

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013469.D
 Acq On : 26 Apr 2023 13:32
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 27 01:32:04 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	147862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	259713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113634	70.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.220%	
35) Dibromofluoromethane	7.716	113	95375	57.090	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.180%	
50) Toluene-d8	10.179	98	335527	56.457	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.920%	
62) 4-Bromofluorobenzene	12.477	95	119478	59.633	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.260%	
Target Compounds						
					Qvalue	
13) Acrolein	3.643	56	25	Below Cal	#	1
16) Acetone	3.954	43	680	1.065	ug/l	95
20) Methylene Chloride	4.716	84	18897	1.623	ug/l #	73
31) Cyclohexane	7.789	56	4053	1.397	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	12852	4.635	ug/l #	48
38) Carbon Tetrachloride	7.789	117	15439	5.313	ug/l #	17
49) 1,4-Dioxane	9.027	88	25	1.433	ug/l #	25
67) Ethyl Benzene	11.593	91	18376	1.850	ug/l	99
68) m/p-Xylenes	11.697	106	14358	3.802	ug/l	99
69) o-Xylene	12.026	106	4166	1.166	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	65524	39.793	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65524	81.398	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	20571	2.807	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	9147	2.376	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	2414	1.052	ug/l #	77
95) Naphthalene	15.233	128	14399	2.891	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration

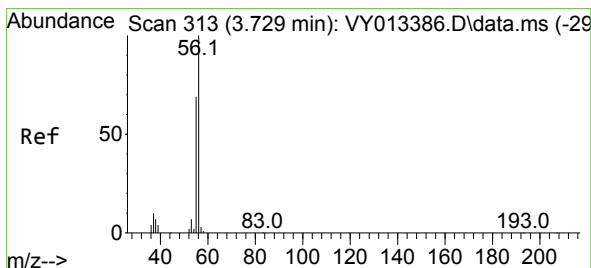
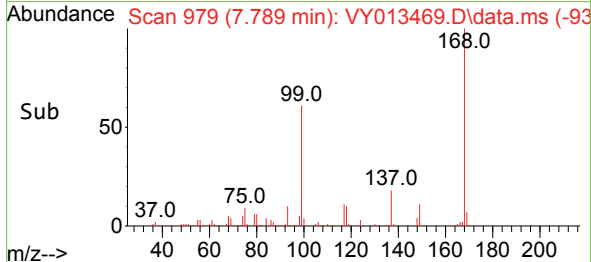
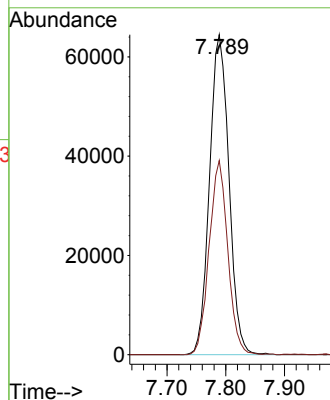
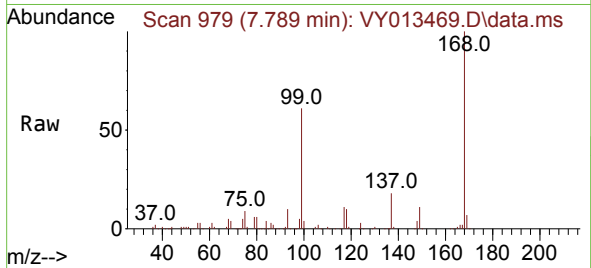




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

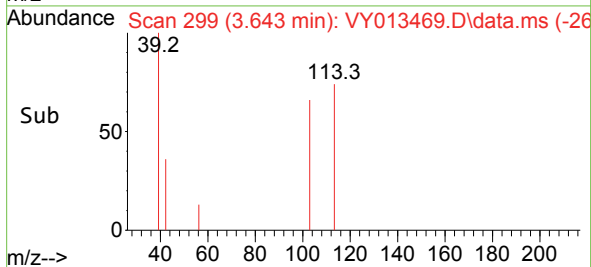
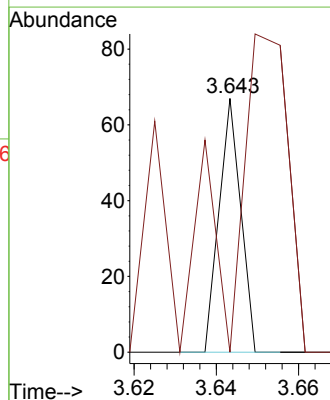
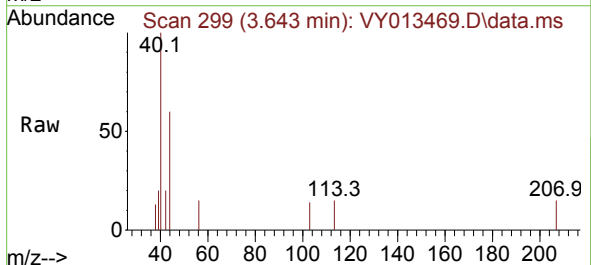
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

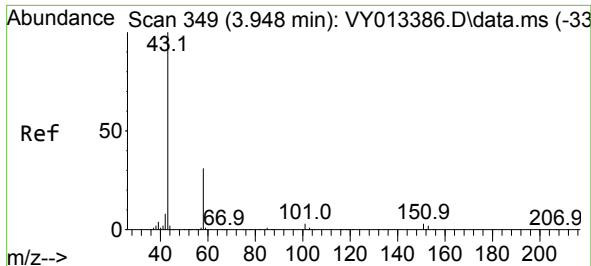
Tgt Ion:168 Resp: 147862
Ion Ratio Lower Upper
168 100
99 60.7 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.643 min Scan# 299
Delta R.T. -0.086 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 324.0 54.1 81.1#





