

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
 Data File : VY013174.D
 Acq On : 03 Apr 2023 14:35
 Operator : KP/MD
 Sample : 02163-05
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5A

Quant Time: Apr 03 23:08:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

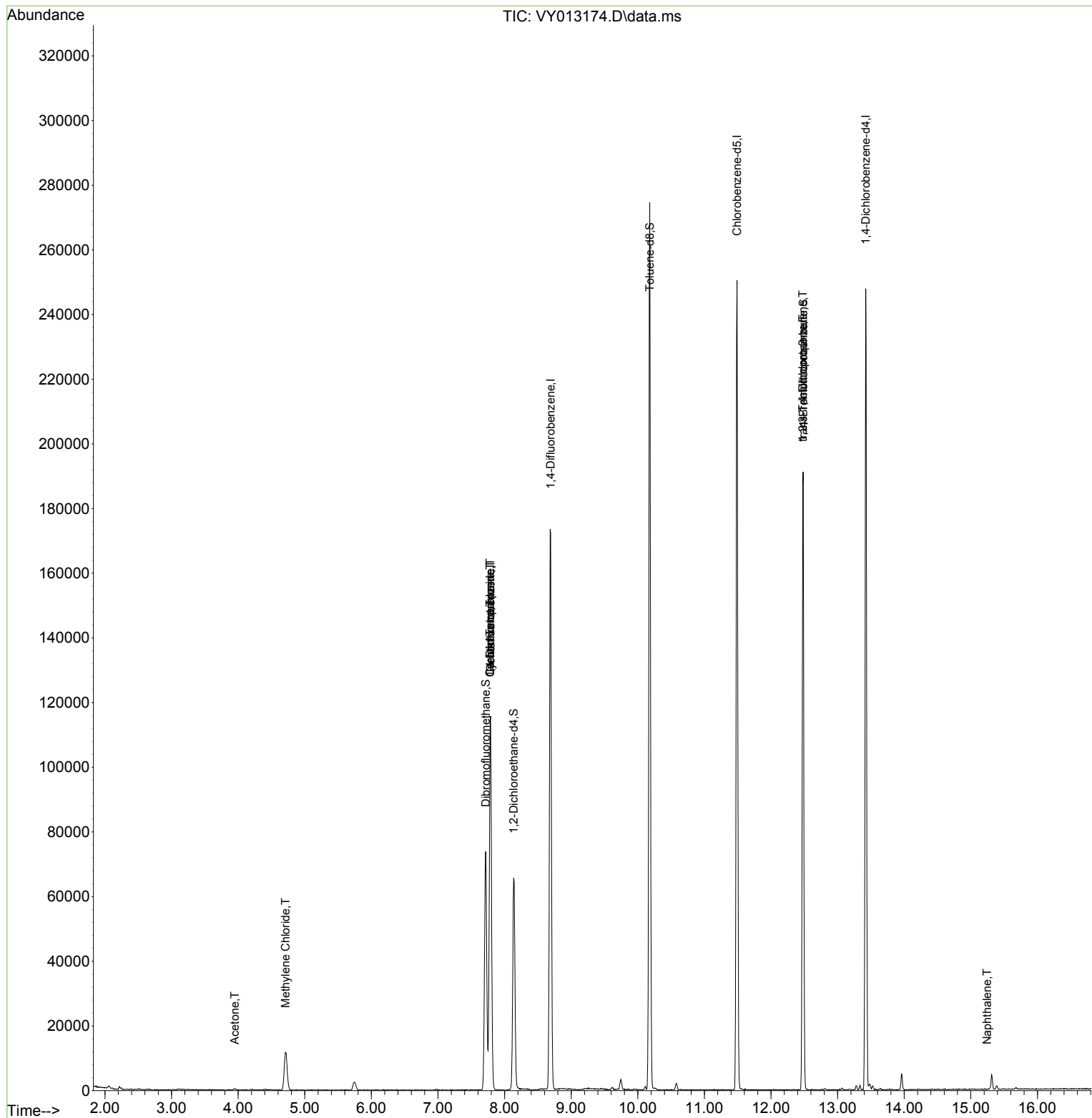
Internal Standards						
1) Pentafluorobenzene	7.789	168	93352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	150532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	139267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	65619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54190	54.015	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.716	113	50071	50.917	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.840%	
50) Toluene-d8	10.179	98	178640	48.120	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.240%	
62) 4-Bromofluorobenzene	12.483	95	55907	46.266	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	746	2.432	ug/l	94
20) Methylene Chloride	4.710	84	9128	3.640	ug/l	95
31) Cyclohexane	7.783	56	1779	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	6245	4.218	ug/l #	51
38) Carbon Tetrachloride	7.783	117	8719	5.338	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	28921	39.233	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	28921	87.495	ug/l #	13
95) Naphthalene	15.245	128	67	3.259	ug/l #	69

