

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014517.D
 Acq On : 30 Jun 2023 15:14
 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: Jun 30 23:16:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

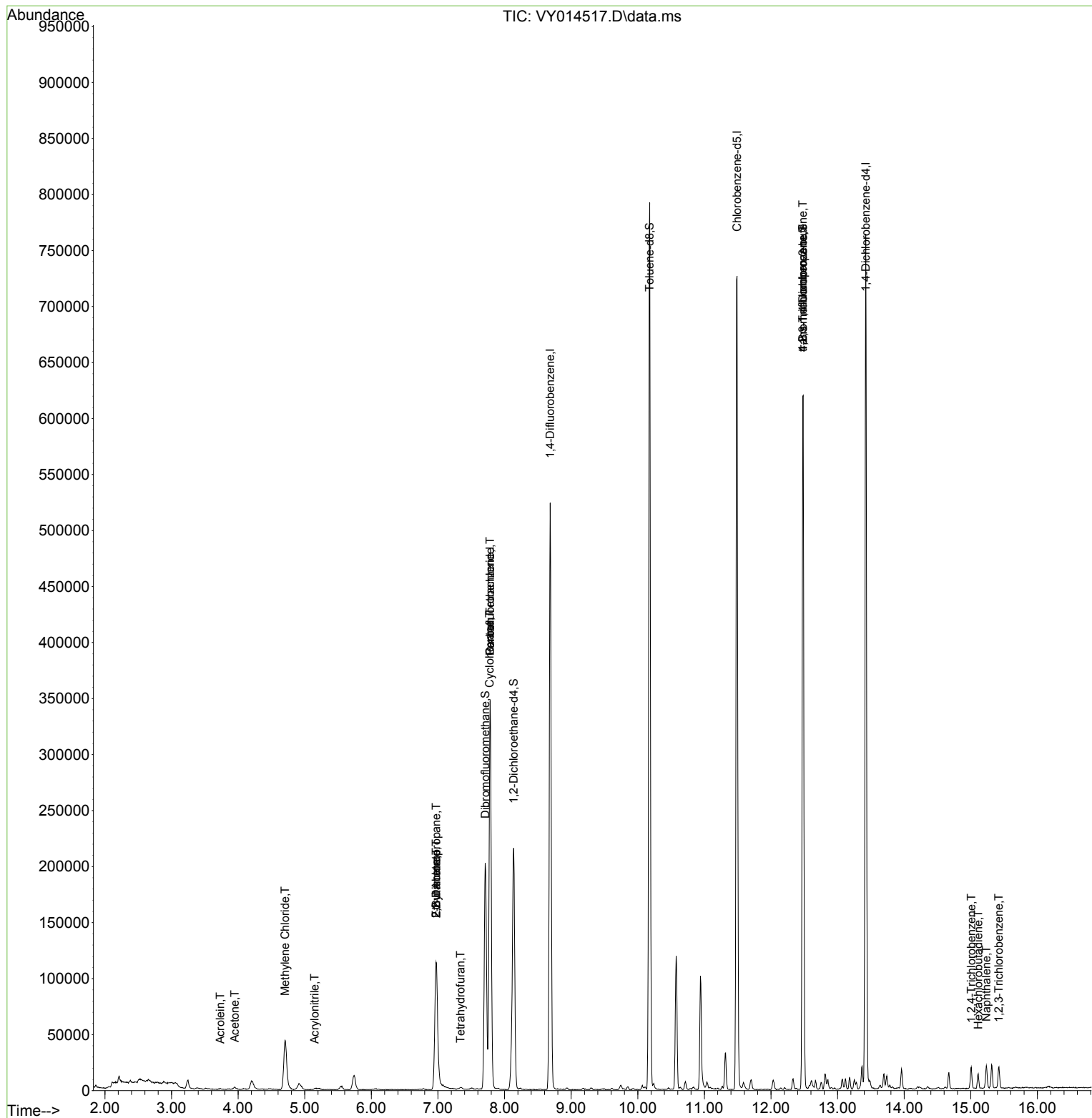
Internal Standards						
1) Pentafluorobenzene	7.783	168	296603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	462236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	440548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	211778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	160241	54.309	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.620%	
35) Dibromofluoromethane	7.710	113	148237	52.077	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.160%	
50) Toluene-d8	10.179	98	545433	48.472	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.940%	
62) 4-Bromofluorobenzene	12.477	95	182914	46.813	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	330	Below Cal		94
11) Tert butyl alcohol	4.912	59	6289	Below Cal	#	89
13) Acrolein	3.729	56	718	1.347	ug/l	100
15) Acrylonitrile	5.149	53	1749	1.673	ug/l #	23
16) Acetone	3.948	43	3363	3.650	ug/l #	85
20) Methylene Chloride	4.704	84	35906	6.263	ug/l #	84
25) 2-Butanone	6.972	43	6597	4.835	ug/l #	72
26) 2,2-Dichloropropane	6.972	77	9290	2.009	ug/l #	54
29) Tetrahydrofuran	7.338	42	930	1.057	ug/l #	85
31) Cyclohexane	7.777	56	5081	1.098	ug/l #	1
37) Ethyl Acetate	6.972	43	6597	2.207	ug/l #	1
38) Carbon Tetrachloride	7.783	117	25874	5.686	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	85767	34.512	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	85767	67.175	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.007	180	6720	1.551	ug/l	95
94) Hexachlorobutadiene	15.111	225	2817	1.058	ug/l	96
95) Naphthalene	15.233	128	18674	2.025	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	7135	1.807	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
Data File : VY014517.D
Acq On : 30 Jun 2023 15:14
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: Jun 30 23:16:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 30 19:02:11 2023
Response via : Initial Calibration

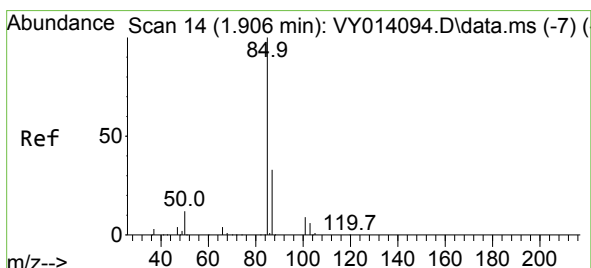
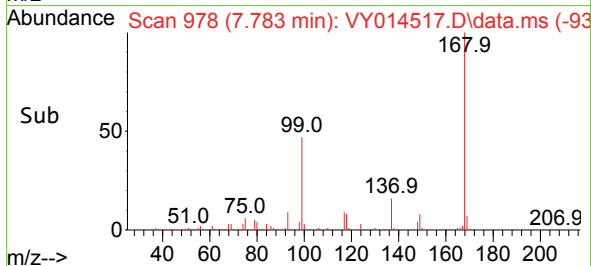
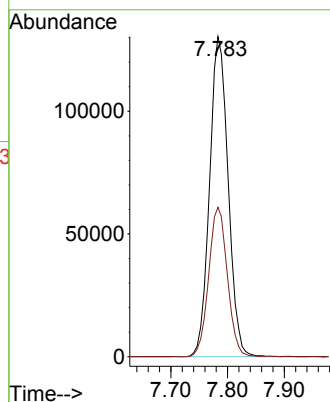
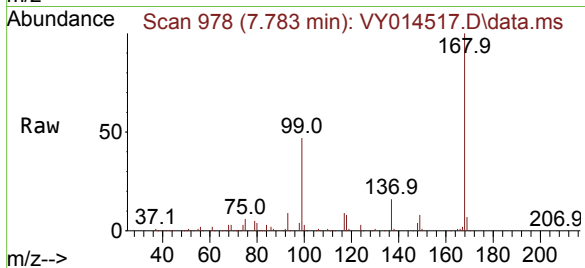




