

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020224\
 Data File : VY017180.D
 Acq On : 02 Feb 2024 13:40
 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: Feb 02 22:29:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

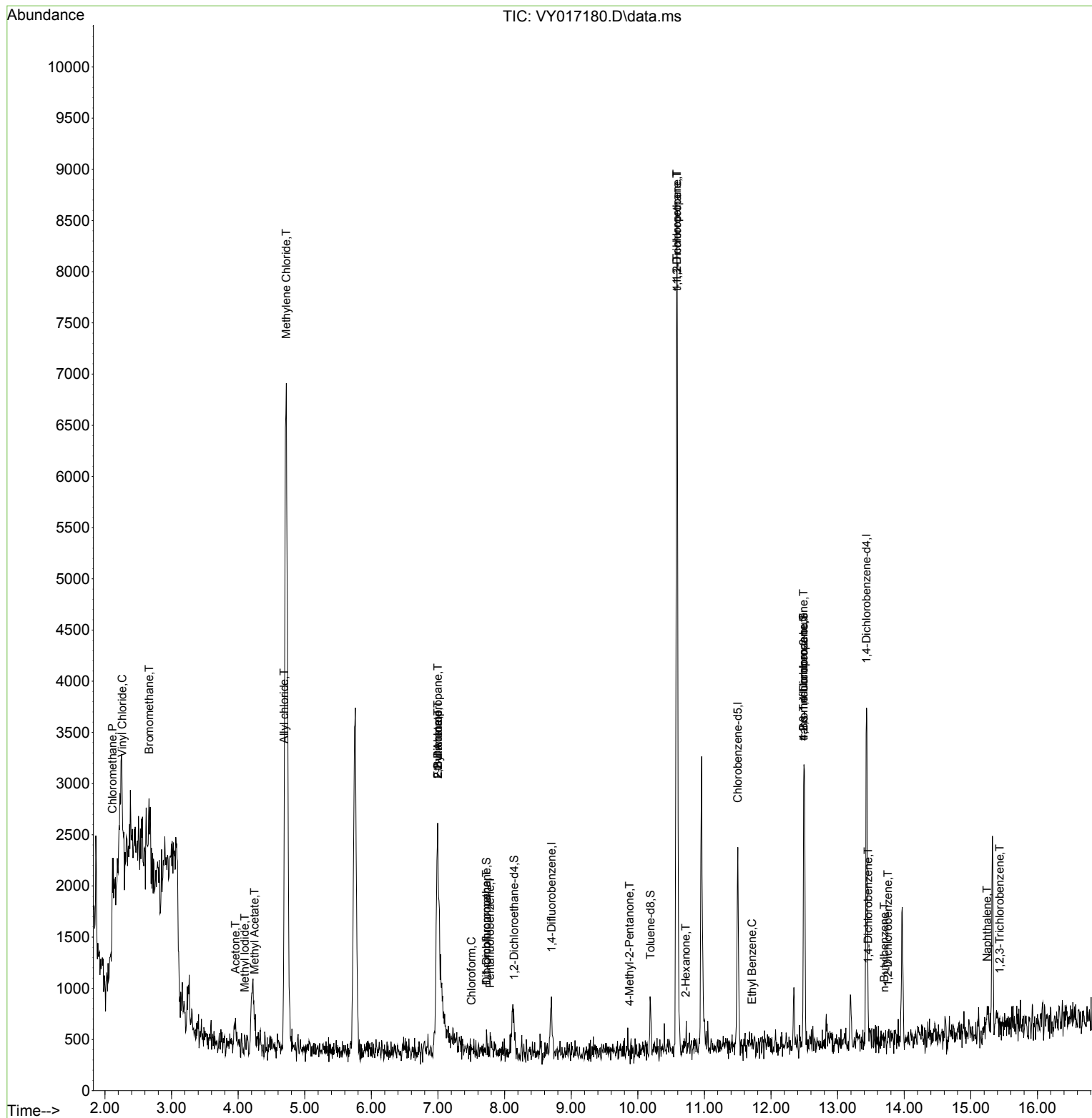
Internal Standards						
1) Pentafluorobenzene	7.783	168	93	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.703	114	720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	1148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	164	197.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 394.800%#	
35) Dibromofluoromethane	7.728	113	44	11.318	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 22.640%#	
50) Toluene-d8	10.191	98	367	25.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 51.860%#	
62) 4-Bromofluorobenzene	12.489	95	416	89.720	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 179.440%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	56	44.216	ug/l #	31
4) Vinyl Chloride	2.259	62	22	14.254	ug/l #	43
5) Bromomethane	2.662	94	120	112.165	ug/l #	51
10) Methyl Iodide	4.101	142	68	67.233	ug/l #	40
14) Allyl chloride	4.692	41	67	49.163	ug/l #	23
16) Acetone	3.960	43	360	1474.293	ug/l #	41
18) Methyl Acetate	4.247	43	75	137.682	ug/l #	51
20) Methylene Chloride	4.722	84	5135	5517.610	ug/l	91
25) 2-Butanone	6.996	43	90	277.252	ug/l #	48
26) 2,2-Dichloropropane	6.996	77	73	47.870	ug/l #	52
30) Chloroform	7.502	83	45	24.400	ug/l #	18
36) 1,1-Dichloropropene	7.728	75	19	2.833	ug/l #	42
37) Ethyl Acetate	6.996	43	90	28.937	ug/l #	69
51) 4-Methyl-2-Pentanone	9.874	43	20	6.777	ug/l #	35
53) t-1,3-Dichloropropene	10.587	75	78	13.059	ug/l #	44
55) 1,1,2-Trichloroethane	10.587	97	21	6.075	ug/l #	15
59) 2-Hexanone	10.721	43	172	80.596	ug/l #	23
67) Ethyl Benzene	11.715	91	135	3.373	ug/l #	43
76) 1,2,3-Trichloropropane	12.489	75	254	25.317	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	254	52.605	ug/l #	12
88) 1,4-Dichlorobenzene	13.459	146	114	3.321	ug/l #	25
89) n-Butylbenzene	13.703	91	79	1.222	ug/l #	33
91) 1,2-Dichlorobenzene	13.757	146	55	1.828	ug/l #	25
95) Naphthalene	15.245	128	335	14.187	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.434	180	23	1.810	ug/l #	79

