

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013468.D
 Acq On : 26 Apr 2023 13:09
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 27 01:31:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

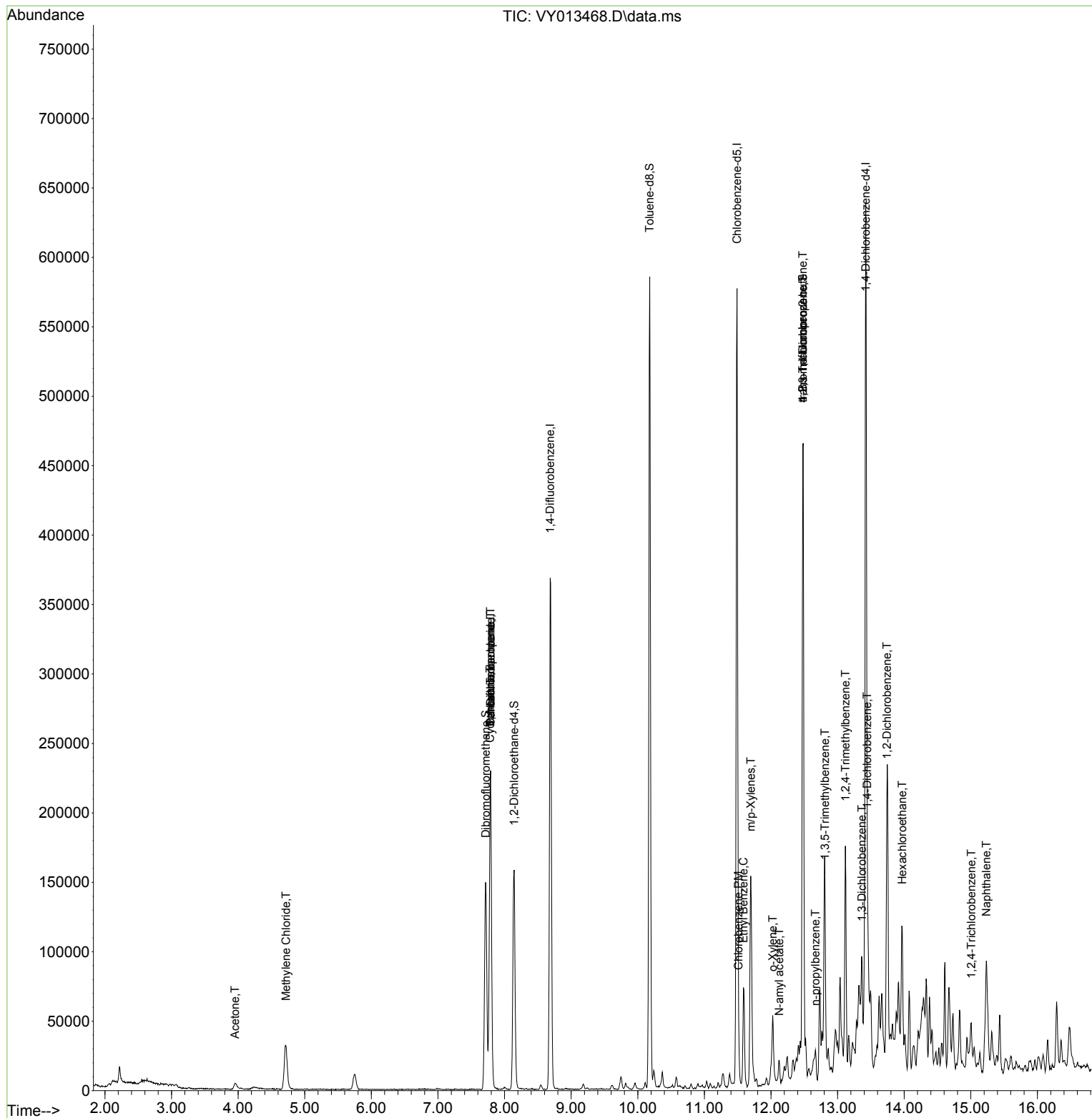
Internal Standards						
1) Pentafluorobenzene	7.789	168	166388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	279972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124106	68.041	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.080%	
35) Dibromofluoromethane	7.716	113	104551	56.927	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.860%	
50) Toluene-d8	10.179	98	368618	56.420	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.840%	
62) 4-Bromofluorobenzene	12.477	95	131437	59.674	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.340%	
Target Compounds						
					Qvalue	
13) Acrolein	3.723	56	23	Below Cal	#	1
16) Acetone	3.954	43	9483	13.202	ug/l	89
20) Methylene Chloride	4.716	84	22788	2.430	ug/l #	77
31) Cyclohexane	7.783	56	4859	1.488	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	15126	4.963	ug/l #	49
38) Carbon Tetrachloride	7.789	117	17895	5.601	ug/l #	15
65) Chlorobenzene	11.514	112	8474	1.389	ug/l	98
67) Ethyl Benzene	11.587	91	46957	4.385	ug/l	96
68) m/p-Xylenes	11.697	106	40147	9.861	ug/l	95
69) o-Xylene	12.026	106	10925	2.837	ug/l	94
74) N-amyl acetate	12.124	43	3729	1.005	ug/l #	69
76) 1,2,3-Trichloropropane	12.477	75	72733	39.132	ug/l #	100
78) n-propylbenzene	12.666	91	14521	1.131	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	22464	2.640	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.477	75	72733	80.047	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	78737	9.519	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	6364	1.323	ug/l	90
88) 1,4-Dichlorobenzene	13.447	146	26761	5.505	ug/l	90
90) Hexachloroethane	13.971	117	3344	1.786	ug/l #	8
91) 1,2-Dichlorobenzene	13.739	146	36478	8.395	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	7815	3.016	ug/l #	82
95) Naphthalene	15.233	128	56533	10.057	ug/l	98

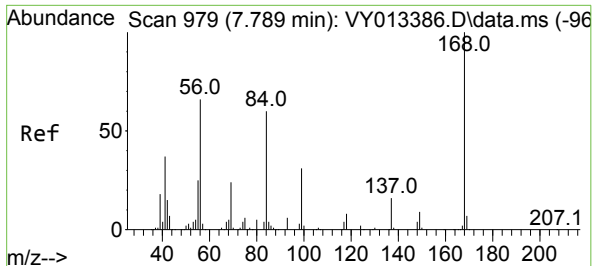
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
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Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
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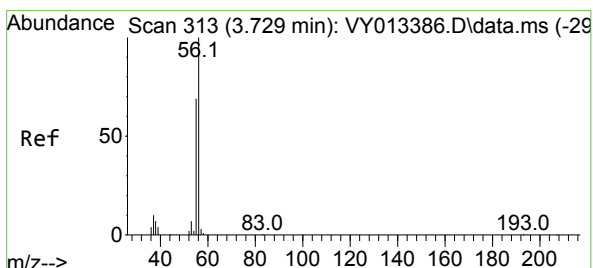
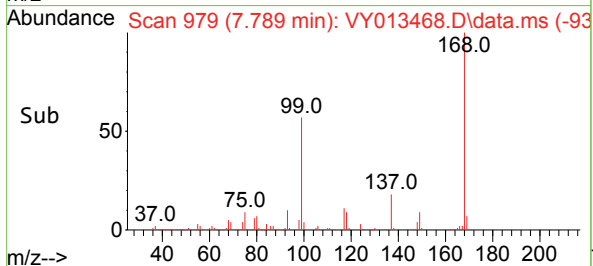
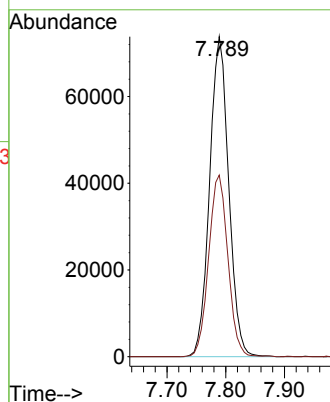
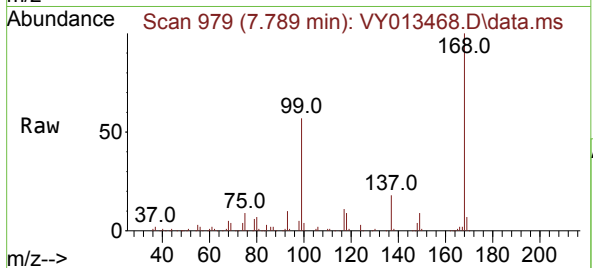




