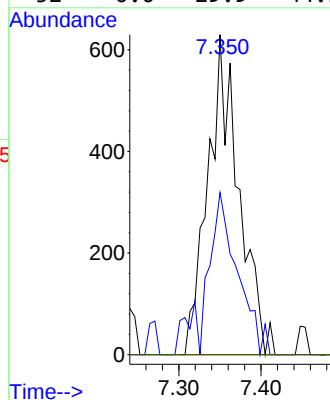
#41
Methacrylonitrile
Concen: 1.194 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP7



Tgt Ion: 41 Resp: 1645

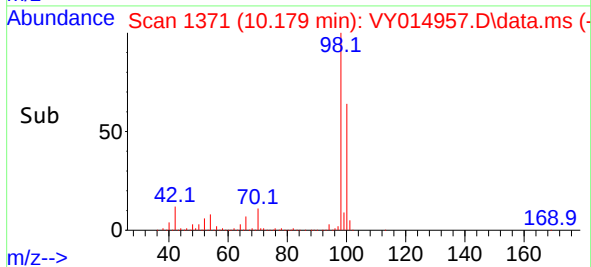
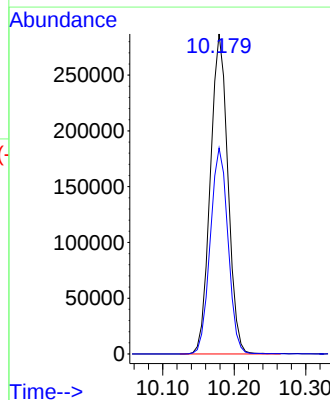
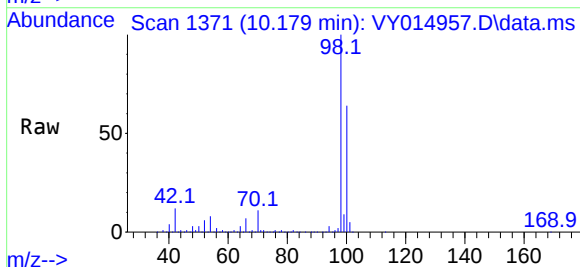
Ion	Ratio	Lower	Upper
41	100		
39	45.0	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#

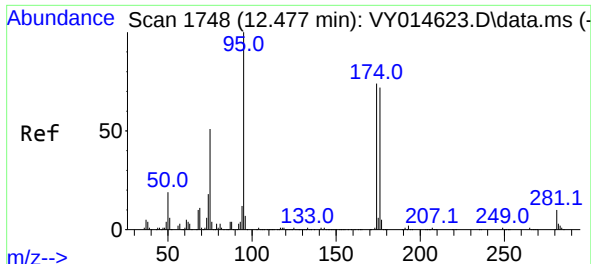


#50
Toluene-d8
Concen: 51.046 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Tgt Ion: 98 Resp: 489464

Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.1	75.1

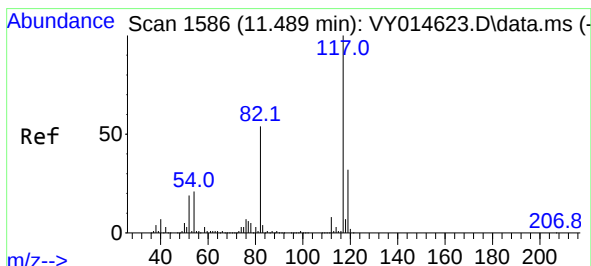
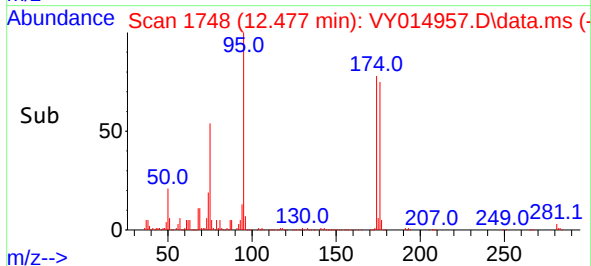
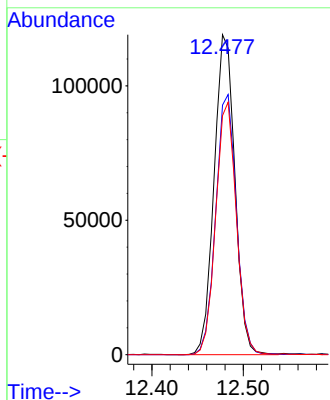
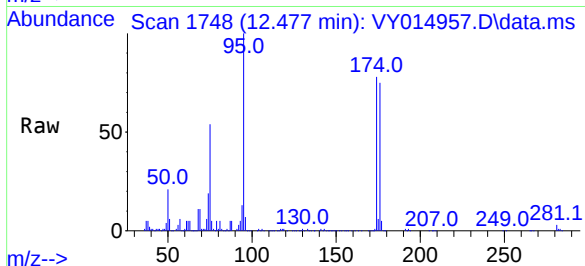




