

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 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)

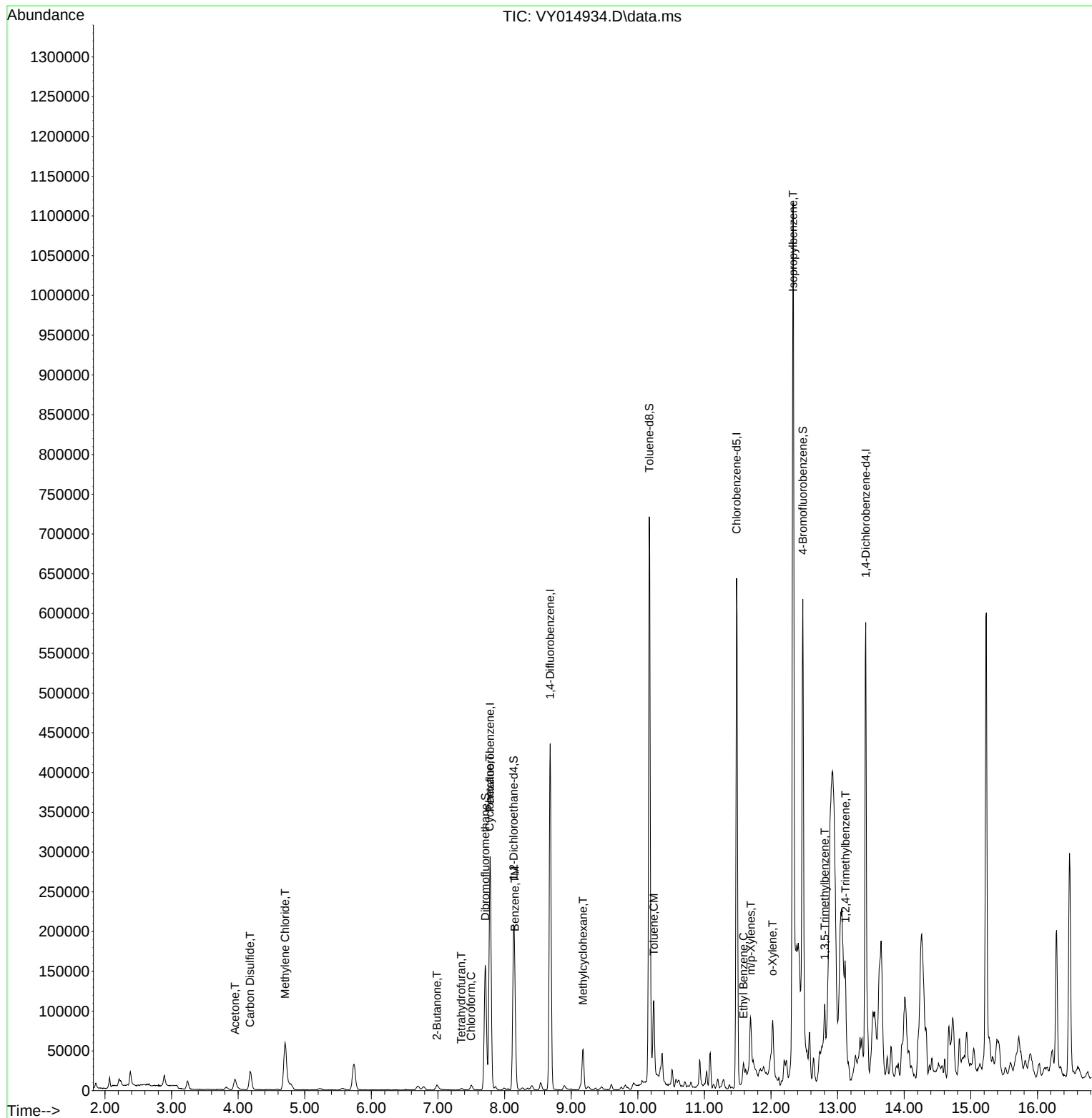
Internal Standards						
1) Pentafluorobenzene	7.783	168	213669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	341452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
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
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
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
80) 1,3,5-Trimethylbenzene	12.806	105	26805	2.704	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	42296	4.347	ug/l	98

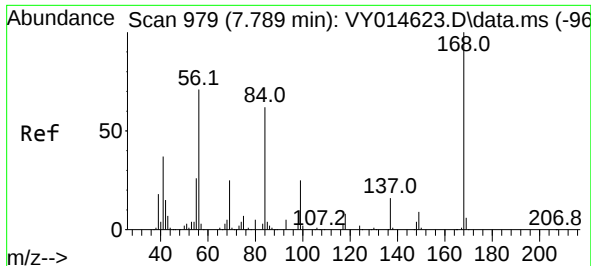
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BUILDING-B-9-(5-10)

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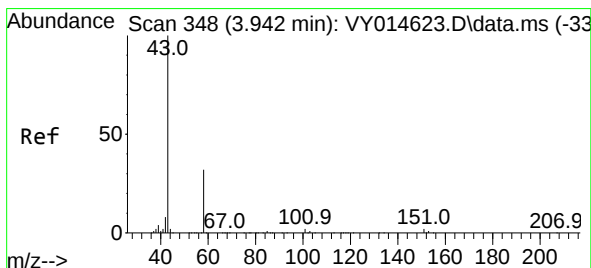
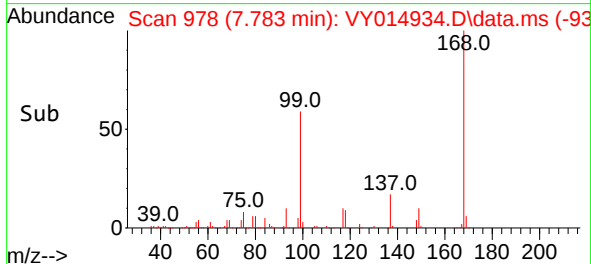
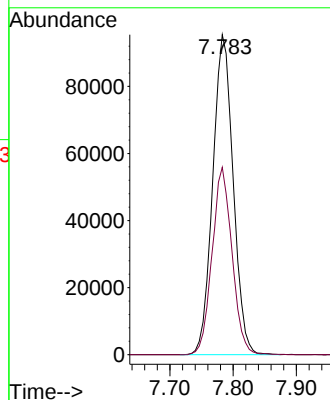
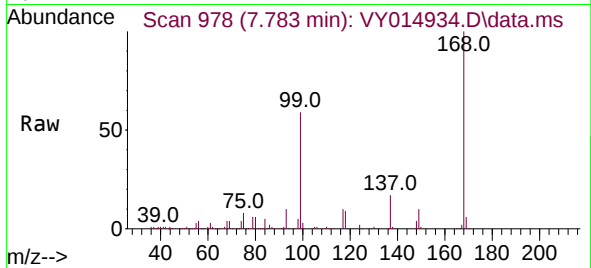




