

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014909.D
 Acq On : 28 Jul 2023 15:19
 Operator : SY/MD
 Sample : 03815-05
 Misc : 7.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-7-(0-5)

Quant Time: Jul 29 03:06:47 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)

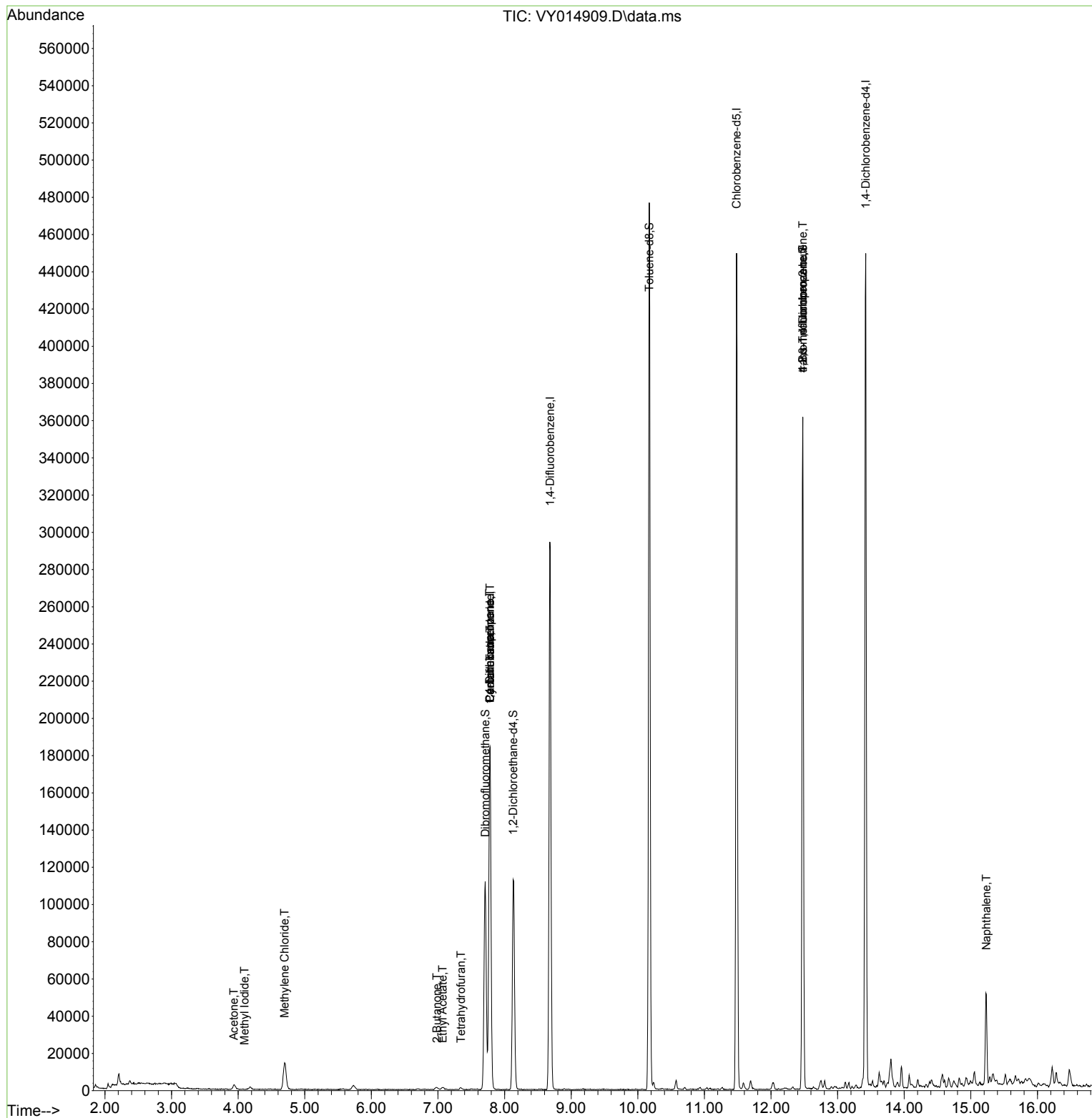
Internal Standards						
1) Pentafluorobenzene	7.783	168	143634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	254091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	241162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	89604	54.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.480%	
35) Dibromofluoromethane	7.710	113	78909	48.785	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.580%	
50) Toluene-d8	10.173	98	302653	50.753	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	12.477	95	108872	47.614	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.220%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	19	2.381	ug/l #	38
11) Tert butyl alcohol	4.960	59	571	Below Cal	#	89
16) Acetone	3.936	43	4871	9.391	ug/l	99
20) Methylene Chloride	4.698	84	11197	2.646	ug/l	91
25) 2-Butanone	6.984	43	1234	1.626	ug/l #	82
29) Tetrahydrofuran	7.344	42	691	1.479	ug/l	93
31) Cyclohexane	7.783	56	3147	1.158	ug/l #	16
36) 1,1-Dichloropropene	7.777	75	11128	4.600	ug/l #	51
37) Ethyl Acetate	7.070	43	2218	1.332	ug/l #	86
38) Carbon Tetrachloride	7.783	117	14194	5.551	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	58009	40.455	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58009	78.328	ug/l #	10
95) Naphthalene	15.233	128	41287	7.715	ug/l	99