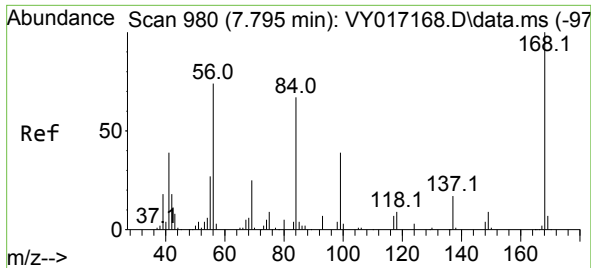
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 02 00:56:04 2024
Response via : Initial Calibration

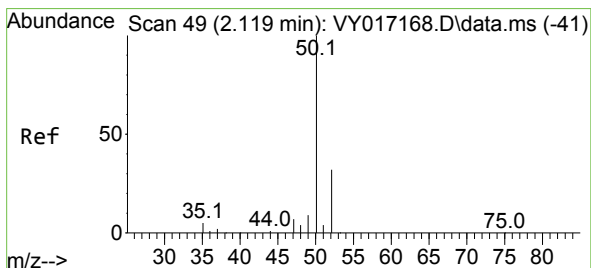
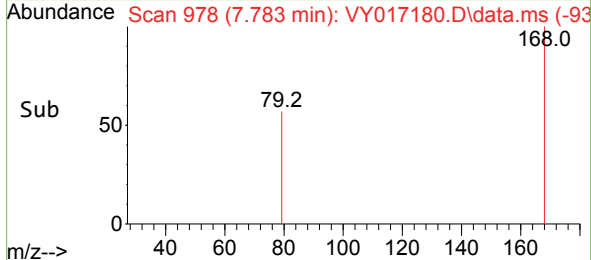
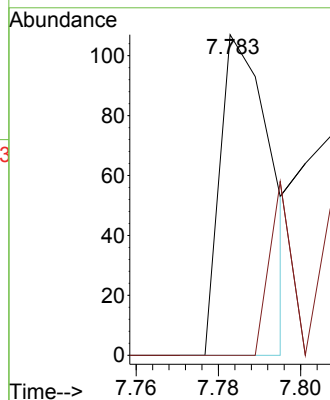
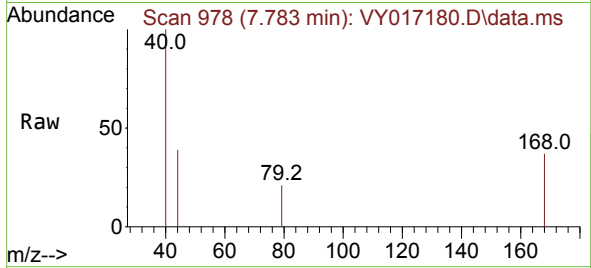




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

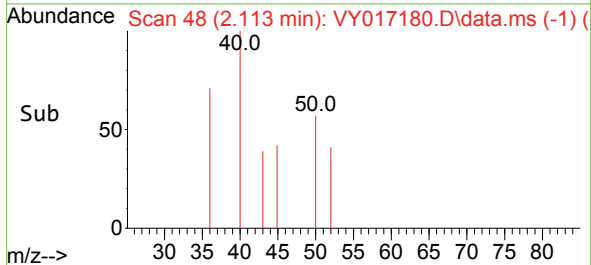
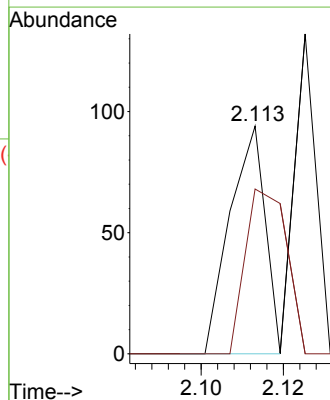
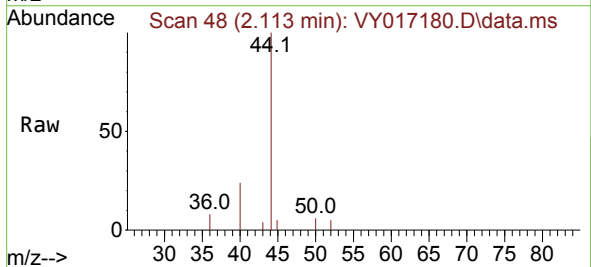
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

