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 Data File : VY014934.D
 Acq On : 02 Aug 2023 16:29
 Operator : SY/MD
 Sample : 03862-06
 Misc : 6.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-9-(5-10)

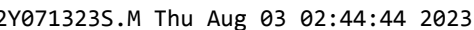
Quant Time: Aug 03 02:44:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

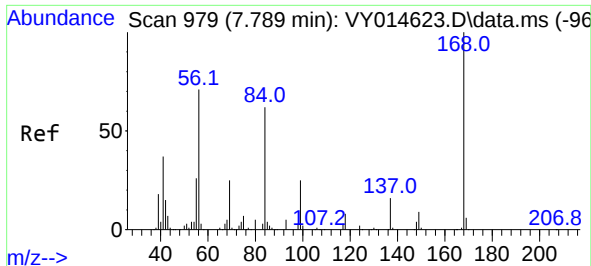
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	213669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	341452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	135445	55.628	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.260%			
35) Dibromofluoromethane	7.710	113	111400	46.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.820%			
50) Toluene-d8	10.173	98	445182	50.848	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.477	95	150260	44.759	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.520%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	197	2.448	ug/l #	70
11) Tert butyl alcohol	4.954	59	227	Below Cal	#	89
13) Acrolein	3.735	56	515	2.024	ug/l	98
16) Acetone	3.954	43	27049	35.057	ug/l	95
17) Carbon Disulfide	4.180	76	46981	7.799	ug/l #	94
20) Methylene Chloride	4.704	84	44445	14.755	ug/l	92
25) 2-Butanone	6.984	43	8849	7.839	ug/l	98
29) Tetrahydrofuran	7.350	42	1392	2.003	ug/l	94
30) Chloroform	7.496	83	5283	1.179	ug/l	87
31) Cyclohexane	7.777	56	10669	2.640	ug/l #	47
36) 1,1-Dichloropropene	7.783	75	16575	4.667	ug/l #	50
37) Ethyl Acetate	6.984	43	8849	3.619	ug/l #	71
38) Carbon Tetrachloride	7.783	117	21961	5.850	ug/l #	15
39) Methylcyclohexane	9.179	83	21470	4.640	ug/l	98
40) Benzene	8.155	78	71943	7.123	ug/l	98
52) Toluene	10.240	92	41671	6.447	ug/l	90
55) 1,1,2-Trichloroethane	10.612	97	4281	1.921	ug/l #	19
59) 2-Hexanone	10.794	43	2761	1.548	ug/l #	27
67) Ethyl Benzene	11.587	91	13936	1.061	ug/l	99
68) m/p-Xylenes	11.697	106	20131	4.014	ug/l	96
69) o-Xylene	12.026	106	15735	3.221	ug/l	92
73) Isopropylbenzene	12.331	105	43913	3.699	ug/l #	62
76) 1,2,3-Trichloropropane	12.477	75	84329	44.039	ug/l #	100
77) Bromobenzene	12.373	156	64610	23.842	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.806	105	26805	2.704	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.331	75	4378	4.427	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.117	105	42296	4.347	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.251	75	17901	34.576	ug/l #	3
95) Naphthalene	15.233	128	469565	65.707	ug/l	99

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

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Response via : Initial Calibration

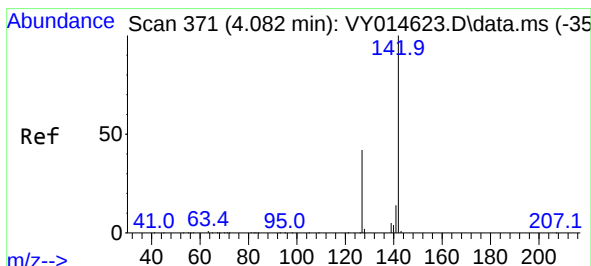
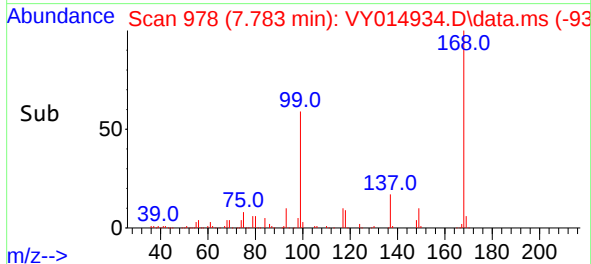
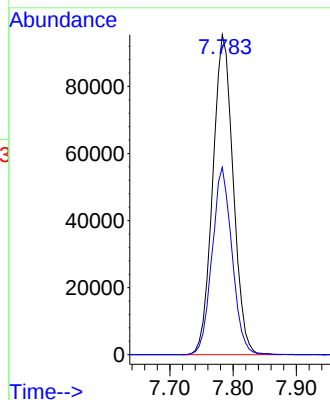
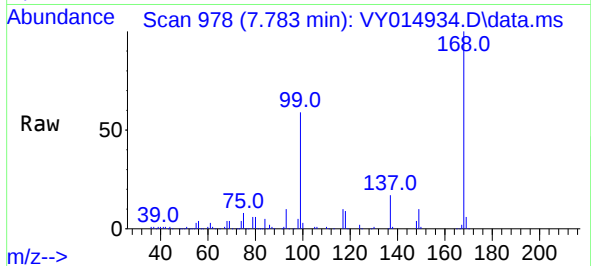




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

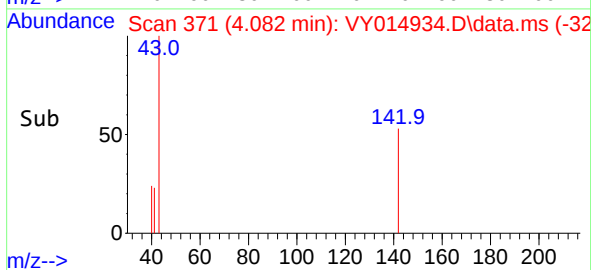
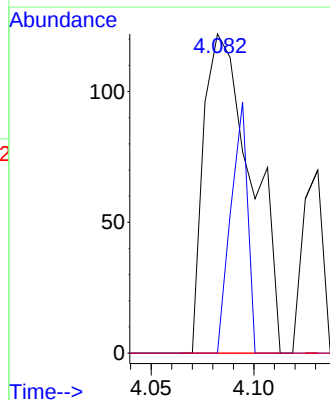
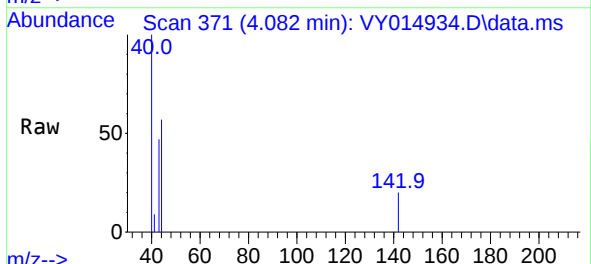
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

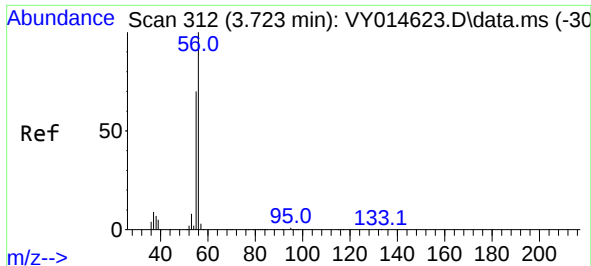
Tgt Ion:168 Resp: 213669
Ion Ratio Lower Upper
168 100
99 58.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.448 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion:142 Resp: 197
Ion Ratio Lower Upper
142 100
127 27.9 37.6 56.4#
141 0.0 11.8 17.8#

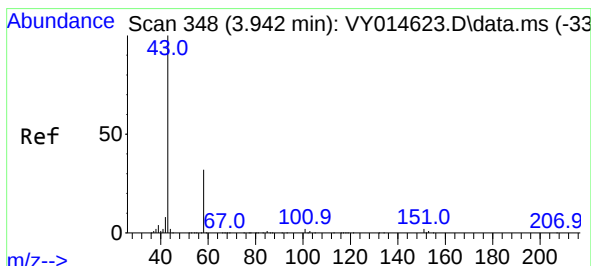
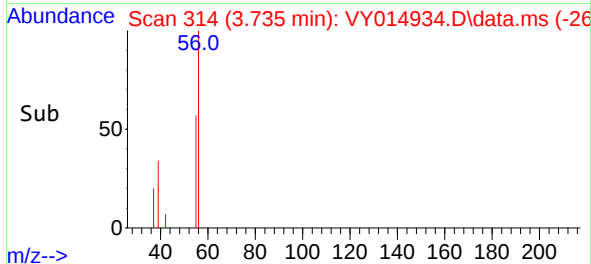
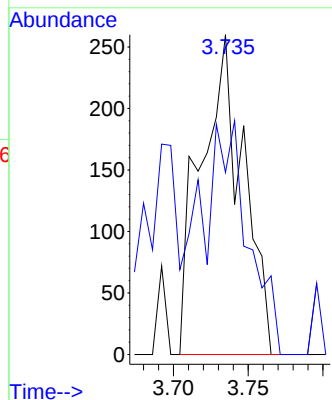
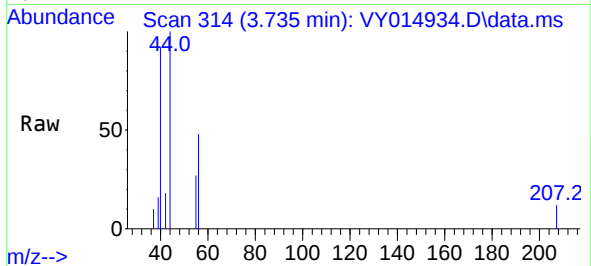




#13
Acrolein
Concen: 2.024 ug/l
RT: 3.735 min Scan# 312
Delta R.T. 0.012 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