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

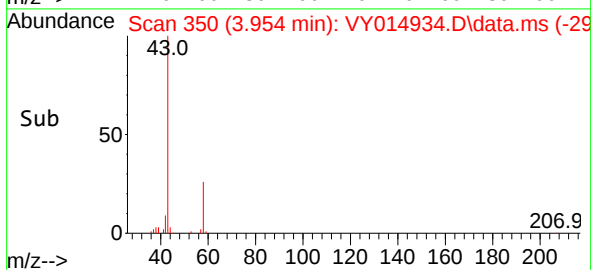
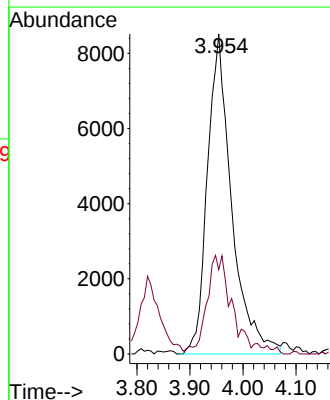
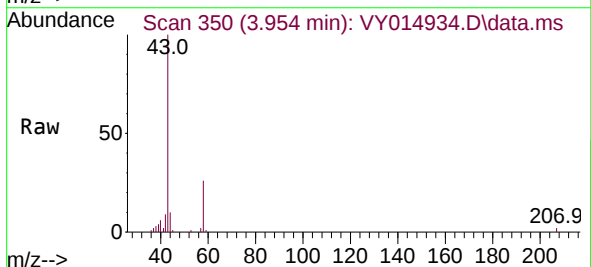
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

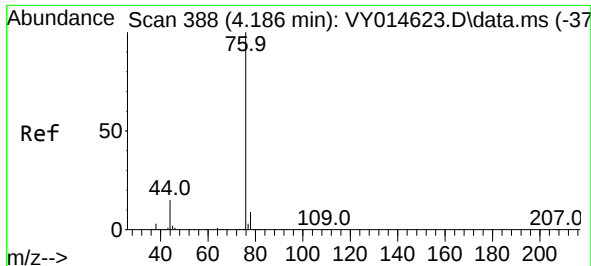
Tgt Ion:168 Resp: 213669
Ion Ratio Lower Upper
168 100
99 58.5 43.4 65.0



#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

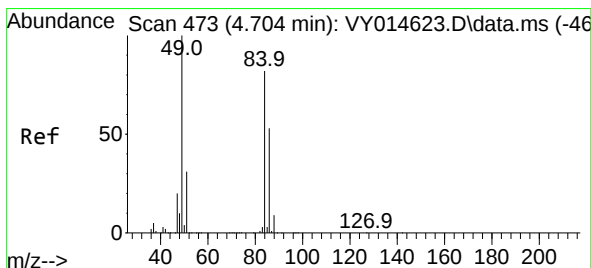
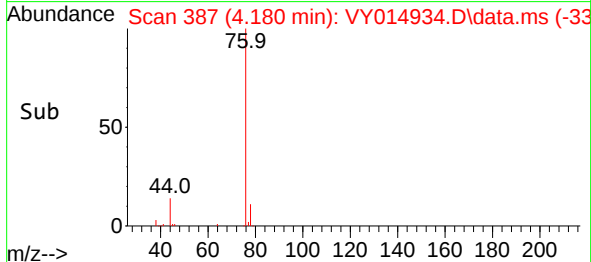
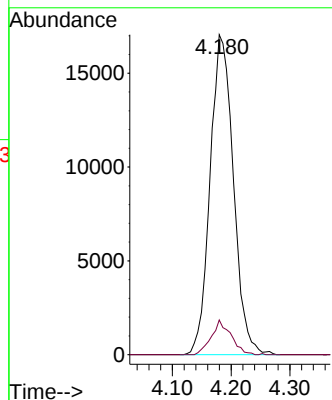
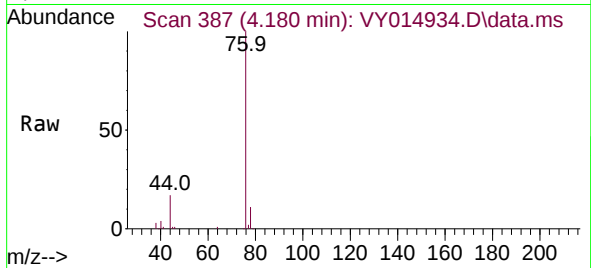




#17
Carbon Disulfide
Concen: 7.799 ug/l
RT: 4.180 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

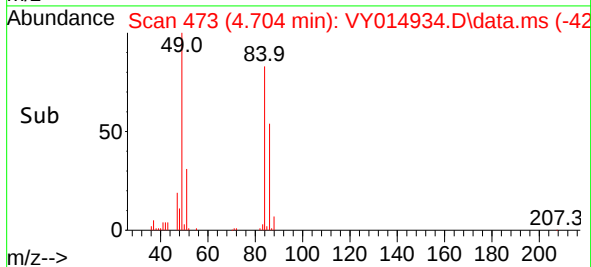
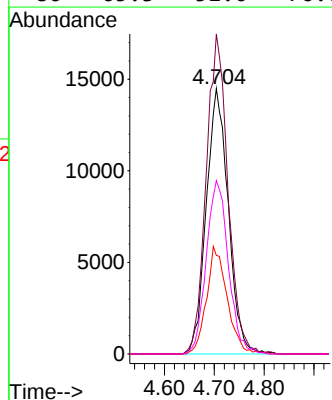
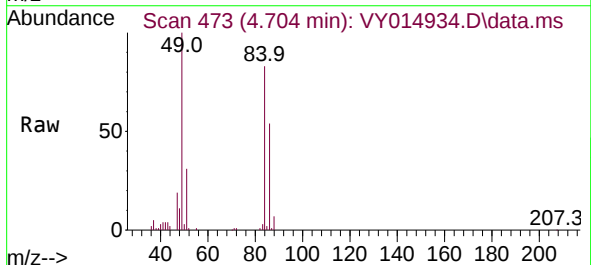
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

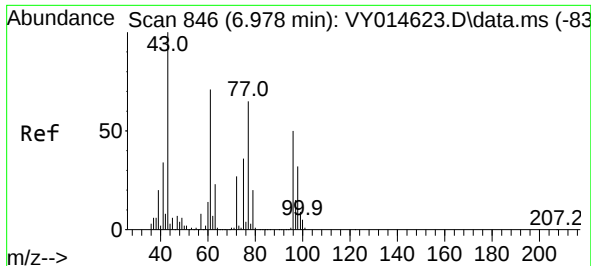
Tgt Ion: 76 Resp: 46981
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.4#



