

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012424\
 Data File : VY017091.D
 Acq On : 24 Jan 2024 13:04
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 25 04:24:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:13:31 2024
 Response via : Initial Calibration

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

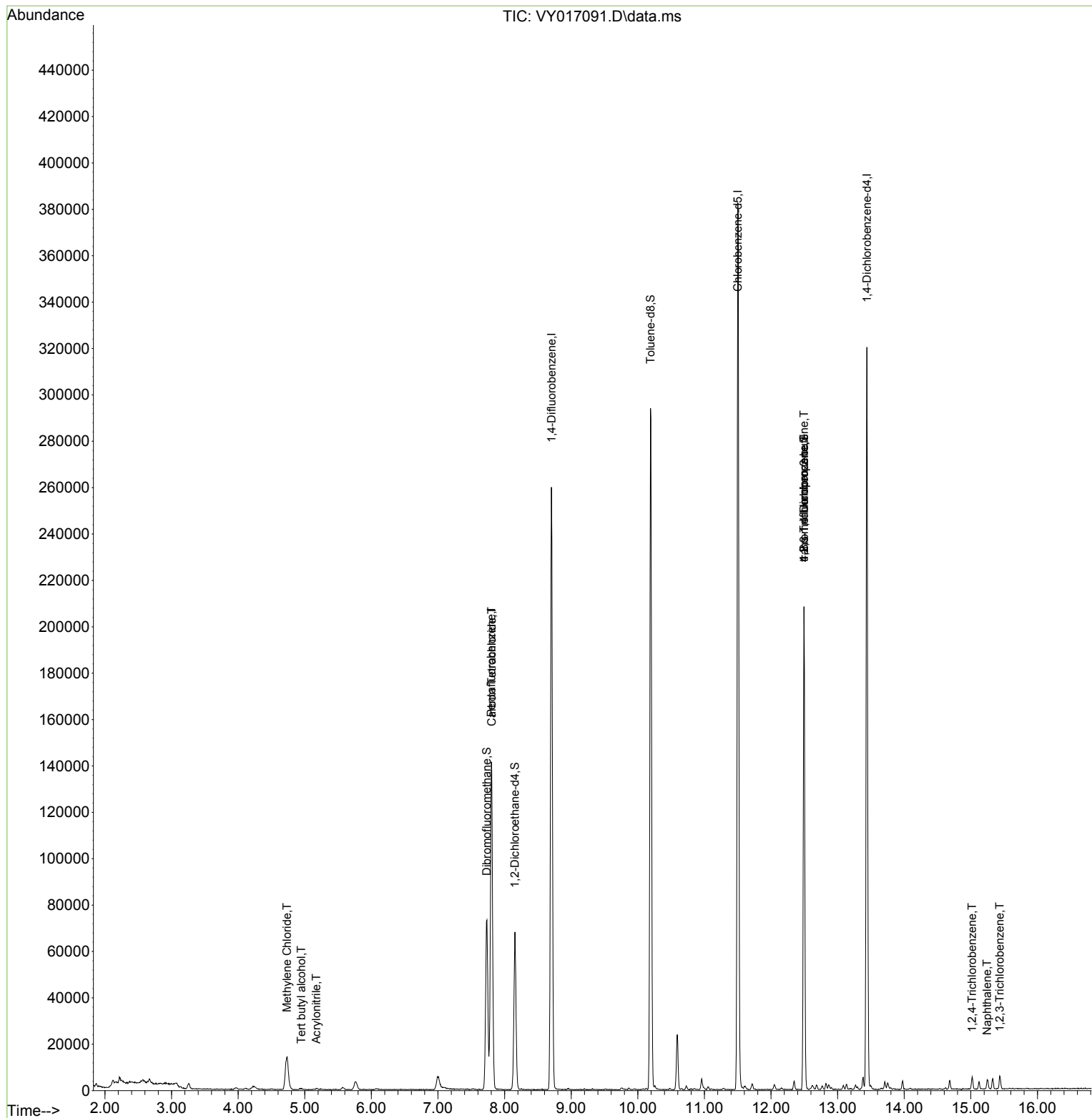
Internal Standards						
1) Pentafluorobenzene	7.801	168	108962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	224140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	211939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	80731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	49018	46.173	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.340%
35) Dibromofluoromethane	7.734	113	52357	38.703	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.400%
50) Toluene-d8	10.191	98	195674	38.296	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.600%
62) 4-Bromofluorobenzene	12.495	95	63873	40.580	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	280	Below Cal		95
3) Chloromethane	2.113	50	581	Below Cal	#	86
4) Vinyl Chloride	2.253	62	262	Below Cal	#	43
5) Bromomethane	2.668	94	1036	Below Cal		83
6) Chloroethane	2.808	64	50	Below Cal	#	43
7) Trichlorofluoromethane	3.143	101	560	Below Cal	#	77
11) Tert butyl alcohol	4.948	59	297	3.617 ug/l	#	75
15) Acrylonitrile	5.173	53	454	1.666 ug/l	#	90
16) Acetone	3.954	43	1476	Below Cal	#	69
20) Methylene Chloride	4.734	84	11247	3.932 ug/l		95
25) 2-Butanone	6.996	43	615	Below Cal	#	48
31) Cyclohexane	7.795	56	2427	Below Cal	#	2
38) Carbon Tetrachloride	7.807	117	11173	5.123 ug/l	#	15
76) 1,2,3-Trichloropropane	12.495	75	32862	21.533 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.495	75	32862	86.820 ug/l	#	12
93) 1,2,4-Trichlorobenzene	15.019	180	1610	1.272 ug/l		88
95) Naphthalene	15.245	128	3984	1.783 ug/l		98
96) 1,2,3-Trichlorobenzene	15.434	180	1928	1.832 ug/l		94

