

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013399.D
 Acq On : 24 Apr 2023 13:43
 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 25 02:03:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 24 14:03:33 2023
 Response via : Initial Calibration

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

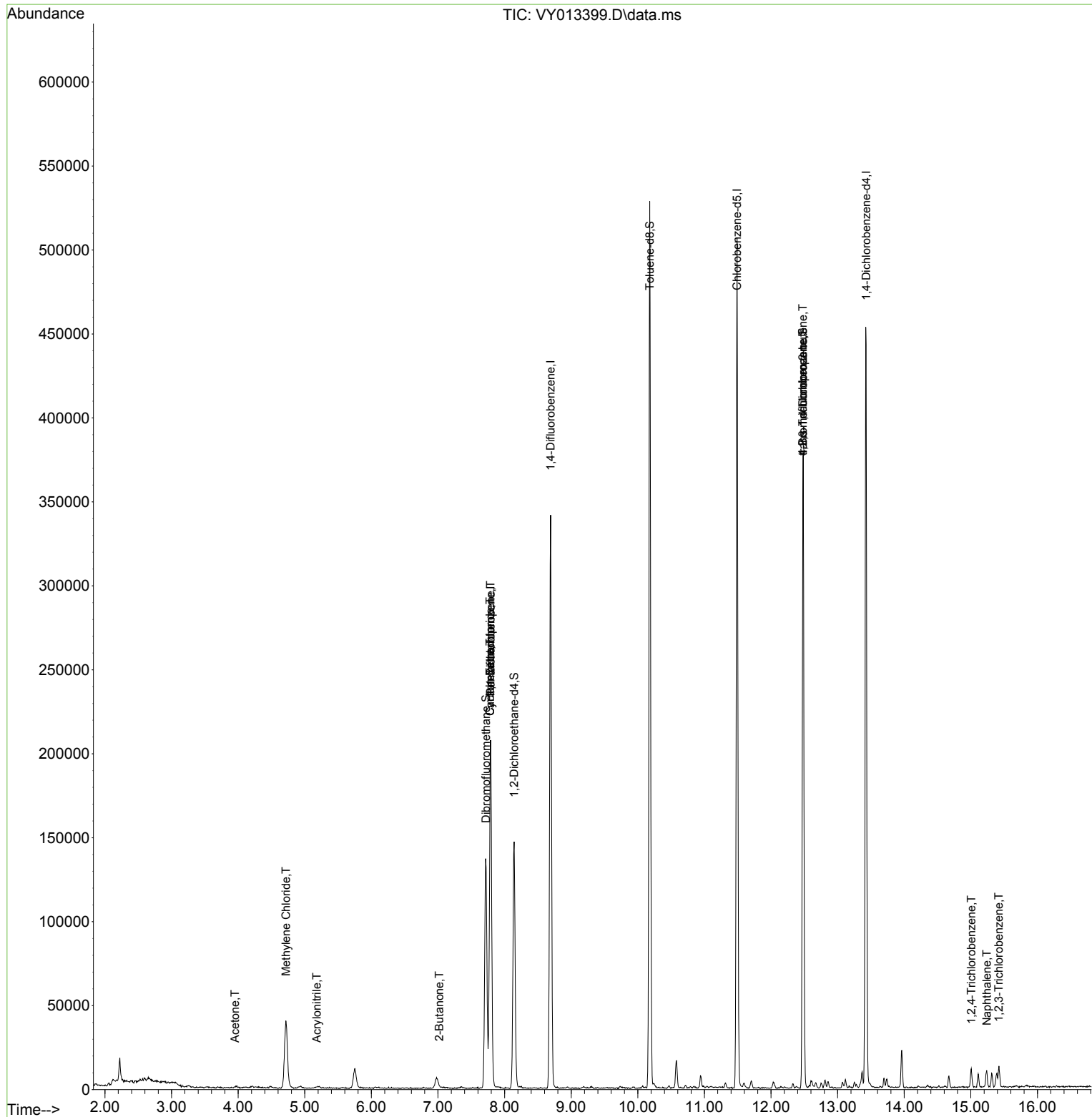
Internal Standards						
1) Pentafluorobenzene	7.789	168	156596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	272231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	250597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	111948	65.214	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.420%	
35) Dibromofluoromethane	7.722	113	96702	56.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.960%	
50) Toluene-d8	10.179	98	330298	54.227	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.460%	
62) 4-Bromofluorobenzene	12.477	95	105608	51.430	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.860%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.003	59	91	Below Cal	#	89
13) Acrolein	3.723	56	170	Below Cal	#	77
15) Acrylonitrile	5.180	53	583	1.016	ug/l #	36
16) Acetone	3.954	43	997	1.475	ug/l	89
20) Methylene Chloride	4.716	84	28501	6.404	ug/l #	80
25) 2-Butanone	7.021	43	1167	1.361	ug/l #	47
31) Cyclohexane	7.783	56	4168	1.356	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	13036	4.587	ug/l #	49
38) Carbon Tetrachloride	7.783	117	15411	5.174	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	58290	37.189	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58290	77.887	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.007	180	3102	1.454	ug/l	97
95) Naphthalene	15.239	128	8345	1.802	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	3601	1.893	ug/l	99

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

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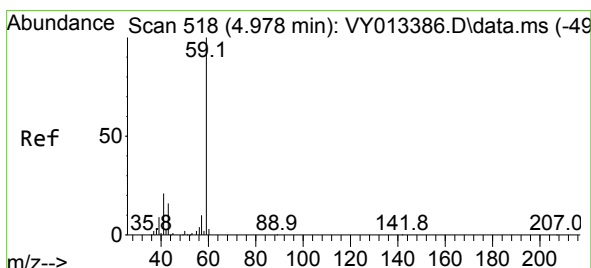
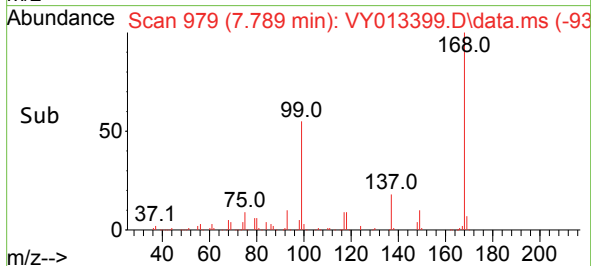
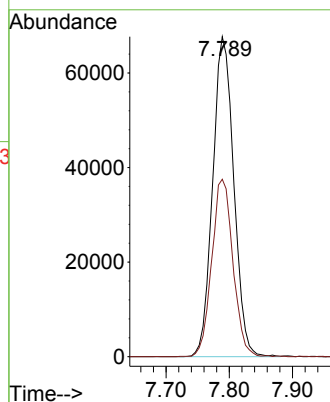
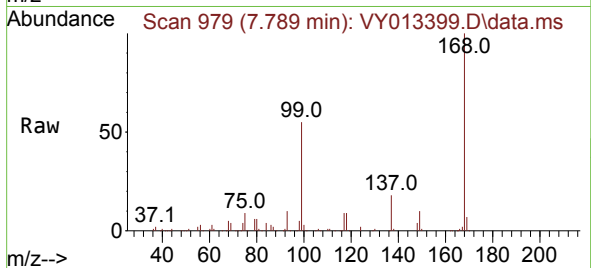