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

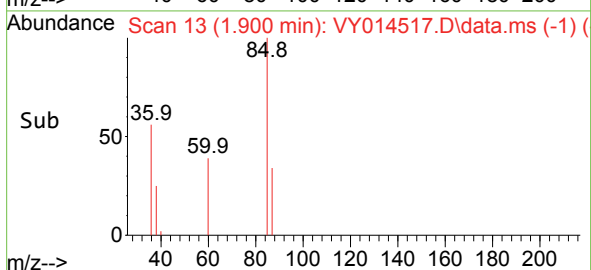
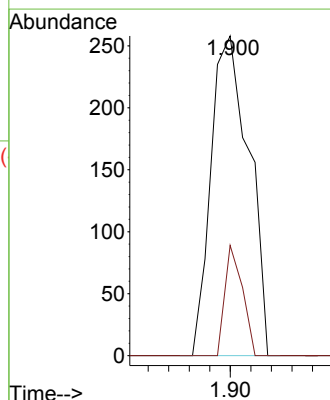
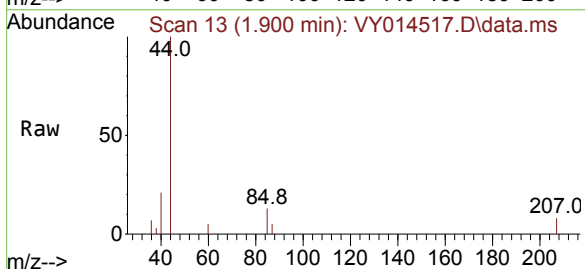
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

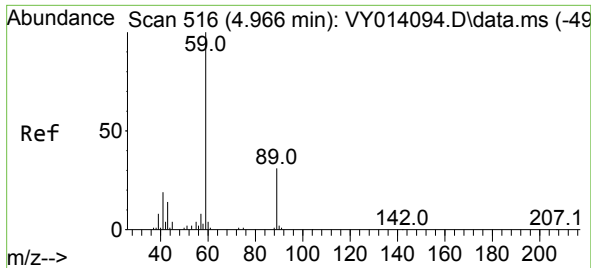
Tgt Ion:168 Resp: 296603
Ion Ratio Lower Upper
168 100
99 46.7 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

Tgt Ion: 85 Resp: 330
Ion Ratio Lower Upper
85 100
87 34.5 15.6 46.8

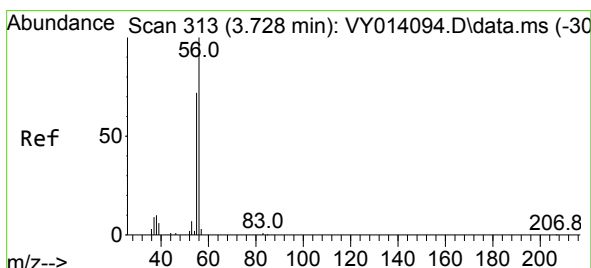
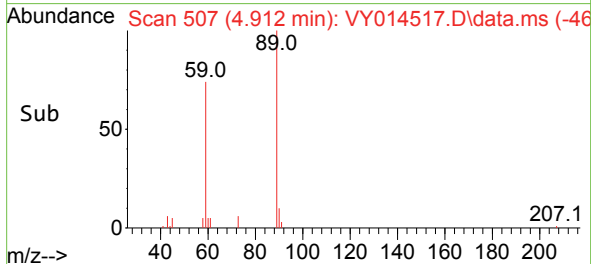
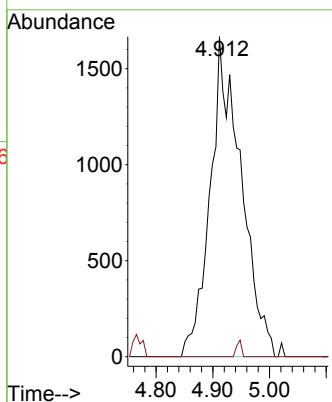
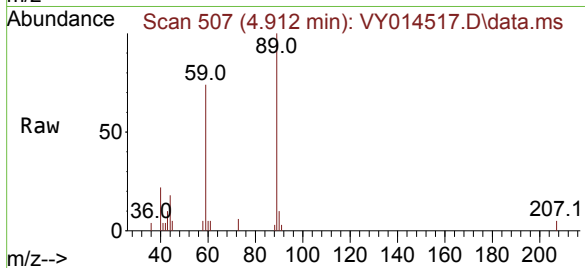




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.912 min Scan# 507
Delta R.T. -0.054 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

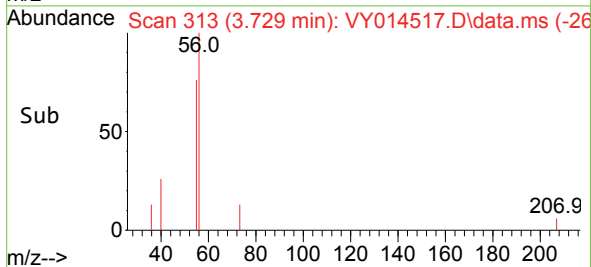
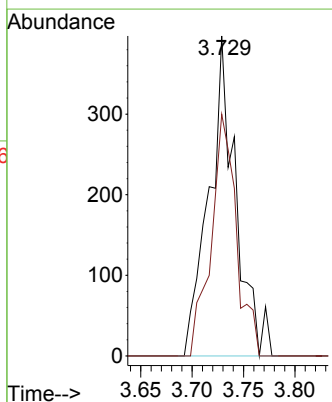
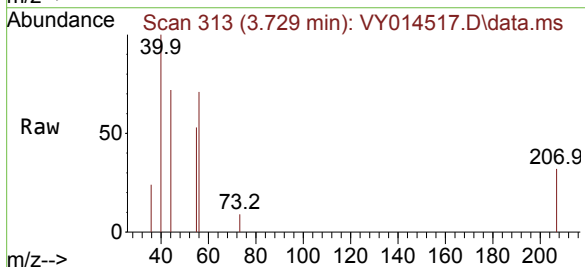
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

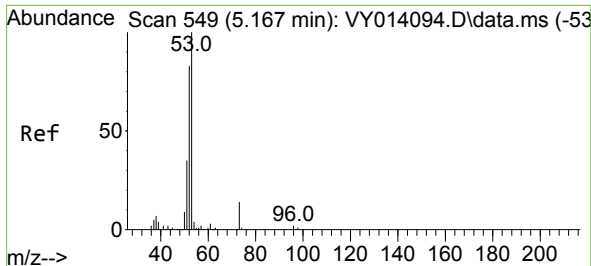
Tgt Ion: 59 Resp: 6289
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 1.347 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.001 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