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

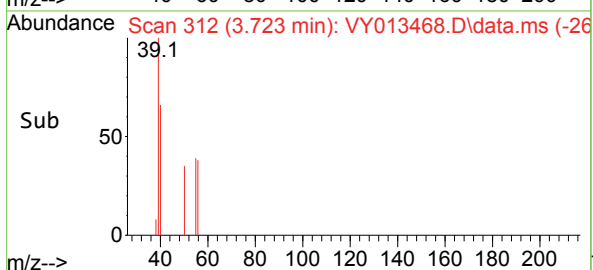
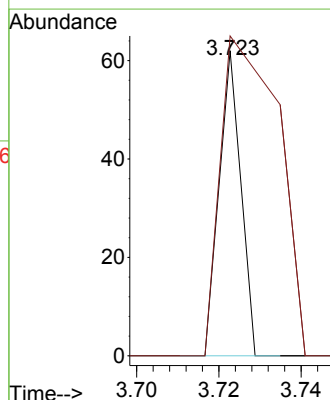
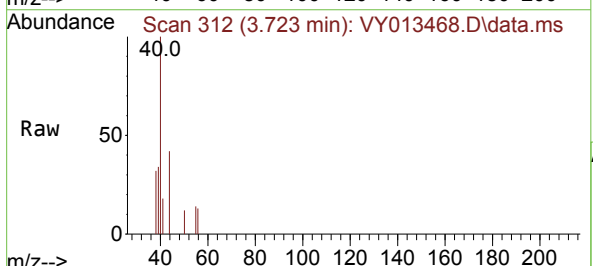
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

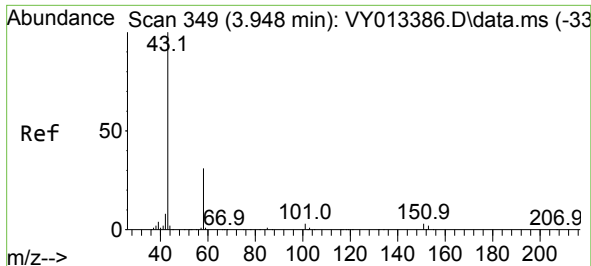
Tgt Ion:168 Resp: 166388
Ion Ratio Lower Upper
168 100
99 56.8 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 278.3 54.1 81.1#





#16

Acetone

Concen: 13.202 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY013468.D

Acq: 26 Apr 2023 13:09

Instrument :

MSVOA_Y

ClientSampleId :

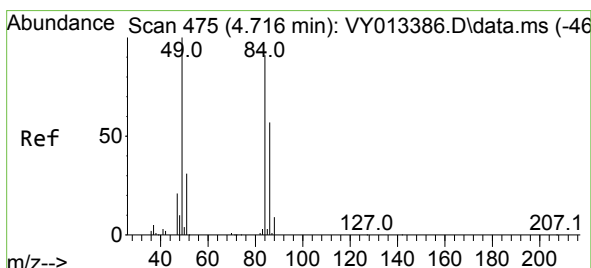
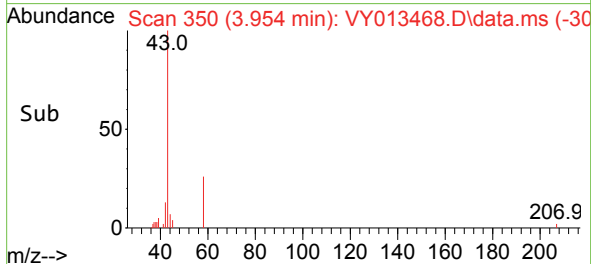
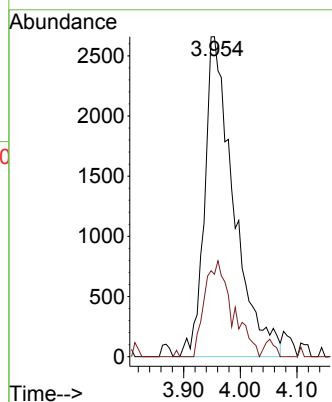
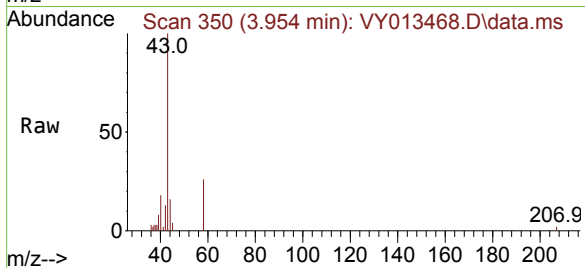
VIBLK

Tgt Ion: 43 Resp: 9483

Ion Ratio Lower Upper

43 100

58 25.7 25.4 38.0



#20

Methylene Chloride

Concen: 2.430 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013468.D

Acq: 26 Apr 2023 13:09

Tgt Ion: 84 Resp: 22788

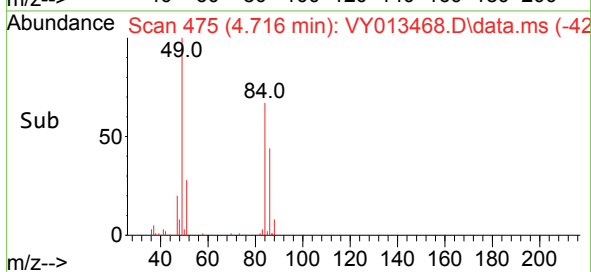
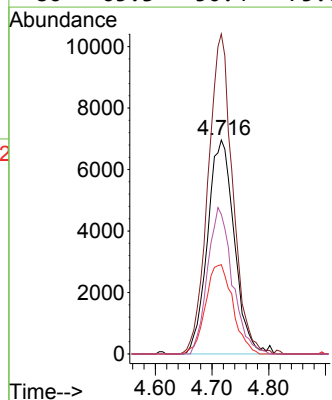
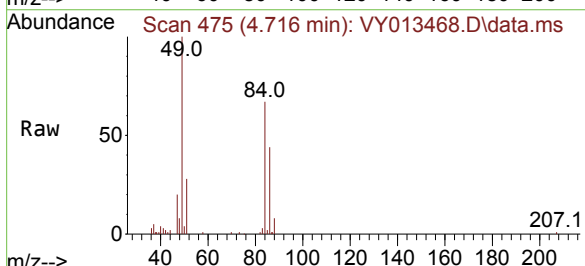
Ion Ratio Lower Upper

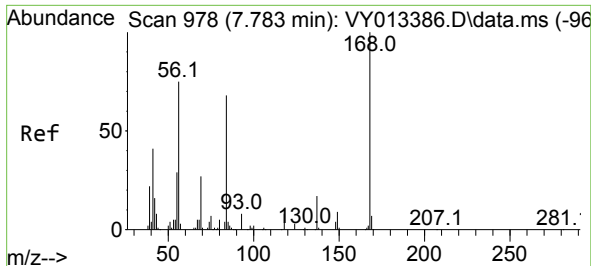
84 100

49 149.6 88.0 132.0#

51 41.7 27.4 41.0#

86 65.3 50.4 75.6

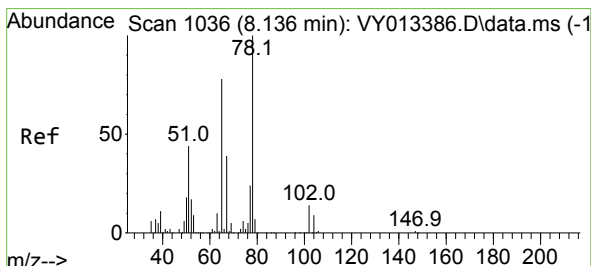
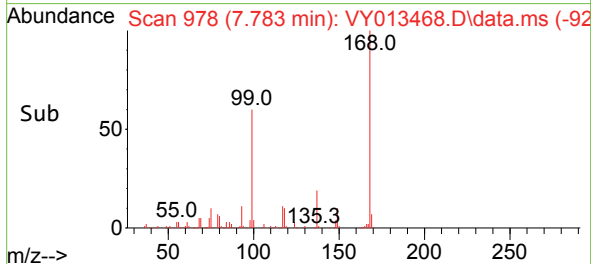
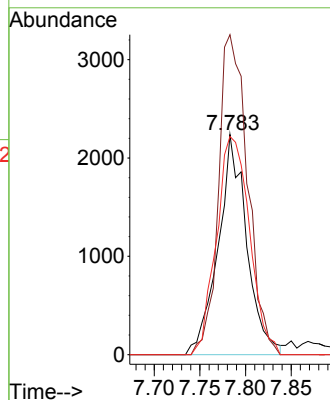
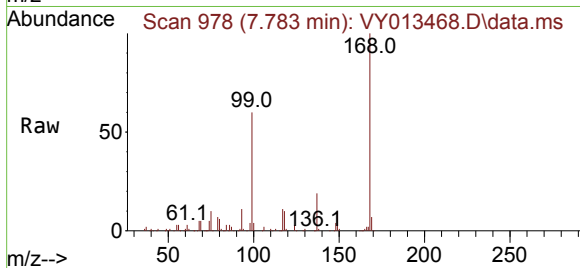




#31
Cyclohexane
Concen: 1.488 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