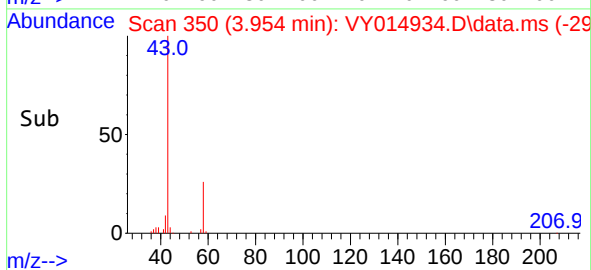
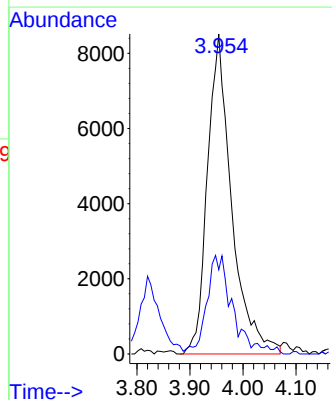
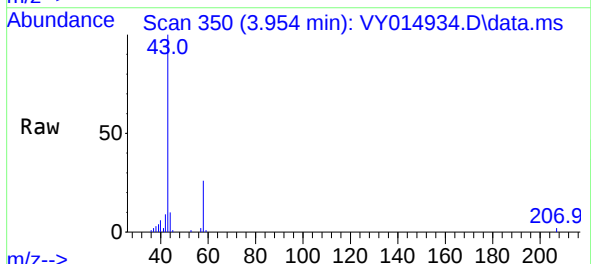
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

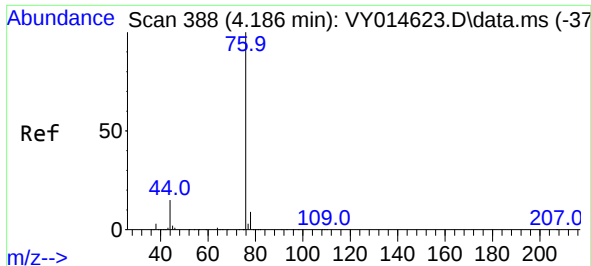
Tgt Ion: 56 Resp: 515
Ion Ratio Lower Upper
56 100
55 73.2 57.0 85.4



#16
Acetone
Concen: 35.057 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion: 43 Resp: 27049
Ion Ratio Lower Upper
43 100
58 25.7 22.7 34.1

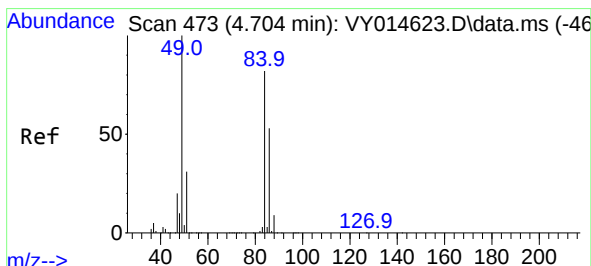
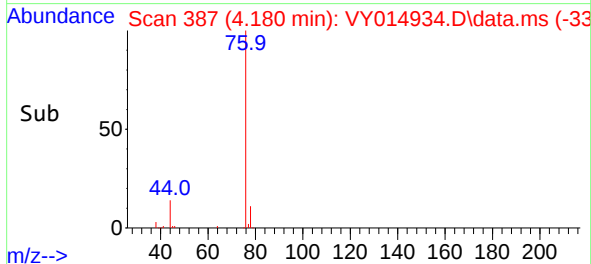
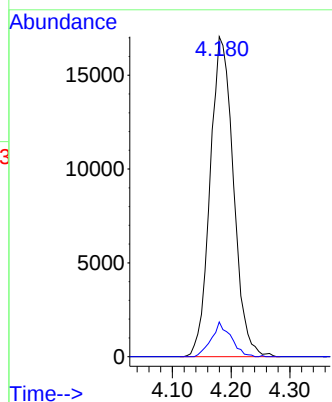
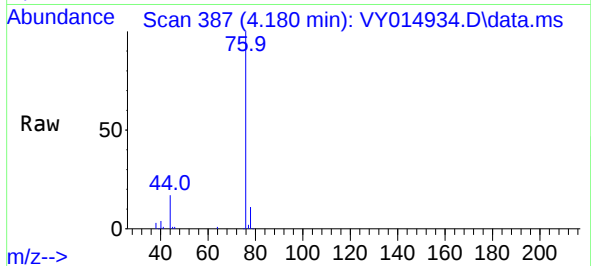




#17
Carbon Disulfide
Concen: 7.799 ug/l
RT: 4.180 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

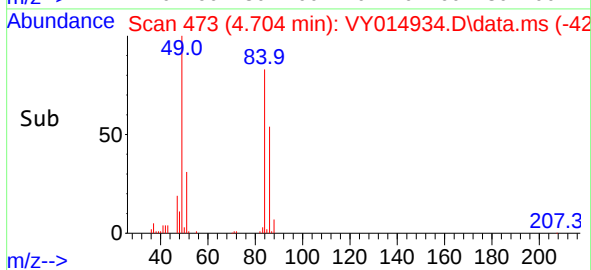
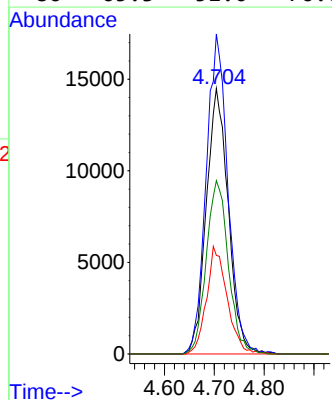
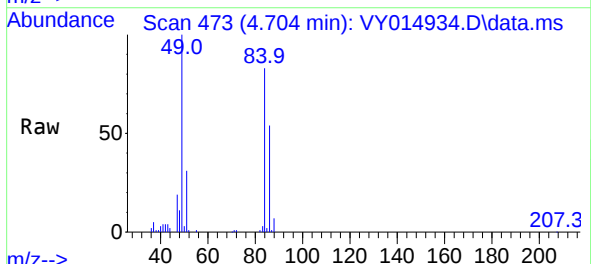
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

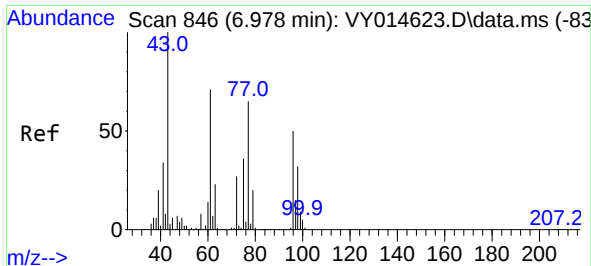
Tgt Ion: 76 Resp: 46981
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.4#



#20
Methylene Chloride
Concen: 14.755 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion: 84 Resp: 44445
Ion Ratio Lower Upper
84 100
49 120.5 106.9 160.3
51 37.1 33.2 49.8
86 65.3 51.0 76.6

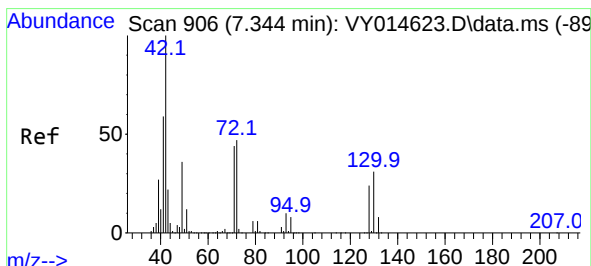
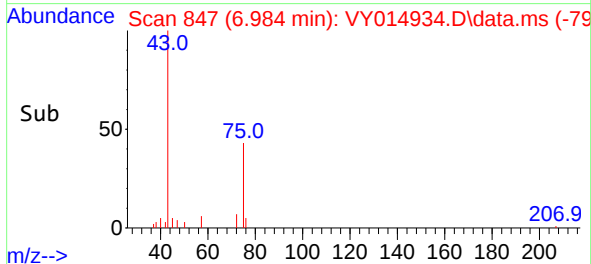
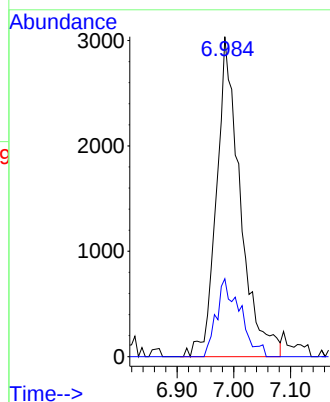
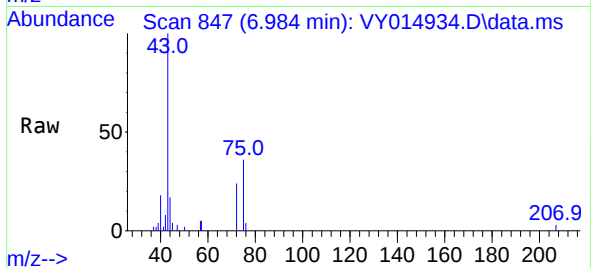




#25
2-Butanone
Concen: 7.839 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

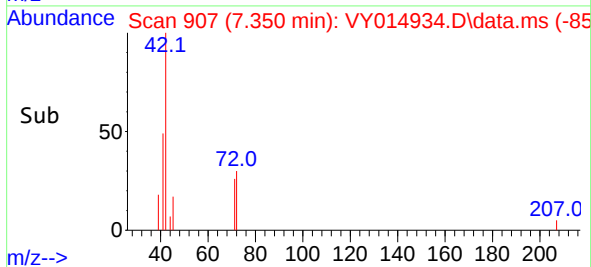
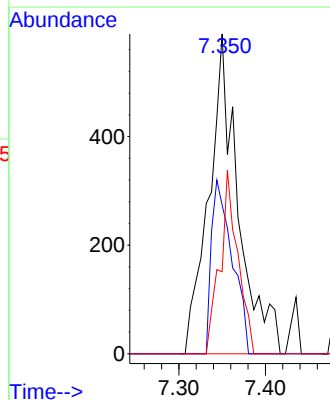
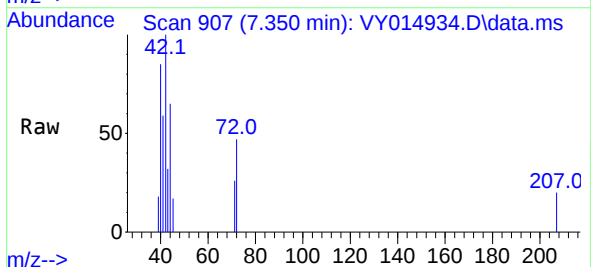
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