#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

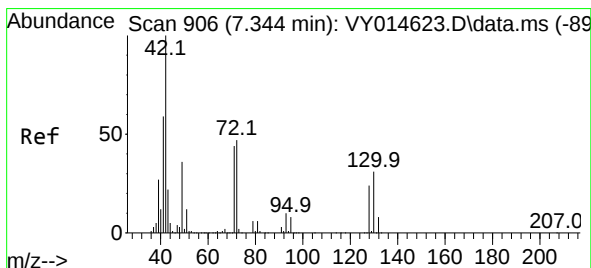
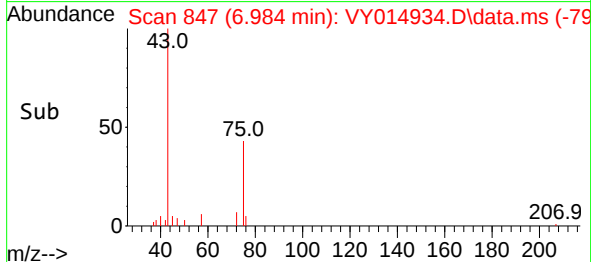
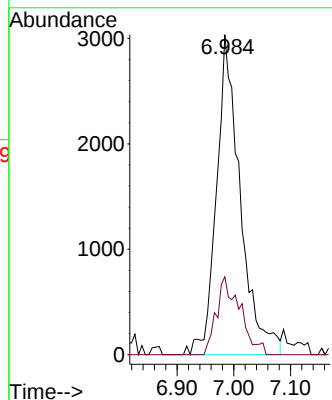
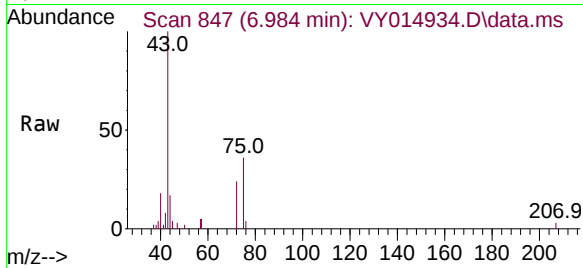




#25
2-Butanone
Concen: 7.839 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

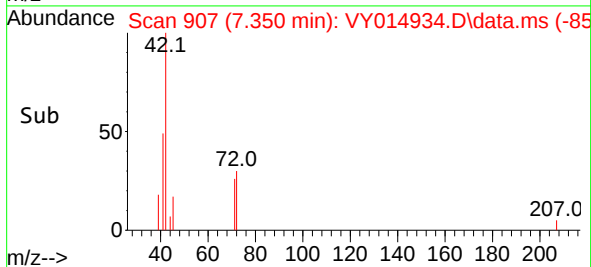
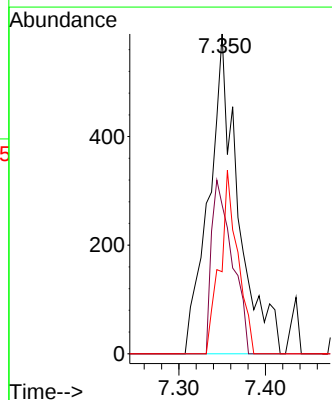
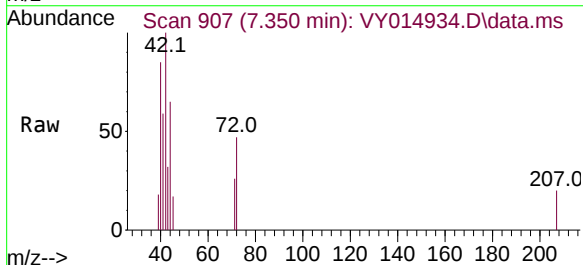
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

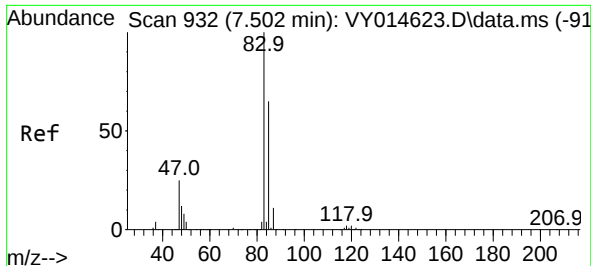
Tgt Ion: 43 Resp: 8849
Ion Ratio Lower Upper
43 100
72 24.4 20.5 30.7



#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

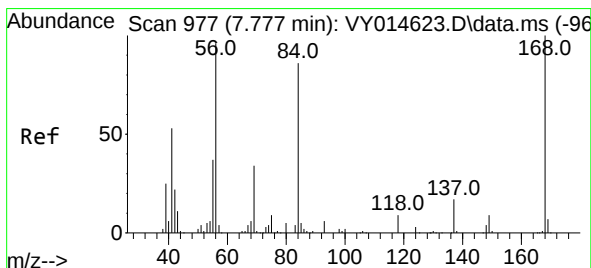
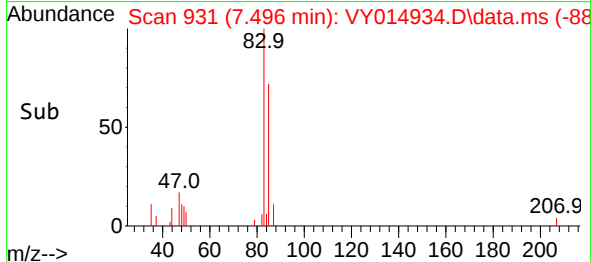
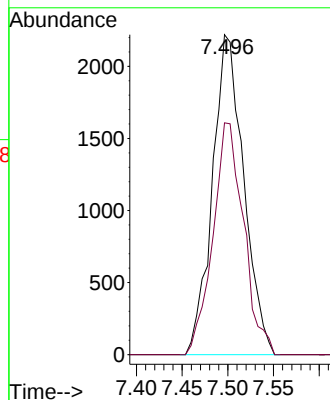
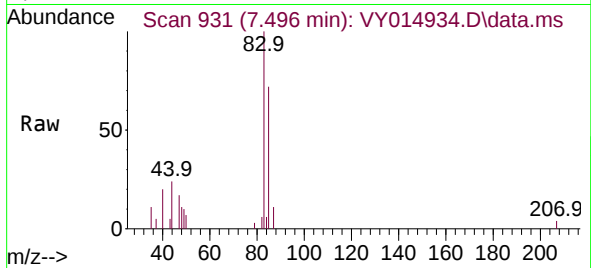




#30
Chloroform
Concen: 1.179 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

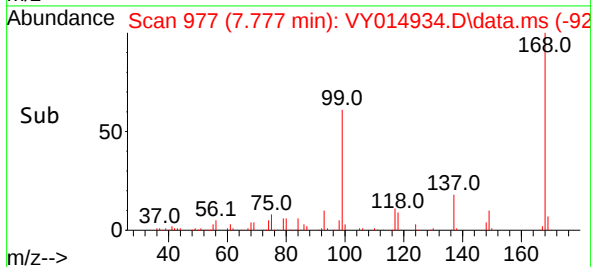
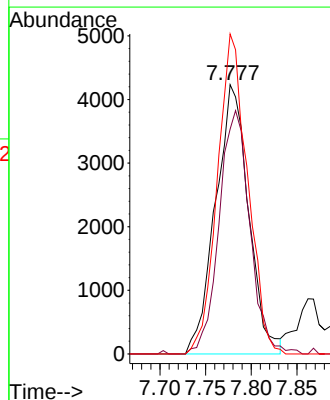
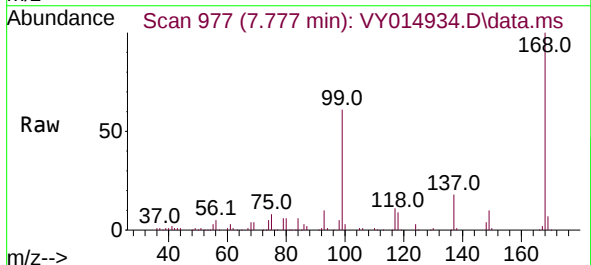
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