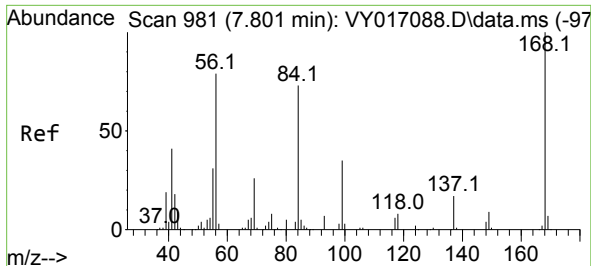
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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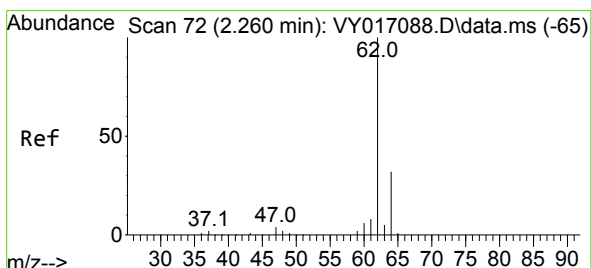
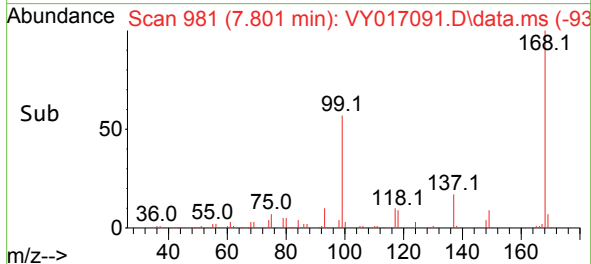
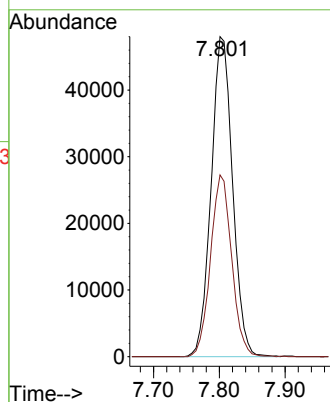
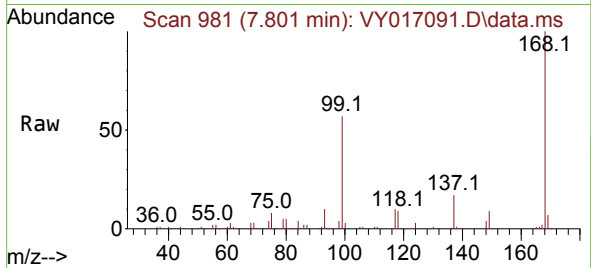




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017091.D
Acq: 24 Jan 2024 13:04

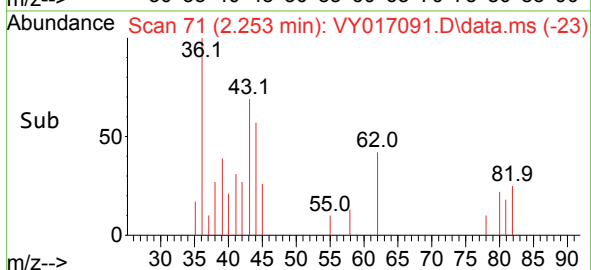
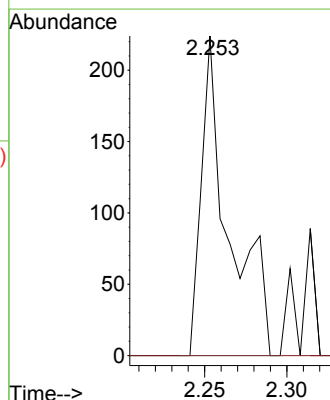
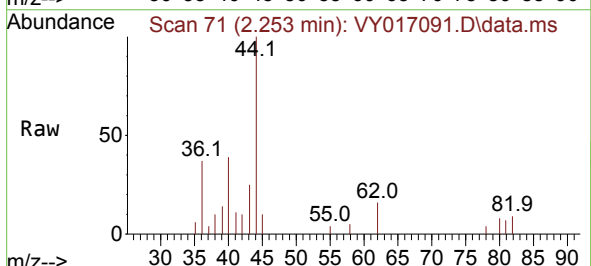
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

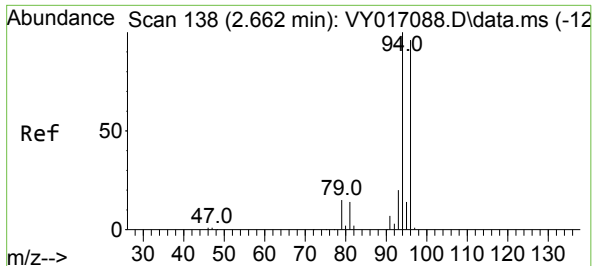
Tgt Ion:168 Resp: 108962
Ion Ratio Lower Upper
168 100
99 56.8 44.2 66.4



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY017091.D
Acq: 24 Jan 2024 13:04

Tgt Ion: 62 Resp: 262
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 138

Delta R.T. 0.006 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

Instrument :

MSVOA_Y

ClientSampleId :

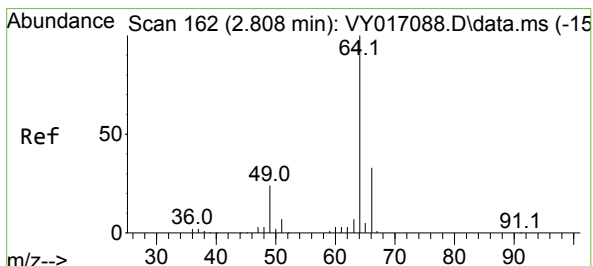
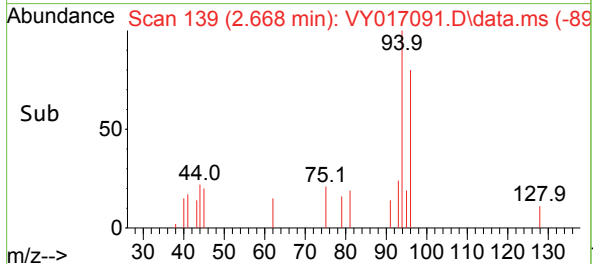
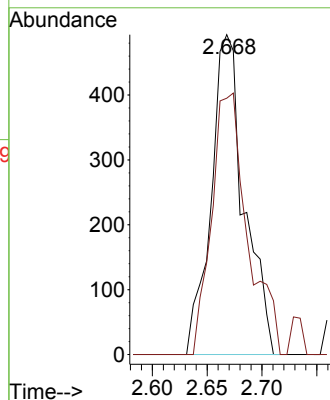
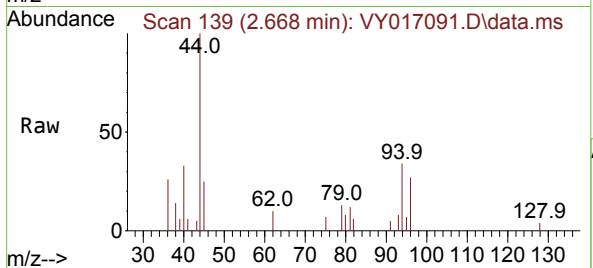
VIBLK