#16

Acetone

Concen: 1.065 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

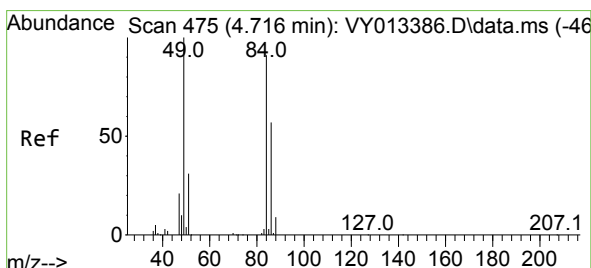
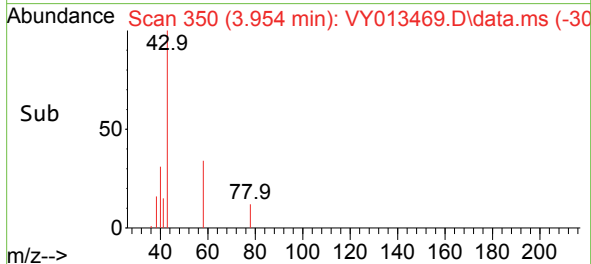
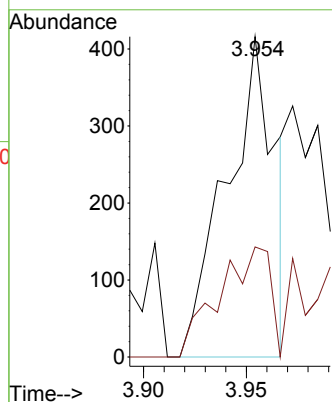
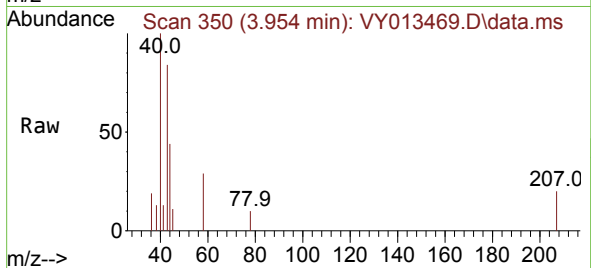
VIBLK

Tgt Ion: 43 Resp: 680

Ion Ratio Lower Upper

43 100

58 34.4 25.4 38.0



#20

Methylene Chloride

Concen: 1.623 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Tgt Ion: 84 Resp: 18897

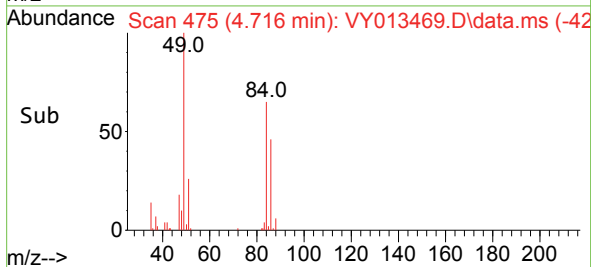
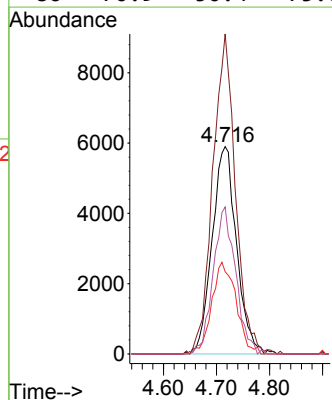
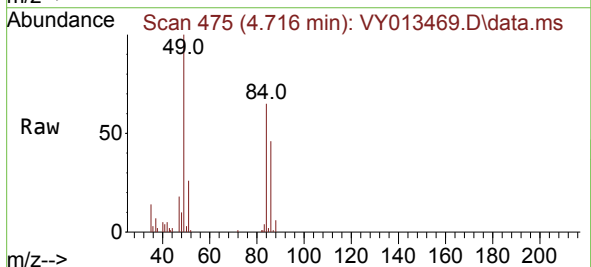
Ion Ratio Lower Upper

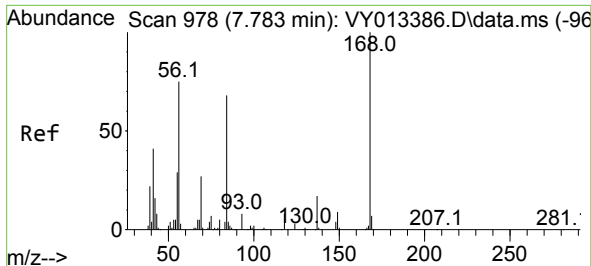
84 100

49 154.3 88.0 132.0#

51 39.7 27.4 41.0

86 70.9 50.4 75.6

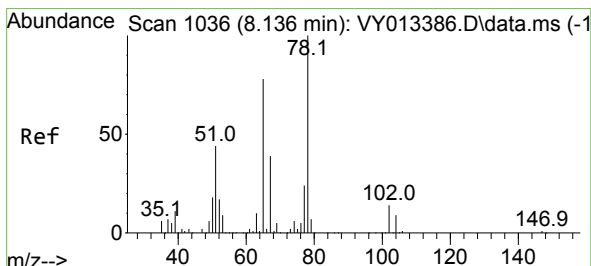
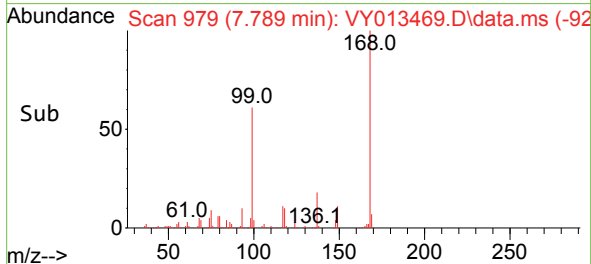
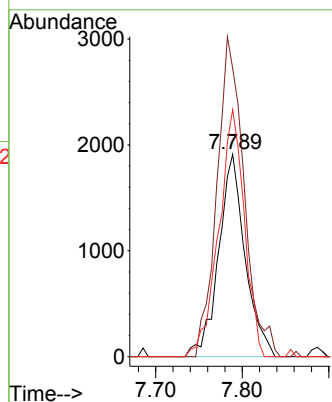
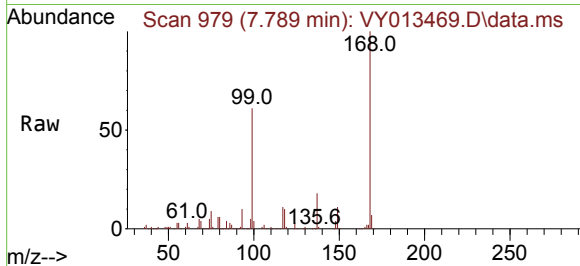




#31
Cyclohexane
Concen: 1.397 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

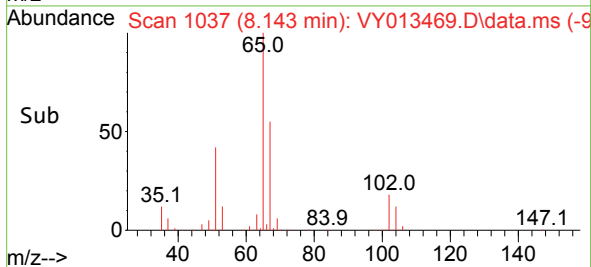
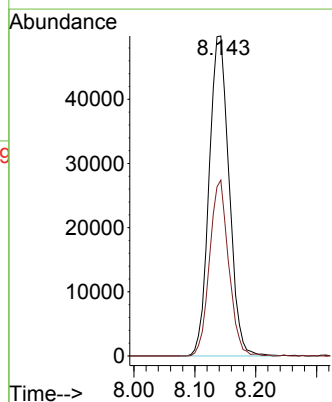
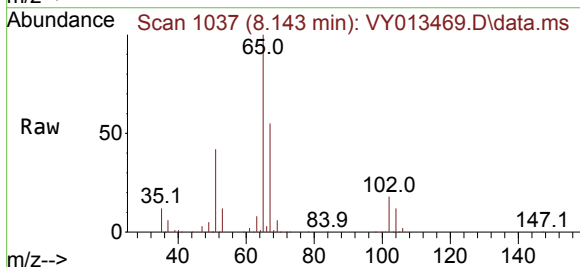
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

