

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014933.D
 Acq On : 02 Aug 2023 16:06
 Operator : SY/MD
 Sample : 03862-03
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-17-(0-5)

Quant Time: Aug 03 02:44:18 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)

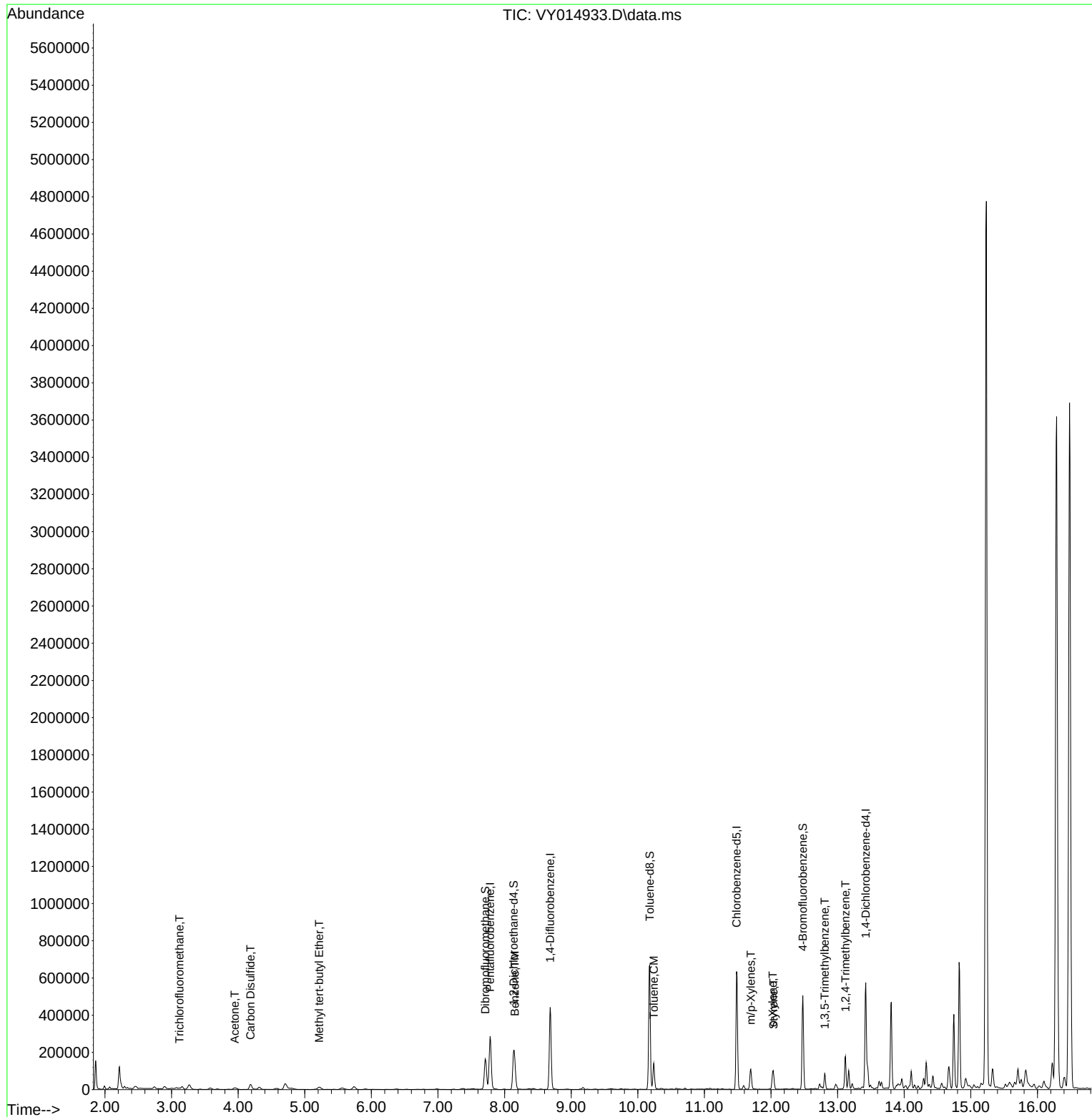
Internal Standards						
1) Pentafluorobenzene	7.783	168	212574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	370821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	344393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	137047	56.576	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	113.160%	
35) Dibromofluoromethane	7.710	113	115583	48.964	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	97.920%	
50) Toluene-d8	10.179	98	444306	51.053	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	102.100%	
62) 4-Bromofluorobenzene	12.477	95	148370	44.462	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	88.920%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.119	101	5955	1.630	ug/l	97
16) Acetone	3.948	43	13972	18.202	ug/l	95
17) Carbon Disulfide	4.186	76	55781	9.308	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	18138	2.667	ug/l #	81
40) Benzene	8.155	78	76959	7.665	ug/l	99
52) Toluene	10.240	92	56188	8.746	ug/l	93
68) m/p-Xylenes	11.697	106	32264	6.379	ug/l	98
69) o-Xylene	12.026	106	20871	4.236	ug/l	95
70) Styrene	12.038	104	27064	3.259	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	39946	4.276	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	93391	10.186	ug/l	99