Tgt Ion: 94 Resp: 1036

Ion Ratio Lower Upper

94 100

96 80.1 77.3 115.9



#6

Chloroethane

Concen: Below Cal

RT: 2.808 min Scan# 162

Delta R.T. 0.000 min

Lab File: VY017091.D

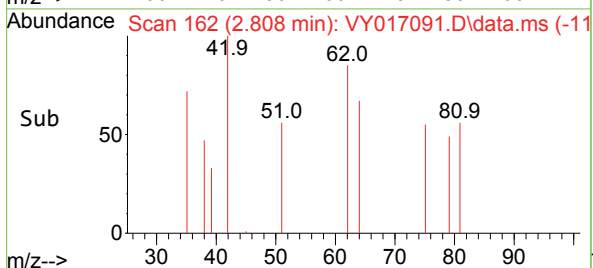
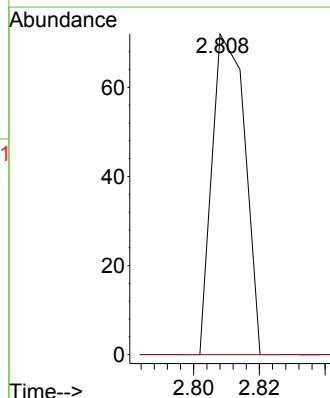
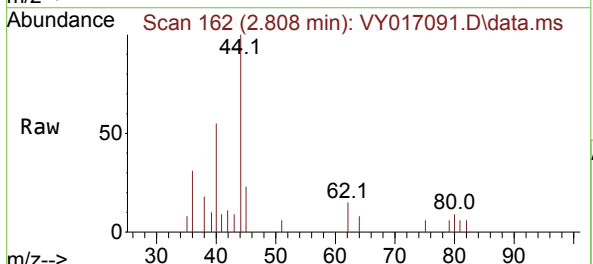
Acq: 24 Jan 2024 13:04

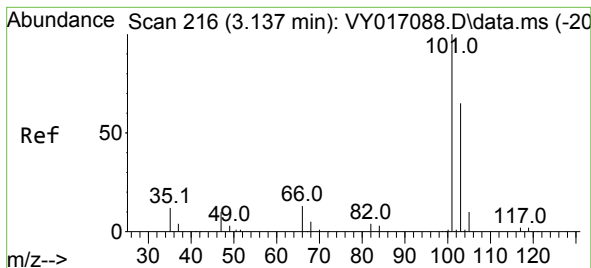
Tgt Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.143 min Scan# 216

Delta R.T. 0.006 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

Instrument :

MSVOA_Y

ClientSampleId :

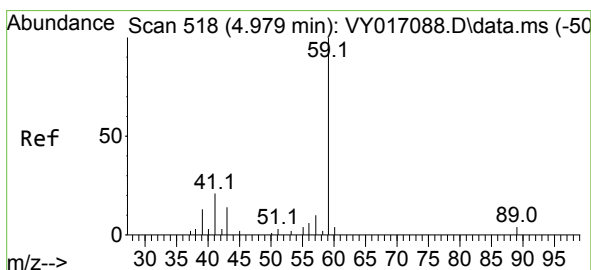
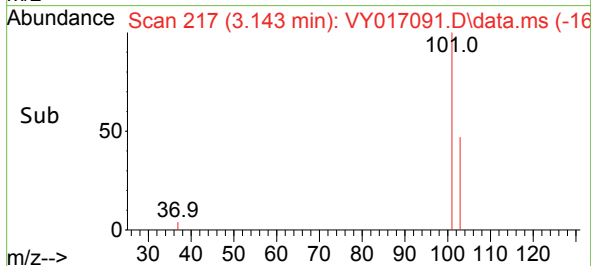
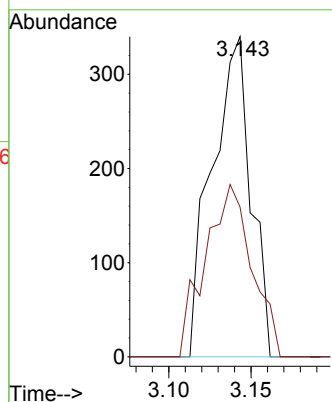
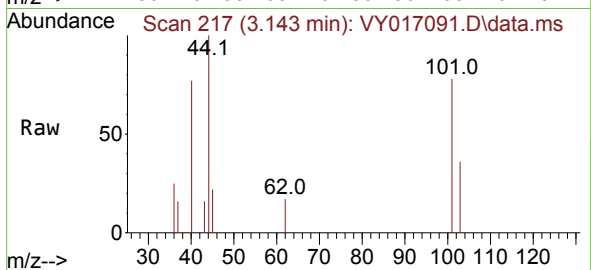
VIBLK

Tgt Ion:101 Resp: 560

Ion Ratio Lower Upper

101 100

103 46.8 51.9 77.9#



#11

Tert butyl alcohol

Concen: 3.617 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY017091.D

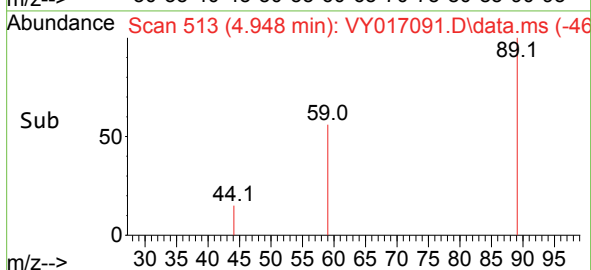
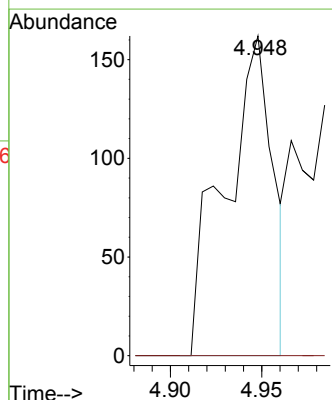
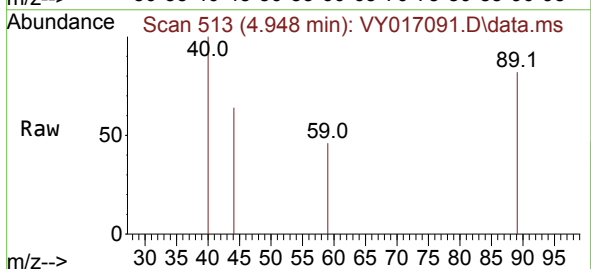
Acq: 24 Jan 2024 13:04