#62
4-Bromofluorobenzene
Concen: 51.230 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

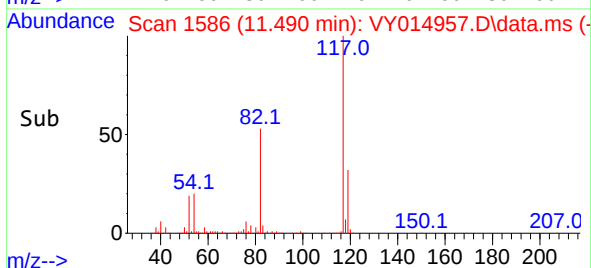
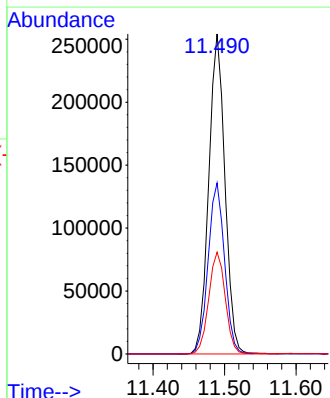
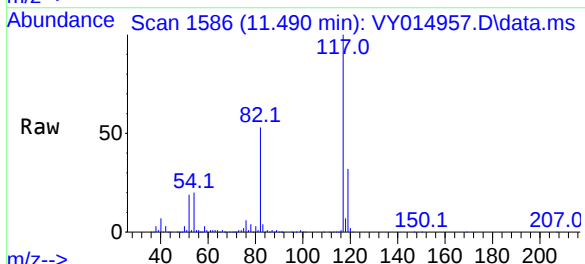
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP7

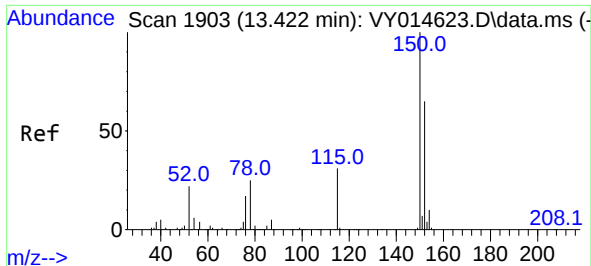
Tgt Ion:	95	Resp:	188355
Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	178.2
176	77.9	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Tgt Ion:	117	Resp:	398922
Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.4	65.0
119	31.8	26.3	39.5

