

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014958.D
 Acq On : 03 Aug 2023 18:59
 Operator : SY/MD
 Sample : 03887-01
 Misc : 4.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP6

Quant Time: Aug 04 04:33:52 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)

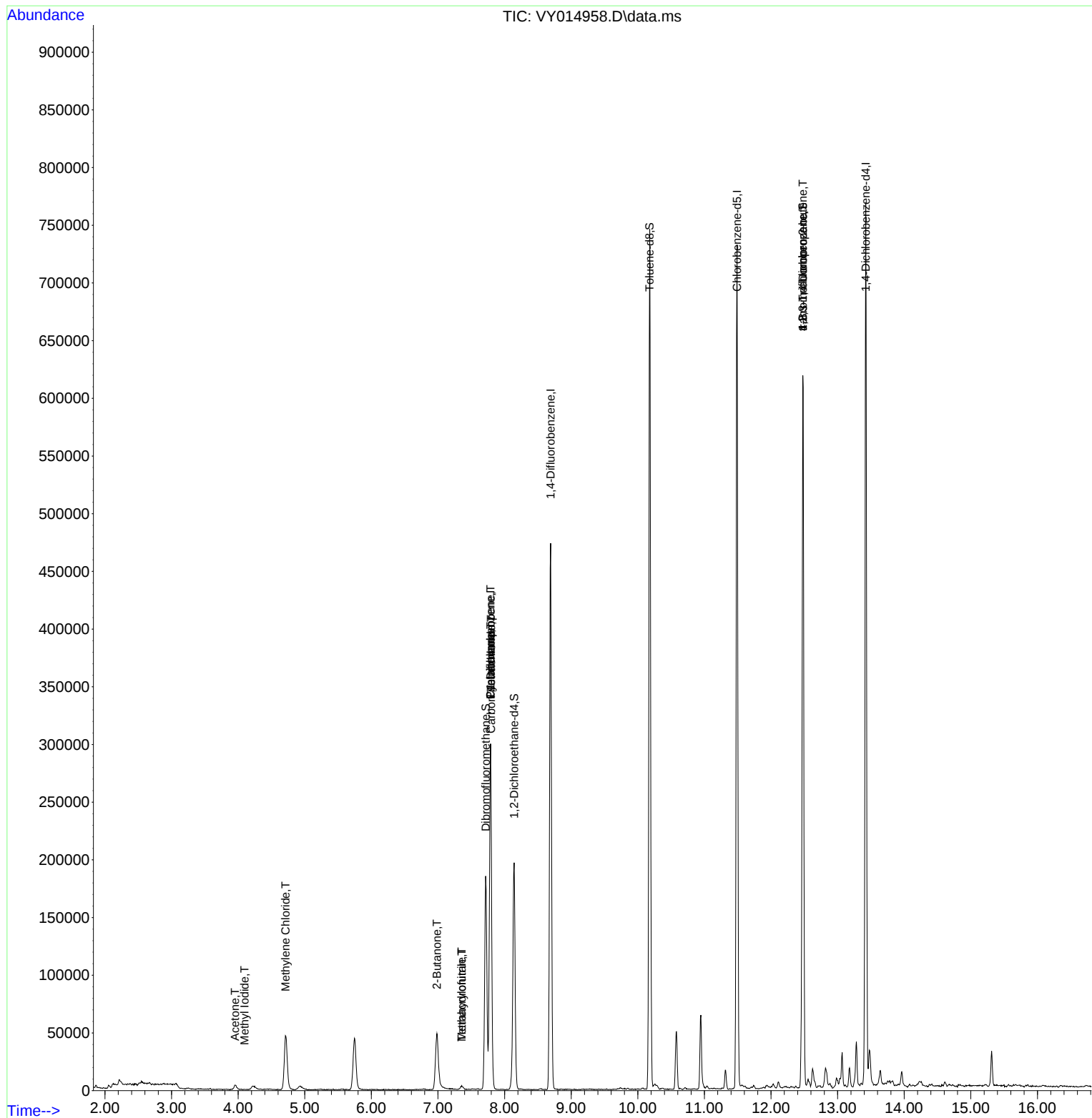
Internal Standards						
1) Pentafluorobenzene	7.789	168	230376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	408984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	392647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	192039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	150278	57.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.480%			
35) Dibromofluoromethane	7.716	113	129192	49.623	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.240%			
50) Toluene-d8	10.179	98	486225	50.656	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.320%			
62) 4-Bromofluorobenzene	12.477	95	183555	49.873	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.740%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	194	2.441	ug/l #	85
11) Tert butyl alcohol	4.930	59	2726	Below Cal	#	89
16) Acetone	3.954	43	7056	8.482	ug/l	92
20) Methylene Chloride	4.710	84	36551	10.160	ug/l	87
25) 2-Butanone	6.984	43	11317	9.299	ug/l	99
29) Tetrahydrofuran	7.356	42	2265	3.022	ug/l #	89
31) Cyclohexane	7.789	56	4986	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	18451	4.739	ug/l #	49
38) Carbon Tetrachloride	7.795	117	23121	5.618	ug/l #	15
41) Methacrylonitrile	7.356	41	1496	1.085	ug/l #	39
76) 1,2,3-Trichloropropane	12.477	75	98613	40.658	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	98613	78.722	ug/l #	11

