

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014956.D
 Acq On : 03 Aug 2023 18:13
 Operator : SY/MD
 Sample : 03887-07
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP4

Quant Time: Aug 04 04:33:33 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)

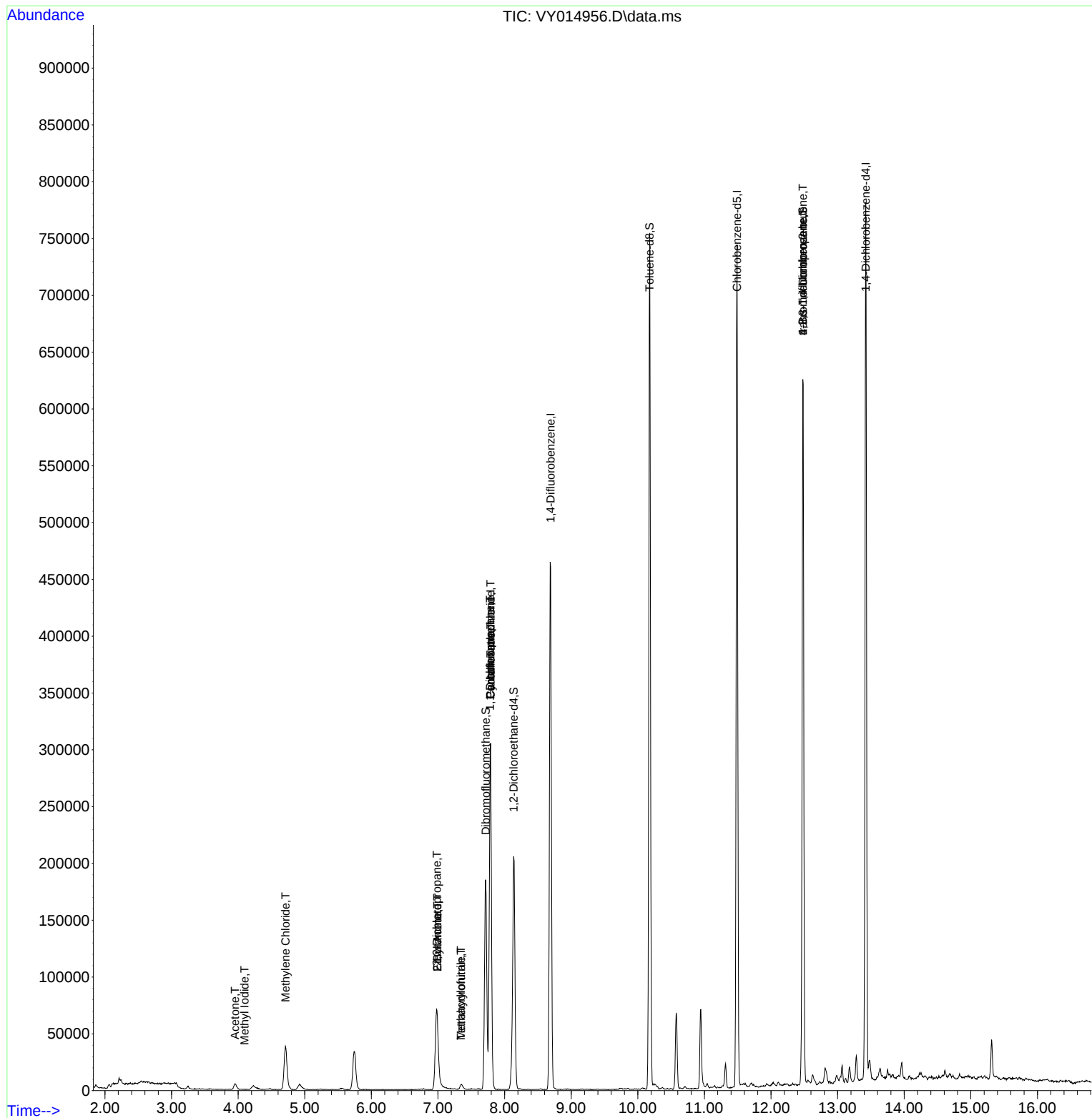
Internal Standards						
1) Pentafluorobenzene	7.789	168	231805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	412279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	397771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	195888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151681	57.422	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 114.840%		
35) Dibromofluoromethane	7.716	113	131474	50.095	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 100.200%		
50) Toluene-d8	10.179	98	490733	50.717	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.440%		
62) 4-Bromofluorobenzene	12.477	95	189884	51.180	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 102.360%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	175	2.434	ug/l #	55
11) Tert butyl alcohol	4.917	59	5662	Below Cal	#	89
16) Acetone	3.954	43	9529	11.384	ug/l #	76
20) Methylene Chloride	4.710	84	29109	7.080	ug/l	93
25) 2-Butanone	6.990	43	13305	10.865	ug/l	96
26) 2,2-Dichloropropane	6.984	77	5179	1.153	ug/l #	54
29) Tetrahydrofuran	7.344	42	3664	4.859	ug/l #	90
31) Cyclohexane	7.789	56	5167	1.178	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	18672	4.757	ug/l #	49
37) Ethyl Acetate	6.990	43	13305	4.924	ug/l #	72
38) Carbon Tetrachloride	7.789	117	23817	5.741	ug/l #	15
41) Methacrylonitrile	7.344	41	2412	1.735	ug/l #	38
76) 1,2,3-Trichloropropane	12.477	75	100774	40.733	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	100774	78.866	ug/l #	11