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

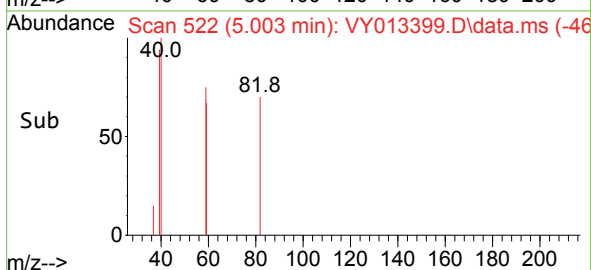
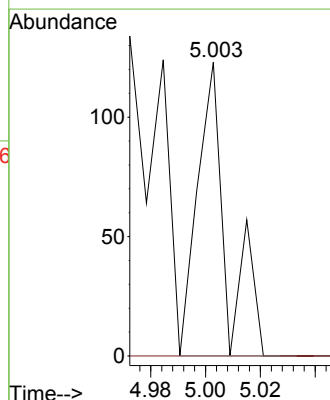
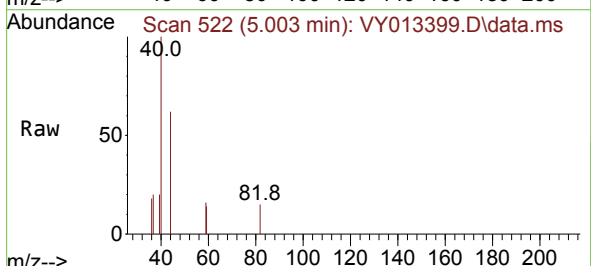
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

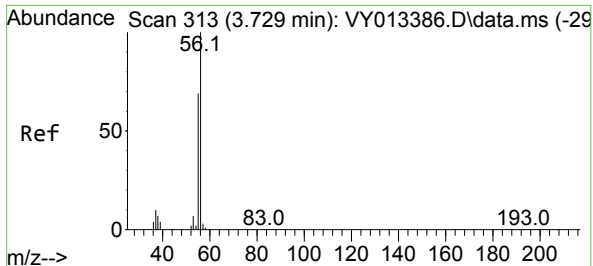
Tgt Ion:168 Resp: 156596
Ion Ratio Lower Upper
168 100
99 55.3 41.8 62.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.003 min Scan# 522
Delta R.T. 0.025 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

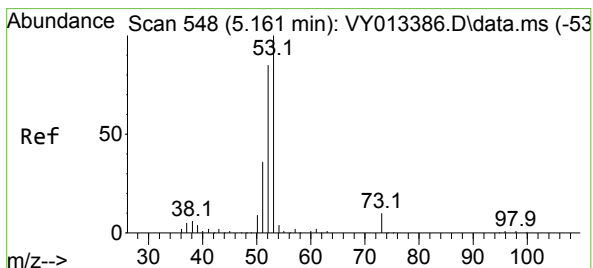
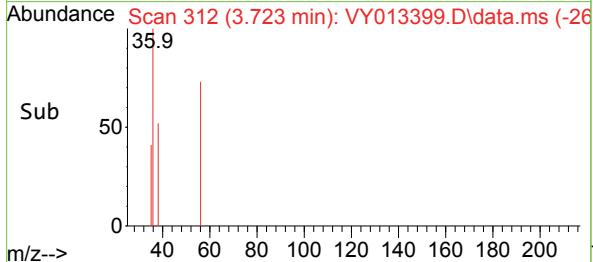
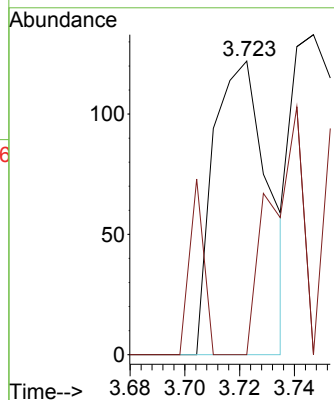
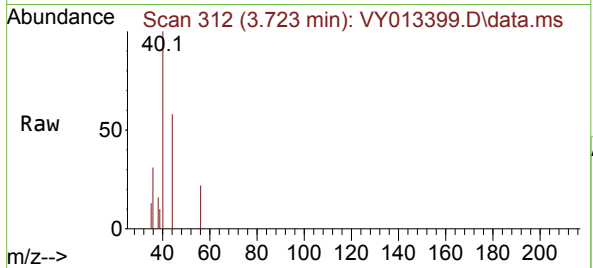




#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

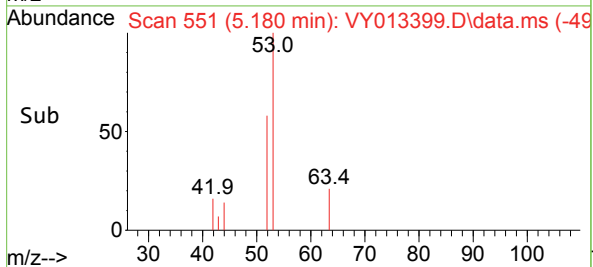
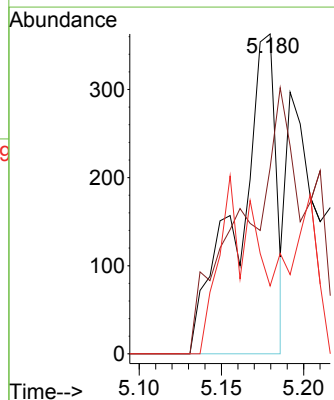
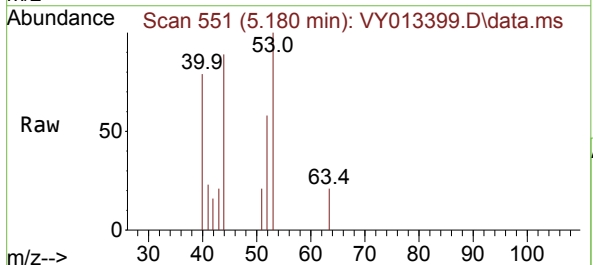
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