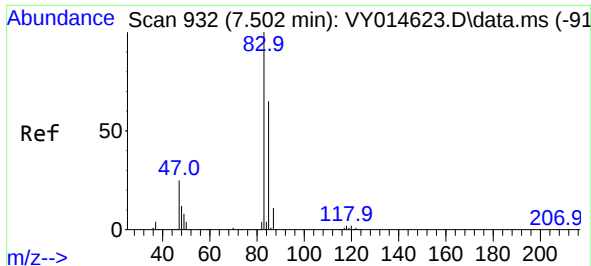
Tgt Ion: 43 Resp: 8849
Ion Ratio Lower Upper
43 100
72 24.4 20.5 30.7



#29
Tetrahydrofuran
Concen: 2.003 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion: 42 Resp: 1392
Ion Ratio Lower Upper
42 100
72 38.2 32.8 49.2
71 34.6 31.0 46.4

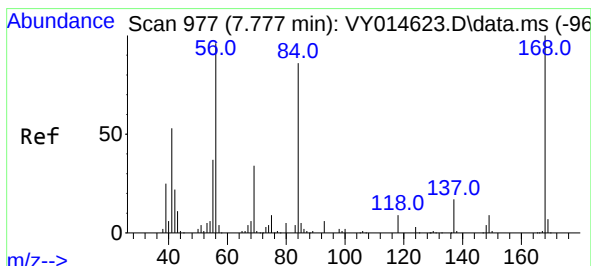
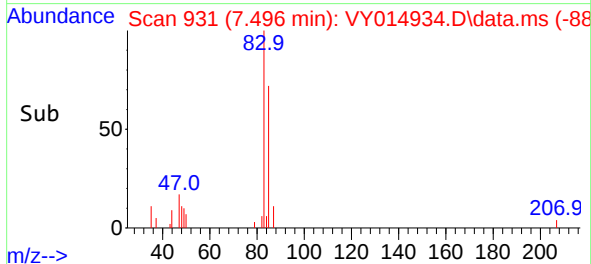
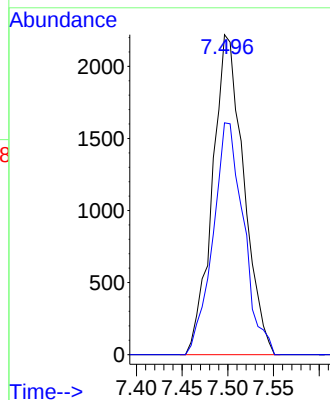
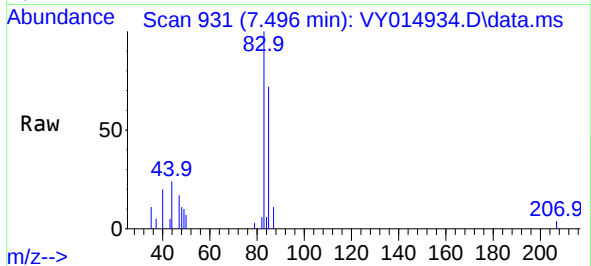




#30
Chloroform
Concen: 1.179 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

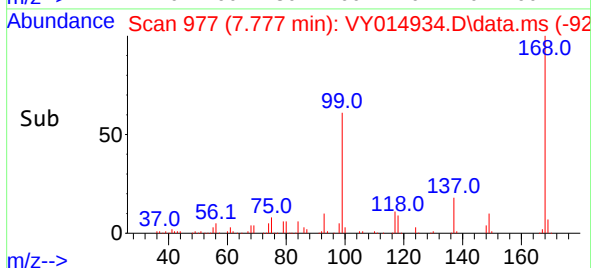
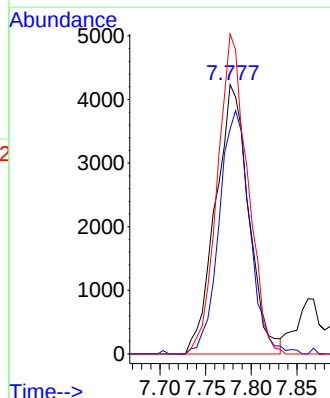
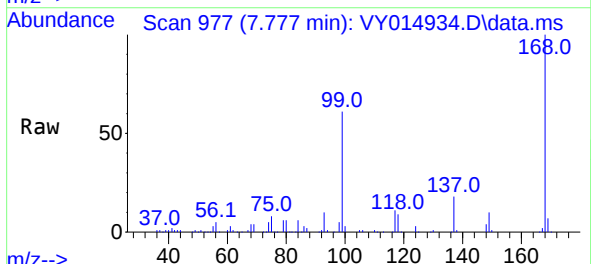
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

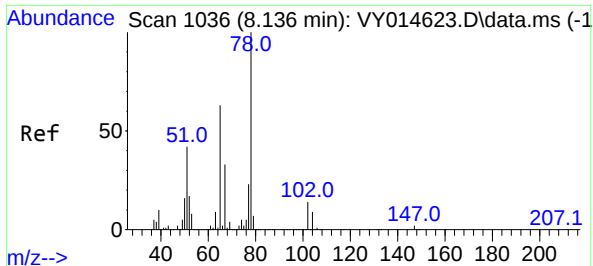
Tgt Ion: 83 Resp: 5283
Ion Ratio Lower Upper
83 100
85 72.4 49.7 74.5



#31
Cyclohexane
Concen: 2.640 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion: 56 Resp: 10669
Ion Ratio Lower Upper
56 100
69 83.5 27.8 41.6#
84 118.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.628 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014934.D

Acq: 02 Aug 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

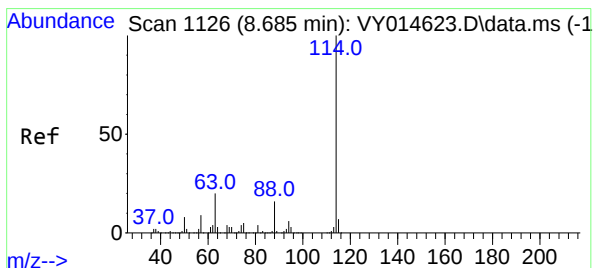
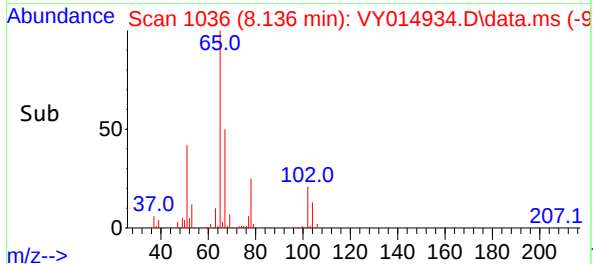
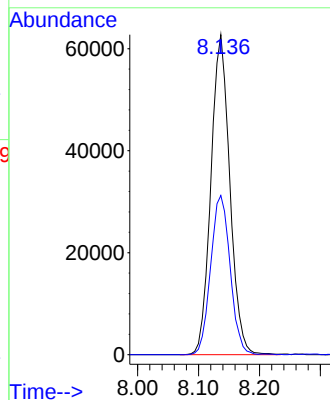
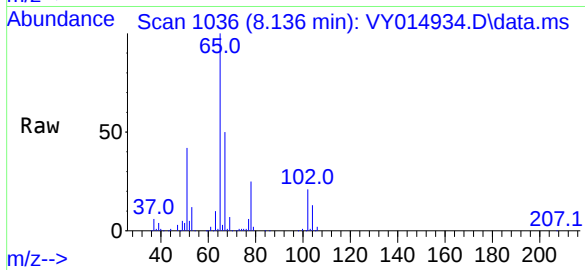
BUILDING-B-9-(5-10)

Tgt Ion: 65 Resp: 135445

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014934.D

Acq: 02 Aug 2023 16:29

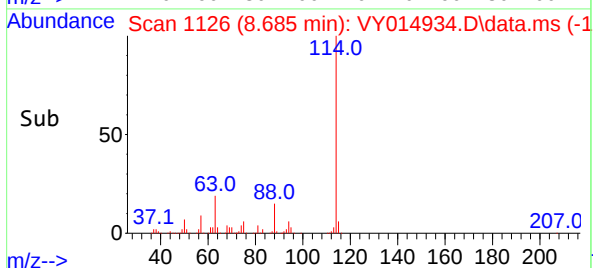
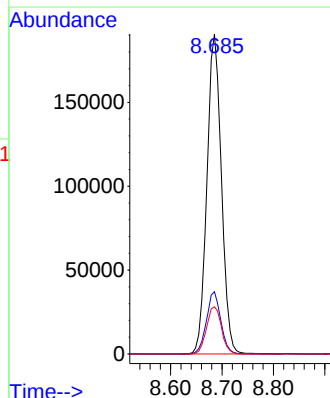
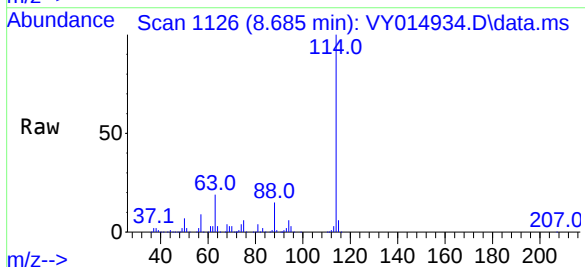
Tgt Ion: 114 Resp: 373051

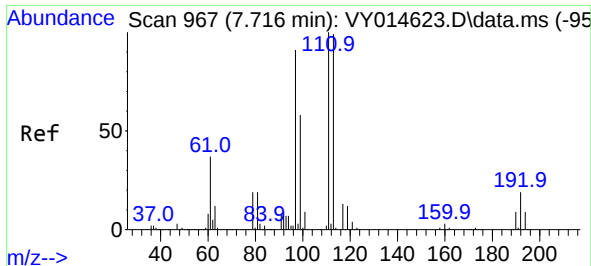
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 14.8 0.0 30.6