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

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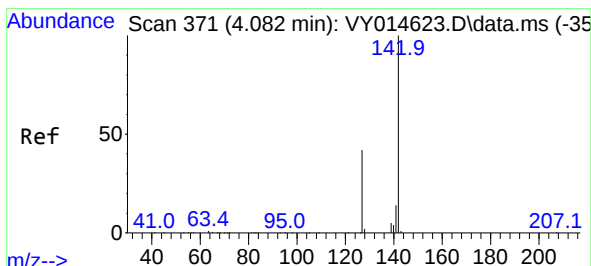
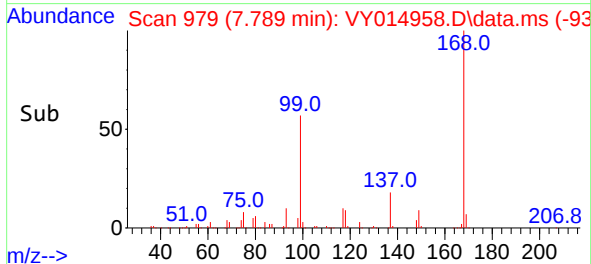
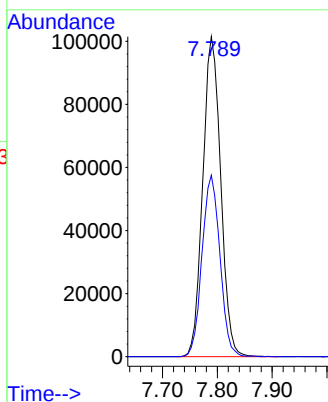
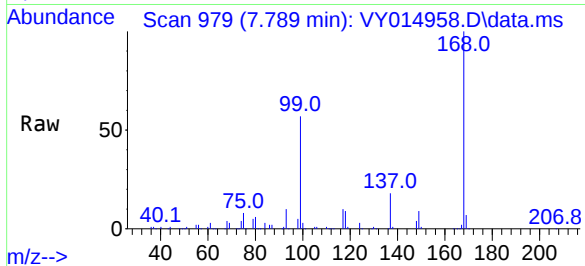




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

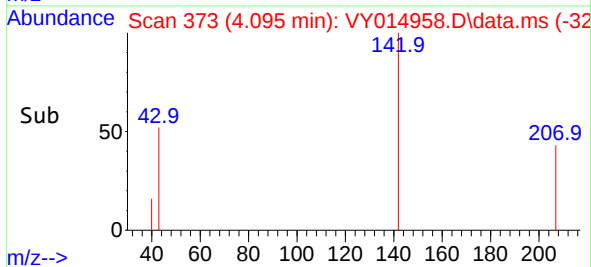
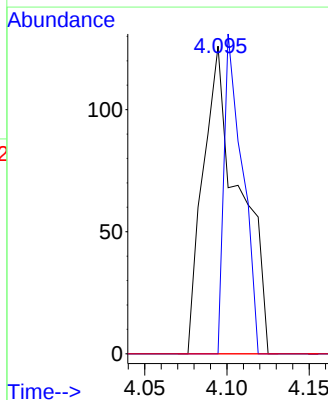
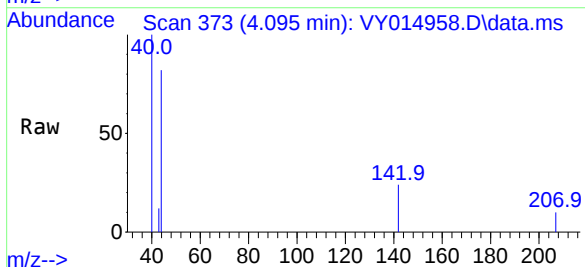
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP6

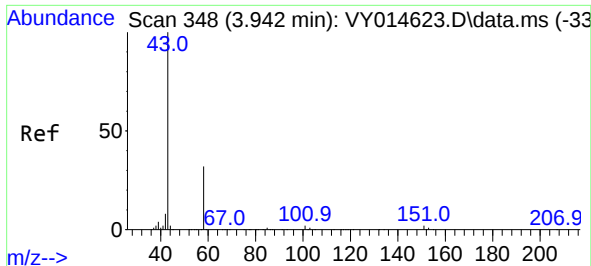
Tgt Ion:168 Resp: 230376
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.441 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

Tgt Ion:142 Resp: 194
Ion Ratio Lower Upper
142 100
127 52.6 37.6 56.4
141 0.0 11.8 17.8#

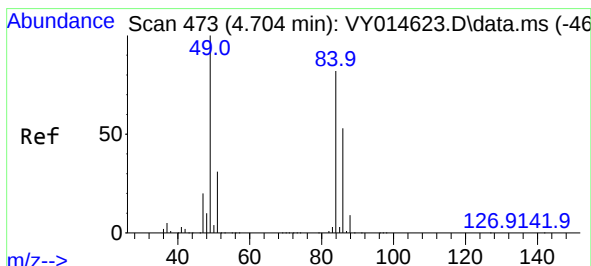
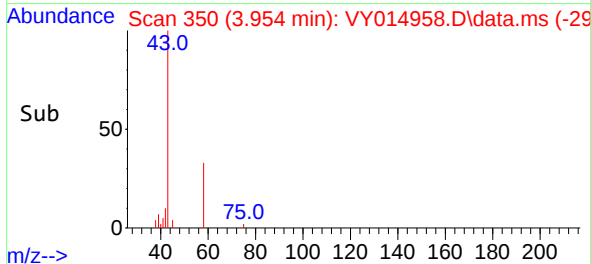
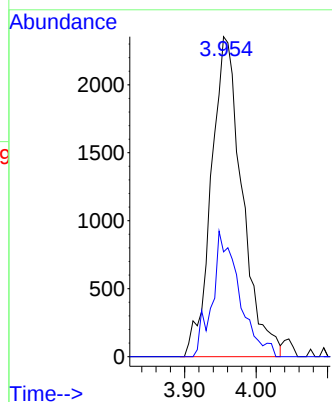
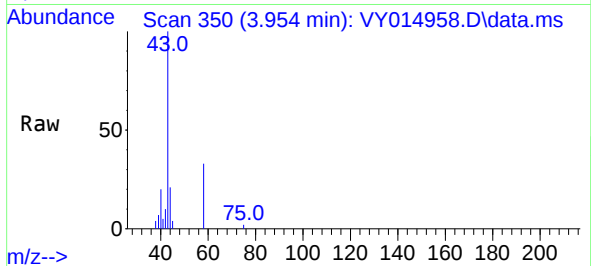