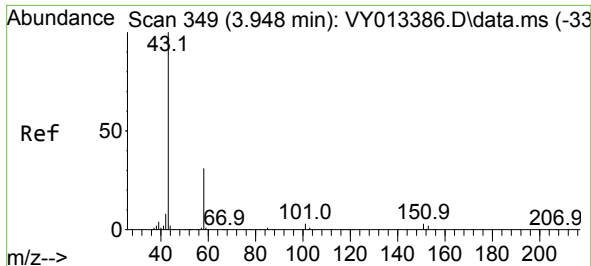
Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 48.8 54.1 81.1#



#15
Acrylonitrile
Concen: 1.016 ug/l
RT: 5.180 min Scan# 551
Delta R.T. 0.019 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

Tgt Ion: 53 Resp: 583
Ion Ratio Lower Upper
53 100
52 140.3 65.4 98.0#
51 0.0 29.3 43.9#

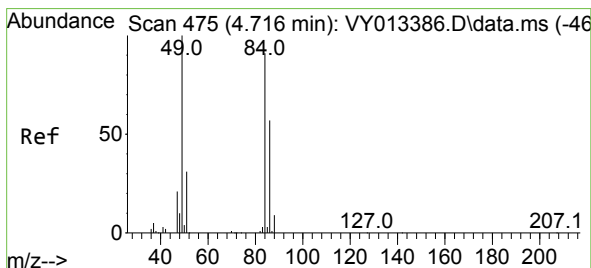
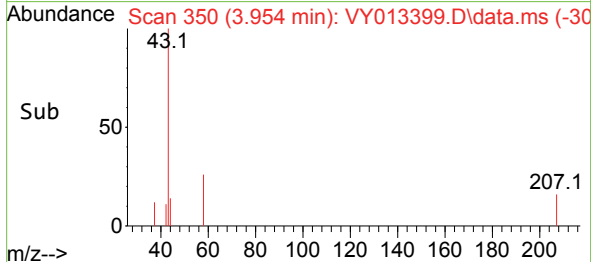
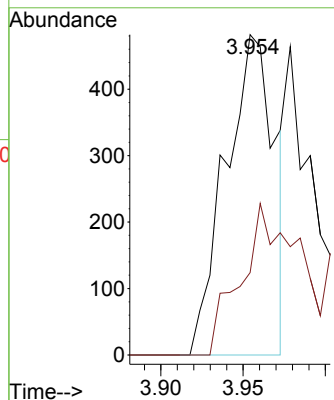
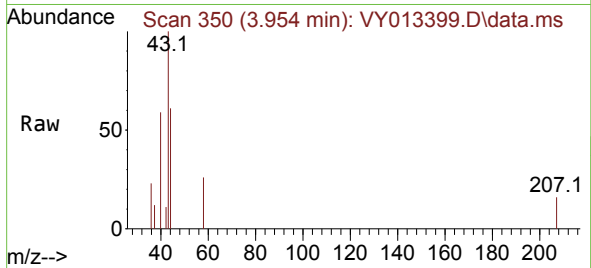




#16
Acetone
Concen: 1.475 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

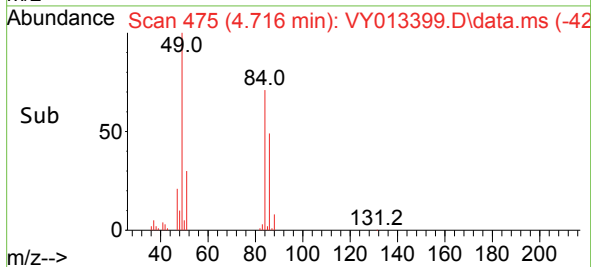
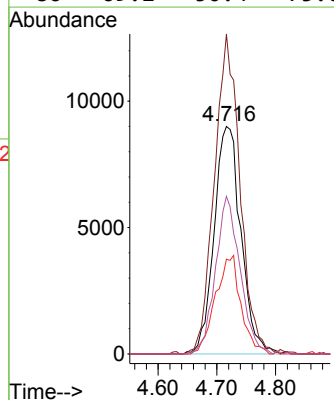
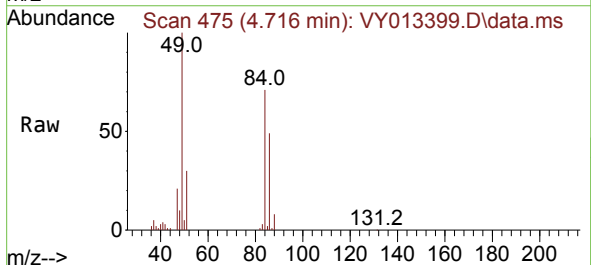
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

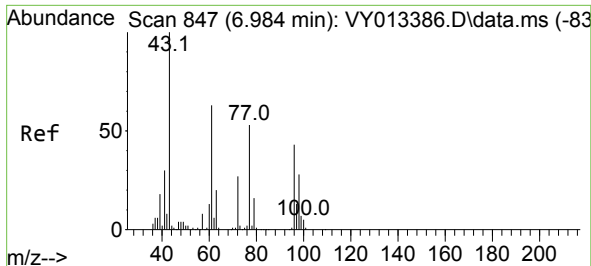
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
58 25.7 25.4 38.0



#20
Methylene Chloride
Concen: 6.404 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

Tgt Ion: 84 Resp: 28501
Ion Ratio Lower Upper
84 100
49 140.6 88.0 132.0#
51 41.6 27.4 41.0#
86 69.2 50.4 75.6