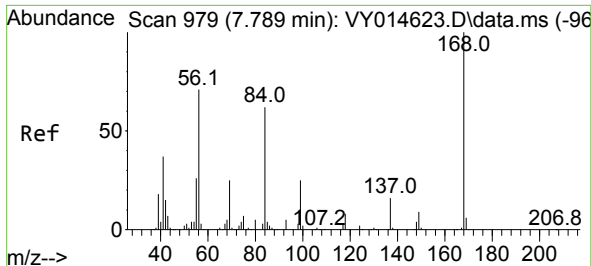
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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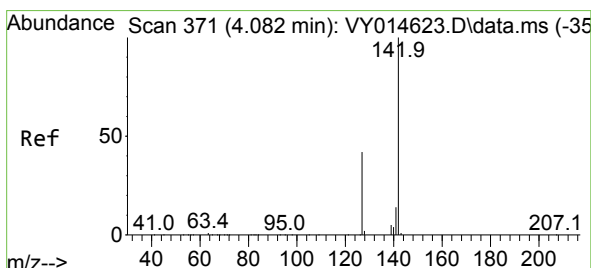
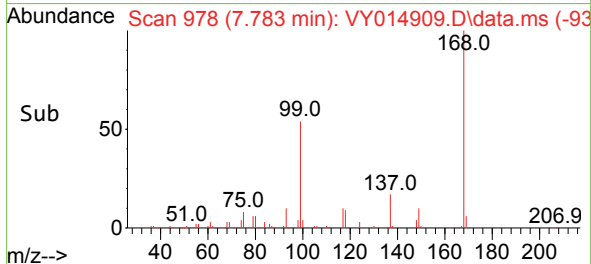
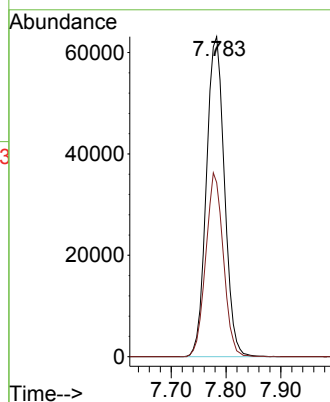
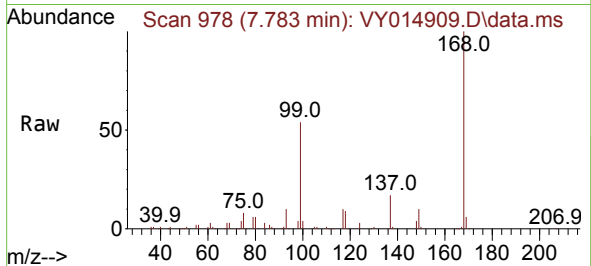




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

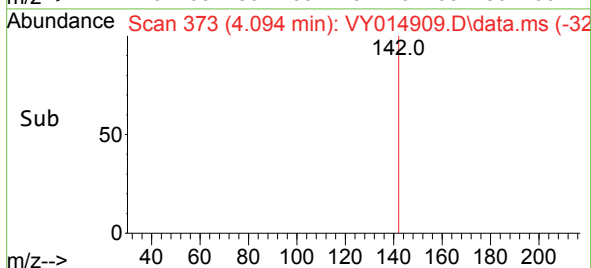
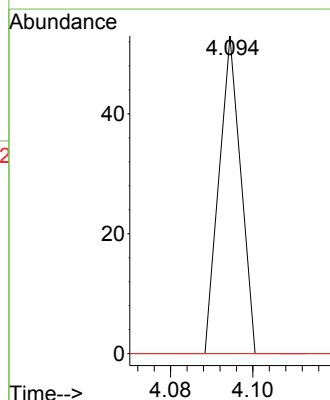
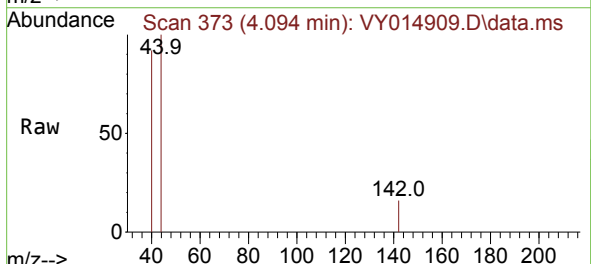
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-7-(0-5)

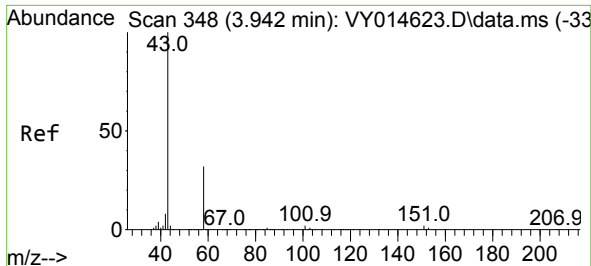
Tgt Ion:168 Resp: 143634
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#10
Methyl Iodide
Concen: 2.381 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

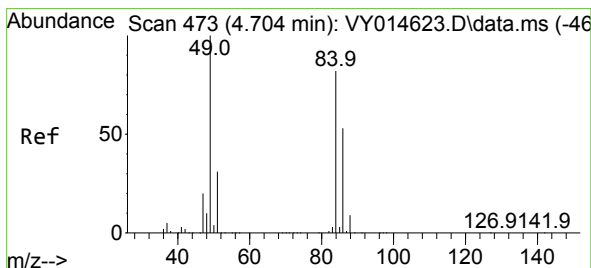
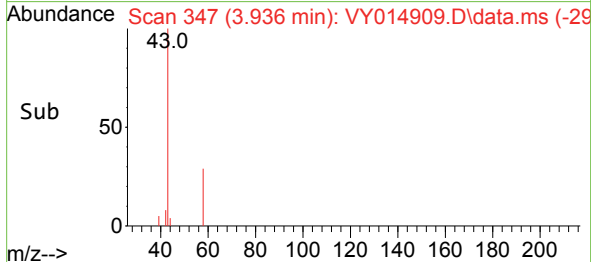
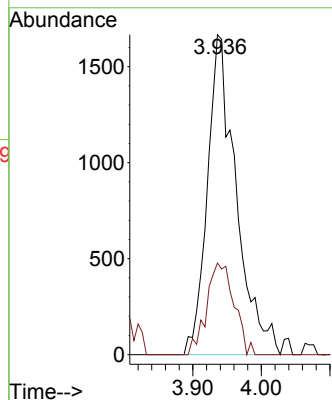
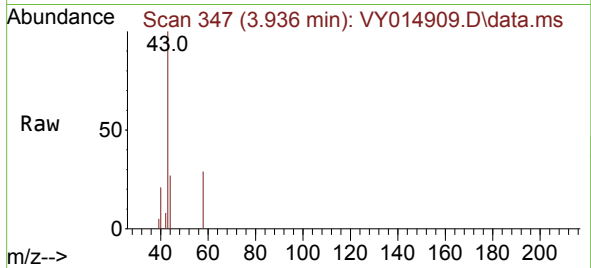