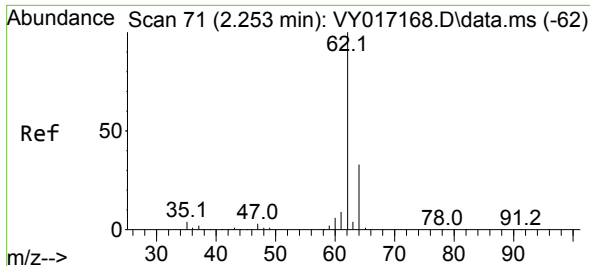
Tgt Ion:168 Resp: 93
Ion Ratio Lower Upper
168 100
99 0.0 44.2 66.4#



#3
Chloromethane
Concen: 44.216 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion: 50 Resp: 56
Ion Ratio Lower Upper
50 100
52 72.3 26.7 40.1#

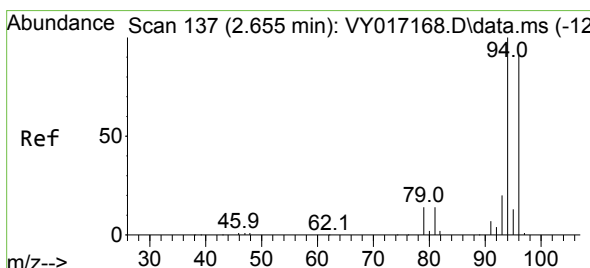
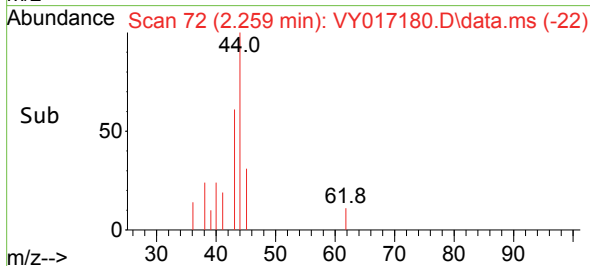
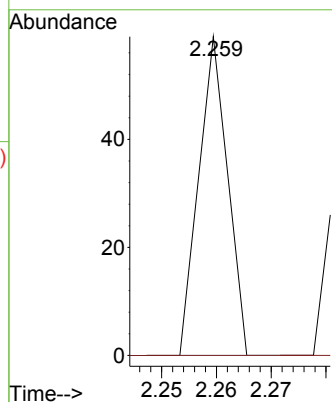
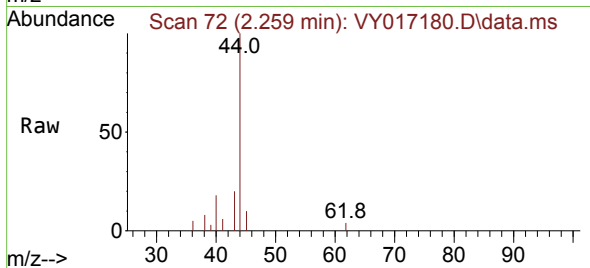




#4
 Vinyl Chloride
 Concen: 14.254 ug/l
 RT: 2.259 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VY017180.D
 Acq: 02 Feb 2024 13:40

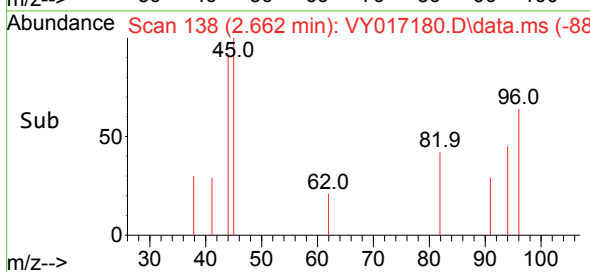
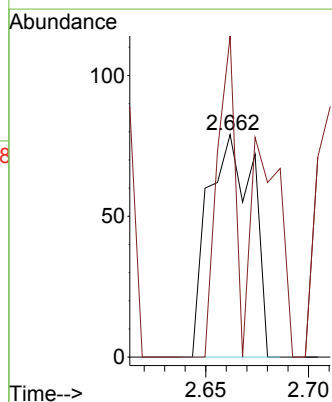
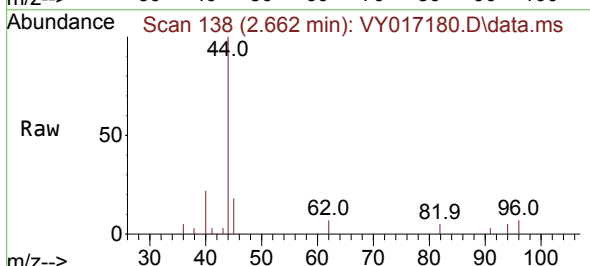
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