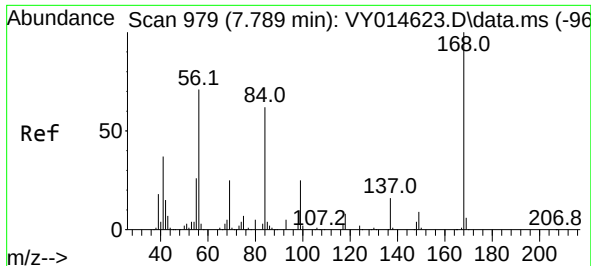
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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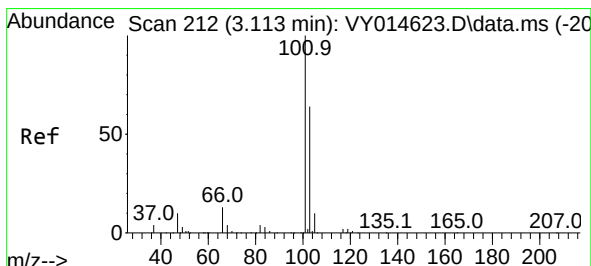
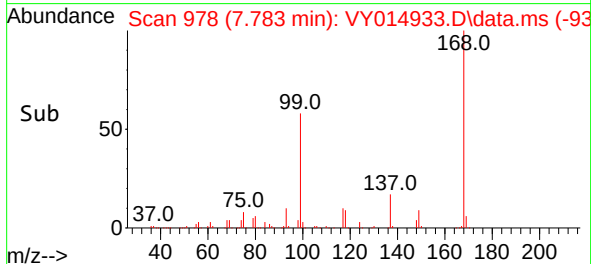
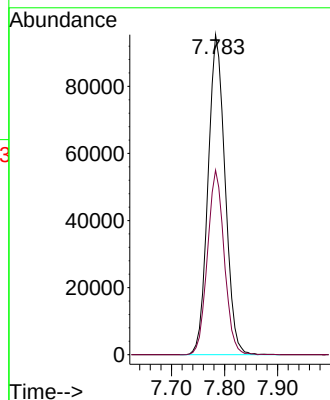
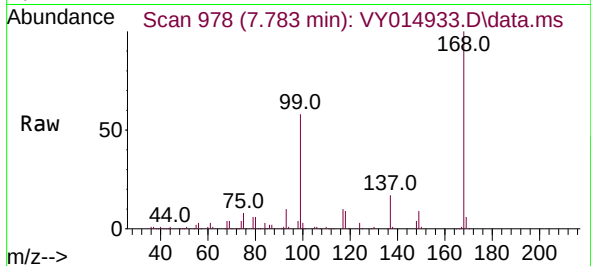




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

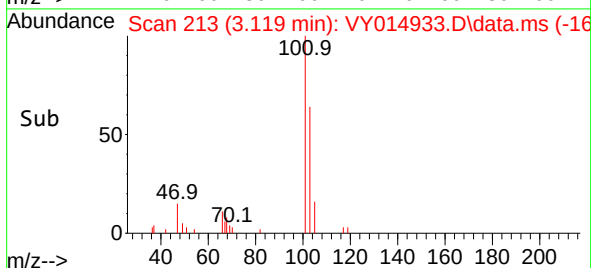
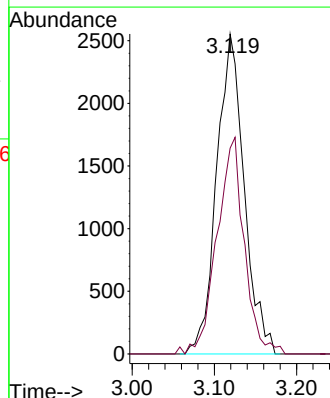
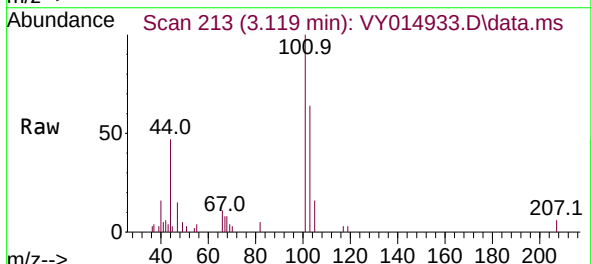
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-17-(0-5)

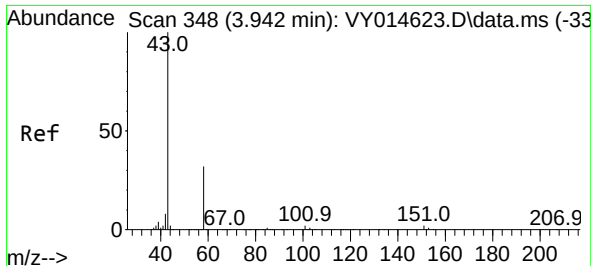
Tgt Ion:168 Resp: 212574
Ion Ratio Lower Upper
168 100
99 57.7 43.4 65.0



#7
Trichlorofluoromethane
Concen: 1.630 ug/l
RT: 3.119 min Scan# 213
Delta R.T. 0.006 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

Tgt Ion:101 Resp: 5955
Ion Ratio Lower Upper
101 100
103 62.1 51.4 77.0





#16

Acetone

Concen: 18.202 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY014933.D

Acq: 02 Aug 2023 16:06

Instrument :

MSVOA_Y

ClientSampleId :

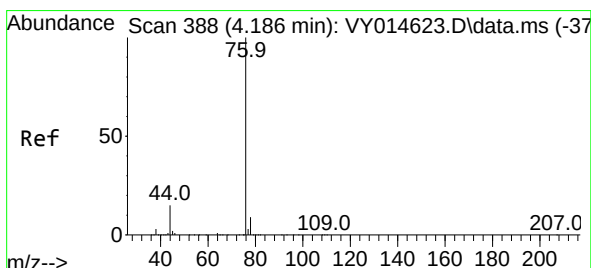
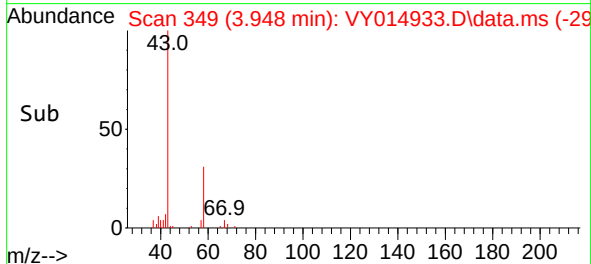
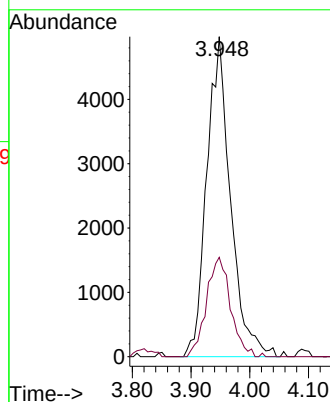
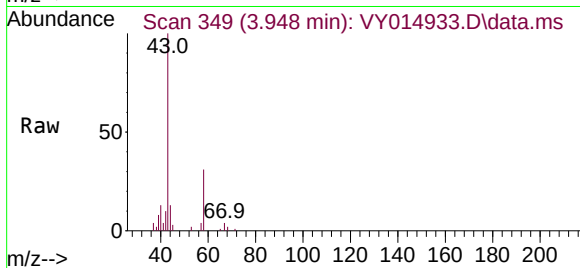
BUILDING-B-17-(0-5)