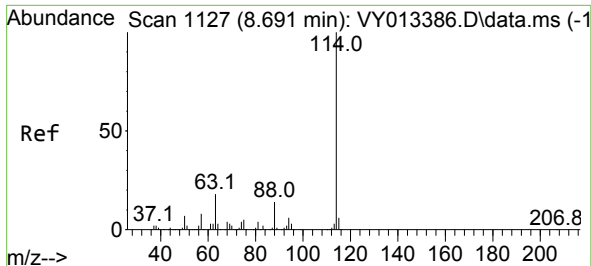
Tgt Ion: 56 Resp: 4053
Ion Ratio Lower Upper
56 100
69 142.4 29.2 43.8#
84 122.1 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 70.106 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion: 65 Resp: 113634
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4

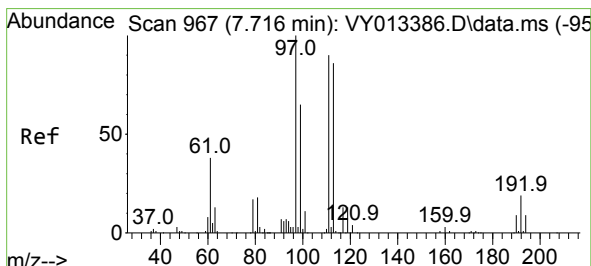
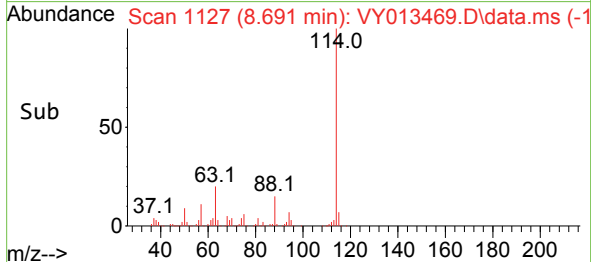
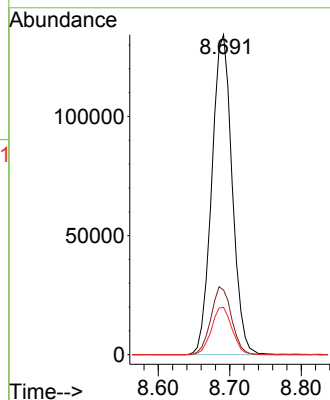
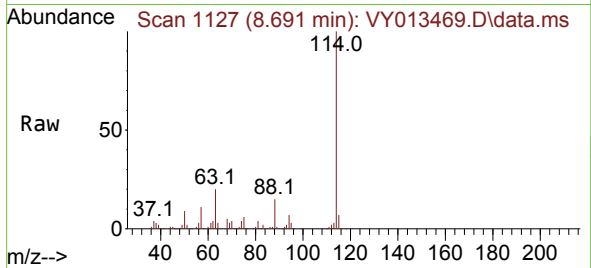




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

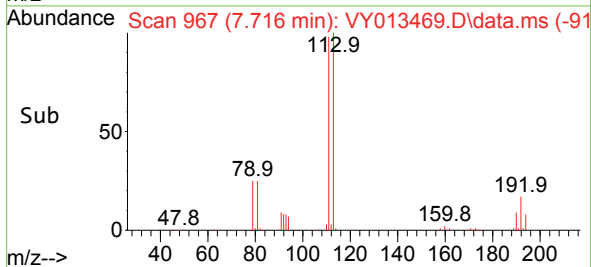
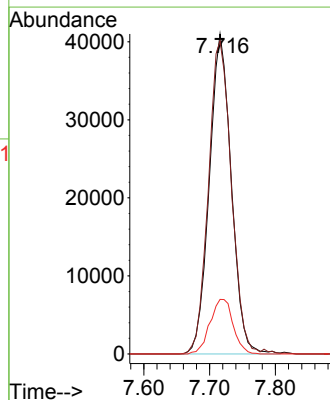
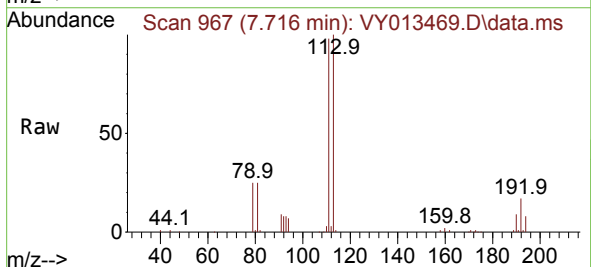
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

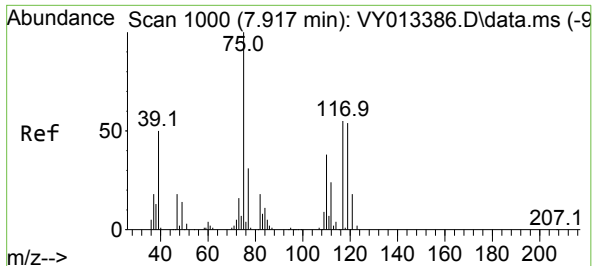
Tgt Ion:114 Resp: 265617
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.6
88 14.8 0.0 28.8



#35
Dibromofluoromethane
Concen: 57.090 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion:113 Resp: 95375
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 17.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.635 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