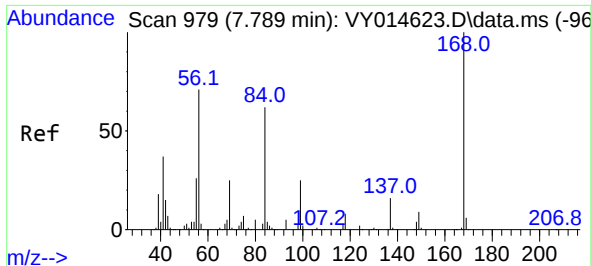
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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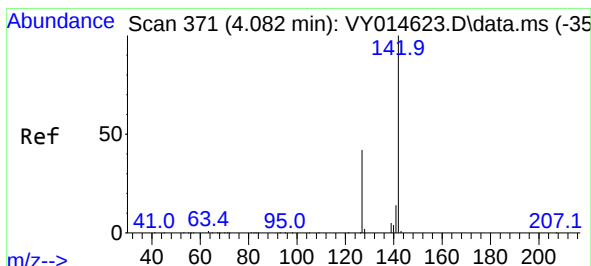
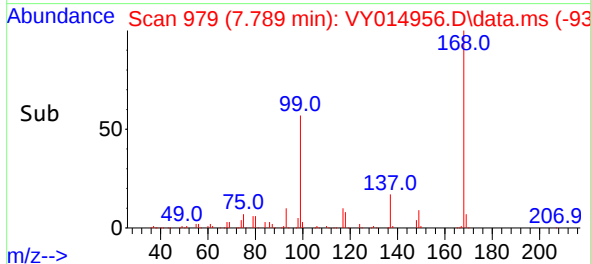
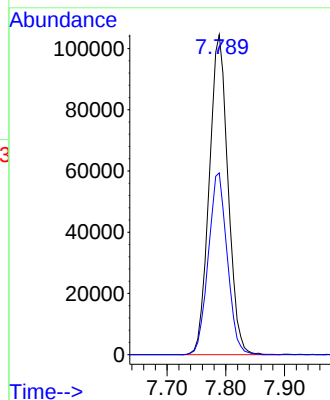
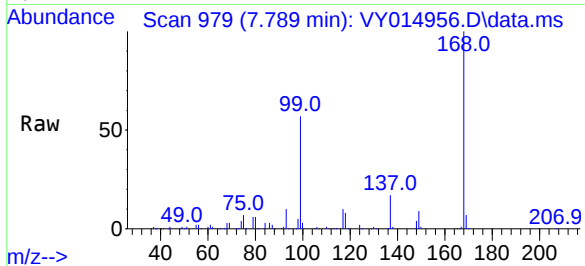




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

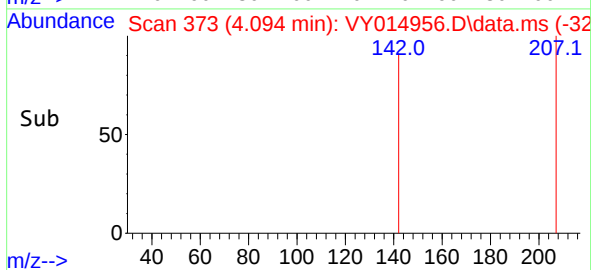
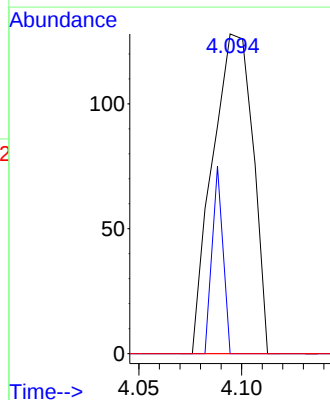
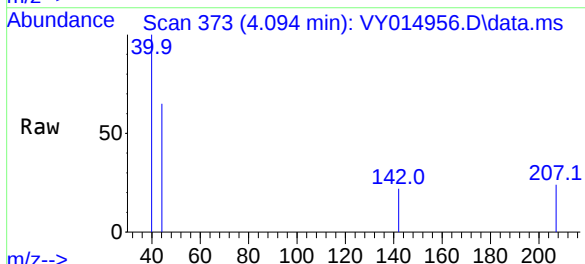
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

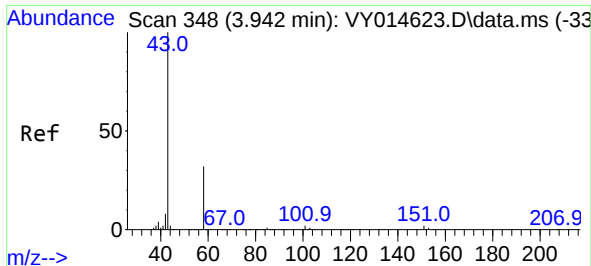
Tgt Ion:168 Resp: 231805
Ion Ratio Lower Upper
168 100
99 56.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.434 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Tgt Ion:142 Resp: 175
Ion Ratio Lower Upper
142 100
127 15.4 37.6 56.4#
141 0.0 11.8 17.8#

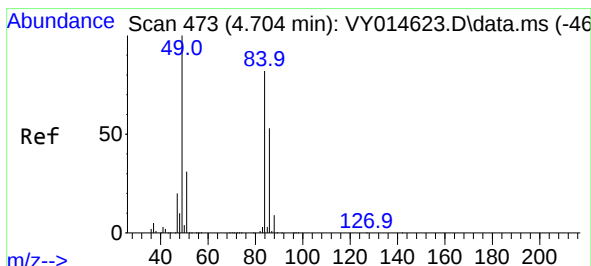
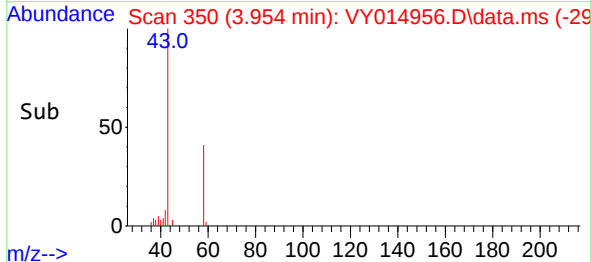
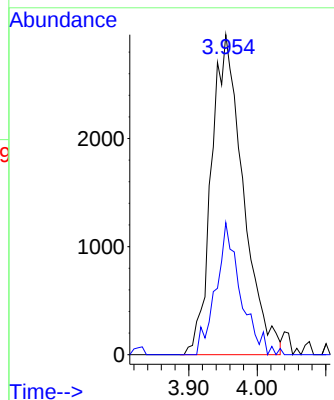
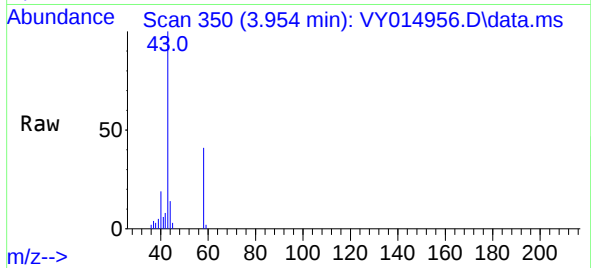




