

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014935.D
 Acq On : 02 Aug 2023 16:53
 Operator : SY/MD
 Sample : 03862-07
 Misc : 6.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-15-(5-10)

Quant Time: Aug 03 02:45:01 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)

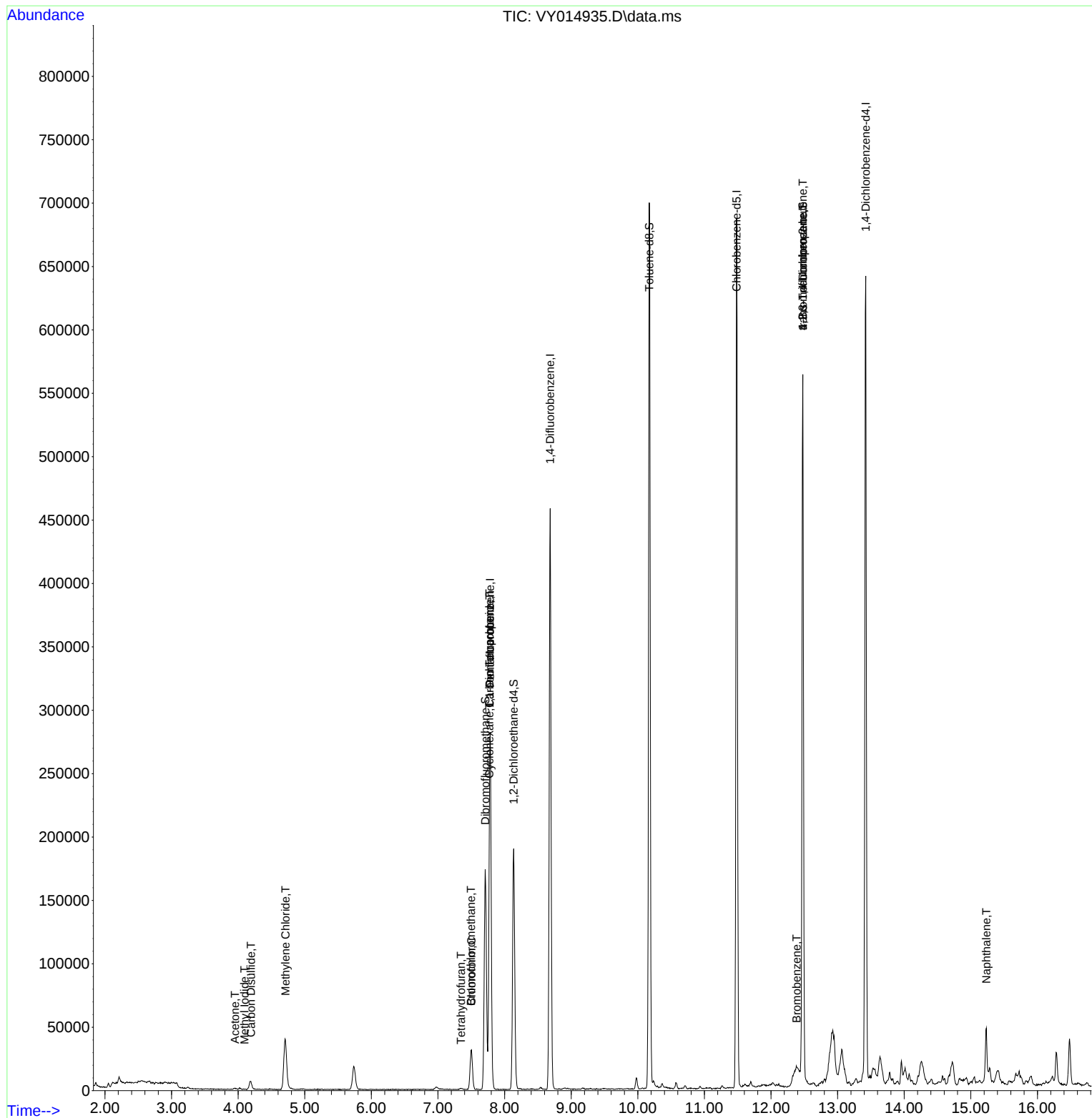
Internal Standards						
1) Pentafluorobenzene	7.783	168	219533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	386299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	365665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	144897	57.920	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.840%
35) Dibromofluoromethane	7.710	113	122010	49.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.240%
50) Toluene-d8	10.173	98	459281	50.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.477	95	167478	48.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.360%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.094	142	309	2.490	ug/l #	52
11) Tert butyl alcohol	4.936	59	294	Below Cal	#	89
16) Acetone	3.954	43	1742	2.197	ug/l	97
17) Carbon Disulfide	4.192	76	12946	2.092	ug/l	99
20) Methylene Chloride	4.710	84	29950	8.090	ug/l	92
28) Bromochloromethane	7.496	49	2448	1.273	ug/l #	14
29) Tetrahydrofuran	7.344	42	728	1.019	ug/l #	83
30) Chloroform	7.502	83	31405	6.820	ug/l	98
31) Cyclohexane	7.771	56	5153	1.241	ug/l #	14
36) 1,1-Dichloropropene	7.777	75	17216	4.681	ug/l #	50
38) Carbon Tetrachloride	7.777	117	21463	5.521	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	89933	44.032	ug/l #	100
77) Bromobenzene	12.386	156	21108	7.303	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	89933	85.255	ug/l #	11
95) Naphthalene	15.233	128	33504	4.395	ug/l	99

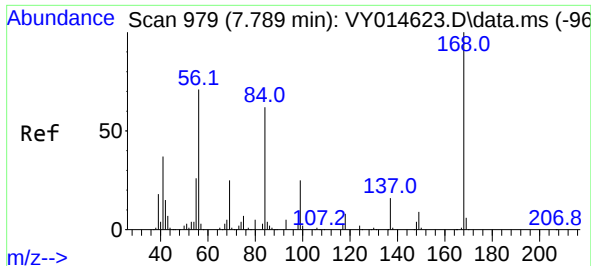
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