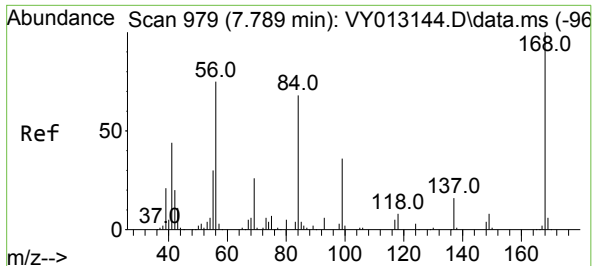
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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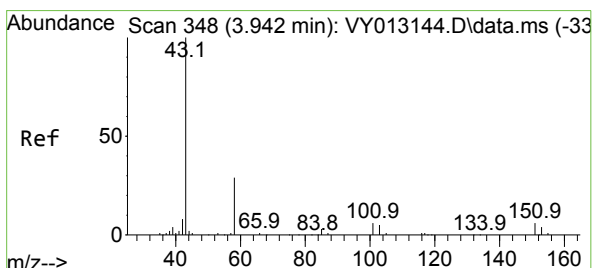
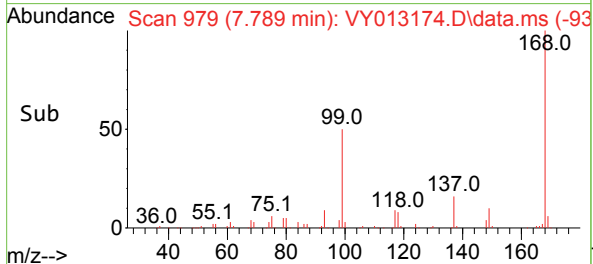
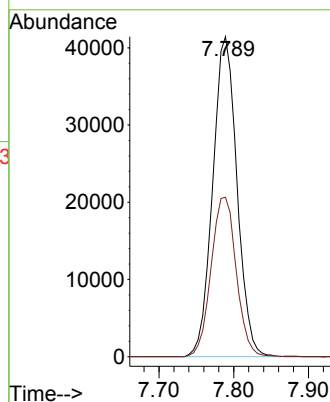
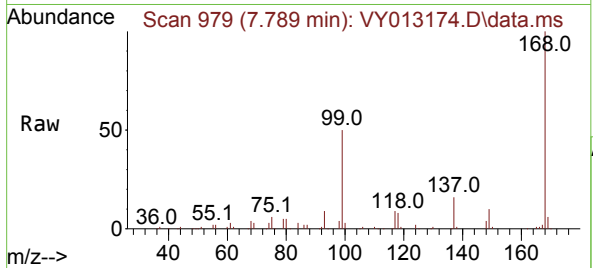




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

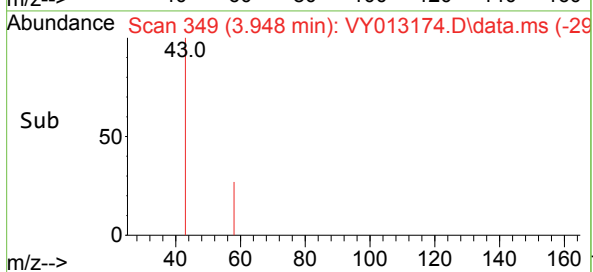
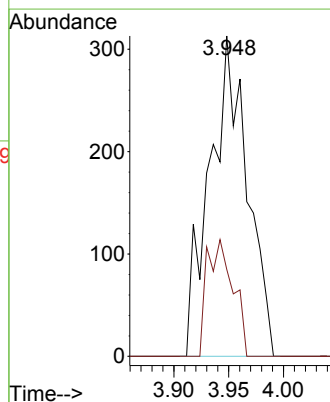
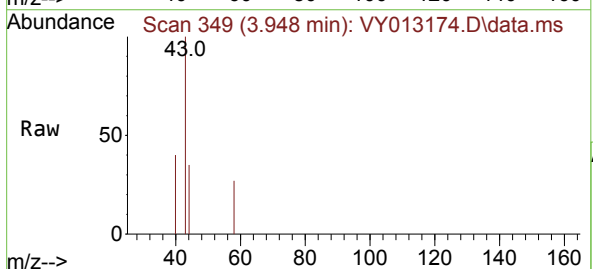
Instrument :
MSVOA_Y
ClientSampleId :
SB-5A

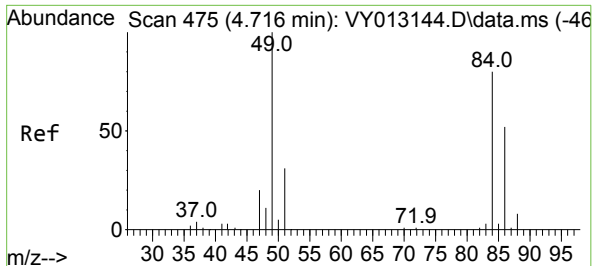
Tgt Ion:168 Resp: 93352
Ion Ratio Lower Upper
168 100
99 49.8 41.7 62.5



#16
Acetone
Concen: 2.432 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
58 27.2 24.2 36.2