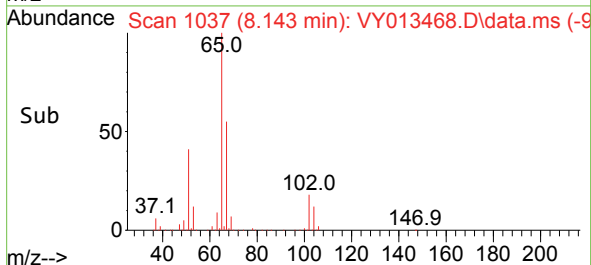
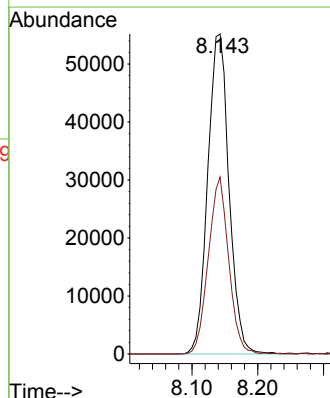
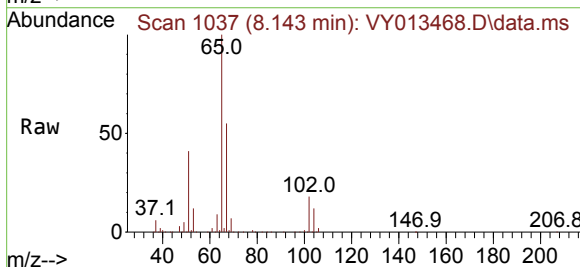
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

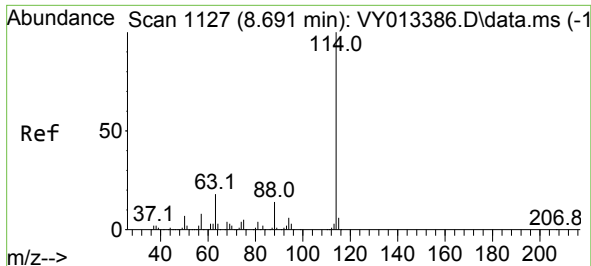
Tgt Ion: 56 Resp: 4859
Ion Ratio Lower Upper
56 100
69 145.4 29.2 43.8#
84 99.2 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 68.041 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 65 Resp: 124106
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4

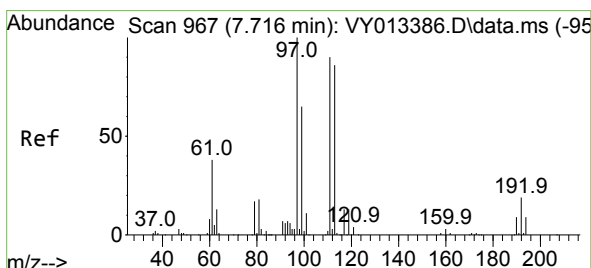
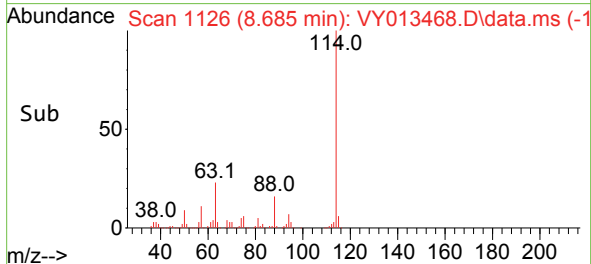
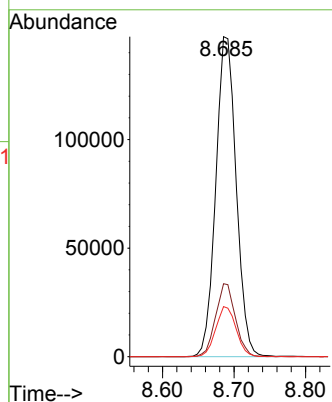
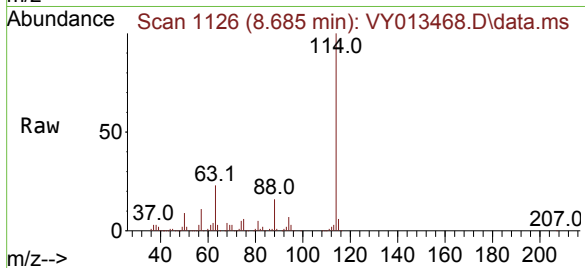




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

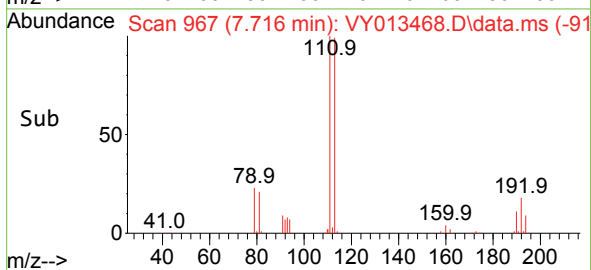
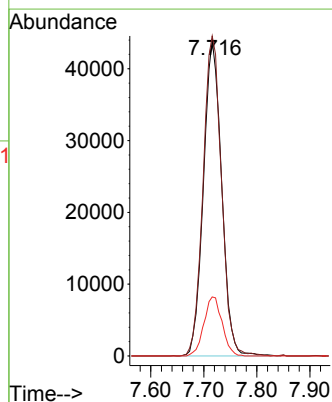
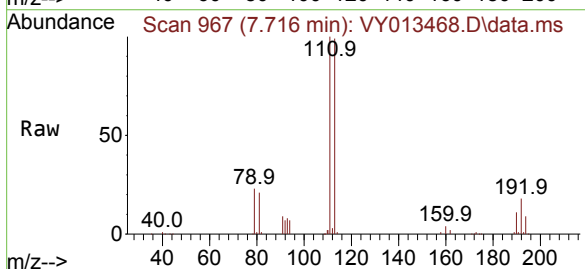
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

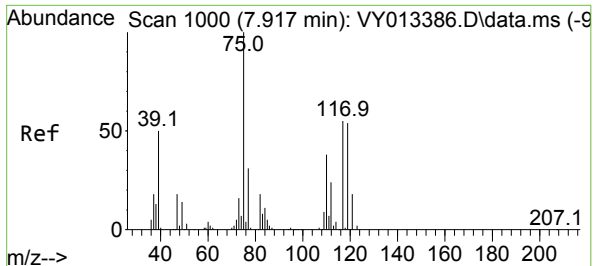
Tgt Ion:114 Resp: 292003
Ion Ratio Lower Upper
114 100
63 22.8 0.0 36.6
88 15.6 0.0 28.8



#35
Dibromofluoromethane
Concen: 56.927 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion:113 Resp: 104551
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.7 16.7 25.1

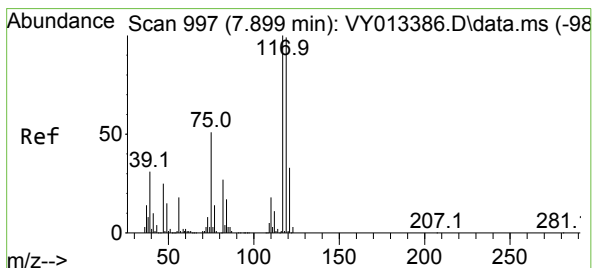
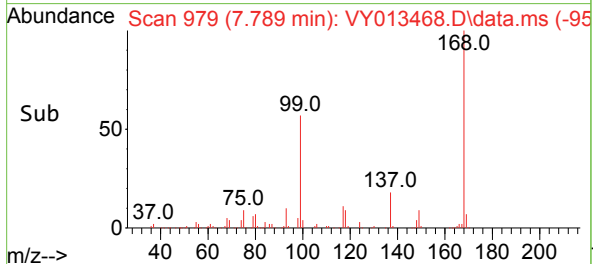
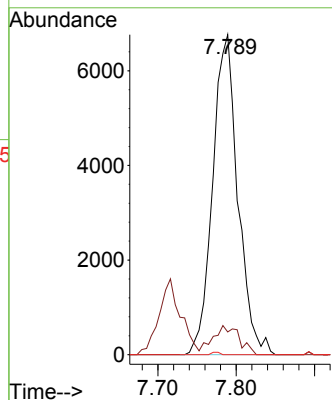
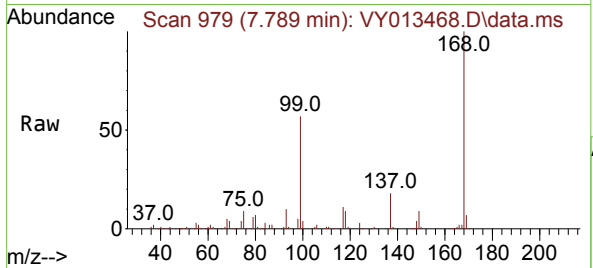