Tgt Ion: 43 Resp: 13972

Ion Ratio Lower Upper

43 100

58 31.1 22.7 34.1



#17

Carbon Disulfide

Concen: 9.308 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.000 min

Lab File: VY014933.D

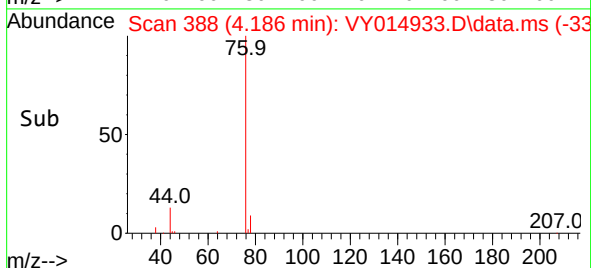
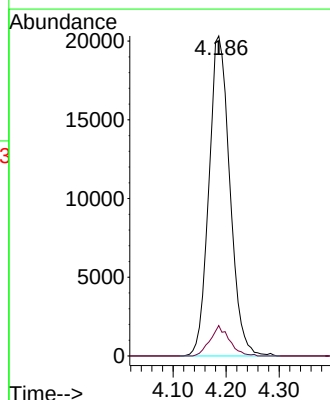
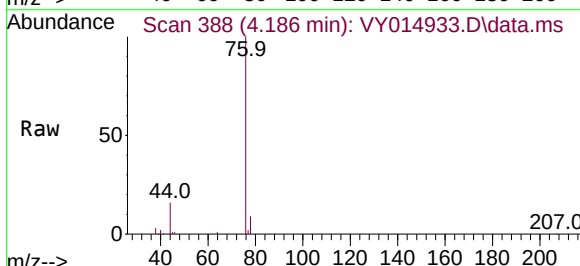
Acq: 02 Aug 2023 16:06

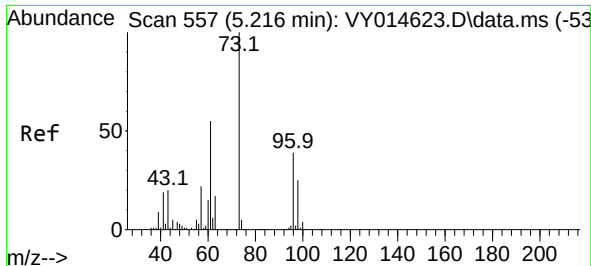
Tgt Ion: 76 Resp: 55781

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4





#19

Methyl tert-butyl Ether

Concen: 2.667 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY014933.D

Acq: 02 Aug 2023 16:06

Instrument :

MSVOA_Y

ClientSampleId :

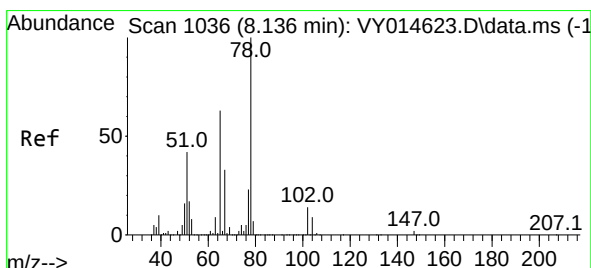
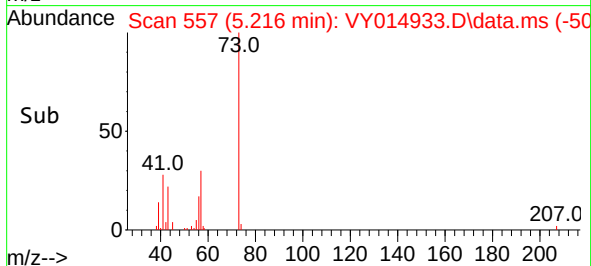
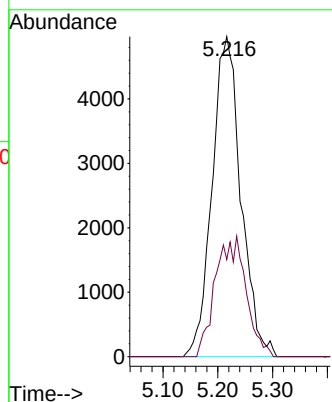
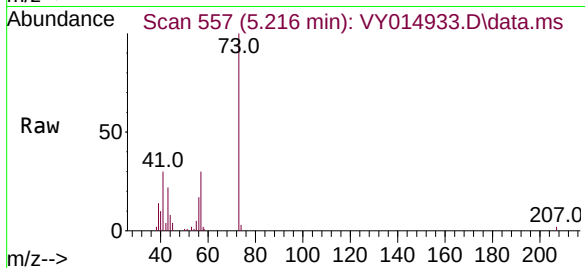
BUILDING-B-17-(0-5)