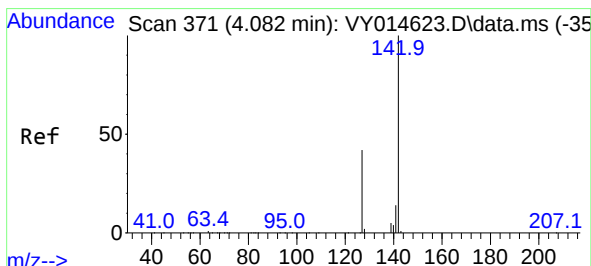
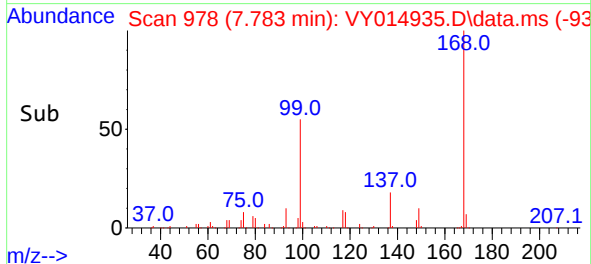
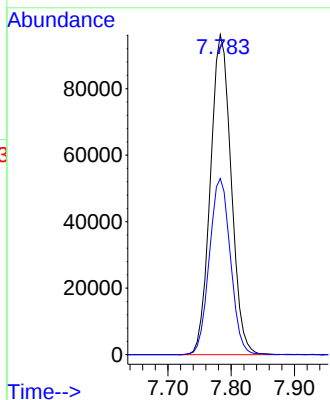
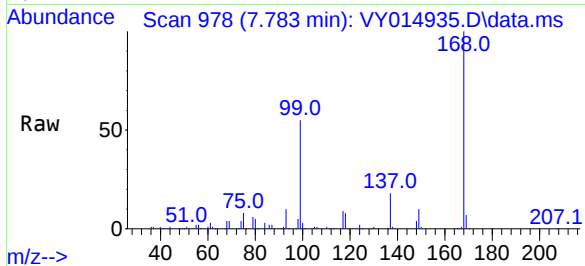




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

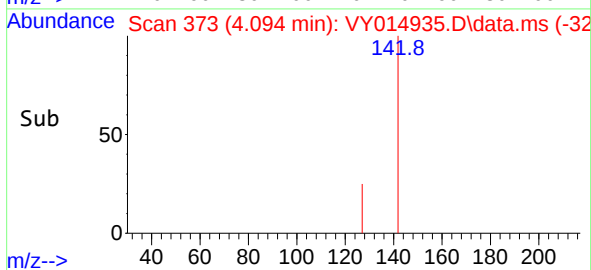
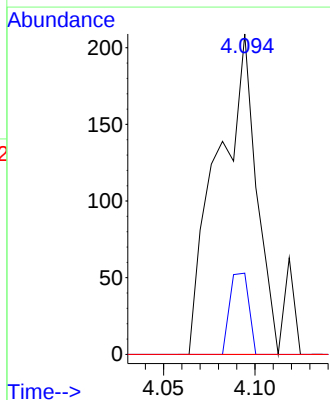
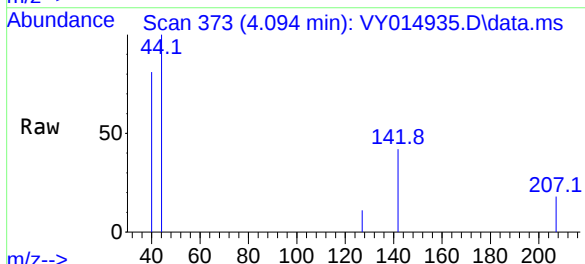
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-15-(5-10)

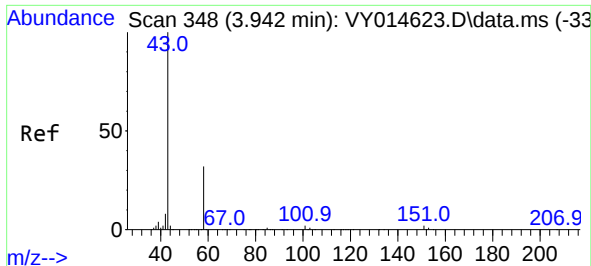
Tgt Ion:168 Resp: 219533
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.490 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion:142 Resp: 309
Ion Ratio Lower Upper
142 100
127 12.3 37.6 56.4#
141 0.0 11.8 17.8#

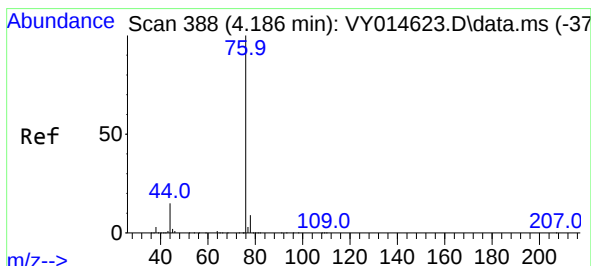
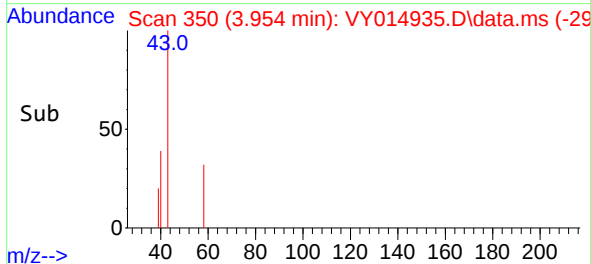
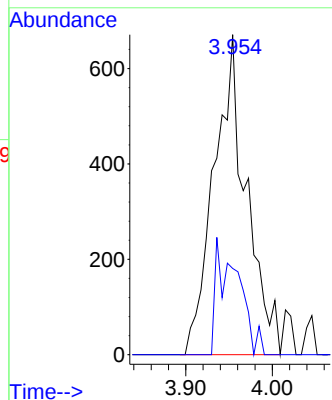
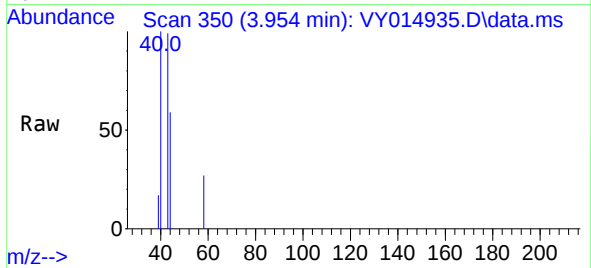




#16
Acetone
Concen: 2.197 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

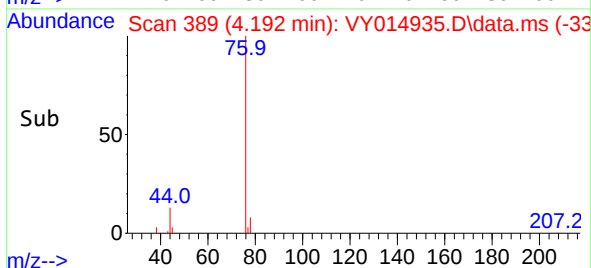
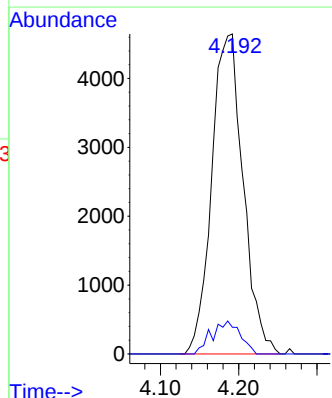
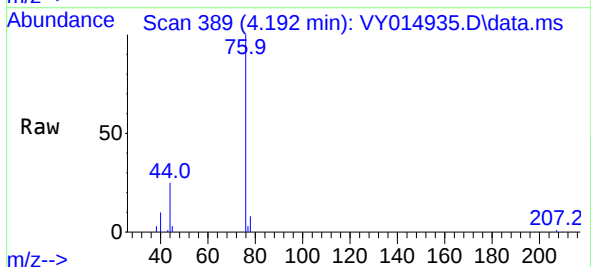
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-15-(5-10)