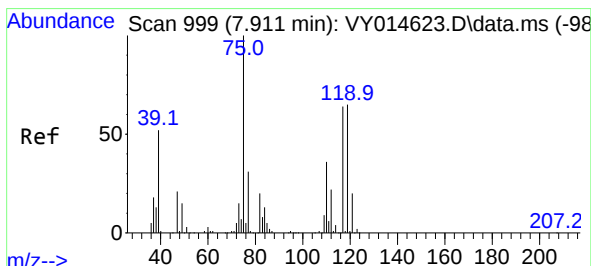
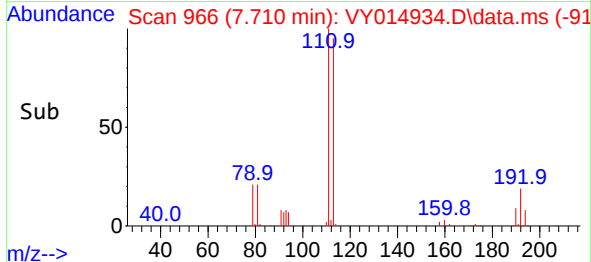
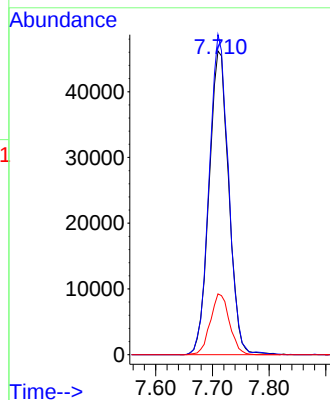
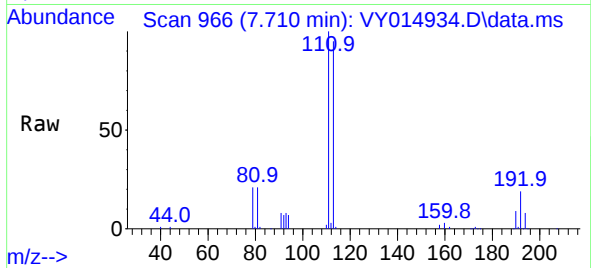




#35
Dibromofluoromethane
Concen: 46.910 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

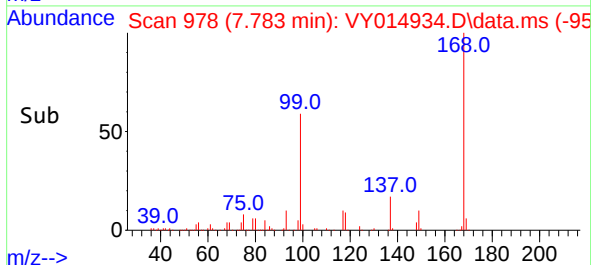
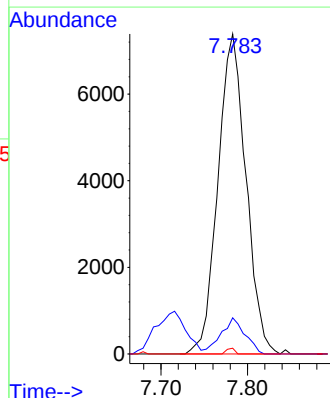
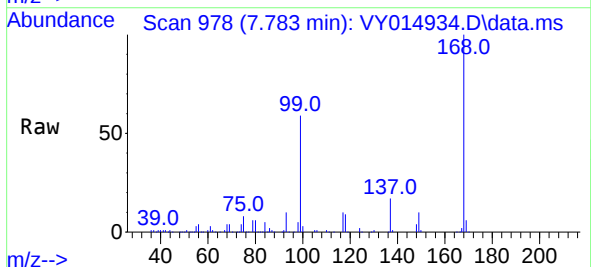
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

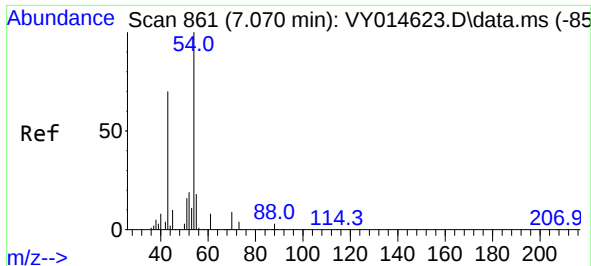
Tgt Ion:113 Resp: 111400
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.667 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion: 75 Resp: 16575
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.619 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY014934.D

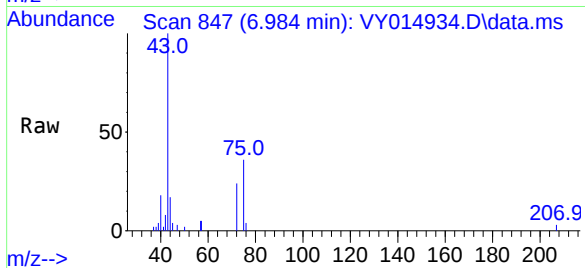
Acq: 02 Aug 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

BUILDING-B-9-(5-10)



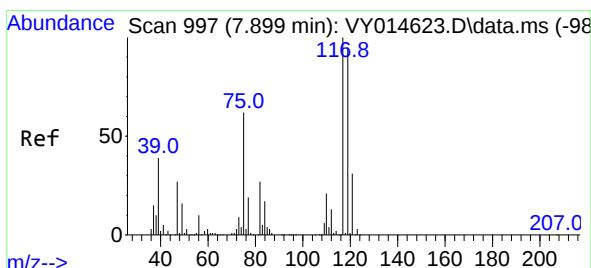
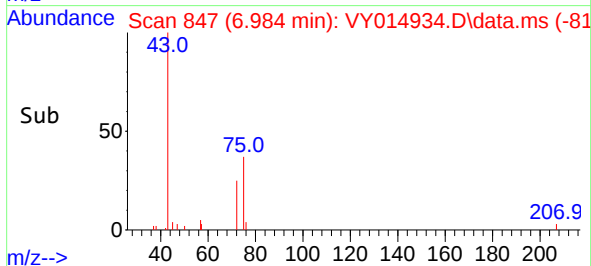
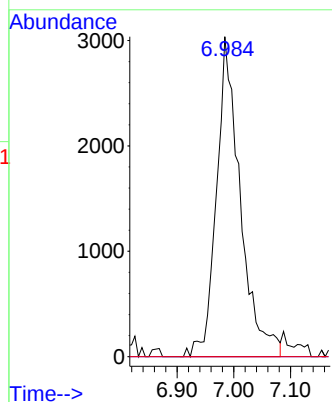
Tgt Ion: 43 Resp: 8849

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.850 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014934.D

Acq: 02 Aug 2023 16:29

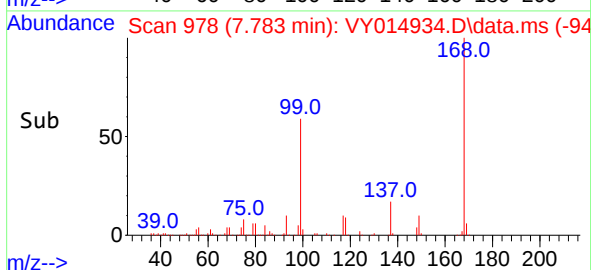
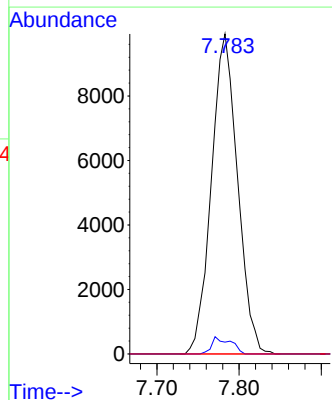
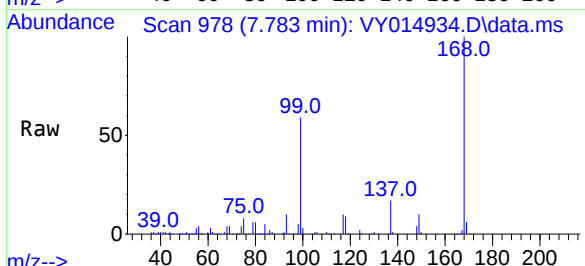
Tgt Ion: 117 Resp: 21961

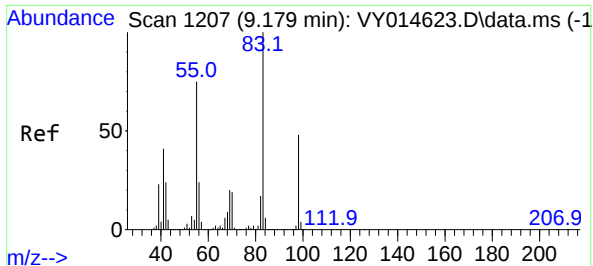
Ion Ratio Lower Upper

117 100

119 3.7 76.4 114.6#

121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 4.640 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014934.D

Acq: 02 Aug 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

BUILDING-B-9-(5-10)

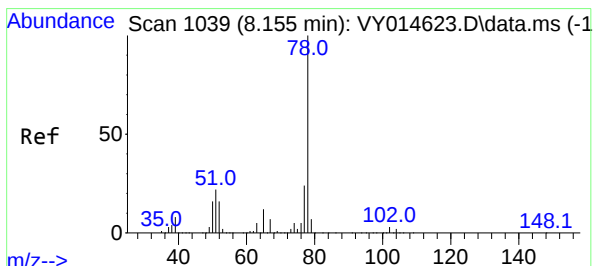
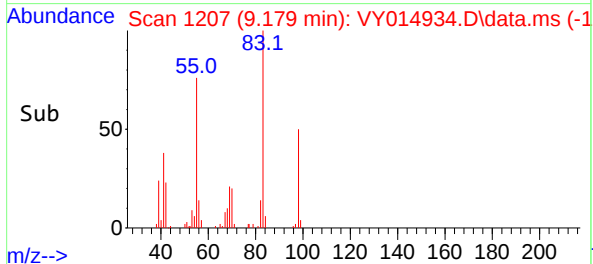
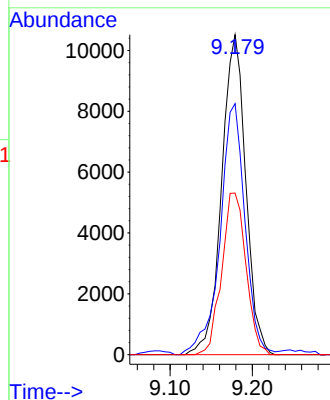
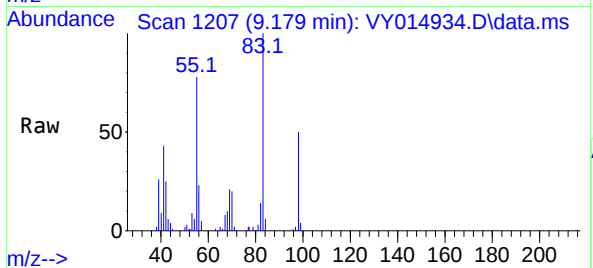
Tgt Ion: 83 Resp: 21470