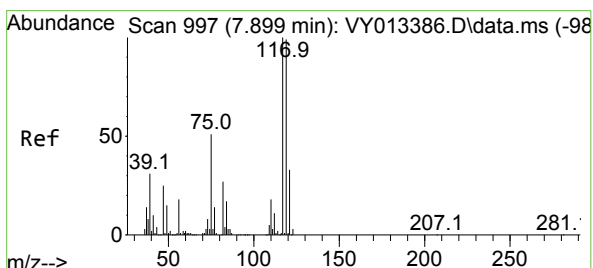
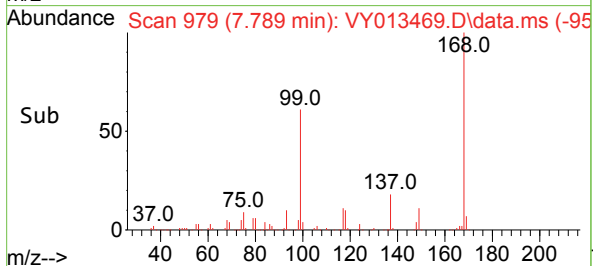
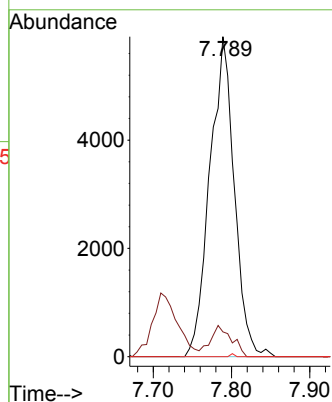
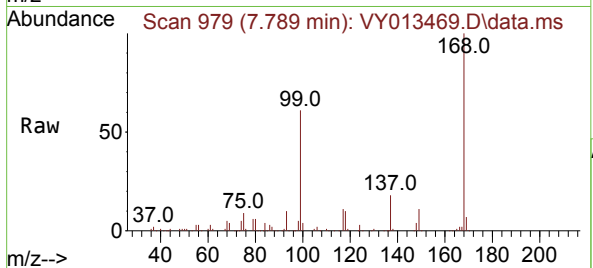
Tgt Ion: 75 Resp: 12852

Ion Ratio Lower Upper

75 100

110 8.4 18.7 56.1#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.313 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

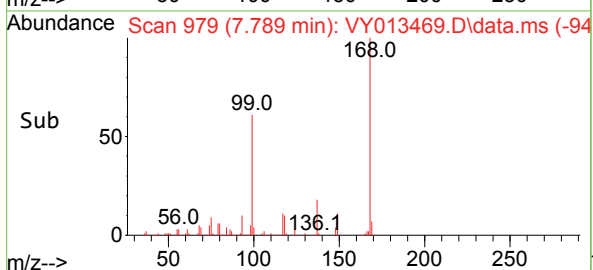
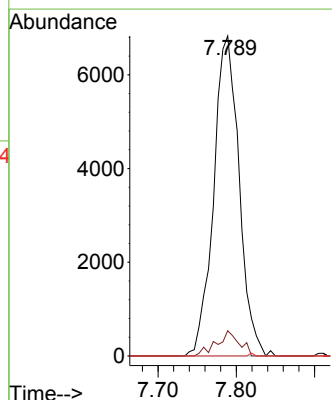
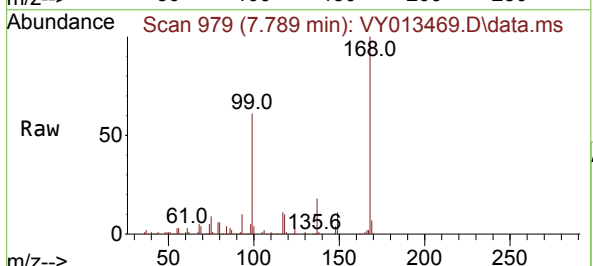
Tgt Ion: 117 Resp: 15439

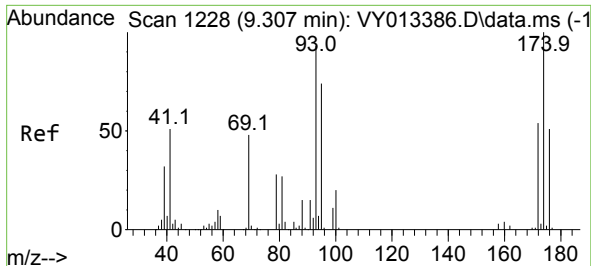
Ion Ratio Lower Upper

117 100

119 7.9 79.0 118.6#

121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 1.433 ug/l

RT: 9.027 min Scan# 1182

Delta R.T. -0.280 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

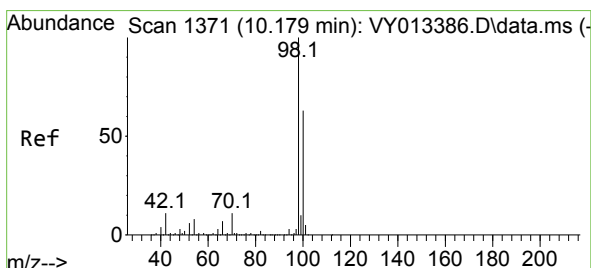
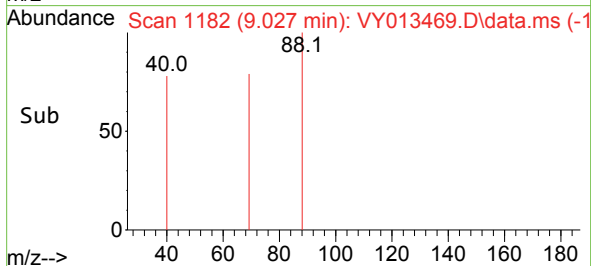
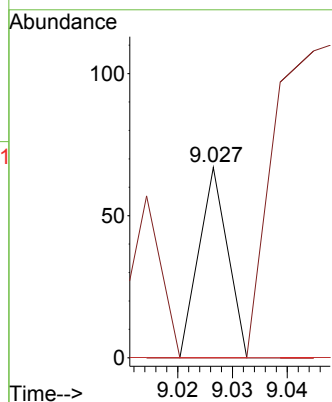
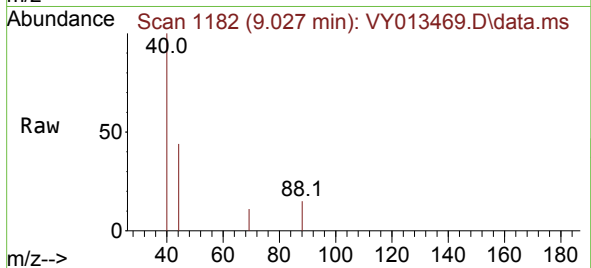
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 56.457 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013469.D