#16
Acetone
Concen: 9.391 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

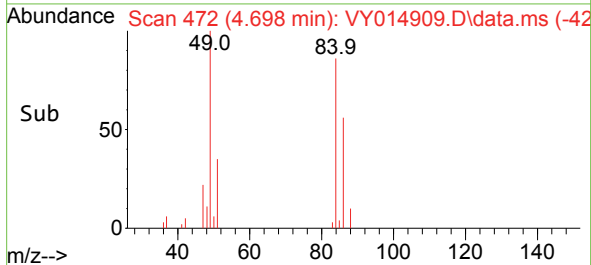
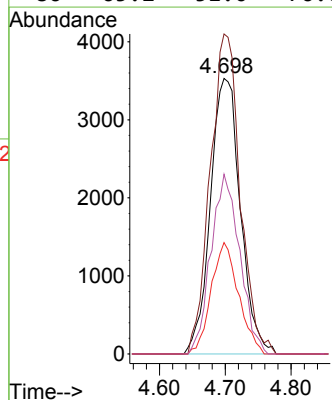
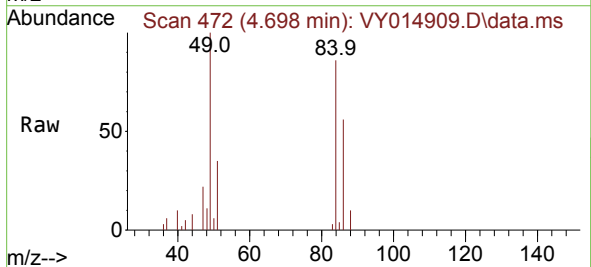
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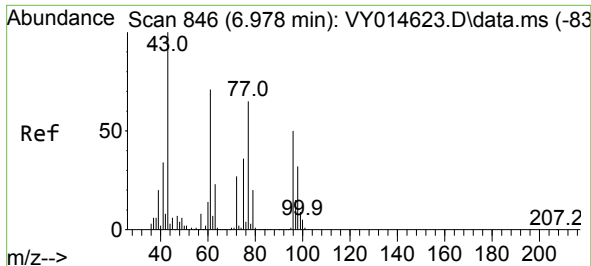
Tgt Ion: 43 Resp: 4871
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1



#20
Methylene Chloride
Concen: 2.646 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion: 84 Resp: 11197
Ion Ratio Lower Upper
84 100
49 116.1 106.9 160.3
51 40.4 33.2 49.8
86 65.2 51.0 76.6

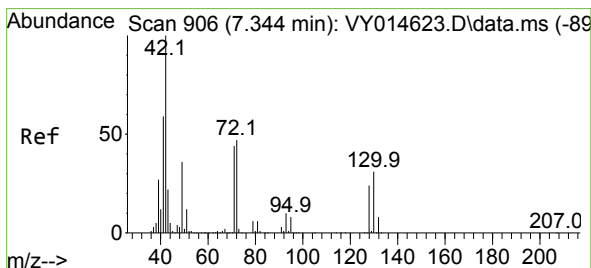
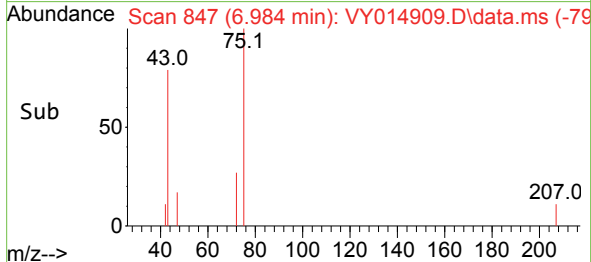
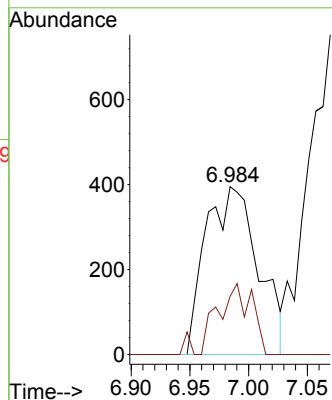
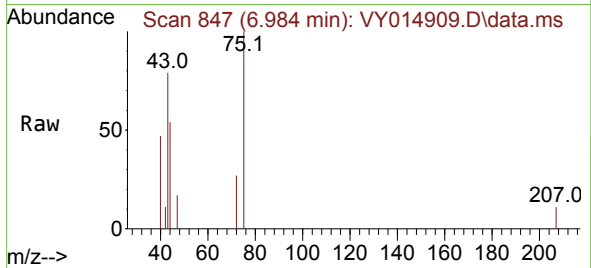




#25
2-Butanone
Concen: 1.626 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

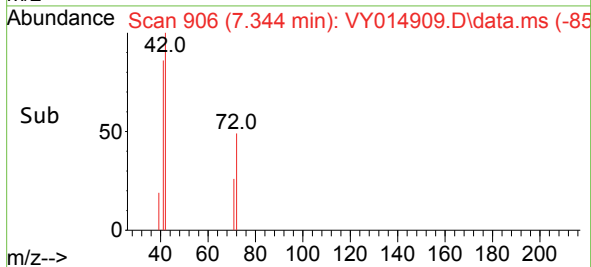
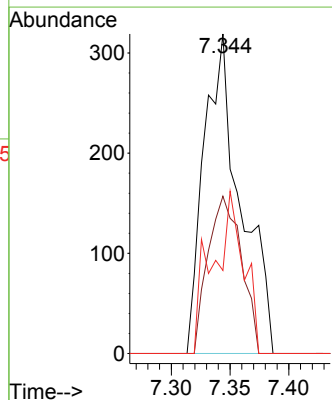
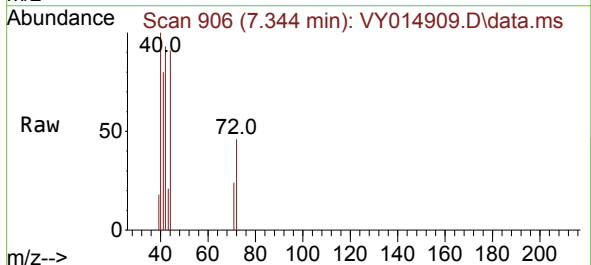
Instrument :
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BUILDING-B-7-(0-5)