#16
Acetone
Concen: 11.384 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

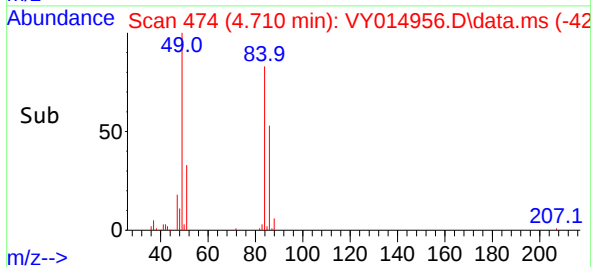
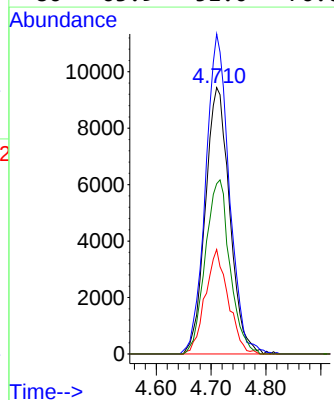
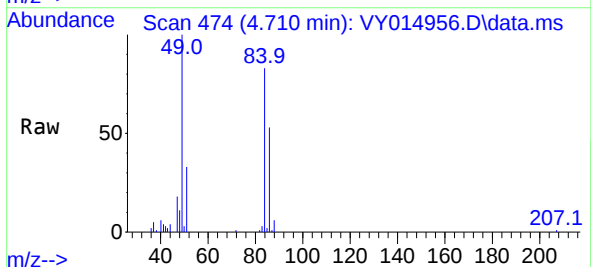
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

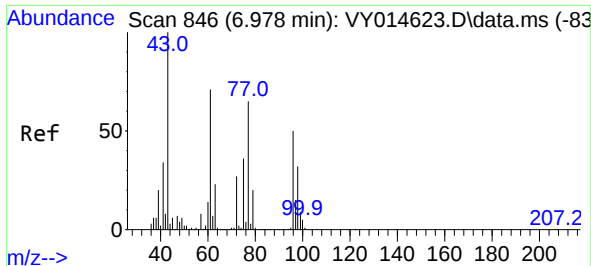
Tgt Ion: 43 Resp: 9529
Ion Ratio Lower Upper
43 100
58 41.3 22.7 34.1#



#20
Methylene Chloride
Concen: 7.080 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Tgt Ion: 84 Resp: 29109
Ion Ratio Lower Upper
84 100
49 120.2 106.9 160.3
51 39.2 33.2 49.8
86 63.9 51.0 76.6

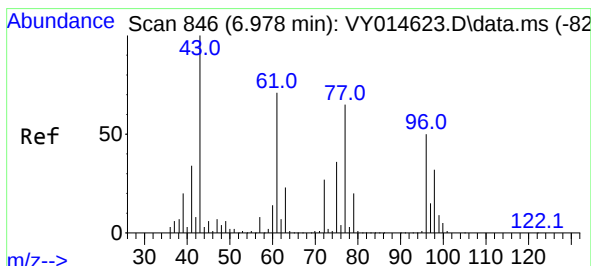
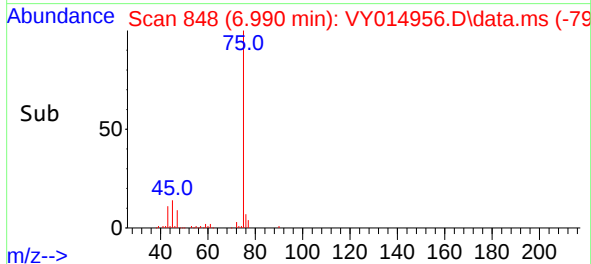
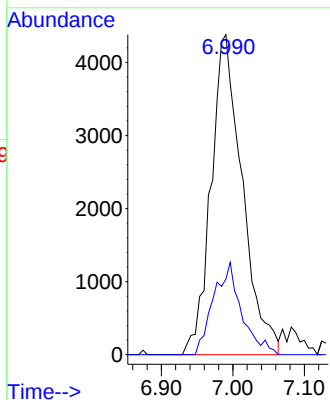
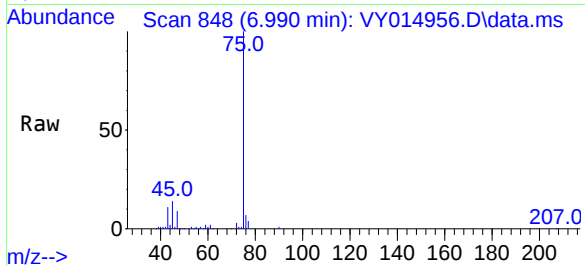




#25
2-Butanone
Concen: 10.865 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

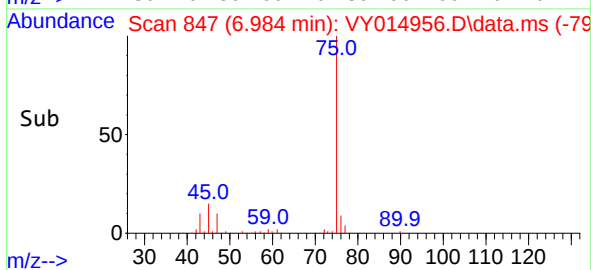
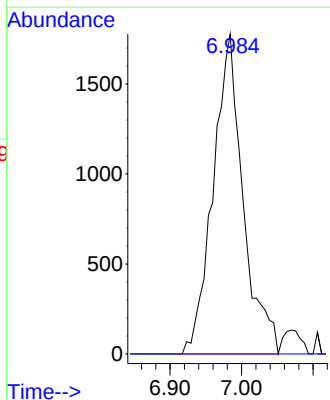
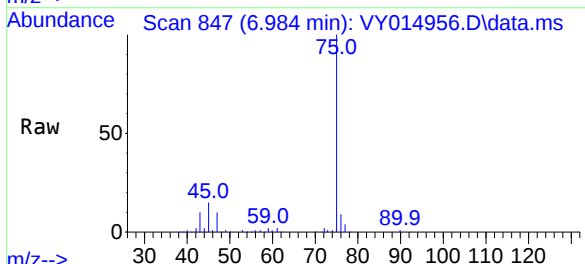
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

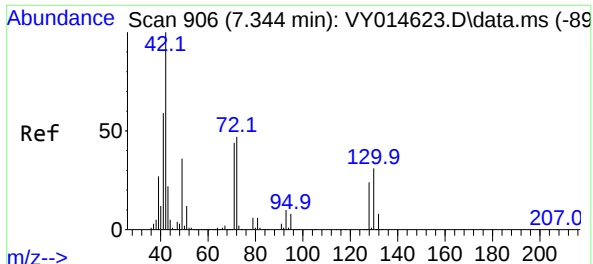
Tgt Ion: 43 Resp: 13305
Ion Ratio Lower Upper
43 100
72 23.6 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.153 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