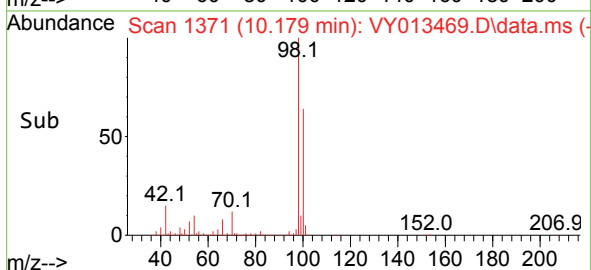
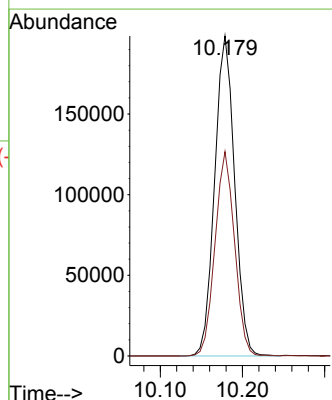
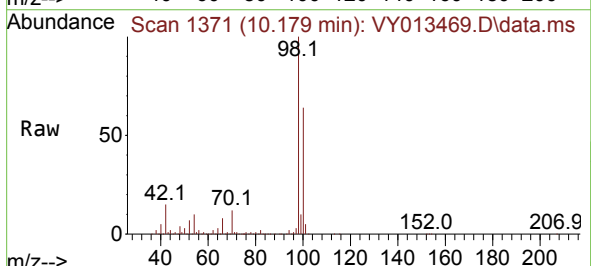
Acq: 26 Apr 2023 13:32

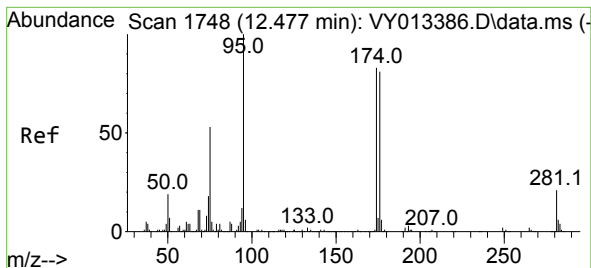
Tgt Ion: 98 Resp: 335527

Ion Ratio Lower Upper

98 100

100 62.5 50.5 75.7

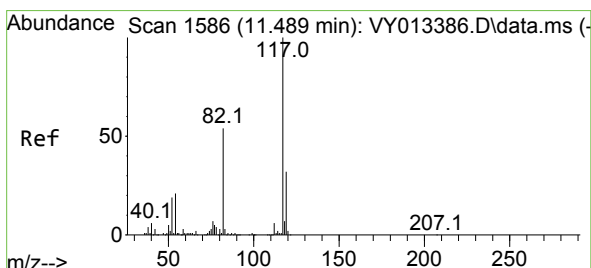
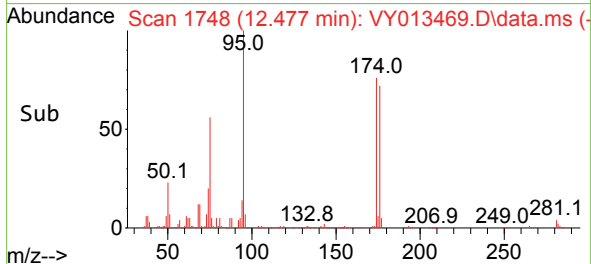
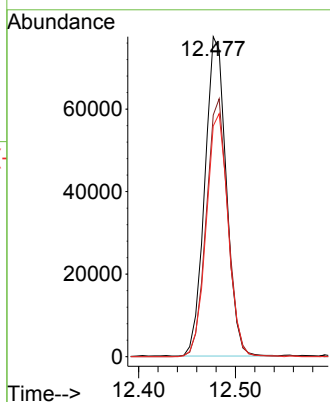
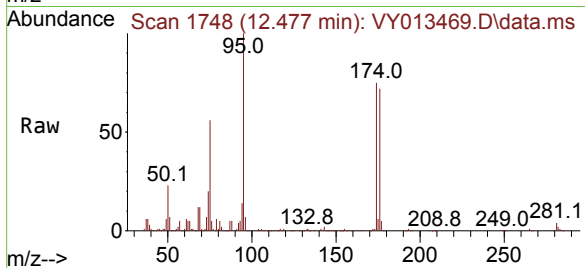




#62
4-Bromofluorobenzene
Concen: 59.633 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

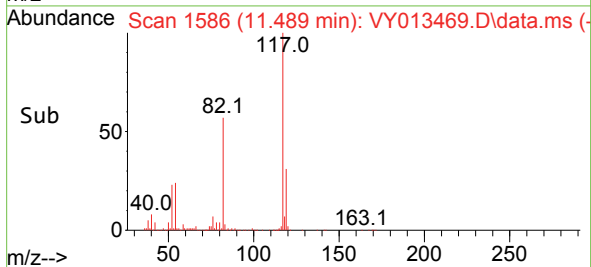
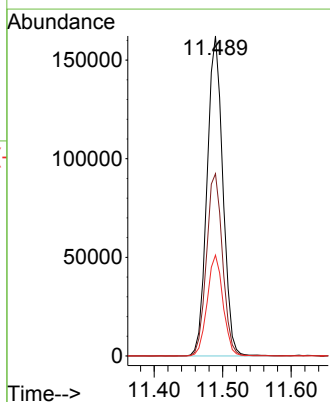
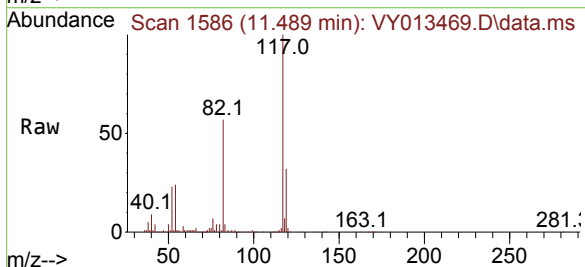
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

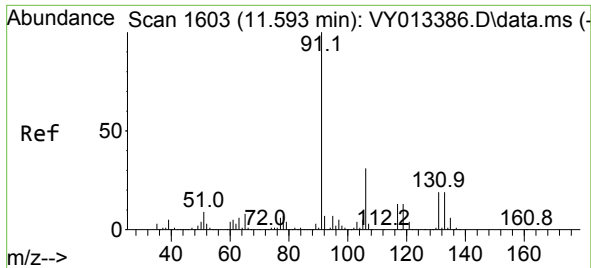
Tgt Ion: 95 Resp: 119478
Ion Ratio Lower Upper
95 100
174 81.1 0.0 182.0
176 77.6 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion: 117 Resp: 259713
Ion Ratio Lower Upper
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82 56.9 43.0 64.6
119 31.5 25.5 38.3