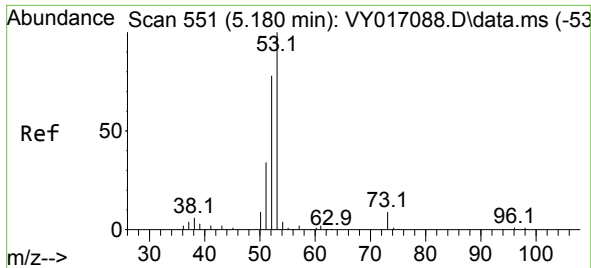
Tgt Ion: 59 Resp: 297

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#

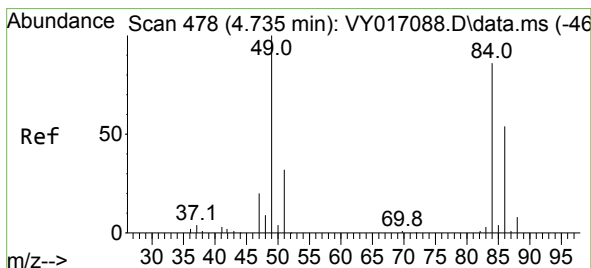
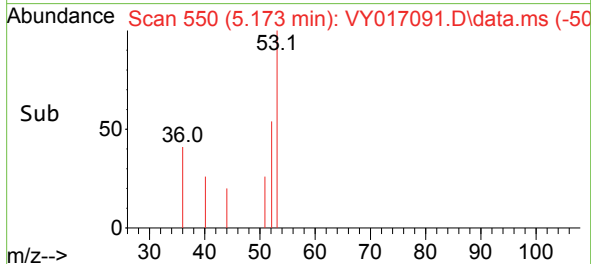
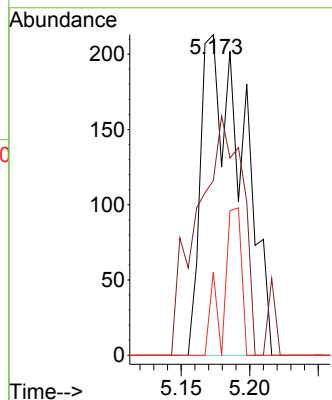
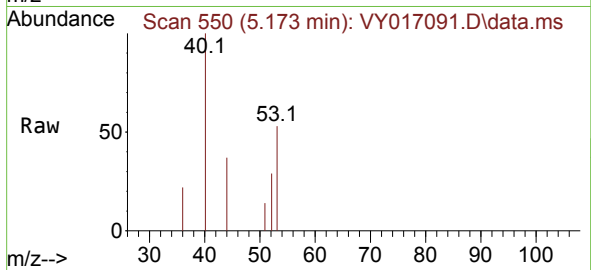




#15
Acrylonitrile
Concen: 1.666 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY017091.D
Acq: 24 Jan 2024 13:04

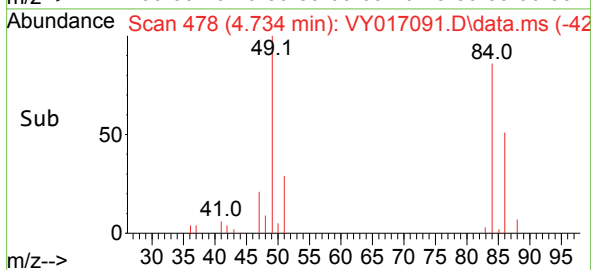
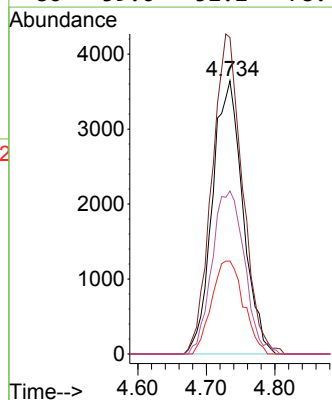
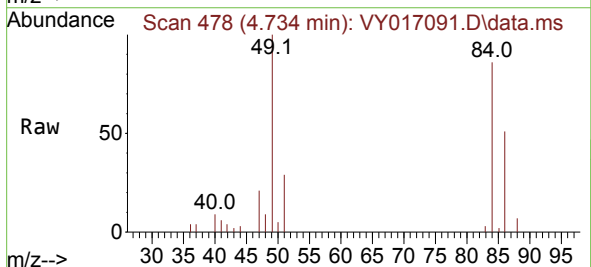
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

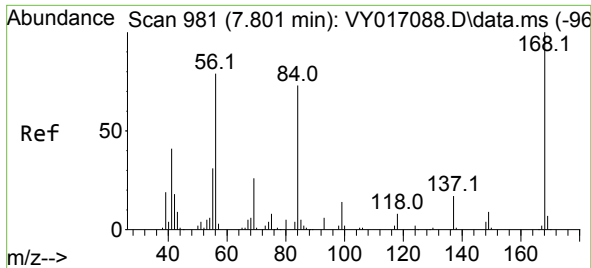
Tgt Ion: 53	Resp: 454
Ion Ratio	Lower Upper
53	100
52	79.5 65.1 97.7
51	20.0 29.0 43.4#



#20
Methylene Chloride
Concen: 3.932 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY017091.D
Acq: 24 Jan 2024 13:04

Tgt Ion: 84	Resp: 11247
Ion Ratio	Lower Upper
84	100
49	115.9 95.2 142.8
51	34.1 29.9 44.9
86	59.6 52.2 78.4

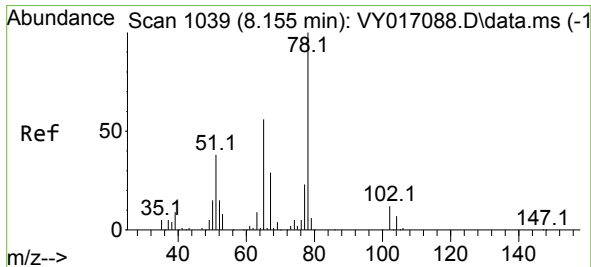
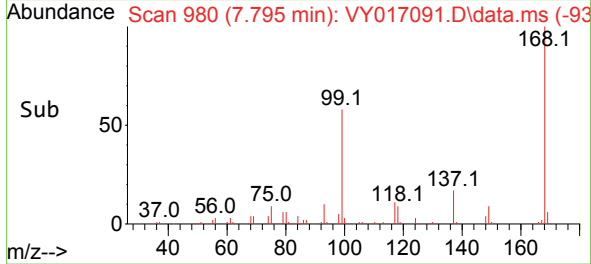
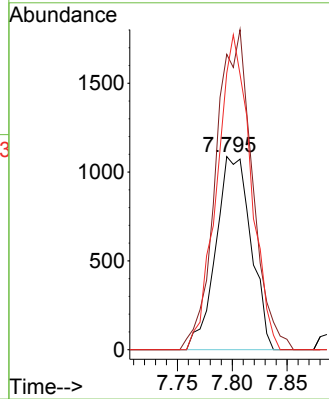
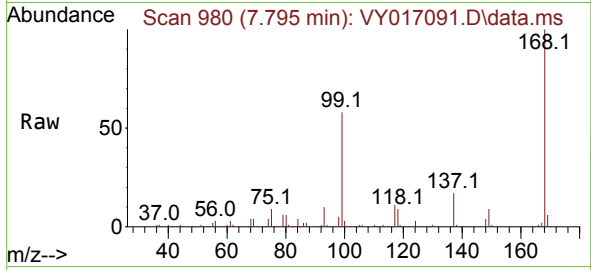




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017091.D
Acq: 24 Jan 2024 13:04