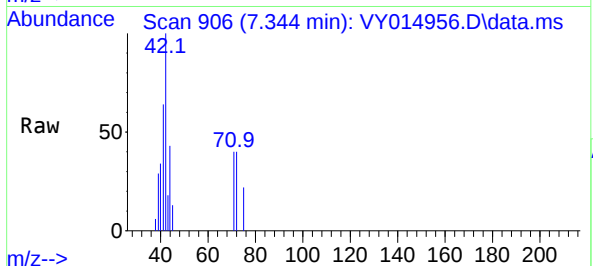
Tgt Ion: 77 Resp: 5179
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



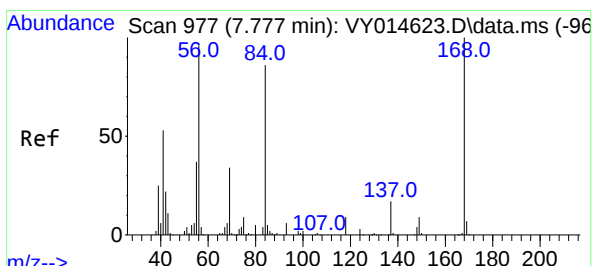
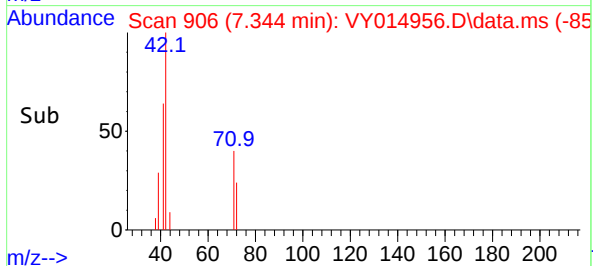
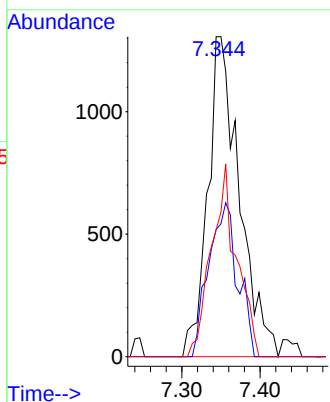


#29
Tetrahydrofuran
Concen: 4.859 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

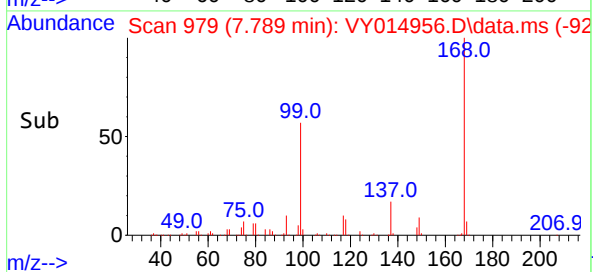
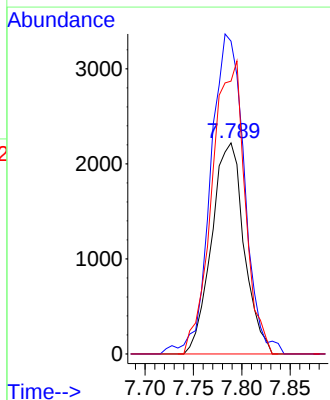
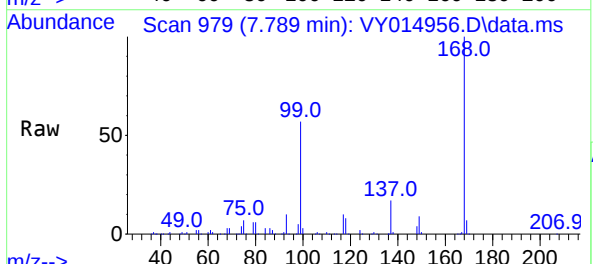


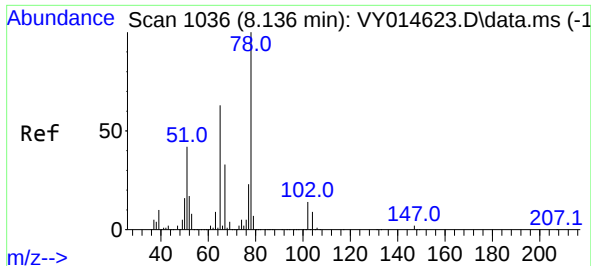
Tgt Ion:	42	Resp:	3664
Ion	Ratio	Lower	Upper
42	100		
72	43.9	32.8	49.2
71	48.1	31.0	46.4



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Tgt Ion:	56	Resp:	5167
Ion	Ratio	Lower	Upper
56	100		
69	145.5	27.8	41.6
84	129.3	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 57.422 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014956.D

Acq: 03 Aug 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

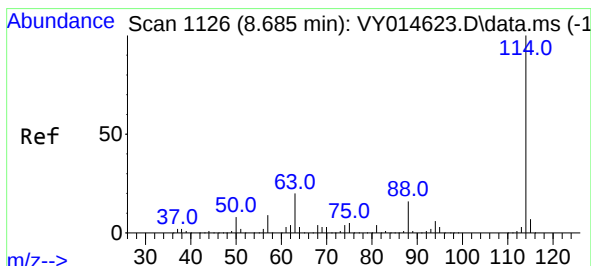
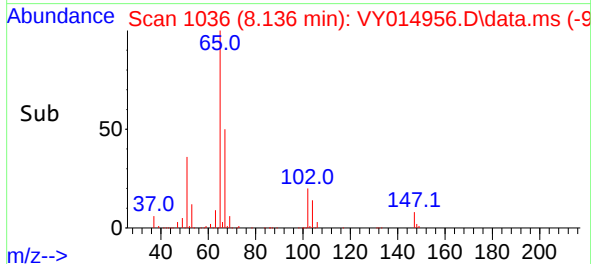
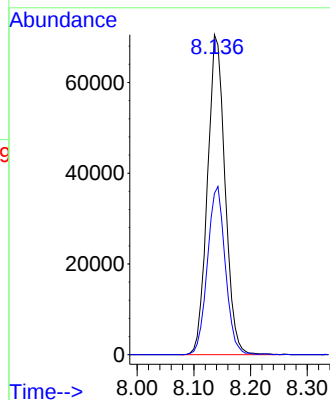
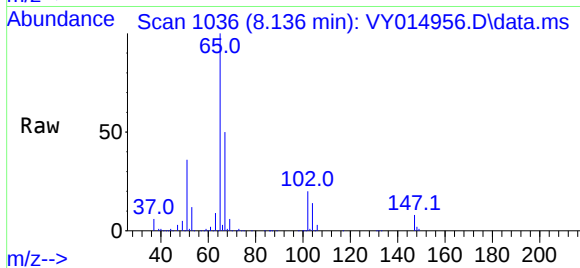
MCLEAN-TP4