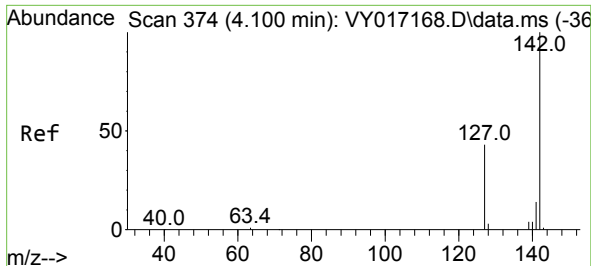
Tgt Ion: 62 Resp: 22
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 112.165 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.006 min
 Lab File: VY017180.D
 Acq: 02 Feb 2024 13:40

Tgt Ion: 94 Resp: 120
 Ion Ratio Lower Upper
 94 100
 96 144.3 77.3 115.9#

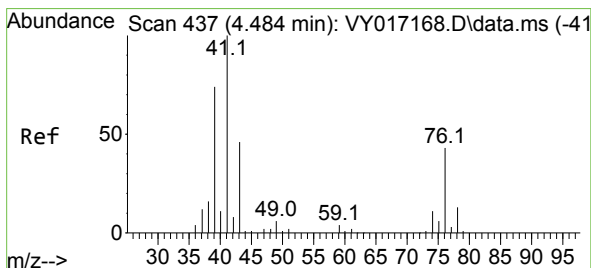
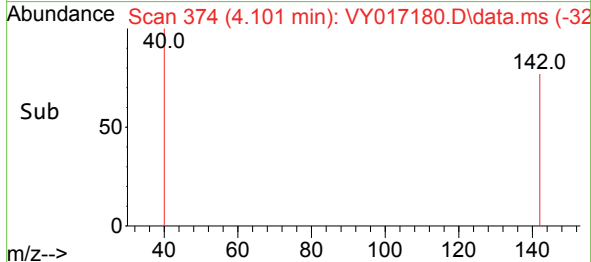
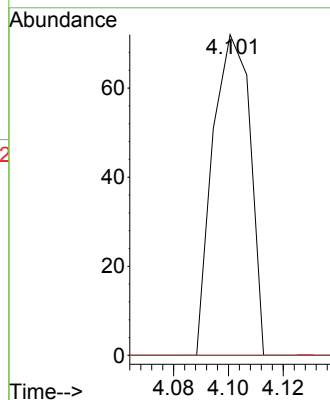
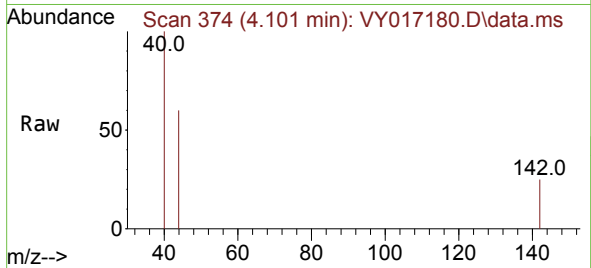




#10
Methyl Iodide
Concen: 67.233 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

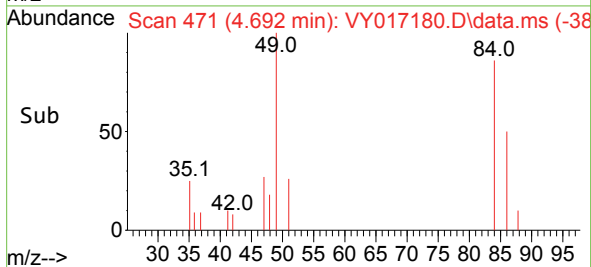
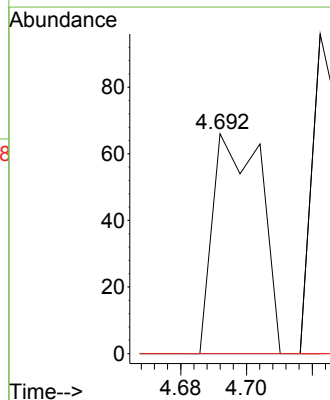
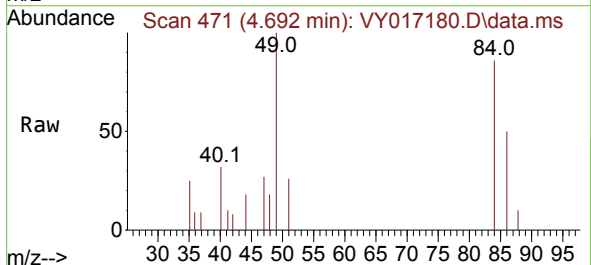
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

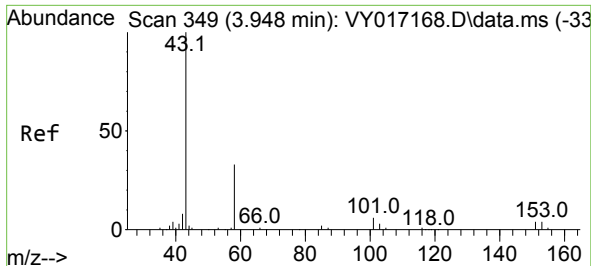
Tgt Ion:	142	Resp:	68
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.1	52.7#
141	0.0	11.8	17.6#



#14
Allyl chloride
Concen: 49.163 ug/l
RT: 4.692 min Scan# 471
Delta R.T. 0.208 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
39	0.0	54.7	82.1#
76	0.0	31.8	47.6#





