

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014940.D
 Acq On : 02 Aug 2023 18:51
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-11-(10-15)MS

Quant Time: Aug 03 02:46:40 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)

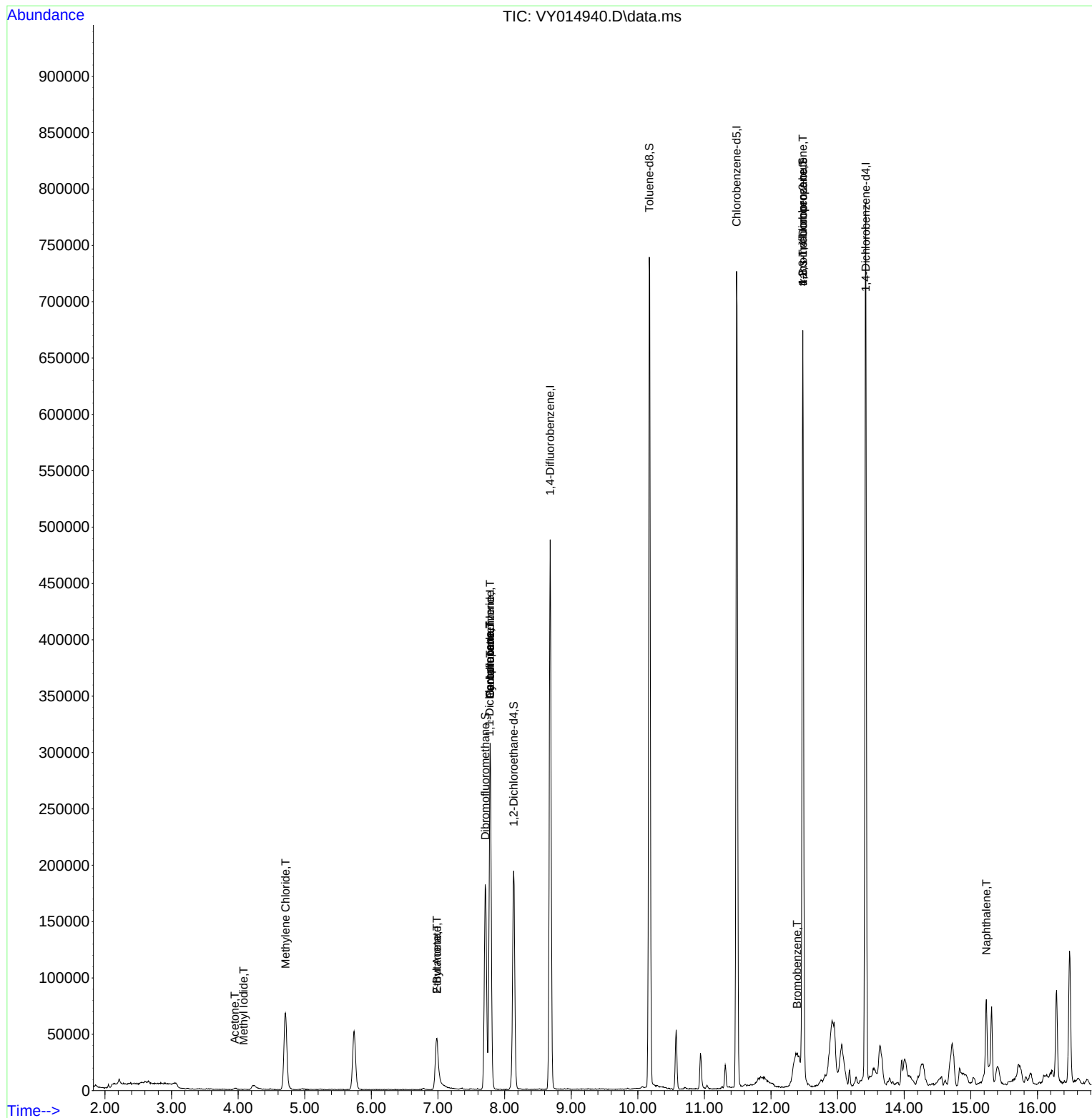
Internal Standards						
1) Pentafluorobenzene	7.783	168	233120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	410569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	397266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	194958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151101	56.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.760%	
35) Dibromofluoromethane	7.710	113	130044	49.757	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.520%	
50) Toluene-d8	10.173	98	488946	50.743	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.477	95	189475	51.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.560%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	96	2.405	ug/l #	69
11) Tert butyl alcohol	4.966	59	814	Below Cal	#	89
16) Acetone	3.948	43	2159	2.565	ug/l #	80
20) Methylene Chloride	4.710	84	53386	16.710	ug/l	88
25) 2-Butanone	6.984	43	3142	2.551	ug/l #	84
31) Cyclohexane	7.783	56	5200	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	17583	4.499	ug/l #	50
37) Ethyl Acetate	6.984	43	3142	1.168	ug/l #	1
38) Carbon Tetrachloride	7.783	117	22933	5.551	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	103094	41.870	ug/l #	100
77) Bromobenzene	12.392	156	46541	13.356	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	103094	81.067	ug/l #	11
95) Naphthalene	15.233	128	58682	6.386	ug/l	98