#25

2-Butanone

Concen: 1.361 ug/l

RT: 7.021 min Scan# 8

Delta R.T. 0.037 min

Lab File: VY013399.D

Acq: 24 Apr 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

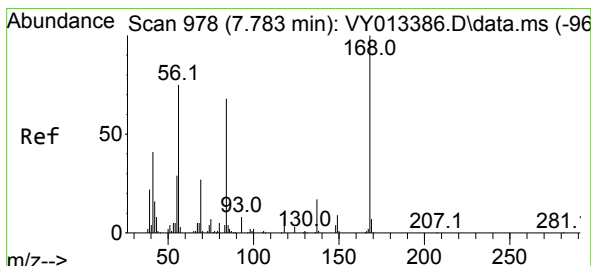
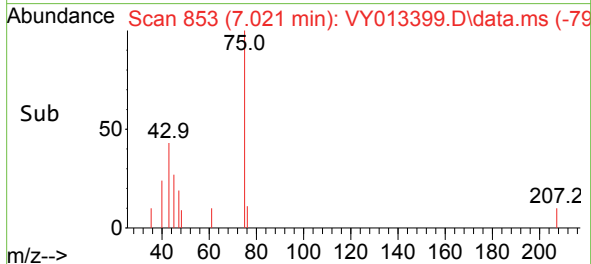
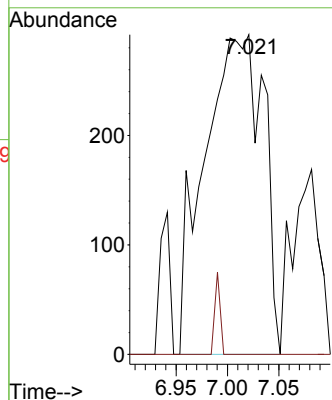
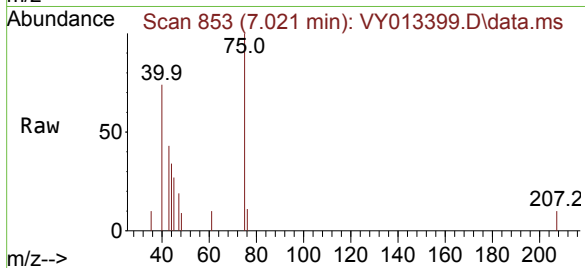
VIBLK

Tgt Ion: 43 Resp: 1167

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013399.D

Acq: 24 Apr 2023 13:43

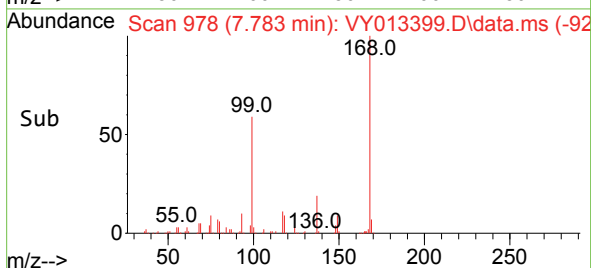
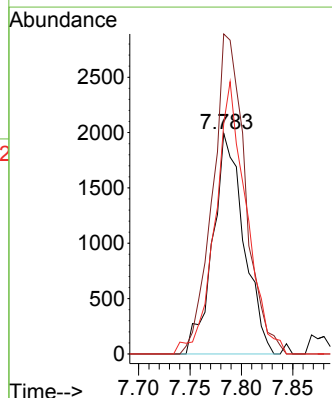
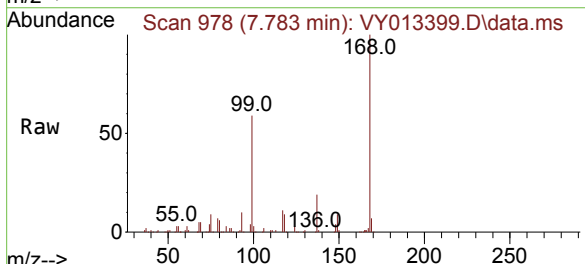
Tgt Ion: 56 Resp: 4168

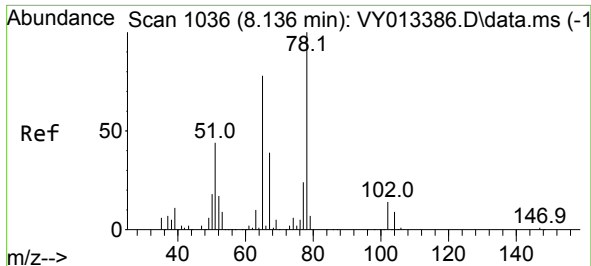
Ion Ratio Lower Upper

56 100

69 145.1 29.2 43.8#

84 99.0 73.0 109.6

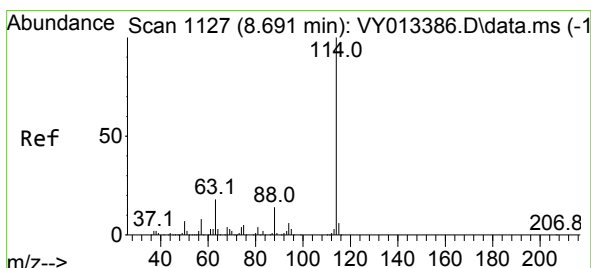
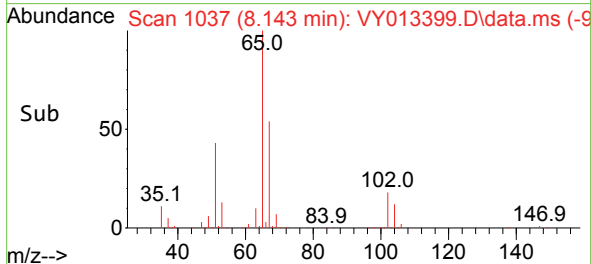
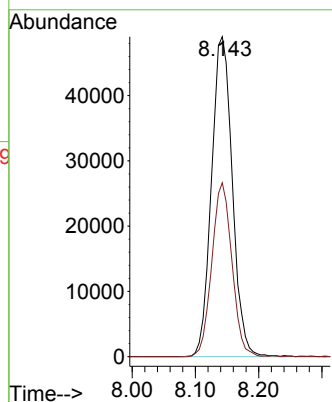
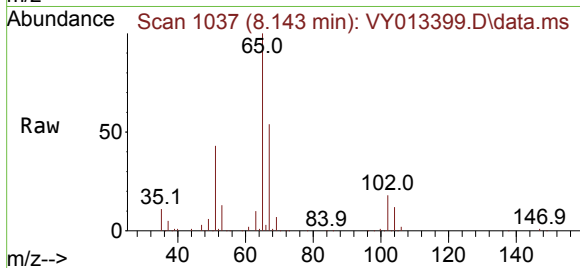




#33
1,2-Dichloroethane-d4
Concen: 65.214 ug/l
RT: 8.143 min Scan# 110
Delta R.T. 0.007 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

