

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014938.D
 Acq On : 02 Aug 2023 18:04
 Operator : SY/MD
 Sample : 03862-02
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-3-(5-10)

Quant Time: Aug 03 02:46:01 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)

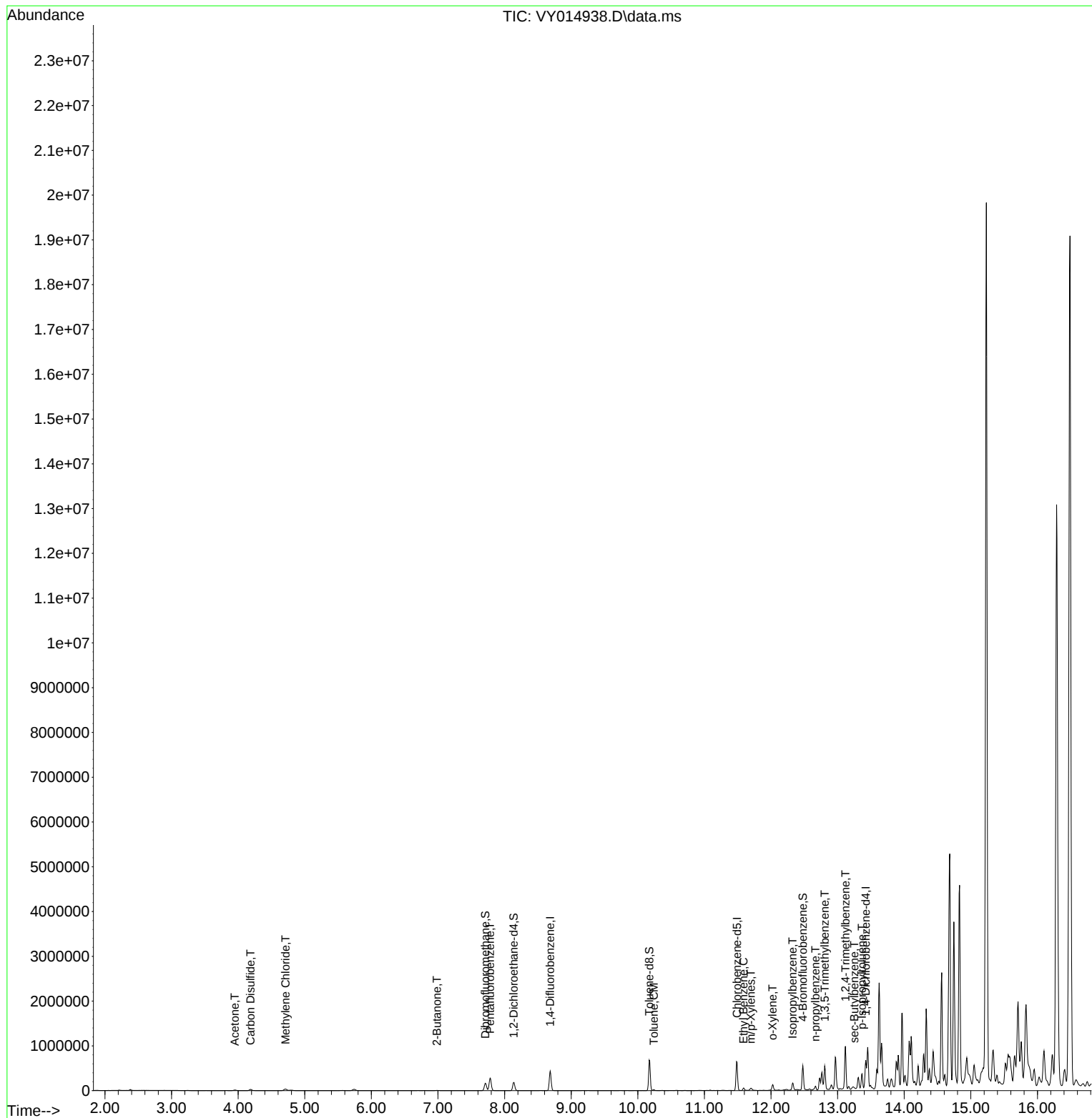
Internal Standards						
1) Pentafluorobenzene	7.783	168	215751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	379608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	355730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	141796	57.674	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.340%
35) Dibromofluoromethane	7.710	113	118388	48.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.980%
50) Toluene-d8	10.173	98	449616	50.467	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.477	95	159703	46.750	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.500%
Target Compounds						
						Qvalue
16) Acetone	3.948	43	24122	30.962	ug/l #	89
17) Carbon Disulfide	4.186	76	53806	8.846	ug/l #	94
20) Methylene Chloride	4.710	84	26449	6.802	ug/l #	83
25) 2-Butanone	6.984	43	6280	5.510	ug/l	99
52) Toluene	10.240	92	8172	1.243	ug/l	91
67) Ethyl Benzene	11.587	91	37632	2.750	ug/l	99
68) m/p-Xylenes	11.697	106	13880	2.657	ug/l	99
69) o-Xylene	12.026	106	32804	6.446	ug/l	99
73) Isopropylbenzene	12.325	105	84563	6.887	ug/l	100
78) n-propylbenzene	12.666	91	65695	4.440	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	236045	23.019	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	507089	50.390	ug/l	98
85) sec-Butylbenzene	13.251	105	17218	1.290	ug/l #	77
86) p-Isopropyltoluene	13.367	119	153803	14.117	ug/l	98

