

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014954.D
 Acq On : 03 Aug 2023 17:26
 Operator : SY/MD
 Sample : 03887-13
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP9

Quant Time: Aug 04 04:33:08 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)

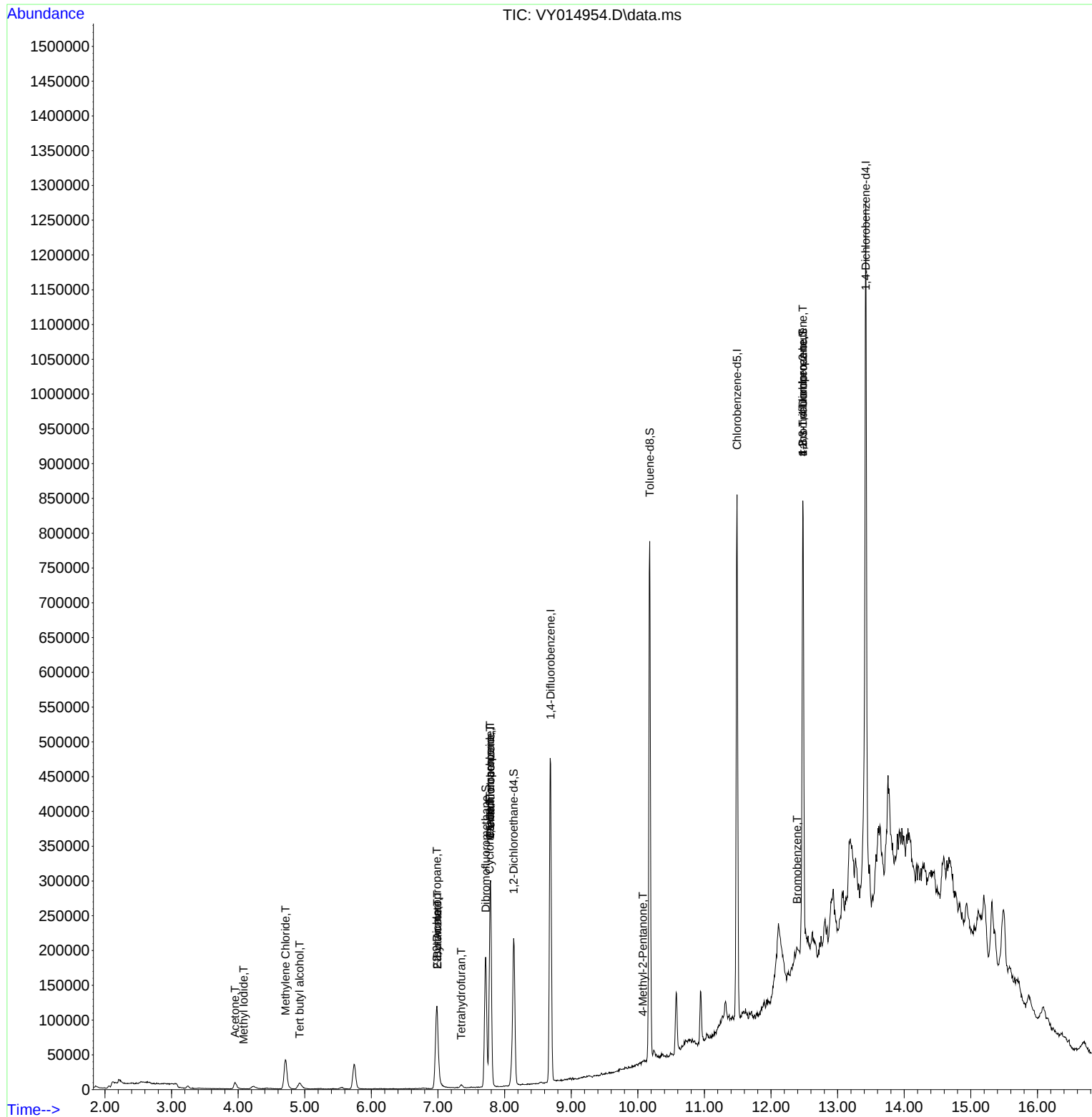
Internal Standards						
1) Pentafluorobenzene	7.789	168	230895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	397784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	207874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	156499	59.480	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.960%			
35) Dibromofluoromethane	7.716	113	131642	50.369	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.740%			
50) Toluene-d8	10.179	98	492649	51.128	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.260%			
62) 4-Bromofluorobenzene	12.477	95	203792	55.158	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.320%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.082	142	236	2.457	ug/l #	49
11) Tert butyl alcohol	4.924	59	10670	7.783	ug/l #	89
16) Acetone	3.954	43	17253	20.693	ug/l	92
20) Methylene Chloride	4.710	84	32087	8.327	ug/l	89
25) 2-Butanone	6.990	43	26759	21.937	ug/l	97
26) 2,2-Dichloropropane	6.984	77	8584	1.918	ug/l #	54
29) Tetrahydrofuran	7.350	42	3303	4.398	ug/l	91
31) Cyclohexane	7.777	56	5167	1.183	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	18514	4.737	ug/l #	51
37) Ethyl Acetate	6.990	43	26759	9.944	ug/l #	80
38) Carbon Tetrachloride	7.783	117	23272	5.633	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	2754	1.023	ug/l	92
76) 1,2,3-Trichloropropane	12.477	75	102312	38.970	ug/l #	100
77) Bromobenzene	12.392	156	39772	10.705	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	102312	75.453	ug/l #	11

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

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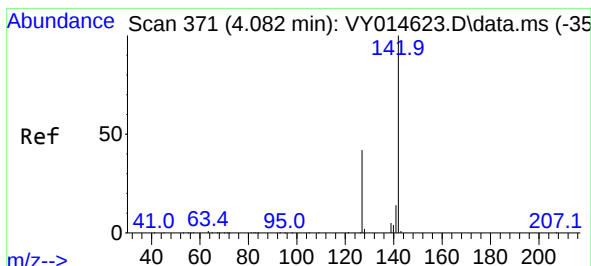
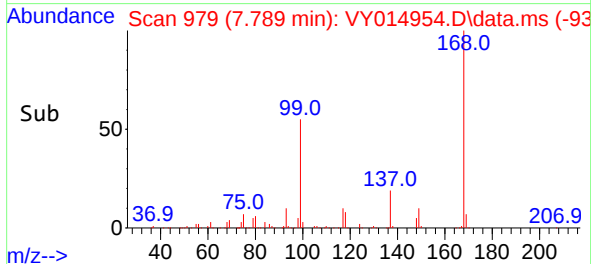
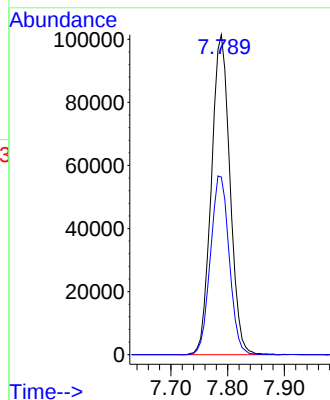
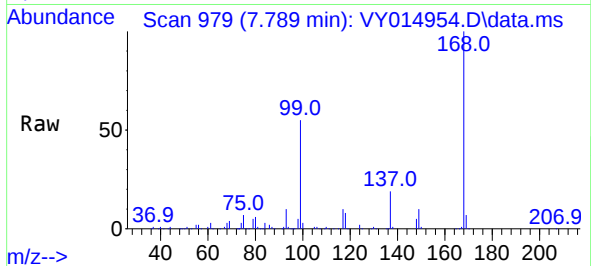