Tgt Ion: 73 Resp: 18138

Ion Ratio Lower Upper

73 100

57 30.4 17.3 25.9#



#33

1,2-Dichloroethane-d4

Concen: 56.576 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014933.D

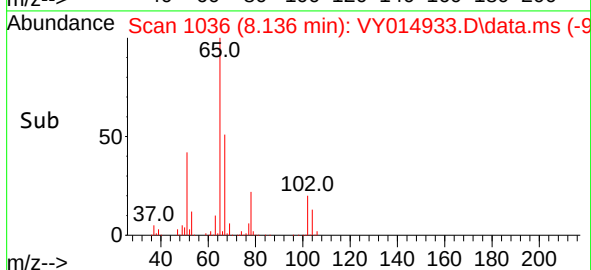
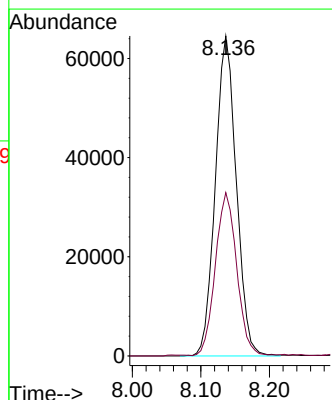
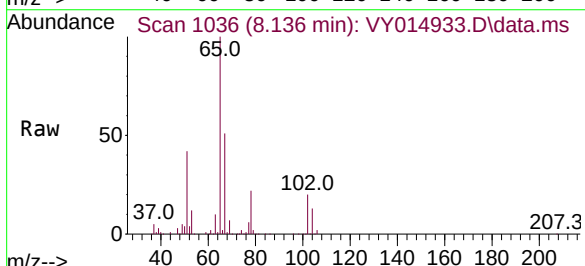
Acq: 02 Aug 2023 16:06

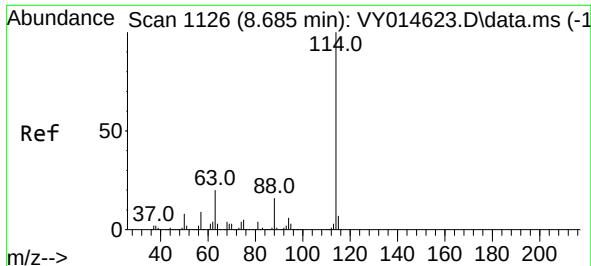
Tgt Ion: 65 Resp: 137047

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8

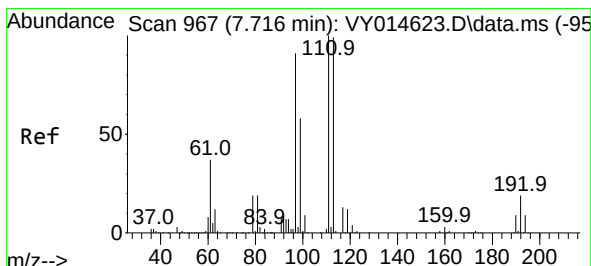
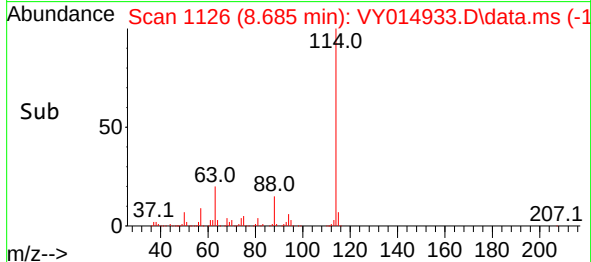
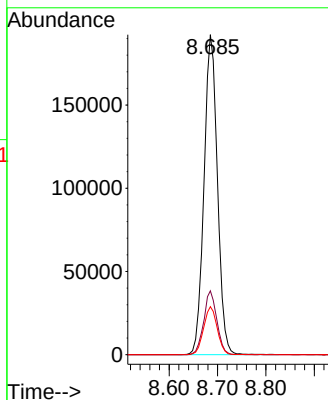
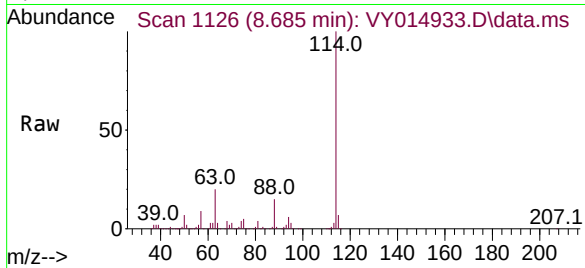




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

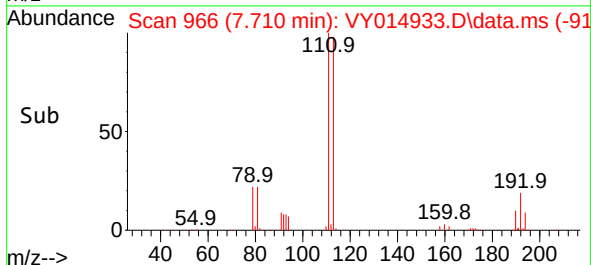
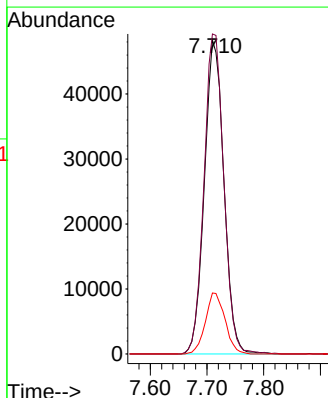
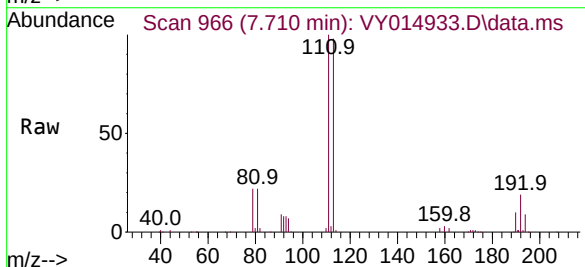
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-17-(0-5)

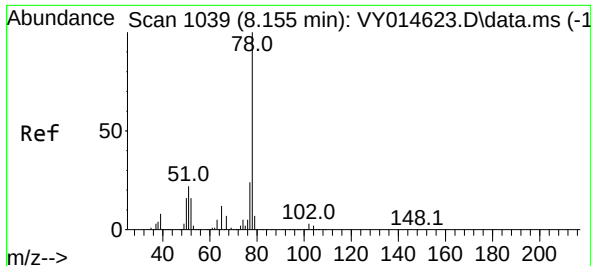
Tgt Ion:	114	Resp:	370821
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.4
88	15.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.964 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