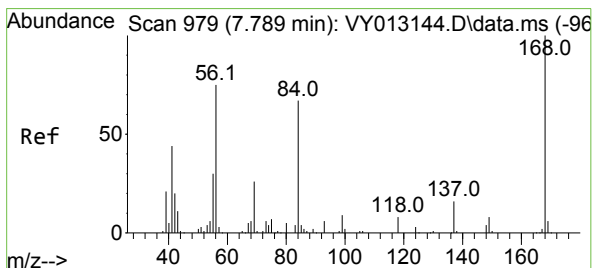
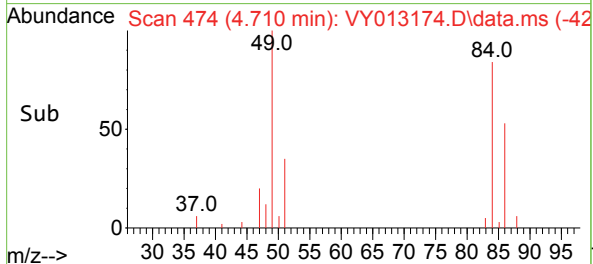
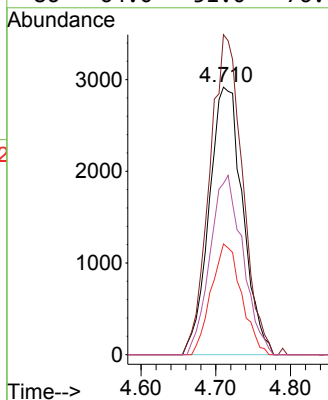
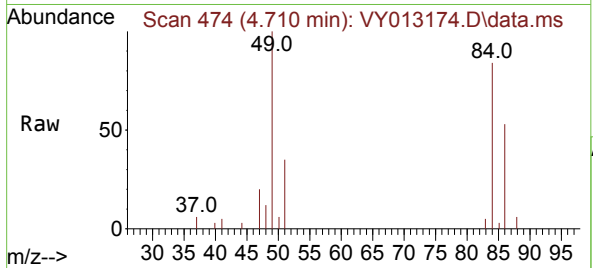


#20
Methylene Chloride
Concen: 3.640 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

Instrument :
MSVOA_Y
ClientSampleId :
SB-5A

Tgt Ion: 84 Resp: 9128

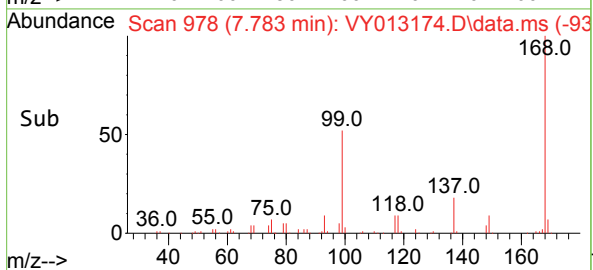
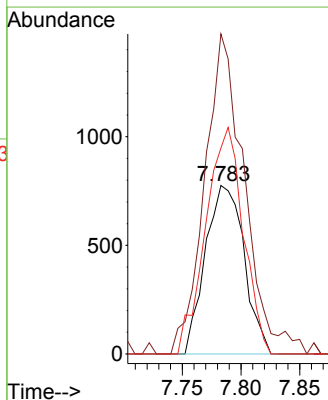
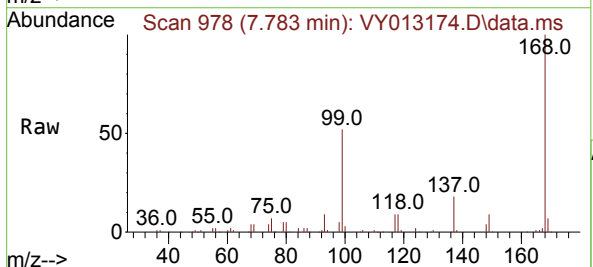
Ion	Ratio	Lower	Upper
84	100		
49	119.6	102.6	154.0
51	41.4	31.9	47.9
86	64.0	51.0	76.6