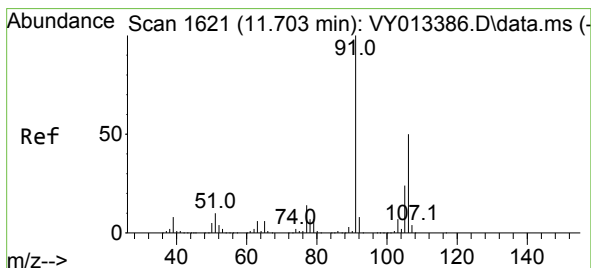
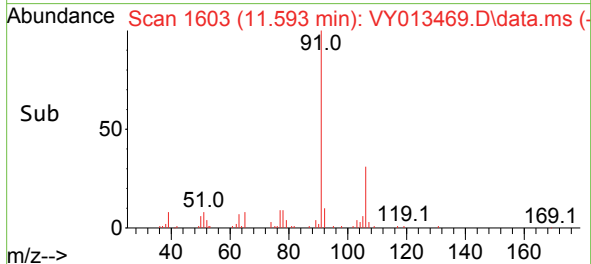
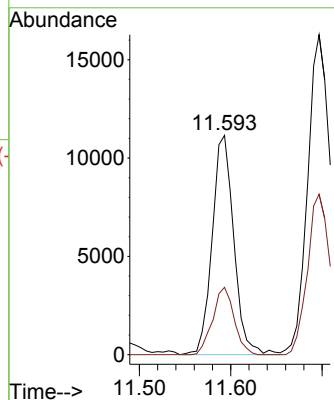
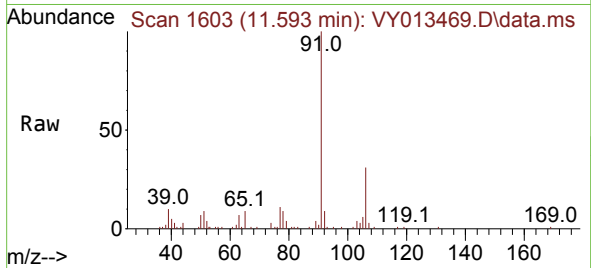




#67
Ethyl Benzene
Concen: 1.850 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

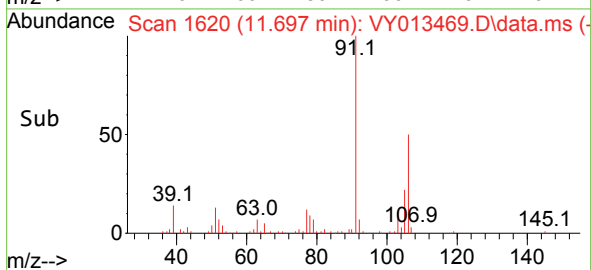
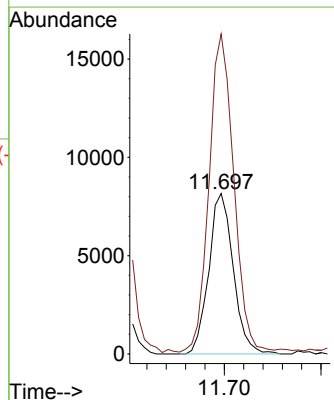
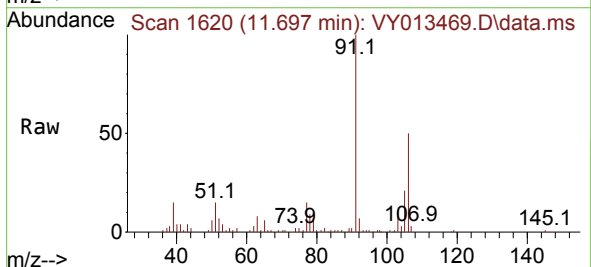
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

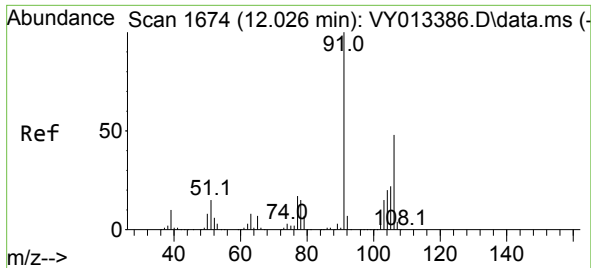
Tgt Ion: 91 Resp: 18376
Ion Ratio Lower Upper
91 100
106 30.7 25.1 37.7



#68
m/p-Xylenes
Concen: 3.802 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion:106 Resp: 14358
Ion Ratio Lower Upper
106 100
91 199.0 160.9 241.3

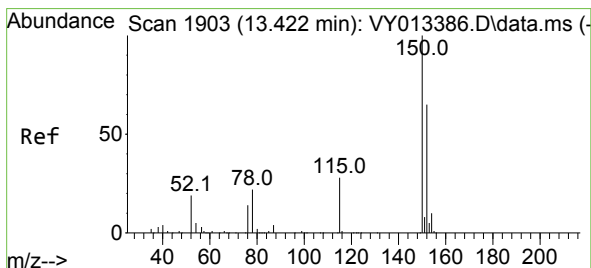
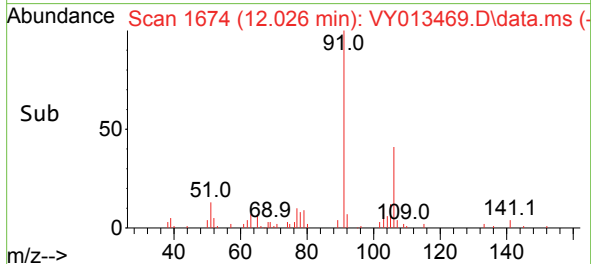
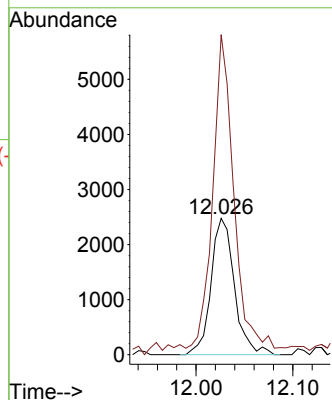
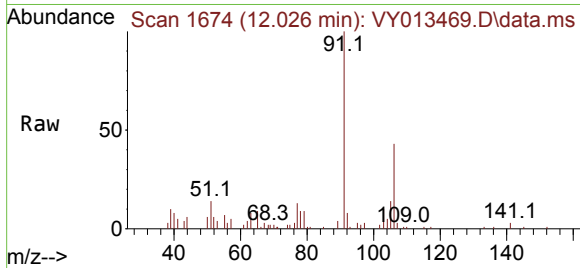