#16

Acetone

Concen: 1474.293 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.013 min

Lab File: VY017180.D

Acq: 02 Feb 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

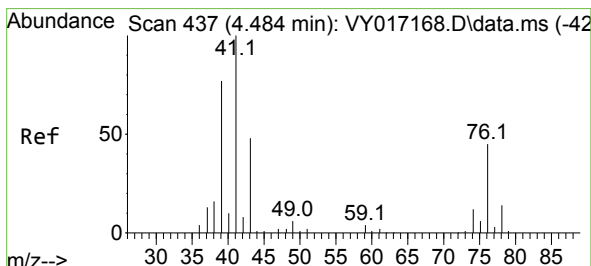
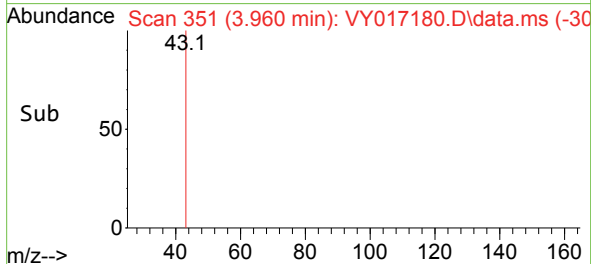
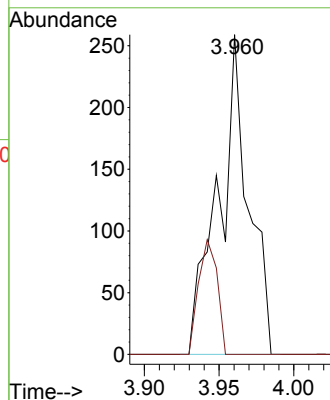
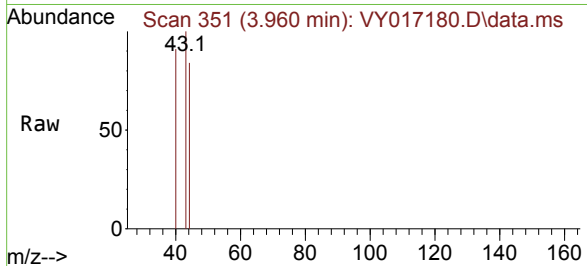
VIBLK

Tgt Ion: 43 Resp: 360

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#18

Methyl Acetate

Concen: 137.682 ug/l

RT: 4.247 min Scan# 398

Delta R.T. -0.237 min

Lab File: VY017180.D

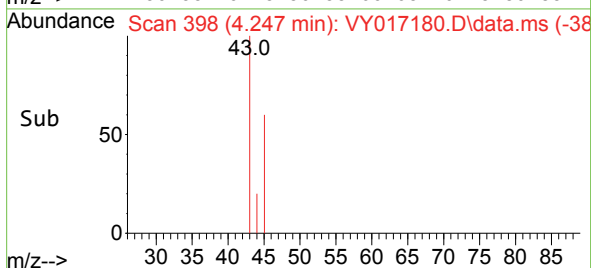
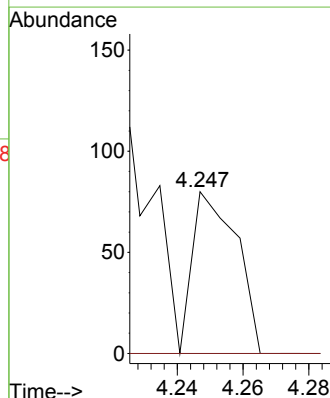
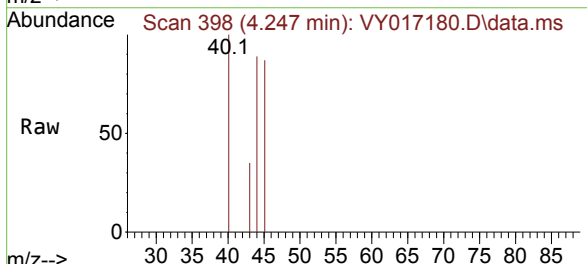
Acq: 02 Feb 2024 13:40

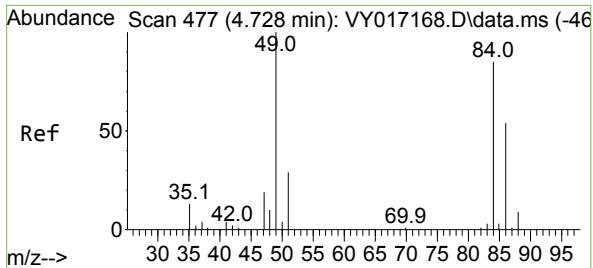
Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.6#