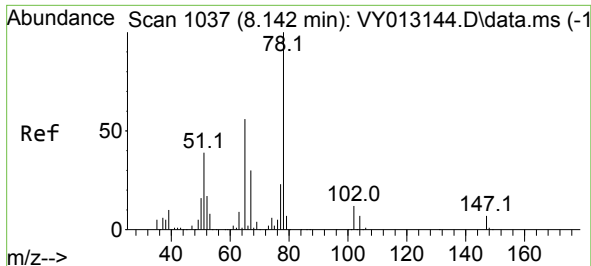


#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

Tgt Ion: 56 Resp: 1779

Ion	Ratio	Lower	Upper
56	100		
69	179.0	25.7	38.5#
84	122.2	64.3	96.5#

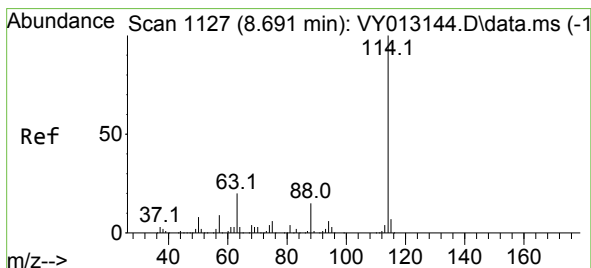
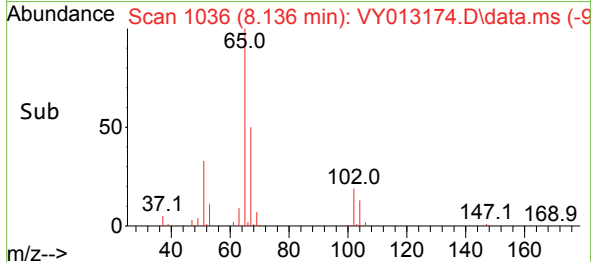
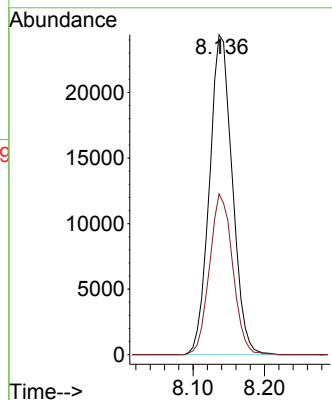
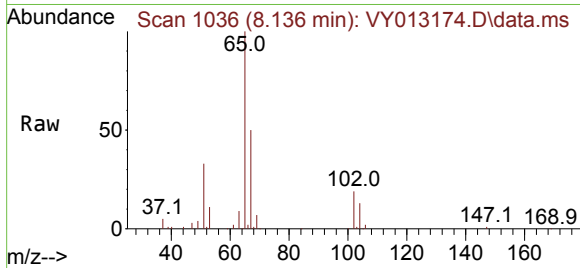




#33
 1,2-Dichloroethane-d4
 Concen: 54.015 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY013174.D
 Acq: 03 Apr 2023 14:35

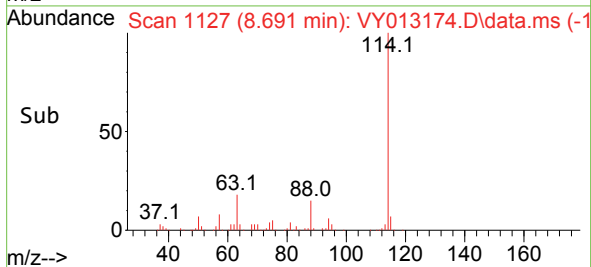
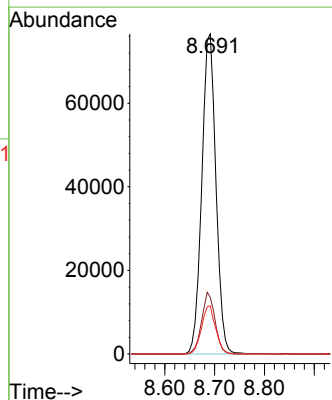
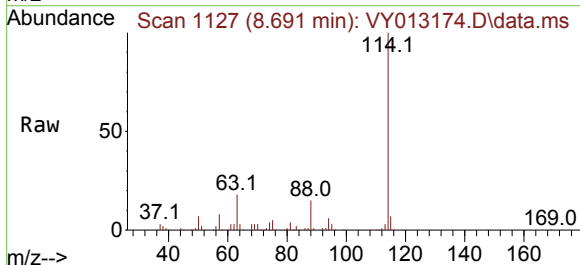
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5A

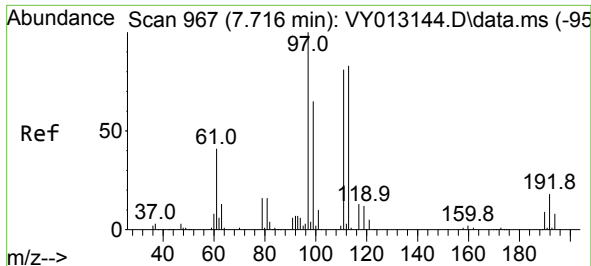
Tgt Ion: 65 Resp: 54190
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY013174.D
 Acq: 03 Apr 2023 14:35

Tgt Ion: 114 Resp: 150532
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.4
 88 15.1 0.0 28.6