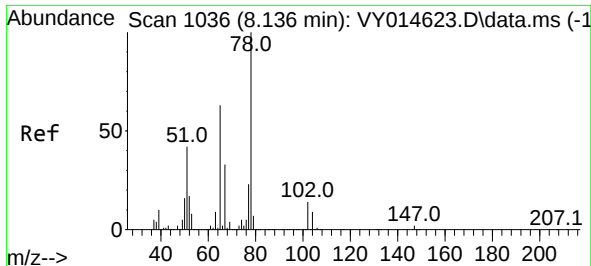
Tgt Ion: 83 Resp: 5283
Ion Ratio Lower Upper
83 100
85 72.4 49.7 74.5



#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#

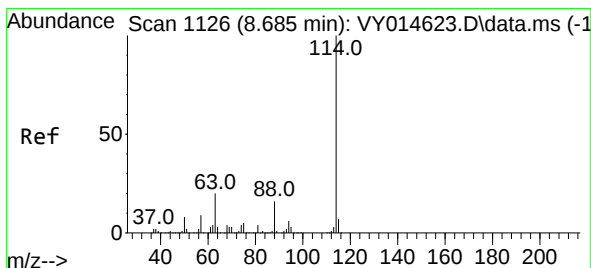
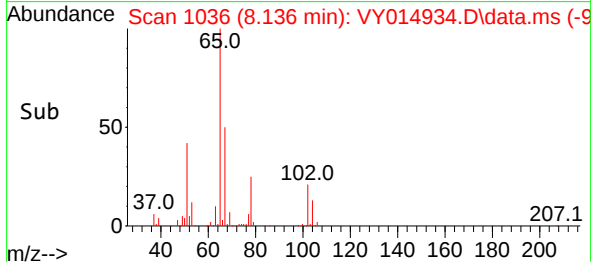
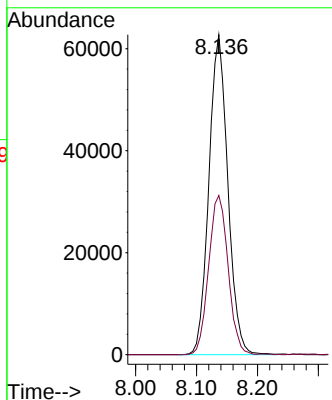
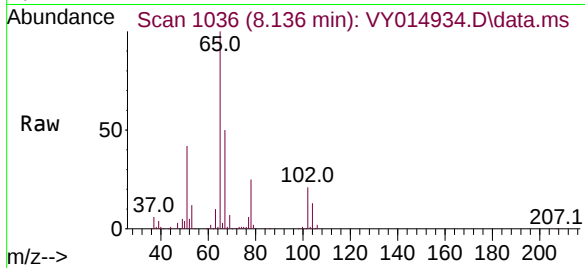




#33
 1,2-Dichloroethane-d4
 Concen: 55.628 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014934.D
 Acq: 02 Aug 2023 16:29

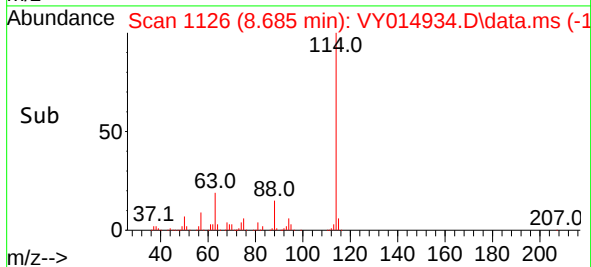
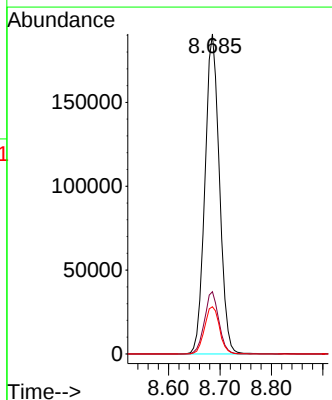
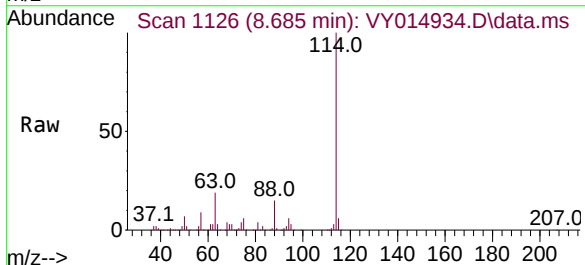
Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-9-(5-10)

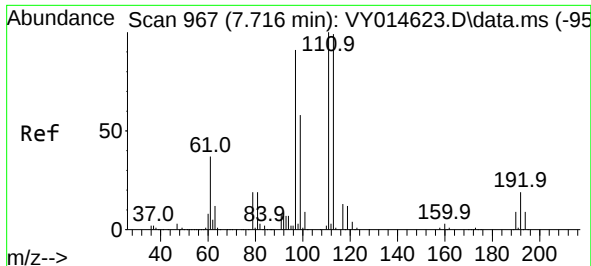
Tgt Ion: 65 Resp: 135445
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.8



#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

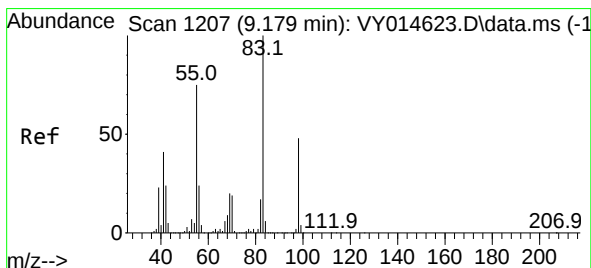
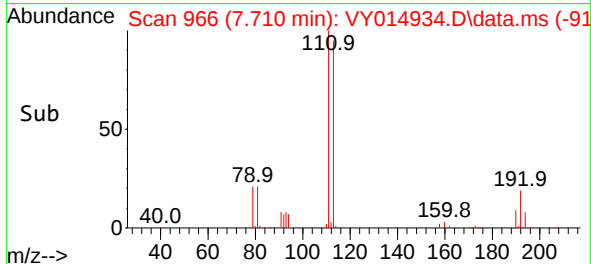
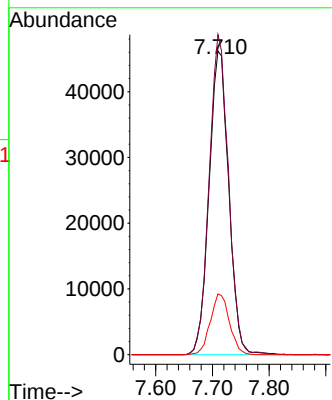
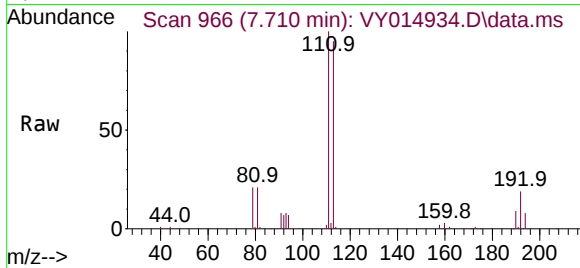