#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

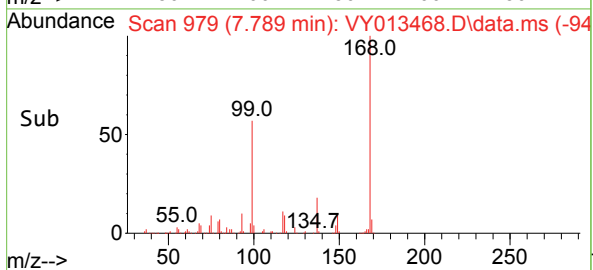
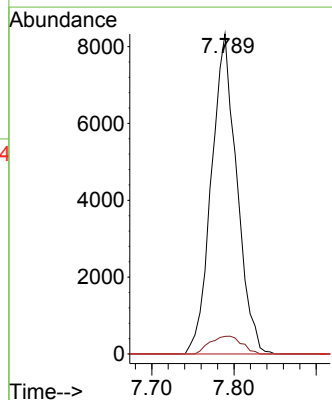
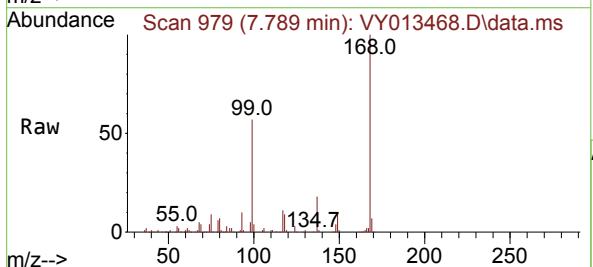
Instrument :
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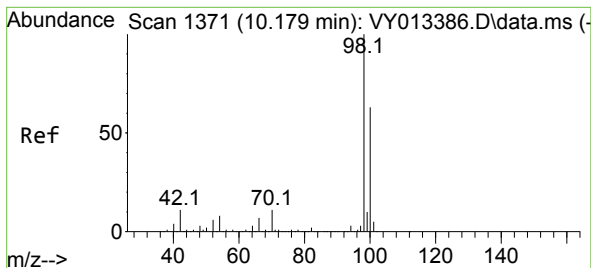
Tgt Ion: 75 Resp: 15126
Ion Ratio Lower Upper
75 100
110 9.5 18.7 56.1#
77 0.2 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 117 Resp: 17895
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 26.6 40.0#

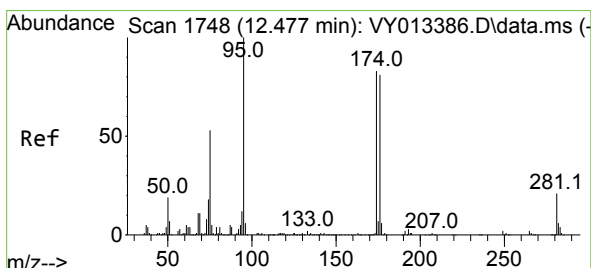
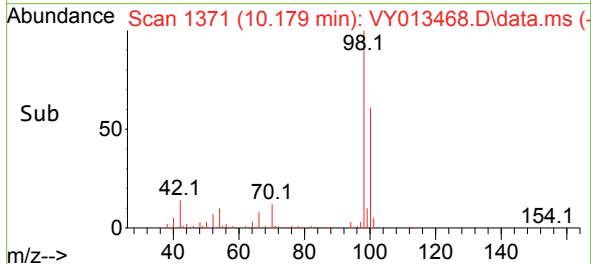
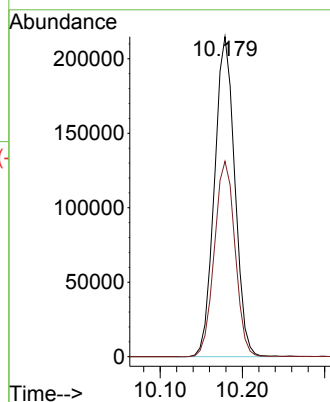
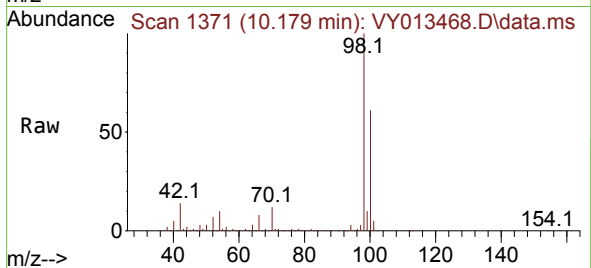




#50
Toluene-d8
Concen: 56.420 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

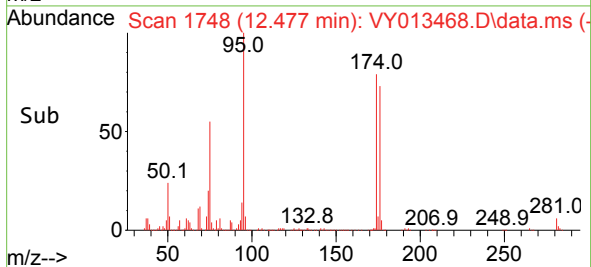
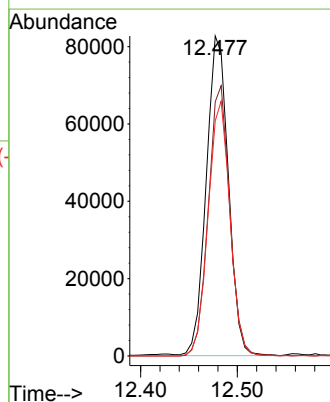
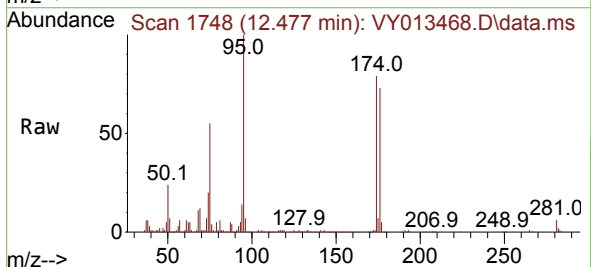
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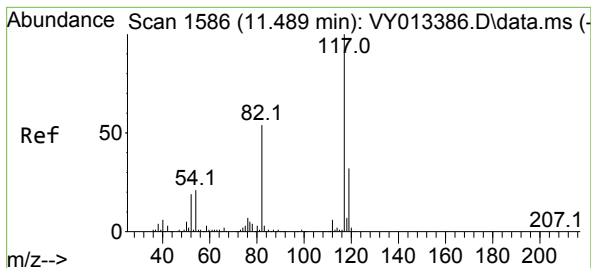
Tgt Ion: 98 Resp: 368618
Ion Ratio Lower Upper
98 100
100 62.2 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 59.674 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 95 Resp: 131437
Ion Ratio Lower Upper
95 100
174 82.2 0.0 182.0
176 78.7 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013468.D

Acq: 26 Apr 2023 13:09

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

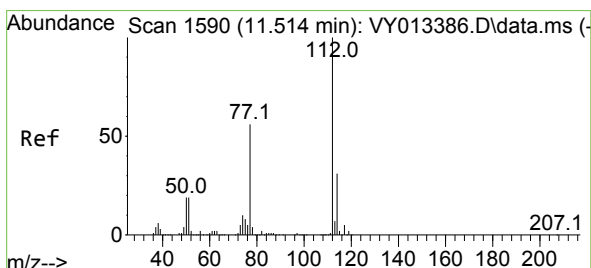
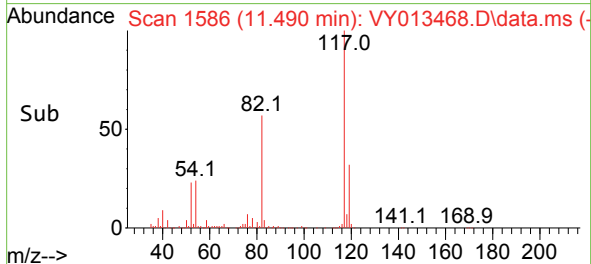
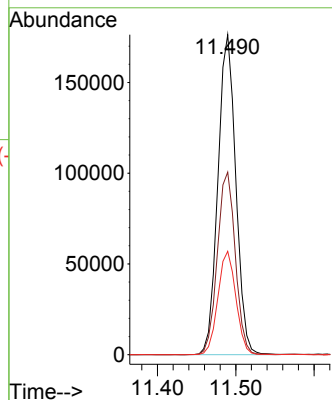
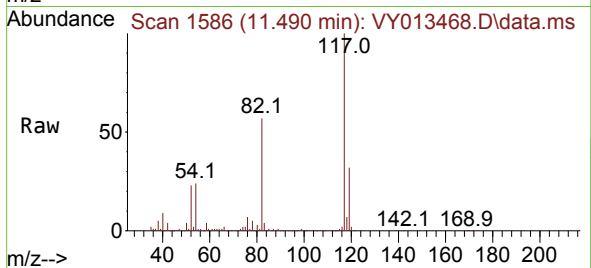
Tgt Ion:117 Resp: 279972

Ion Ratio Lower Upper

117 100

82 57.1 43.0 64.6

119 32.3 25.5 38.3



#65

Chlorobenzene

Concen: 1.389 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY013468.D

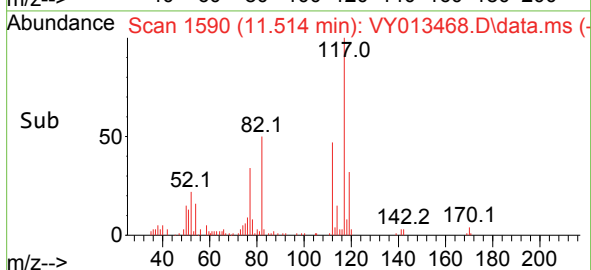
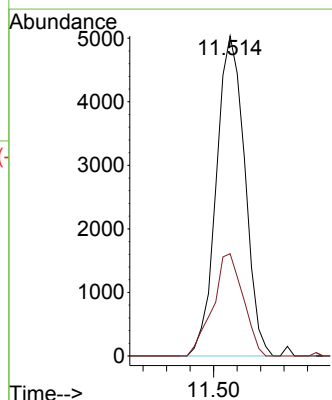
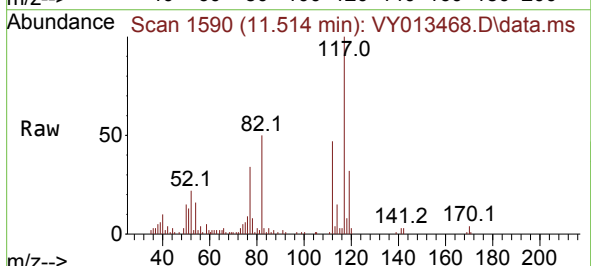
Acq: 26 Apr 2023 13:09