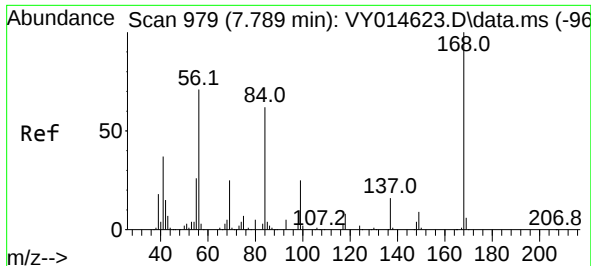
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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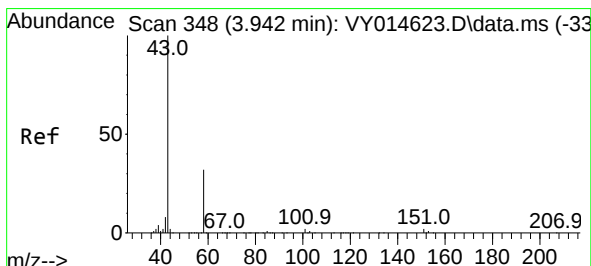
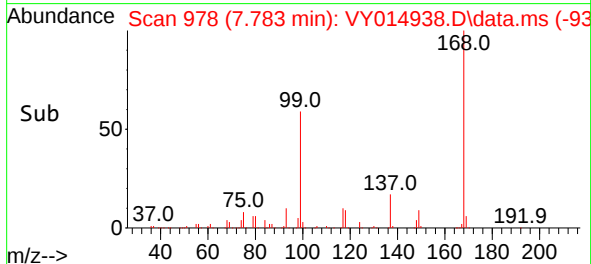
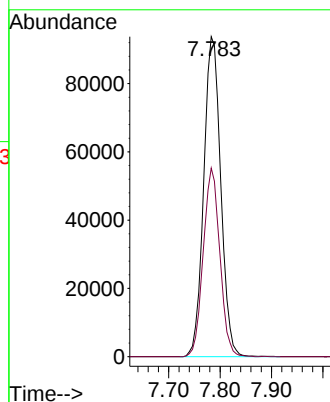
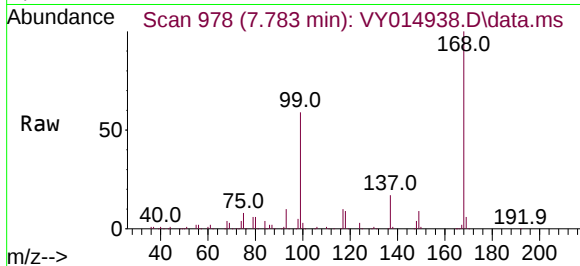




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

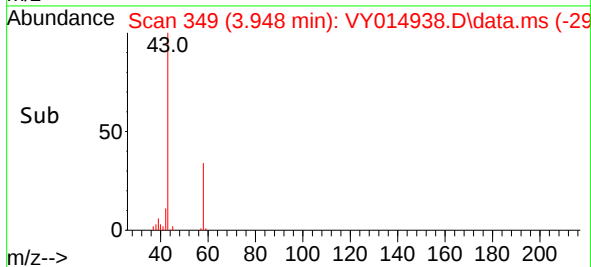
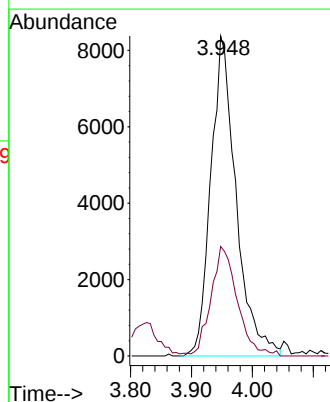
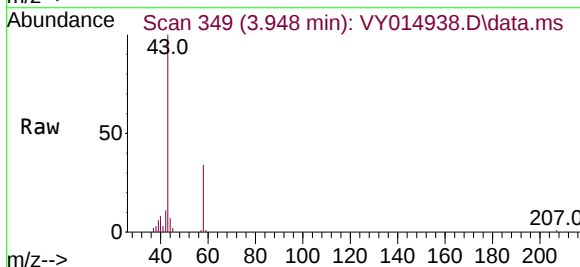
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-3-(5-10)

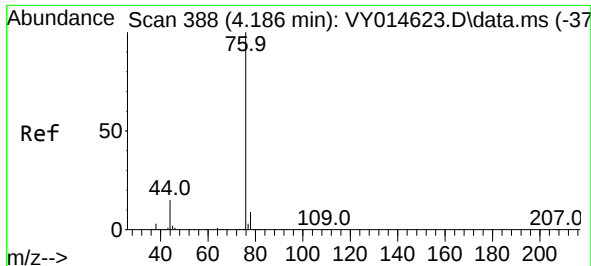
Tgt Ion:168 Resp: 215751
Ion Ratio Lower Upper
168 100
99 58.9 43.4 65.0



#16
Acetone
Concen: 30.962 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

Tgt Ion: 43 Resp: 24122
Ion Ratio Lower Upper
43 100
58 34.2 22.7 34.1#

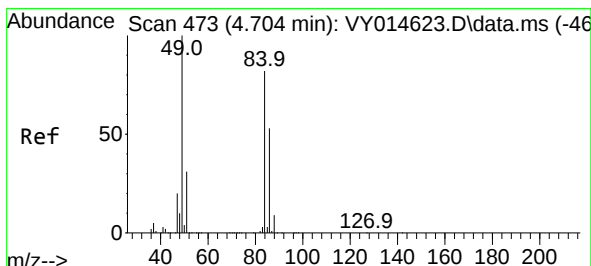
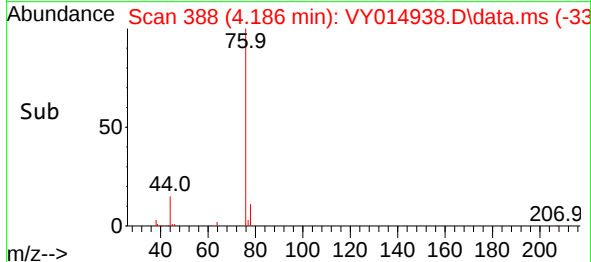
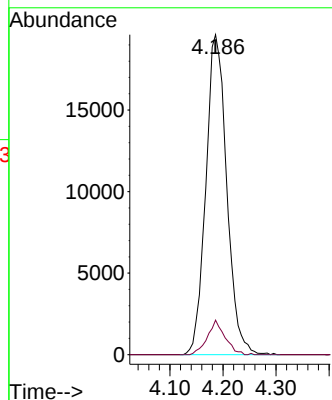
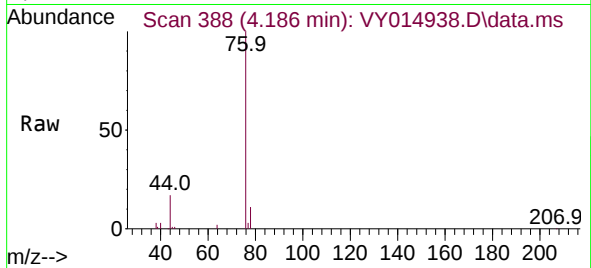




#17
Carbon Disulfide
Concen: 8.846 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