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

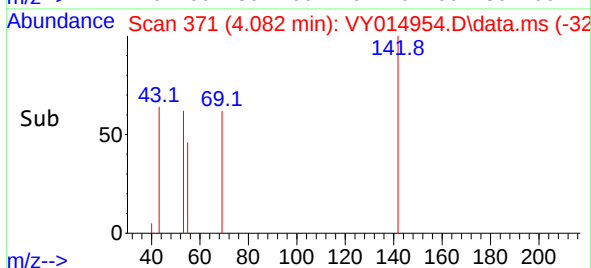
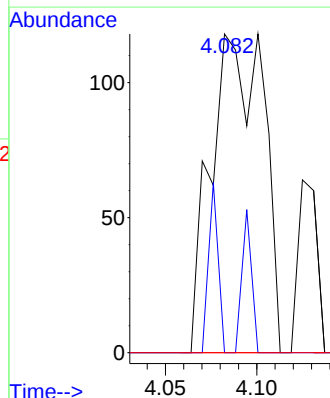
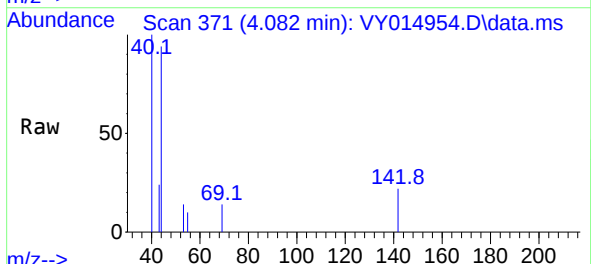
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

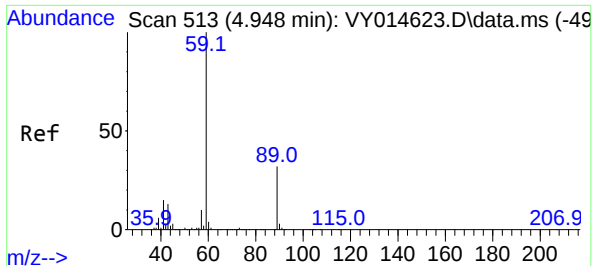
Tgt Ion:168 Resp: 230895
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.457 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Tgt Ion:142 Resp: 236
Ion Ratio Lower Upper
142 100
127 9.7 37.6 56.4#
141 0.0 11.8 17.8#

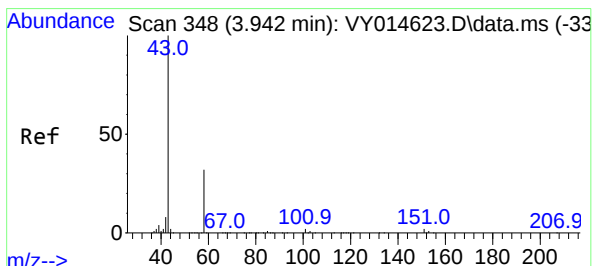
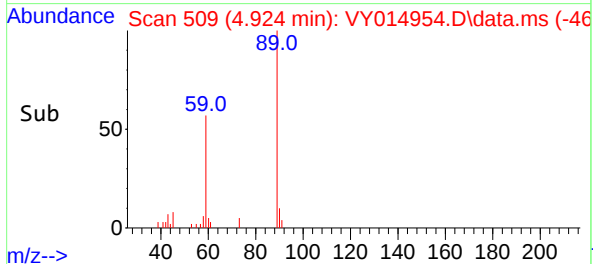
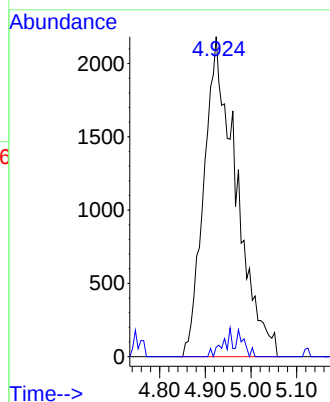
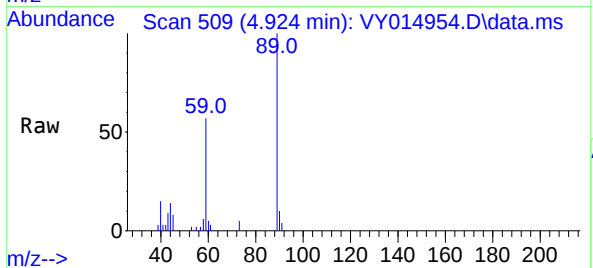




#11
Tert butyl alcohol
Concen: 7.783 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

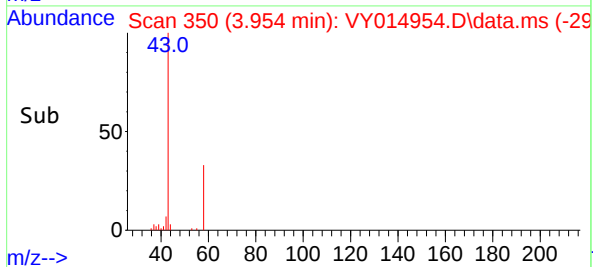
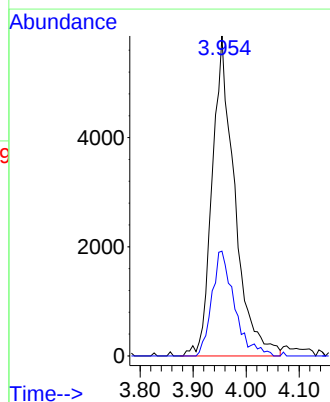
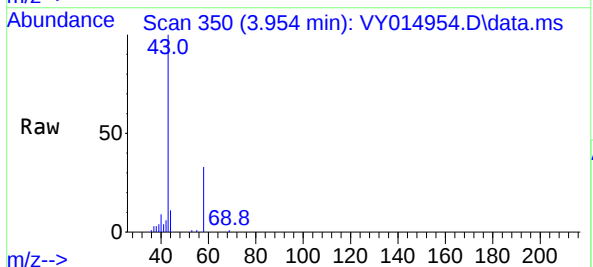
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