Tgt Ion: 56 Resp: 718
Ion Ratio Lower Upper
56 100
55 71.0 57.0 85.4

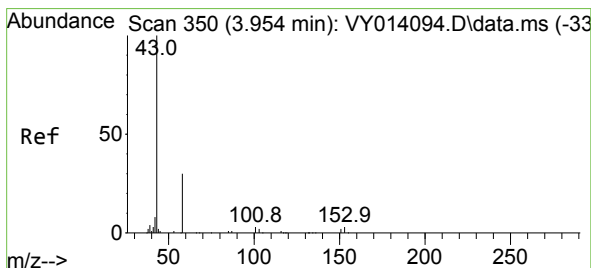
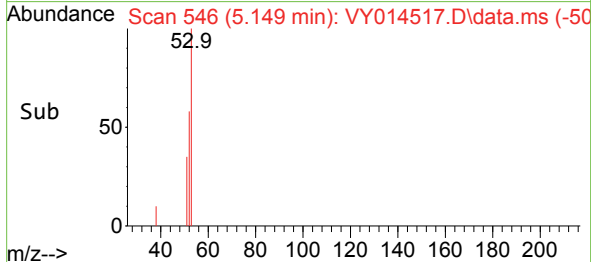
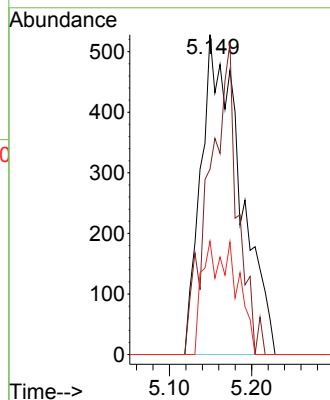
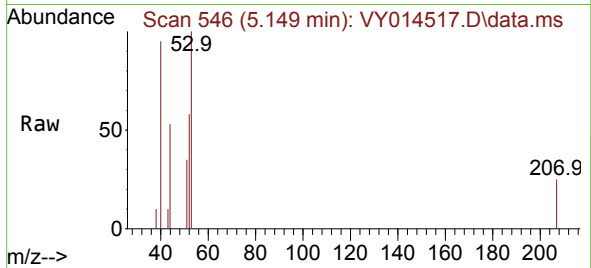




#15
Acrylonitrile
Concen: 1.673 ug/l
RT: 5.149 min Scan# 549
Delta R.T. -0.018 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

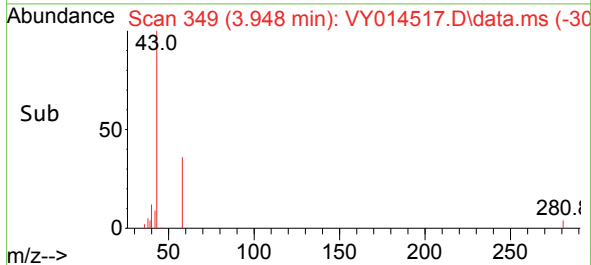
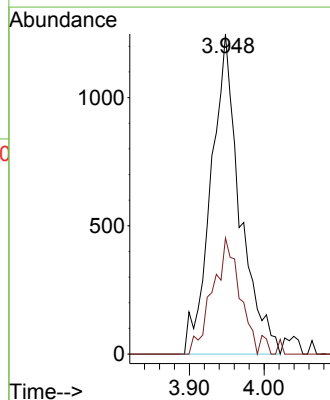
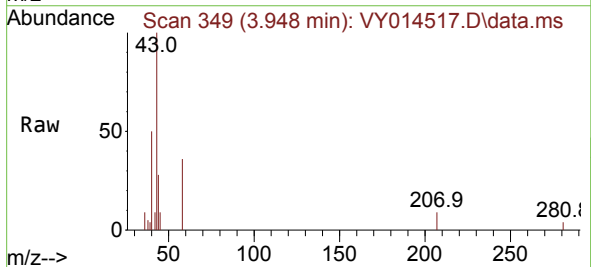
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

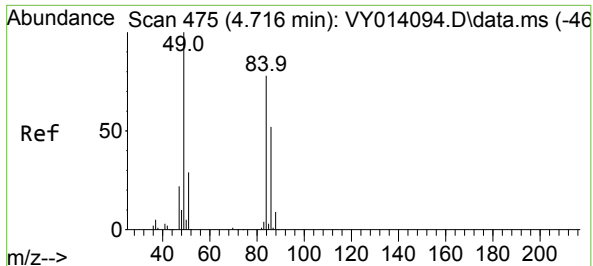
Tgt Ion: 53 Resp: 1749
Ion Ratio Lower Upper
53 100
52 0.0 66.9 100.3#
51 12.3 29.8 44.6#



#16
Acetone
Concen: 3.650 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

Tgt Ion: 43 Resp: 3363
Ion Ratio Lower Upper
43 100
58 36.3 22.7 34.1#

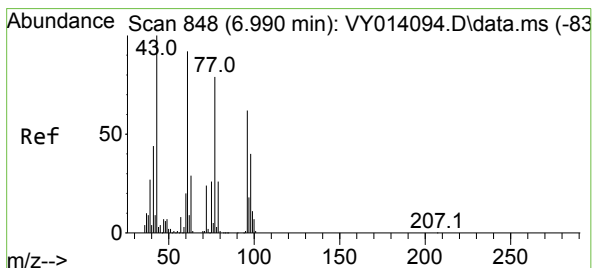
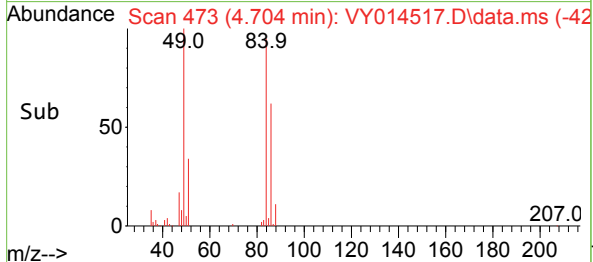
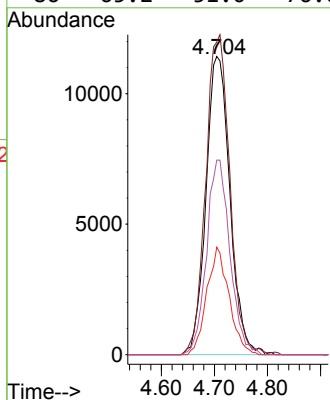
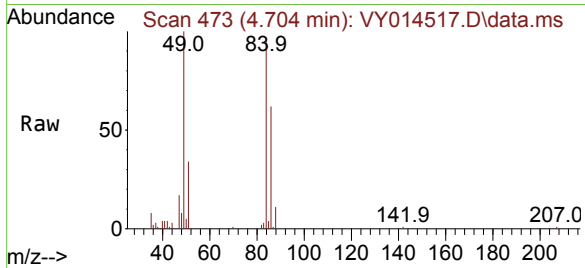




#20
Methylene Chloride
Concen: 6.263 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

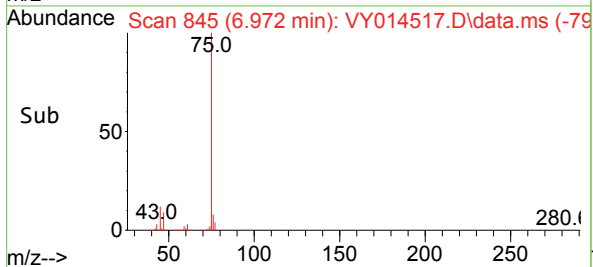
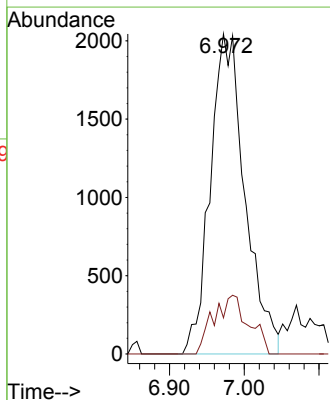
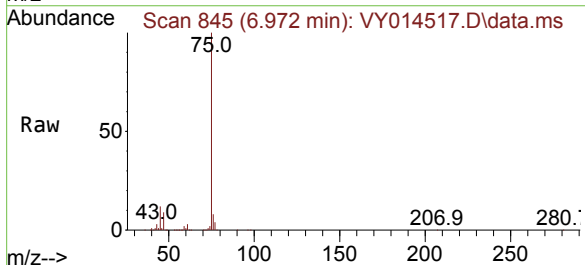
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