#16
Acetone
Concen: 8.482 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

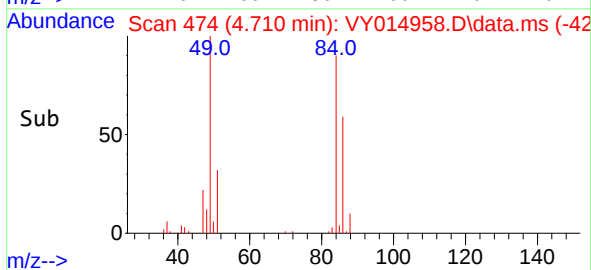
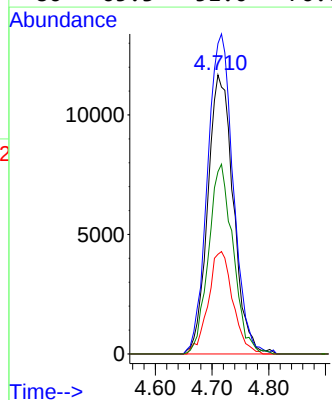
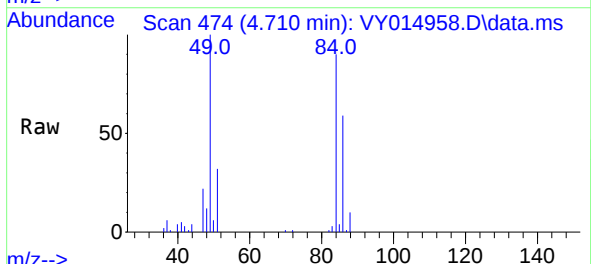
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP6

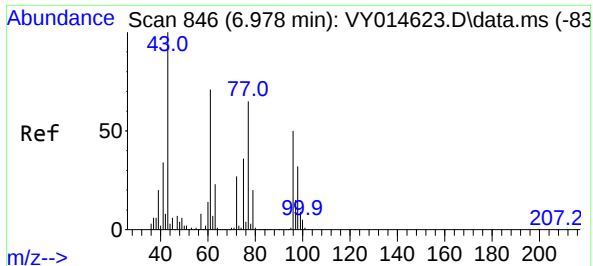
Tgt Ion: 43 Resp: 7056
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1



#20
Methylene Chloride
Concen: 10.160 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

Tgt Ion: 84 Resp: 36551
Ion Ratio Lower Upper
84 100
49 111.2 106.9 160.3
51 35.7 33.2 49.8
86 65.3 51.0 76.6





#25

2-Butanone

Concen: 9.299 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY014958.D

Acq: 03 Aug 2023 18:59

Instrument :

MSVOA_Y

ClientSampleId :

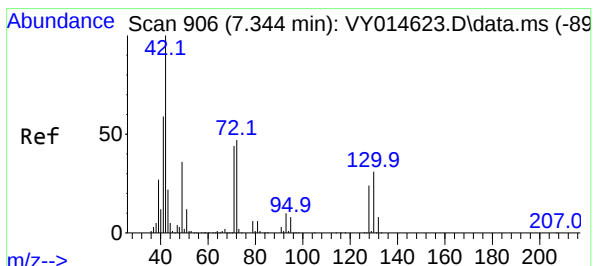
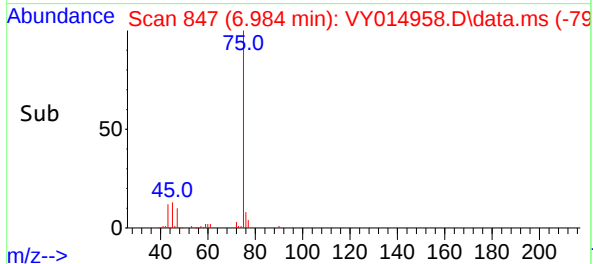
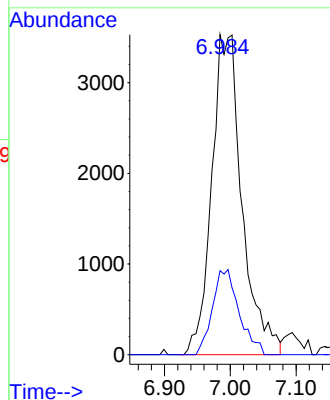
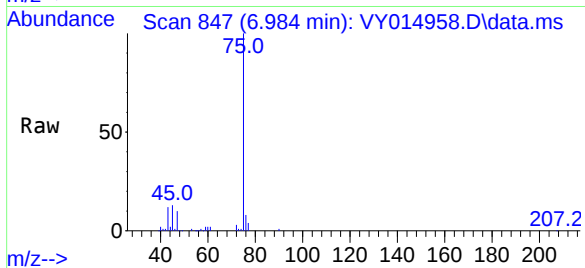
MCLEAN-TP6