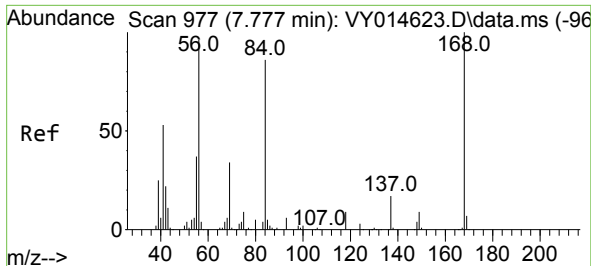
Tgt Ion: 43 Resp: 1234
Ion Ratio Lower Upper
43 100
72 34.7 20.5 30.7#



#29
Tetrahydrofuran
Concen: 1.479 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion: 42 Resp: 691
Ion Ratio Lower Upper
42 100
72 45.0 32.8 49.2
71 43.0 31.0 46.4

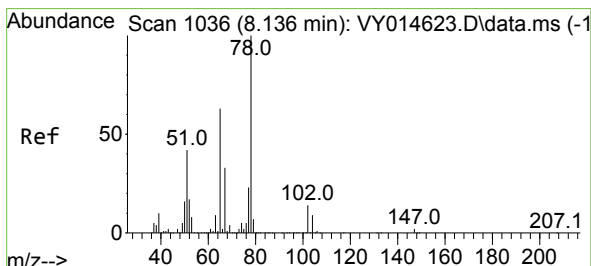
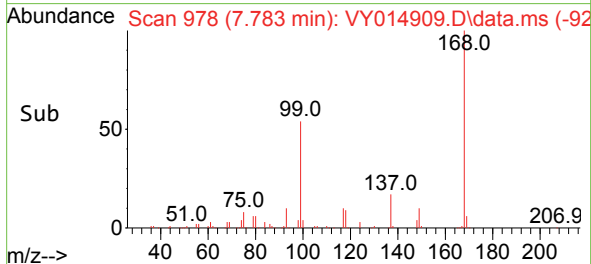
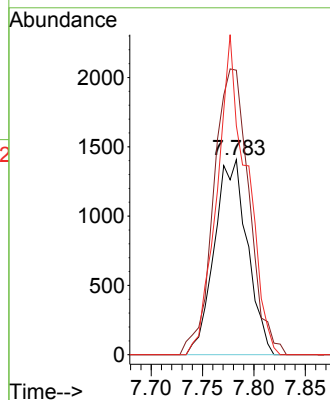
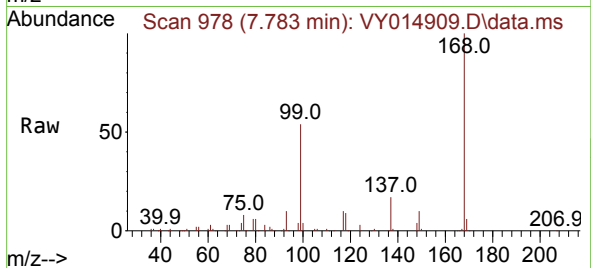




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

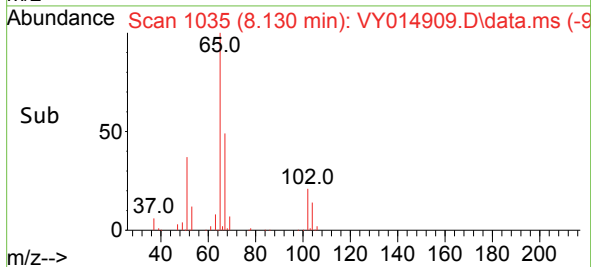
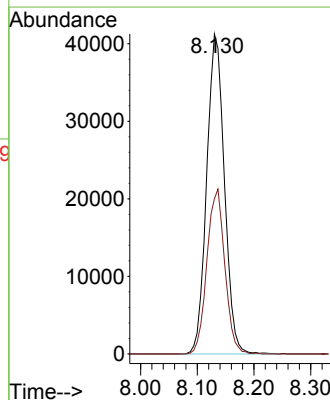
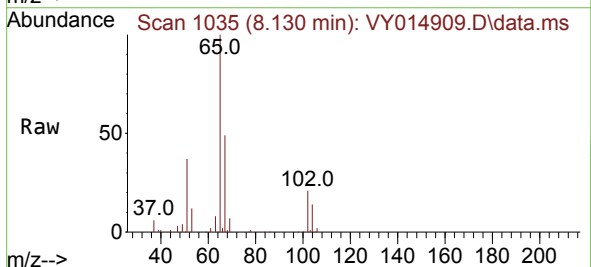
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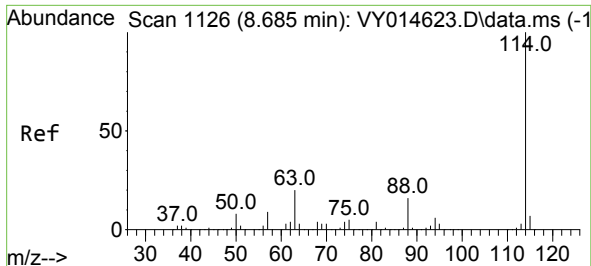
Tgt Ion: 56 Resp: 3147
Ion Ratio Lower Upper
56 100
69 145.8 27.8 41.6#
84 117.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.745 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion: 65 Resp: 89604
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8