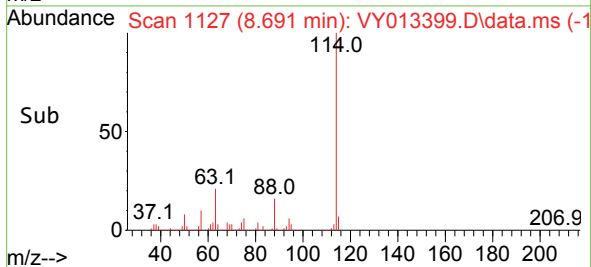
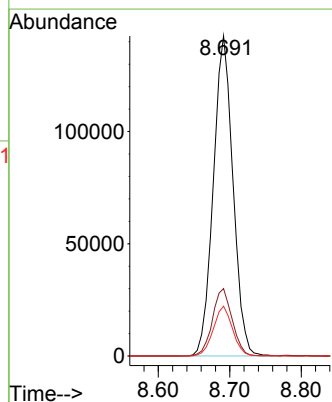
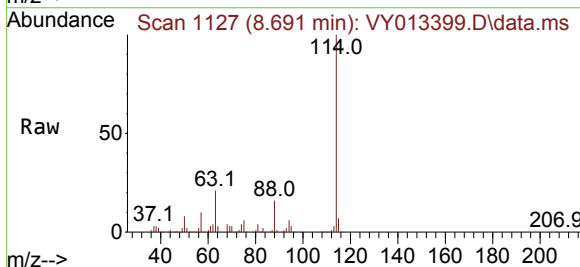
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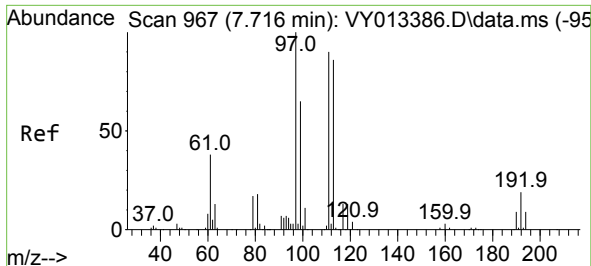
Tgt Ion: 65 Resp: 111948
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

Tgt Ion: 114 Resp: 272231
Ion Ratio Lower Upper
114 100
63 21.0 0.0 36.6
88 15.6 0.0 28.8

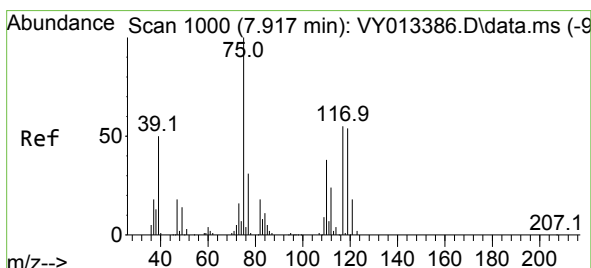
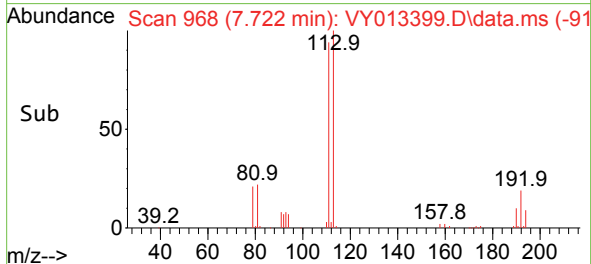
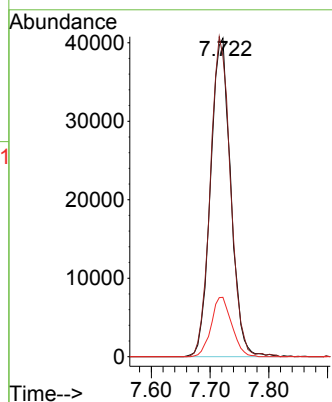
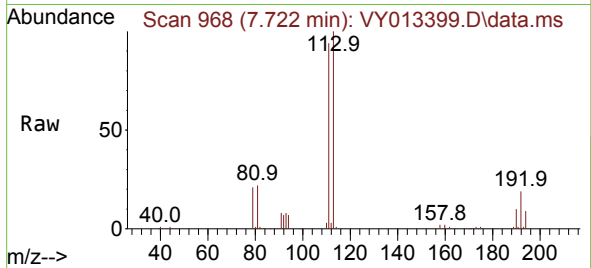




#35
 Dibromofluoromethane
 Concen: 56.478 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY013399.D
 Acq: 24 Apr 2023 13:43

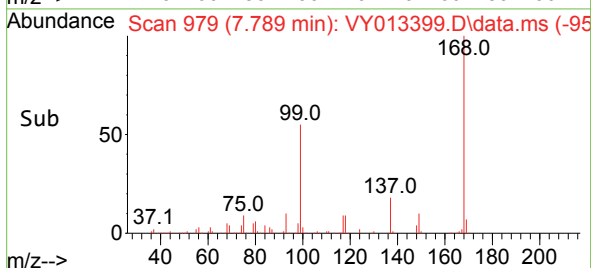
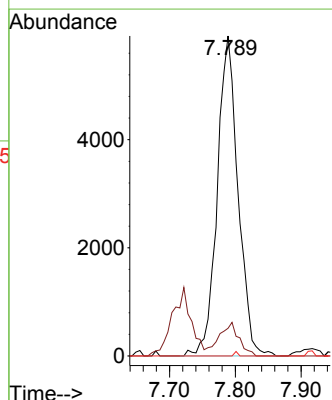
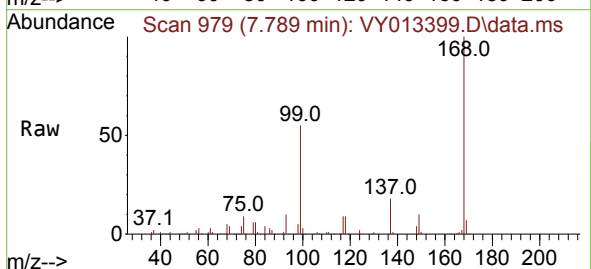
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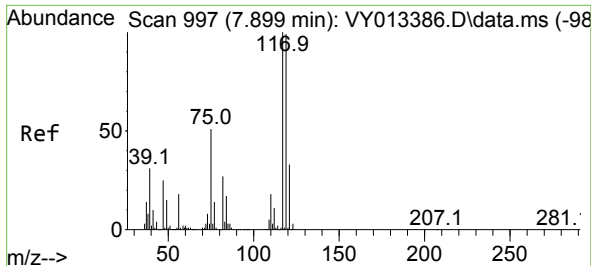
Tgt Ion:113 Resp: 96702
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.2 123.2
 192 19.0 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.587 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY013399.D
 Acq: 24 Apr 2023 13:43

Tgt Ion: 75 Resp: 13036
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.7 56.1#
 77 0.2 24.6 37.0#