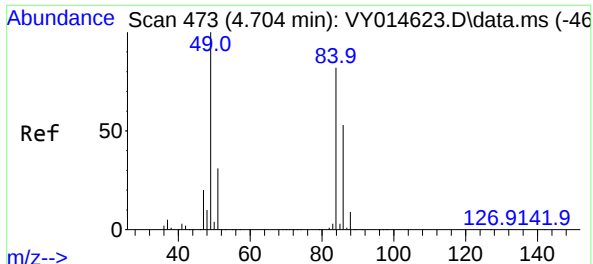
Tgt Ion: 59 Resp: 10670
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 20.693 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Tgt Ion: 43 Resp: 17253
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1



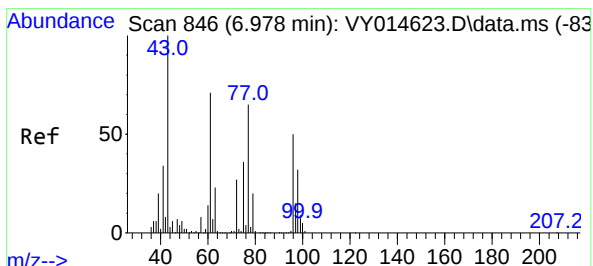
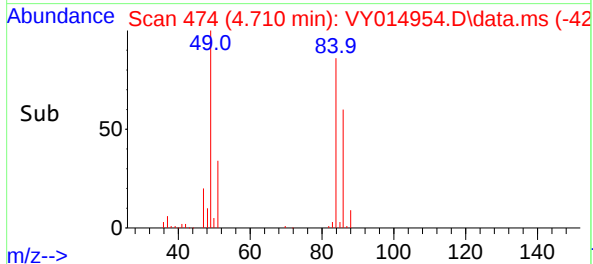
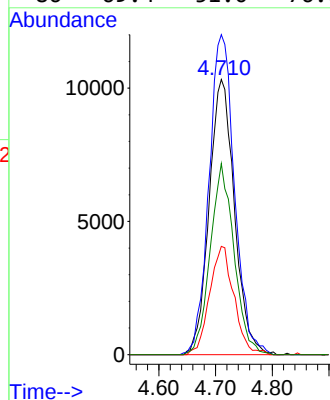
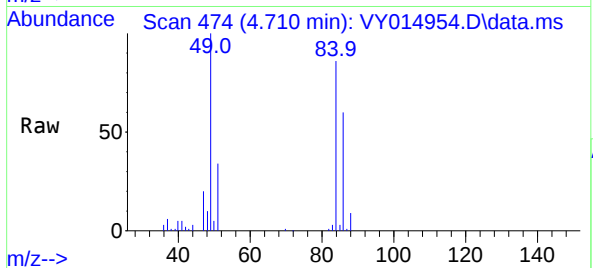


#20
Methylene Chloride
Concen: 8.327 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

Tgt Ion: 84 Resp: 32087

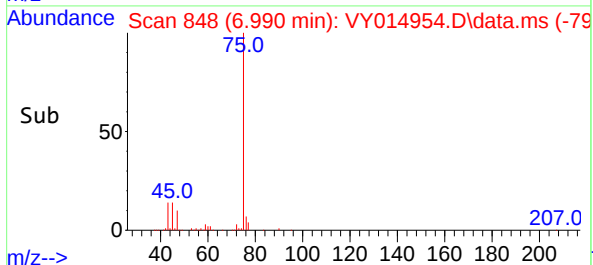
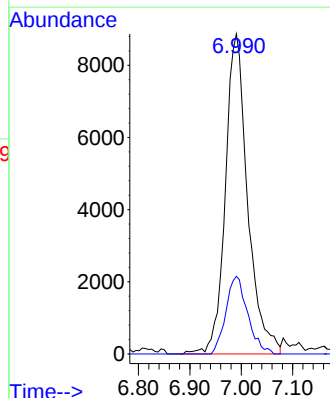
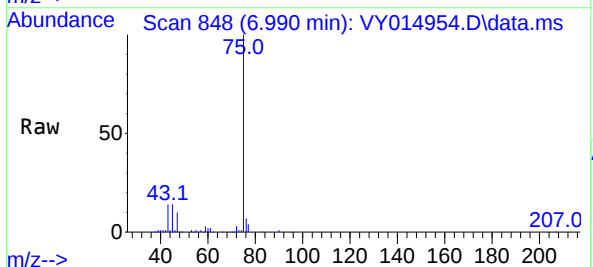
Ion	Ratio	Lower	Upper
84	100		
49	116.3	106.9	160.3
51	39.4	33.2	49.8
86	69.4	51.0	76.6

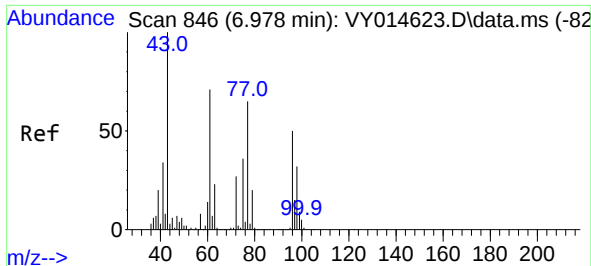


#25
2-Butanone
Concen: 21.937 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Tgt Ion: 43 Resp: 26759

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.5	30.7

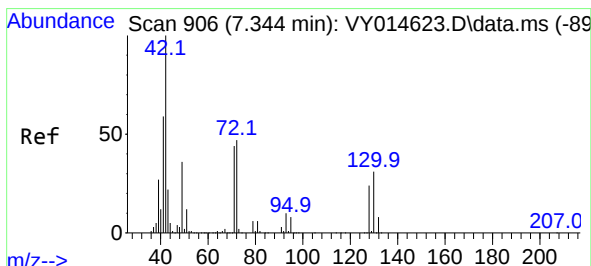
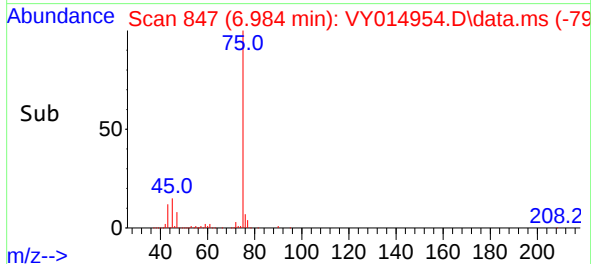
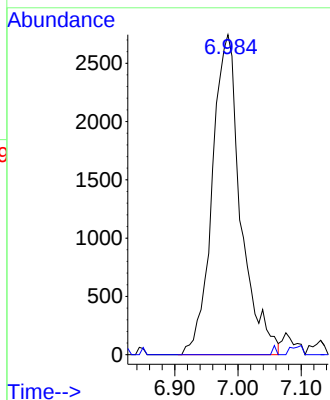
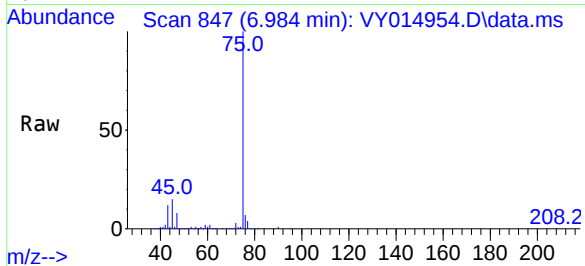