#35
Dibromofluoromethane
Concen: 46.910 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

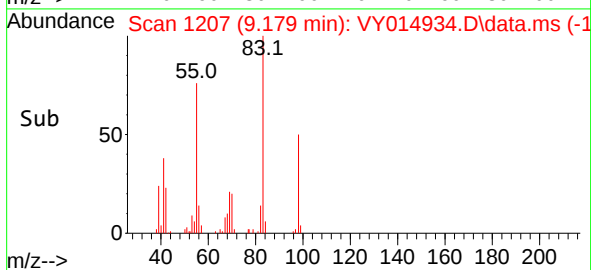
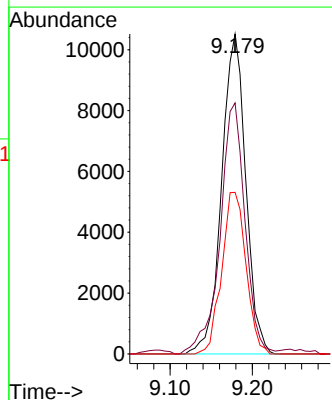
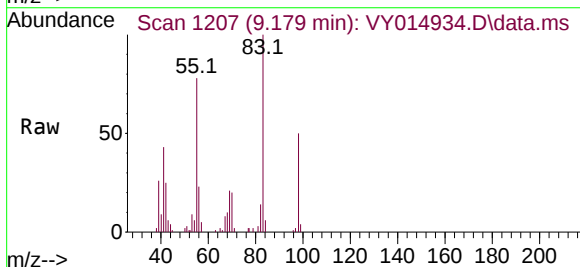
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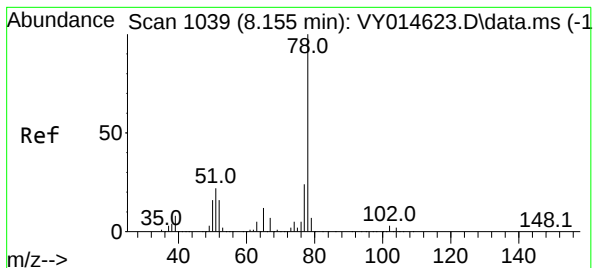
Tgt Ion:113 Resp: 111400
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.4 16.9 25.3



#39
Methylcyclohexane
Concen: 4.640 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

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

Instrument :

MSVOA_Y

ClientSampleId :

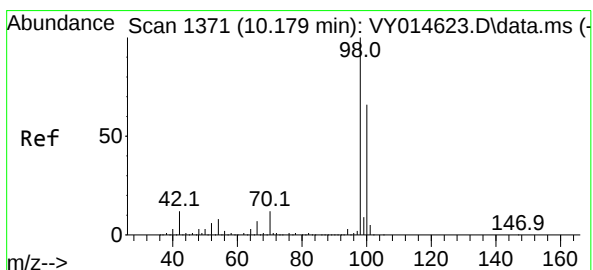
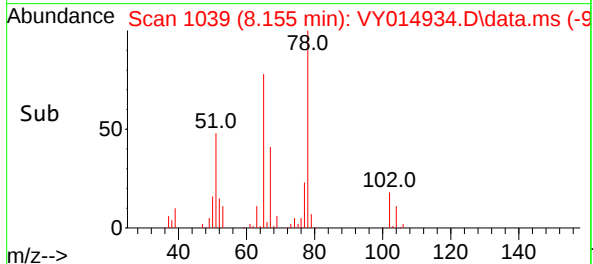
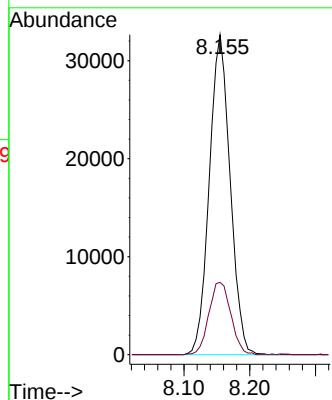
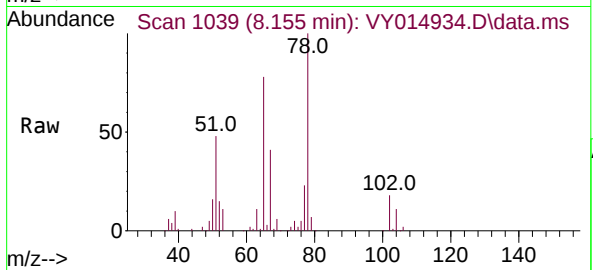
BUILDING-B-9-(5-10)

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# 1370

Delta R.T. -0.006 min

Lab File: VY014934.D

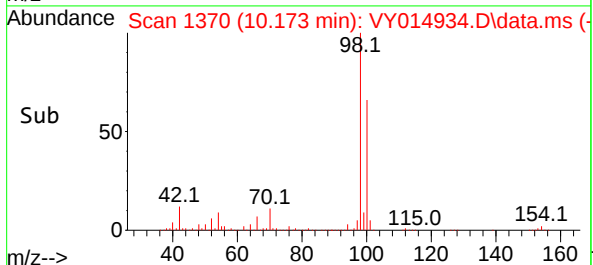
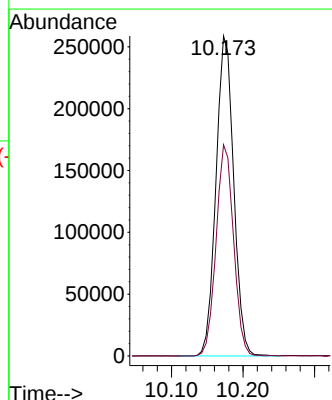
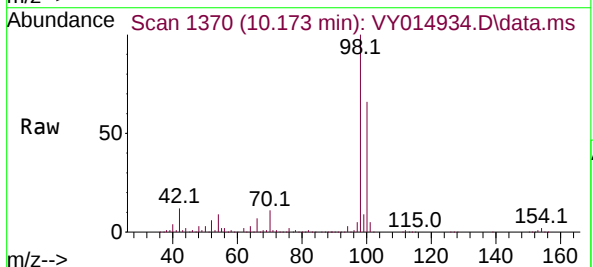
Acq: 02 Aug 2023 16:29