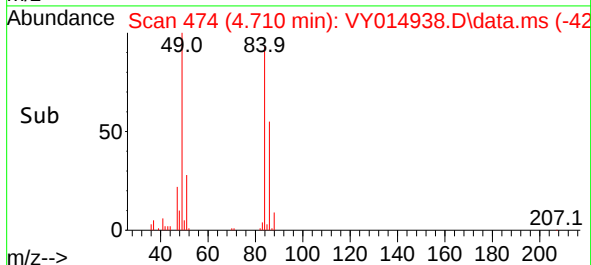
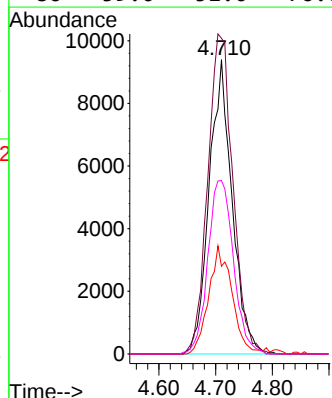
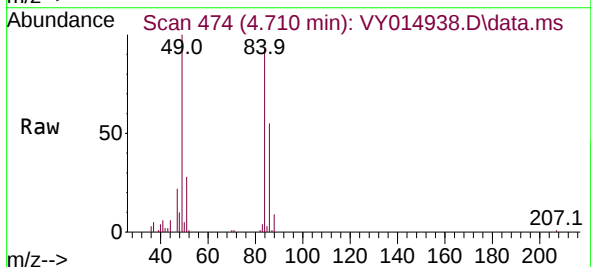
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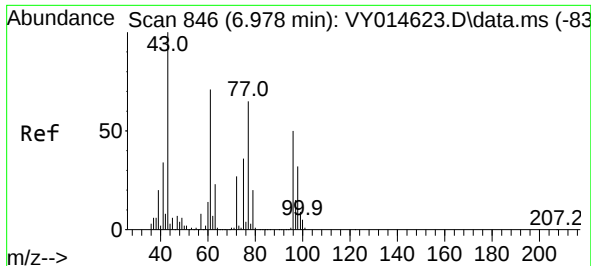
Tgt Ion: 76 Resp: 53806
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.4#



#20
Methylene Chloride
Concen: 6.802 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

Tgt Ion: 84 Resp: 26449
Ion Ratio Lower Upper
84 100
49 107.3 106.9 160.3
51 29.8 33.2 49.8#
86 59.0 51.0 76.6

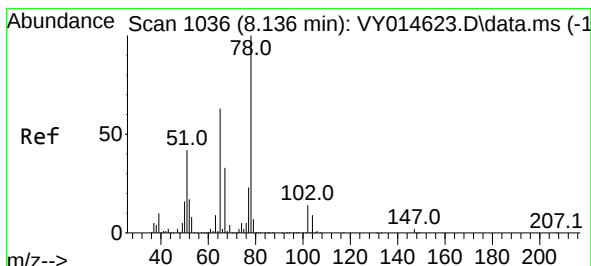
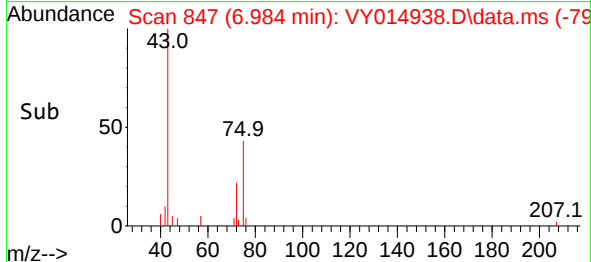
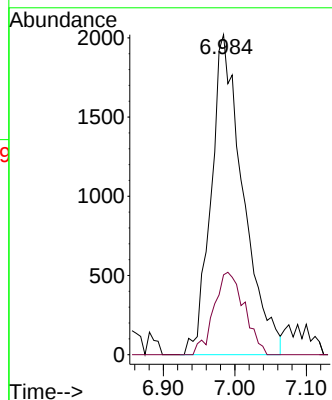
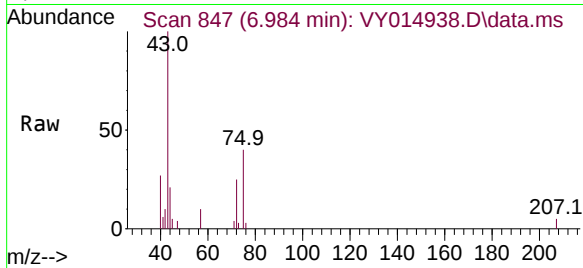




#25
2-Butanone
Concen: 5.510 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

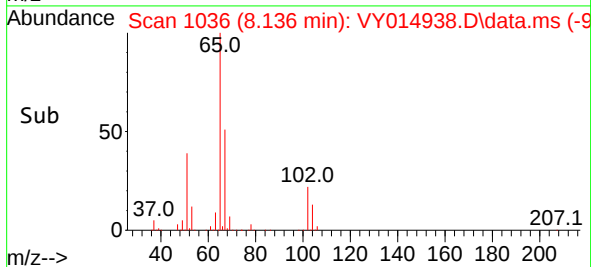
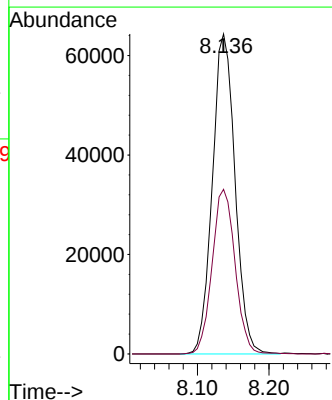
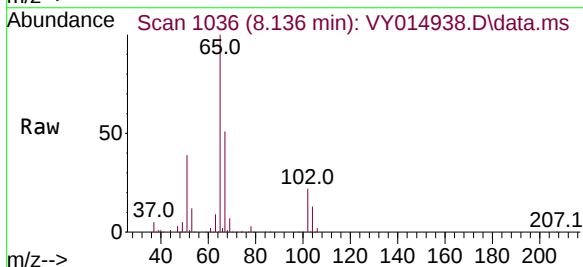
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-3-(5-10)

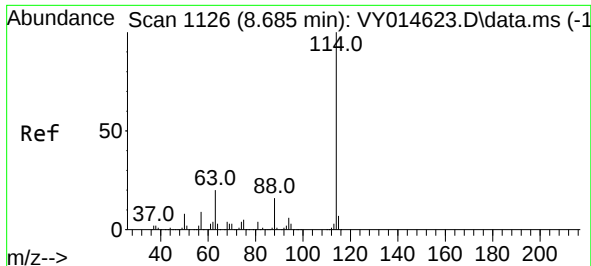
Tgt Ion: 43 Resp: 6280
Ion Ratio Lower Upper
43 100
72 25.0 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 57.674 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