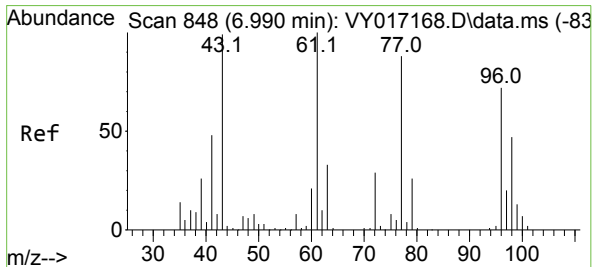
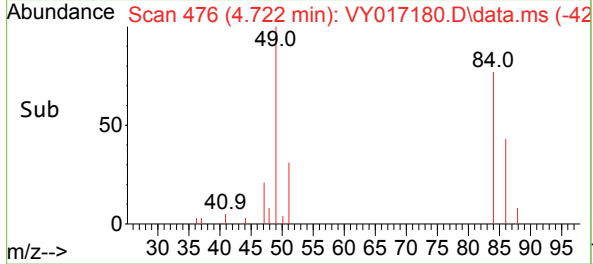
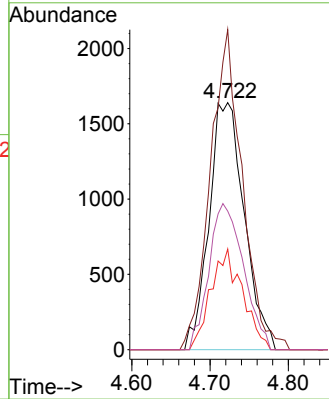
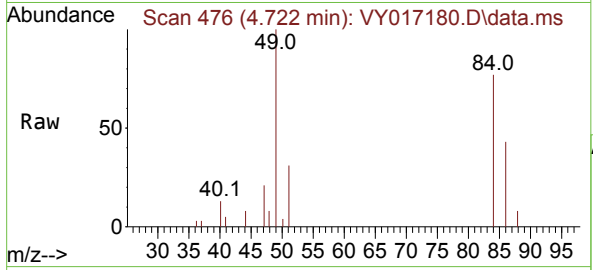


#20
Methylene Chloride
Concen: 5517.610 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 5135

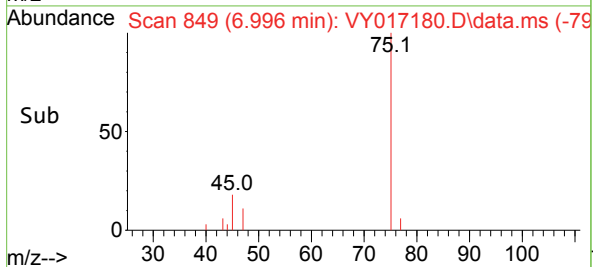
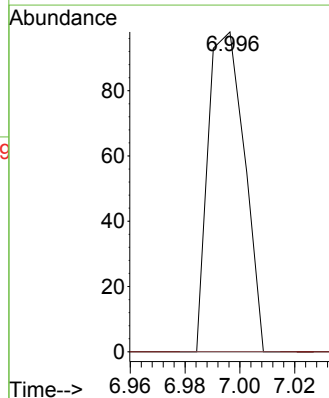
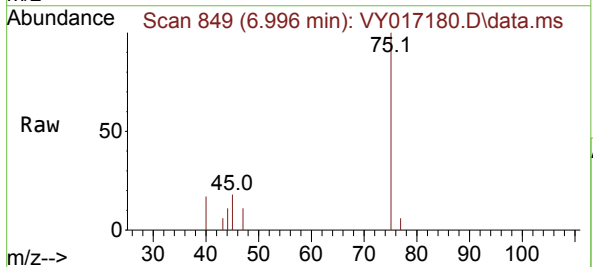
Ion	Ratio	Lower	Upper
84	100		
49	129.6	95.2	142.8
51	40.7	29.9	44.9
86	56.1	52.2	78.4

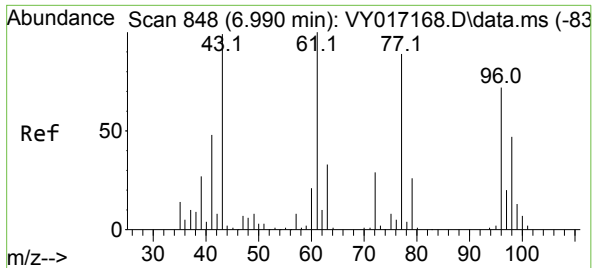


#25
2-Butanone
Concen: 277.252 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion: 43 Resp: 90