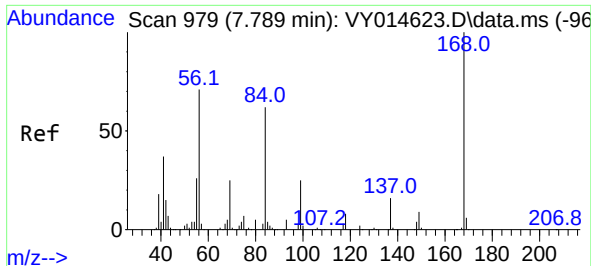
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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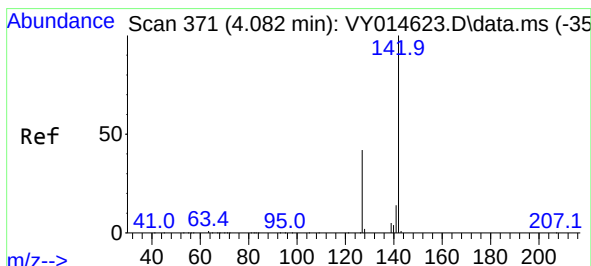
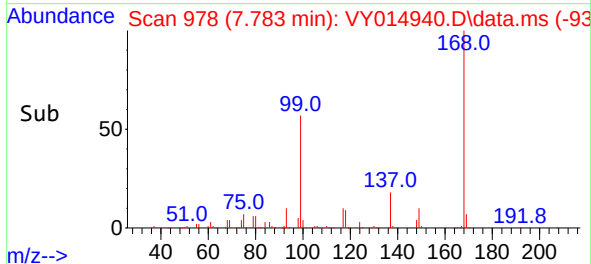
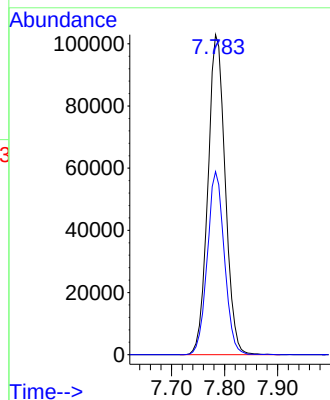
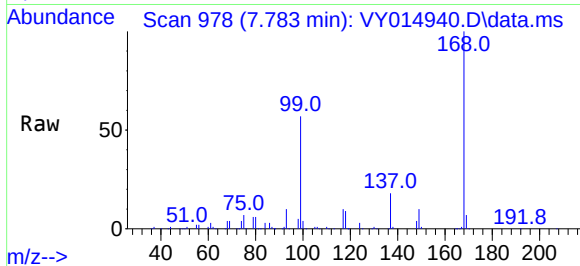




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

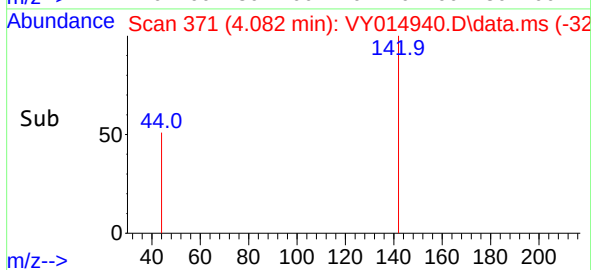
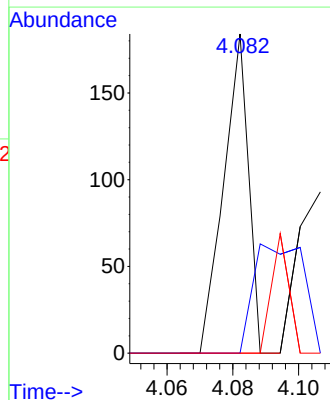
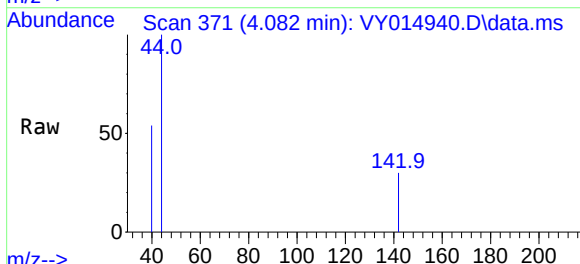
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)MS

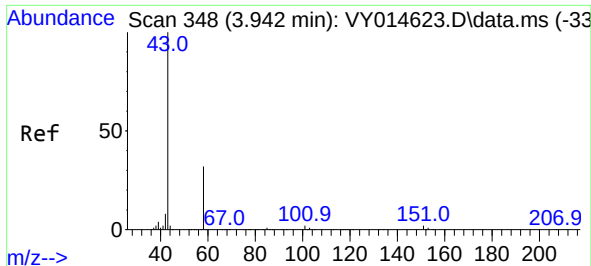
Tgt Ion:168 Resp: 233120
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.405 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Tgt Ion:142 Resp: 96
Ion Ratio Lower Upper
142 100
127 68.8 37.6 56.4#
141 26.0 11.8 17.8#

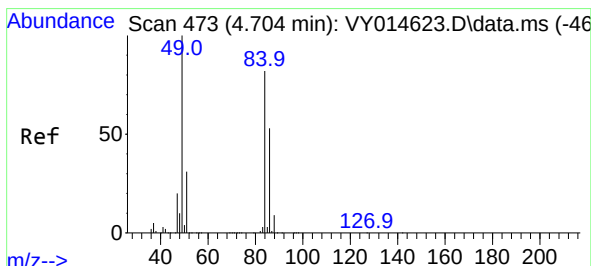
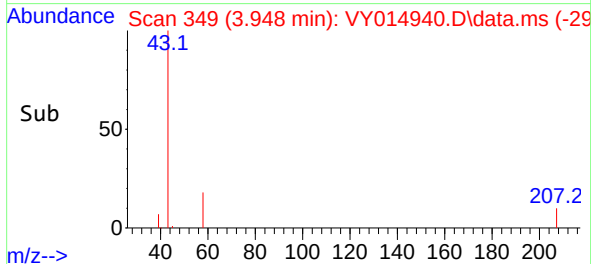
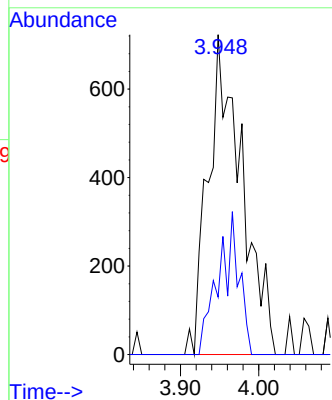
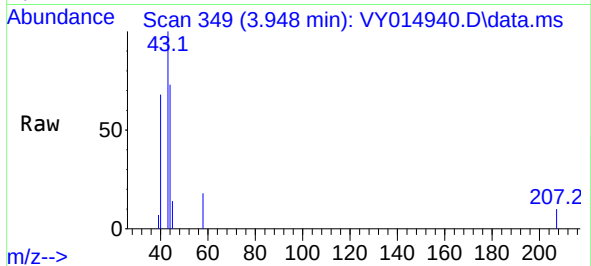