Tgt Ion: 65 Resp: 141796
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8

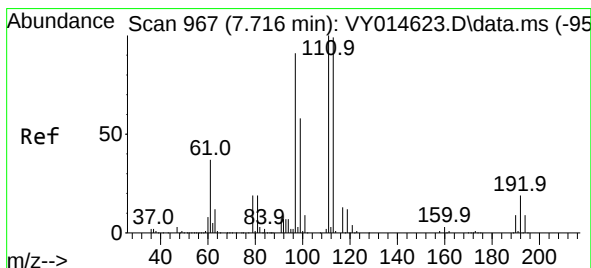
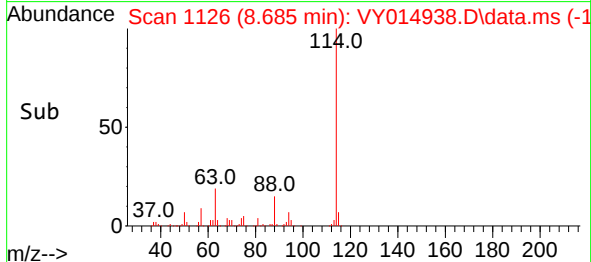
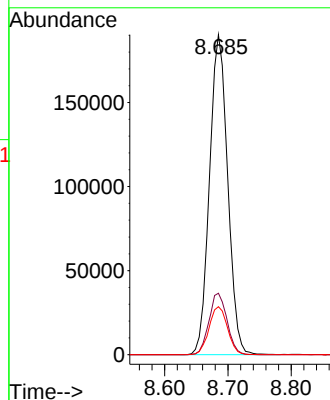
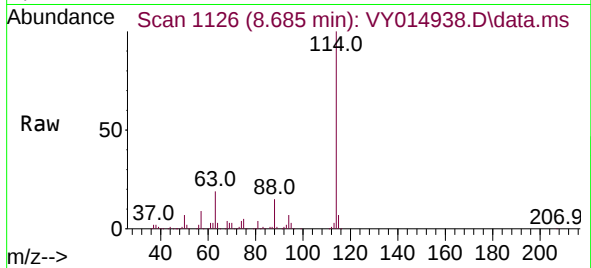




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

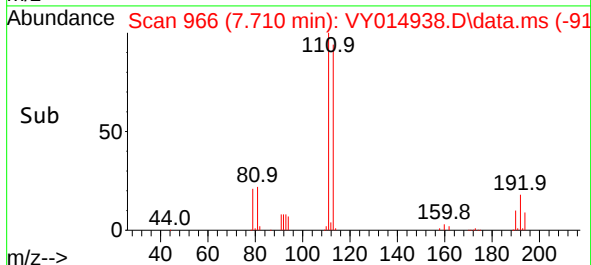
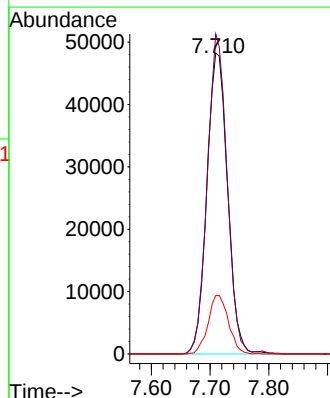
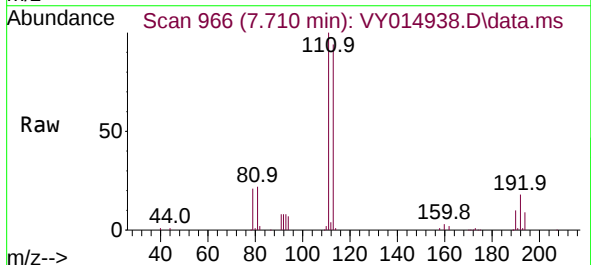
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-3-(5-10)

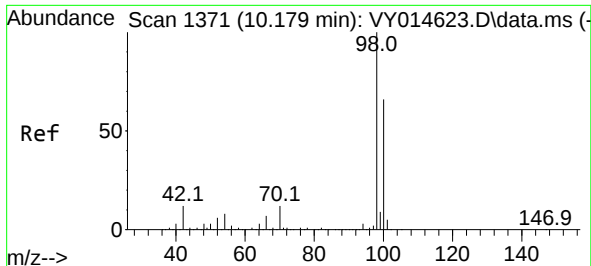
Tgt Ion:	114	Resp:	379608
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.4
88	15.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.992 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

Tgt Ion:	113	Resp:	118388
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.3	121.9
192	19.1	16.9	25.3

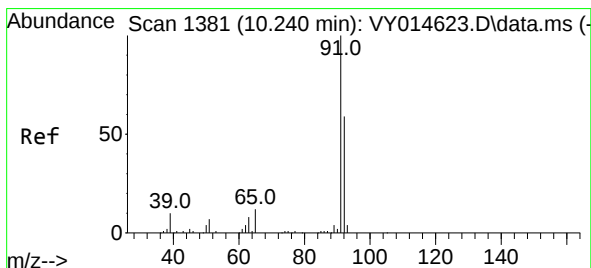
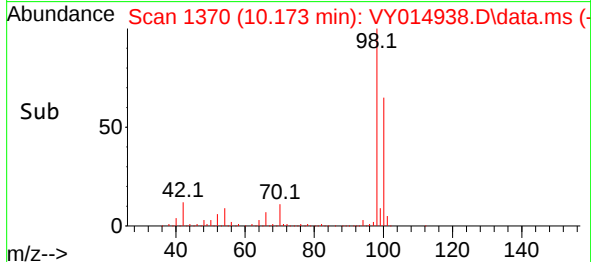
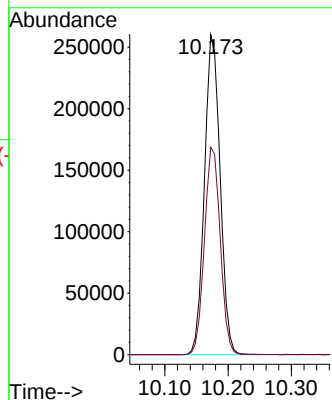
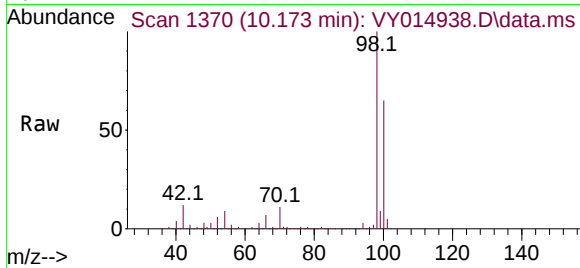




#50
Toluene-d8
Concen: 50.467 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

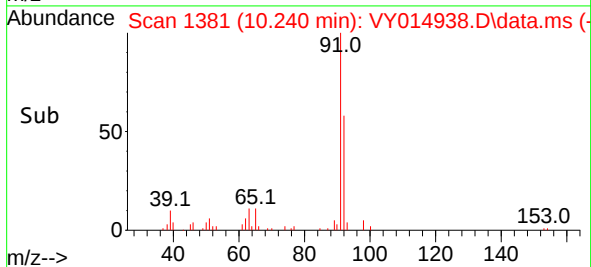
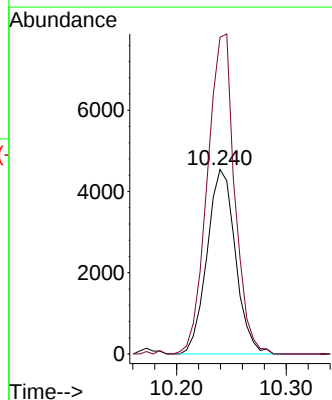
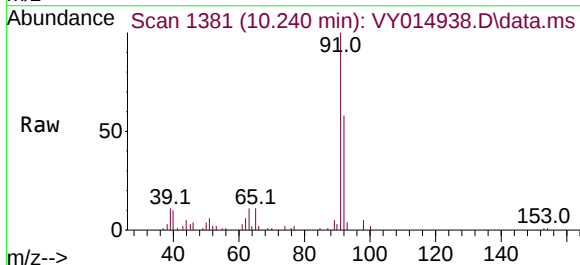
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BUILDING-B-3-(5-10)