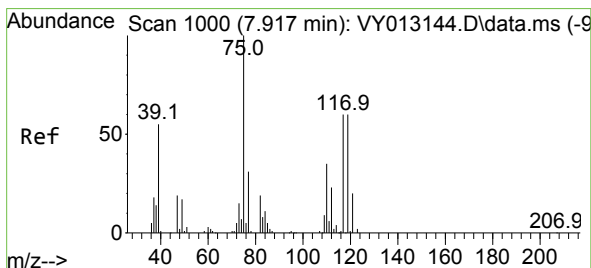
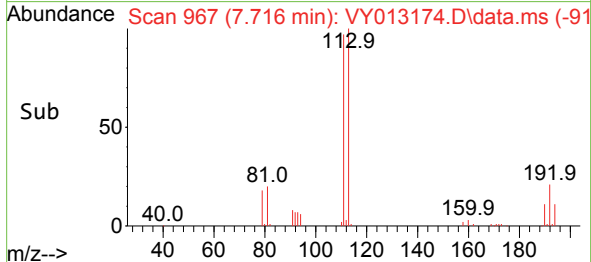
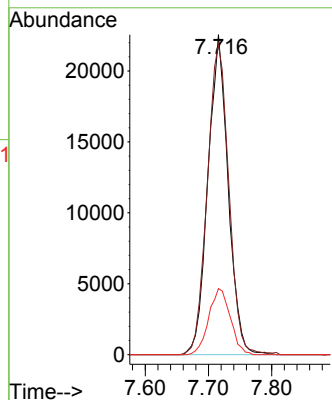
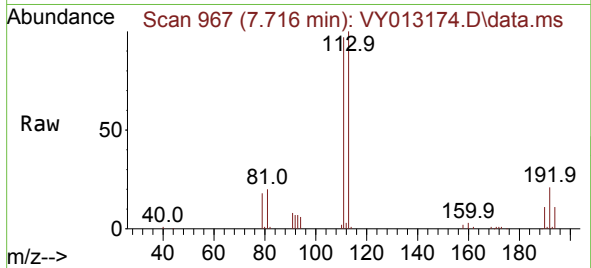




#35
Dibromofluoromethane
Concen: 50.917 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

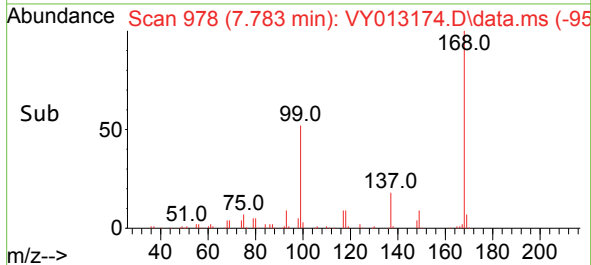
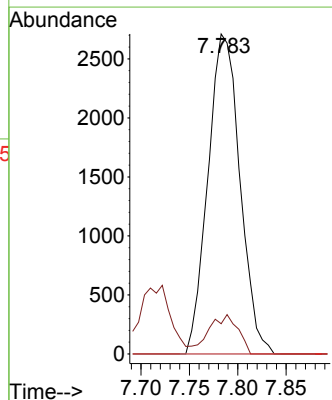
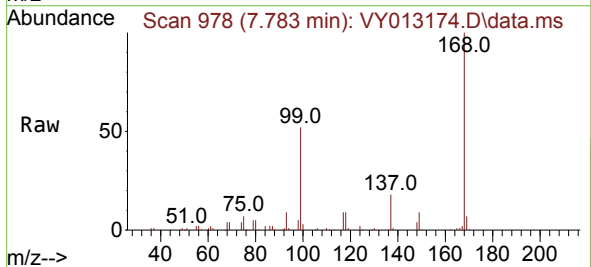
Instrument :
MSVOA_Y
ClientSampleId :
SB-5A

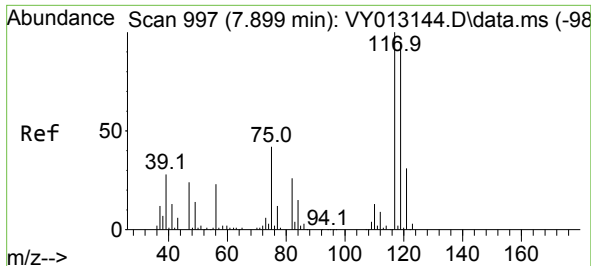
Tgt Ion:113 Resp: 50071
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 22.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.218 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

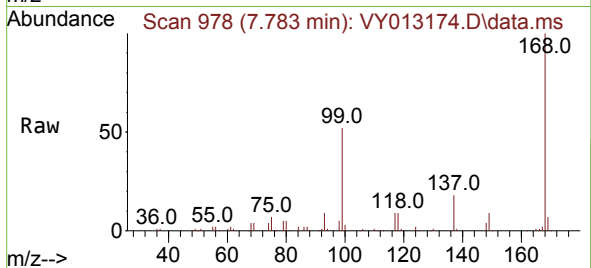
Tgt Ion: 75 Resp: 6245
Ion Ratio Lower Upper
75 100
110 11.0 17.8 53.3#
77 0.0 25.0 37.4#