Ion Ratio Lower Upper

83 100

55 78.5 63.0 94.4

98 50.5 37.4 56.2



#40

Benzene

Concen: 7.123 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY014934.D

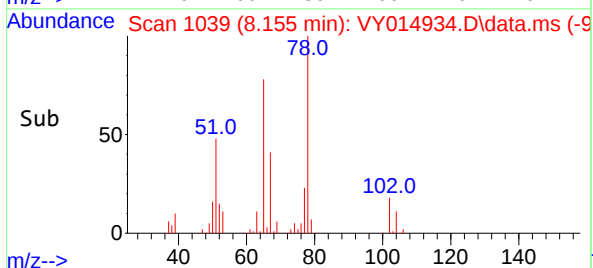
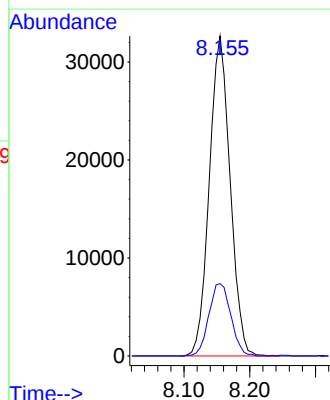
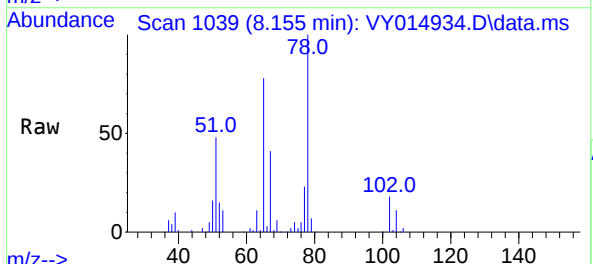
Acq: 02 Aug 2023 16:29

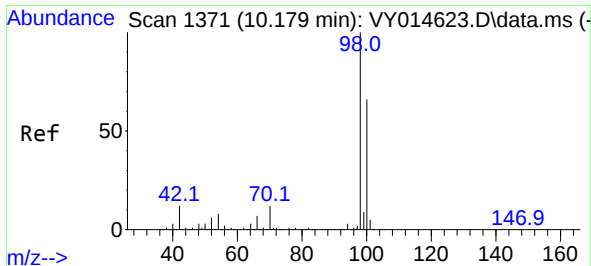
Tgt Ion: 78 Resp: 71943

Ion Ratio Lower Upper

78 100

77 22.6 19.0 28.6

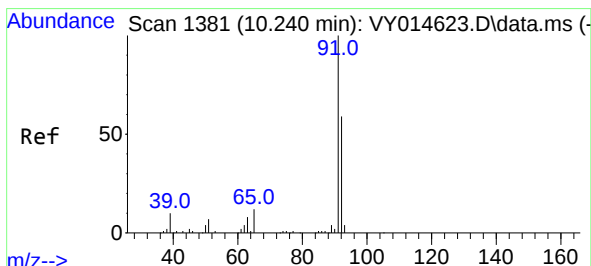
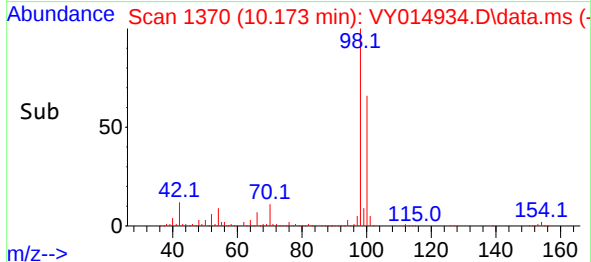
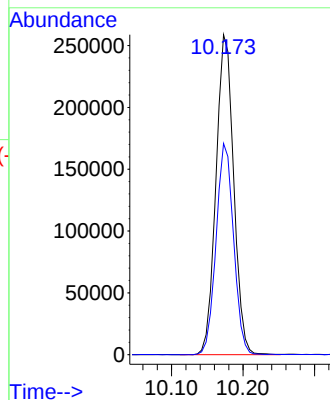
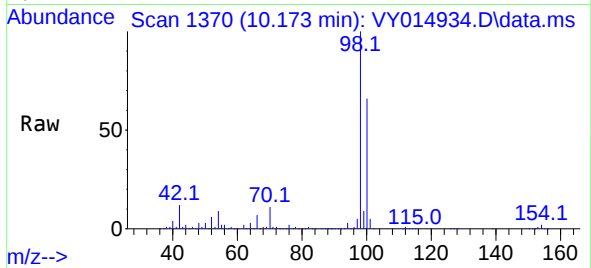




#50
Toluene-d8
Concen: 50.848 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

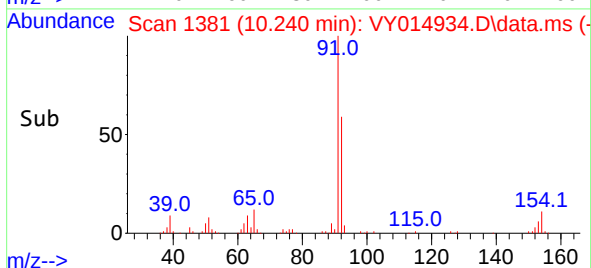
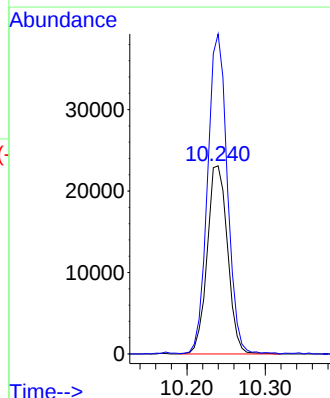
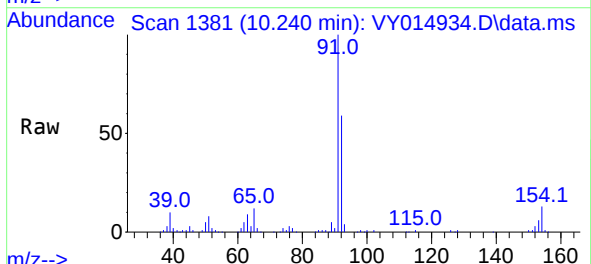
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

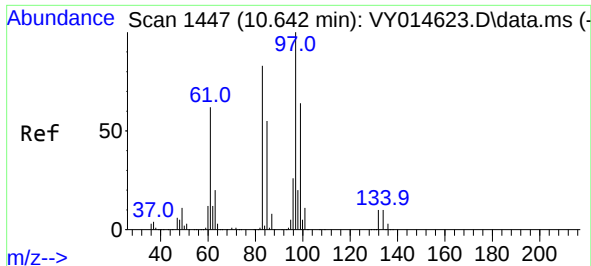
Tgt Ion: 98 Resp: 445182
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#52
Toluene
Concen: 6.447 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion: 92 Resp: 41671
Ion Ratio Lower Upper
92 100
91 164.9 143.8 215.6

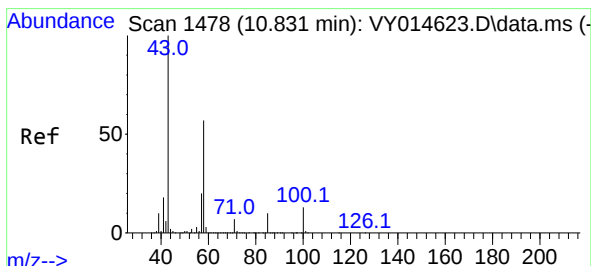
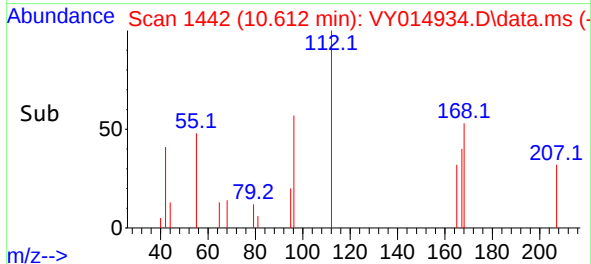
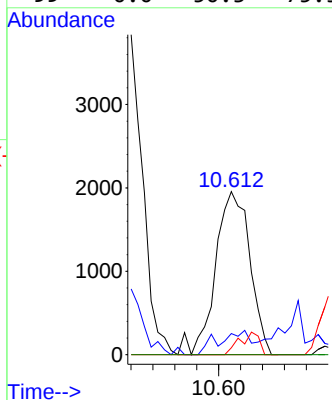
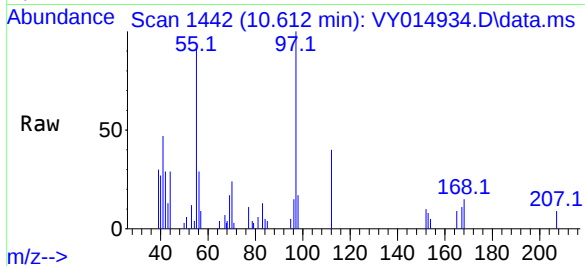




#55
1,1,2-Trichloroethane
Concen: 1.921 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.030 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

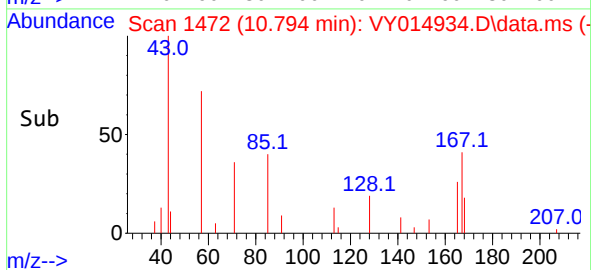
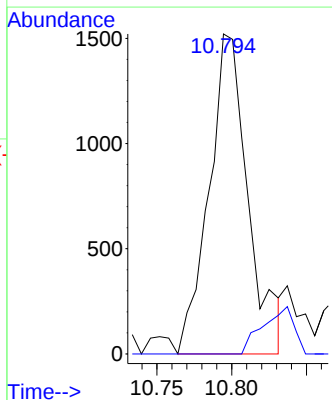
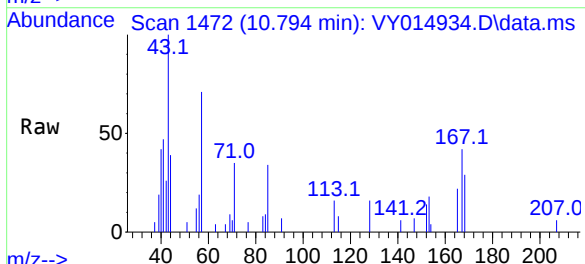
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