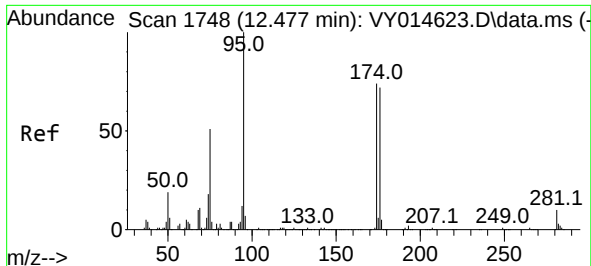
Tgt Ion: 98 Resp: 449616
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#52
Toluene
Concen: 1.243 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

Tgt Ion: 92 Resp: 8172
Ion Ratio Lower Upper
92 100
91 167.4 143.8 215.6

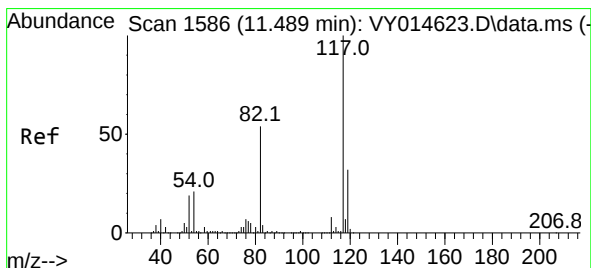
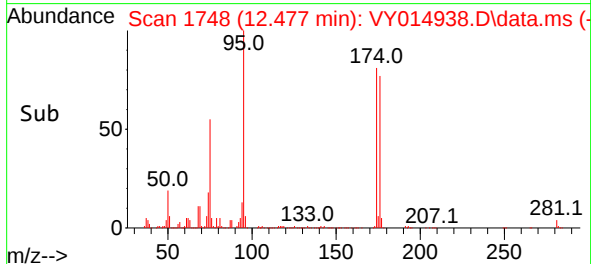
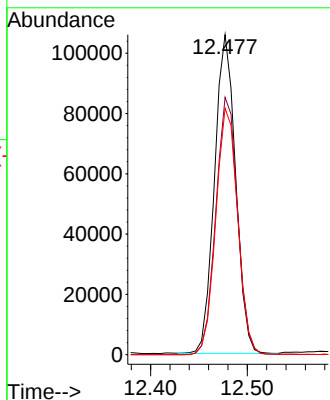
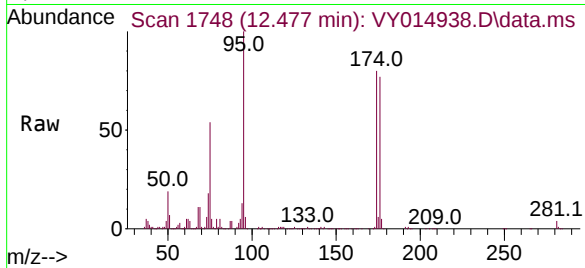




#62
4-Bromofluorobenzene
Concen: 46.750 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

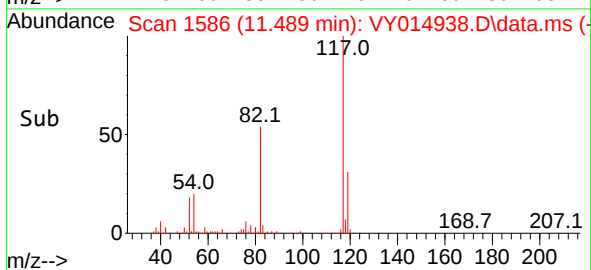
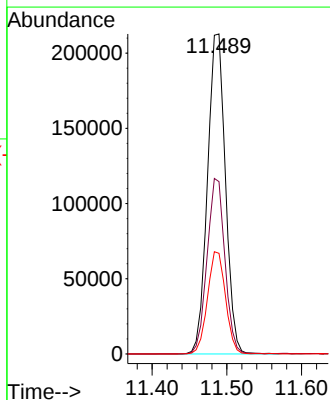
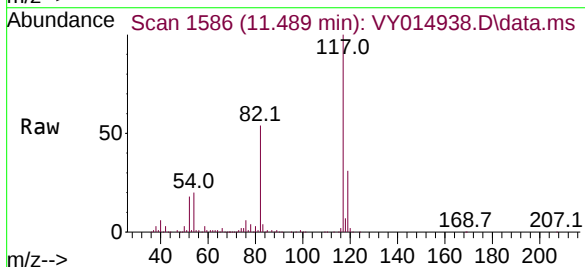
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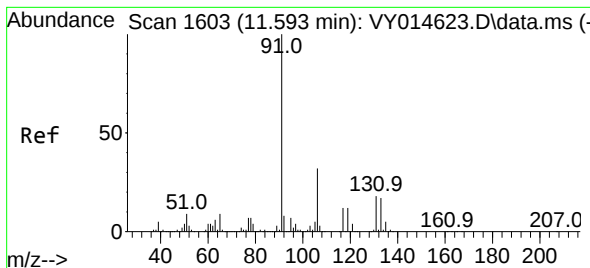
Tgt Ion: 95 Resp: 159703
Ion Ratio Lower Upper
95 100
174 83.6 0.0 178.2
176 80.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

Tgt Ion: 117 Resp: 355730
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.4 26.3 39.5





#67

Ethyl Benzene

Concen: 2.750 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014938.D

Acq: 02 Aug 2023 18:04

Instrument :

MSVOA_Y

ClientSampleId :