Tgt Ion: 43 Resp: 11317

Ion Ratio Lower Upper

43 100

72 26.3 20.5 30.7



#29

Tetrahydrofuran

Concen: 3.022 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY014958.D

Acq: 03 Aug 2023 18:59

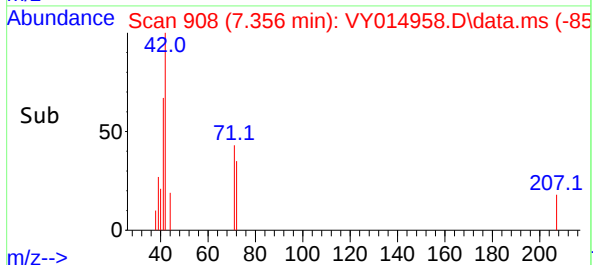
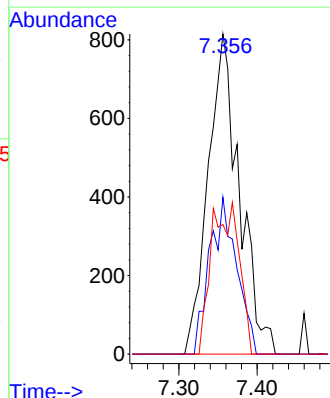
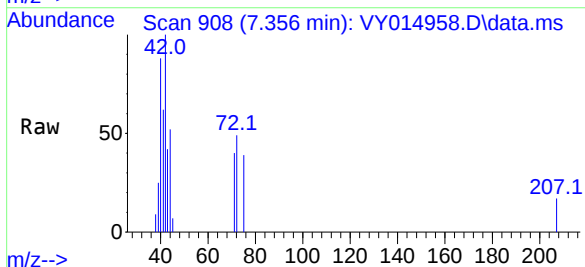
Tgt Ion: 42 Resp: 2265

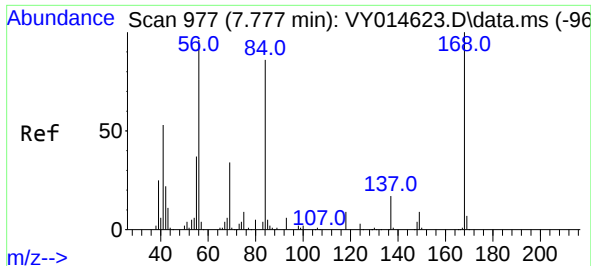
Ion Ratio Lower Upper

42 100

72 42.2 32.8 49.2

71 26.2 31.0 46.4#

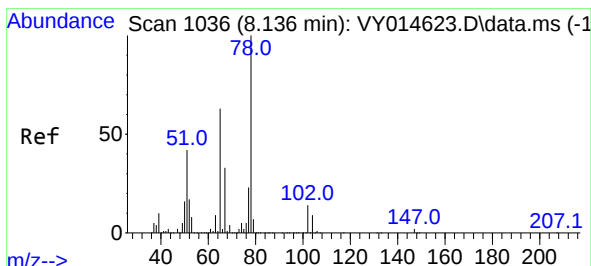
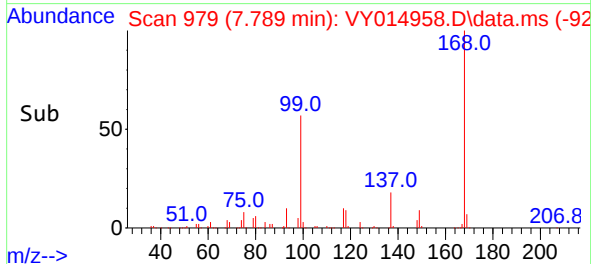
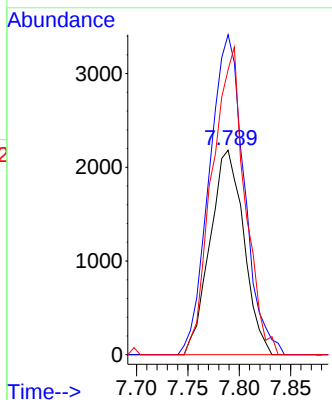
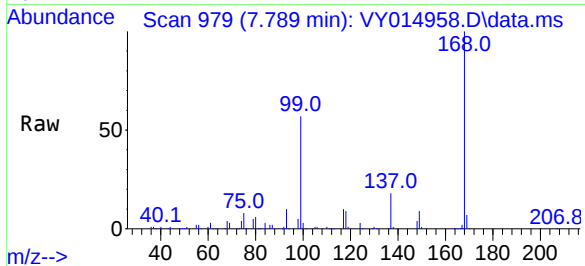




#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

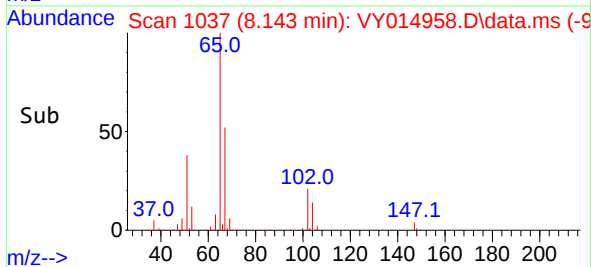
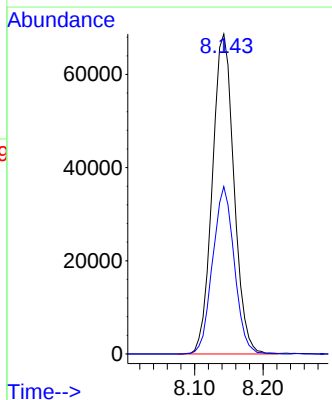
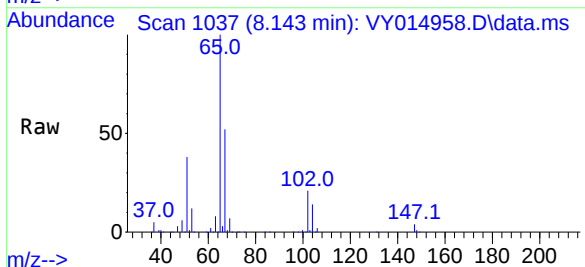
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP6

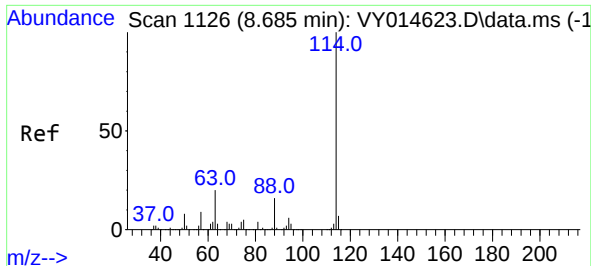
Tgt Ion: 56 Resp: 4986
Ion Ratio Lower Upper
56 100
69 156.4 27.8 41.6#
84 139.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.244 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