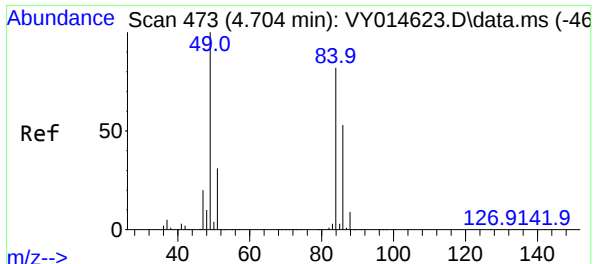
Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
58 27.0 22.7 34.1



#17
Carbon Disulfide
Concen: 2.092 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

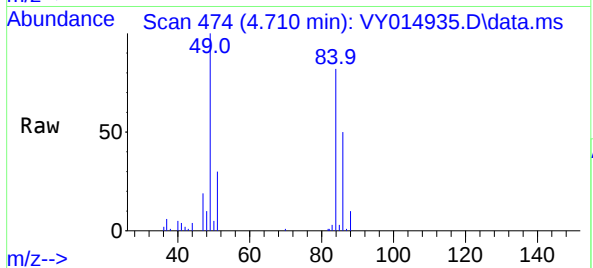
Tgt Ion: 76 Resp: 12946
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4



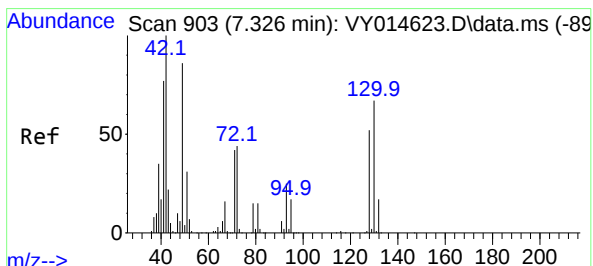
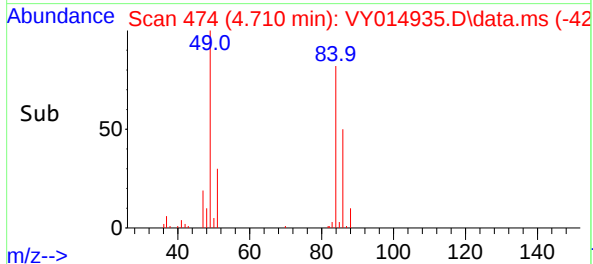
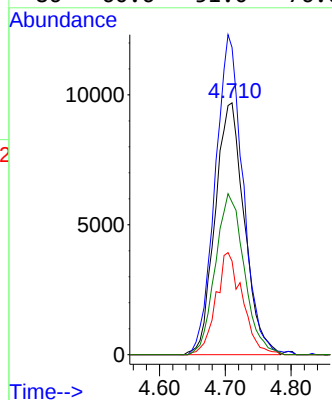


#20
Methylene Chloride
Concen: 8.090 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-15-(5-10)

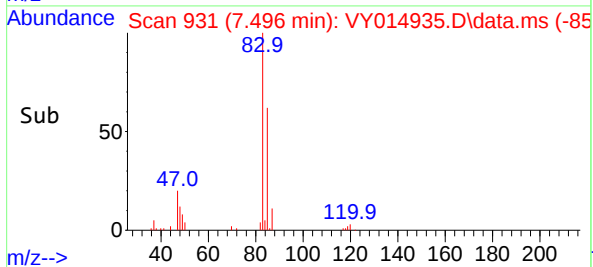
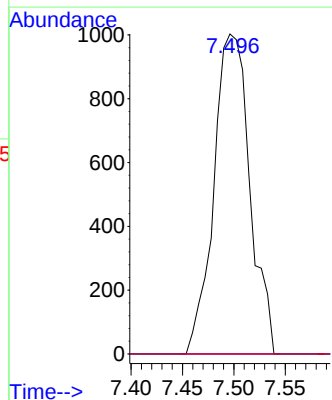
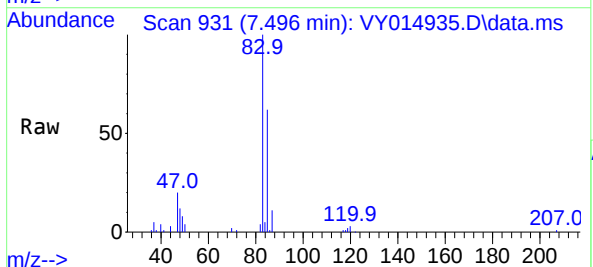


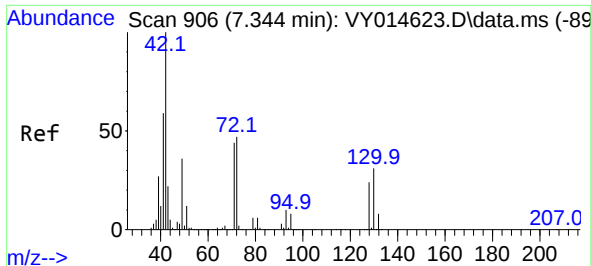
Tgt Ion: 84 Resp: 29950
Ion Ratio Lower Upper
84 100
49 122.0 106.9 160.3
51 37.2 33.2 49.8
86 60.6 51.0 76.6



#28
Bromochloromethane
Concen: 1.273 ug/l
RT: 7.496 min Scan# 931
Delta R.T. 0.170 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion: 49 Resp: 2448
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 60.7 91.1#