#16
Acetone
Concen: 2.565 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

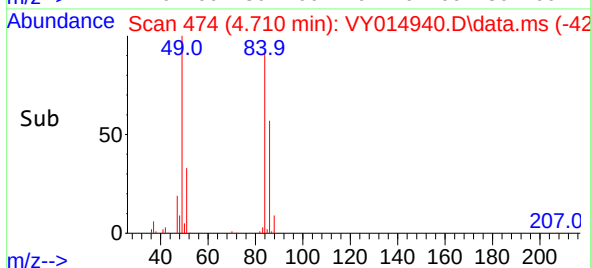
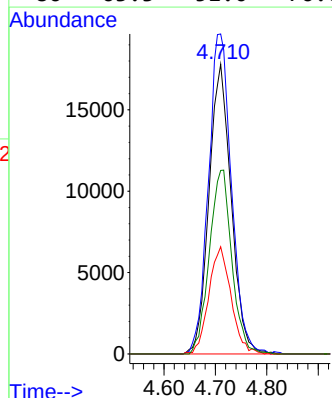
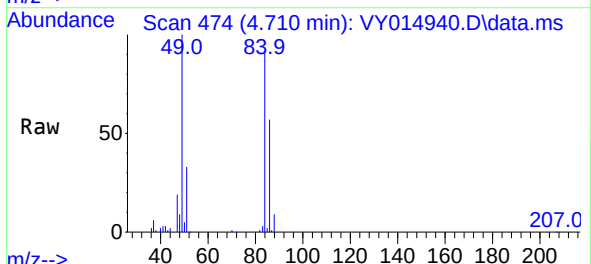
Instrument :
MSVOA_Y
ClientSampleId :
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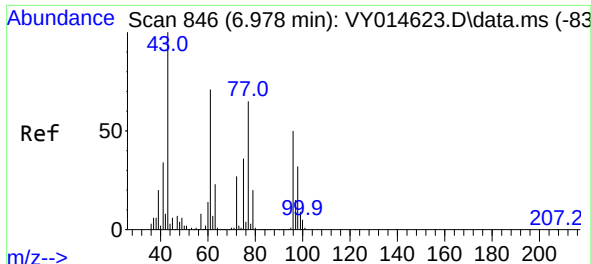
Tgt Ion: 43 Resp: 2159
Ion Ratio Lower Upper
43 100
58 18.0 22.7 34.1#



#20
Methylene Chloride
Concen: 16.710 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Tgt Ion: 84 Resp: 53386
Ion Ratio Lower Upper
84 100
49 110.4 106.9 160.3
51 37.0 33.2 49.8
86 63.3 51.0 76.6

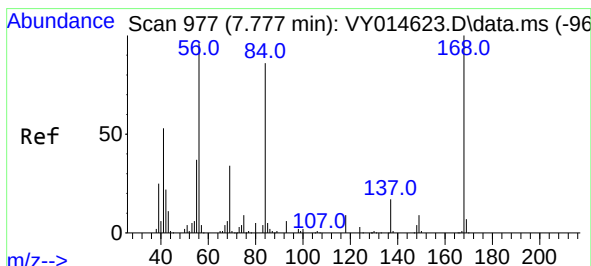
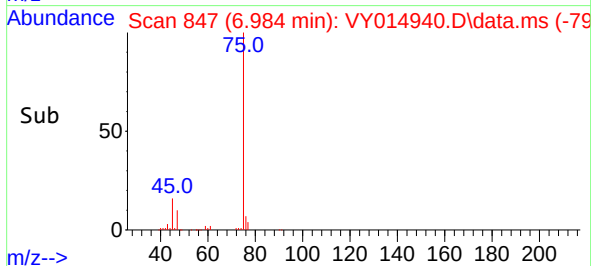
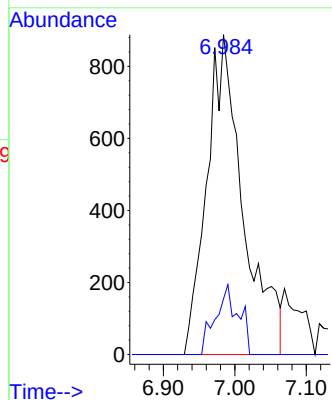
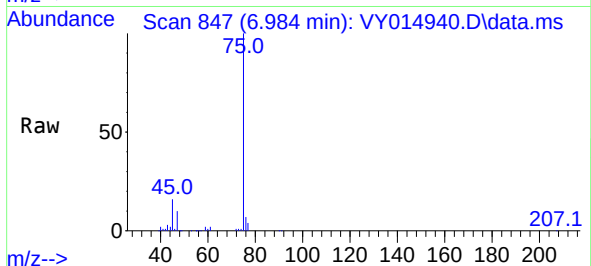




#25
2-Butanone
Concen: 2.551 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

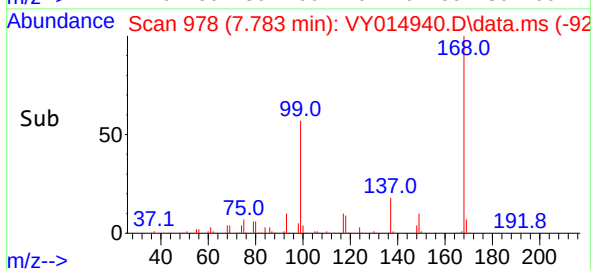
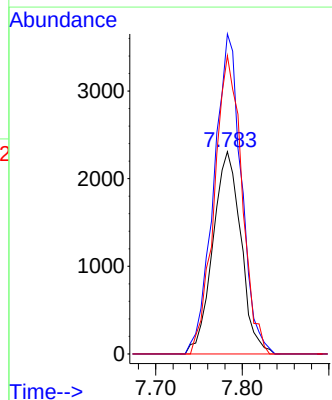
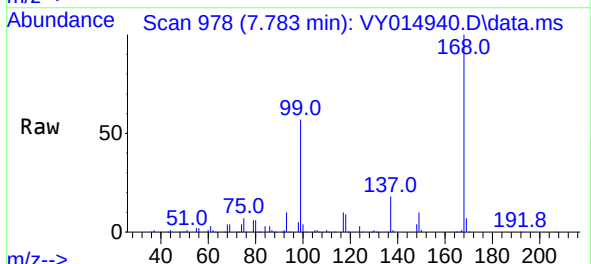
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)MS