Tgt Ion: 65 Resp: 150278
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014958.D

Acq: 03 Aug 2023 18:59

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP6

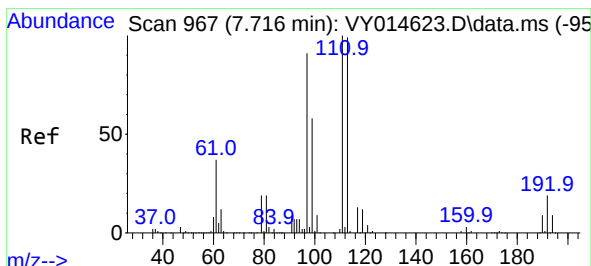
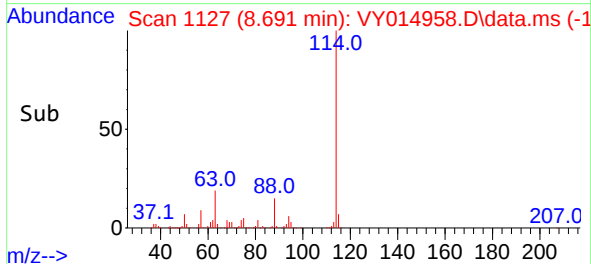
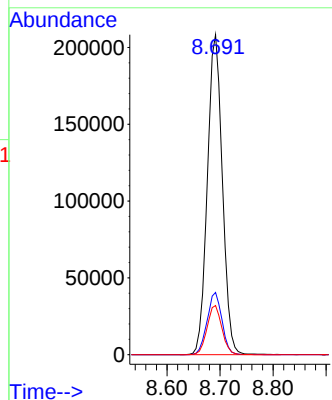
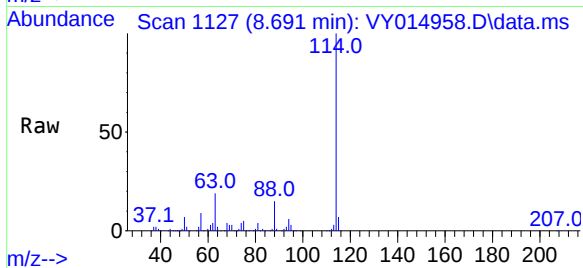
Tgt Ion:114 Resp: 408984

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.623 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014958.D

Acq: 03 Aug 2023 18:59

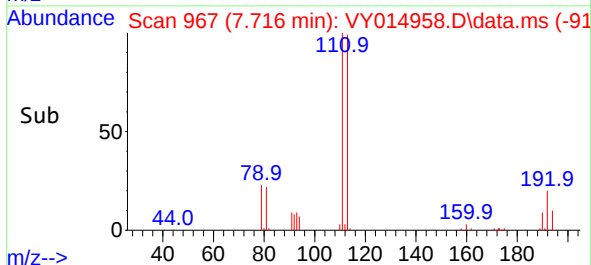
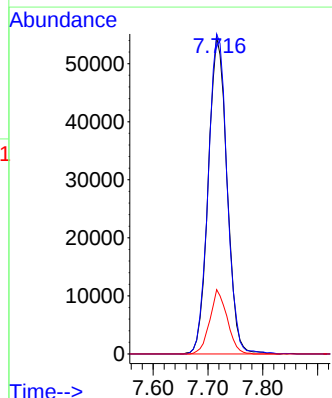
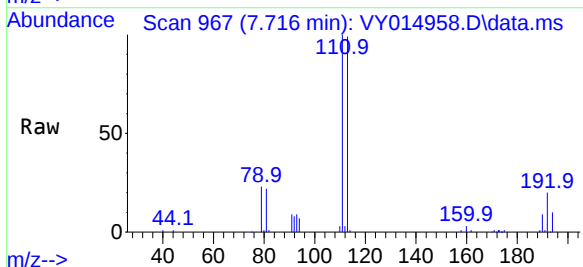
Tgt Ion:113 Resp: 129192

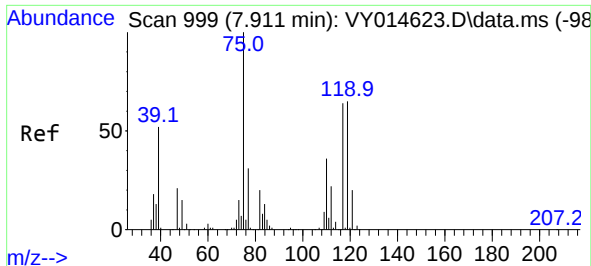
Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

192 18.9 16.9 25.3

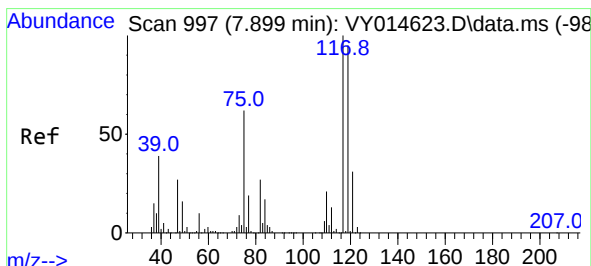
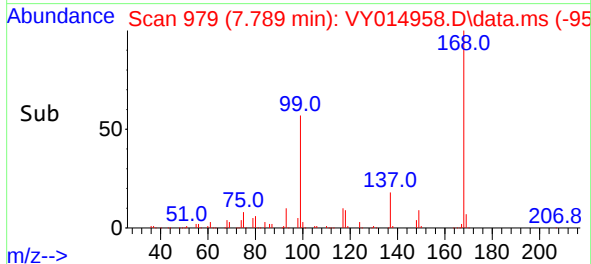
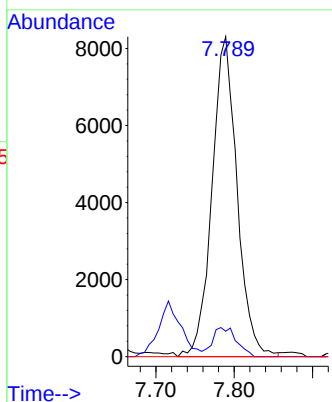
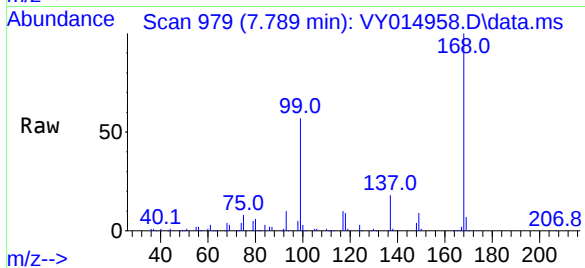