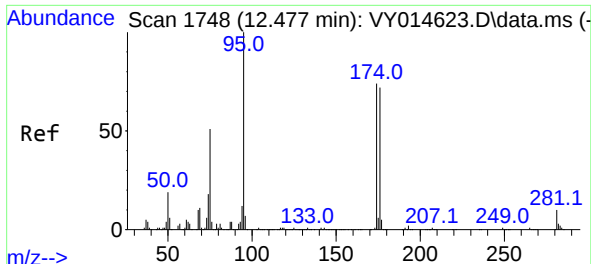
Tgt Ion:	97	Resp:	4281
Ion	Ratio	Lower	Upper
97	100		
83	8.5	72.0	108.0#
85	4.2	45.4	68.0#
99	0.0	50.3	75.5#



#59
2-Hexanone
Concen: 1.548 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion:	43	Resp:	2761
Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.1	75.3#

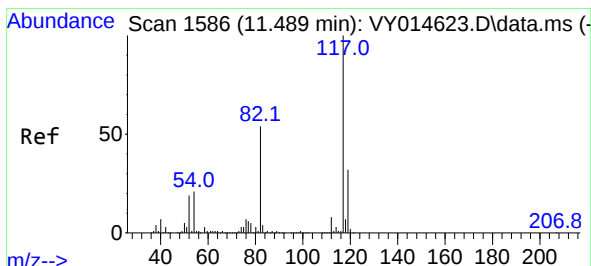
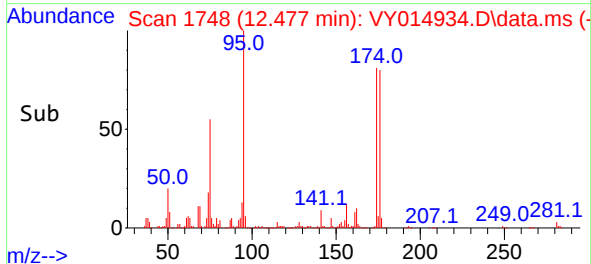
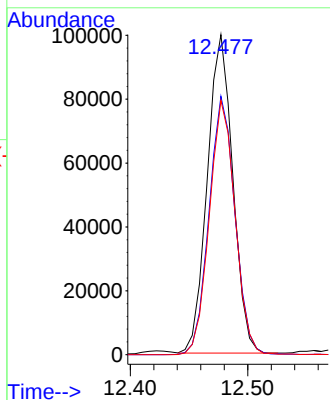
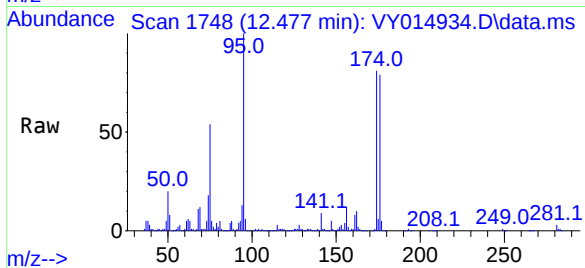




#62
4-Bromofluorobenzene
Concen: 44.759 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

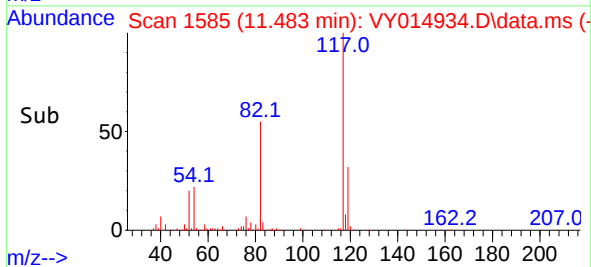
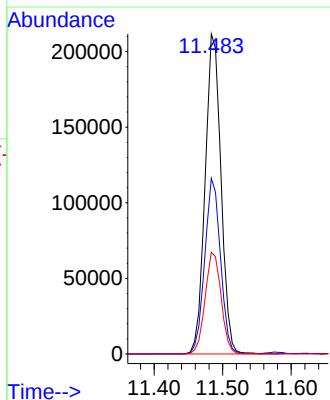
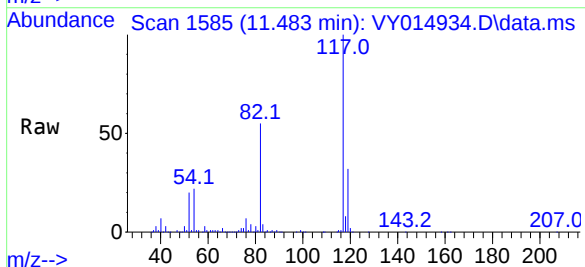
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

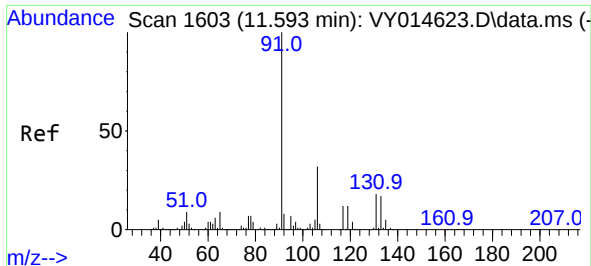
Tgt Ion:	95	Resp:	150260
Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	178.2
176	80.6	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion:	117	Resp:	341452
Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.4	65.0
119	31.8	26.3	39.5





#67

Ethyl Benzene

Concen: 1.061 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014934.D

Acq: 02 Aug 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

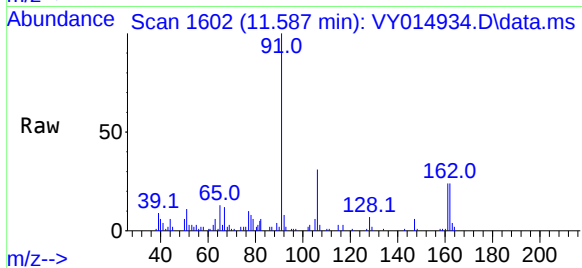
BUILDING-B-9-(5-10)

Tgt Ion: 91 Resp: 13936

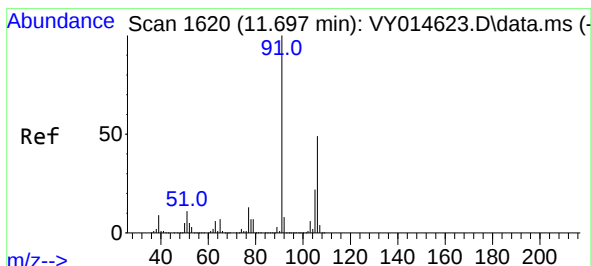
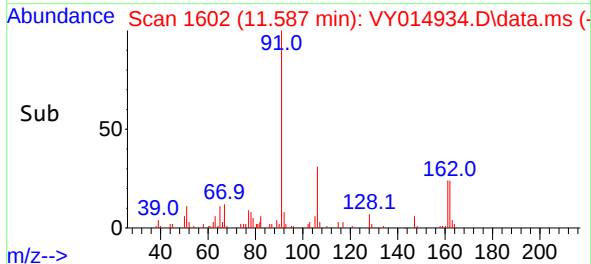
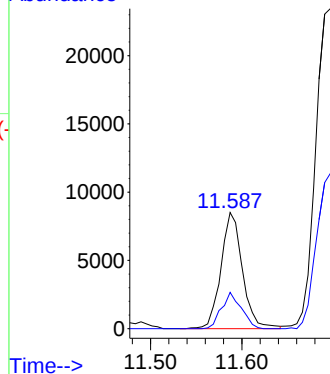
Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



Abundance



#68

m/p-Xylenes

Concen: 4.014 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014934.D

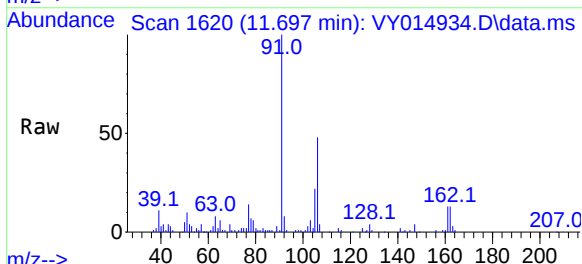
Acq: 02 Aug 2023 16:29

Tgt Ion:106 Resp: 20131

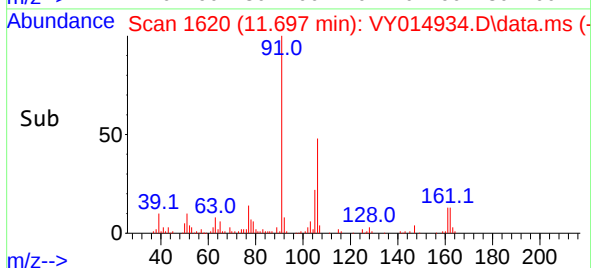
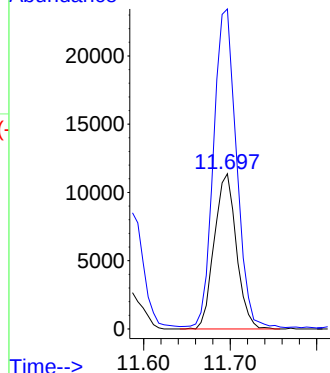
Ion Ratio Lower Upper