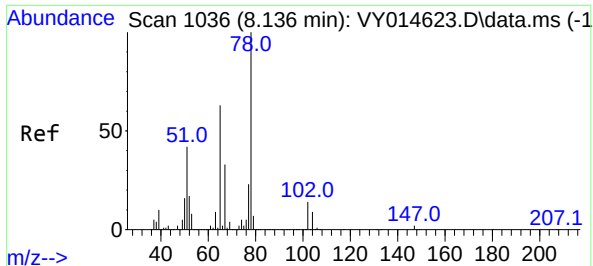
Tgt Ion: 43 Resp: 3142
Ion Ratio Lower Upper
43 100
72 17.5 20.5 30.7#



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Tgt Ion: 56 Resp: 5200
Ion Ratio Lower Upper
56 100
69 158.2 27.8 41.6#
84 147.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.880 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014940.D

Acq: 02 Aug 2023 18:51

Instrument :

MSVOA_Y

ClientSampleId :

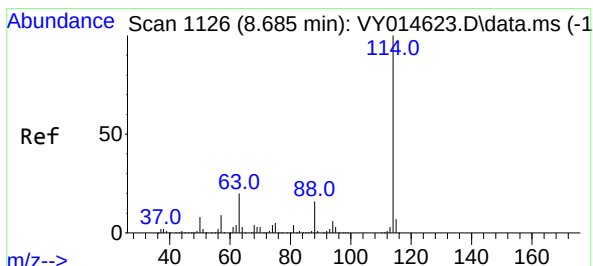
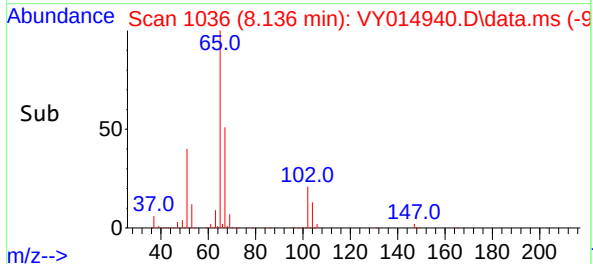
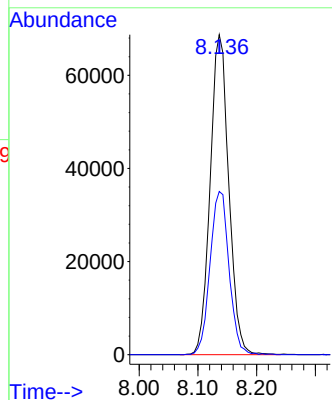
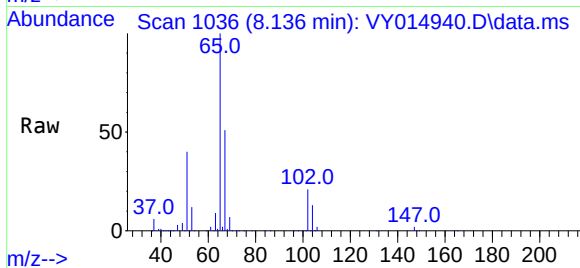
BUILDING-B-11-(10-15)MS

Tgt Ion: 65 Resp: 151101

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: VY014940.D

Acq: 02 Aug 2023 18:51

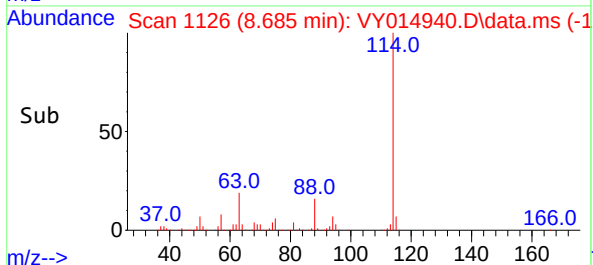
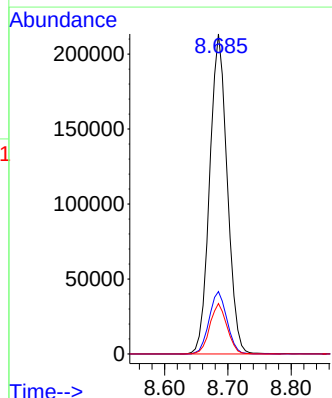
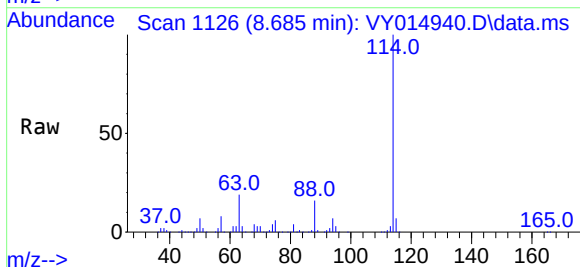
Tgt Ion: 114 Resp: 410569

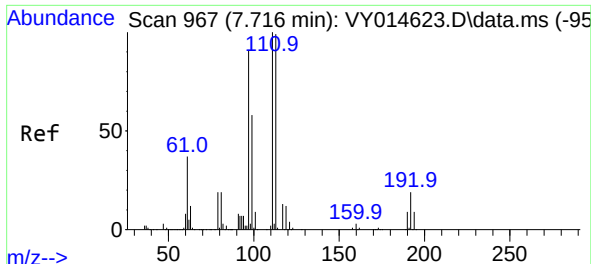
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.7 0.0 30.6