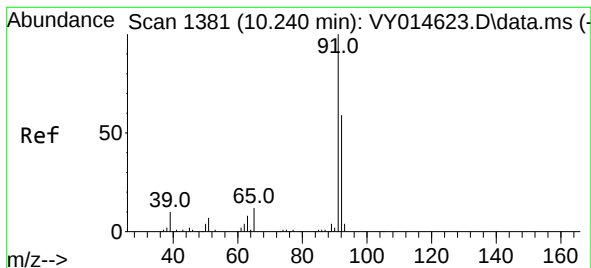
Tgt Ion: 98 Resp: 445182

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

Instrument :

MSVOA_Y

ClientSampleId :

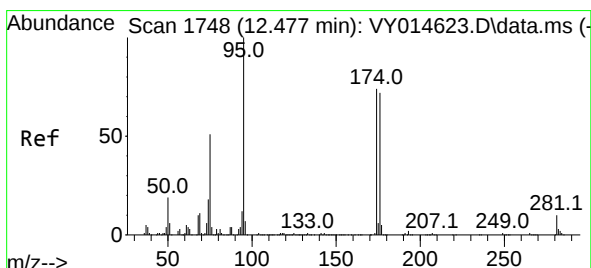
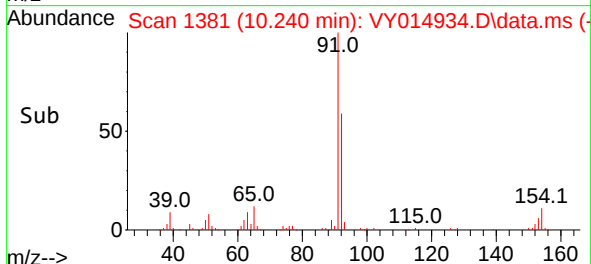
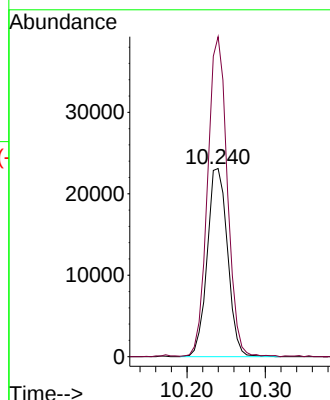
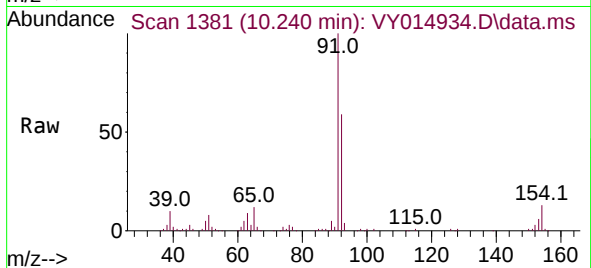
BUILDING-B-9-(5-10)

Tgt Ion: 92 Resp: 41671

Ion Ratio Lower Upper

92 100

91 164.9 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 44.759 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014934.D

Acq: 02 Aug 2023 16:29

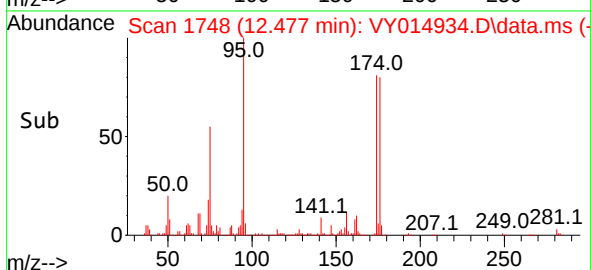
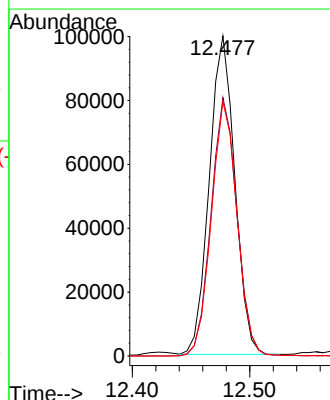
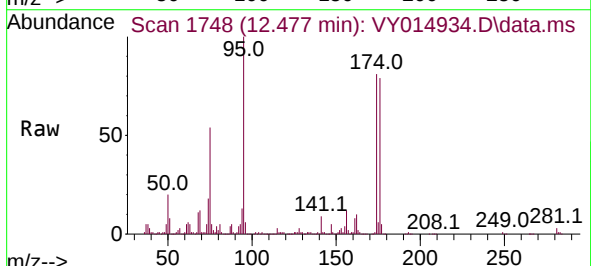
Tgt Ion: 95 Resp: 150260

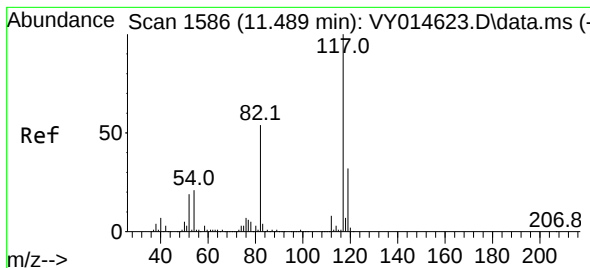
Ion Ratio Lower Upper

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# 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)

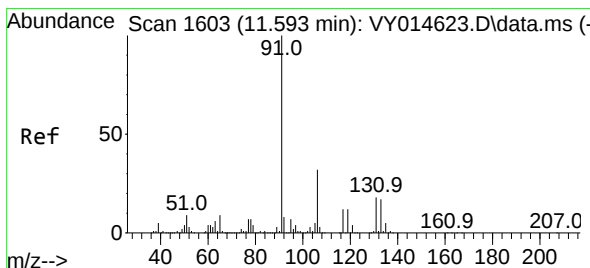
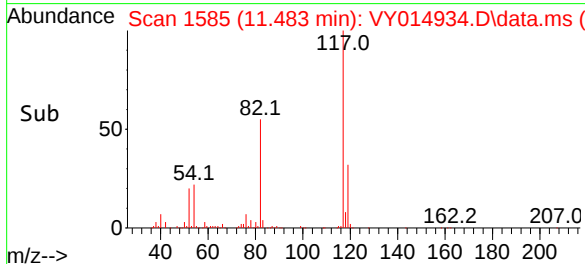
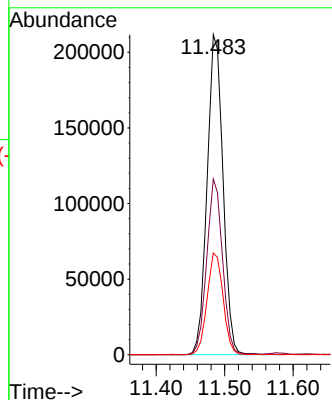
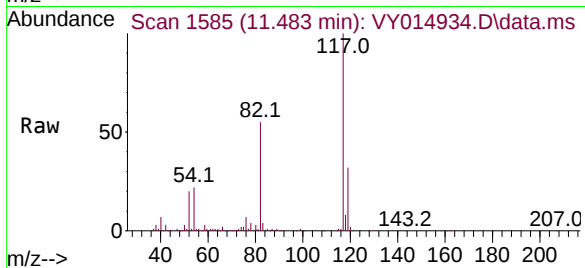
Tgt Ion:117 Resp: 341452