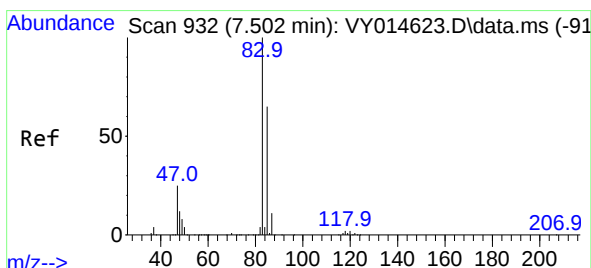
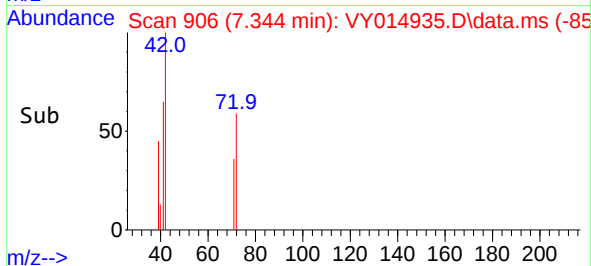
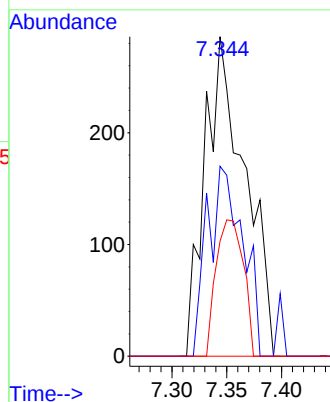
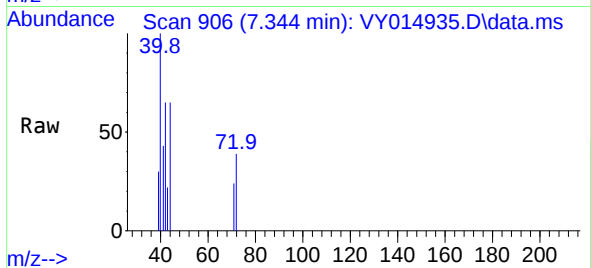




#29
Tetrahydrofuran
Concen: 1.019 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

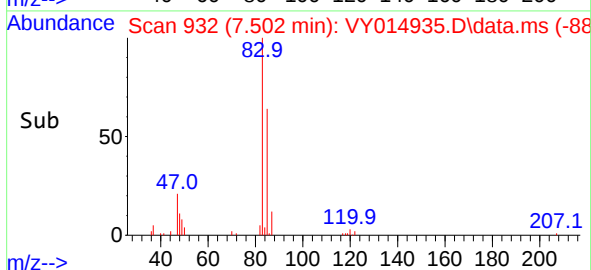
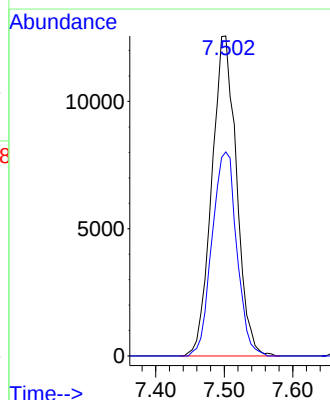
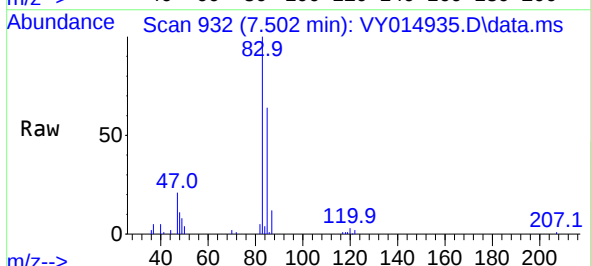
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-15-(5-10)

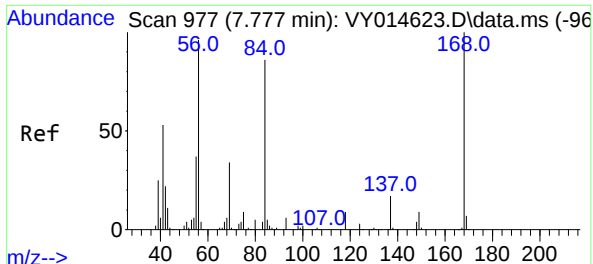
Tgt Ion: 42 Resp: 728
Ion Ratio Lower Upper
42 100
72 52.2 32.8 49.2#
71 29.0 31.0 46.4#



#30
Chloroform
Concen: 6.820 ug/l
RT: 7.502 min Scan# 932
Delta R.T. 0.000 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion: 83 Resp: 31405
Ion Ratio Lower Upper
83 100
85 63.8 49.7 74.5

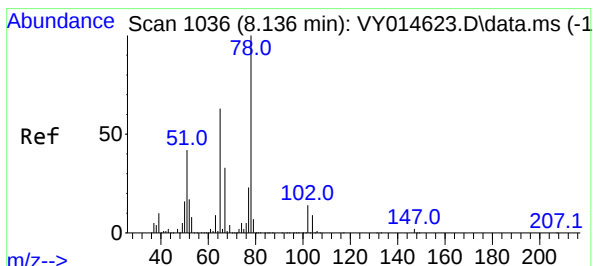
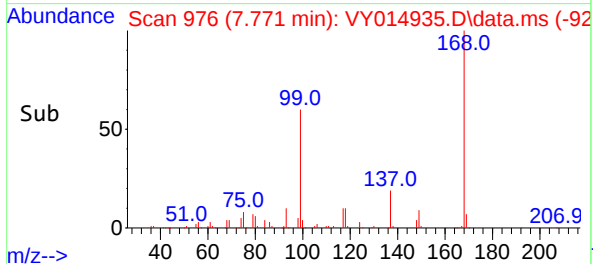
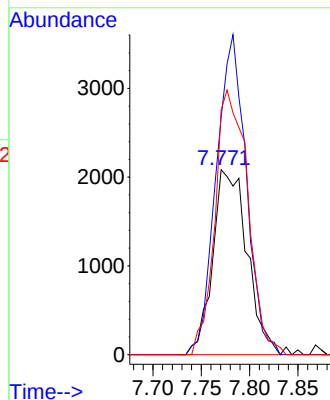
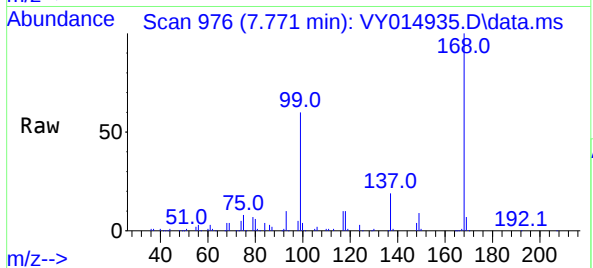