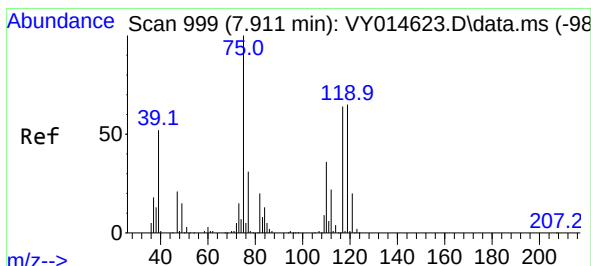
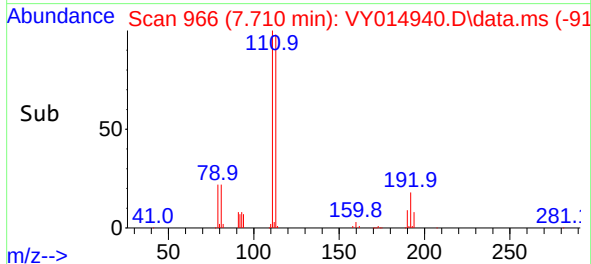
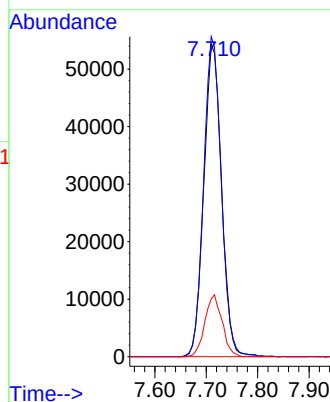
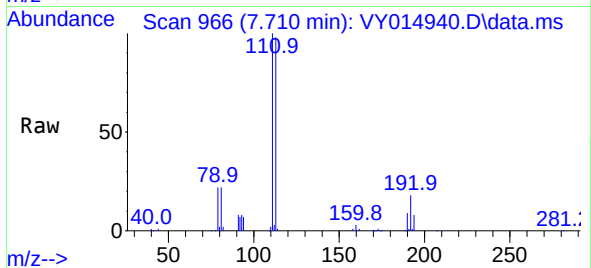




#35
Dibromofluoromethane
Concen: 49.757 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

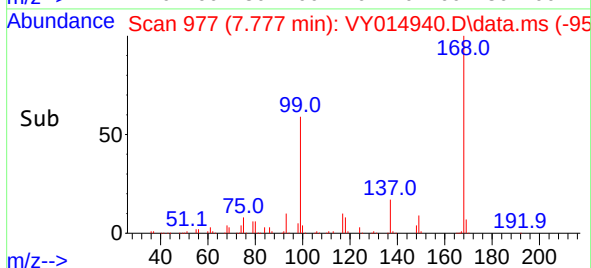
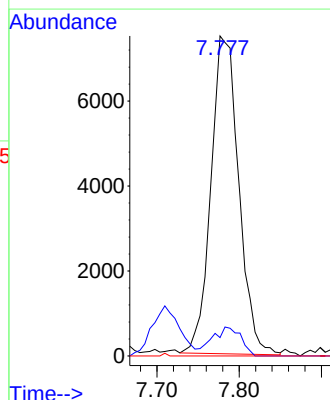
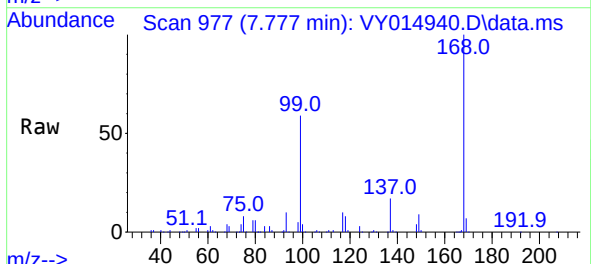
Instrument :
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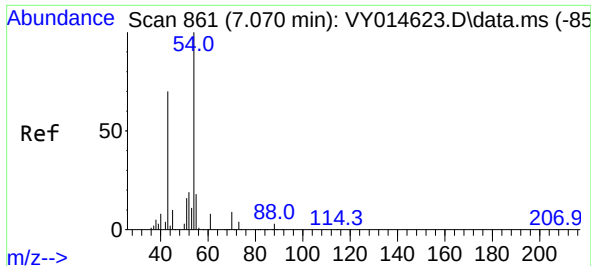
Tgt Ion:113 Resp: 130044
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.499 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Tgt Ion: 75 Resp: 17583
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.168 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY014940.D

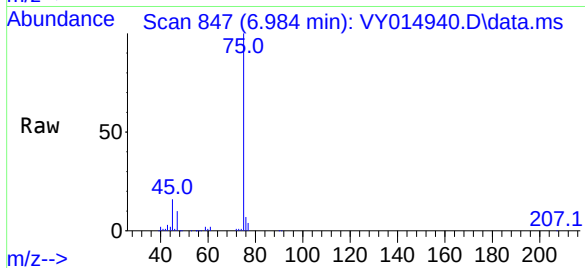
Acq: 02 Aug 2023 18:51

Instrument :

MSVOA_Y

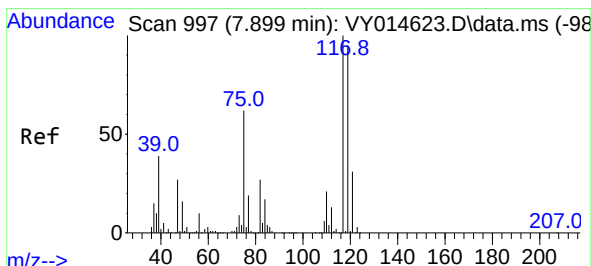
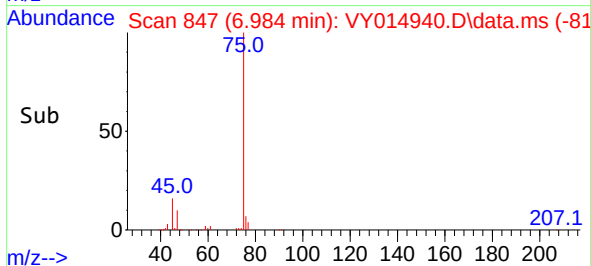
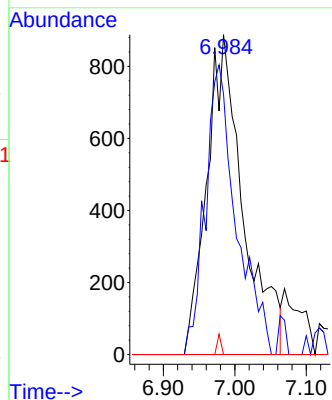
ClientSampleId :

BUILDING-B-11-(10-15)MS



Tgt Ion: 43 Resp: 3142

Ion	Ratio	Lower	Upper
43	100		
61	77.2	10.1	15.1#
70	0.7	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.551 ug/l