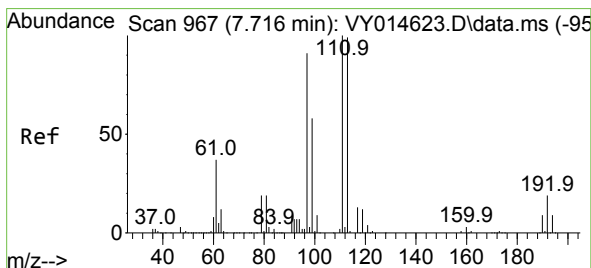
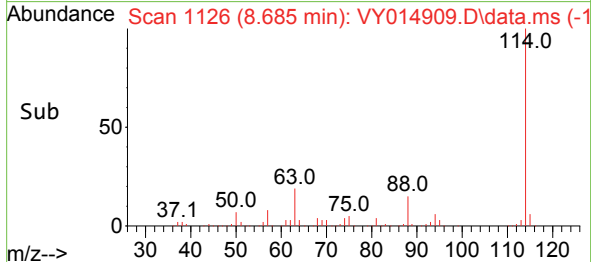
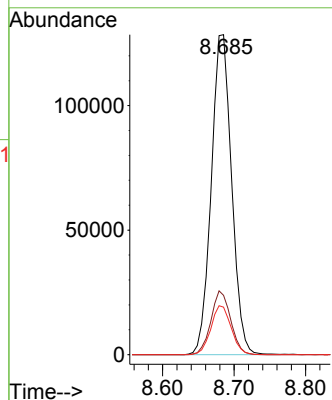
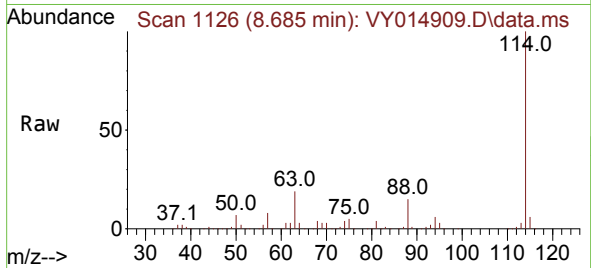




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

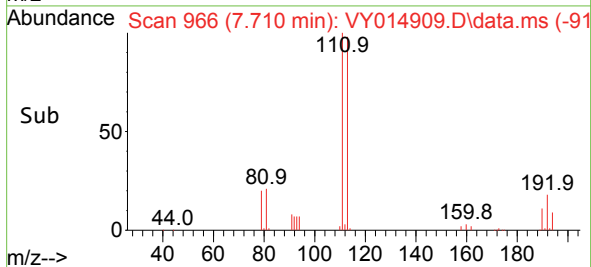
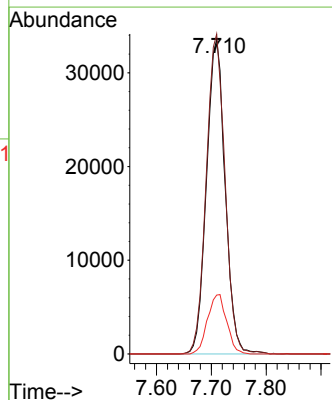
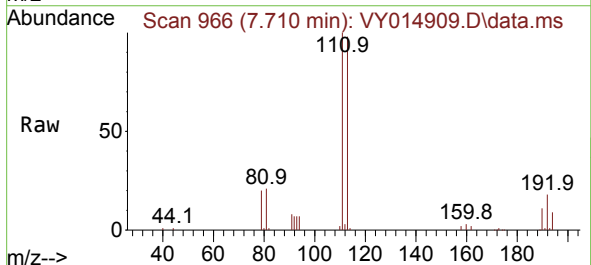
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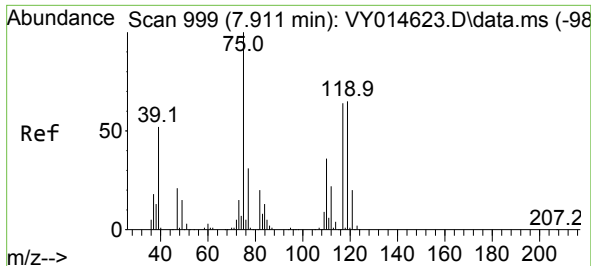
Tgt Ion:114 Resp: 254091
Ion Ratio Lower Upper
114 100
63 18.5 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.785 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion:113 Resp: 78909
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.4 16.9 25.3

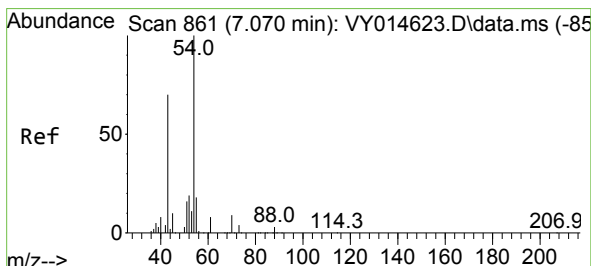
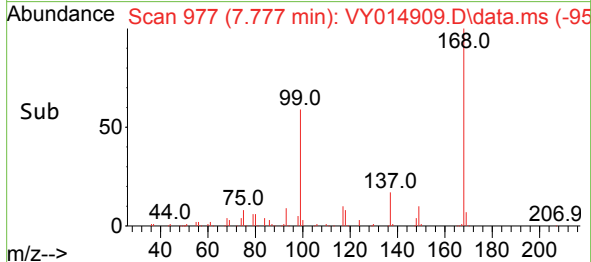
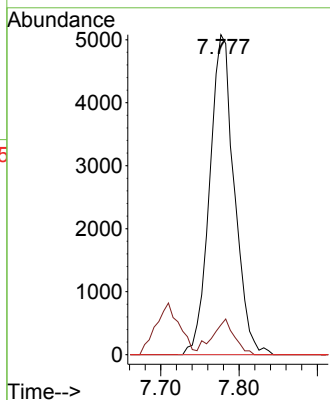
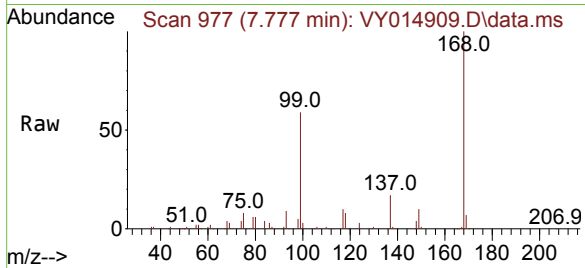