#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

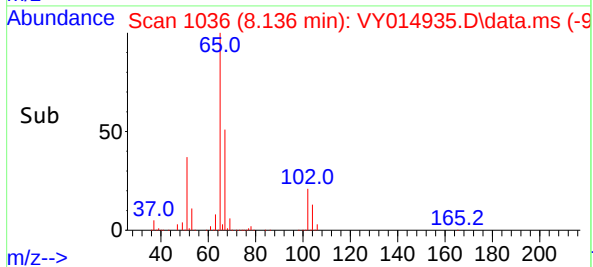
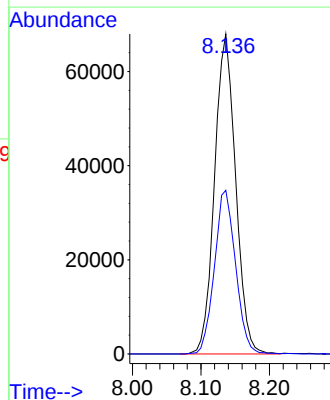
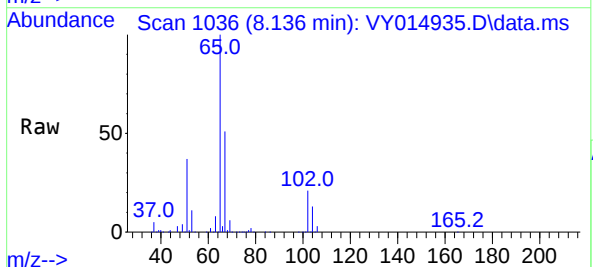
Instrument :
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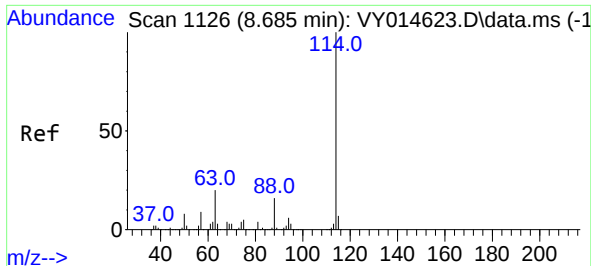
Tgt Ion: 56 Resp: 5153
Ion Ratio Lower Upper
56 100
69 128.2 27.8 41.6#
84 132.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.920 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion: 65 Resp: 144897
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.8

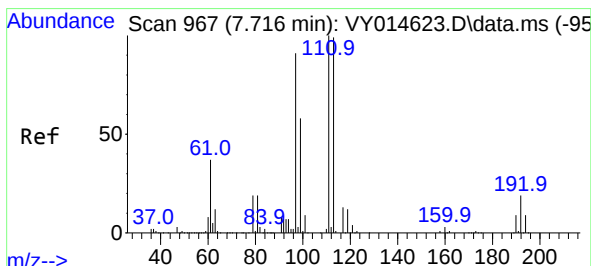
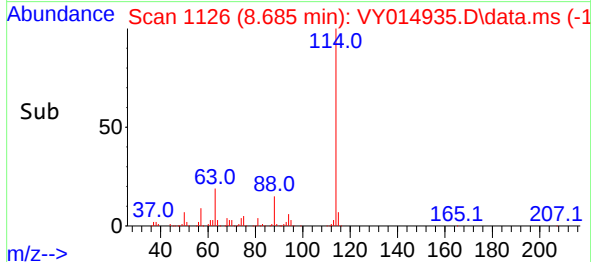
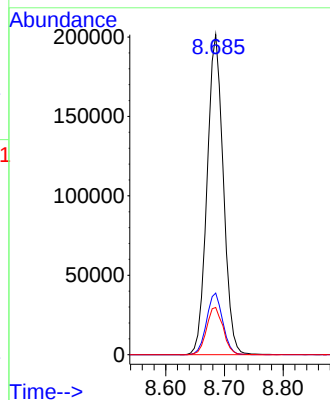
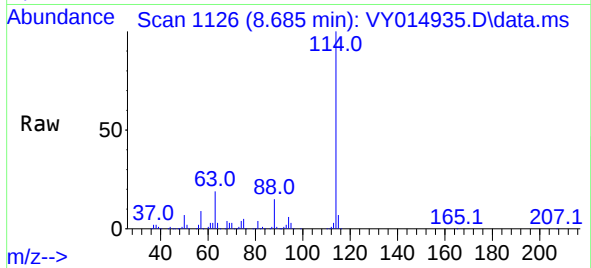




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

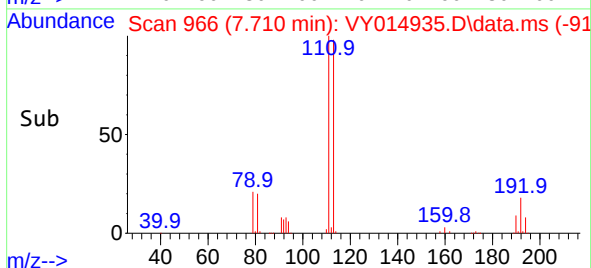
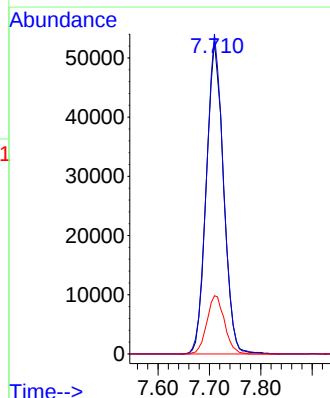
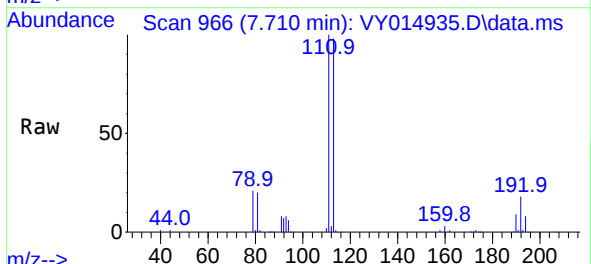
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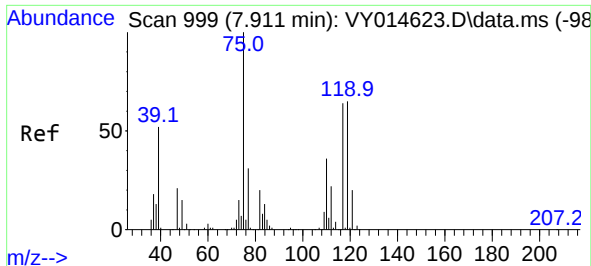
Tgt Ion:	114	Resp:	386299
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.4
88	14.7	0.0	30.6



#35
Dibromofluoromethane
Concen: 49.616 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion:	113	Resp:	122010
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.3	121.9
192	19.2	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.681 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY014935.D

Acq: 02 Aug 2023 16:53

Instrument :

MSVOA_Y

ClientSampleId :

BUILDING-B-15-(5-10)