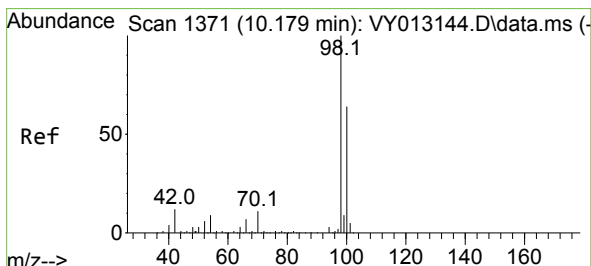
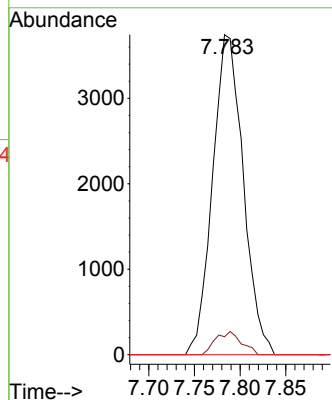
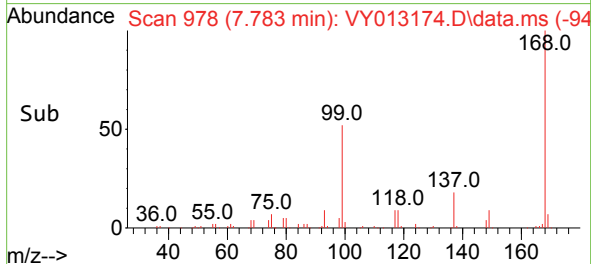


#38
Carbon Tetrachloride
Concen: 5.338 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

Instrument :
MSVOA_Y
ClientSampleId :
SB-5A

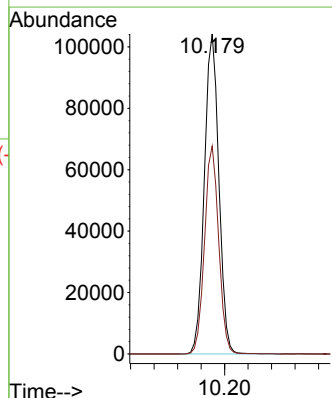
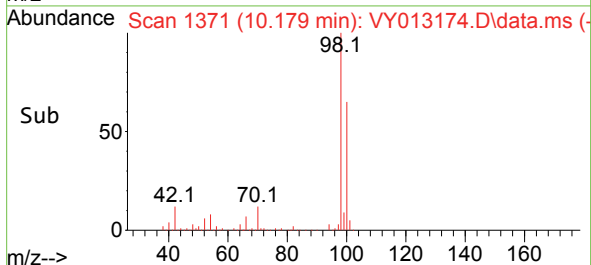
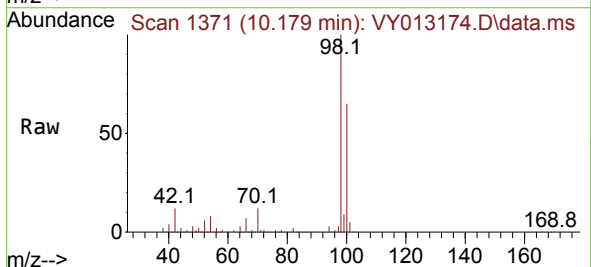


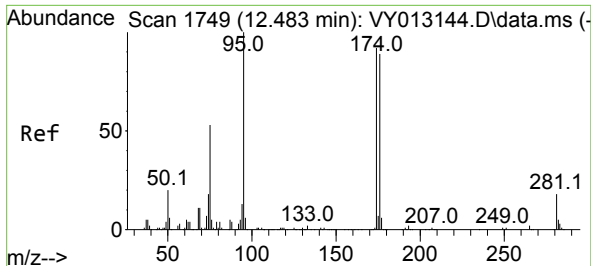
Tgt Ion:117 Resp: 8719
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.120 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

Tgt Ion: 98 Resp: 178640
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3

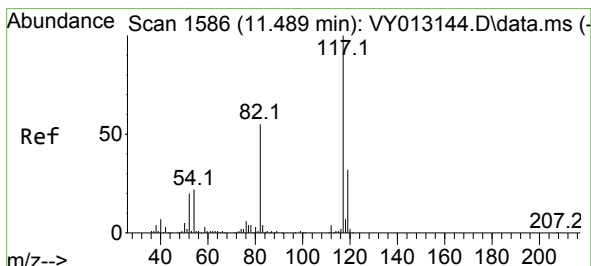
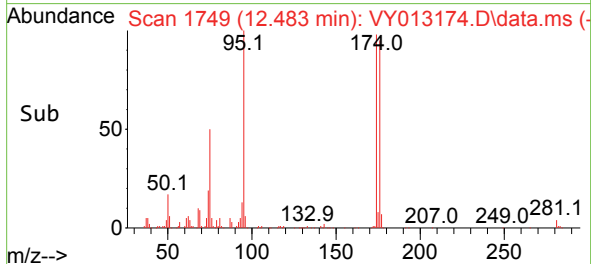
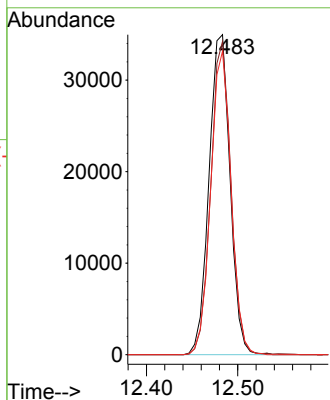
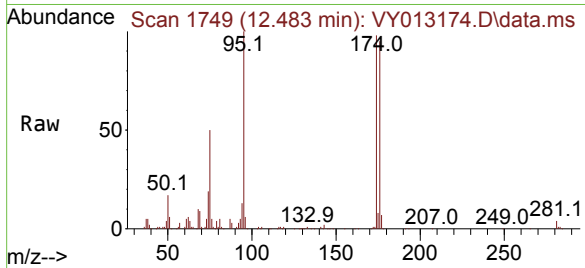