Tgt Ion: 65 Resp: 151681

Ion Ratio Lower Upper

65 100

67 53.5 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: VY014956.D

Acq: 03 Aug 2023 18:13

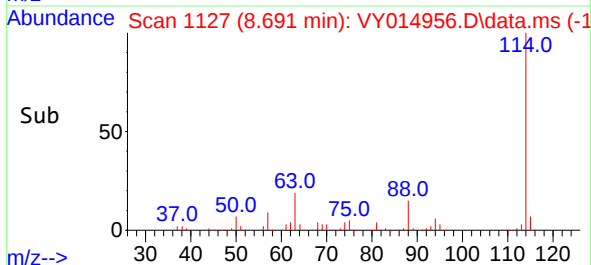
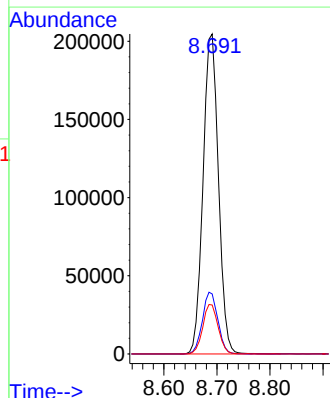
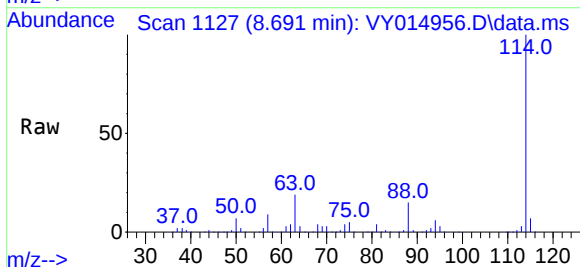
Tgt Ion: 114 Resp: 412279

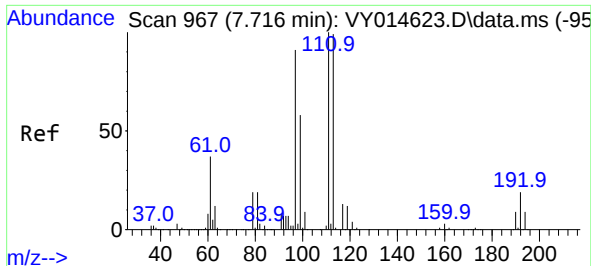
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.3 0.0 30.6

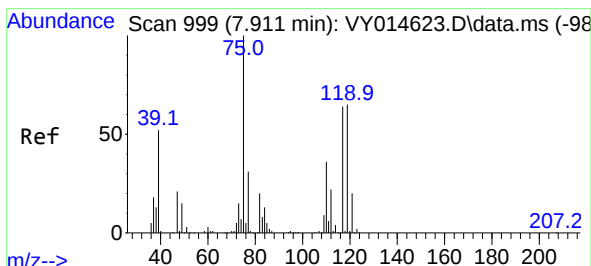
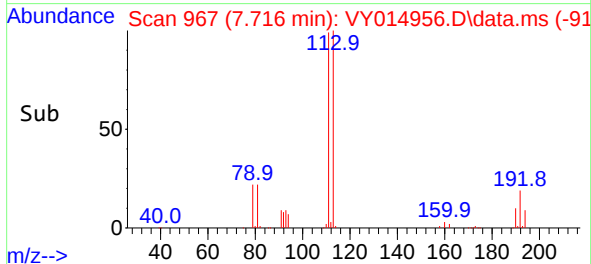
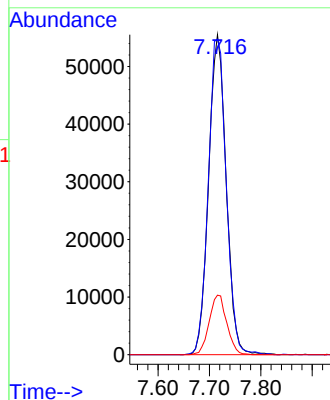
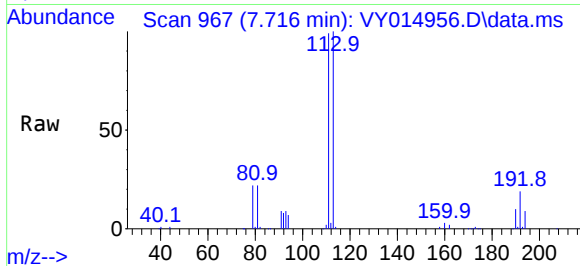




#35
Dibromofluoromethane
Concen: 50.095 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

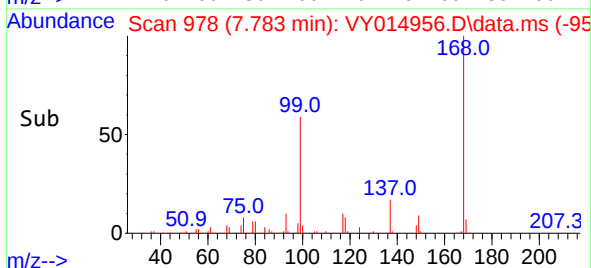
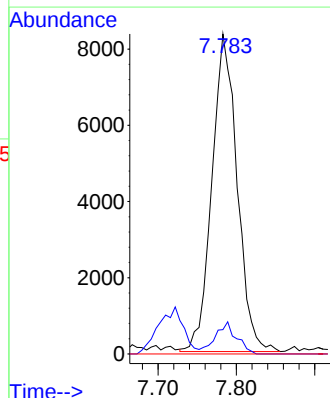
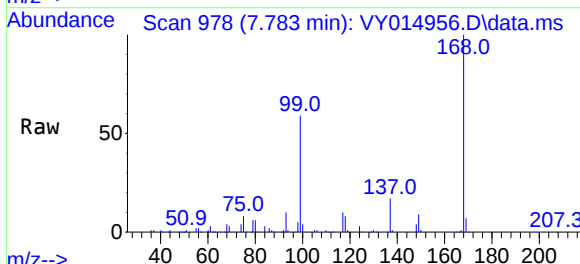
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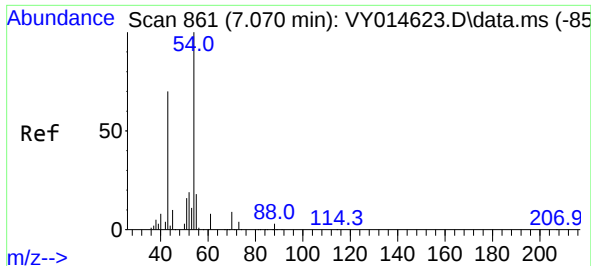
Tgt Ion:113 Resp: 131474
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.757 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Tgt Ion: 75 Resp: 18672
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#