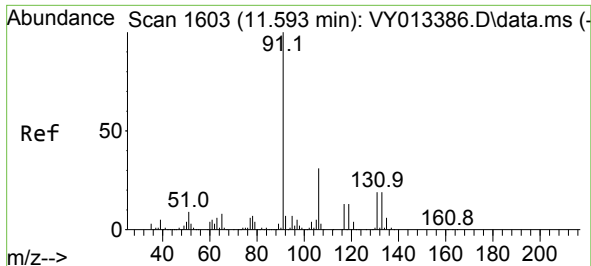
Tgt Ion:112 Resp: 8474

Ion Ratio Lower Upper

112 100

114 31.9 24.9 37.3

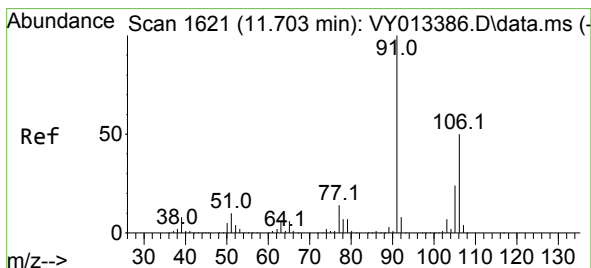
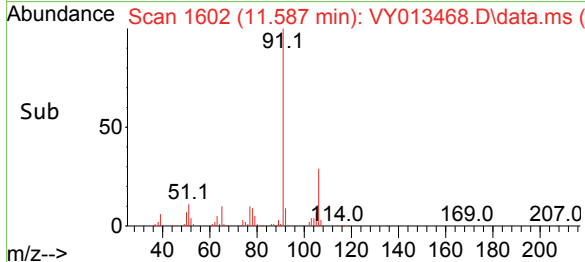
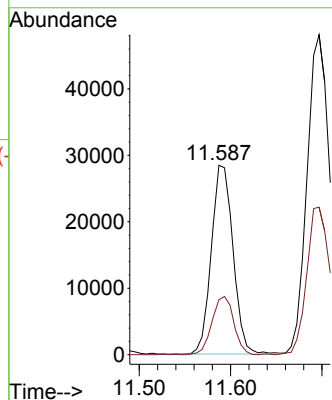
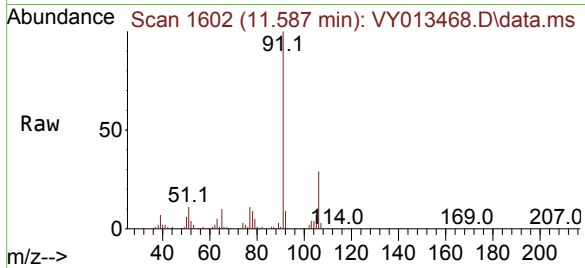




#67
Ethyl Benzene
Concen: 4.385 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

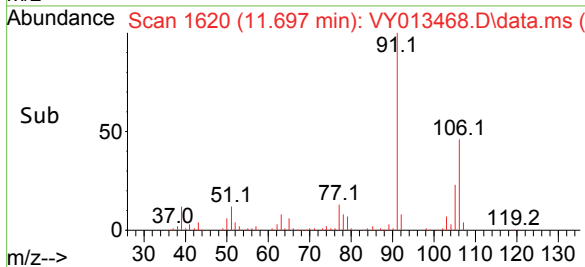
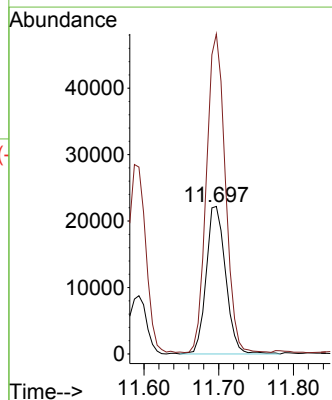
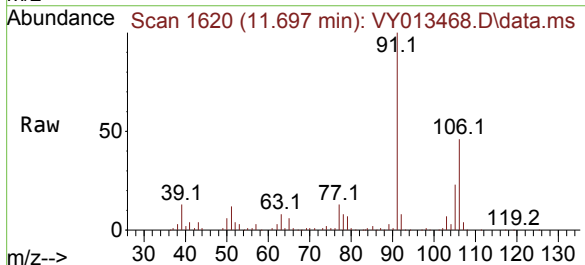
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

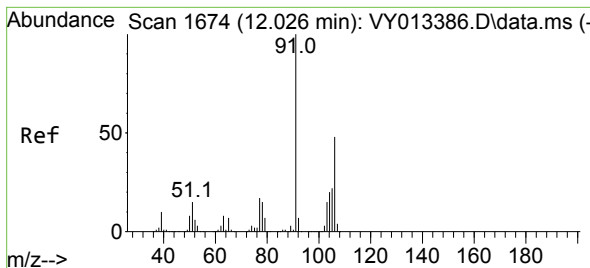
Tgt Ion: 91 Resp: 46957
Ion Ratio Lower Upper
91 100
106 29.1 25.1 37.7



#68
m/p-Xylenes
Concen: 9.861 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 106 Resp: 40147
Ion Ratio Lower Upper
106 100
91 209.0 160.9 241.3





#69

o-Xylene

Concen: 2.837 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013468.D

Acq: 26 Apr 2023 13:09

Instrument :

MSVOA_Y

ClientSampleId :

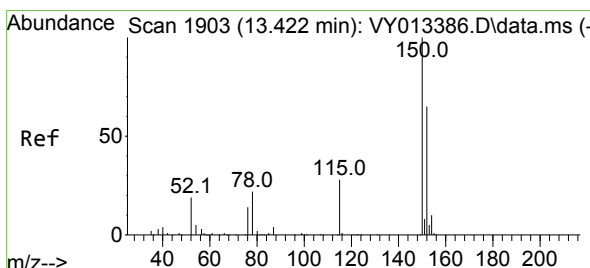
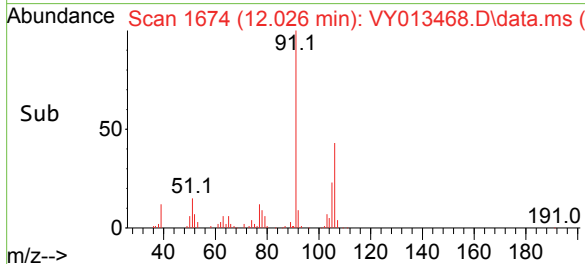
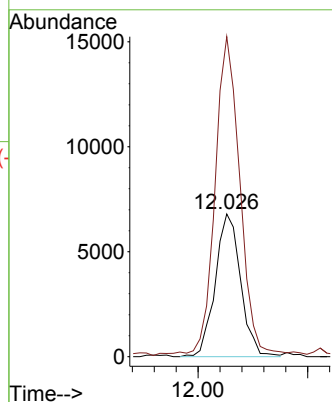
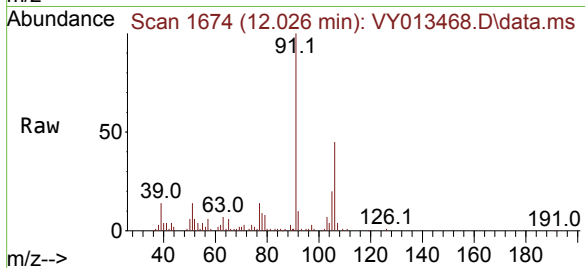
VIBLK

Tgt Ion:106 Resp: 10925

Ion Ratio Lower Upper

106 100

91 220.6 105.5 316.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013468.D

Acq: 26 Apr 2023 13:09

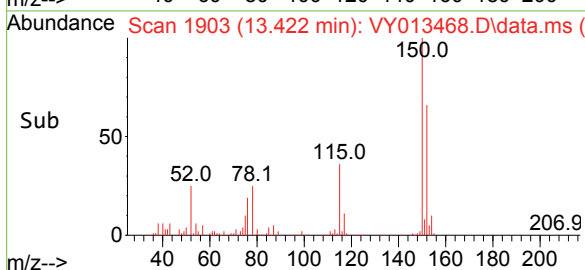
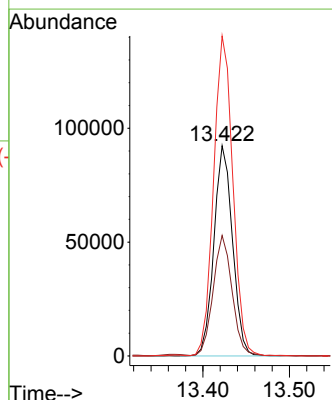
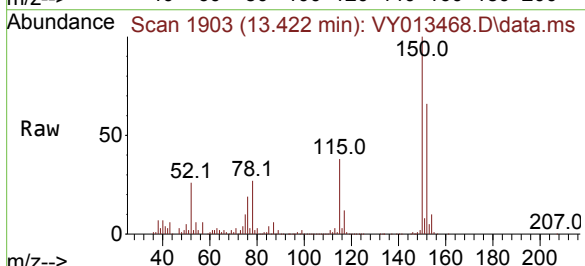
Tgt Ion:152 Resp: 137819