Tgt Ion:	113	Resp:	115583
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.3	121.9
192	19.5	16.9	25.3

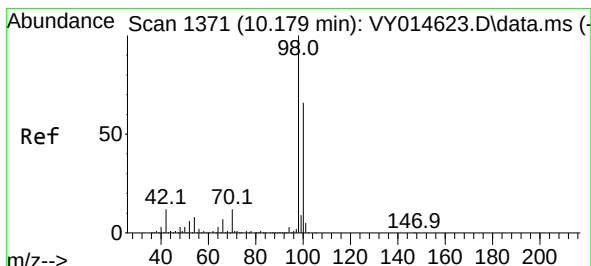
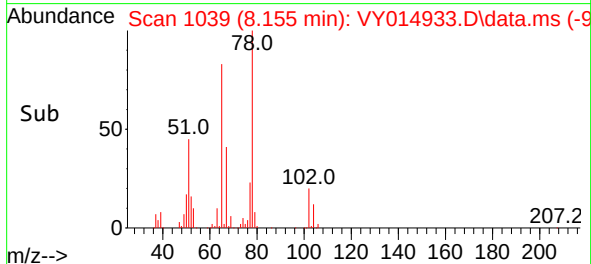
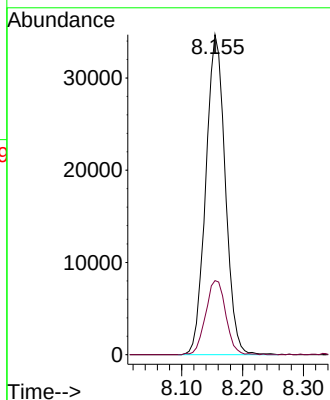
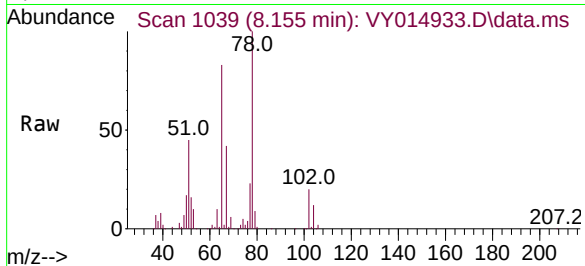




#40
Benzene
Concen: 7.665 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

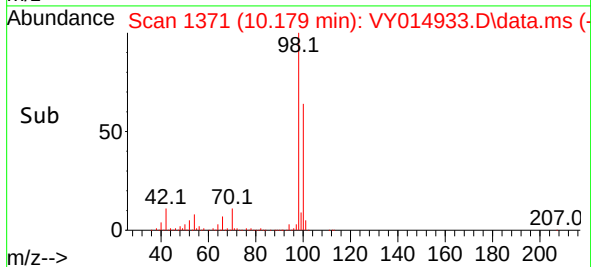
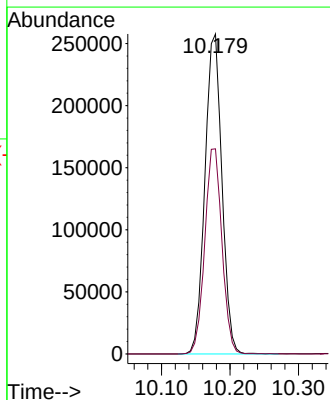
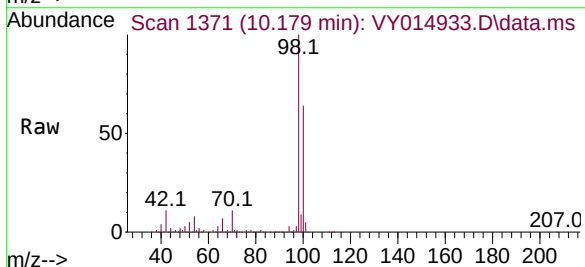
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-17-(0-5)

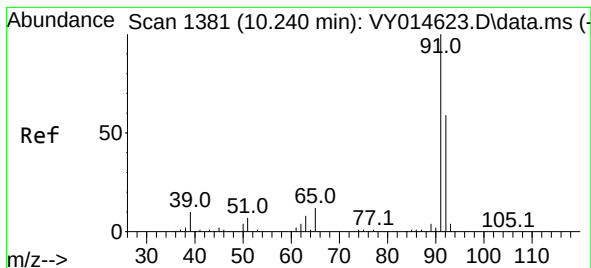
Tgt Ion: 78 Resp: 76959
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6



#50
Toluene-d8
Concen: 51.053 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

Tgt Ion: 98 Resp: 444306
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1





#52

Toluene

Concen: 8.746 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY014933.D

Acq: 02 Aug 2023 16:06

Instrument :

MSVOA_Y

ClientSampleId :

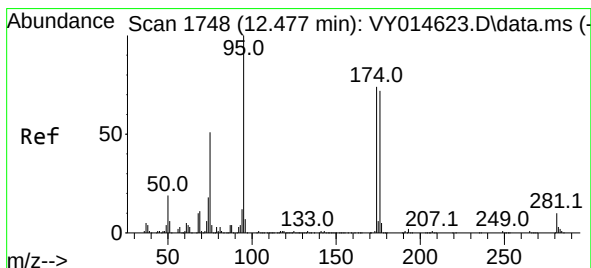
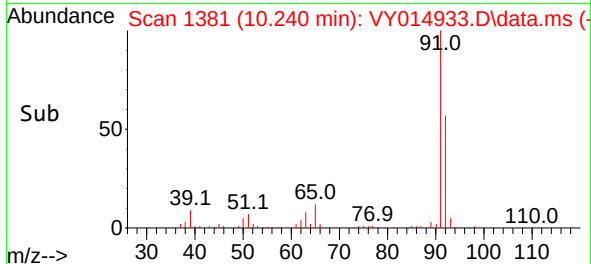
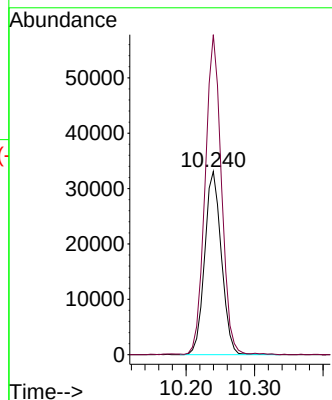
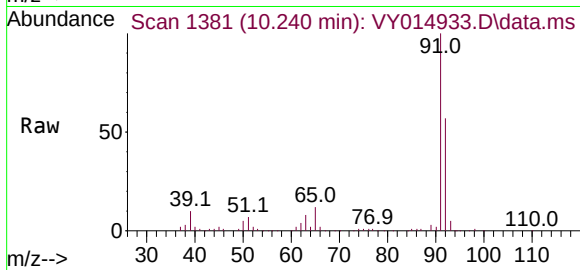
BUILDING-B-17-(0-5)