RT: 7.783 min Scan# 978

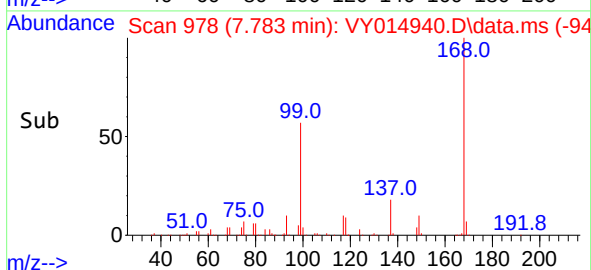
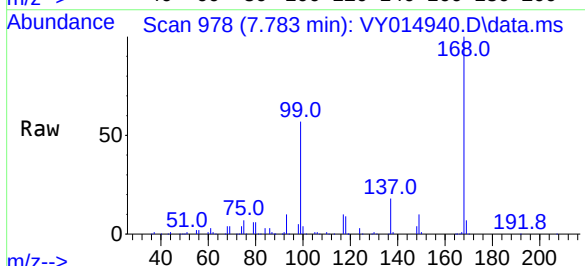
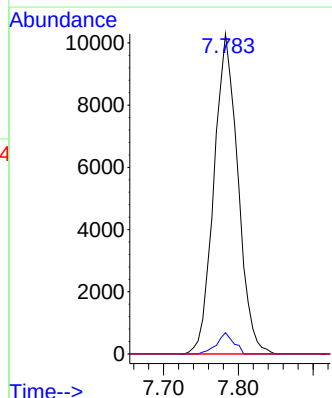
Delta R.T. -0.116 min

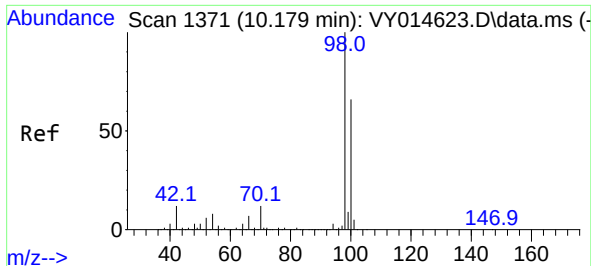
Lab File: VY014940.D

Acq: 02 Aug 2023 18:51

Tgt Ion: 117 Resp: 22933

Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.4	114.6#
121	0.0	25.8	38.6#

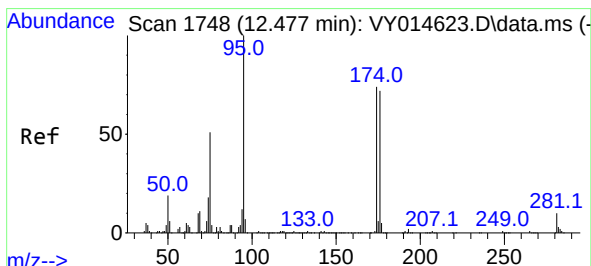
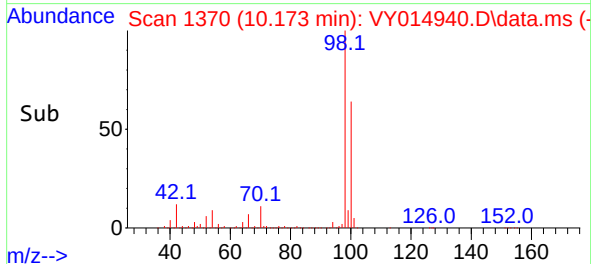
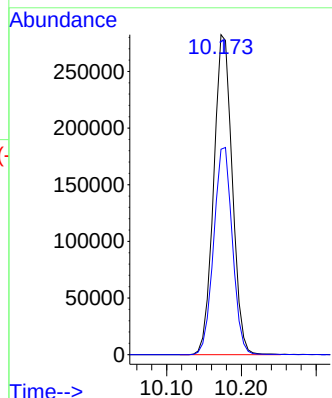
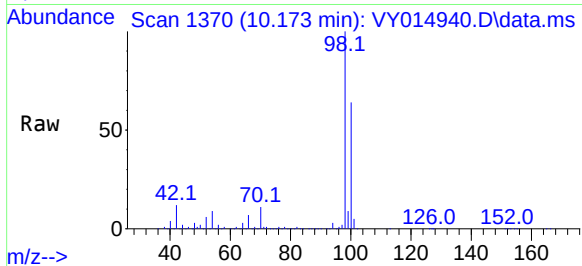




#50
Toluene-d8
Concen: 50.743 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

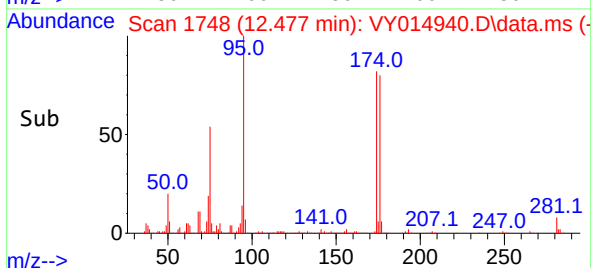
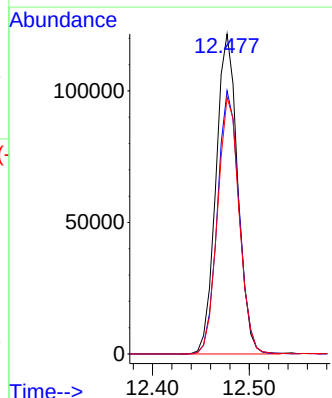
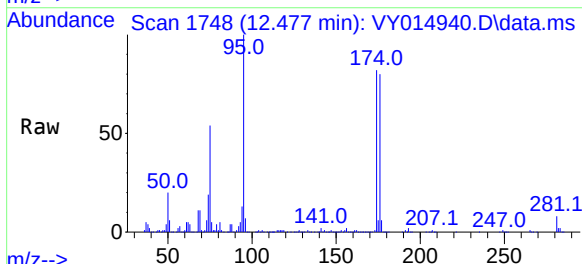
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)MS