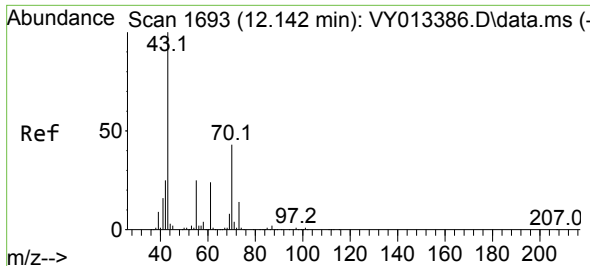
Ion Ratio Lower Upper

152 100

115 58.4 28.1 84.2

150 157.8 0.0 352.0

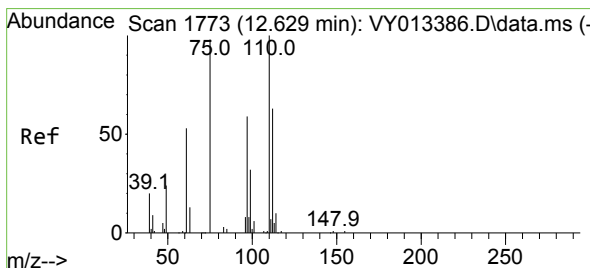
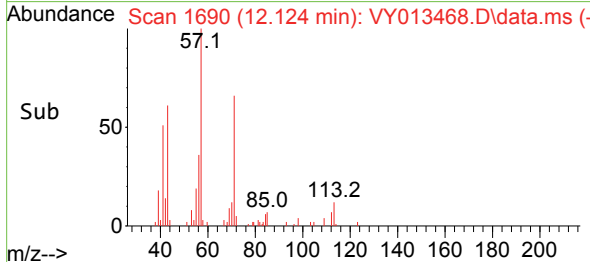
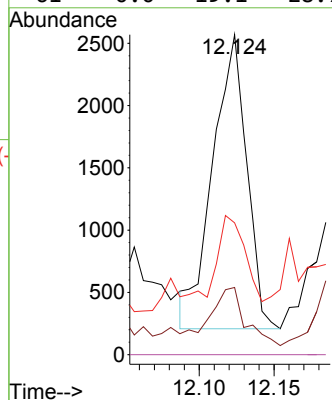
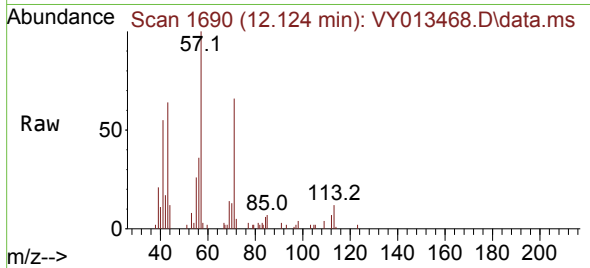




#74
N-amy1 acetate
Concen: 1.005 ug/l
RT: 12.124 min Scan# 1748
Delta R.T. -0.018 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

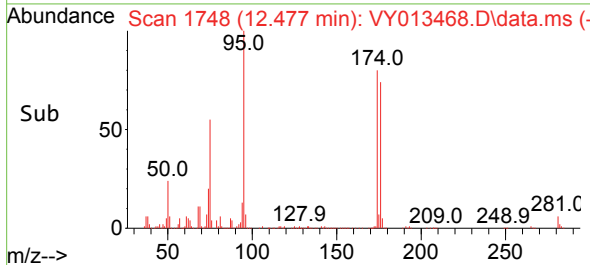
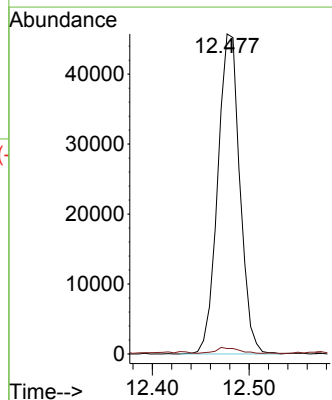
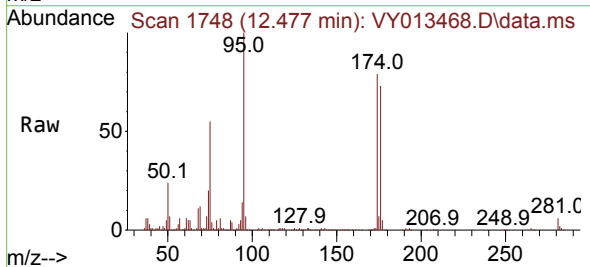
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

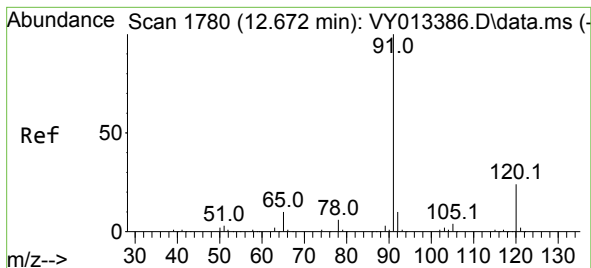
Tgt Ion: 43	Resp: 3729
Ion Ratio	Lower Upper
43 100	
70 18.5	33.0 49.4#
55 22.1	19.8 29.6
61 0.0	19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 39.132 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 75	Resp: 72733
Ion Ratio	Lower Upper
75 100	
77 1.9	0.0 0.0#





#78

n-propylbenzene

Concen: 1.131 ug/l

RT: 12.666 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013468.D

Acq: 26 Apr 2023 13:09

Instrument :

MSVOA_Y

ClientSampleId :

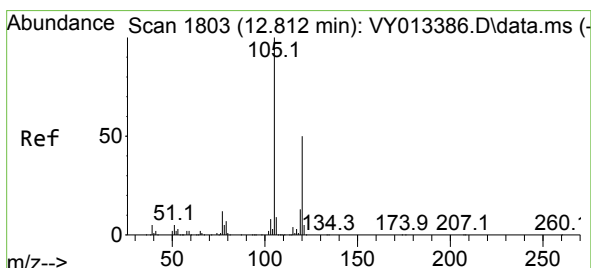
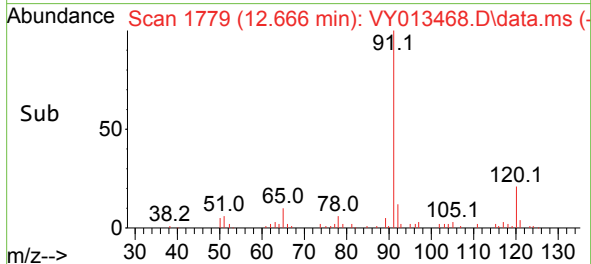
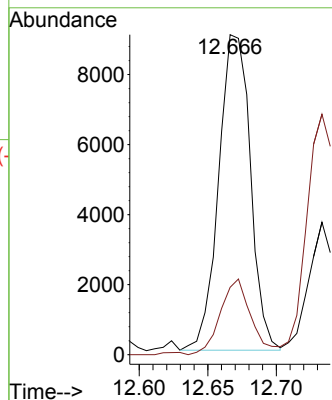
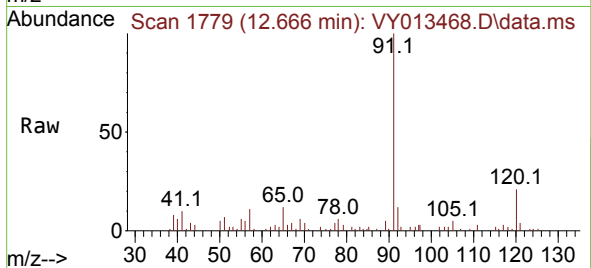
VIBLK

Tgt Ion: 91 Resp: 14521

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 2.640 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.001 min