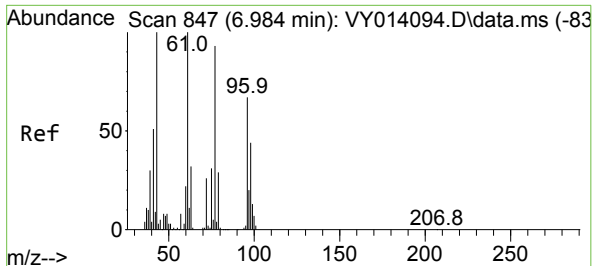
Tgt Ion: 84 Resp: 35906
Ion Ratio Lower Upper
84 100
49 104.9 106.9 160.3#
51 36.0 33.2 49.8
86 65.2 51.0 76.6



#25
2-Butanone
Concen: 4.835 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

Tgt Ion: 43 Resp: 6597
Ion Ratio Lower Upper
43 100
72 11.3 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 2.009 ug/l

RT: 6.972 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

Instrument :

MSVOA_Y

ClientSampleId :

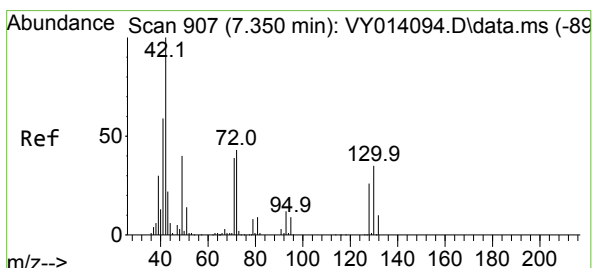
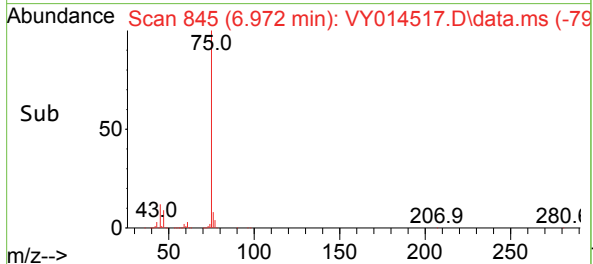
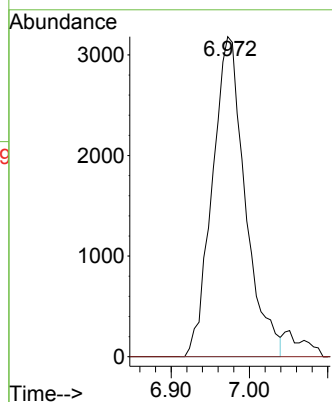
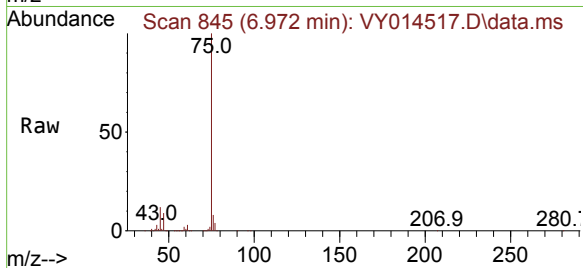
VIBLK

Tgt Ion: 77 Resp: 9290

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.057 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.012 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

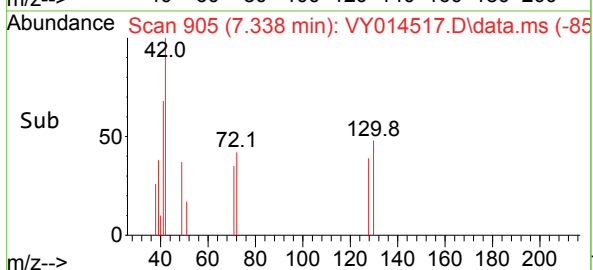
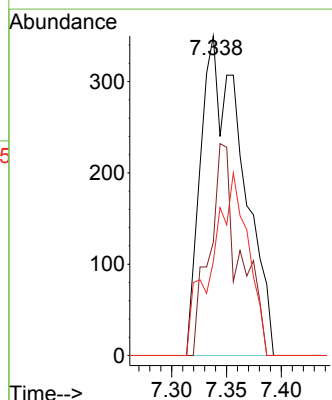
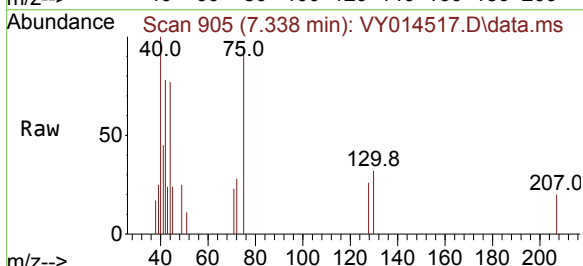
Tgt Ion: 42 Resp: 930

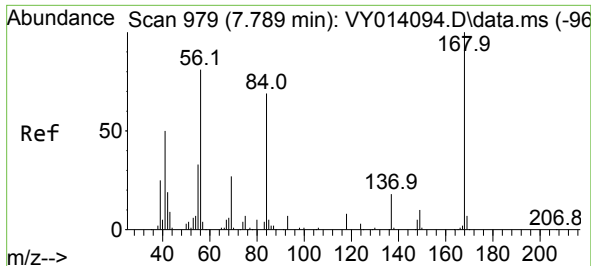
Ion Ratio Lower Upper

42 100

72 48.1 32.8 49.2

71 50.0 31.0 46.4#

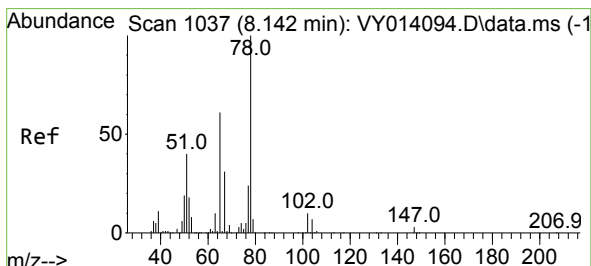
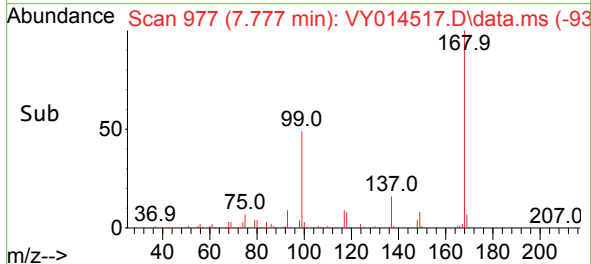
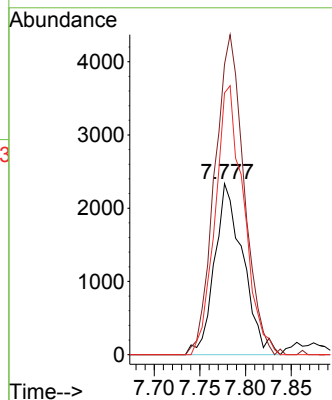
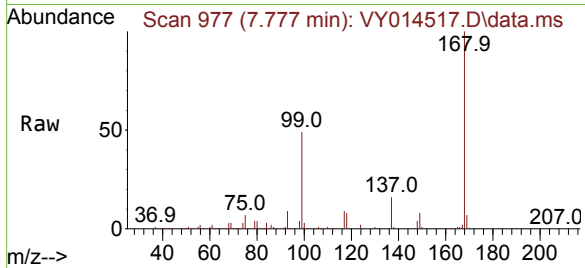