#26
2,2-Dichloropropane
Concen: 1.918 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

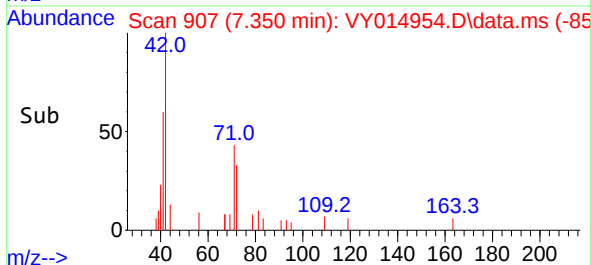
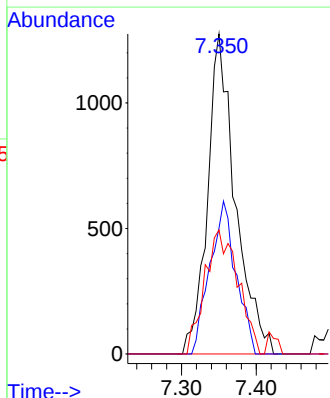
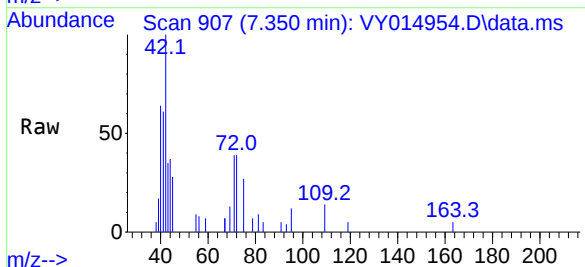
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

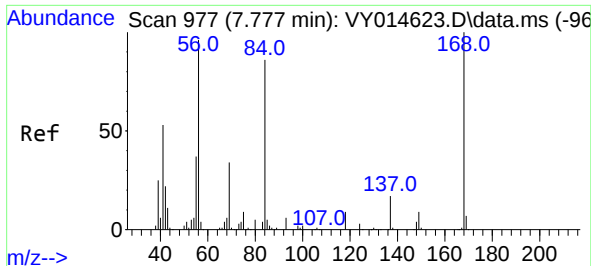
Tgt Ion: 77 Resp: 8584
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 4.398 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

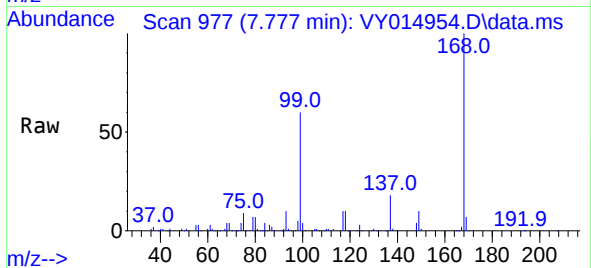
Tgt Ion: 42 Resp: 3303
Ion Ratio Lower Upper
42 100
72 44.9 32.8 49.2
71 46.4 31.0 46.4



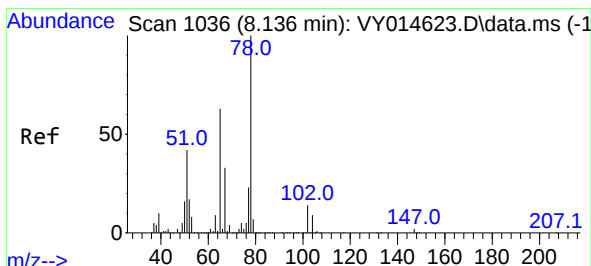
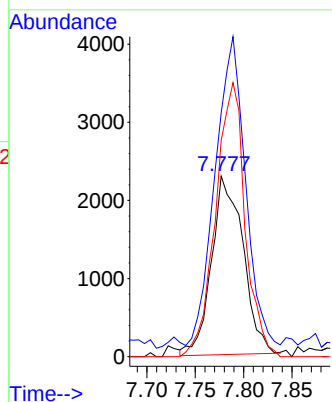
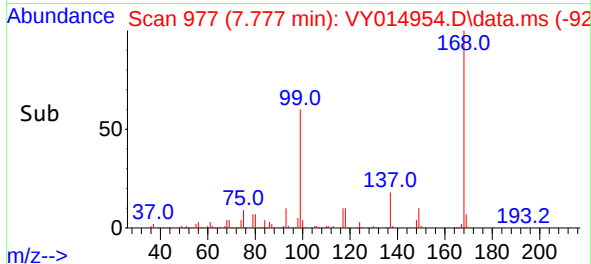


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

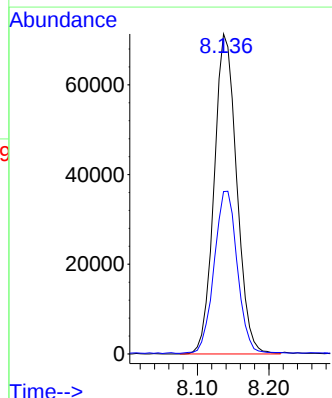
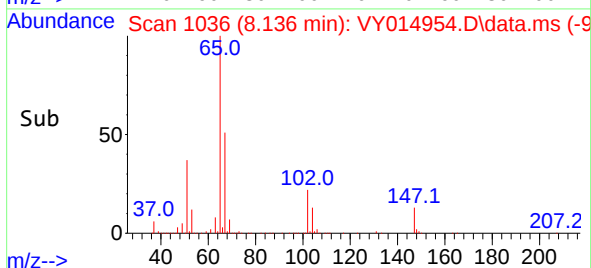
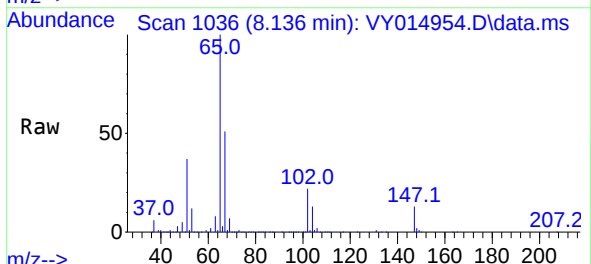


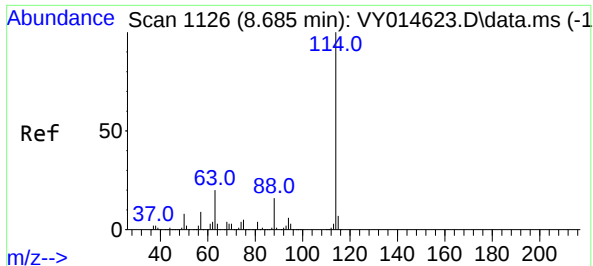
Tgt Ion: 56 Resp: 5167
Ion Ratio Lower Upper
56 100
69 131.5 27.8 41.6#
84 122.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.480 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Tgt Ion: 65 Resp: 156499
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8