#36
1,1-Dichloropropene
Concen: 4.739 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

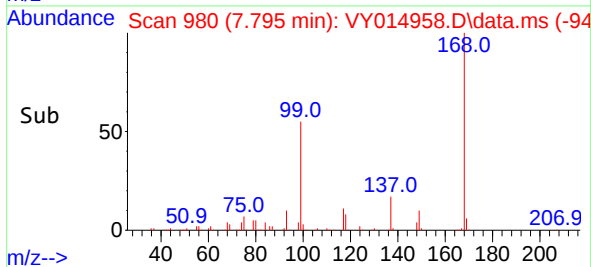
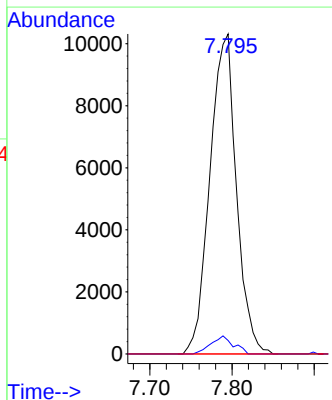
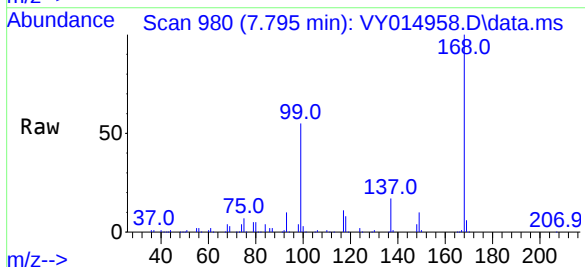
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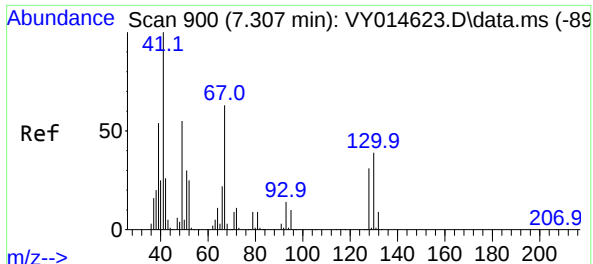
Tgt Ion:	75	Resp:	18451
Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.8	53.5#
77	0.0	24.4	36.6#



#38
Carbon Tetrachloride
Concen: 5.618 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

Tgt Ion:	117	Resp:	23121
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.4	114.6#
121	0.0	25.8	38.6#

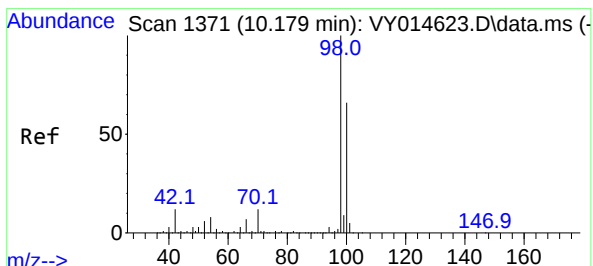
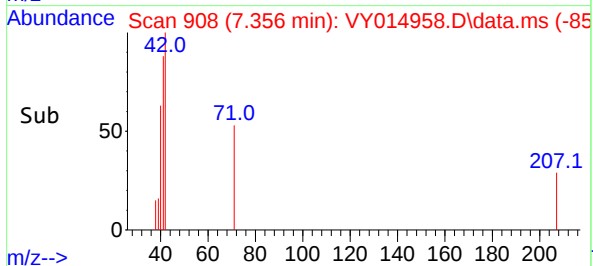
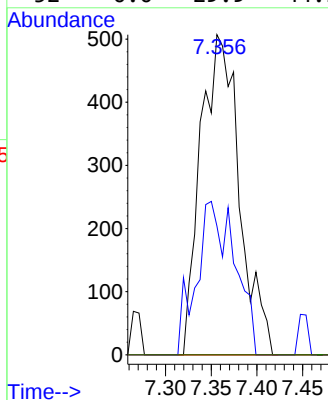
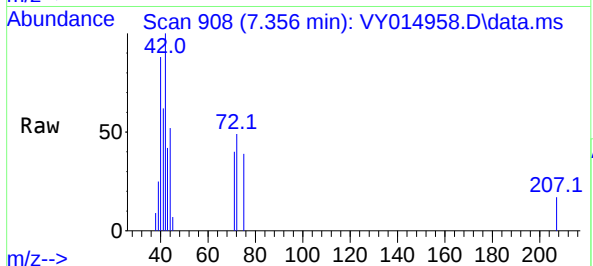




#41
Methacrylonitrile
Concen: 1.085 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.049 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