#69
o-Xylene
Concen: 1.166 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

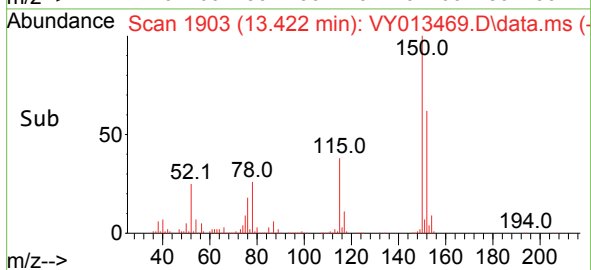
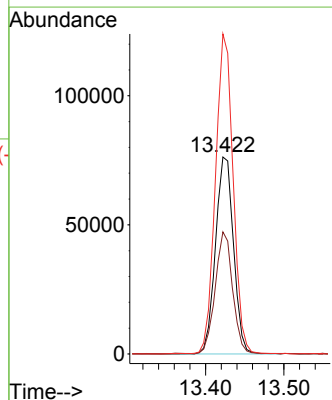
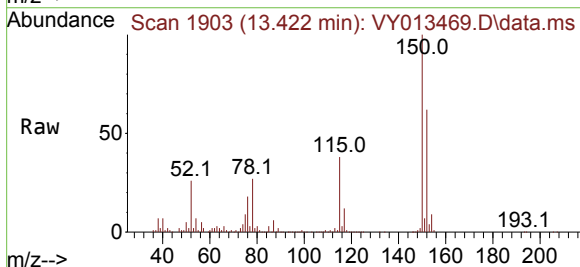
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

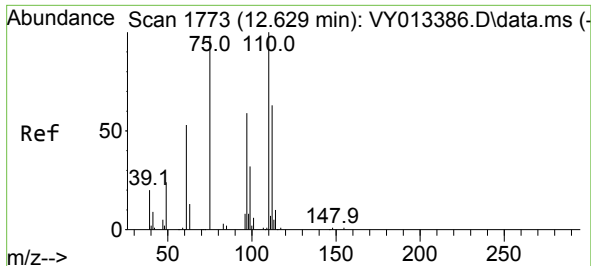
Tgt Ion:106 Resp: 4166
Ion Ratio Lower Upper
106 100
91 202.7 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion:152 Resp: 122098
Ion Ratio Lower Upper
152 100
115 60.4 28.1 84.2
150 159.2 0.0 352.0

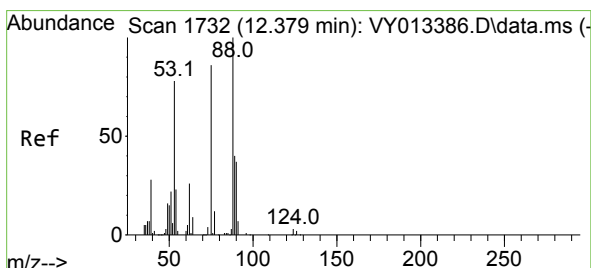
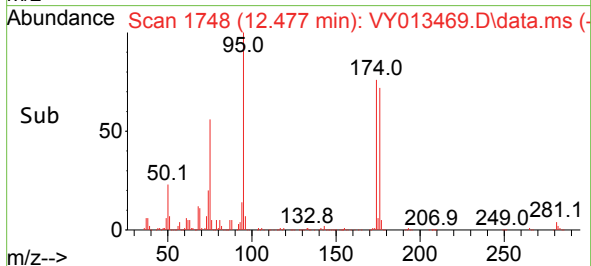
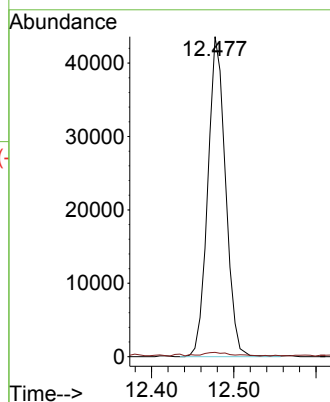
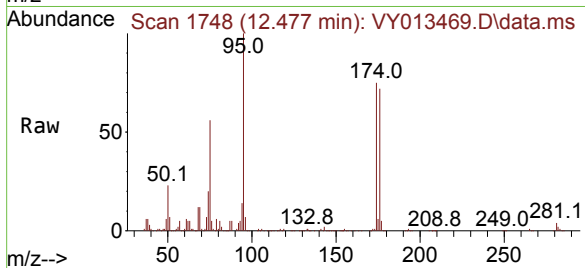




#76
1,2,3-Trichloropropane
Concen: 39.793 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

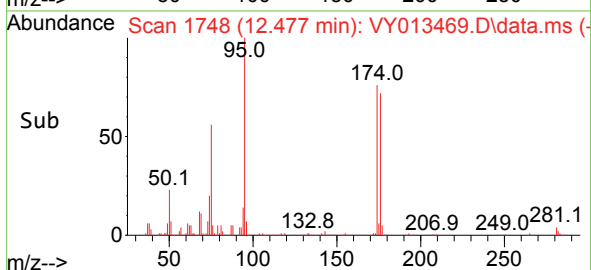
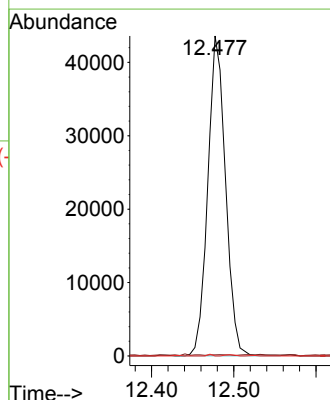
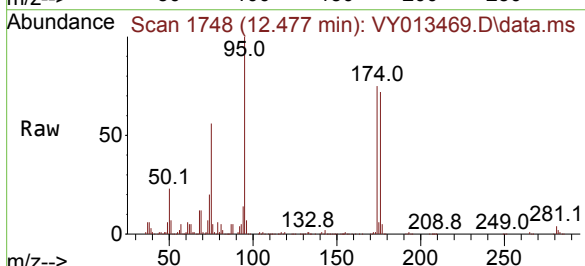
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

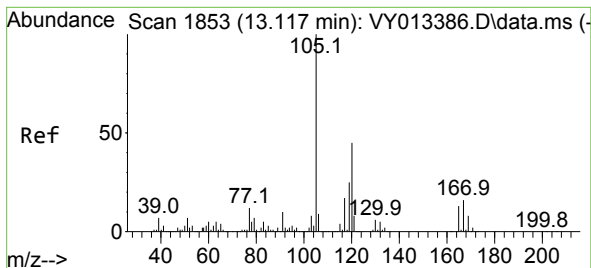
Tgt Ion: 75 Resp: 65524
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.398 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013469.D
Acq: 26 Apr 2023 13:32

Tgt Ion: 75 Resp: 65524
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.1 38.0 57.0#