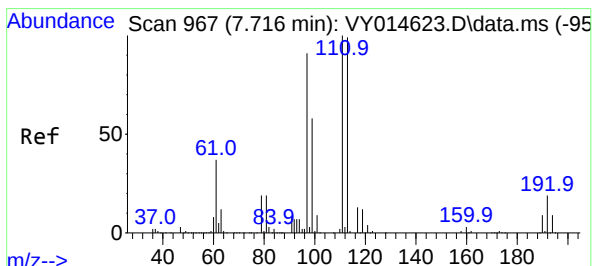
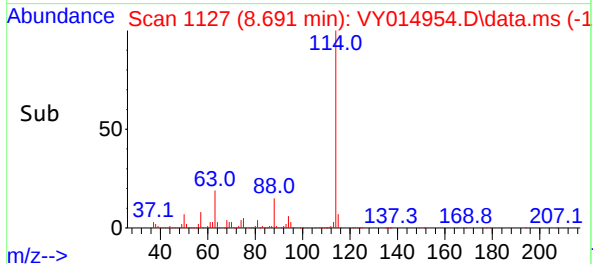
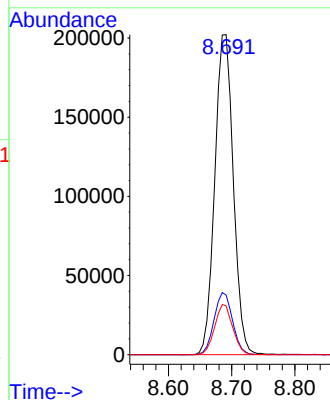
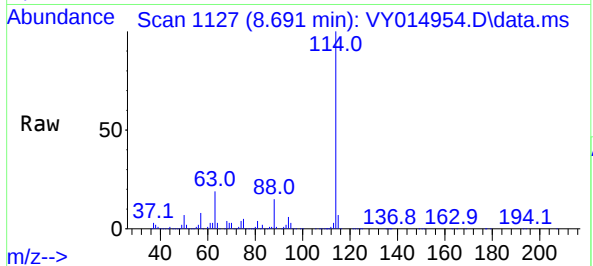




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

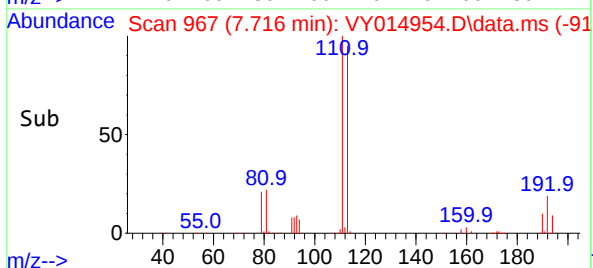
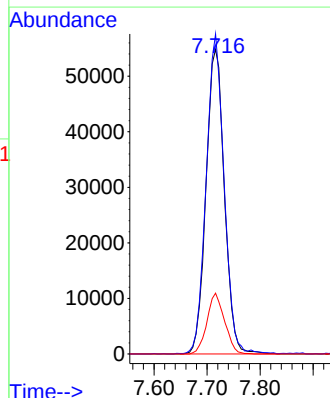
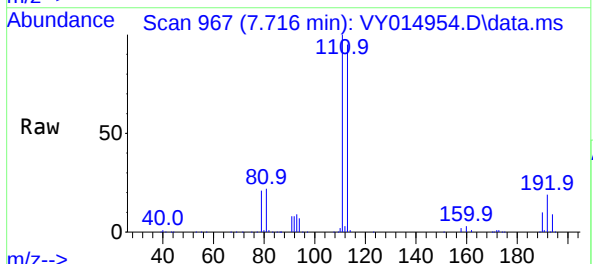
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MCLEAN-TP9

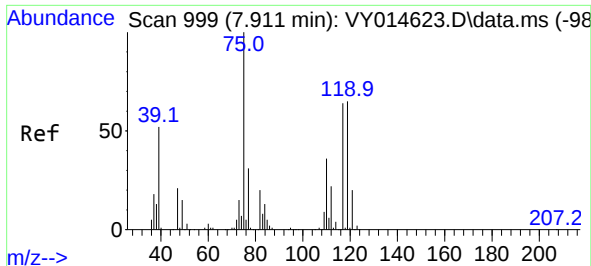
Tgt Ion:114 Resp: 410567
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.369 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Tgt Ion:113 Resp: 131642
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 19.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.737 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY014954.D

Acq: 03 Aug 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP9

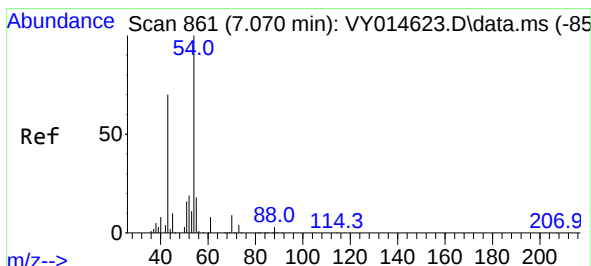
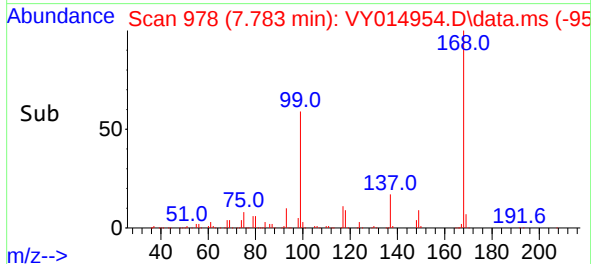
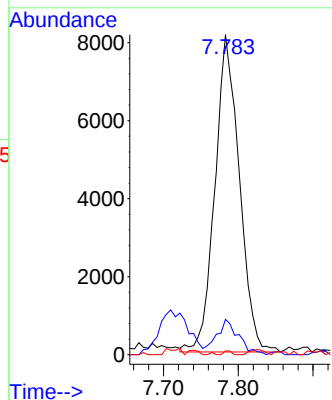
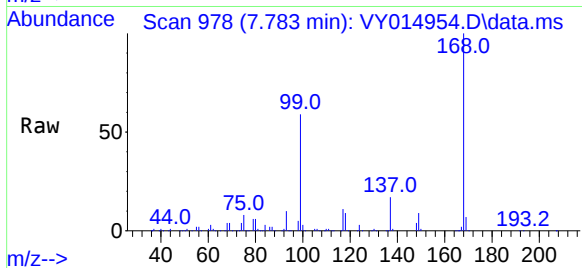
Tgt Ion: 75 Resp: 18514

Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.5#

77 0.4 24.4 36.6#



#37

Ethyl Acetate

Concen: 9.944 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.080 min

Lab File: VY014954.D

Acq: 03 Aug 2023 17:26

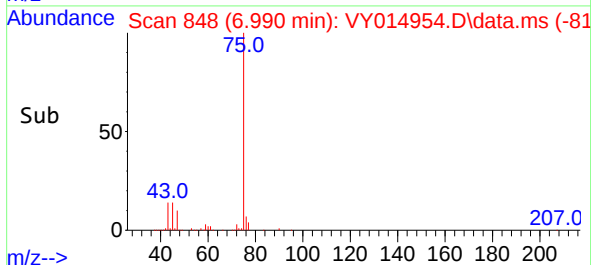
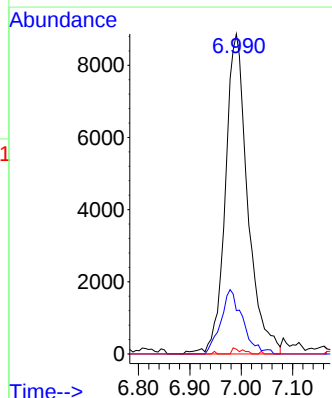
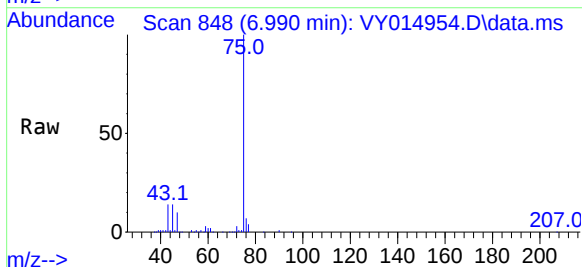
Tgt Ion: 43 Resp: 26759

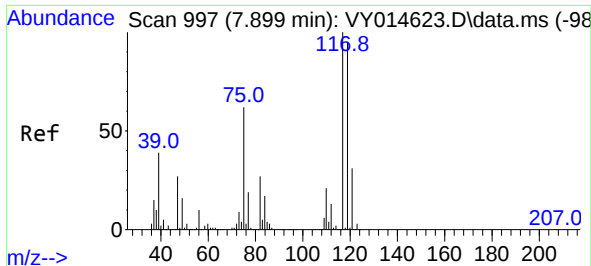
Ion Ratio Lower Upper

43 100

61 19.7 10.1 15.1#

70 0.8 7.1 10.7#

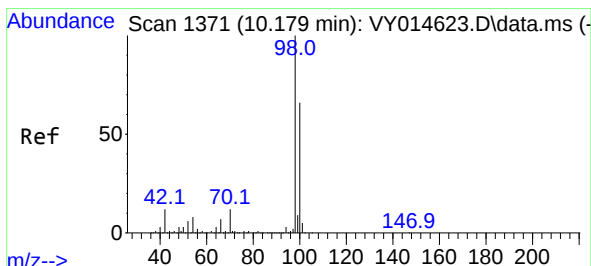
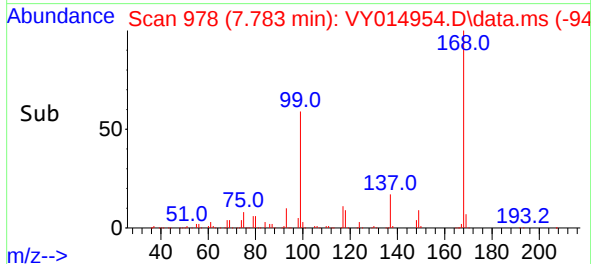
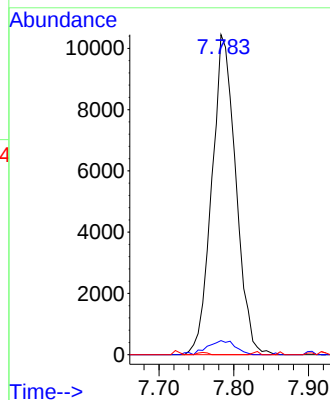
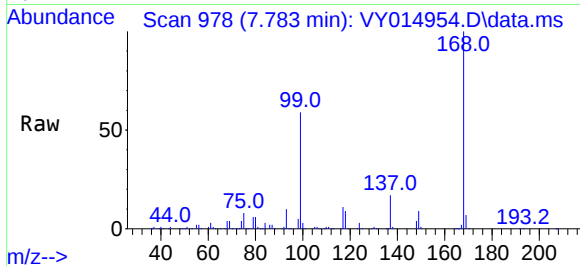




#38
Carbon Tetrachloride
Concen: 5.633 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

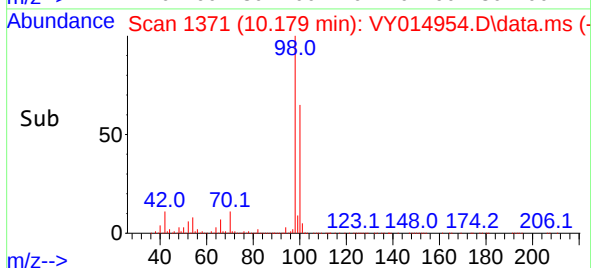
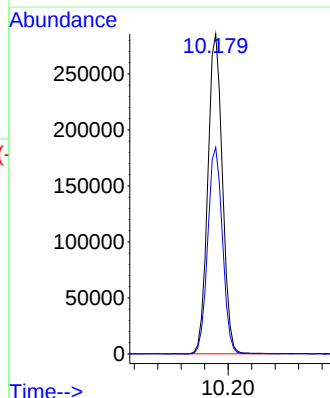
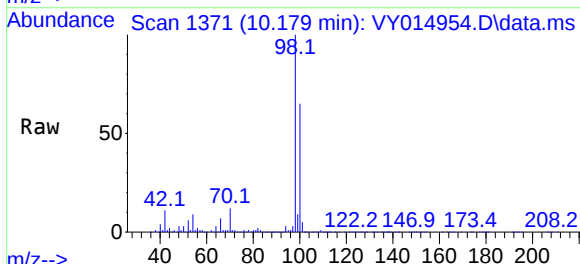
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

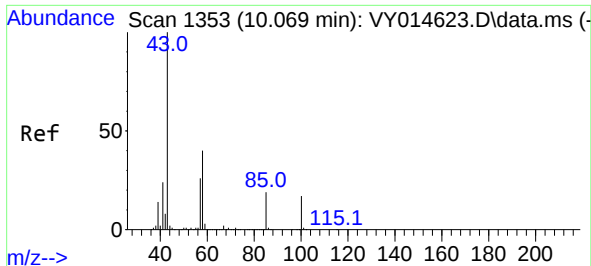
Tgt Ion:117 Resp: 23272
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.128 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Tgt Ion: 98 Resp: 492649
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