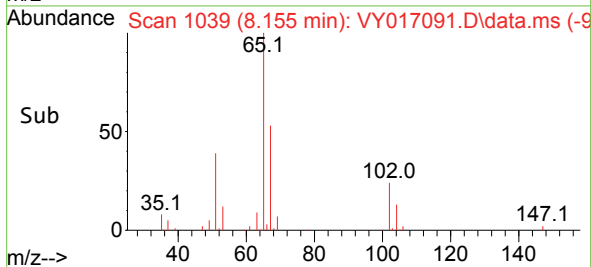
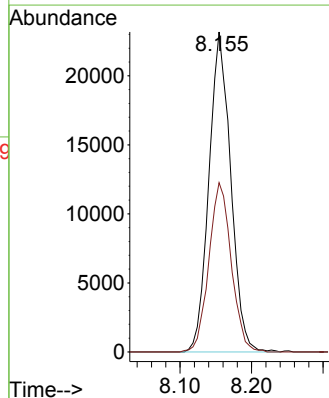
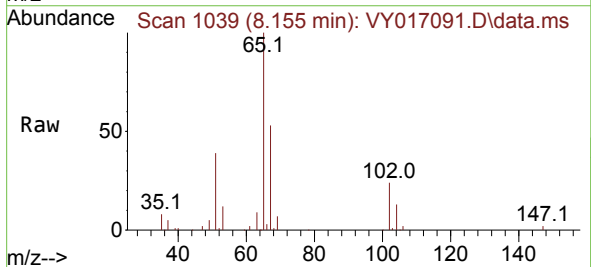
Instrument :
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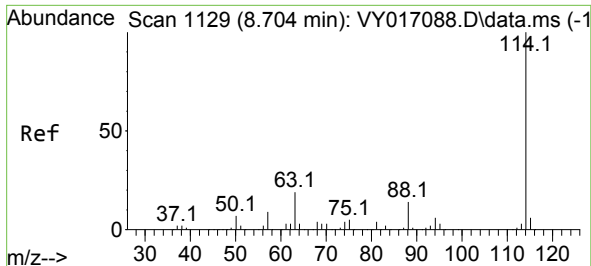
Tgt Ion: 56 Resp: 2427
Ion Ratio Lower Upper
56 100
69 152.8 27.0 40.6#
84 143.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 46.173 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY017091.D
Acq: 24 Jan 2024 13:04

Tgt Ion: 65 Resp: 49018
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

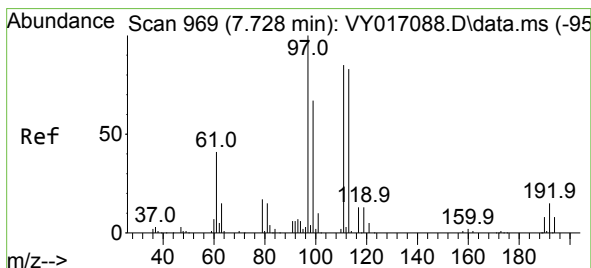
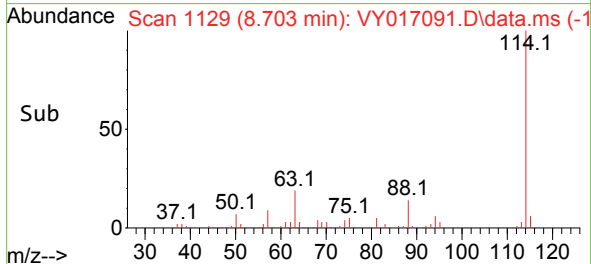
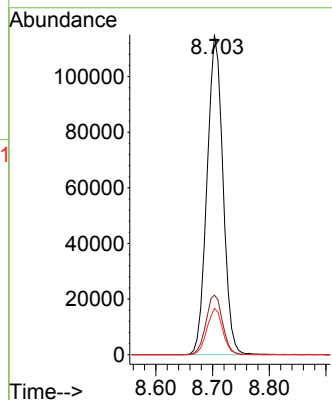
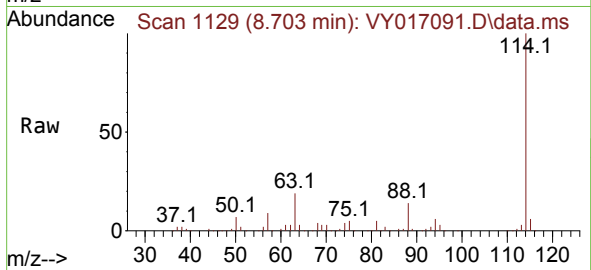
Tgt Ion:114 Resp: 224140

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 38.703 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

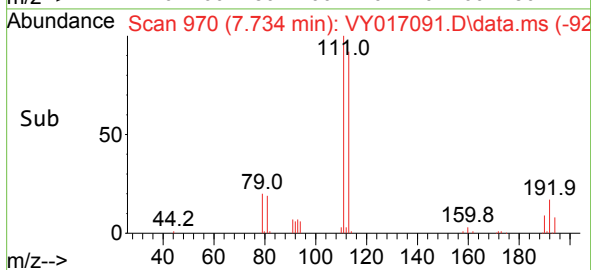
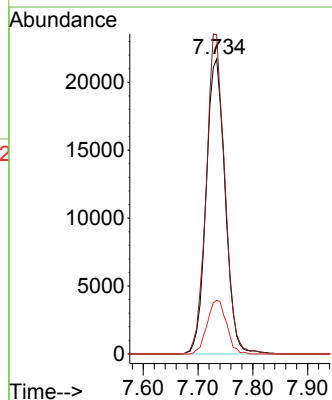
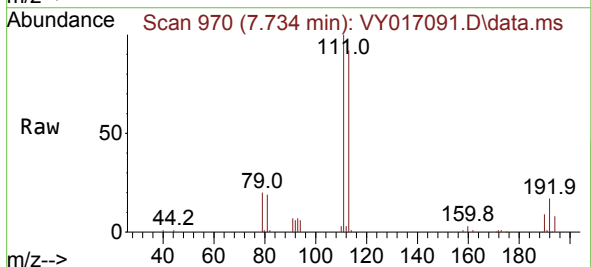
Tgt Ion:113 Resp: 52357