Lab File: VY013468.D

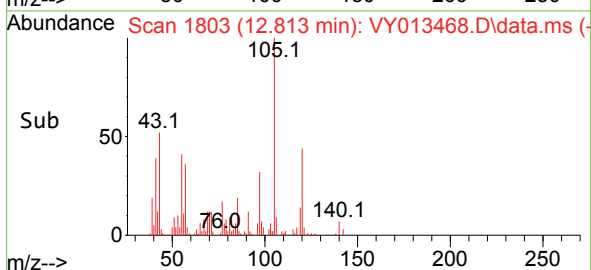
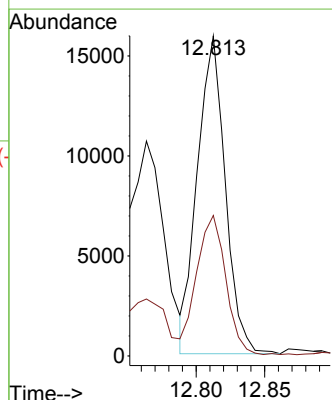
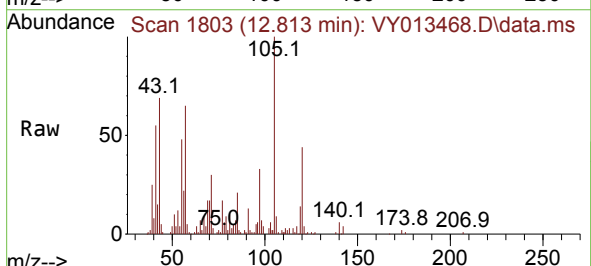
Acq: 26 Apr 2023 13:09

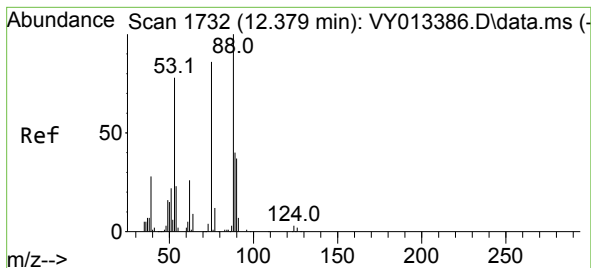
Tgt Ion:105 Resp: 22464

Ion Ratio Lower Upper

105 100

120 46.0 24.7 74.1

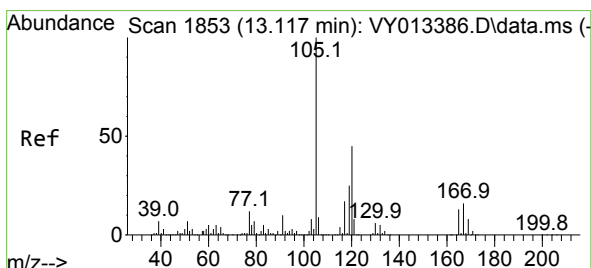
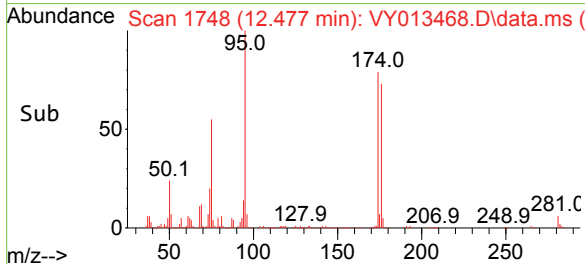
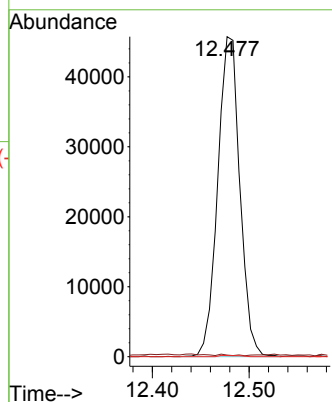
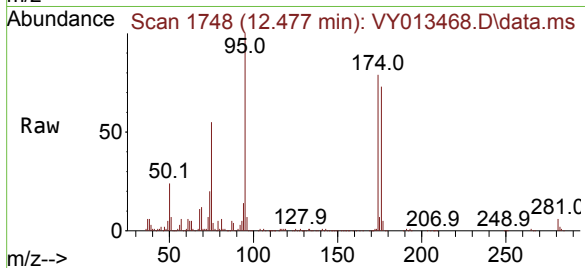




#81
trans-1,4-Dichloro-2-butene
Concen: 80.047 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

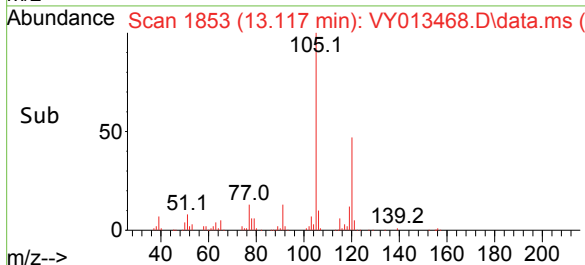
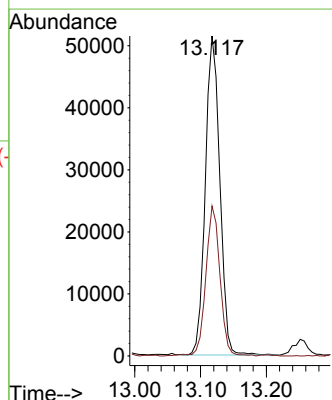
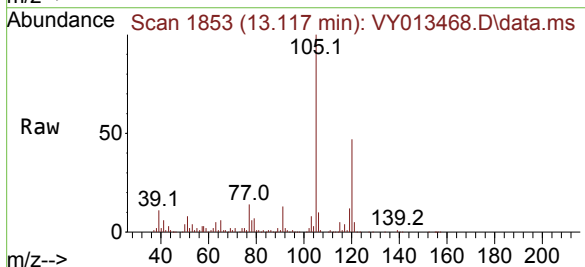
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

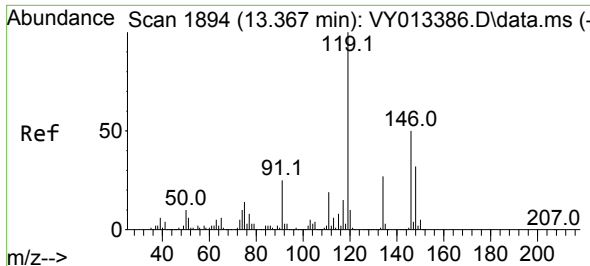
Tgt Ion: 75 Resp: 72733
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.3 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 9.519 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 105 Resp: 78737
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.9

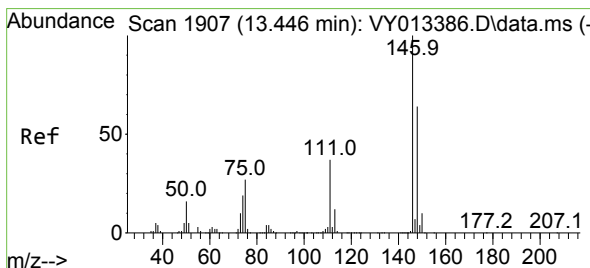
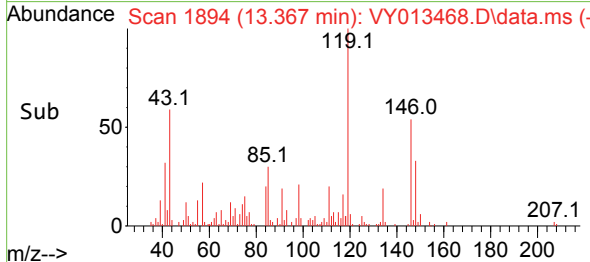
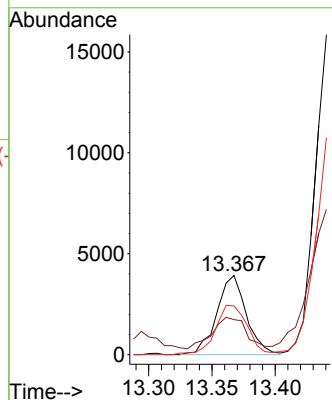
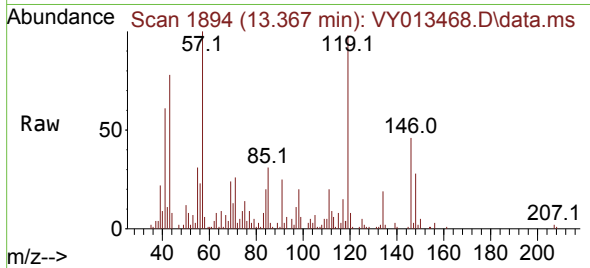




#87
 1,3-Dichlorobenzene
 Concen: 1.323 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY013468.D
 Acq: 26 Apr 2023 13:09

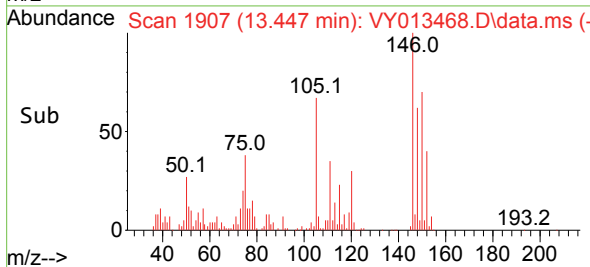
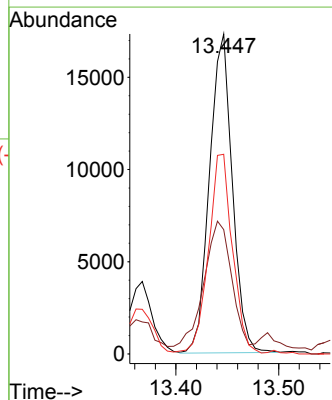
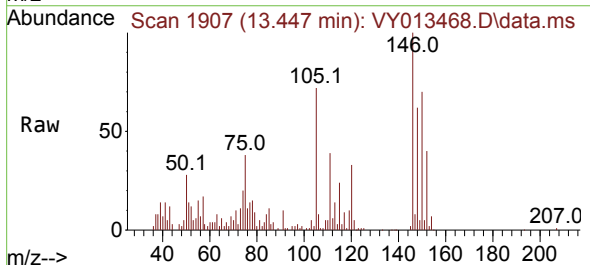
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