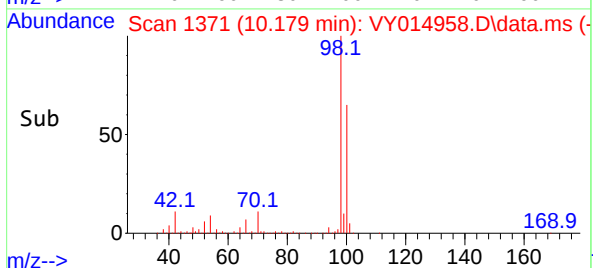
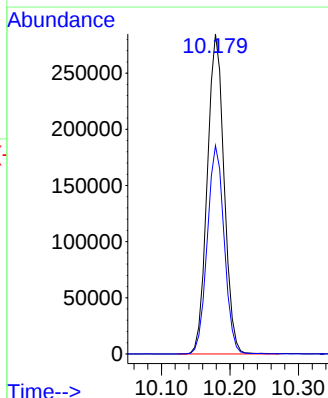
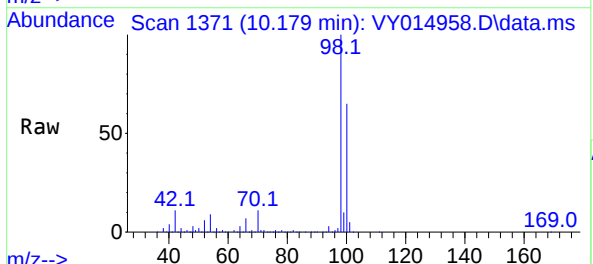
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP6

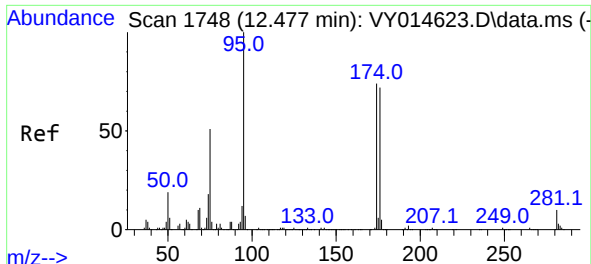
Tgt Ion:	41	Resp:	1496
Ion	Ratio	Lower	Upper
41	100		
39	47.7	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 50.656 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

Tgt Ion:	98	Resp:	486225
Ion	Ratio	Lower	Upper
98	100		
100	65.5	50.1	75.1

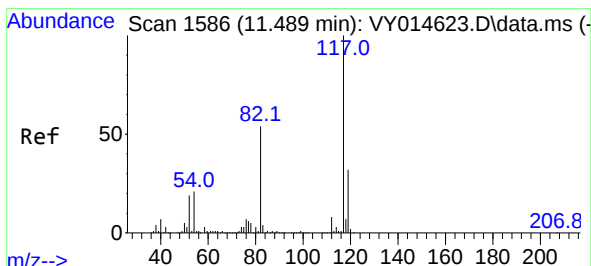
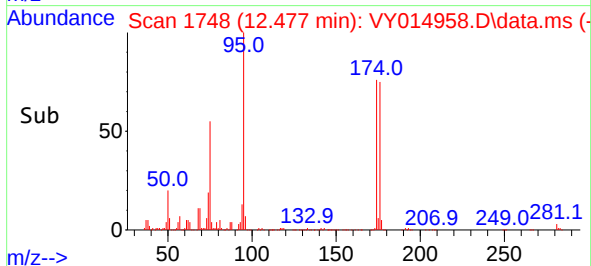
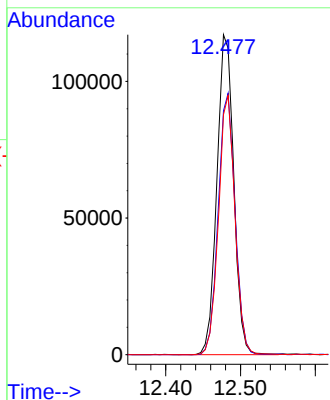
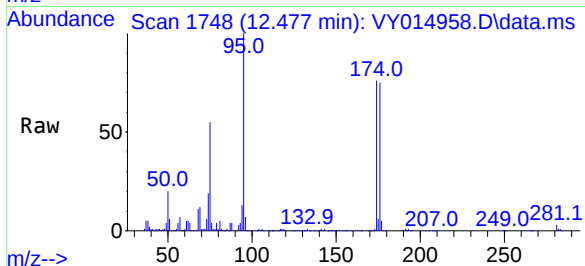




#62
4-Bromofluorobenzene
Concen: 49.873 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

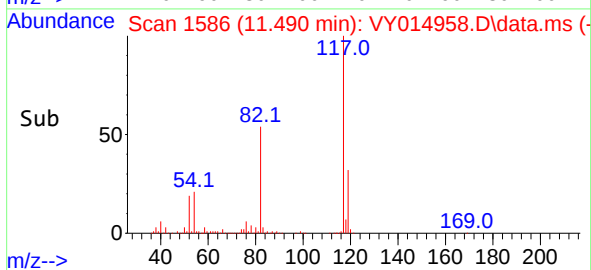
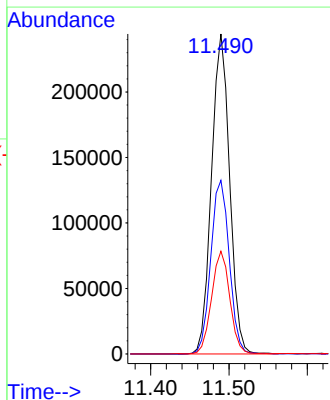
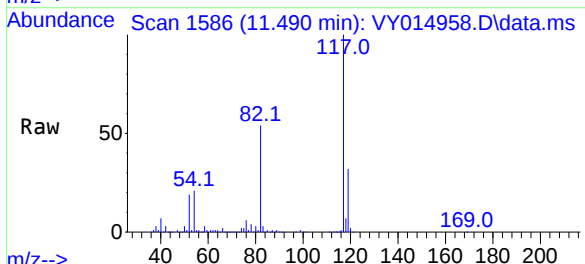
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP6