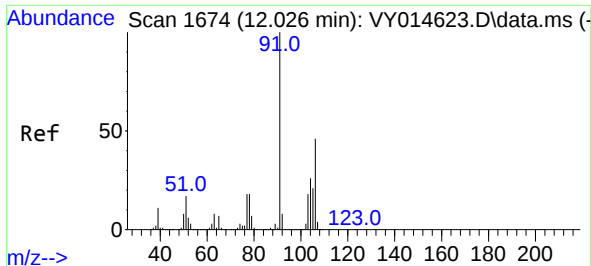
106 100

91 213.2 166.1 249.1



Abundance

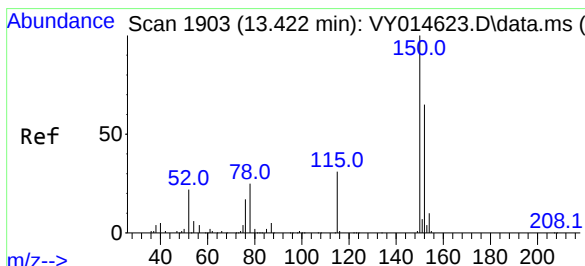
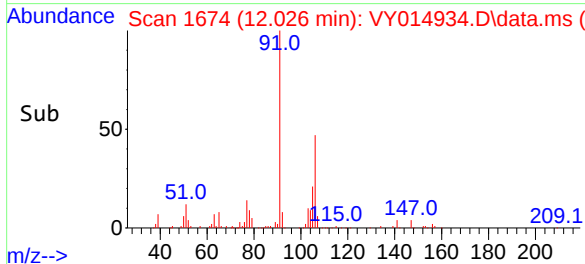
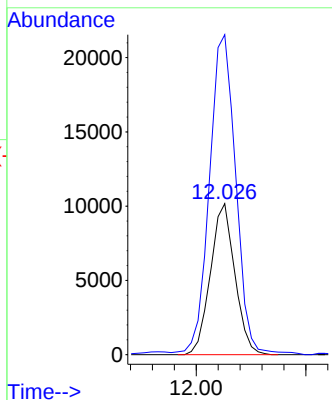
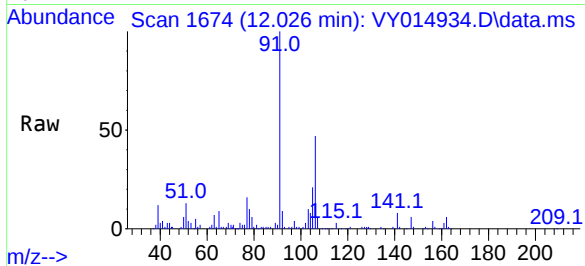




#69
o-Xylene
Concen: 3.221 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

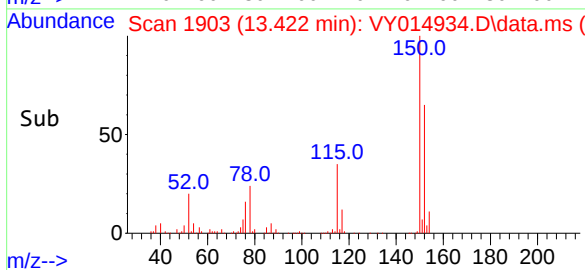
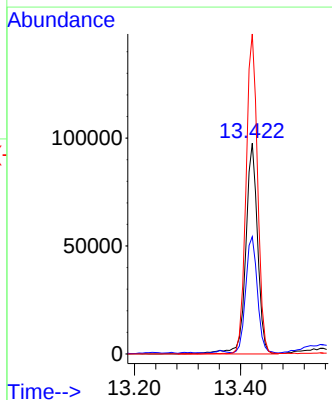
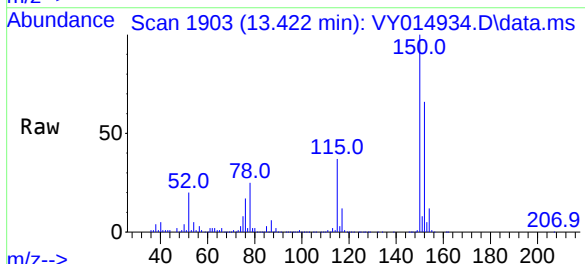
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

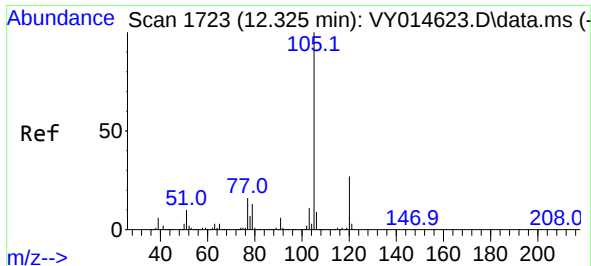
Tgt Ion:106 Resp: 15735
Ion Ratio Lower Upper
106 100
91 229.1 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion:152 Resp: 151617
Ion Ratio Lower Upper
152 100
115 54.1 28.8 86.5
150 147.3 0.0 348.8

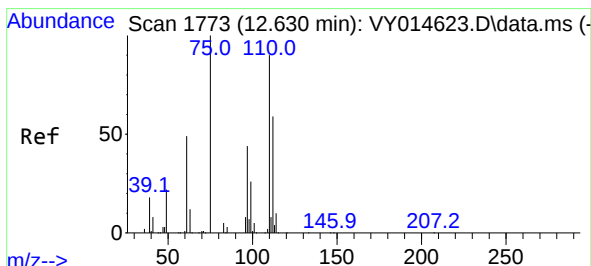
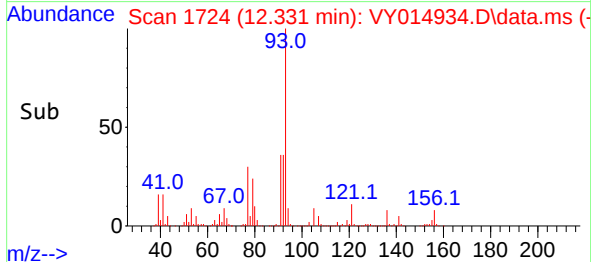
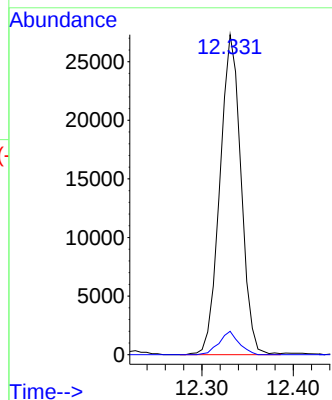
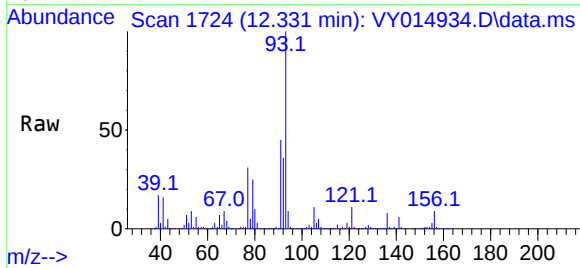




#73
Isopropylbenzene
Concen: 3.699 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

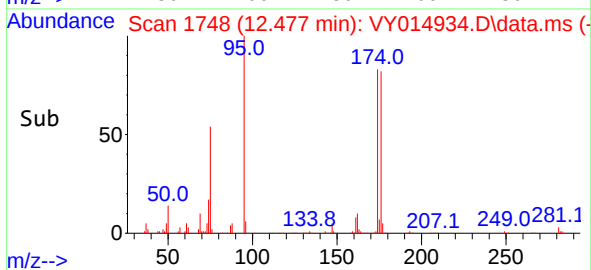
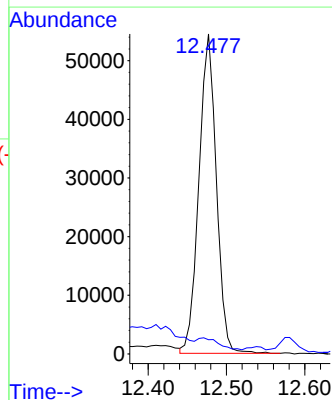
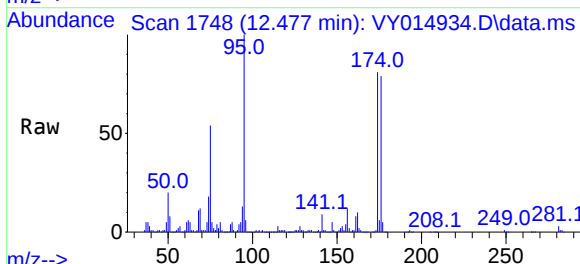
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

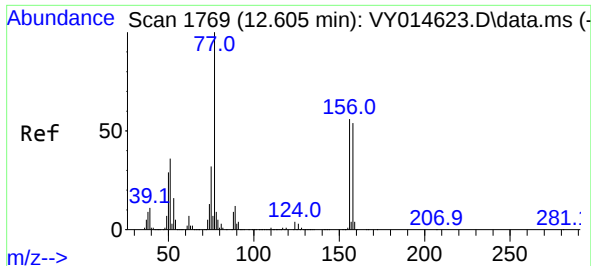
Tgt Ion:105 Resp: 43913
Ion Ratio Lower Upper
105 100
120 6.8 13.3 39.9#



#76
1,2,3-Trichloropropane
Concen: 44.039 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion: 75 Resp: 84329
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

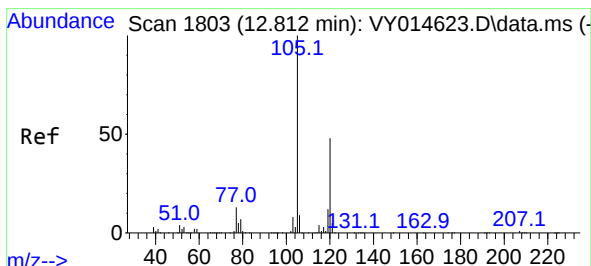
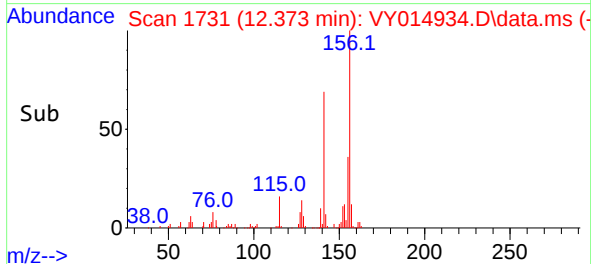
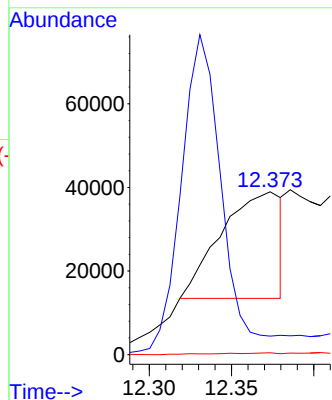
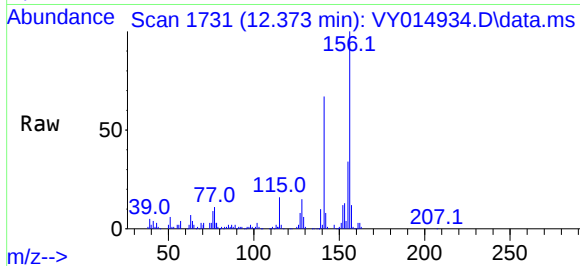