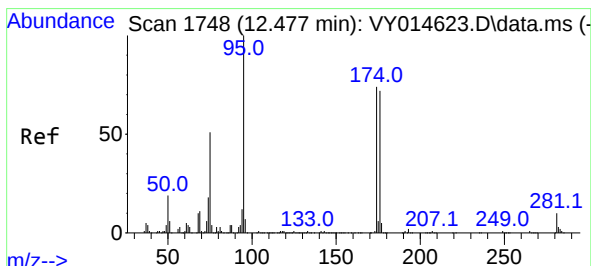
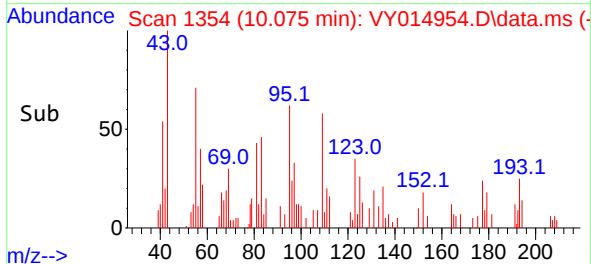
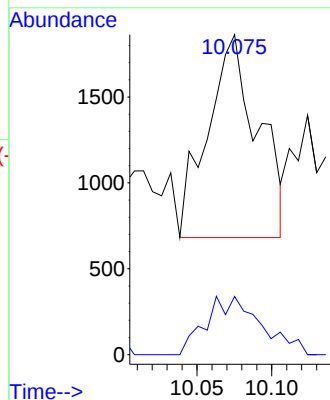
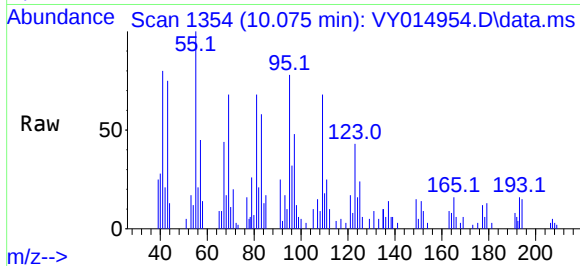




#51
4-Methyl-2-Pentanone
Concen: 1.023 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

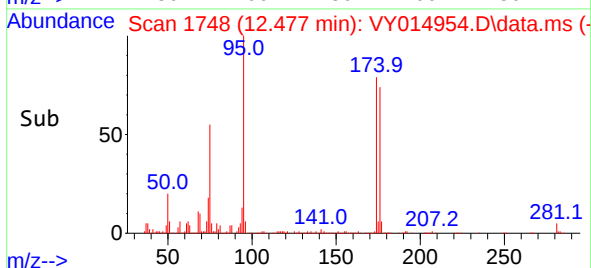
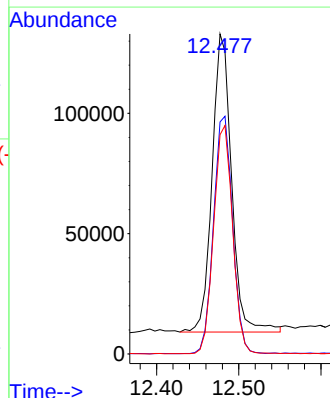
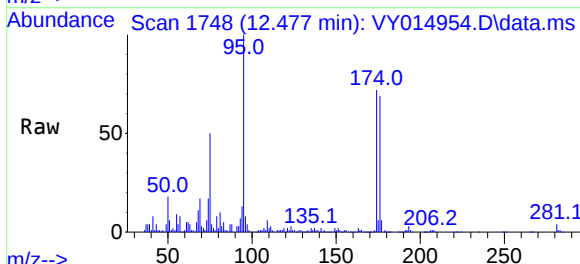
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

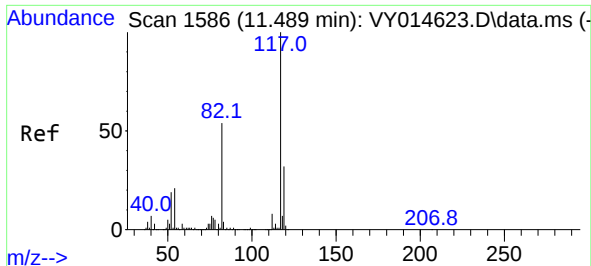
Tgt Ion: 43 Resp: 2754
Ion Ratio Lower Upper
43 100
58 31.4 29.0 43.6



#62
4-Bromofluorobenzene
Concen: 55.158 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Tgt Ion: 95 Resp: 203792
Ion Ratio Lower Upper
95 100
174 78.1 0.0 178.2
176 74.8 0.0 173.8

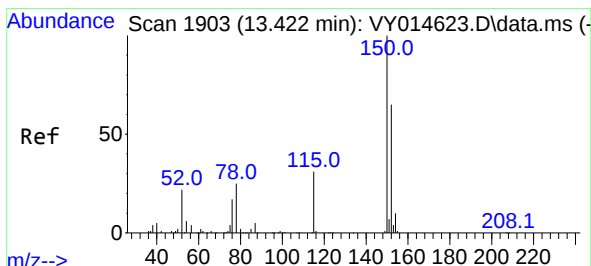
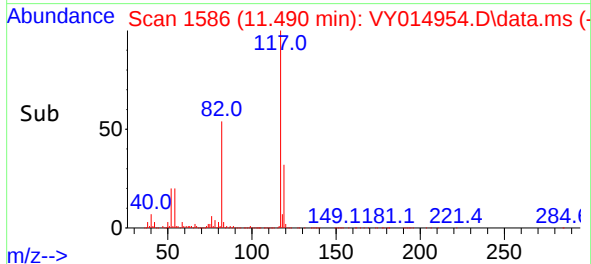
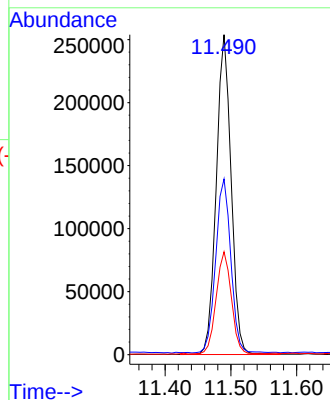
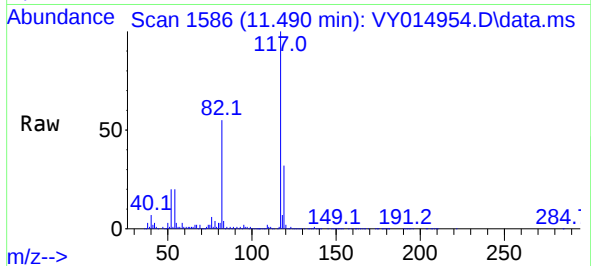