#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

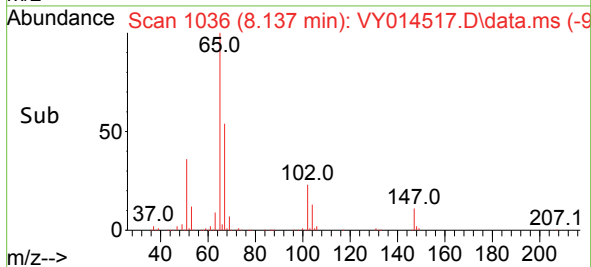
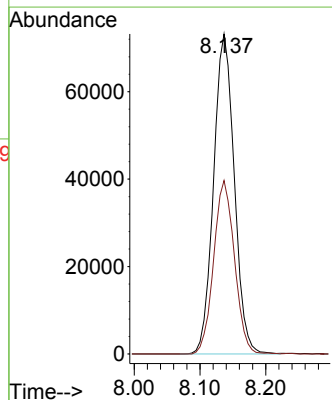
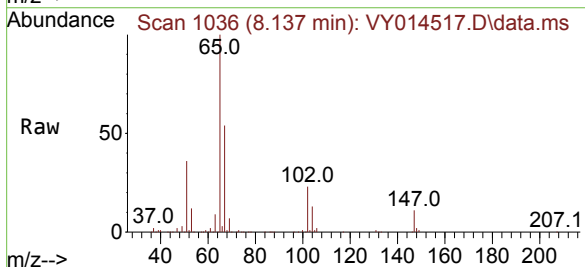
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

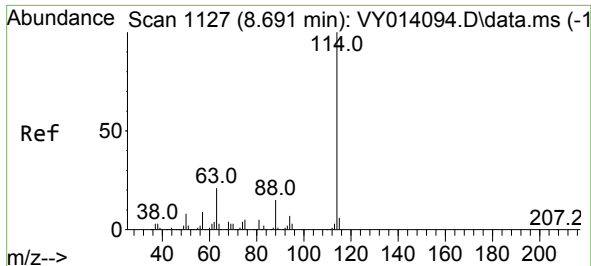
Tgt Ion: 56 Resp: 5081
Ion Ratio Lower Upper
56 100
69 169.8 27.8 41.6#
84 153.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.309 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

Tgt Ion: 65 Resp: 160241
Ion Ratio Lower Upper
65 100
67 54.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

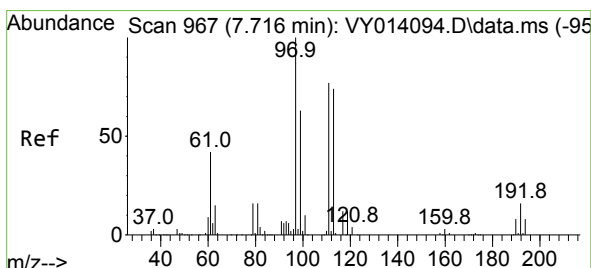
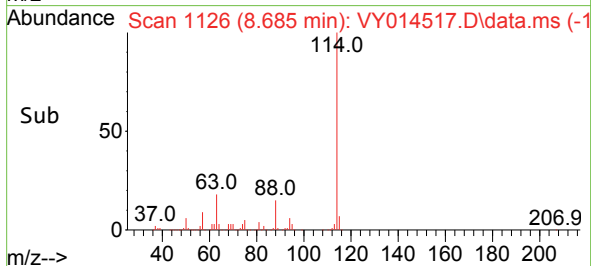
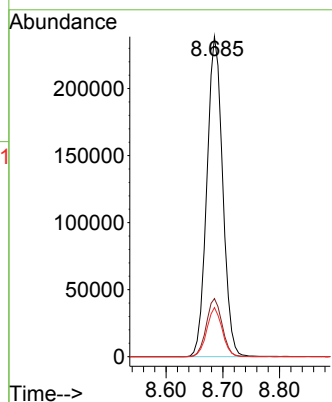
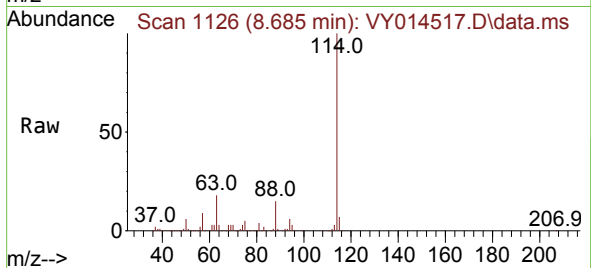
Tgt Ion:114 Resp: 462236

Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.077 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

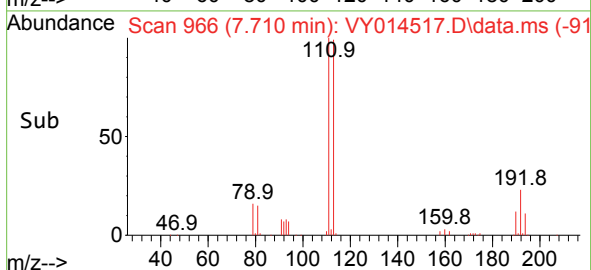
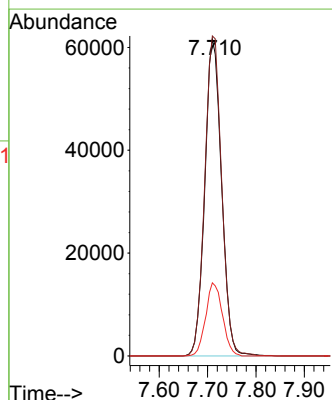
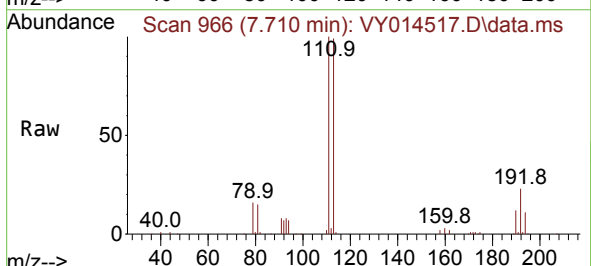
Tgt Ion:113 Resp: 148237

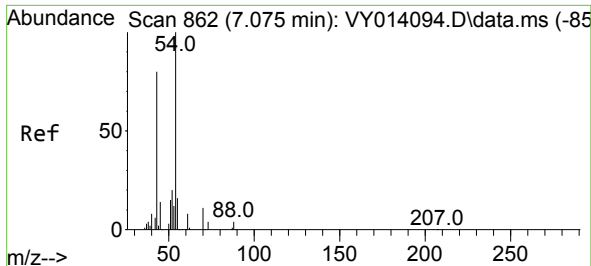
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 23.2 16.9 25.3





#37

Ethyl Acetate

Concen: 2.207 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

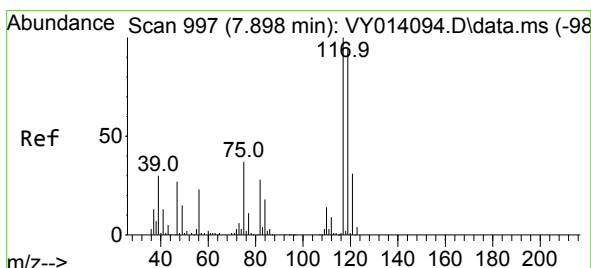
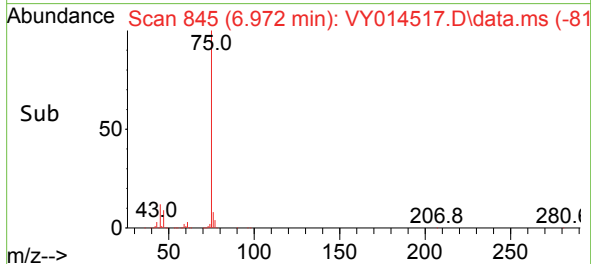
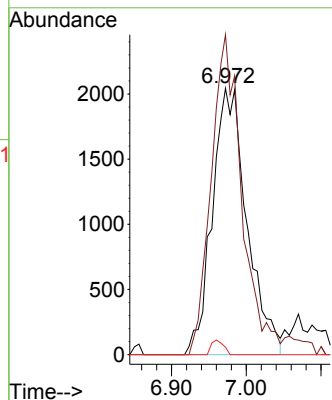
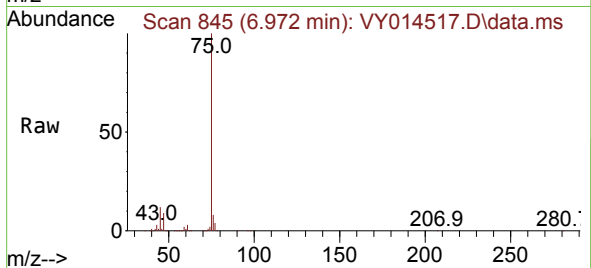
Tgt Ion: 43 Resp: 6597