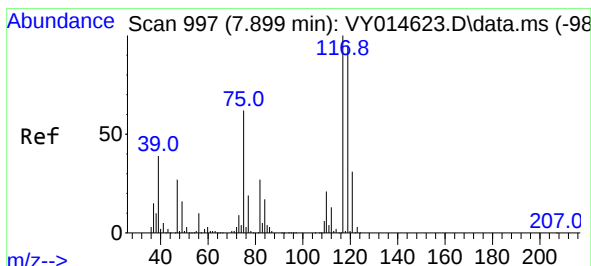
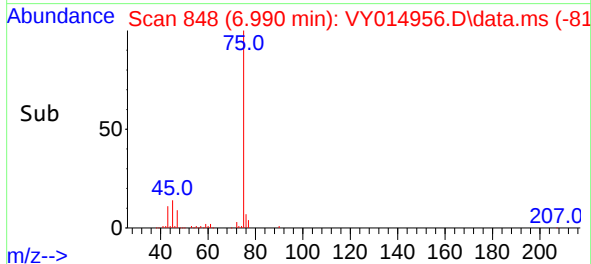
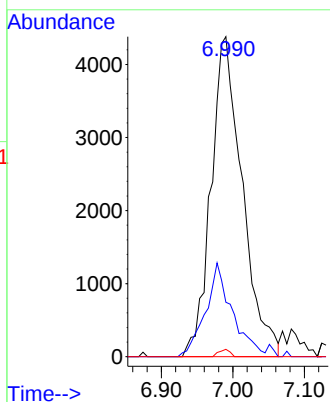
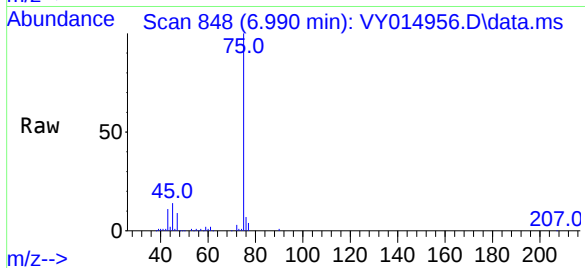




#37
Ethyl Acetate
Concen: 4.924 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.080 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

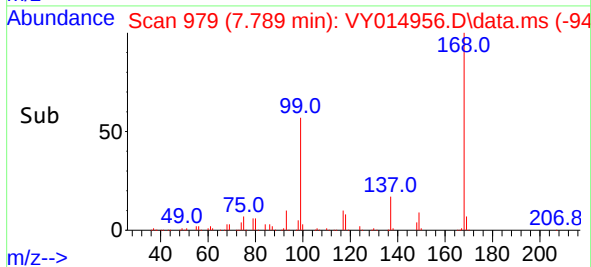
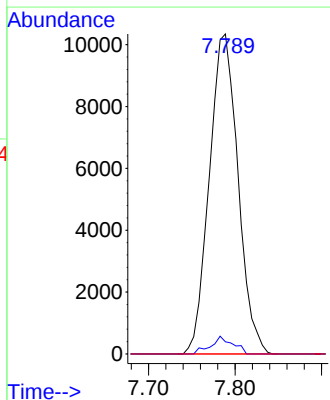
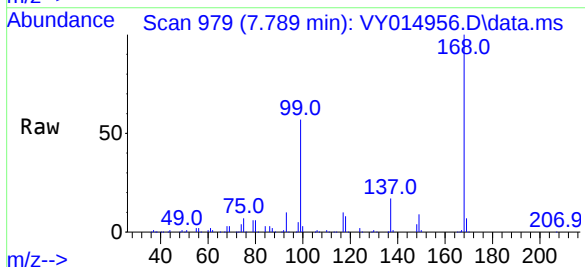
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

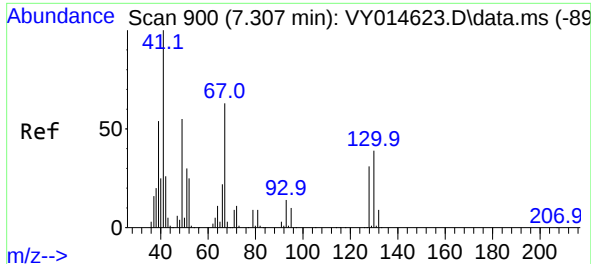
Tgt Ion: 43 Resp: 13305
Ion Ratio Lower Upper
43 100
61 25.0 10.1 15.1#
70 0.8 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.741 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Tgt Ion: 117 Resp: 23817
Ion Ratio Lower Upper
117 100
119 3.8 76.4 114.6#
121 0.0 25.8 38.6#

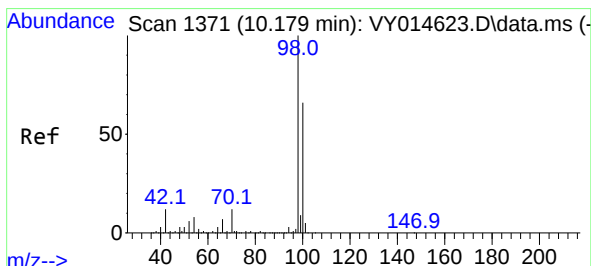
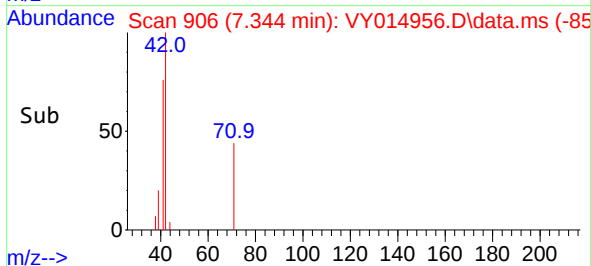
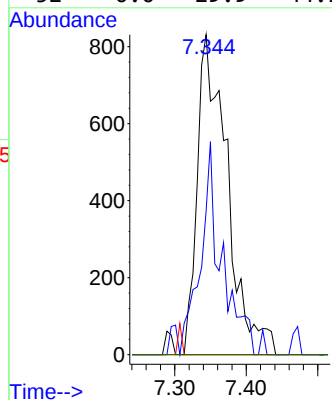
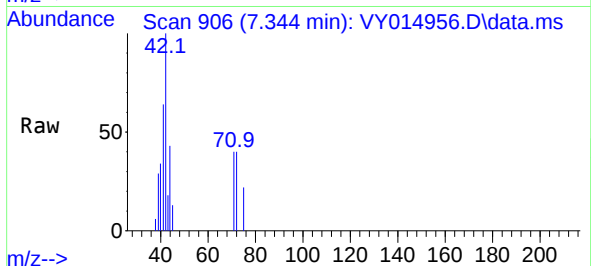