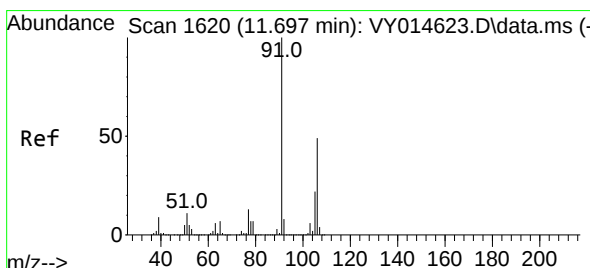
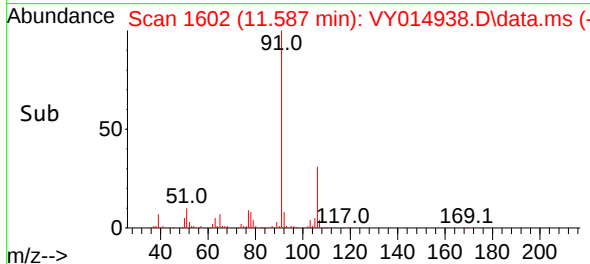
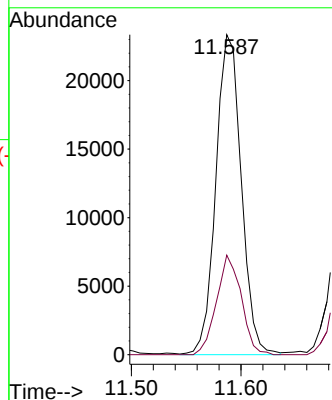
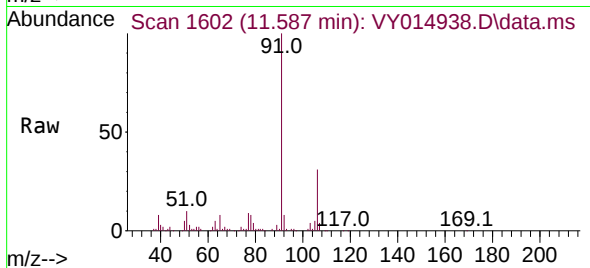
BUILDING-B-3-(5-10)

Tgt Ion: 91 Resp: 37632

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



#68

m/p-Xylenes

Concen: 2.657 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014938.D

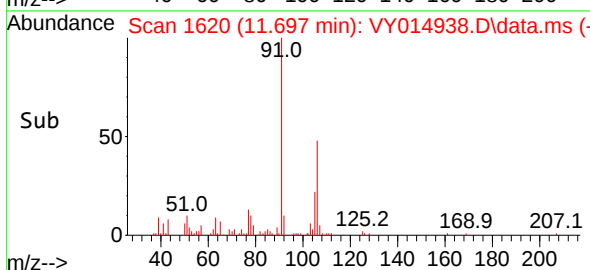
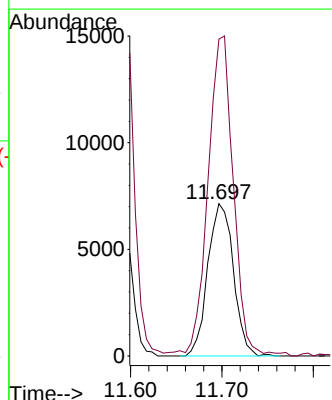
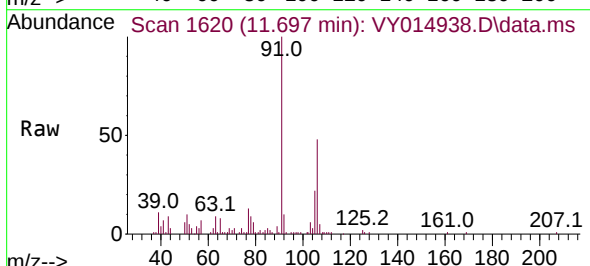
Acq: 02 Aug 2023 18:04

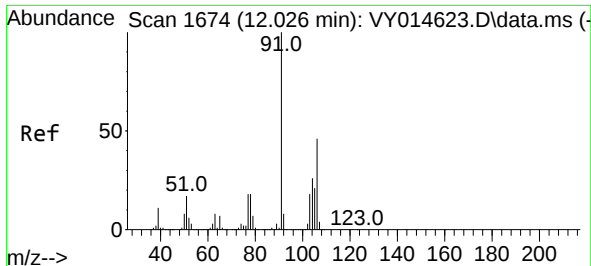
Tgt Ion:106 Resp: 13880

Ion Ratio Lower Upper

106 100

91 208.8 166.1 249.1

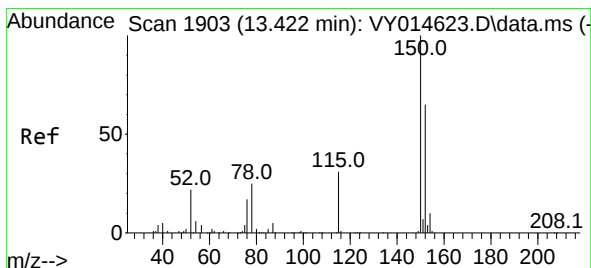
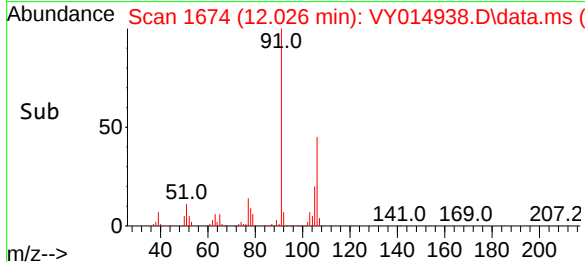
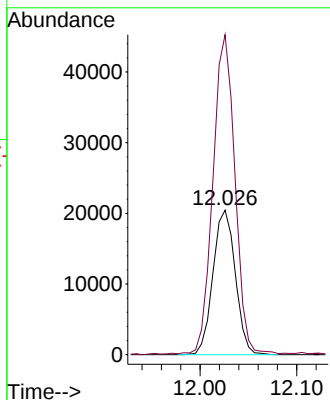
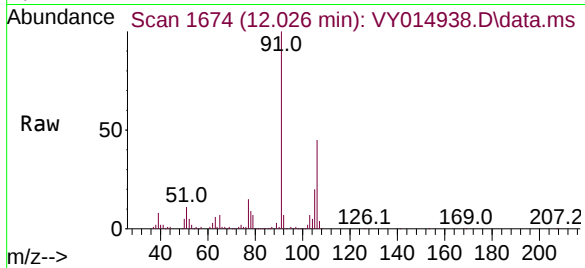




#69
o-Xylene
Concen: 6.446 ug/l
RT: 12.026 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