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#





#26

2,2-Dichloropropane

Concen: 47.870 ug/l

RT: 6.996 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY017180.D

Acq: 02 Feb 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

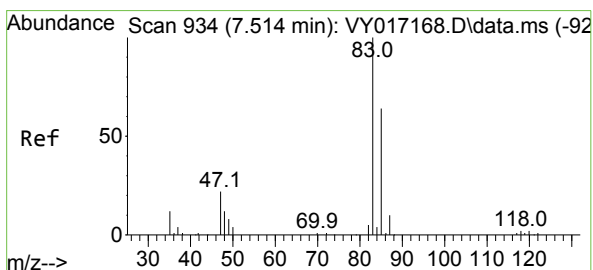
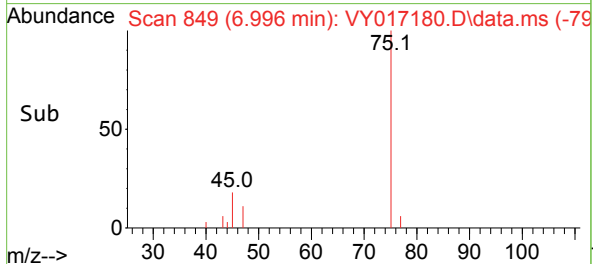
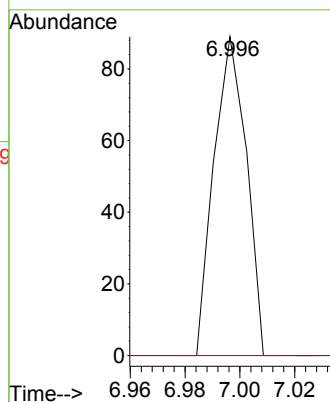
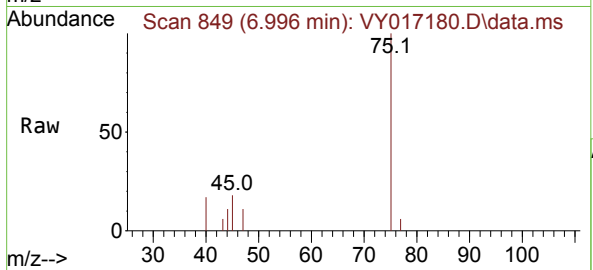
VIBLK

Tgt Ion: 77 Resp: 73

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



#30

Chloroform

Concen: 24.400 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.012 min

Lab File: VY017180.D

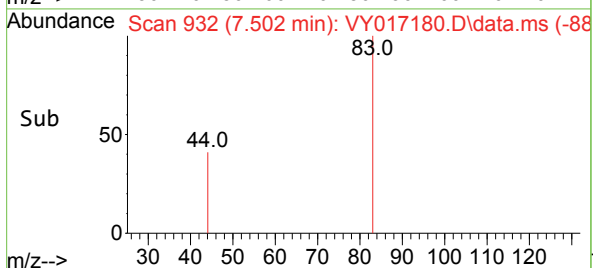
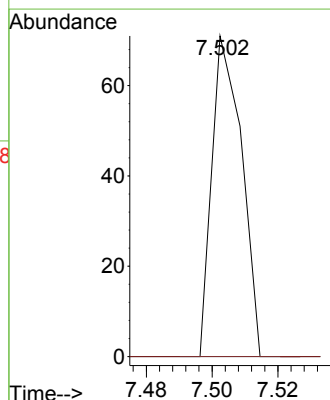
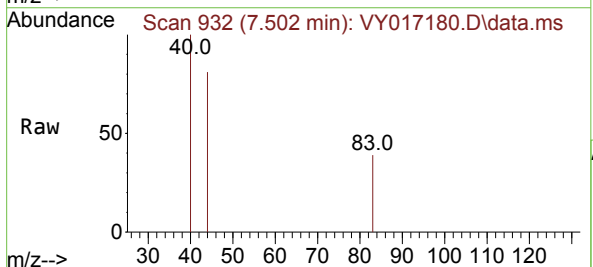
Acq: 02 Feb 2024 13:40

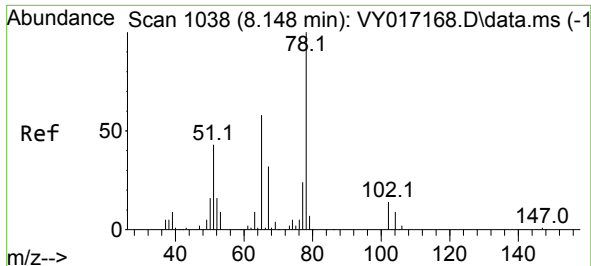
Tgt Ion: 83 Resp: 45

Ion Ratio Lower Upper

83 100

85 0.0 51.2 76.8#

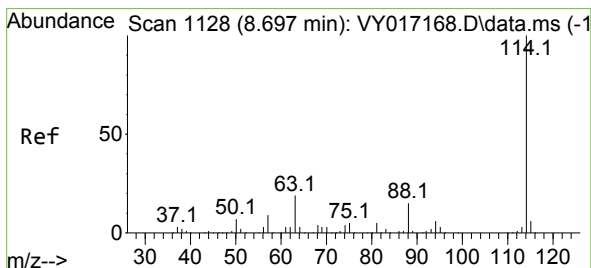
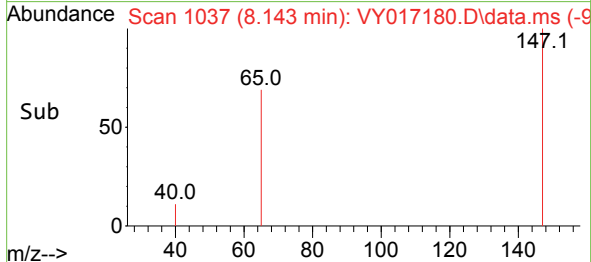
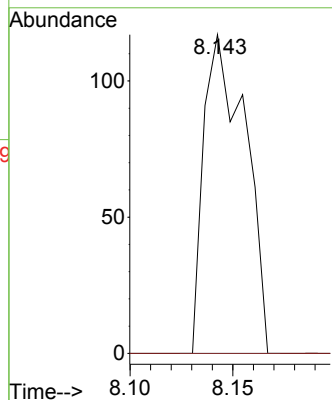
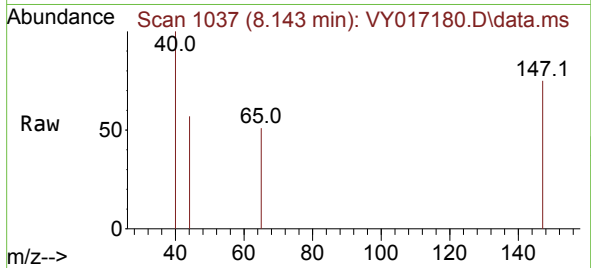