#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

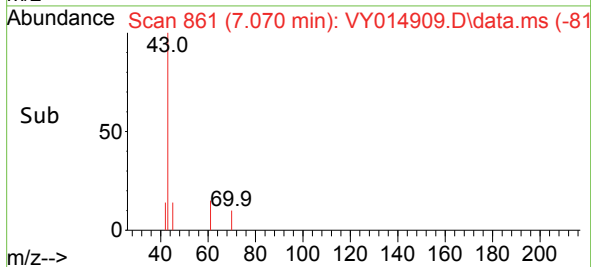
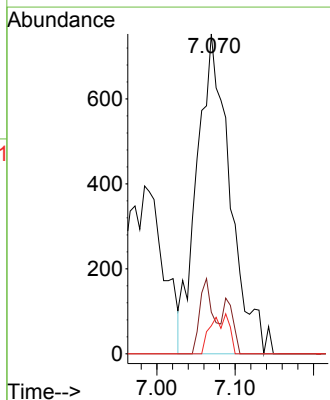
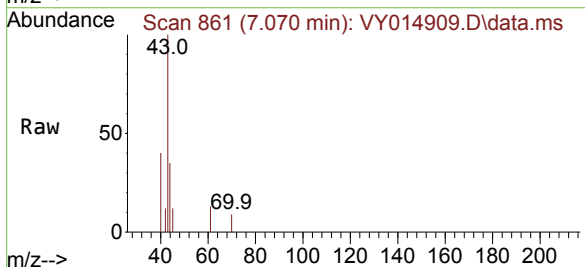
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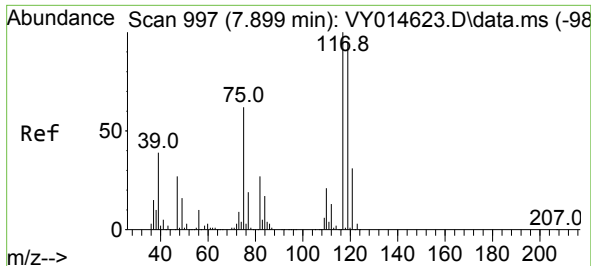
Tgt Ion: 75 Resp: 11128
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.332 ug/l
RT: 7.070 min Scan# 861
Delta R.T. -0.000 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
61 10.1 10.1 15.1
70 0.0 7.1 10.7#

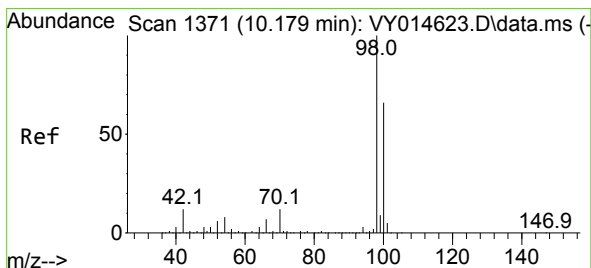
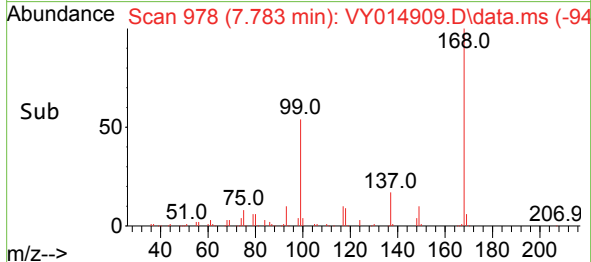
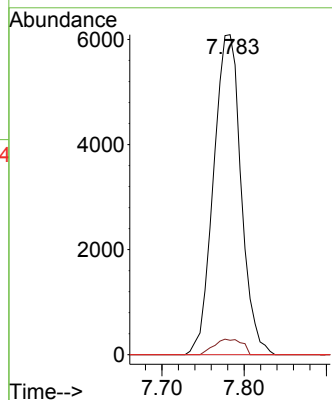
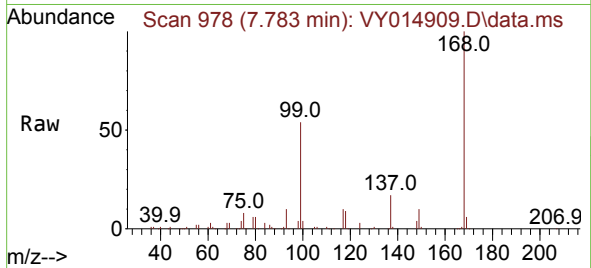




#38
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

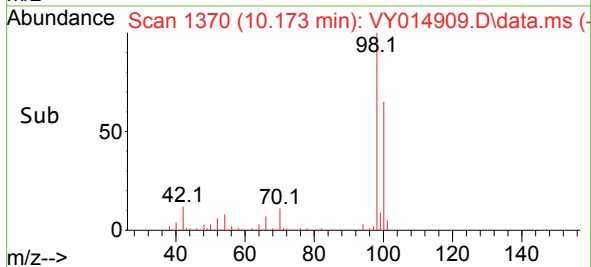
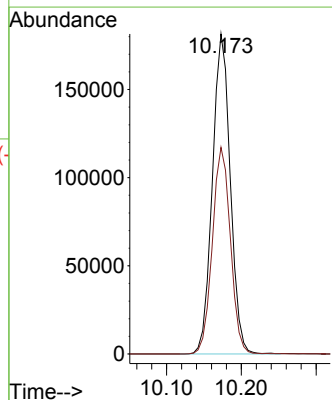
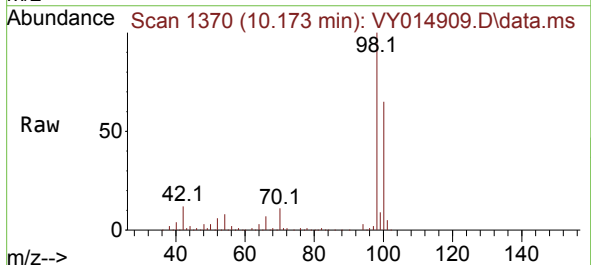
Instrument :
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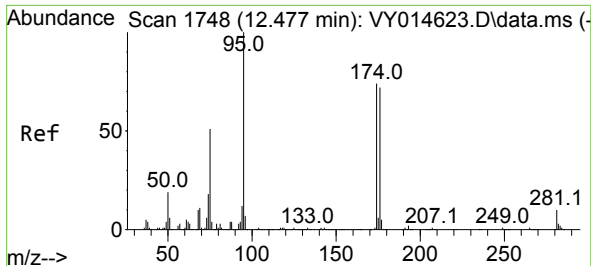
Tgt Ion:117 Resp: 14194
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.753 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion: 98 Resp: 302653
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