Tgt Ion: 92 Resp: 56188

Ion Ratio Lower Upper

92 100

91 169.6 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 44.462 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014933.D

Acq: 02 Aug 2023 16:06

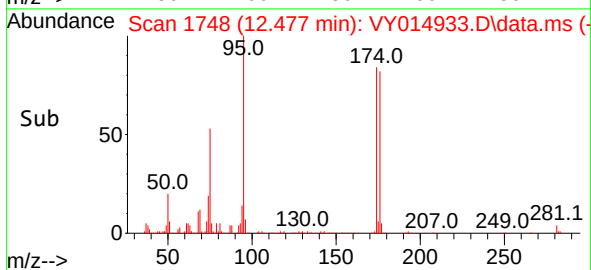
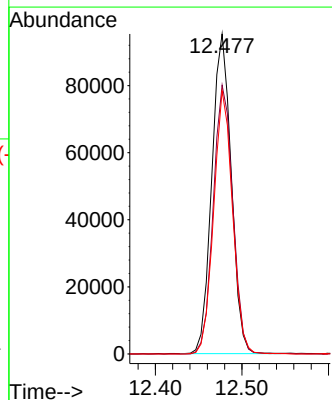
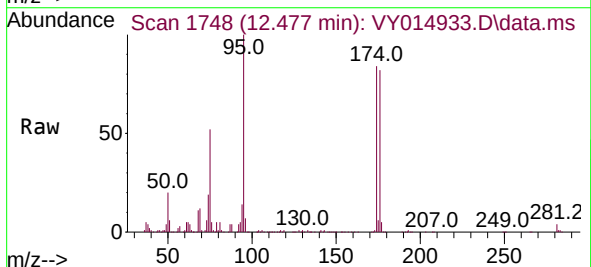
Tgt Ion: 95 Resp: 148370

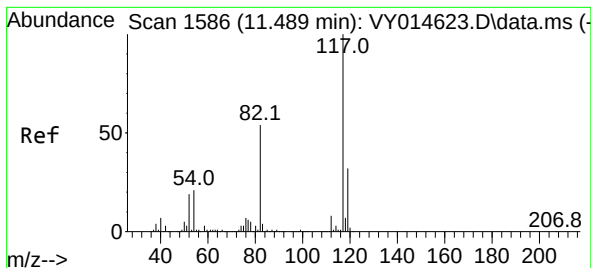
Ion Ratio Lower Upper

95 100

174 84.7 0.0 178.2

176 80.0 0.0 173.8

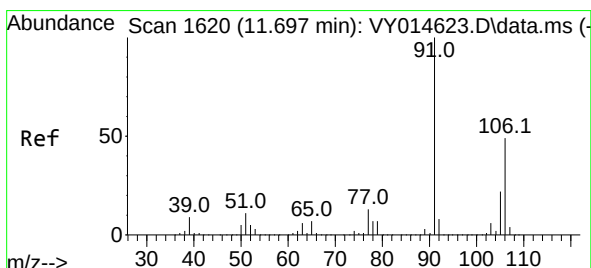
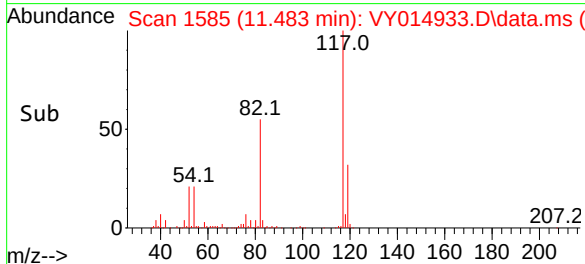
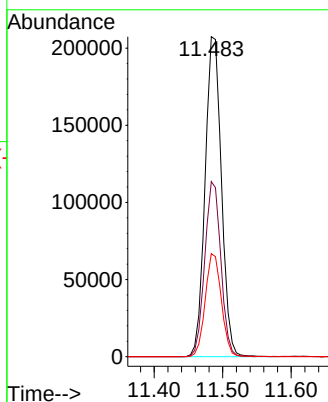
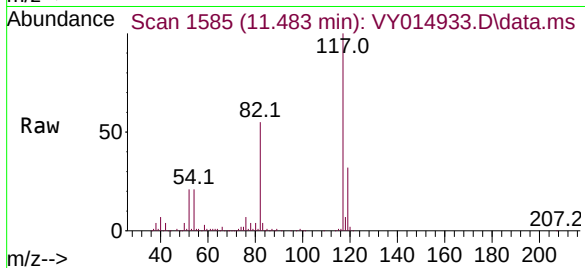