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# 1602

Delta R.T. -0.006 min

Lab File: VY014934.D

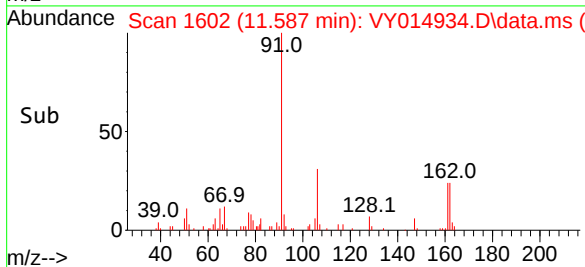
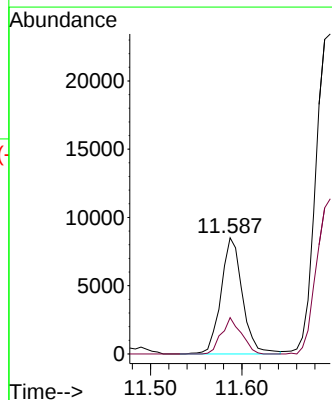
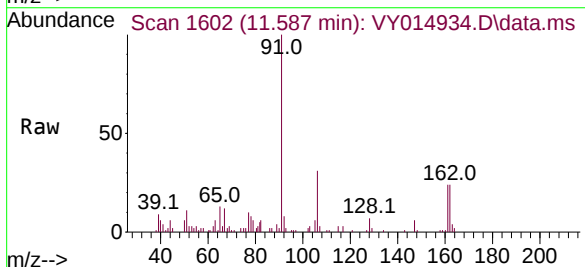
Acq: 02 Aug 2023 16:29

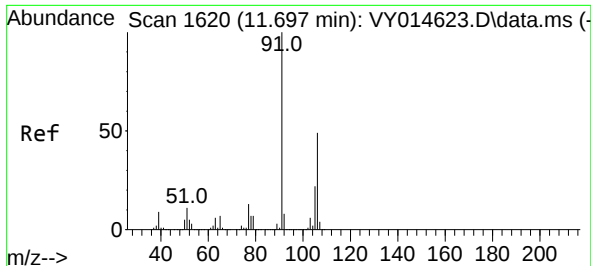
Tgt Ion: 91 Resp: 13936

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8

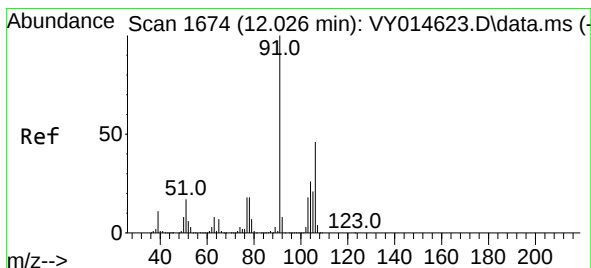
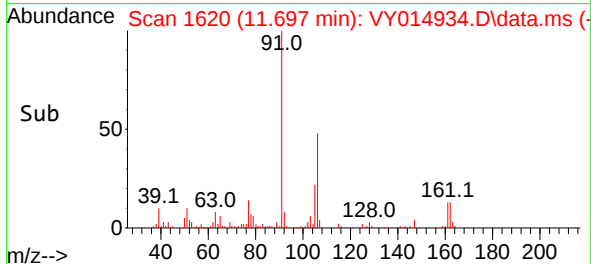
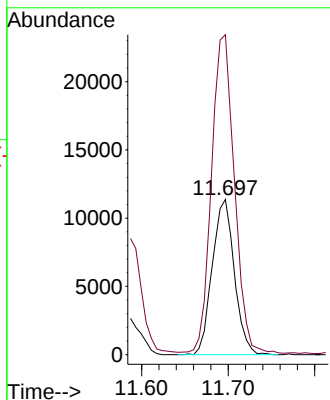
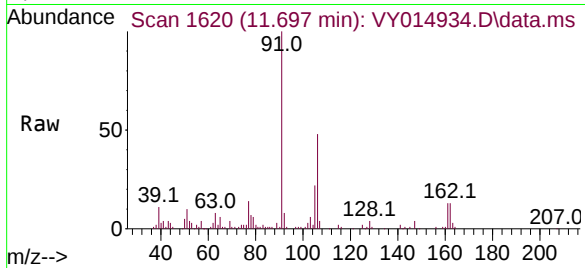




#68
m/p-Xylenes
Concen: 4.014 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

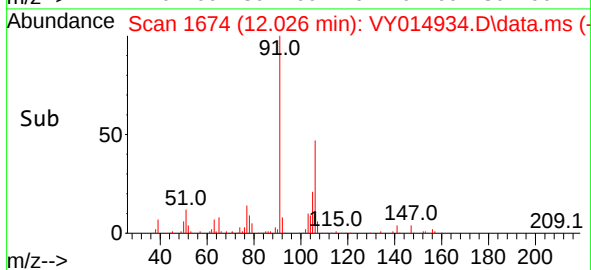
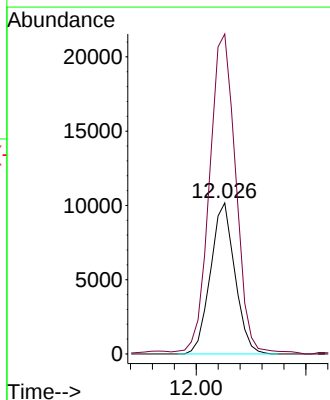
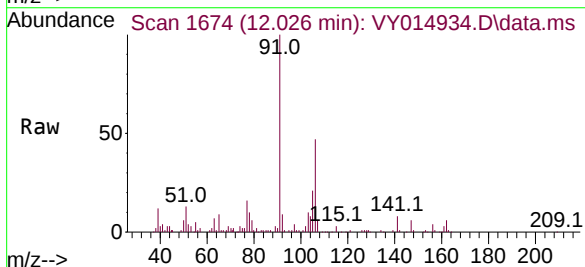
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

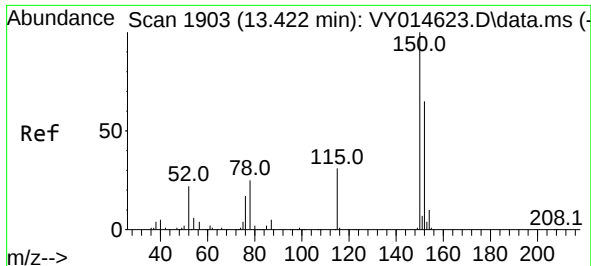
Tgt Ion:106 Resp: 20131
Ion Ratio Lower Upper
106 100
91 213.2 166.1 249.1