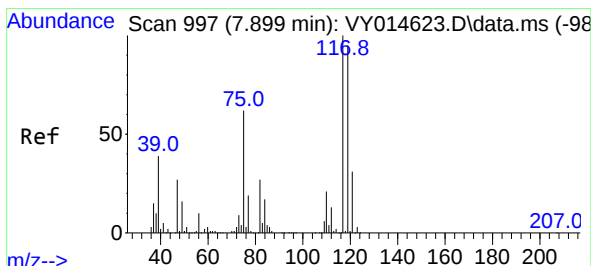
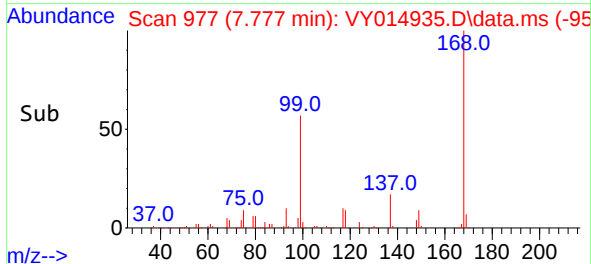
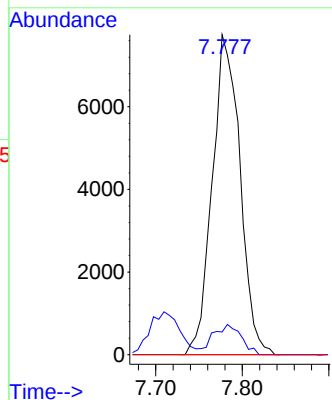
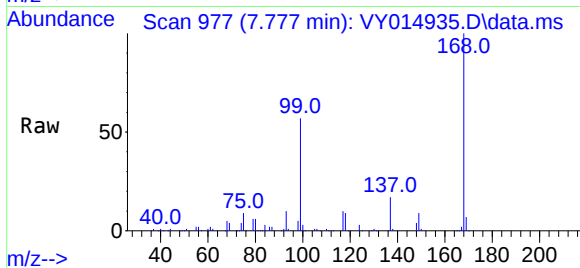
Tgt Ion: 75 Resp: 17216

Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.521 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.122 min

Lab File: VY014935.D

Acq: 02 Aug 2023 16:53

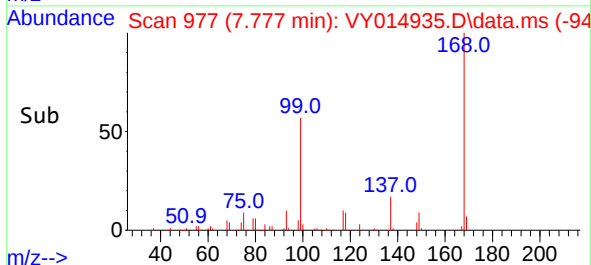
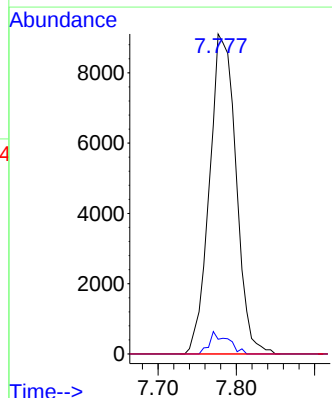
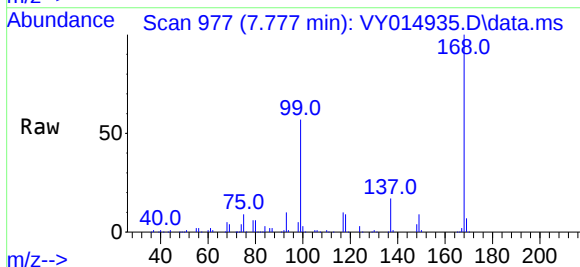
Tgt Ion: 117 Resp: 21463

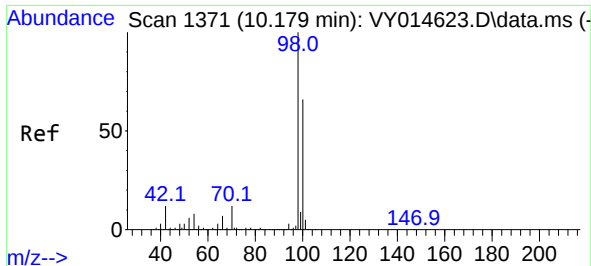
Ion Ratio Lower Upper

117 100

119 4.6 76.4 114.6#

121 0.0 25.8 38.6#

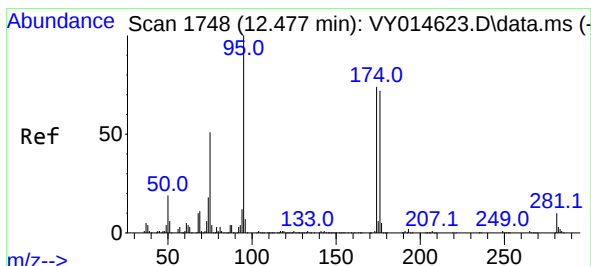
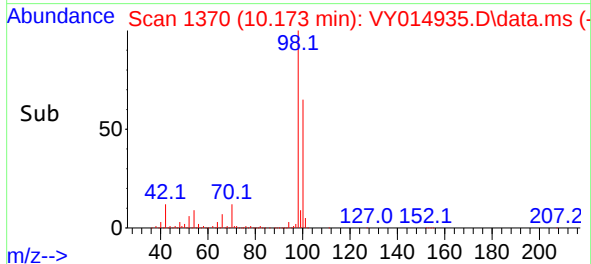
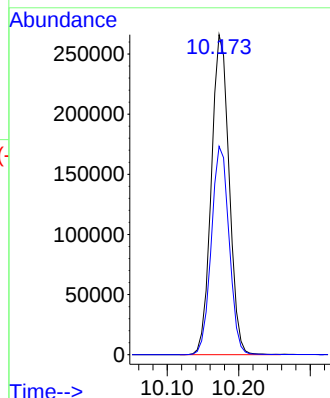
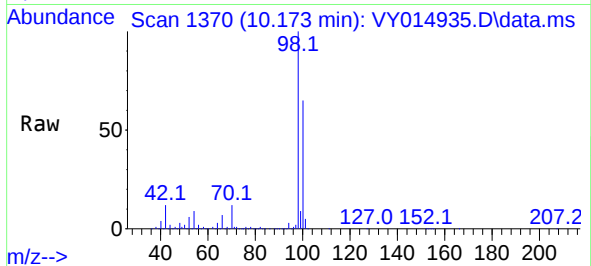




#50
Toluene-d8
Concen: 50.659 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