#77
Bromobenzene
Concen: 23.842 ug/l
RT: 12.373 min Scan# 11
Delta R.T. -0.232 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

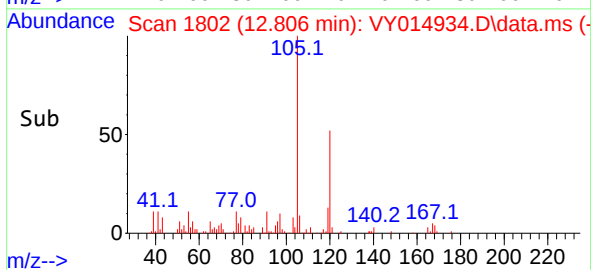
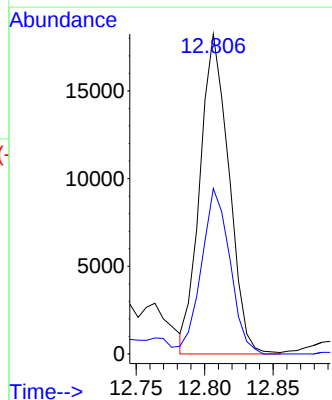
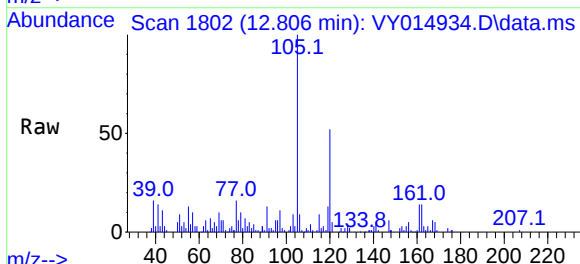
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

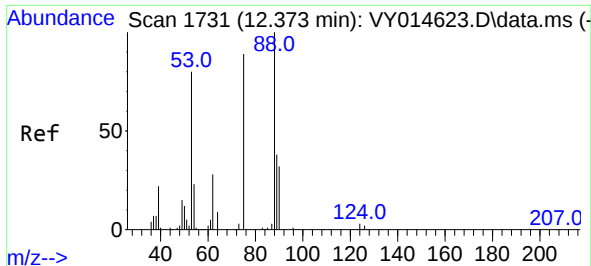
Tgt Ion:156 Resp: 64610
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 1.0 48.4 145.3#



#80
1,3,5-Trimethylbenzene
Concen: 2.704 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion:105 Resp: 26805
Ion Ratio Lower Upper
105 100
120 51.1 23.9 71.7

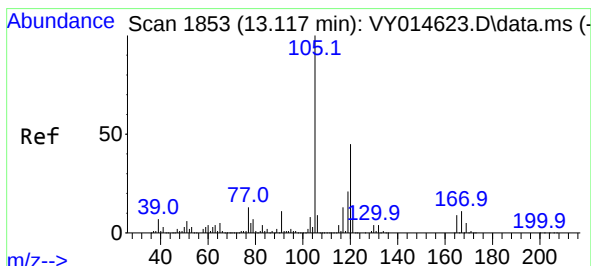
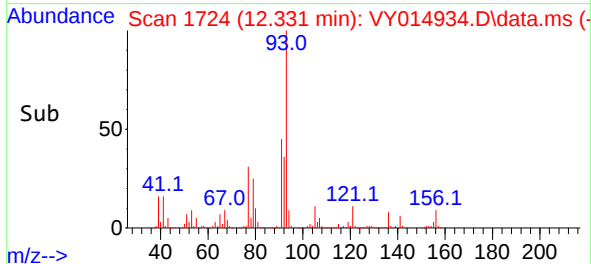
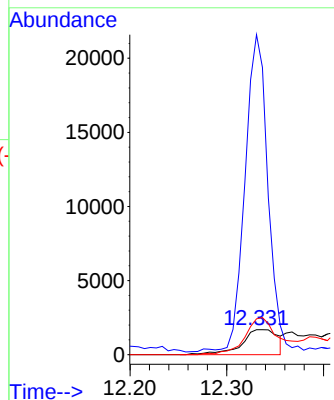
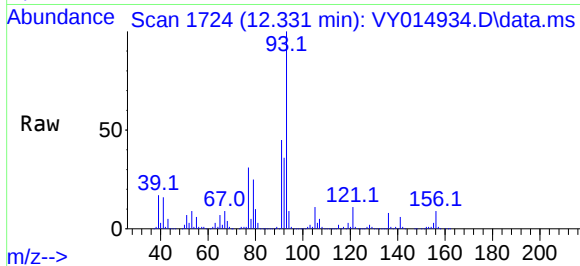




#81
trans-1,4-Dichloro-2-butene
Concen: 4.427 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.042 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

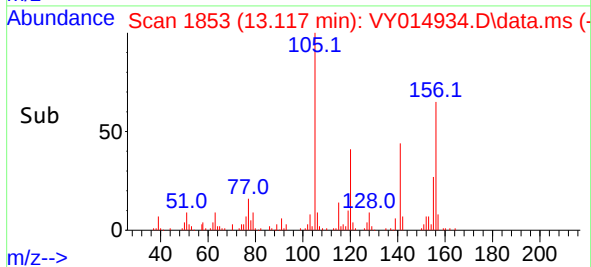
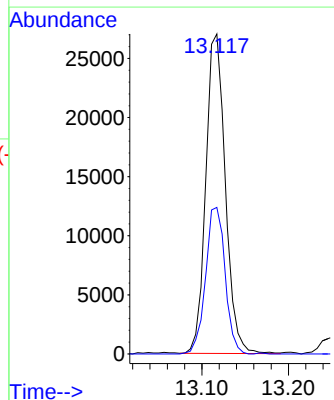
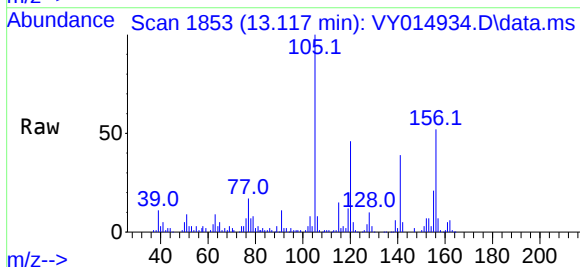
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

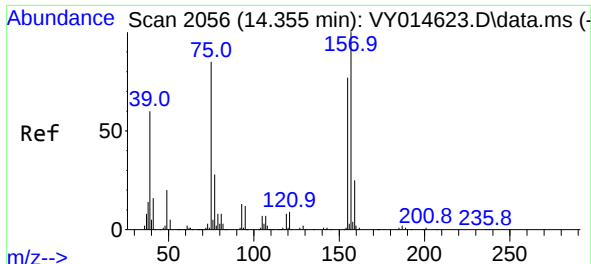
Tgt Ion: 75 Resp: 4378
Ion Ratio Lower Upper
75 100
53 806.1 77.8 116.8#
89 142.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 4.347 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion:105 Resp: 42296
Ion Ratio Lower Upper
105 100
120 45.9 22.2 66.6

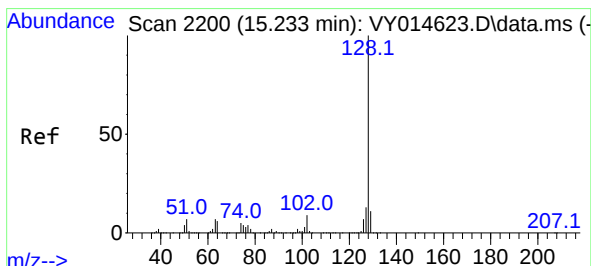
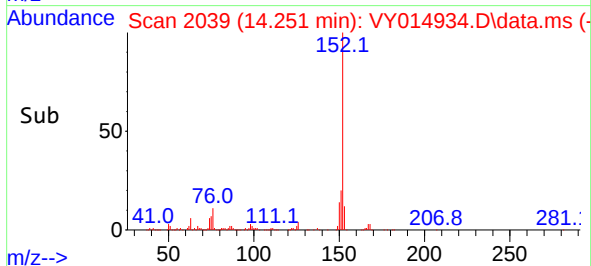
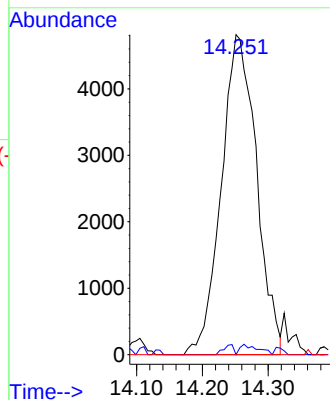
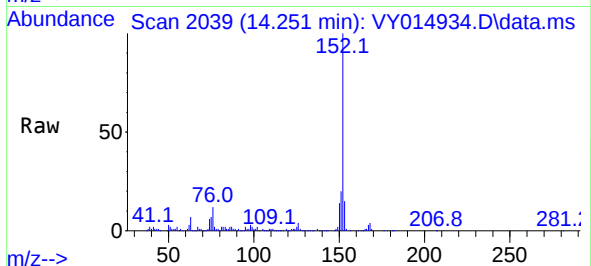




#92
1,2-Dibromo-3-Chloropropane
Concen: 34.576 ug/l
RT: 14.251 min Scan# 2056
Delta R.T. -0.104 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

Tgt Ion: 75 Resp: 17901
Ion Ratio Lower Upper
75 100
155 0.9 41.5 124.6#
157 0.0 51.8 155.5#



#95
Naphthalene
Concen: 65.707 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

Tgt Ion:128 Resp: 469565
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 10.9 8.6 13.0