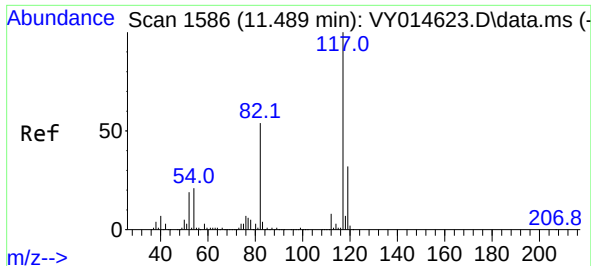
Tgt Ion: 98 Resp: 488946
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.283 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Tgt Ion: 95 Resp: 189475
Ion Ratio Lower Upper
95 100
174 82.1 0.0 178.2
176 79.9 0.0 173.8

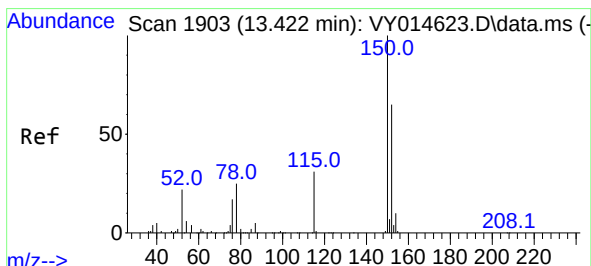
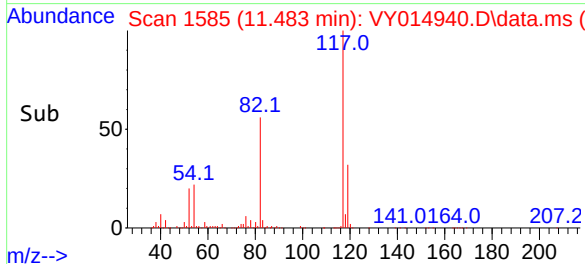
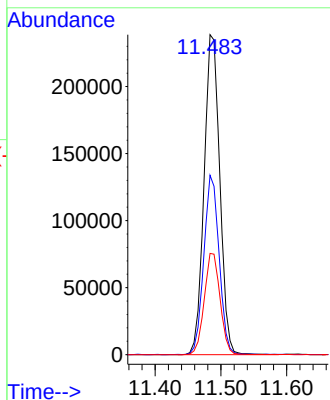
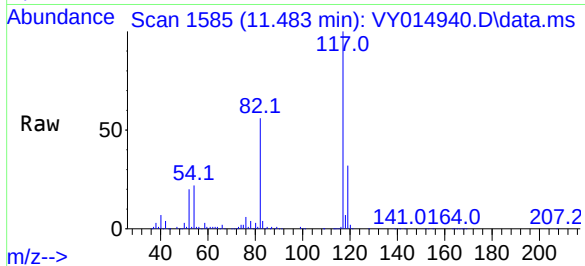




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

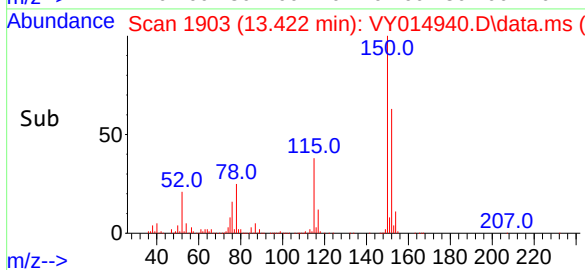
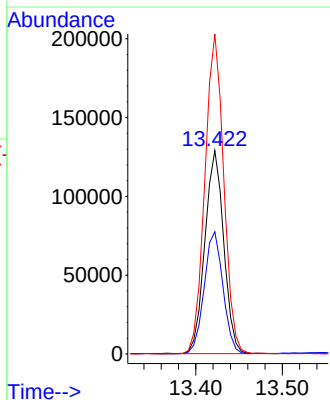
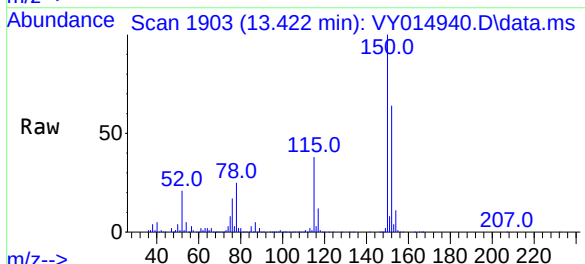
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)MS

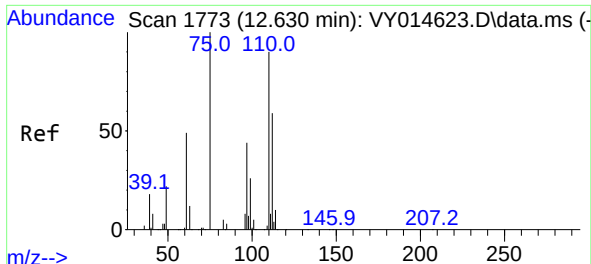
Tgt Ion:117 Resp: 397266
Ion Ratio Lower Upper
117 100
82 55.9 43.4 65.0
119 31.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Tgt Ion:152 Resp: 194958
Ion Ratio Lower Upper
152 100
115 60.0 28.8 86.5
150 158.2 0.0 348.8