#62
4-Bromofluorobenzene
Concen: 46.266 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

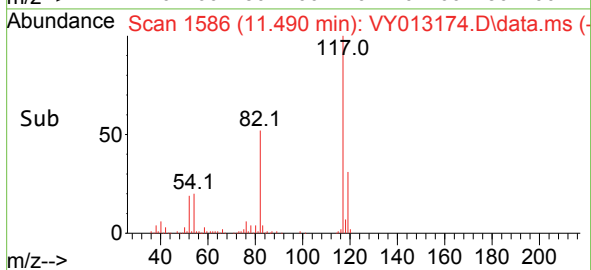
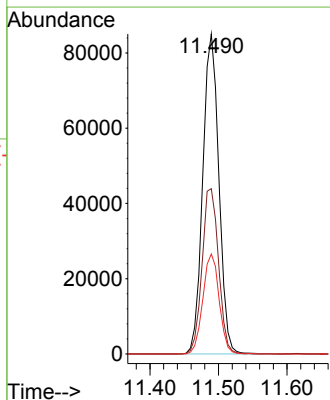
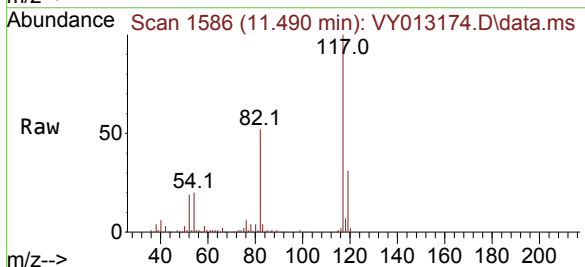
Instrument :
MSVOA_Y
ClientSampleId :
SB-5A

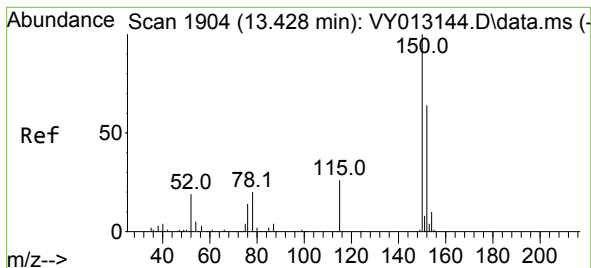
Tgt Ion: 95 Resp: 55907
Ion Ratio Lower Upper
95 100
174 94.0 0.0 176.6
176 91.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

Tgt Ion: 117 Resp: 139267
Ion Ratio Lower Upper
117 100
82 51.7 45.4 68.0
119 31.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY013174.D

Acq: 03 Apr 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

SB-5A

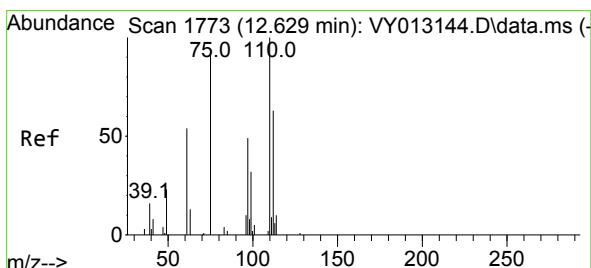
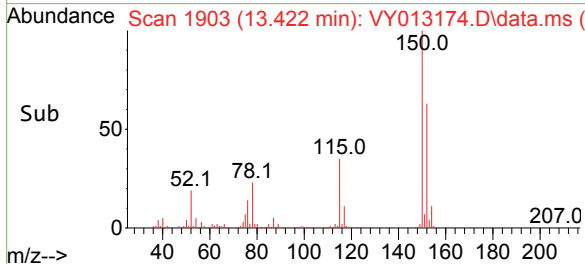
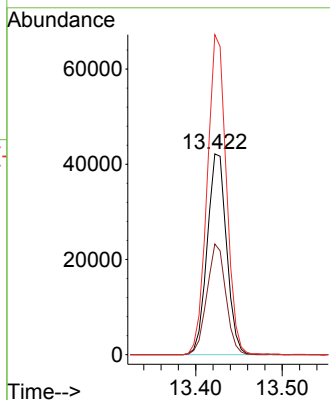
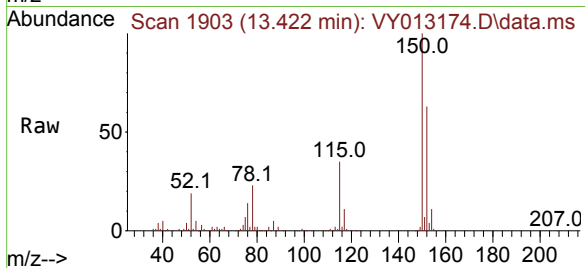
Tgt Ion:152 Resp: 65619