Ion Ratio Lower Upper

43 100

61 105.9 10.1 15.1#

70 1.9 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.686 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

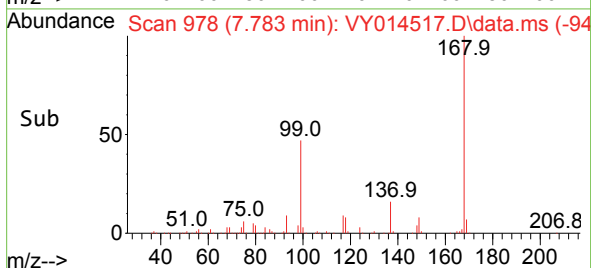
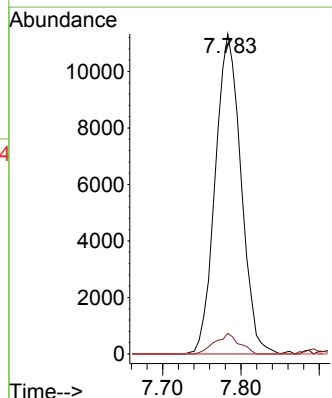
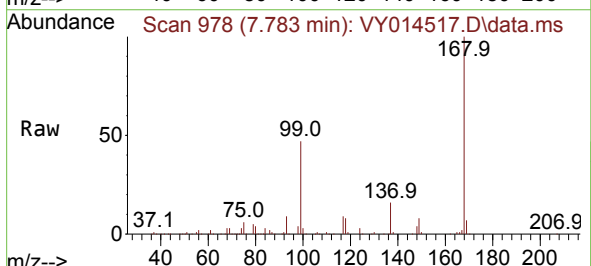
Tgt Ion: 117 Resp: 25874

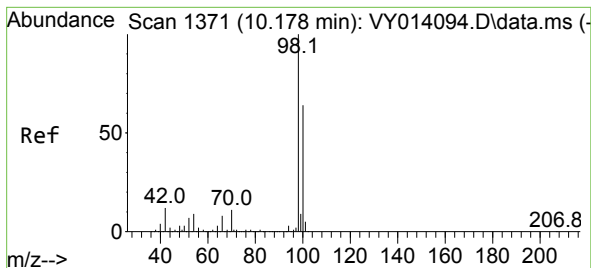
Ion Ratio Lower Upper

117 100

119 6.5 76.4 114.6#

121 0.0 25.8 38.6#

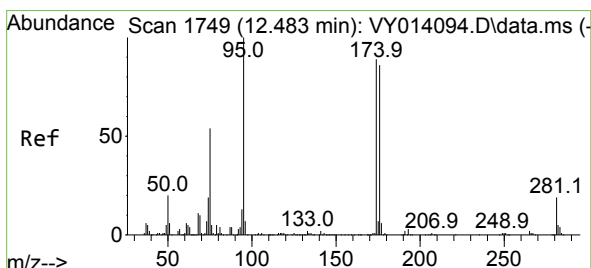
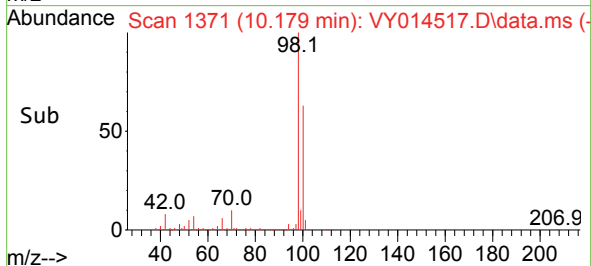
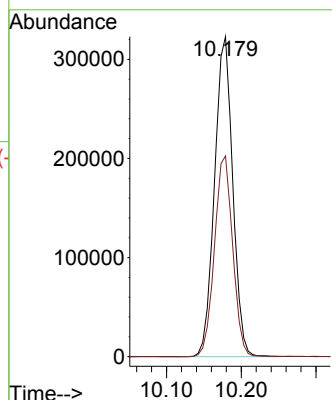
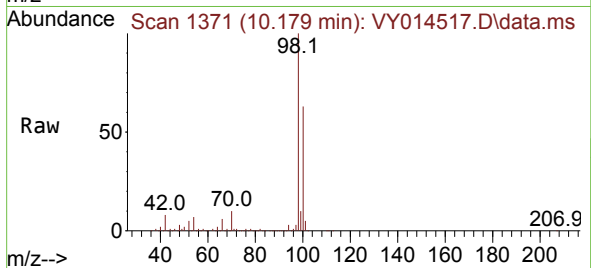




#50
Toluene-d8
Concen: 48.472 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

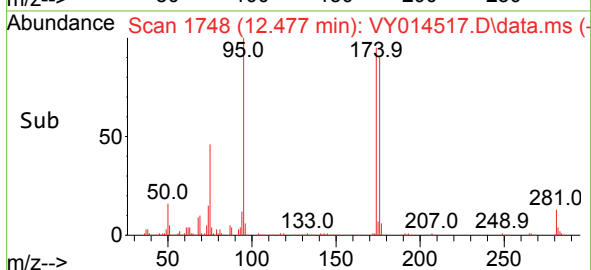
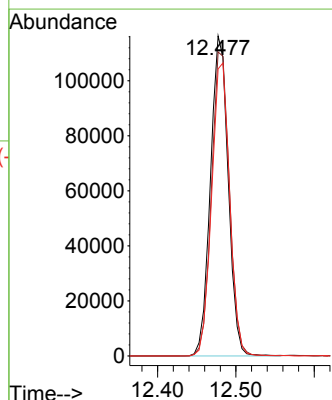
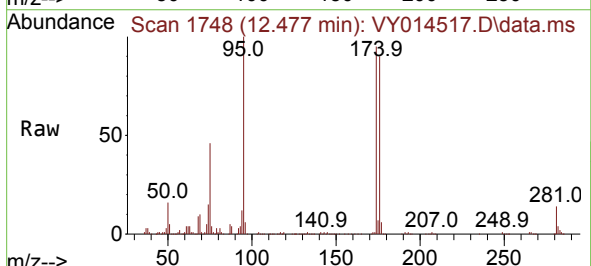
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

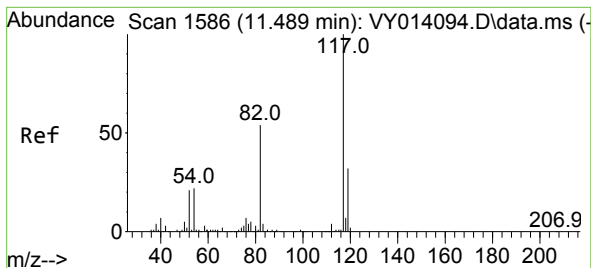
Tgt Ion: 98 Resp: 545433
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.813 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014517.D
Acq: 30 Jun 2023 15:14

Tgt Ion: 95 Resp: 182914
Ion Ratio Lower Upper
95 100
174 96.5 0.0 178.2
176 92.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