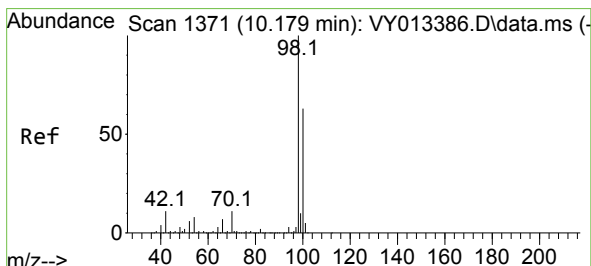
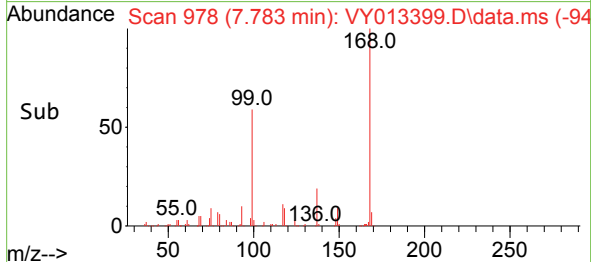
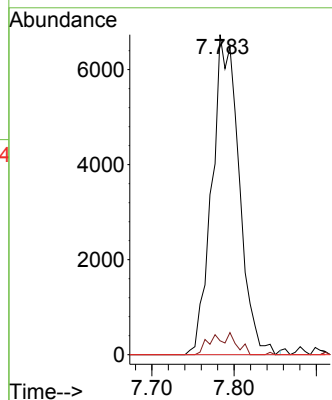
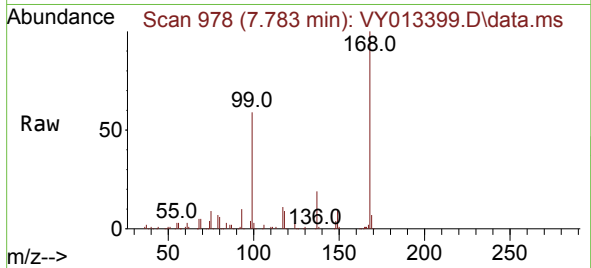




#38
Carbon Tetrachloride
Concen: 5.174 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

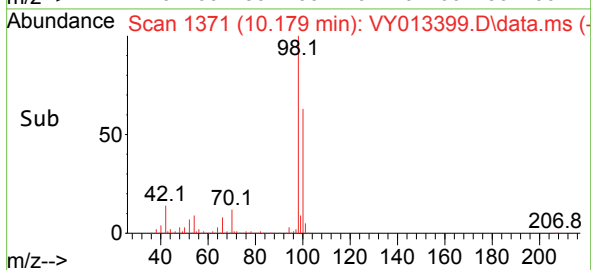
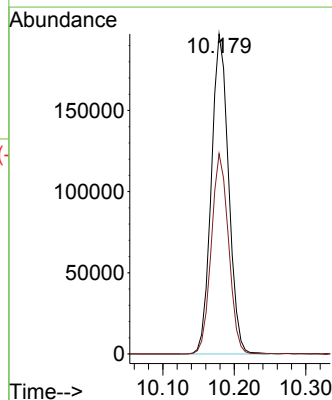
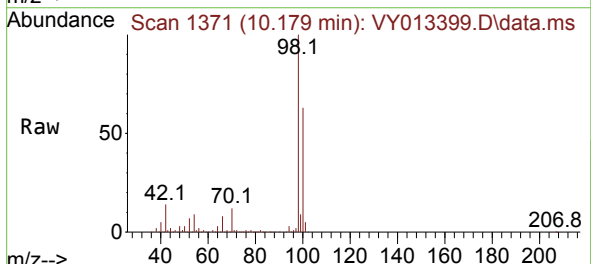
Instrument :
MSVOA_Y
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VIBLK

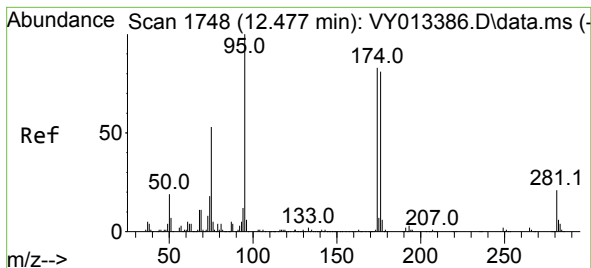
Tgt Ion:117 Resp: 15411
Ion Ratio Lower Upper
117 100
119 4.4 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.227 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

Tgt Ion: 98 Resp: 330298
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7

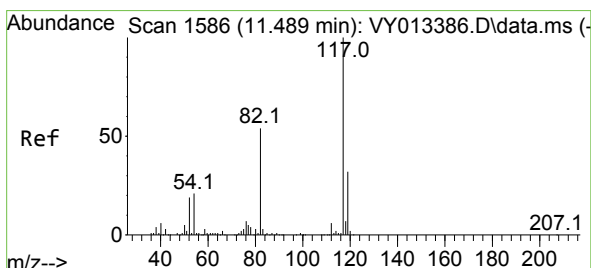
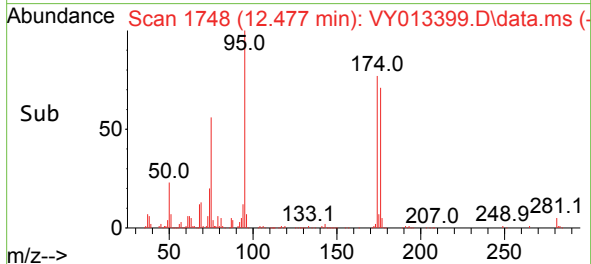
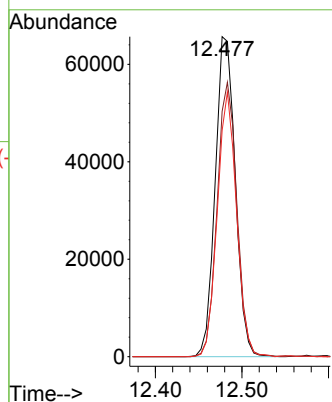
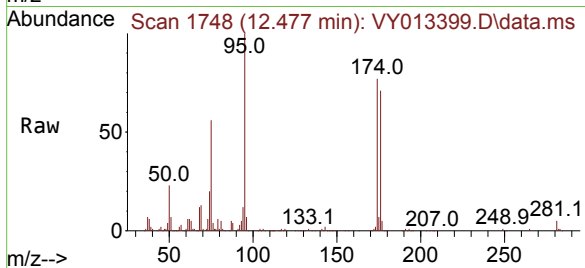




#62
4-Bromofluorobenzene
Concen: 51.430 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