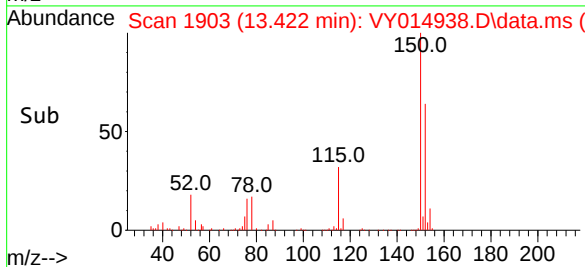
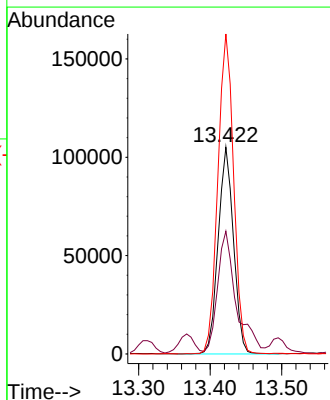
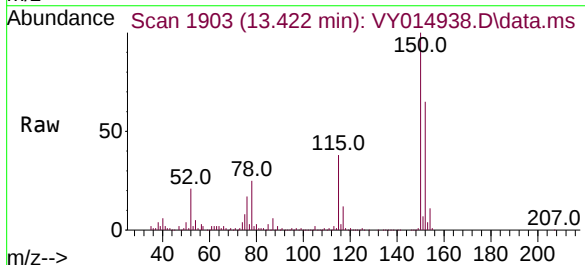
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-3-(5-10)

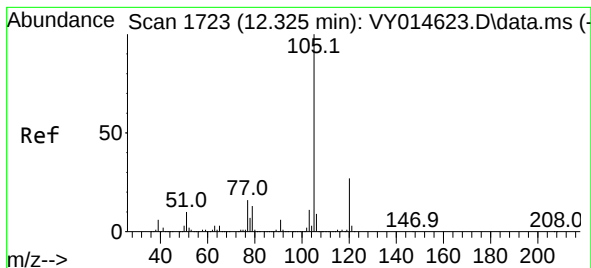
Tgt Ion:106 Resp: 32804
Ion Ratio Lower Upper
106 100
91 217.4 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

Tgt Ion:152 Resp: 156812
Ion Ratio Lower Upper
152 100
115 69.7 28.8 86.5
150 159.1 0.0 348.8





#73

Isopropylbenzene

Concen: 6.887 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY014938.D

Acq: 02 Aug 2023 18:04

Instrument :

MSVOA_Y

ClientSampleId :

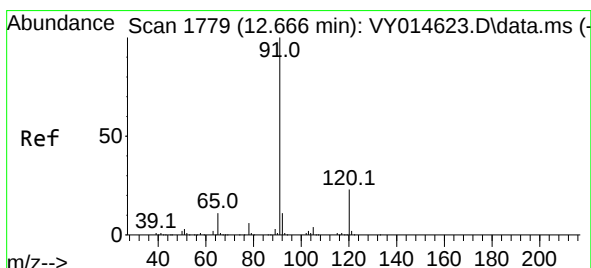
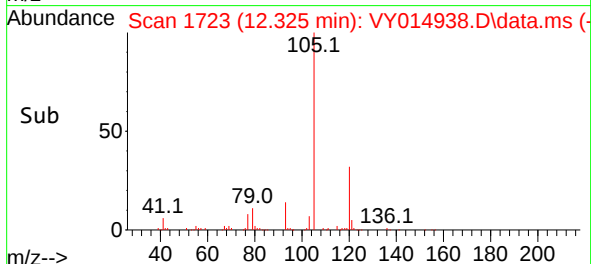
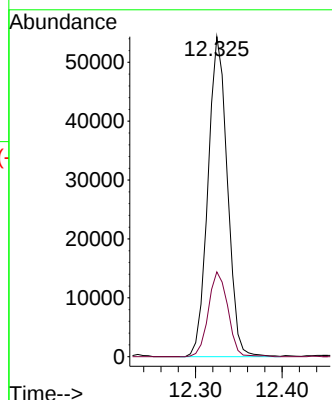
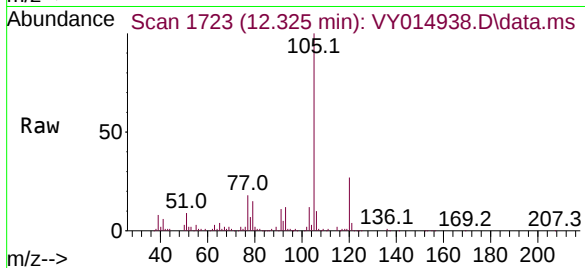
BUILDING-B-3-(5-10)

Tgt Ion:105 Resp: 84563

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#78

n-propylbenzene

Concen: 4.440 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VY014938.D

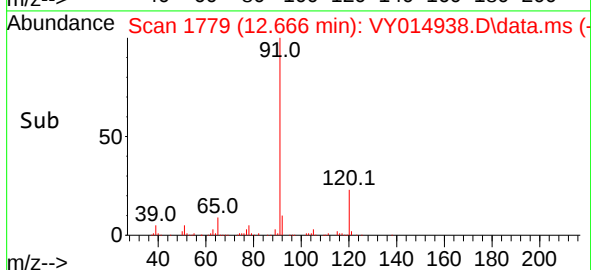
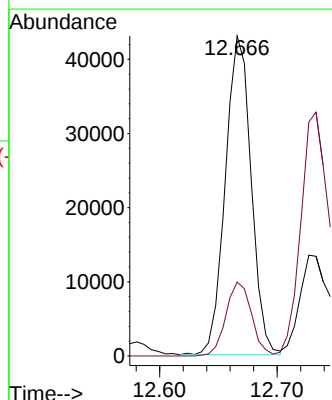
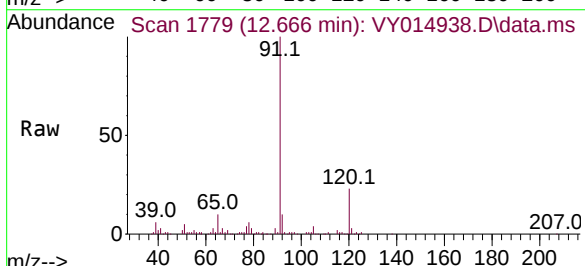
Acq: 02 Aug 2023 18:04