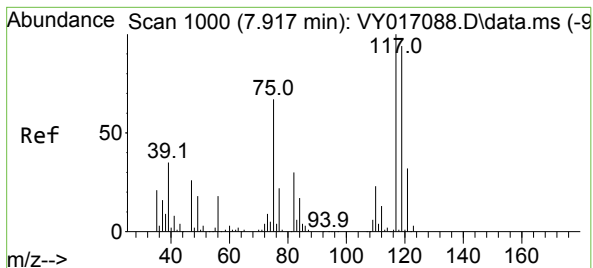
Ion Ratio Lower Upper

113 100

111 105.7 83.8 125.6

192 18.5 14.5 21.7





#38

Carbon Tetrachloride

Concen: 5.123 ug/l

RT: 7.807 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

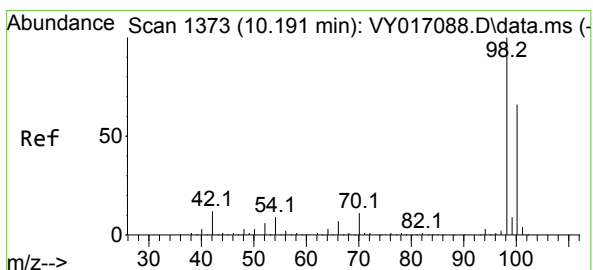
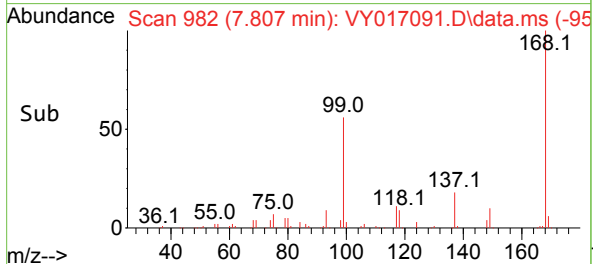
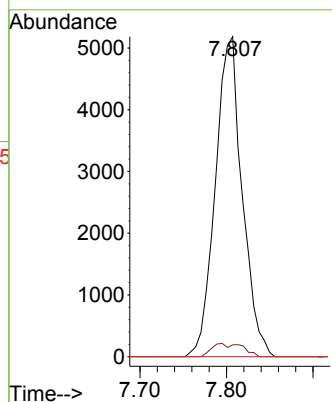
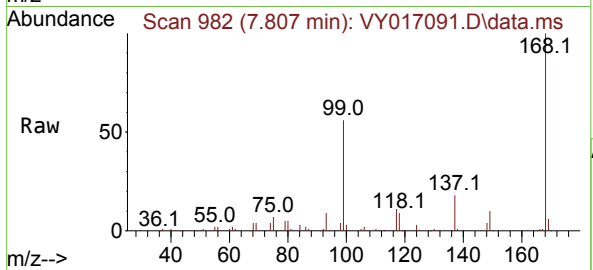
Tgt Ion:117 Resp: 11173

Ion Ratio Lower Upper

117 100

119 3.7 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 38.296 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY017091.D

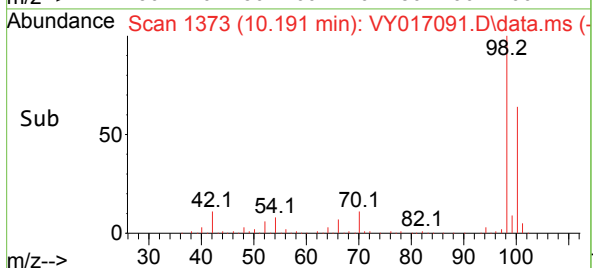
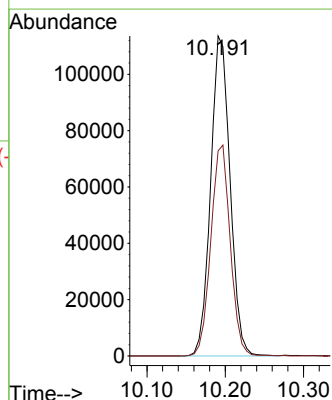
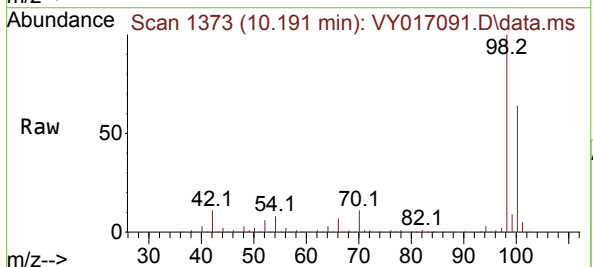
Acq: 24 Jan 2024 13:04

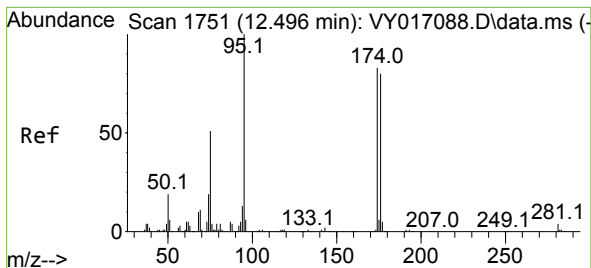
Tgt Ion: 98 Resp: 195674

Ion Ratio Lower Upper

98 100

100 65.8 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 40.580 ug/l

RT: 12.495 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

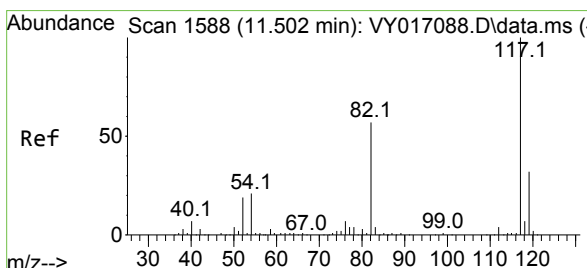
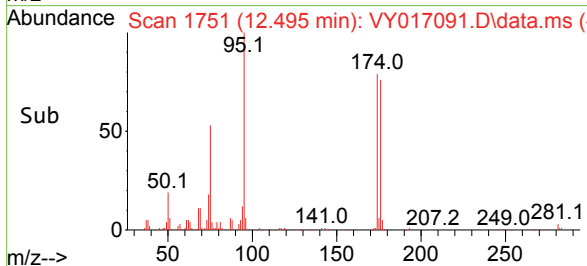
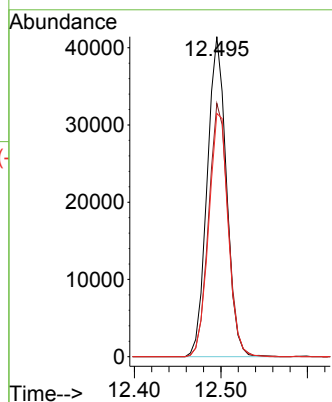
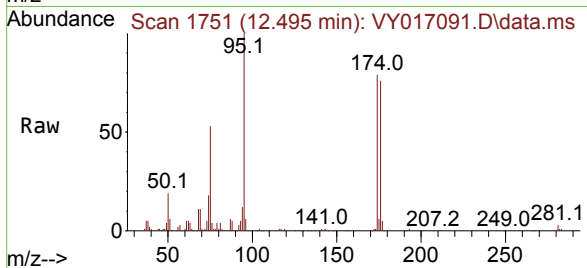
Tgt Ion: 95 Resp: 63873

Ion Ratio Lower Upper

95 100

174 80.2 0.0 160.0

176 77.3 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. -0.000 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