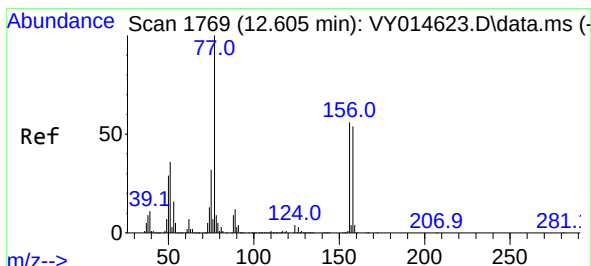
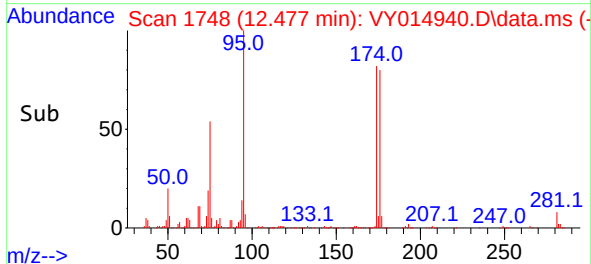
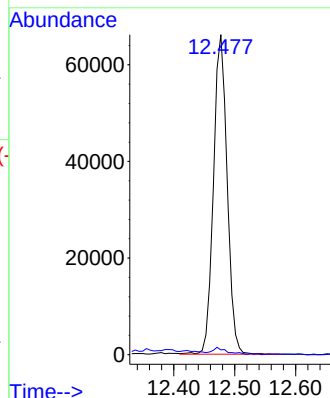
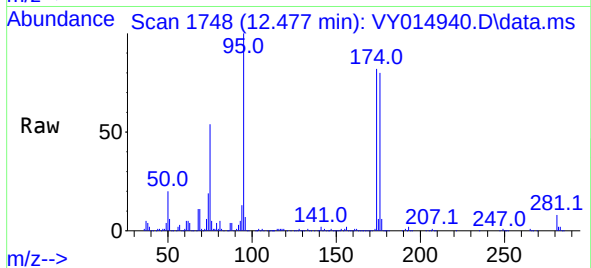




#76
1,2,3-Trichloropropane
Concen: 41.870 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

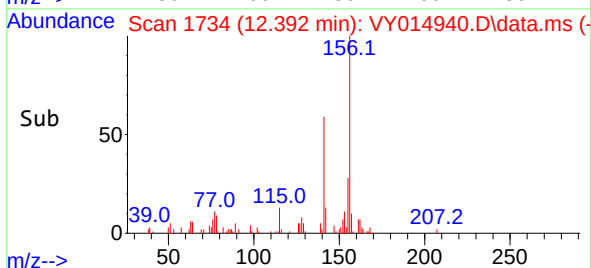
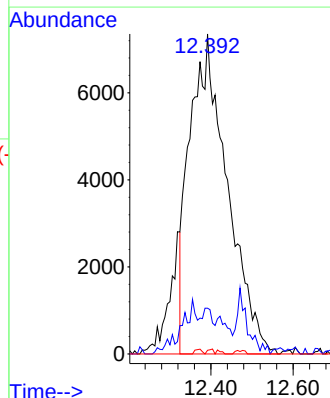
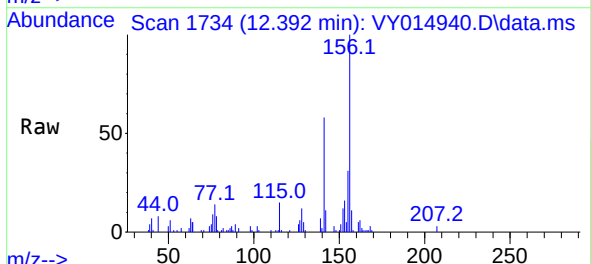
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)MS

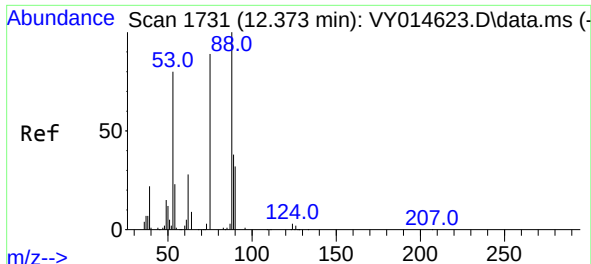
Tgt Ion: 75 Resp: 103094
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#77
Bromobenzene
Concen: 13.356 ug/l
RT: 12.392 min Scan# 1734
Delta R.T. -0.213 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Tgt Ion:156 Resp: 46541
Ion Ratio Lower Upper
156 100
77 1.2 92.8 278.6#
158 0.2 48.4 145.3#

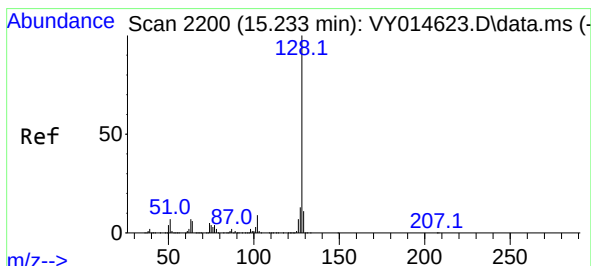
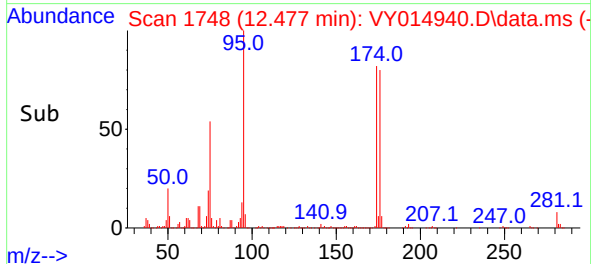
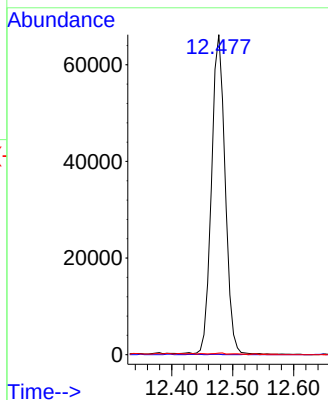
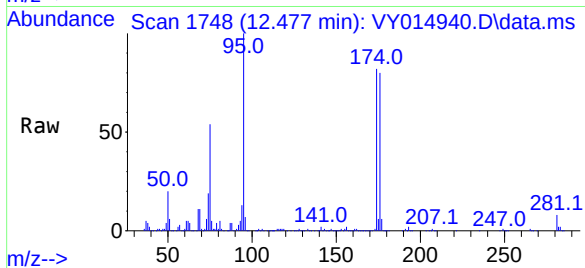




#81
trans-1,4-Dichloro-2-butene
Concen: 81.067 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)MS

Tgt Ion: 75 Resp: 103094
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 6.386 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014940.D
Acq: 02 Aug 2023 18:51

Tgt Ion:128 Resp: 58682
Ion Ratio Lower Upper
128 100
127 13.9 10.8 16.2
129 12.0 8.6 13.0