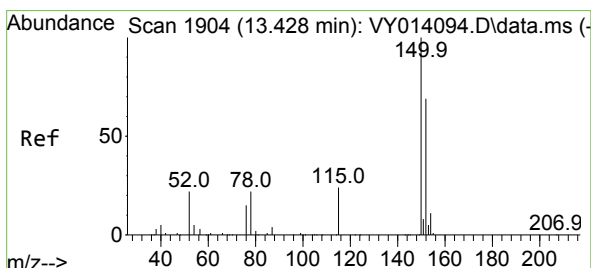
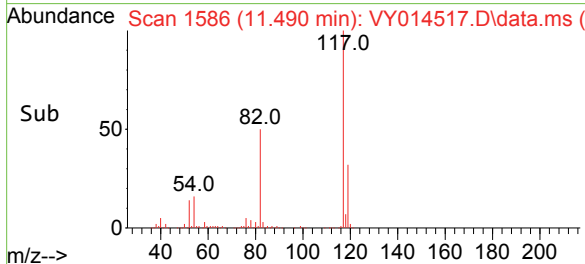
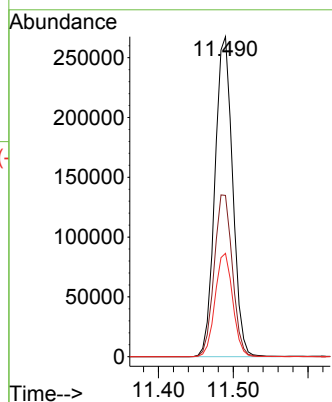
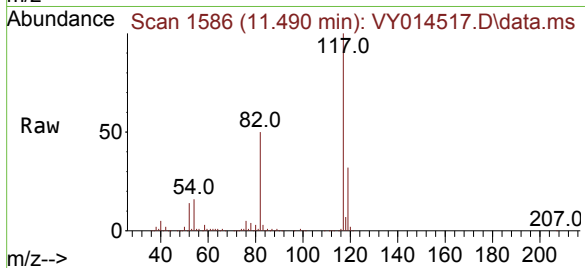
Tgt Ion:117 Resp: 440548

Ion Ratio Lower Upper

117 100

82 50.4 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

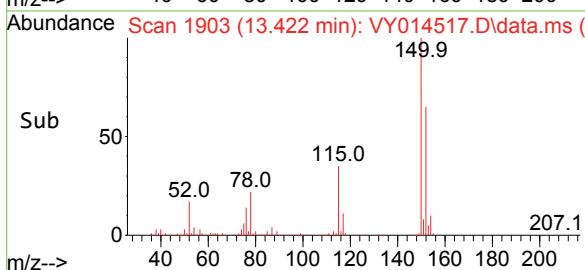
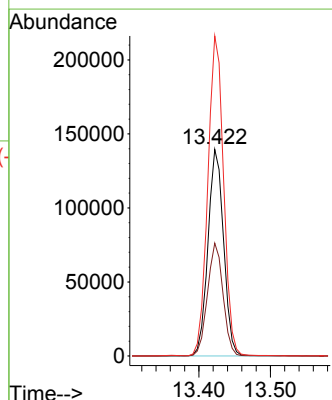
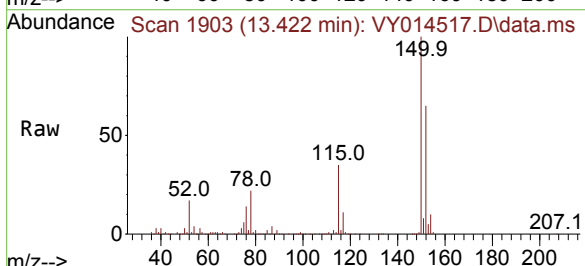
Tgt Ion:152 Resp: 211778

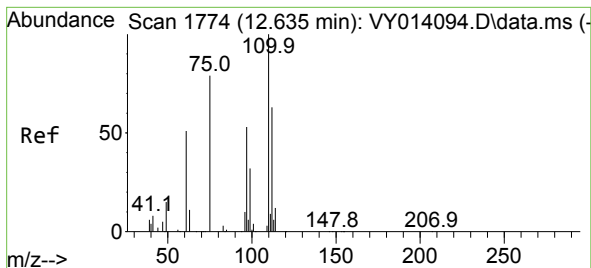
Ion Ratio Lower Upper

152 100

115 54.4 28.8 86.5

150 156.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 34.512 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

Instrument :

MSVOA_Y

ClientSampleId :

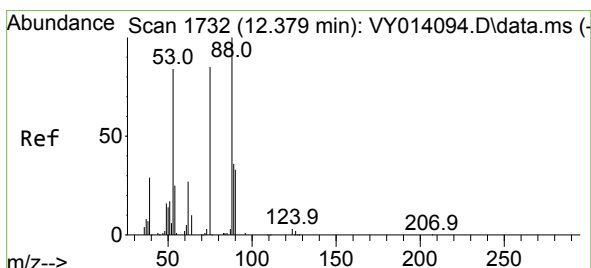
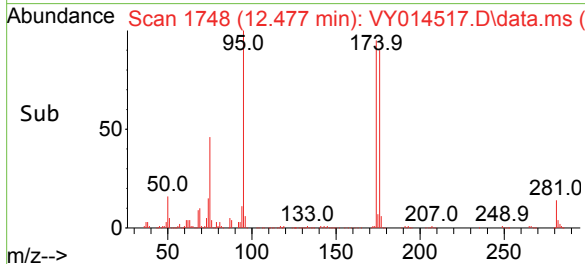
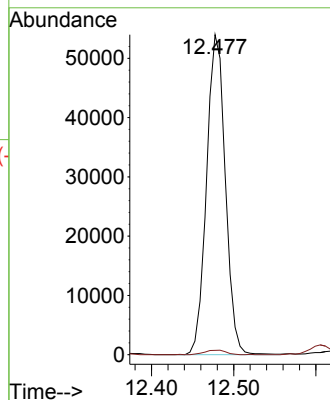
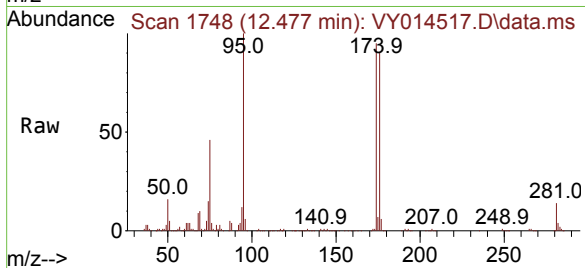
VIBLK

Tgt Ion: 75 Resp: 85767

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.175 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

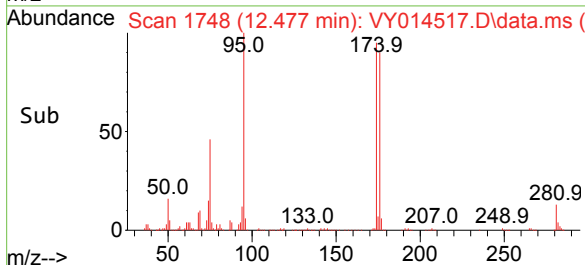
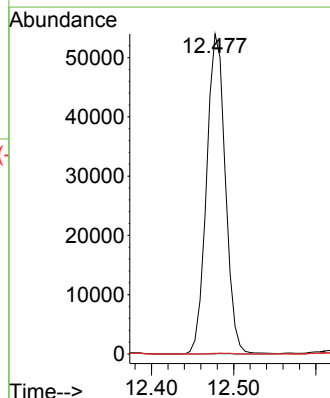
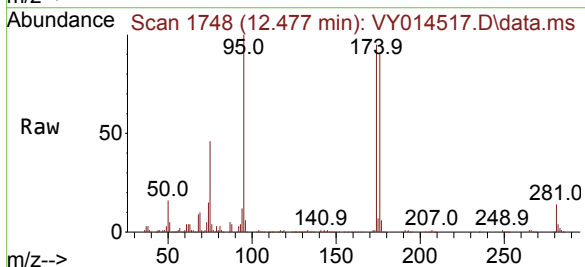
Tgt Ion: 75 Resp: 85767