Ion Ratio Lower Upper

152 100

115 53.9 27.1 81.3

150 157.1 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 39.233 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013174.D

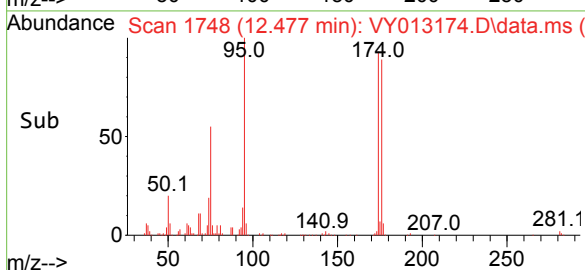
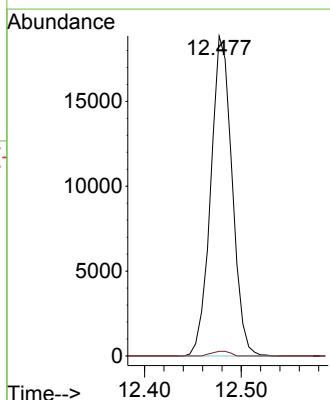
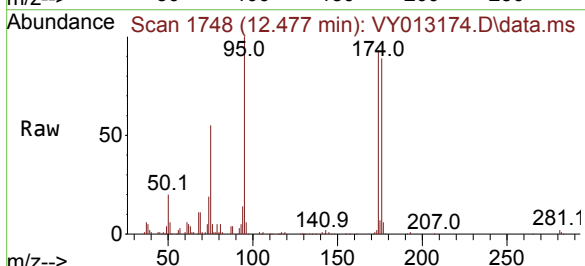
Acq: 03 Apr 2023 14:35

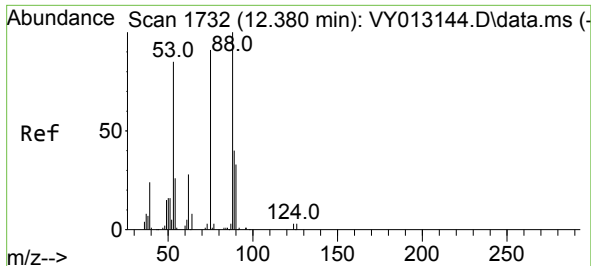
Tgt Ion: 75 Resp: 28921

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

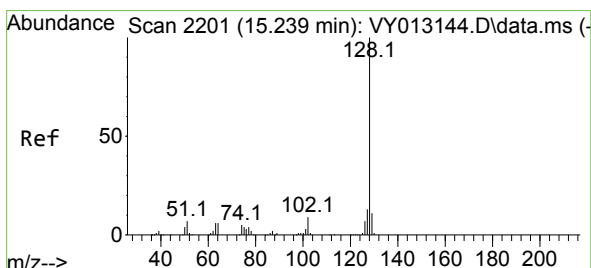
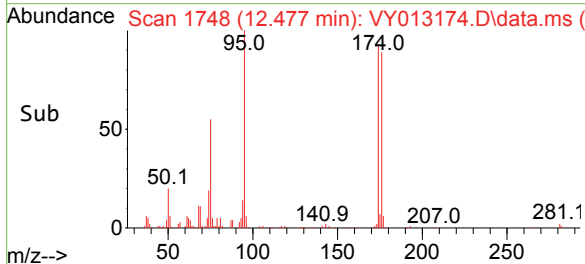
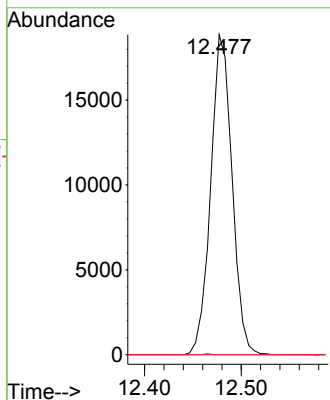
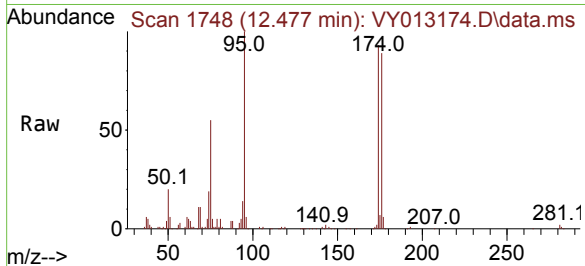




#81
trans-1,4-Dichloro-2-butene
Concen: 87.495 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

Instrument :
MSVOA_Y
ClientSampleId :
SB-5A

Tgt Ion: 75 Resp: 28921
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.259 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY013174.D
Acq: 03 Apr 2023 14:35

Tgt Ion:128 Resp: 67
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