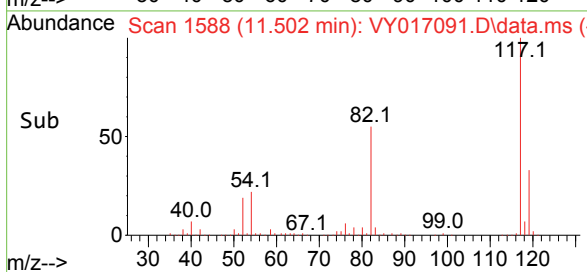
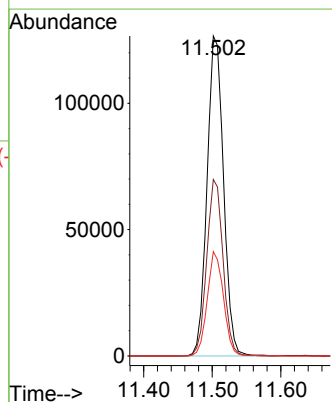
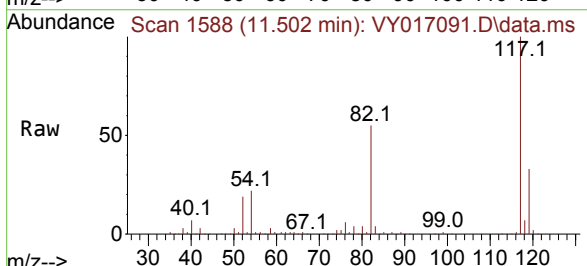
Tgt Ion: 117 Resp: 211939

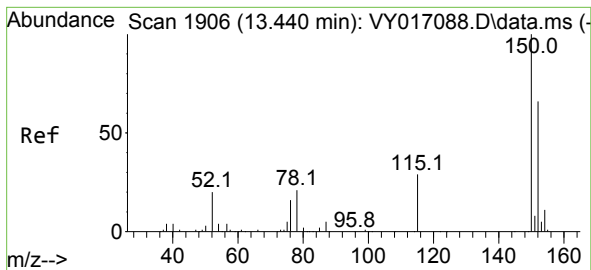
Ion Ratio Lower Upper

117 100

82 55.1 43.8 65.8

119 32.6 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

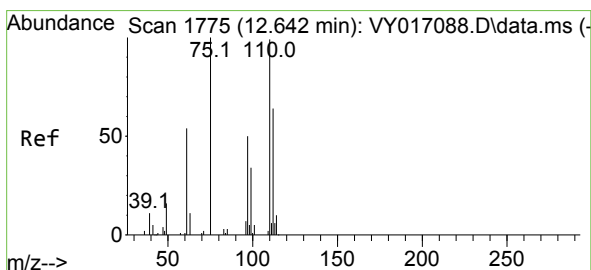
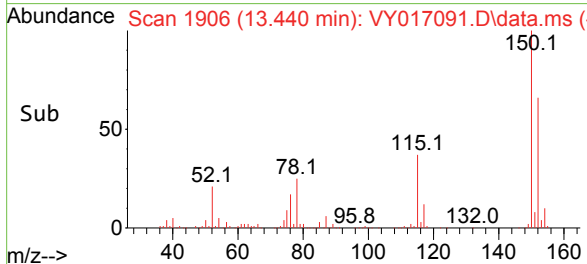
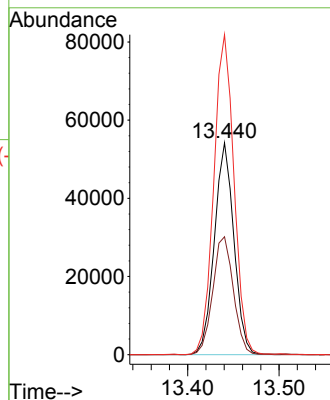
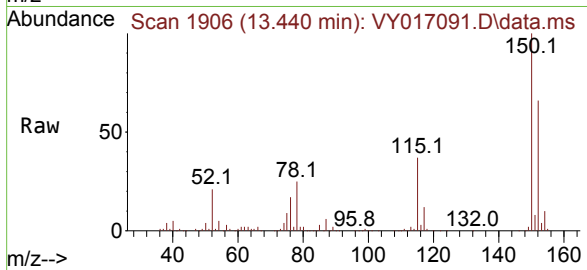
Tgt Ion:152 Resp: 80731

Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

150 155.4 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 21.533 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY017091.D

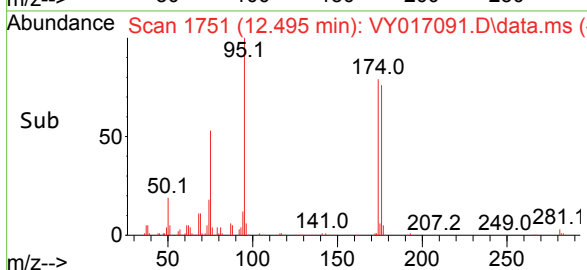
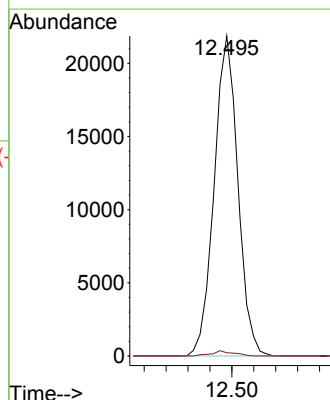
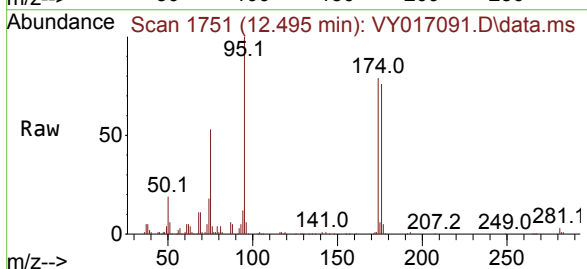
Acq: 24 Jan 2024 13:04