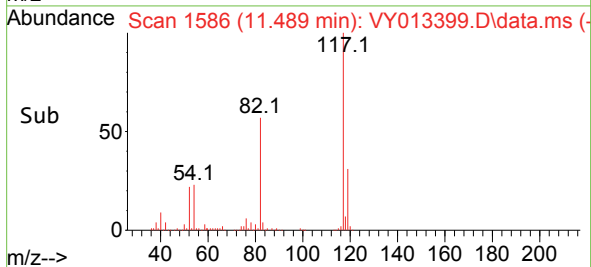
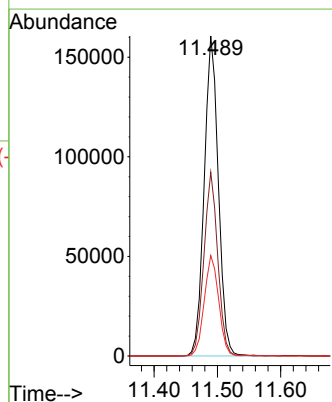
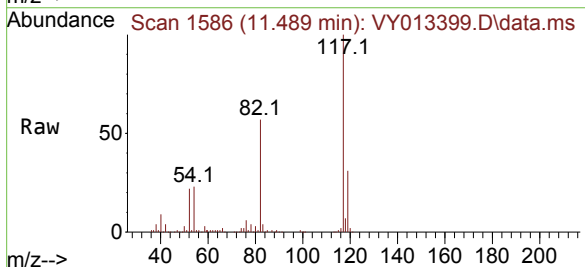
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

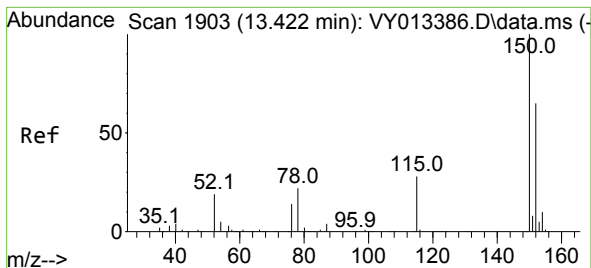
Tgt Ion: 95 Resp: 105608
Ion Ratio Lower Upper
95 100
174 84.6 0.0 182.0
176 79.3 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

Tgt Ion: 117 Resp: 250597
Ion Ratio Lower Upper
117 100
82 57.4 43.0 64.6
119 31.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013399.D

Acq: 24 Apr 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

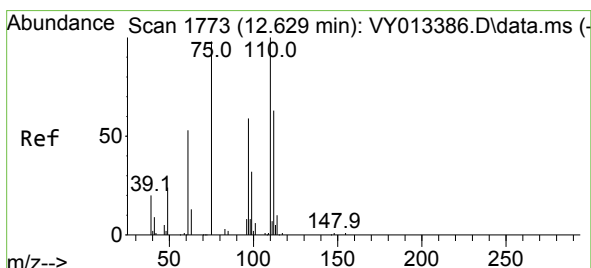
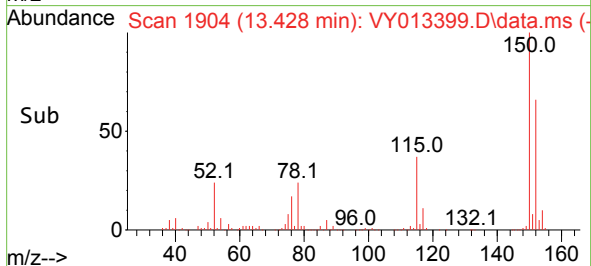
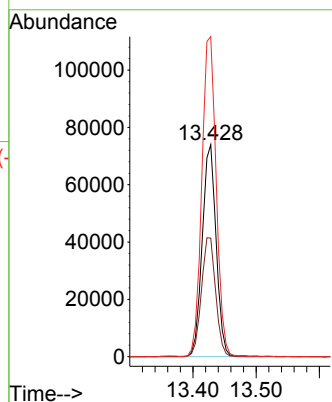
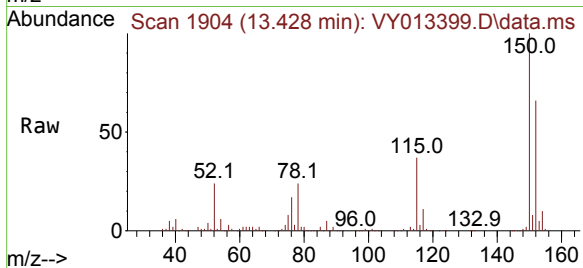
Tgt Ion:152 Resp: 113514

Ion Ratio Lower Upper

152 100

115 57.5 28.1 84.2

150 156.0 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.189 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013399.D

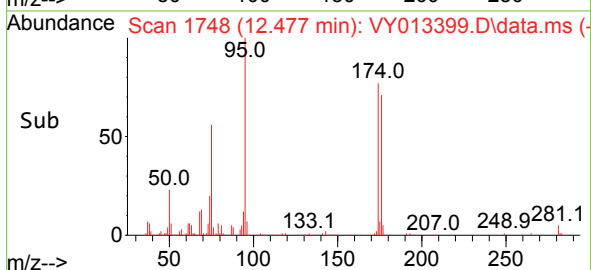
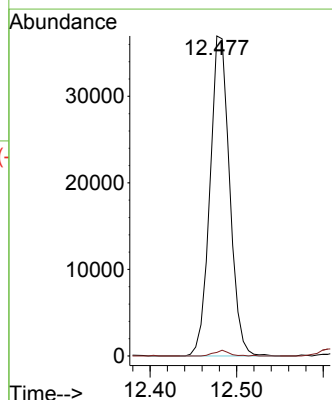
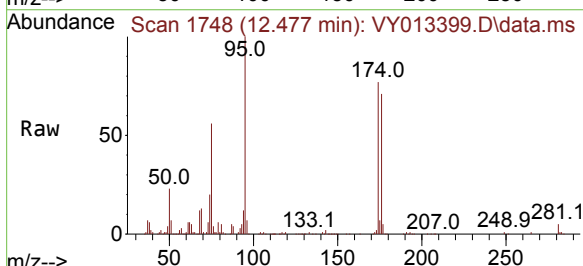
Acq: 24 Apr 2023 13:43