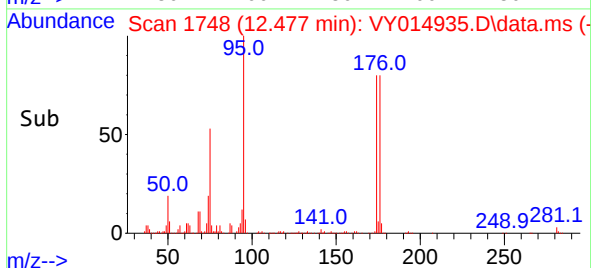
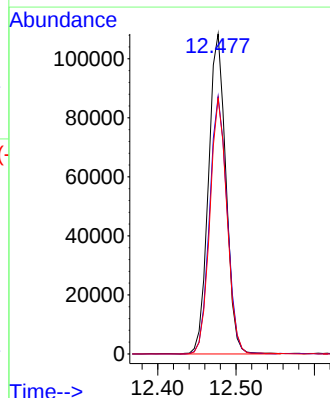
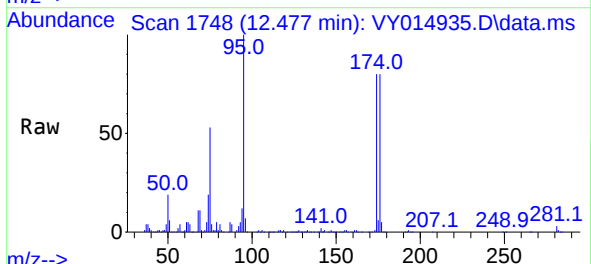
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-15-(5-10)

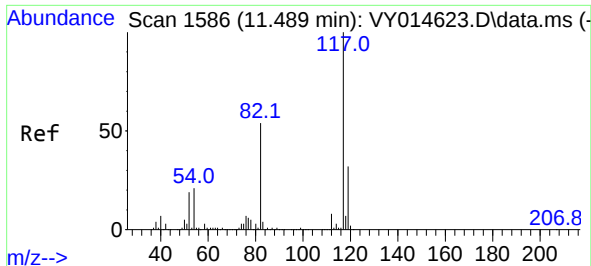
Tgt Ion: 98 Resp: 459281
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.177 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion: 95 Resp: 167478
Ion Ratio Lower Upper
95 100
174 80.7 0.0 178.2
176 78.5 0.0 173.8

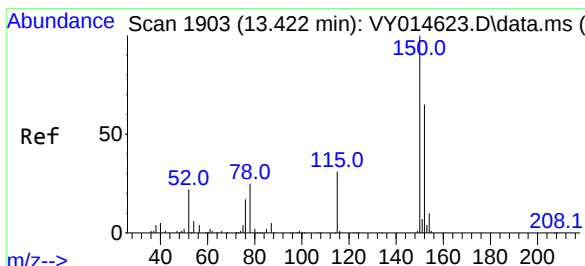
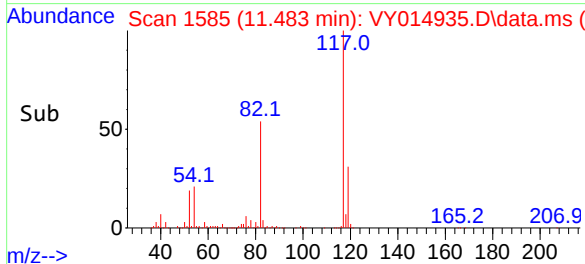
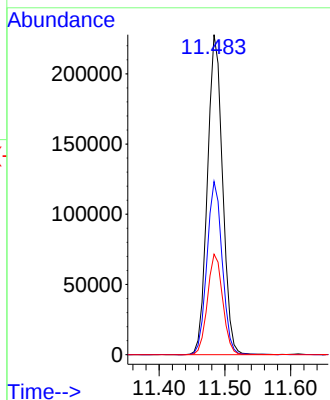
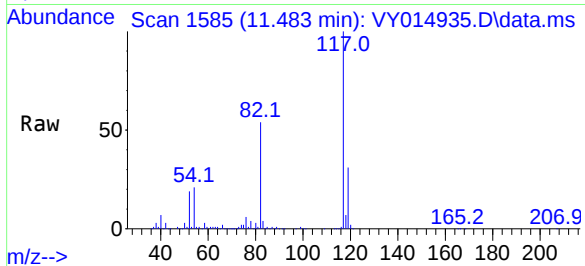




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

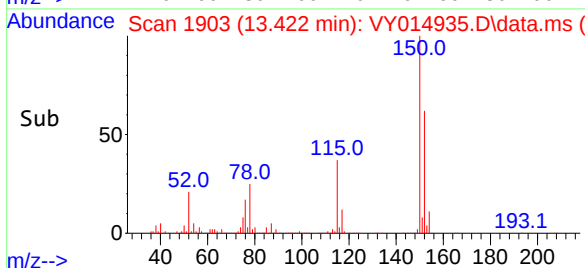
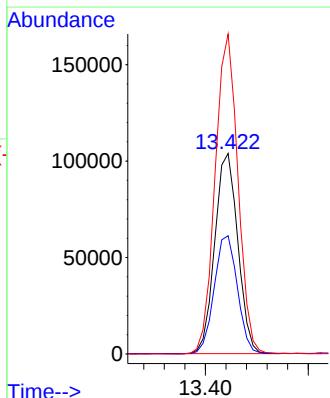
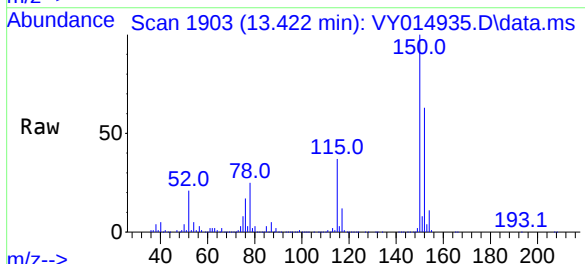
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-15-(5-10)

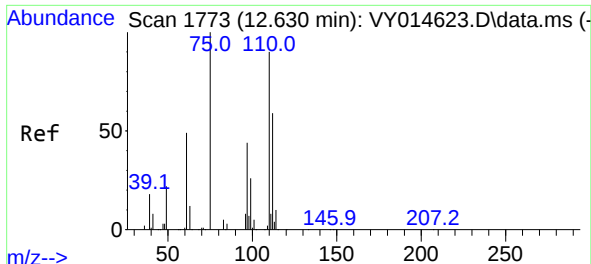
Tgt Ion:117 Resp: 365665
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion:152 Resp: 161716
Ion Ratio Lower Upper
152 100
115 59.4 28.8 86.5
150 158.3 0.0 348.8