#41
Methacrylonitrile
Concen: 1.735 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

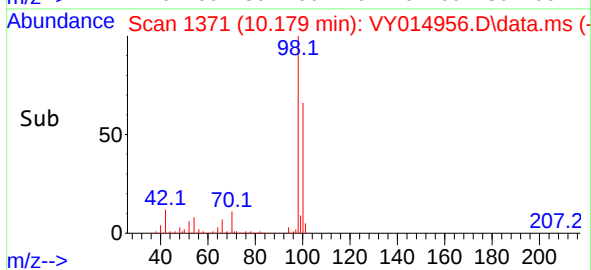
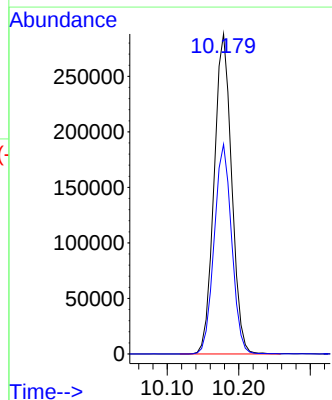
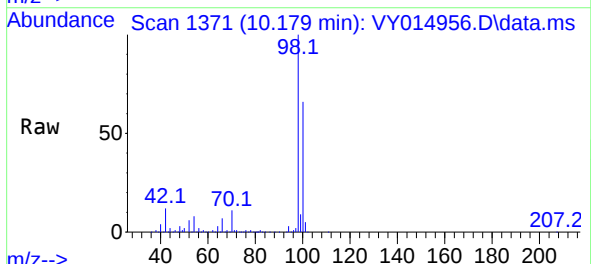
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

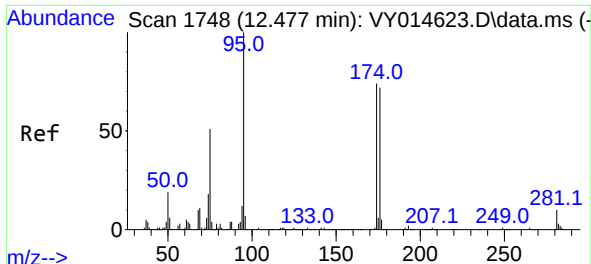
Tgt Ion:	41	Resp:	2412
Ion	Ratio	Lower	Upper
41	100		
39	47.1	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 50.717 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Tgt Ion:	98	Resp:	490733
Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.1	75.1

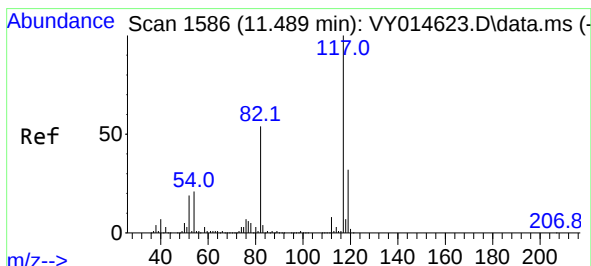
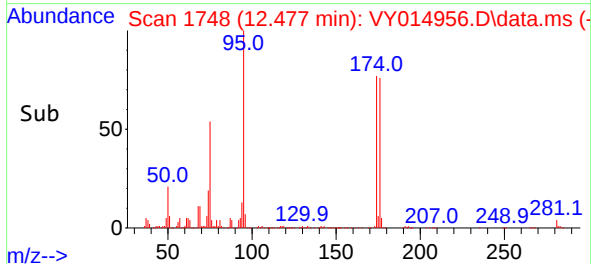
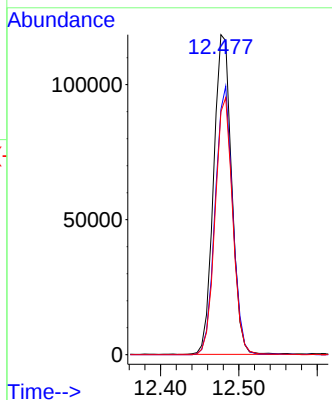
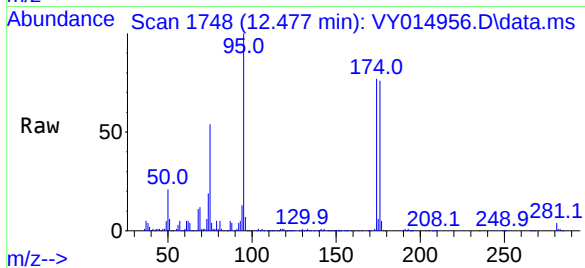




#62
4-Bromofluorobenzene
Concen: 51.180 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

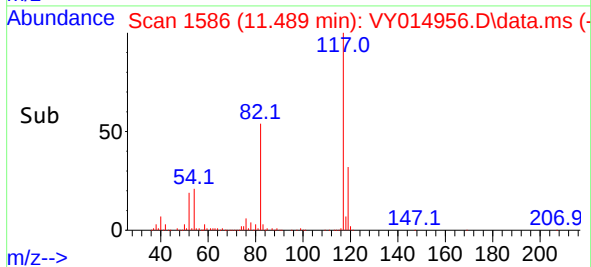
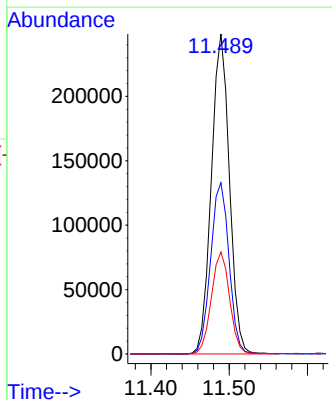
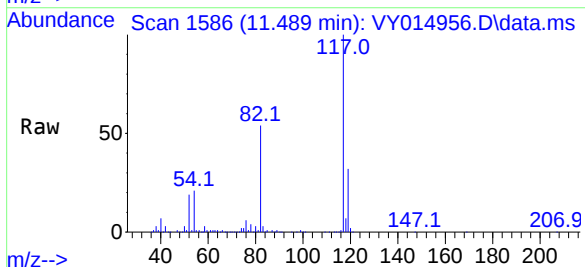
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