#84

1,2,4-Trimethylbenzene

Concen: 2.807 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

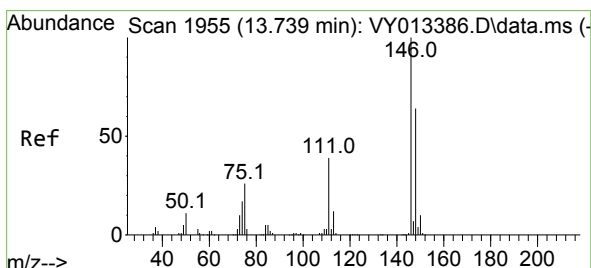
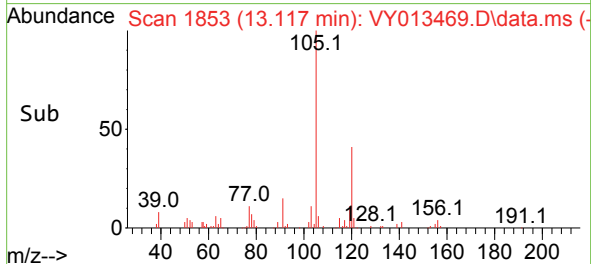
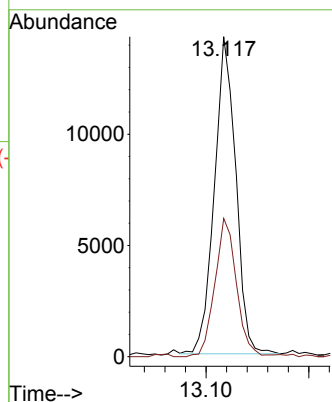
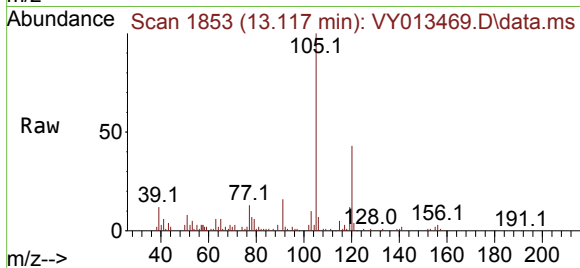
VIBLK

Tgt Ion:105 Resp: 20571

Ion Ratio Lower Upper

105 100

120 43.9 22.3 66.9



#91

1,2-Dichlorobenzene

Concen: 2.376 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

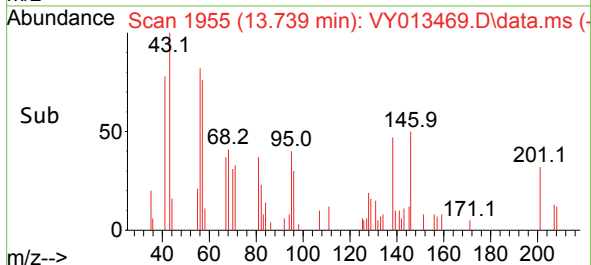
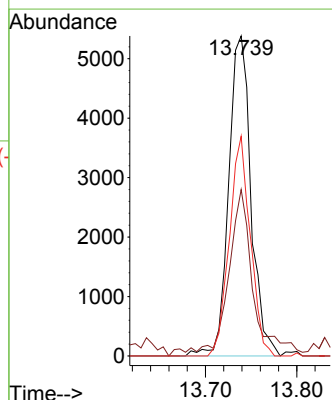
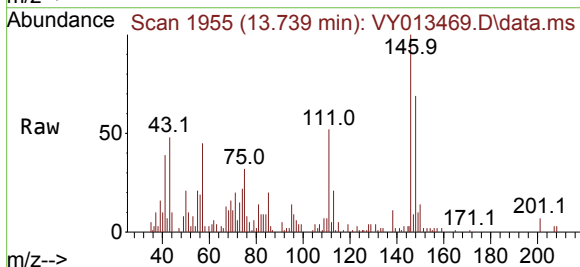
Tgt Ion:146 Resp: 9147

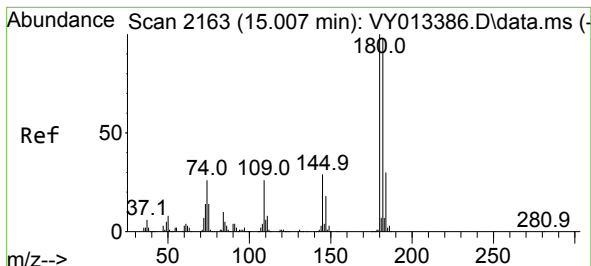
Ion Ratio Lower Upper

146 100

111 52.3 19.8 59.4

148 64.5 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 1.052 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

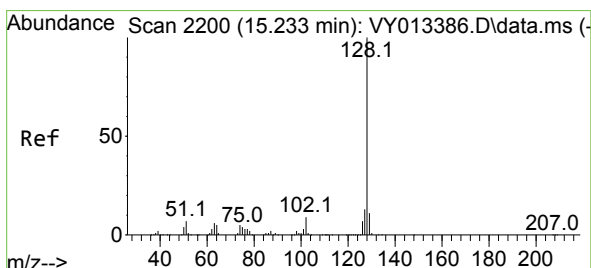
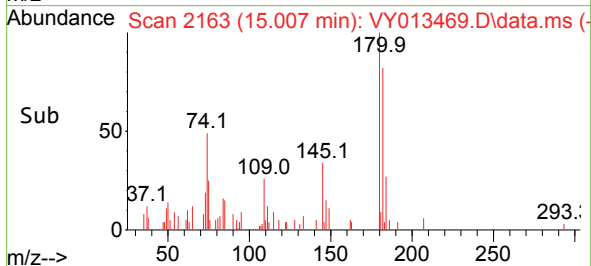
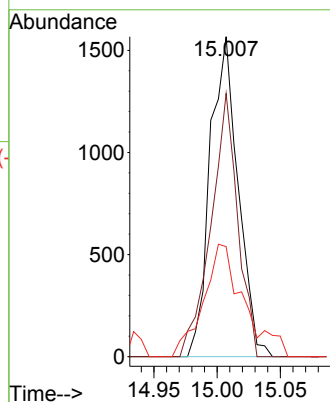
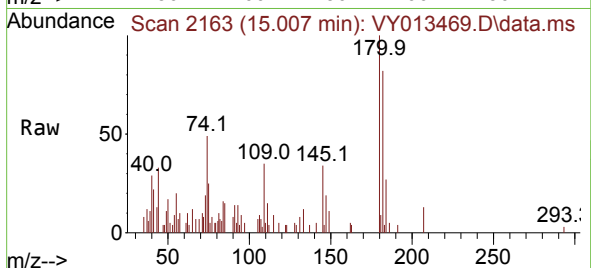
Tgt Ion:180 Resp: 2414

Ion Ratio Lower Upper

180 100

182 78.5 48.5 145.5

145 50.7 15.0 45.0#



#95

Naphthalene

Concen: 2.891 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY013469.D

Acq: 26 Apr 2023 13:32

Tgt Ion:128 Resp: 14399

Ion Ratio Lower Upper

128 100

127 15.6 10.7 16.1

129 11.8 8.8 13.2