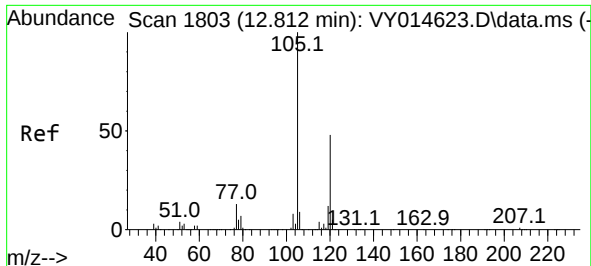
Tgt Ion: 91 Resp: 65695

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4

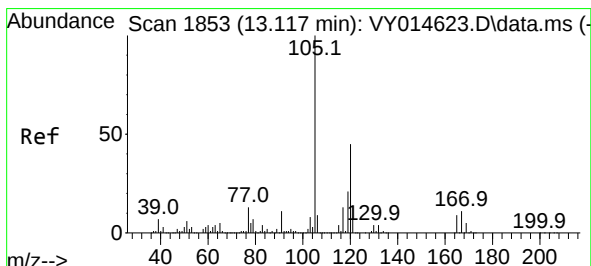
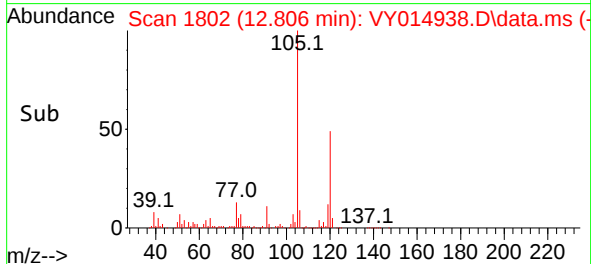
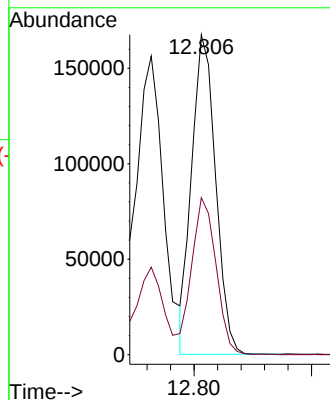
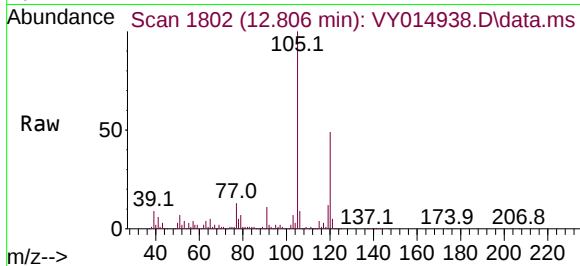




#80
1,3,5-Trimethylbenzene
Concen: 23.019 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

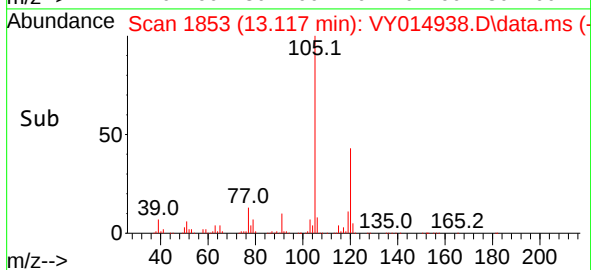
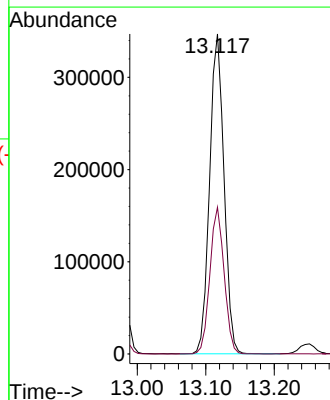
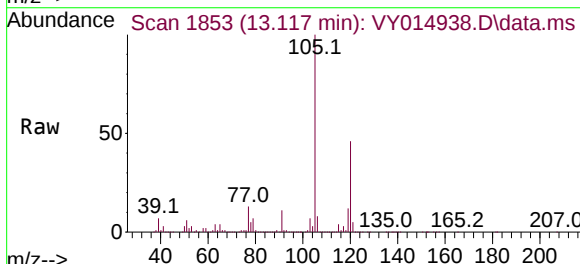
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-3-(5-10)

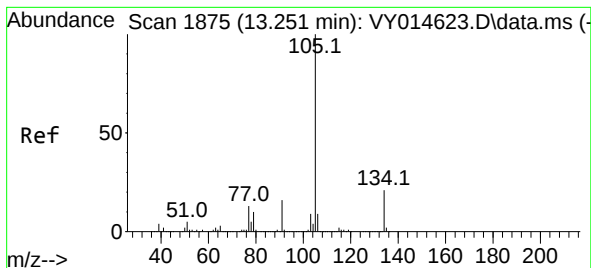
Tgt Ion:105 Resp: 236045
Ion Ratio Lower Upper
105 100
120 51.4 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 50.390 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY014938.D
Acq: 02 Aug 2023 18:04

Tgt Ion:105 Resp: 507089
Ion Ratio Lower Upper
105 100
120 45.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.290 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014938.D

Acq: 02 Aug 2023 18:04

Instrument :

MSVOA_Y

ClientSampleId :

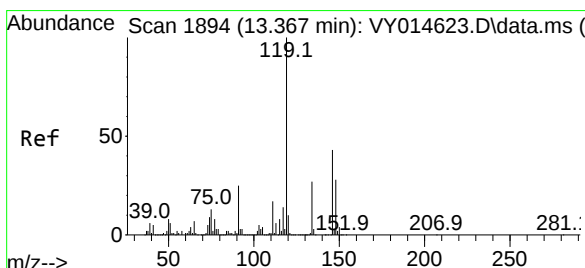
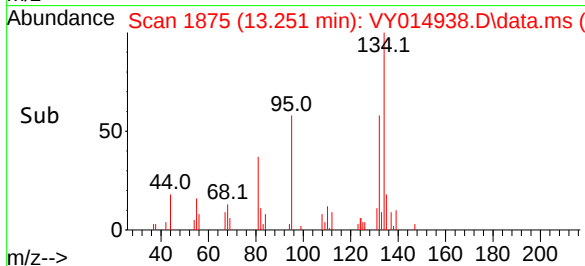
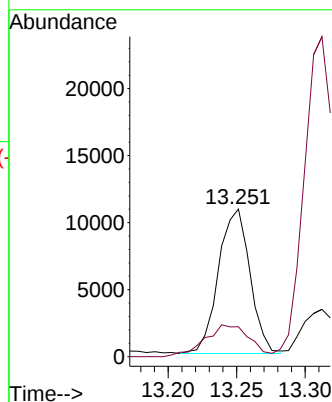
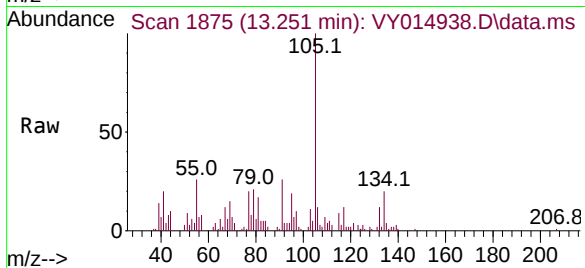
BUILDING-B-3-(5-10)

Tgt Ion:105 Resp: 17218

Ion Ratio Lower Upper

105 100

134 31.2 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 14.117 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014938.D

Acq: 02 Aug 2023 18:04

Tgt Ion:119 Resp: 153803

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 26.9 12.4 37.4