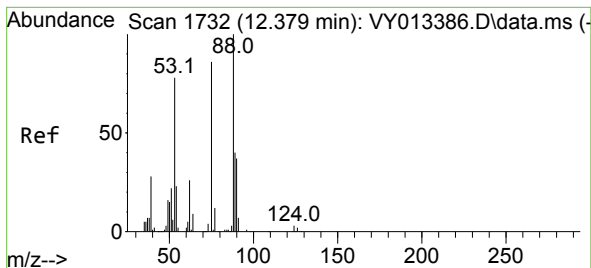
Tgt Ion: 75 Resp: 58290

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

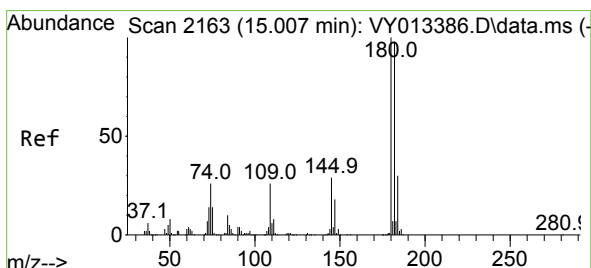
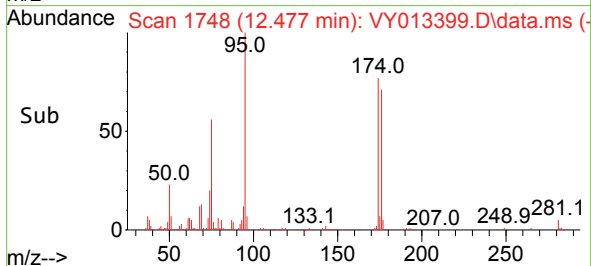
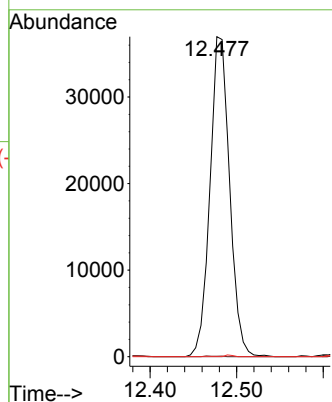
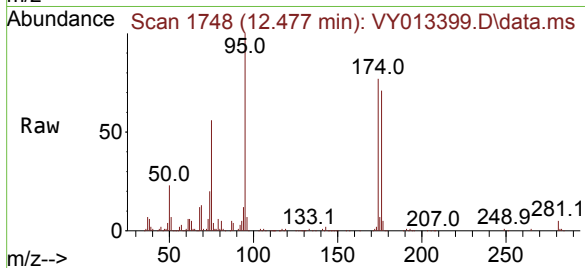




#81
trans-1,4-Dichloro-2-butene
Concen: 77.887 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

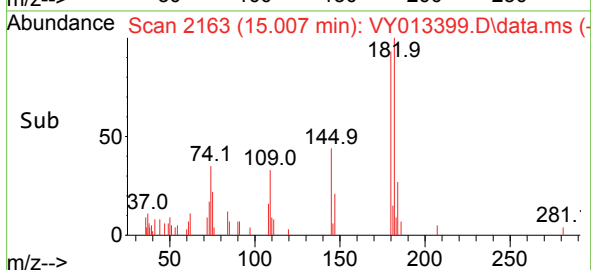
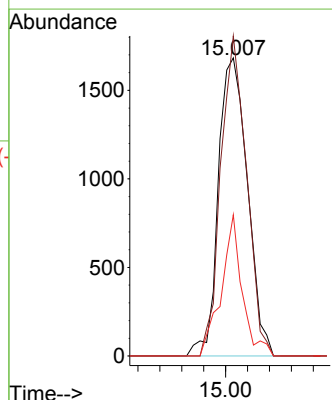
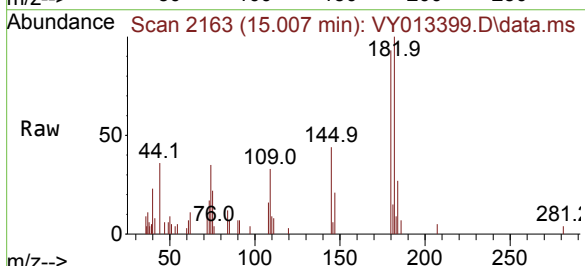
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

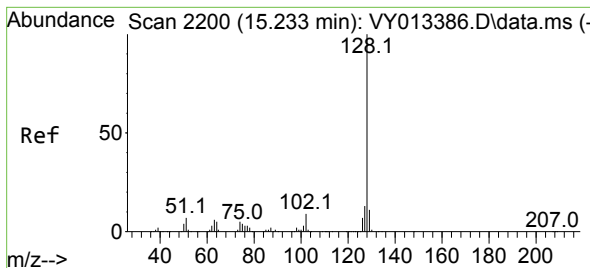
Tgt Ion: 75 Resp: 58290
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.2 38.0 57.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.454 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY013399.D
Acq: 24 Apr 2023 13:43

Tgt Ion:180 Resp: 3102
Ion Ratio Lower Upper
180 100
182 95.1 48.5 145.5
145 33.9 15.0 45.0





#95

Naphthalene

Concen: 1.802 ug/l

RT: 15.239 min Scan# 2200

Delta R.T. 0.006 min

Lab File: VY013399.D

Acq: 24 Apr 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

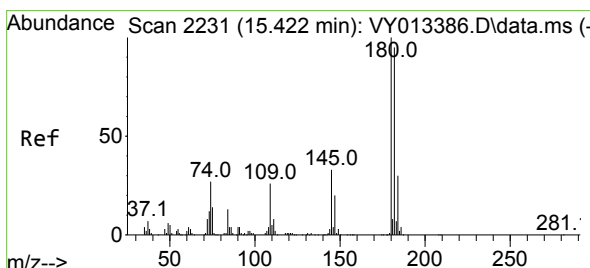
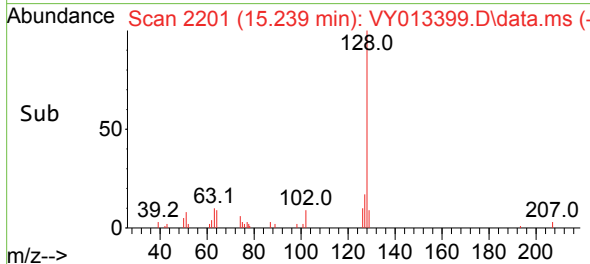
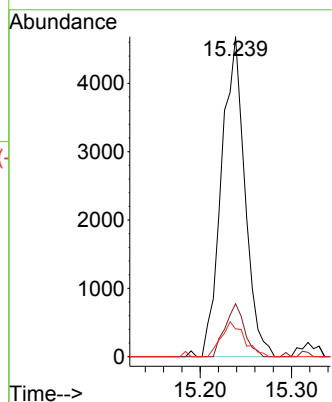
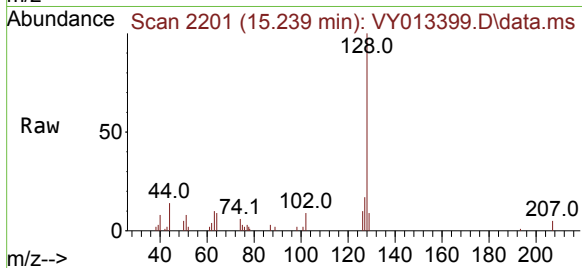
Tgt Ion:128 Resp: 8345

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

129 10.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 1.893 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013399.D

Acq: 24 Apr 2023 13:43

Tgt Ion:180 Resp: 3601

Ion Ratio Lower Upper

180 100

182 92.8 47.1 141.3

145 31.1 15.9 47.7