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

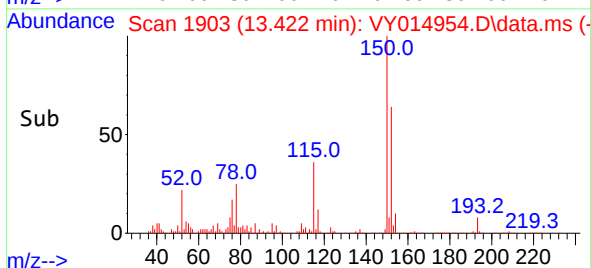
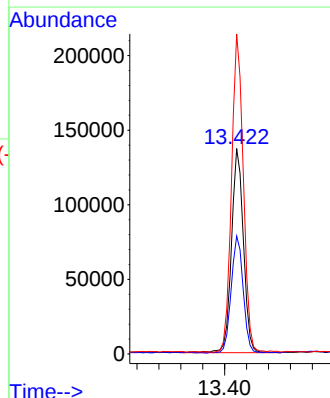
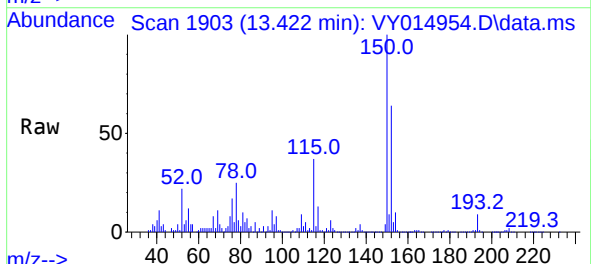
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

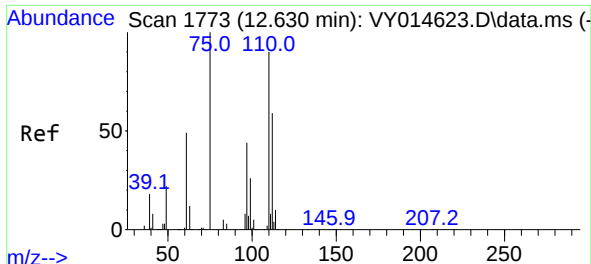
Tgt Ion:117 Resp: 397784
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Tgt Ion:152 Resp: 207874
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.5
150 152.7 0.0 348.8

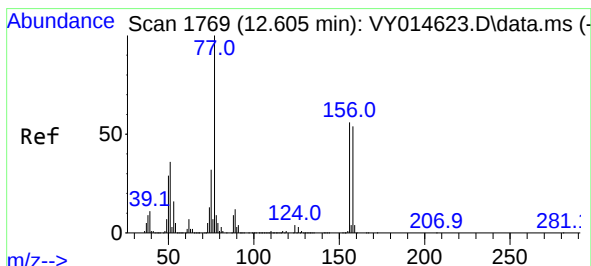
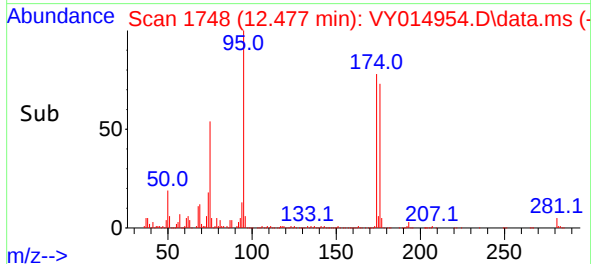
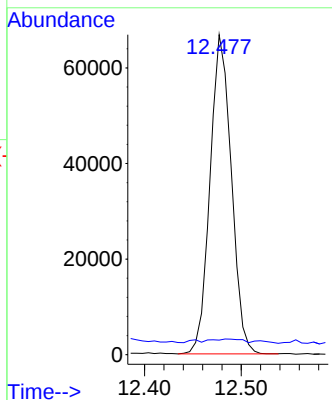
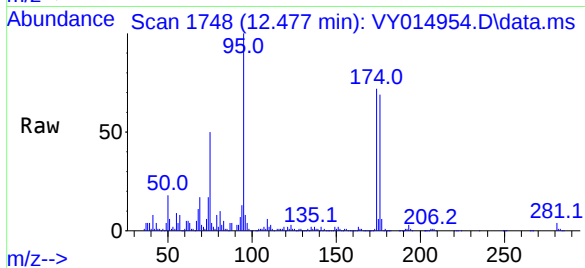




#76
1,2,3-Trichloropropane
Concen: 38.970 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

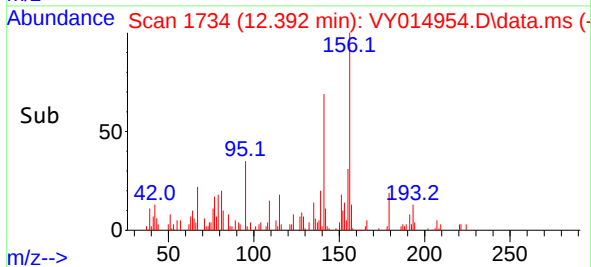
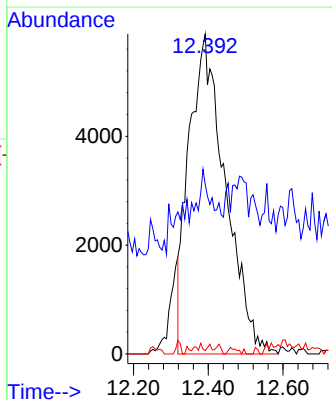
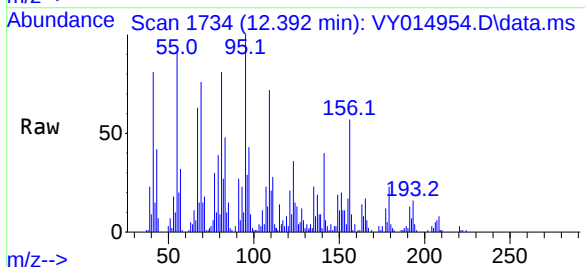
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9

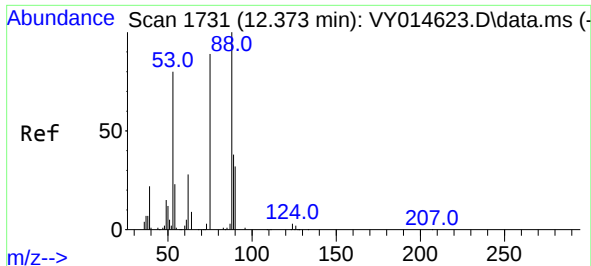
Tgt Ion: 75 Resp: 102312
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#77
Bromobenzene
Concen: 10.705 ug/l
RT: 12.392 min Scan# 1734
Delta R.T. -0.213 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

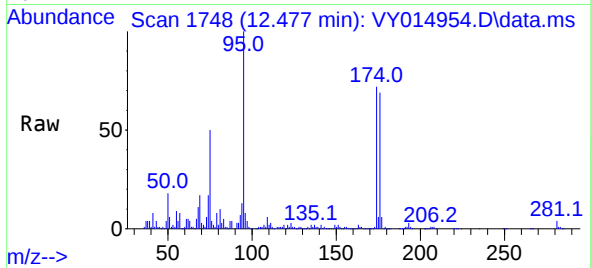
Tgt Ion:156 Resp: 39772
Ion Ratio Lower Upper
156 100
77 5.4 92.8 278.6#
158 0.4 48.4 145.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.453 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014954.D
Acq: 03 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP9



Tgt Ion: 75 Resp: 102312
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#