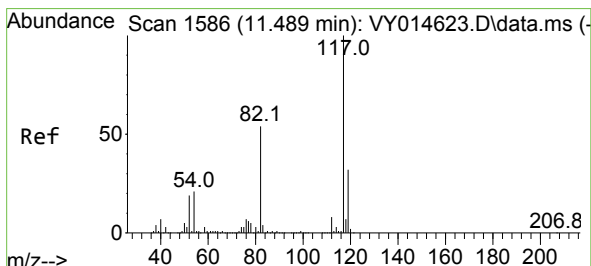
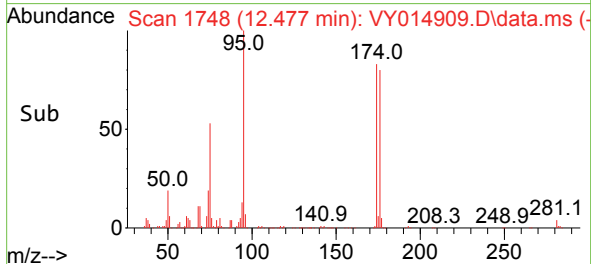
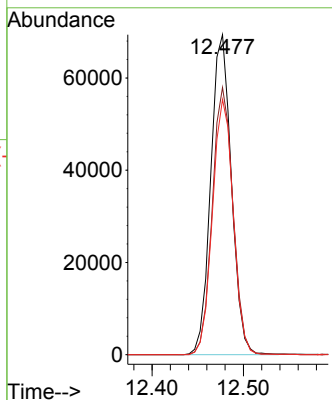
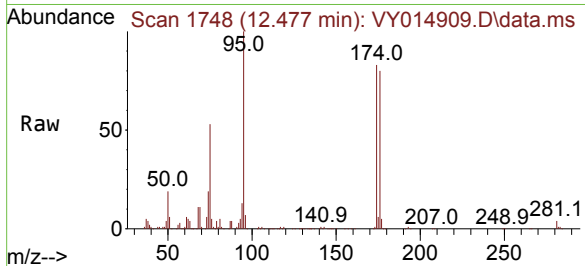




#62
4-Bromofluorobenzene
Concen: 47.614 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

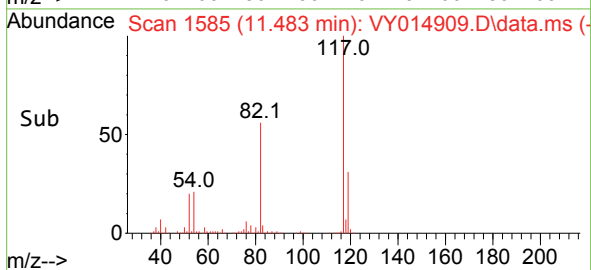
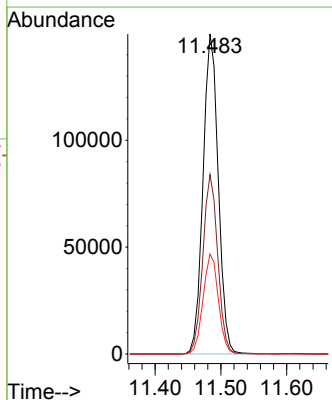
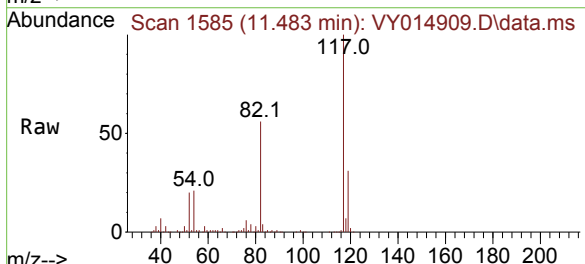
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-7-(0-5)

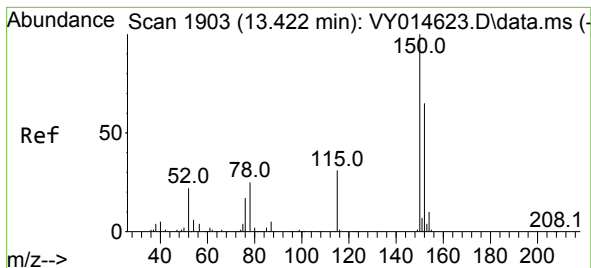
Tgt Ion: 95 Resp: 108872
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 80.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion: 117 Resp: 241162
Ion Ratio Lower Upper
117 100
82 56.0 43.4 65.0
119 31.2 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: VY014909.D

Acq: 28 Jul 2023 15:19

Instrument :

MSVOA_Y

ClientSampleId :

BUILDING-B-7-(0-5)