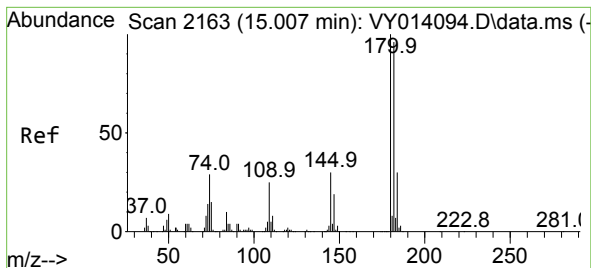
Ion Ratio Lower Upper

75 100

53 0.2 77.8 116.8#

89 0.2 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.551 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

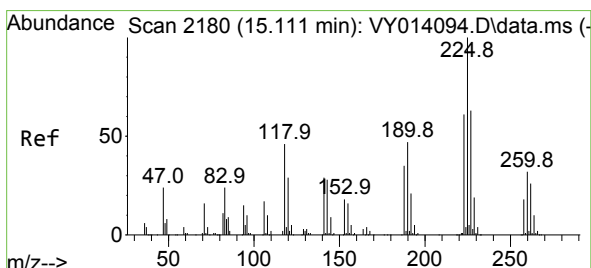
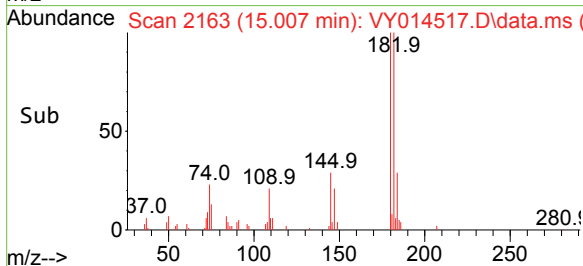
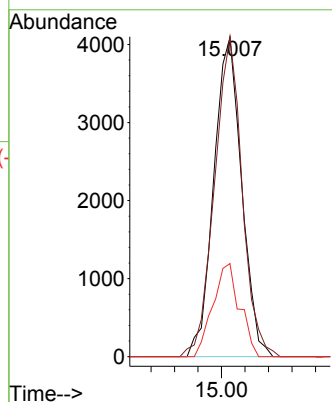
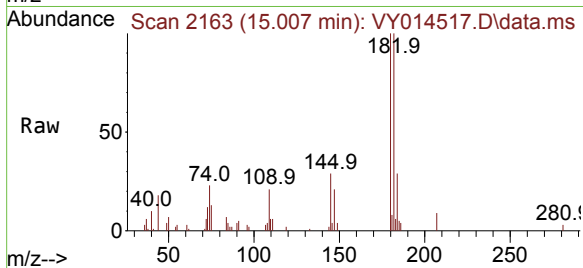
Tgt Ion:180 Resp: 6720

Ion Ratio Lower Upper

180 100

182 99.6 47.0 141.2

145 28.1 14.5 43.5



#94

Hexachlorobutadiene

Concen: 1.058 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

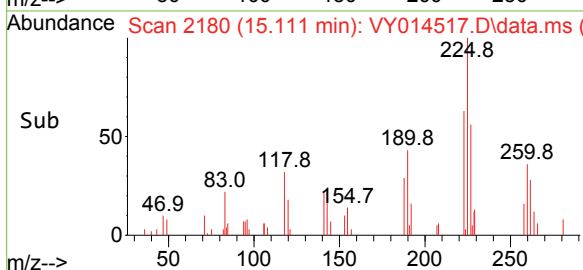
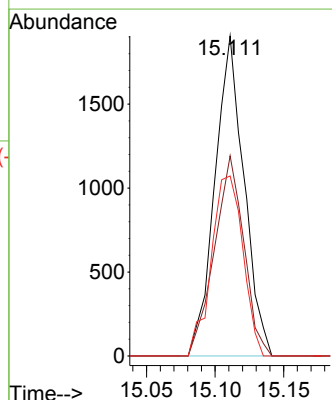
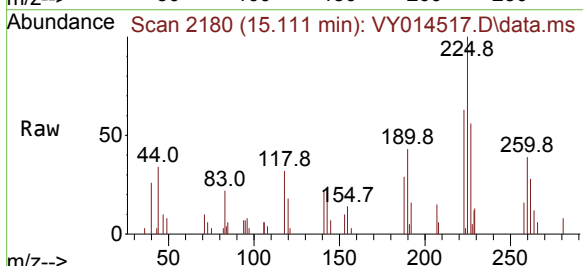
Tgt Ion:225 Resp: 2817

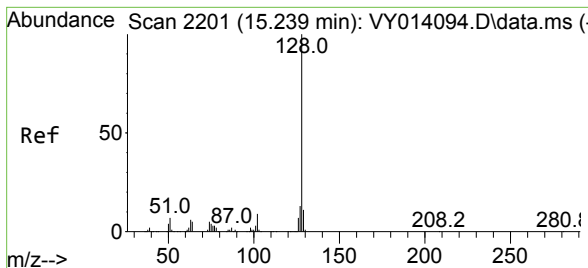
Ion Ratio Lower Upper

225 100

223 63.1 31.9 95.9

227 61.0 33.0 98.9





#95

Naphthalene

Concen: 2.025 ug/l

RT: 15.233 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

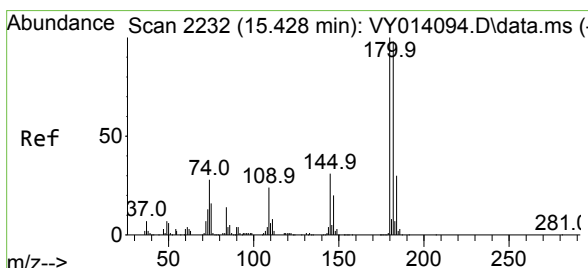
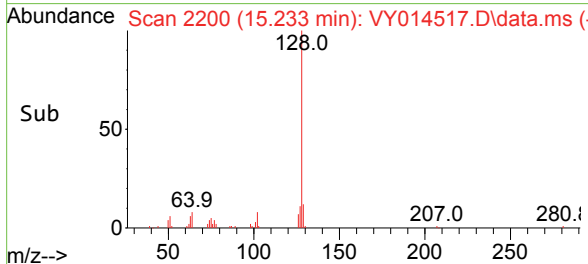
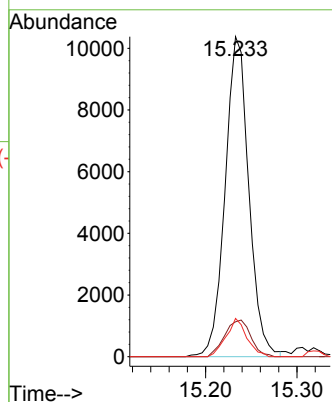
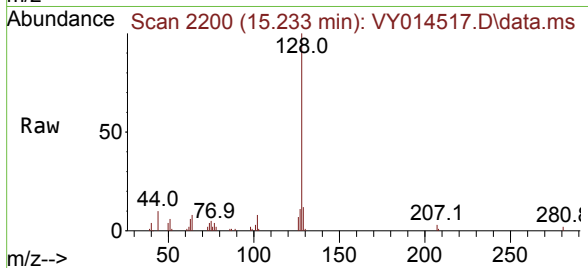
Tgt Ion:128 Resp: 18674

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

129 10.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.807 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY014517.D

Acq: 30 Jun 2023 15:14

Tgt Ion:180 Resp: 7135

Ion Ratio Lower Upper

180 100

182 98.3 47.3 141.8

145 27.8 15.4 46.2