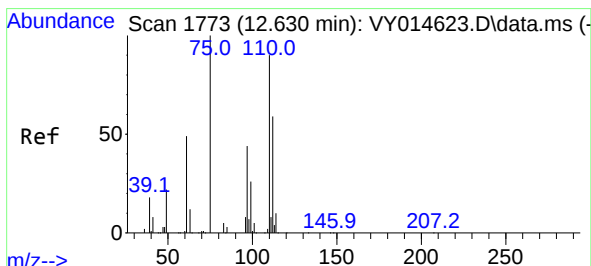
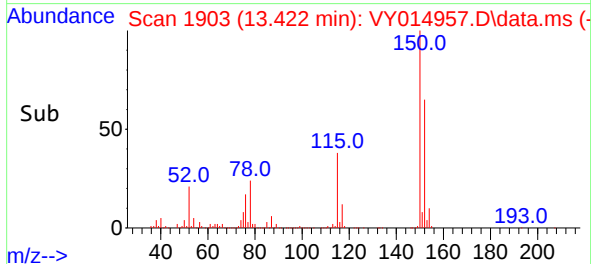
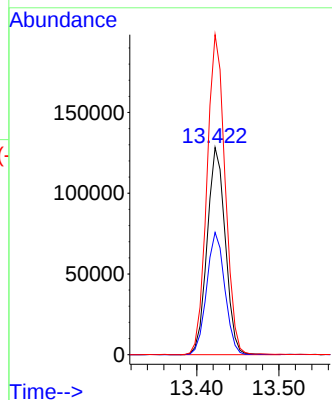
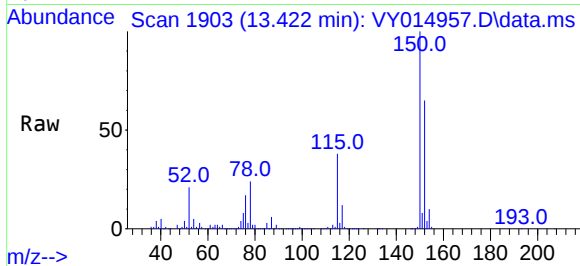




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

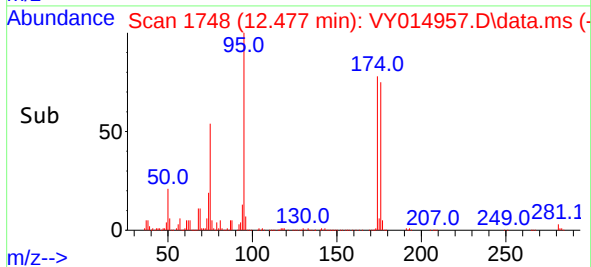
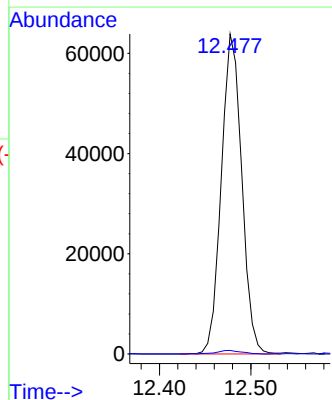
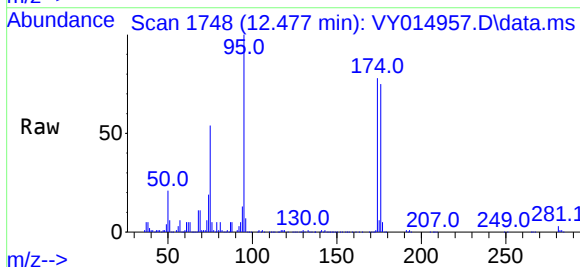
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP7

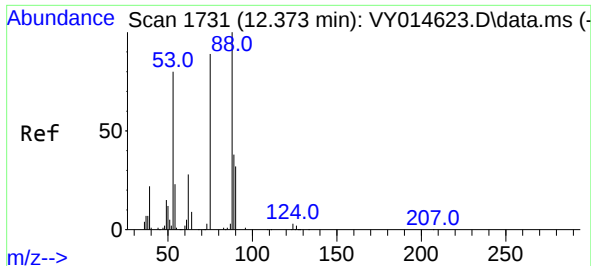
Tgt Ion:152 Resp: 196470
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.5
150 154.9 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 40.030 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

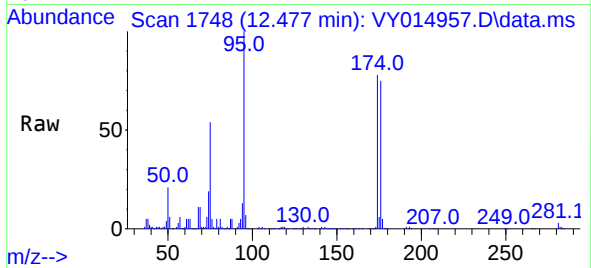
Tgt Ion: 75 Resp: 99328
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 77.505 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014957.D
Acq: 03 Aug 2023 18:36

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP7



Tgt Ion: 75 Resp: 99328
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