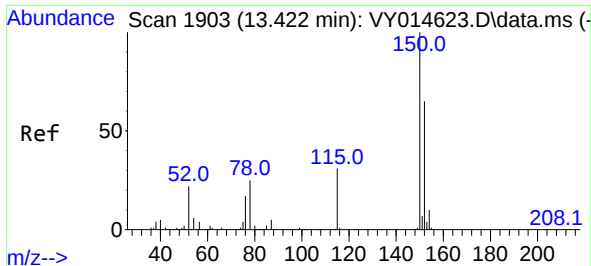
Tgt Ion: 95 Resp: 189884
Ion Ratio Lower Upper
95 100
174 81.4 0.0 178.2
176 78.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Tgt Ion: 117 Resp: 397771
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 31.8 26.3 39.5

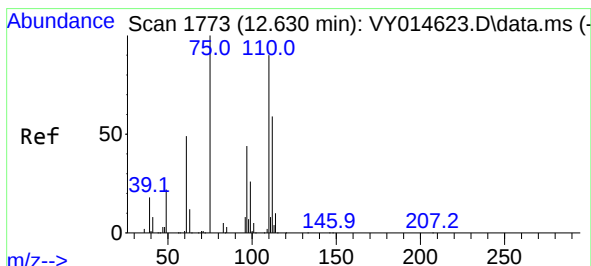
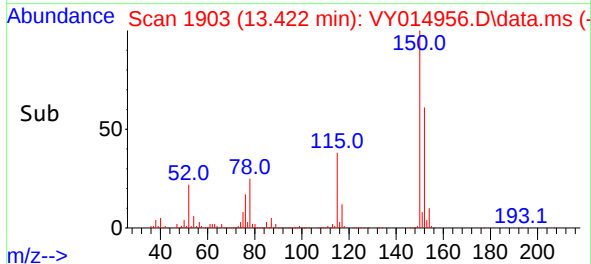
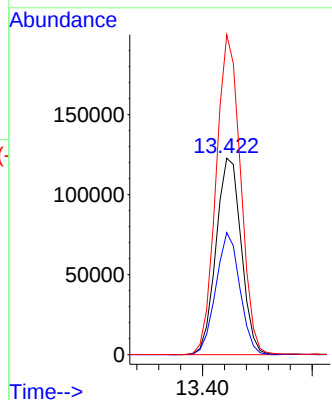
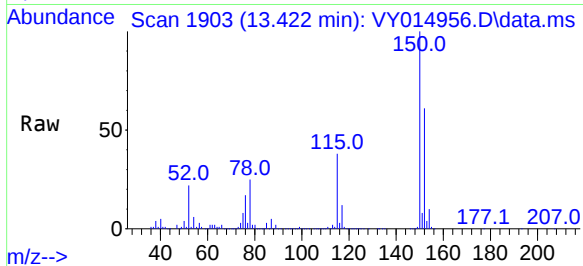




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

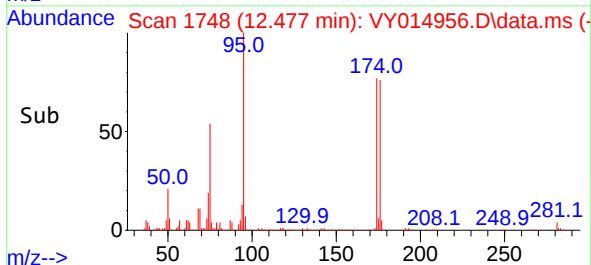
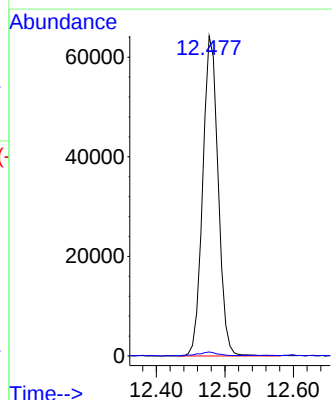
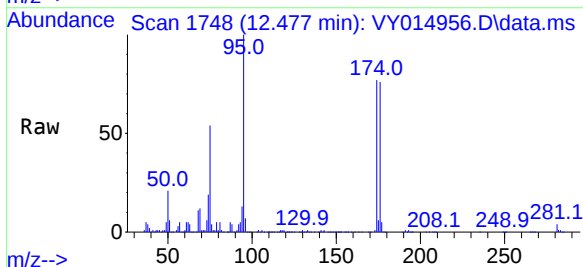
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4

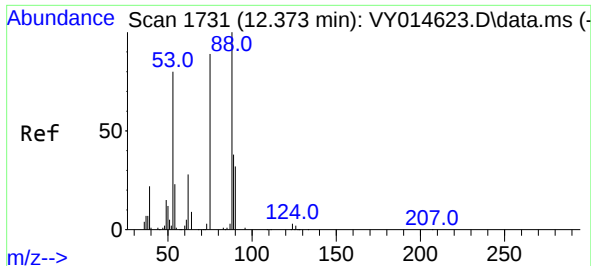
Tgt Ion:152 Resp: 195888
Ion Ratio Lower Upper
152 100
115 59.5 28.8 86.5
150 158.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 40.733 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

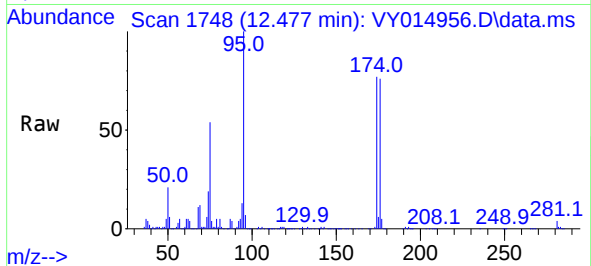
Tgt Ion: 75 Resp: 100774
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.866 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014956.D
Acq: 03 Aug 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP4



Tgt Ion: 75 Resp: 100774
Ion Ratio Lower Upper
75 100
53 0.9 77.8 116.8#
89 0.0 37.4 56.0#