#69
o-Xylene
Concen: 3.221 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

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

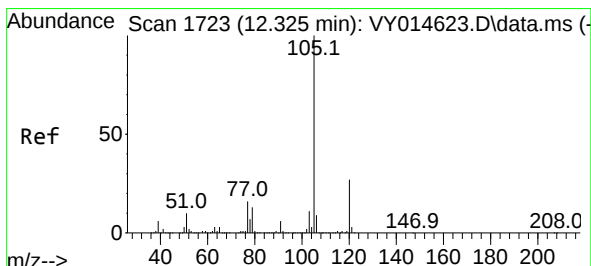
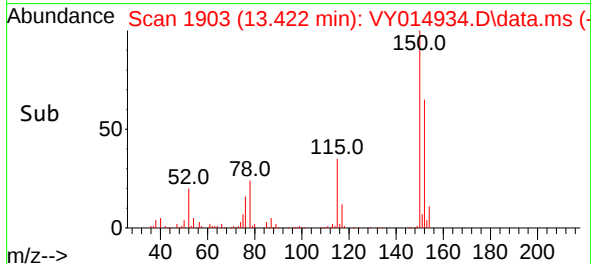
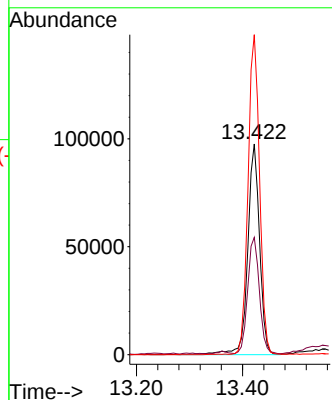
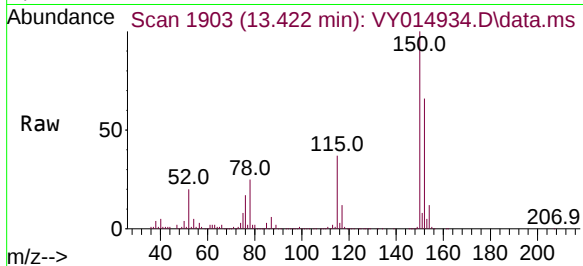




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

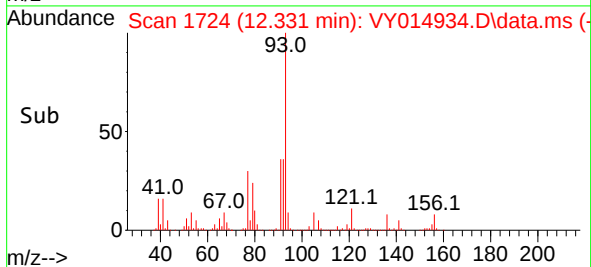
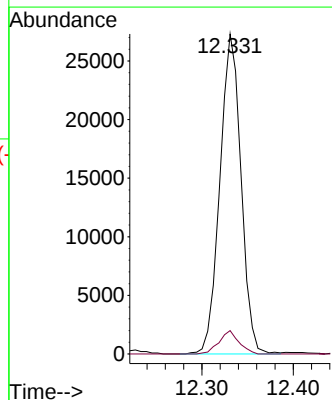
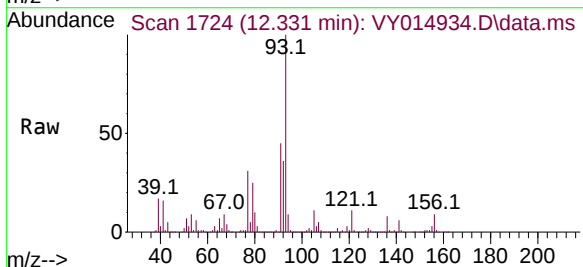
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-9-(5-10)

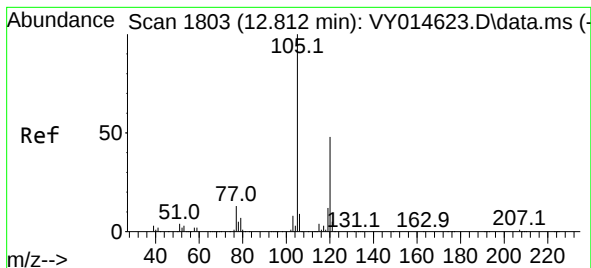
Tgt Ion:152 Resp: 151617
Ion Ratio Lower Upper
152 100
115 54.1 28.8 86.5
150 147.3 0.0 348.8



#73
Isopropylbenzene
Concen: 3.699 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY014934.D
Acq: 02 Aug 2023 16:29

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





#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

Instrument :

MSVOA_Y

ClientSampleId :

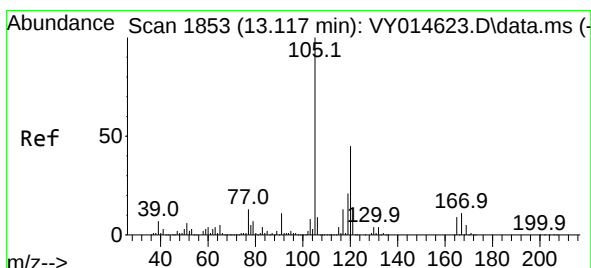
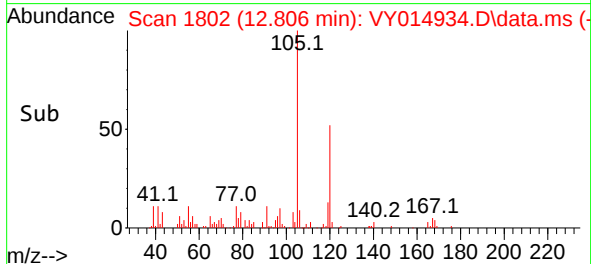
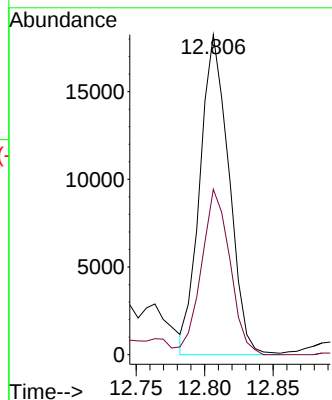
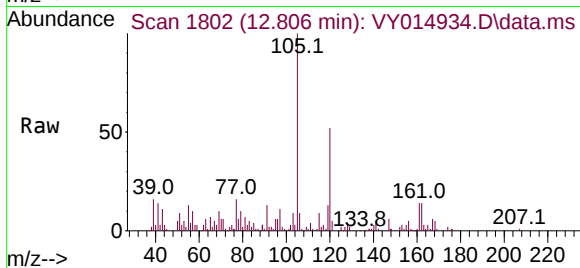
BUILDING-B-9-(5-10)

Tgt Ion:105 Resp: 26805

Ion Ratio Lower Upper

105 100

120 51.1 23.9 71.7



#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