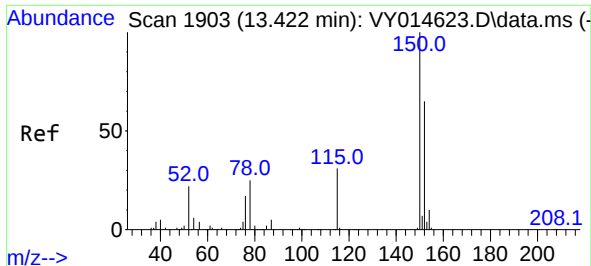
Tgt Ion: 95 Resp: 183555
Ion Ratio Lower Upper
95 100
174 81.6 0.0 178.2
176 79.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

Tgt Ion: 117 Resp: 392647
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.0 26.3 39.5

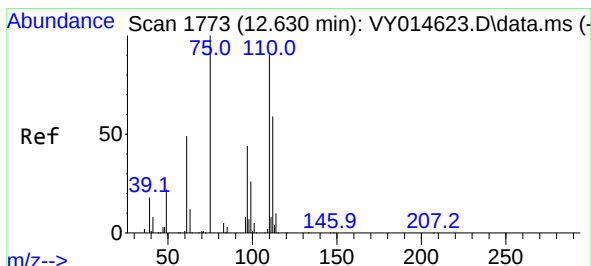
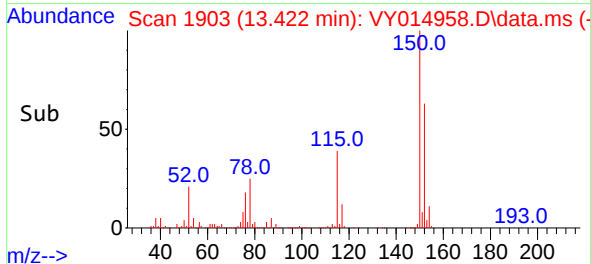
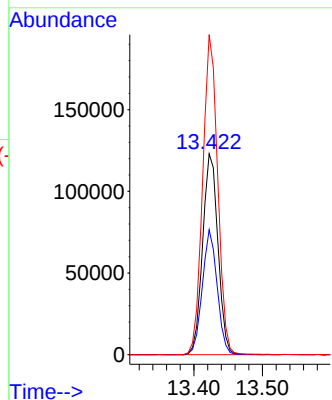
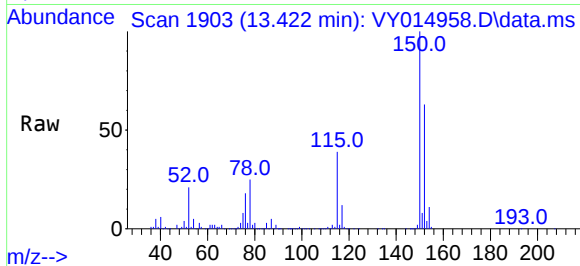




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

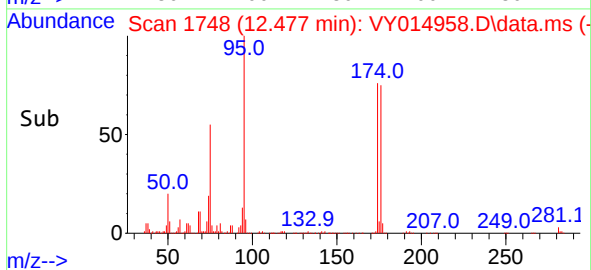
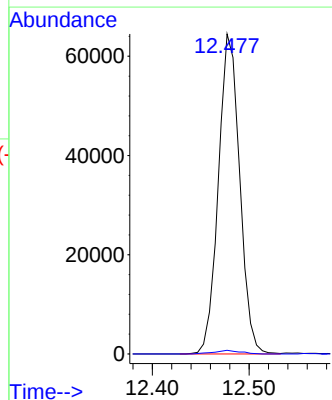
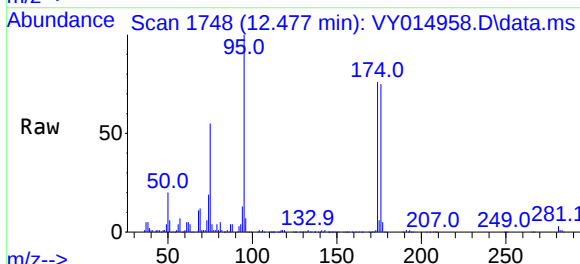
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP6

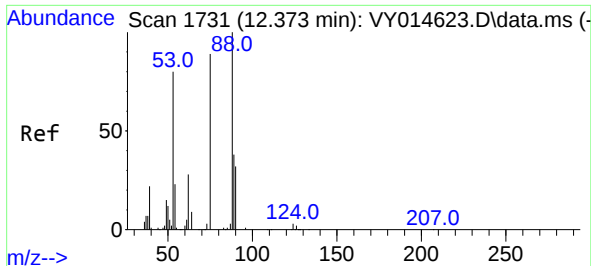
Tgt Ion:152 Resp: 192039
Ion Ratio Lower Upper
152 100
115 60.0 28.8 86.5
150 156.0 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 40.658 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

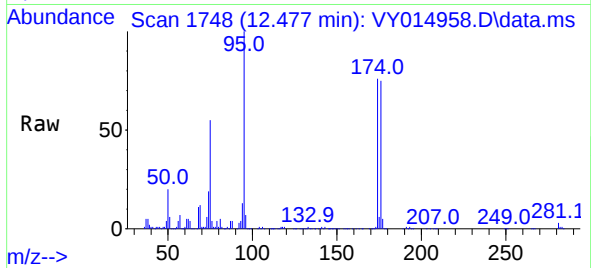
Tgt Ion: 75 Resp: 98613
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.722 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014958.D
Acq: 03 Aug 2023 18:59

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP6



Tgt Ion: 75 Resp: 98613
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