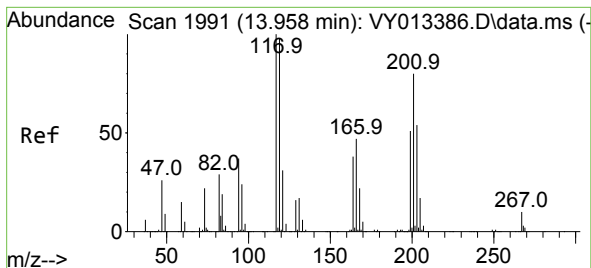
Tgt Ion:146 Resp: 6364
 Ion Ratio Lower Upper
 146 100
 111 50.0 19.3 57.9
 148 67.4 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 5.505 ug/l
 RT: 13.447 min Scan# 1907
 Delta R.T. 0.001 min
 Lab File: VY013468.D
 Acq: 26 Apr 2023 13:09

Tgt Ion:146 Resp: 26761
 Ion Ratio Lower Upper
 146 100
 111 52.5 18.9 56.5
 148 64.8 31.9 95.5





#90

Hexachloroethane

Concen: 1.786 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VY013468.D

Acq: 26 Apr 2023 13:09

Instrument :

MSVOA_Y

ClientSampleId :

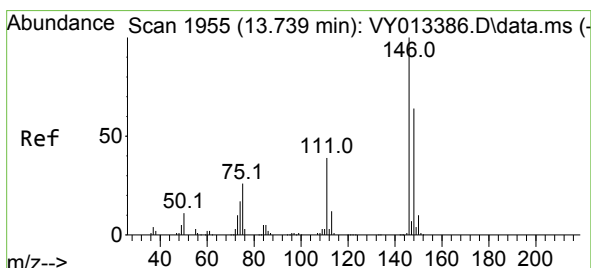
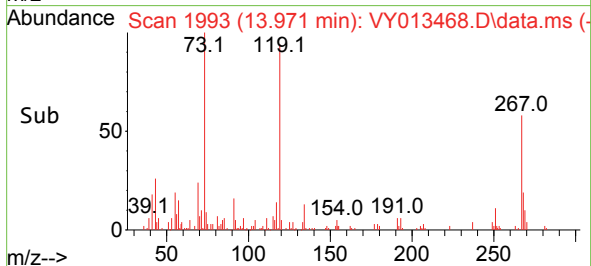
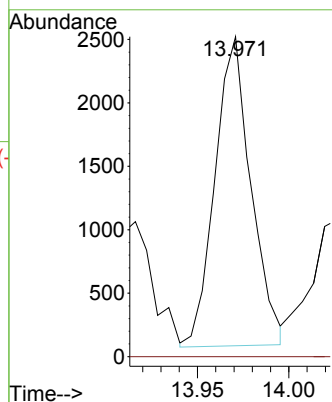
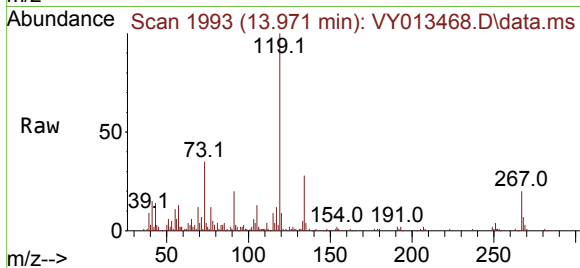
VIBLK

Tgt Ion:117 Resp: 3344

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#91

1,2-Dichlorobenzene

Concen: 8.395 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013468.D

Acq: 26 Apr 2023 13:09

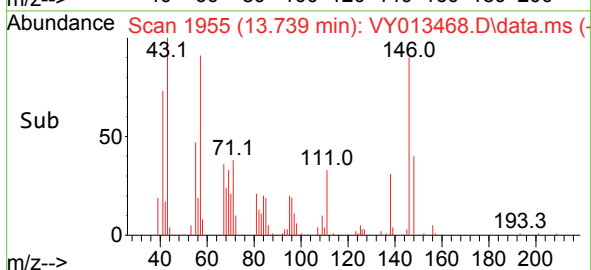
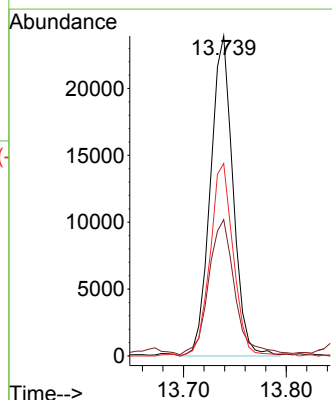
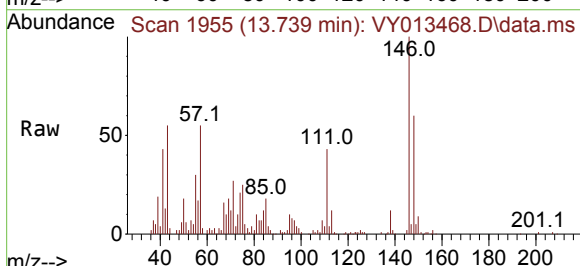
Tgt Ion:146 Resp: 36478

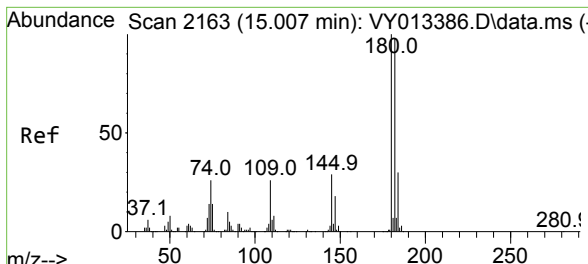
Ion Ratio Lower Upper

146 100

111 48.5 19.8 59.4

148 61.7 31.8 95.4

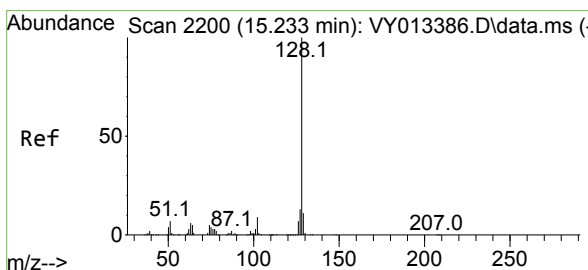
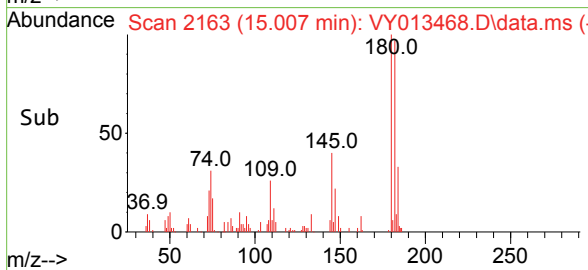
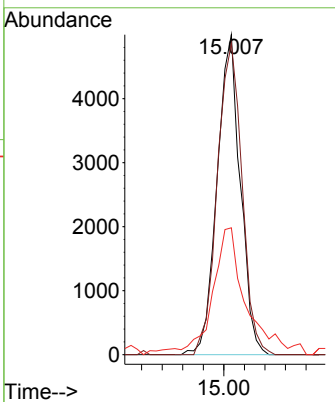
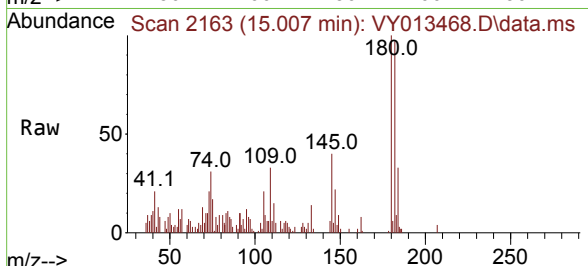




#93
 1,2,4-Trichlorobenzene
 Concen: 3.016 ug/l
 RT: 15.007 min Scan# 2163
 Delta R.T. 0.000 min
 Lab File: VY013468.D
 Acq: 26 Apr 2023 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	7815
Ion Ratio	Lower	Upper	
180	100		
182	103.8	48.5	145.5
145	58.6	15.0	45.0#



#95
 Naphthalene
 Concen: 10.057 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.000 min
 Lab File: VY013468.D
 Acq: 26 Apr 2023 13:09

Tgt Ion:	128	Resp:	56533
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.7	16.1
129	12.0	8.8	13.2