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

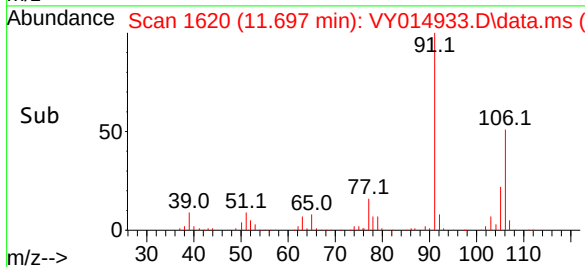
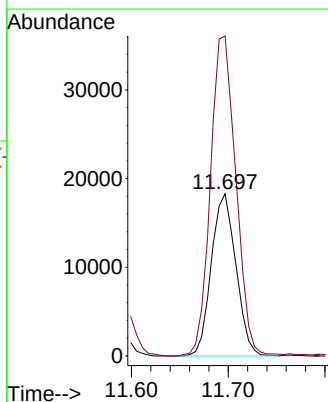
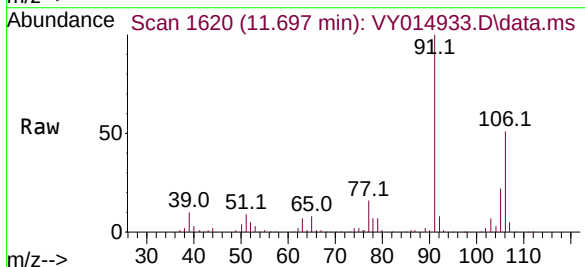
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-17-(0-5)

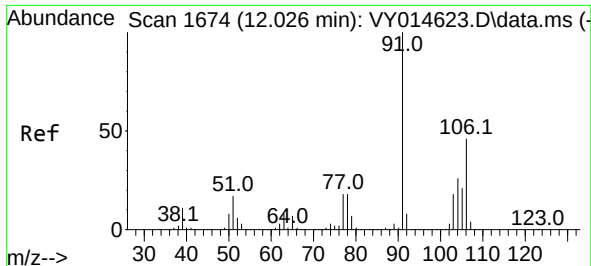
Tgt Ion:117 Resp: 344393
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.2 26.3 39.5



#68
m/p-Xylenes
Concen: 6.379 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

Tgt Ion:106 Resp: 32264
Ion Ratio Lower Upper
106 100
91 204.3 166.1 249.1

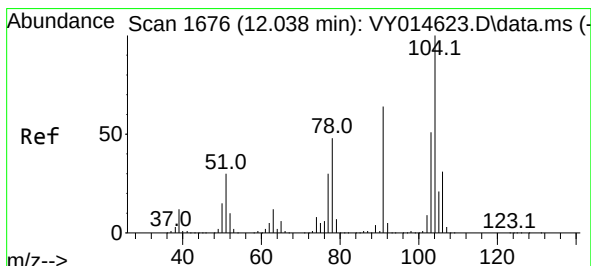
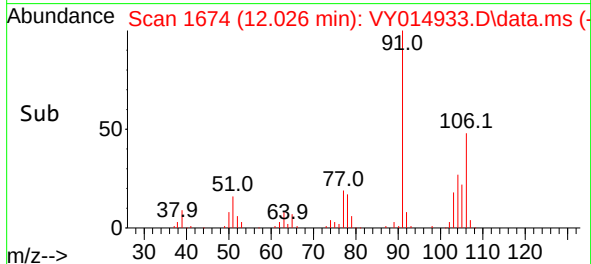
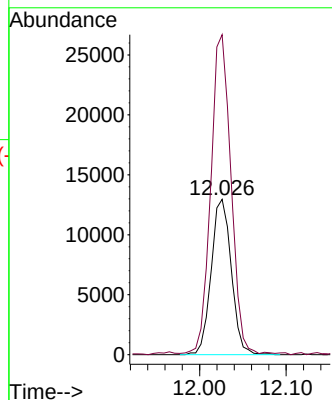
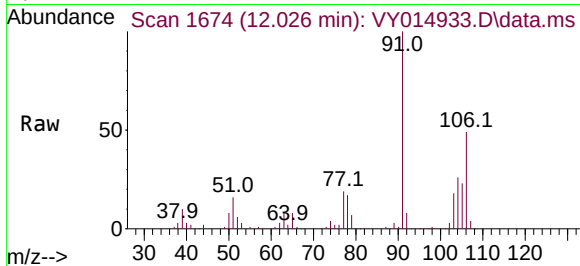




#69
o-Xylene
Concen: 4.236 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

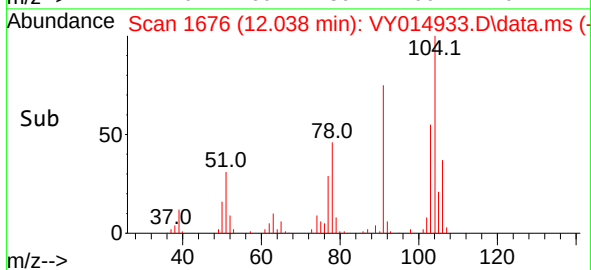
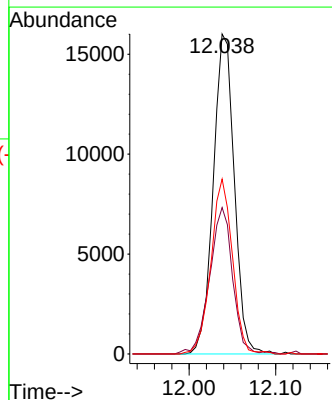
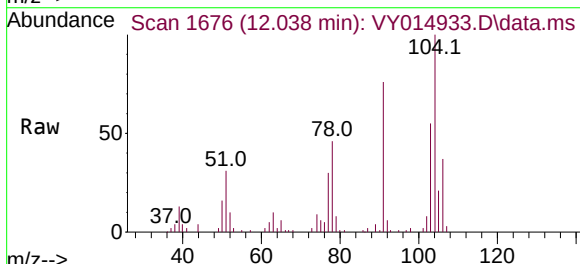
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-17-(0-5)

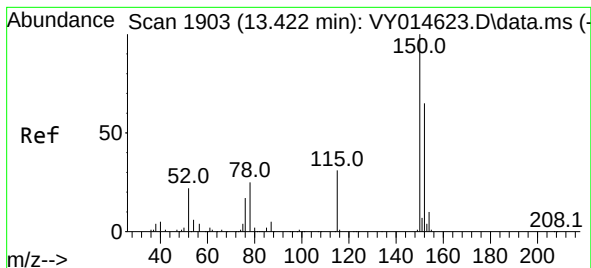
Tgt Ion:106 Resp: 20871
Ion Ratio Lower Upper
106 100
91 208.7 108.1 324.3