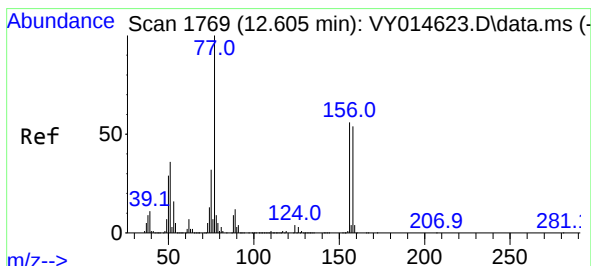
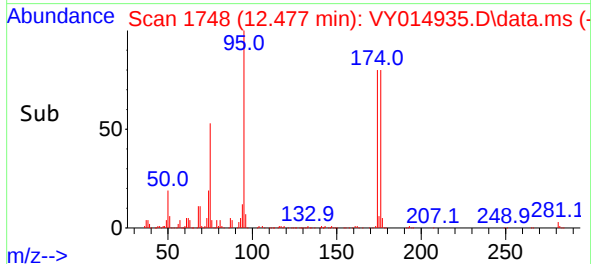
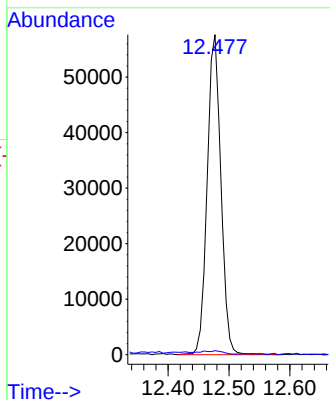
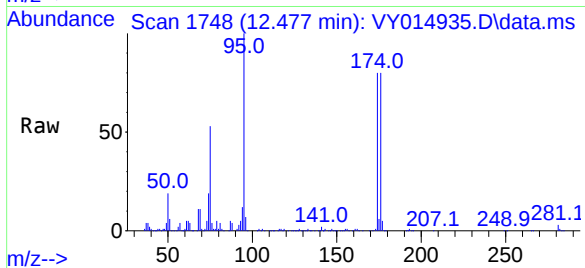




#76
1,2,3-Trichloropropane
Concen: 44.032 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

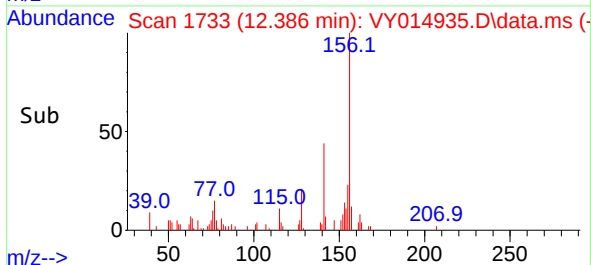
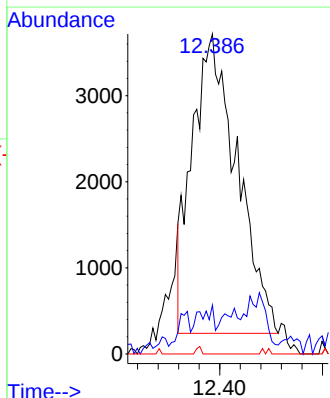
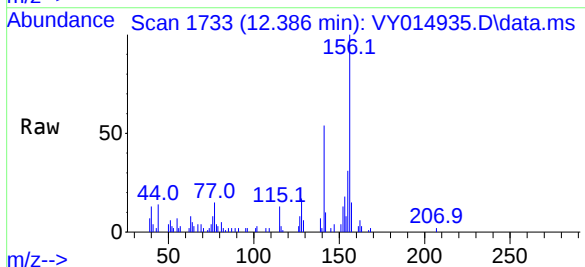
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-15-(5-10)

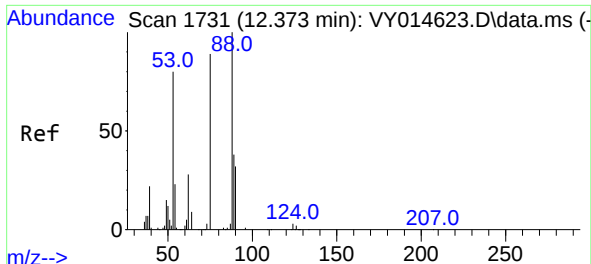
Tgt Ion: 75 Resp: 89933
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#77
Bromobenzene
Concen: 7.303 ug/l
RT: 12.386 min Scan# 1733
Delta R.T. -0.219 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion: 156 Resp: 21108
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 0.0 48.4 145.3#

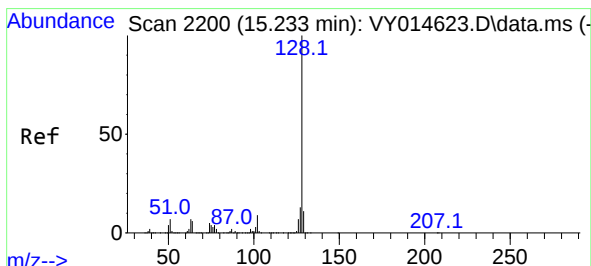
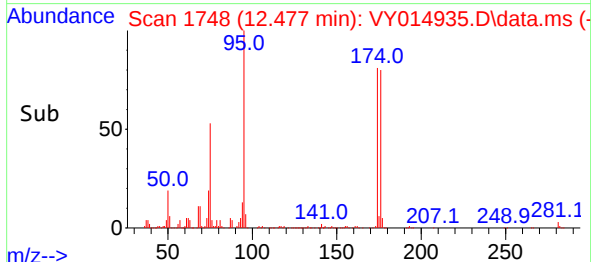
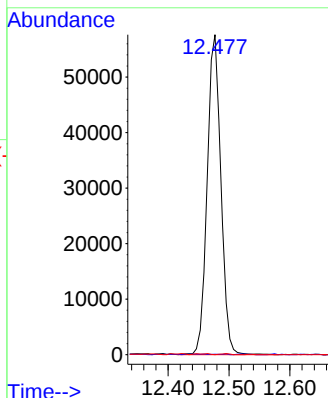
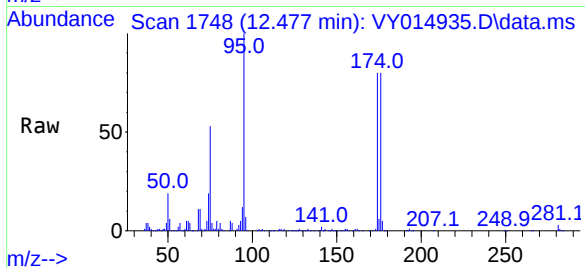




#81
trans-1,4-Dichloro-2-butene
Concen: 85.255 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-15-(5-10)

Tgt Ion: 75 Resp: 89933
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#



#95
Naphthalene
Concen: 4.395 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014935.D
Acq: 02 Aug 2023 16:53

Tgt Ion:128 Resp: 33504
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 11.1 8.6 13.0