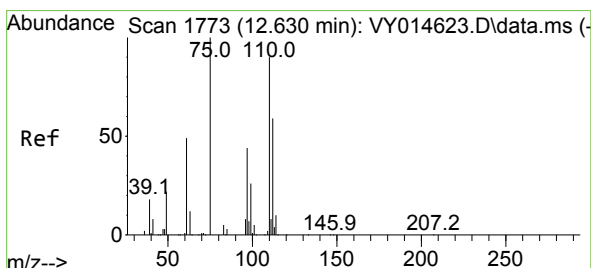
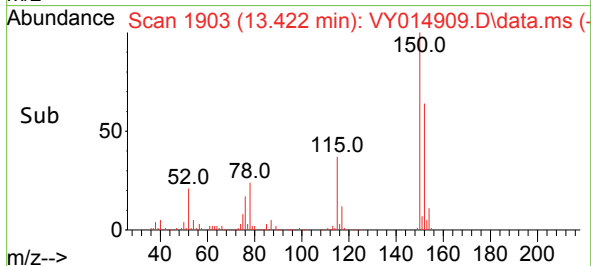
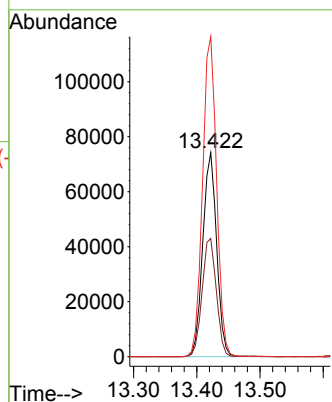
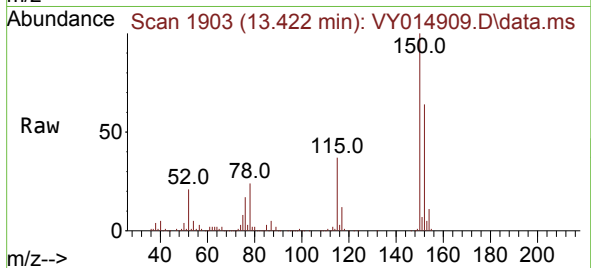
Tgt Ion:152 Resp: 113535

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: 40.455 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014909.D

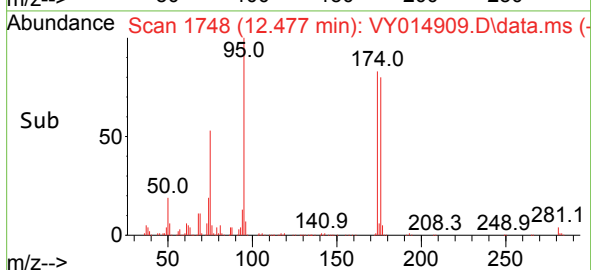
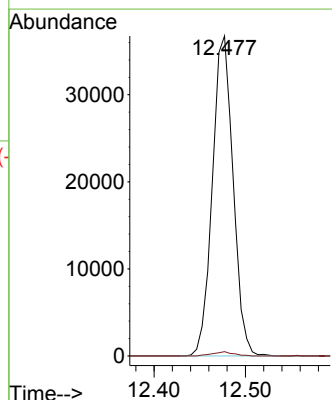
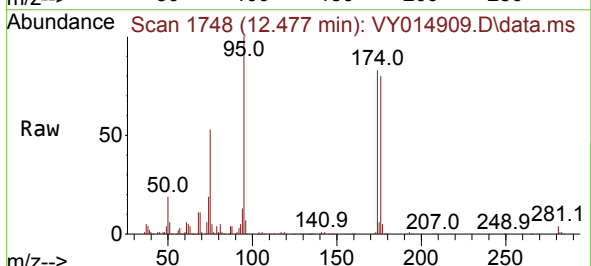
Acq: 28 Jul 2023 15:19

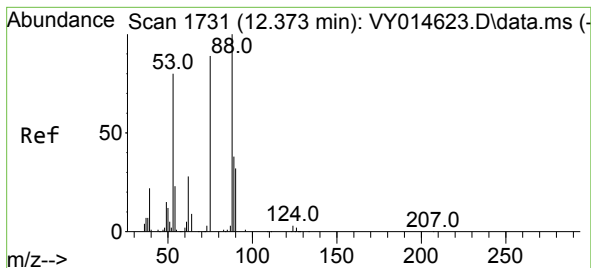
Tgt Ion: 75 Resp: 58009

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

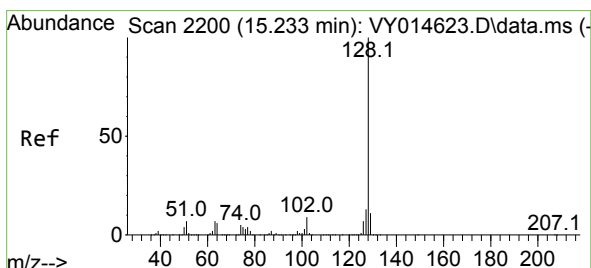
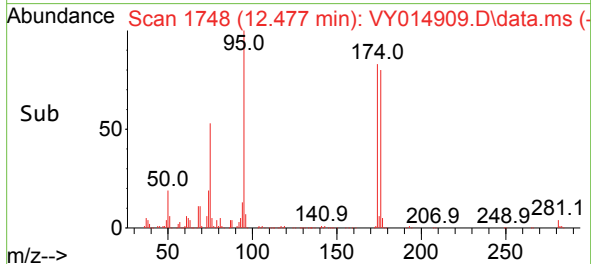
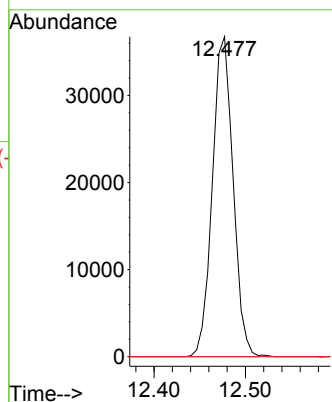
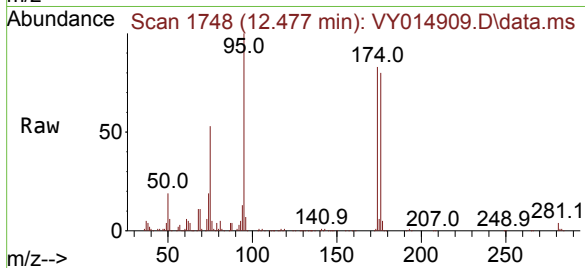




#81
trans-1,4-Dichloro-2-butene
Concen: 78.328 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-7-(0-5)

Tgt Ion: 75 Resp: 58009
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 7.715 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014909.D
Acq: 28 Jul 2023 15:19

Tgt Ion: 128 Resp: 41287
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 11.3 8.6 13.0