#70
Styrene
Concen: 3.259 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY014933.D
Acq: 02 Aug 2023 16:06

Tgt Ion:104 Resp: 27064
Ion Ratio Lower Upper
104 100
78 49.9 41.5 62.3
103 56.0 44.6 67.0

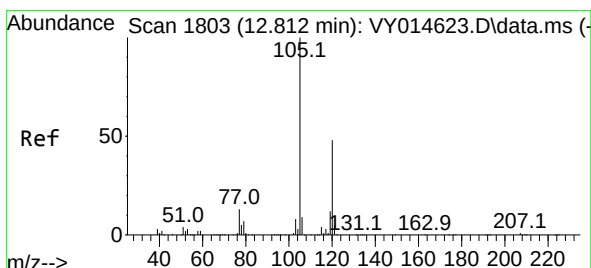
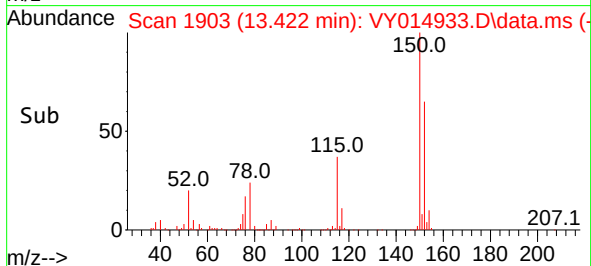
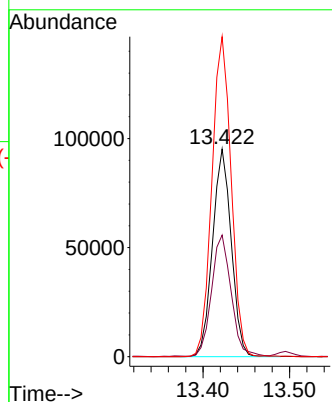
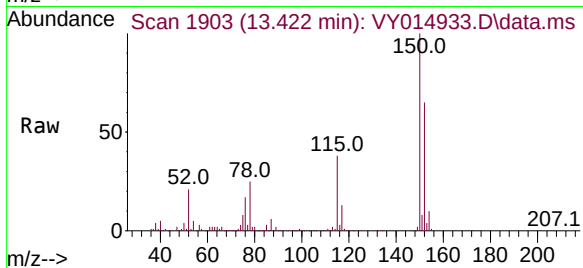




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014933.D
 Acq: 02 Aug 2023 16:06

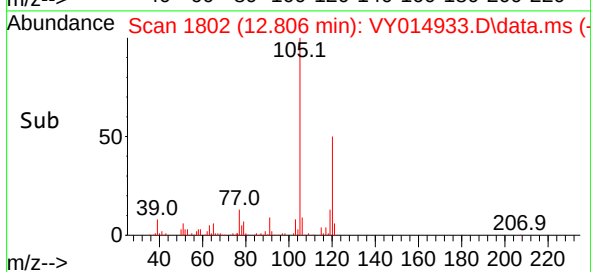
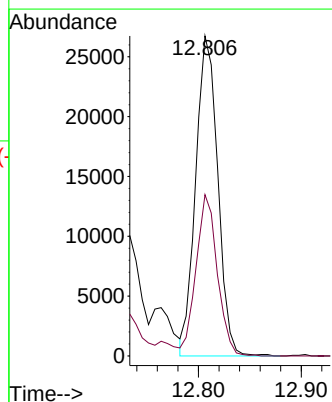
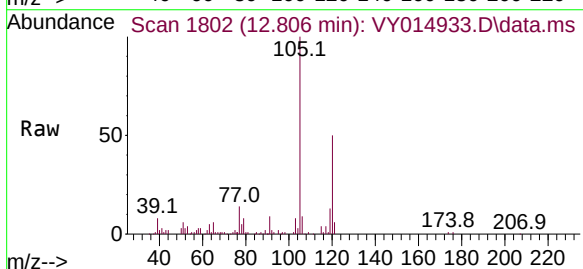
Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-17-(0-5)

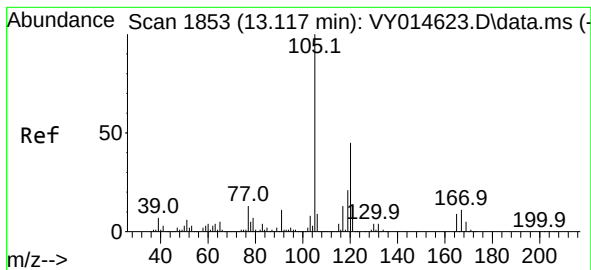
Tgt Ion:152 Resp: 142862
 Ion Ratio Lower Upper
 152 100
 115 60.8 28.8 86.5
 150 158.3 0.0 348.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.276 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: VY014933.D
 Acq: 02 Aug 2023 16:06

Tgt Ion:105 Resp: 39946
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 10.186 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014933.D

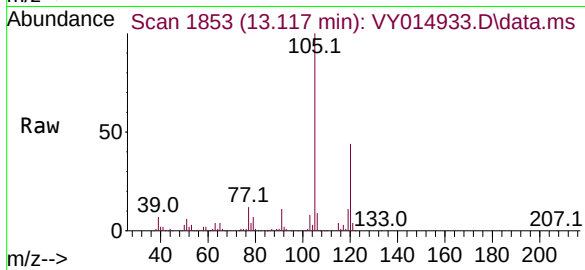
Acq: 02 Aug 2023 16:06

Instrument :

MSVOA_Y

ClientSampleId :

BUILDING-B-17-(0-5)



Tgt Ion:105 Resp: 93391

Ion Ratio Lower Upper

105 100

120 45.1 22.2 66.6