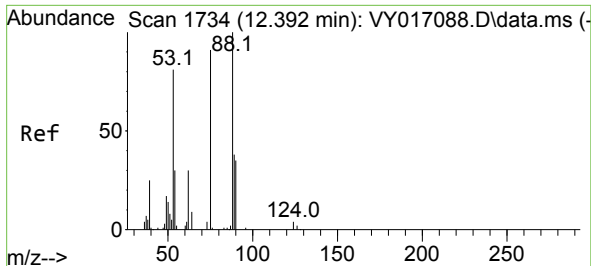
Tgt Ion: 75 Resp: 32862

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

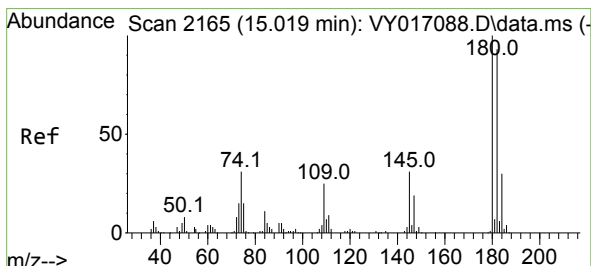
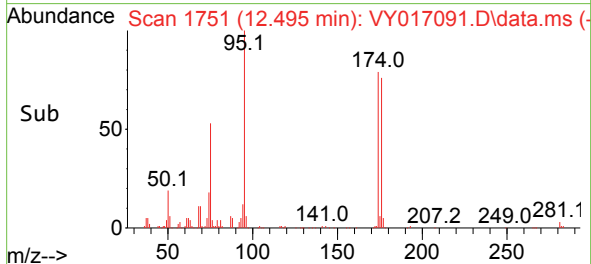
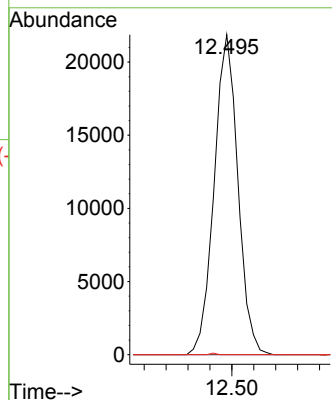
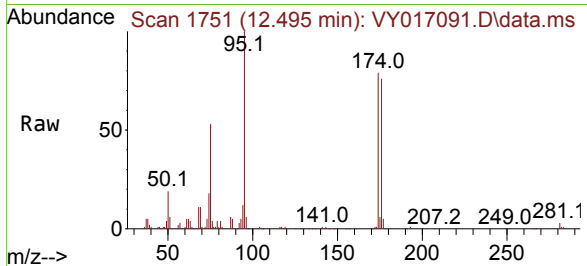




#81
trans-1,4-Dichloro-2-butene
Concen: 86.820 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017091.D
Acq: 24 Jan 2024 13:04

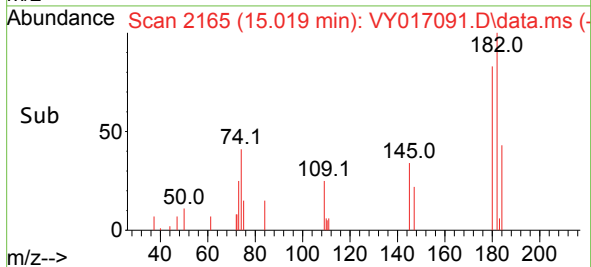
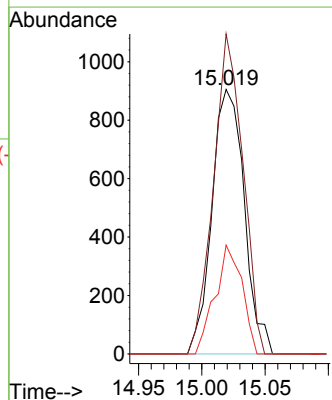
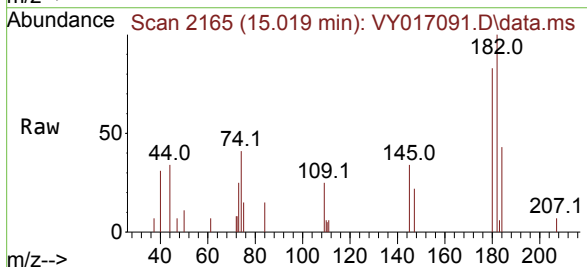
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

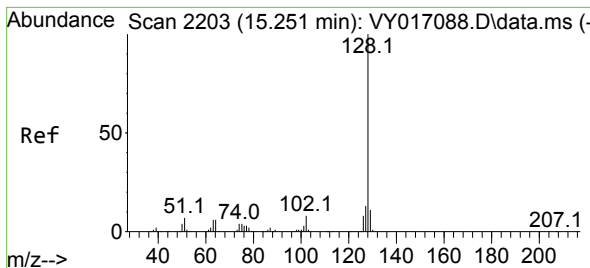
Tgt Ion: 75 Resp: 32862
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.272 ug/l
RT: 15.019 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY017091.D
Acq: 24 Jan 2024 13:04

Tgt Ion: 180 Resp: 1610
Ion Ratio Lower Upper
180 100
182 110.3 47.9 143.7
145 34.2 15.9 47.7





#95

Naphthalene

Concen: 1.783 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

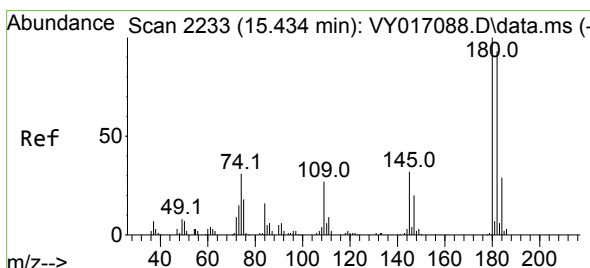
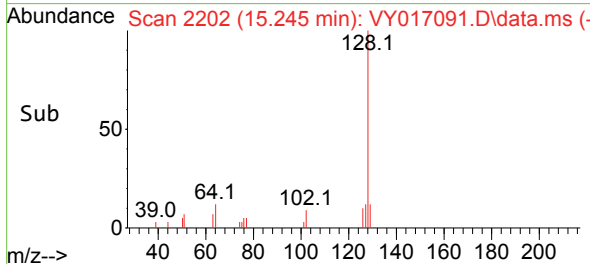
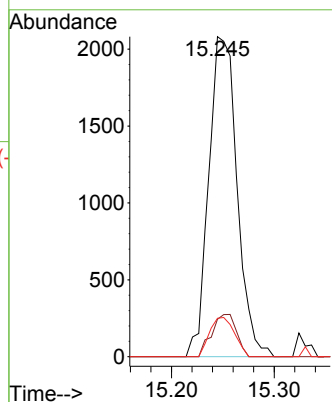
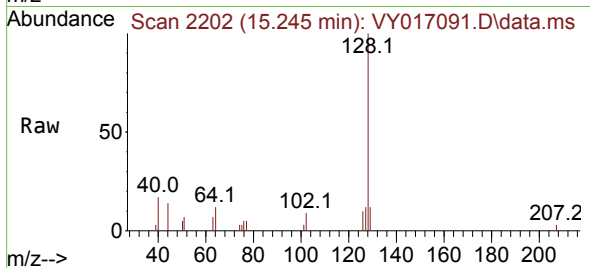
Tgt Ion:128 Resp: 3984

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.4

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 1.832 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY017091.D

Acq: 24 Jan 2024 13:04

Tgt Ion:180 Resp: 1928

Ion Ratio Lower Upper

180 100

182 86.0 46.3 138.8

145 34.2 16.1 48.2