#33
 1,2-Dichloroethane-d4
 Concen: 197.399 ug/l
 RT: 8.143 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY017180.D
 Acq: 02 Feb 2024 13:40

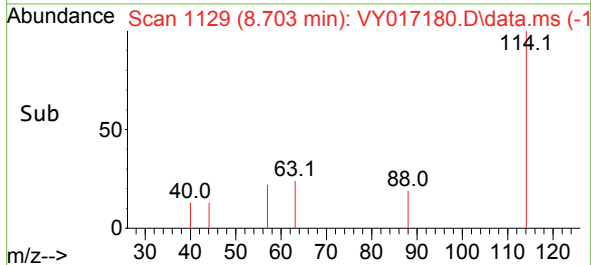
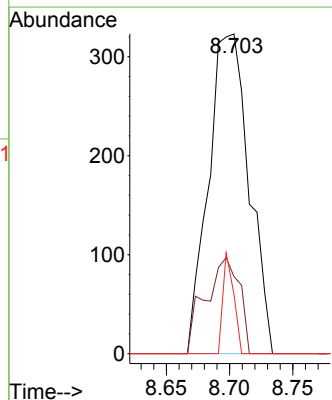
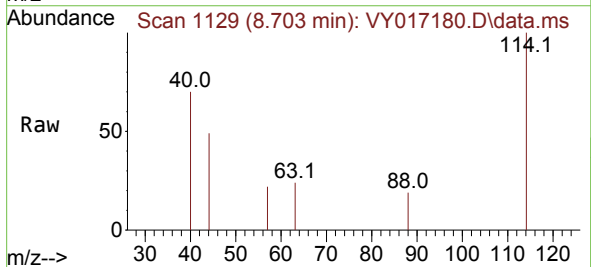
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

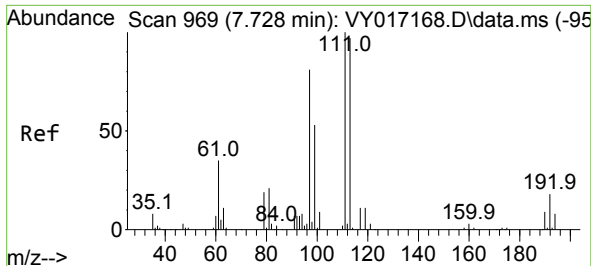
Tgt Ion: 65 Resp: 164
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VY017180.D
 Acq: 02 Feb 2024 13:40

Tgt Ion: 114 Resp: 720
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 37.4
 88 18.6 0.0 29.0

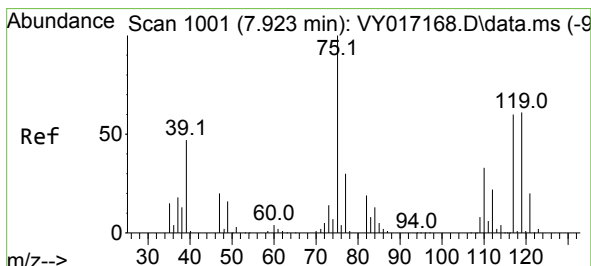
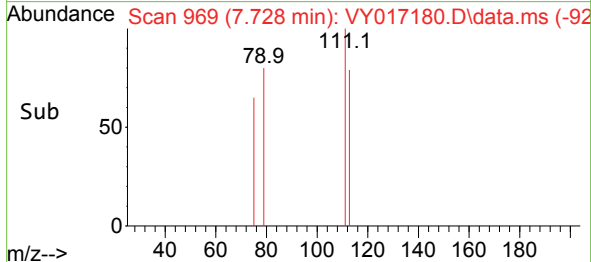
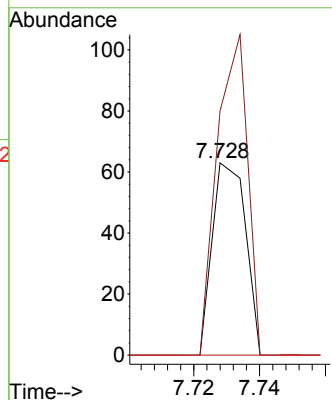
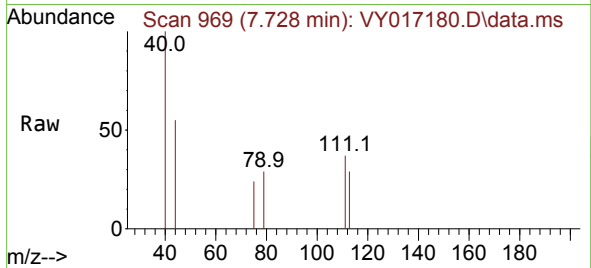




#35
Dibromofluoromethane
Concen: 11.318 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

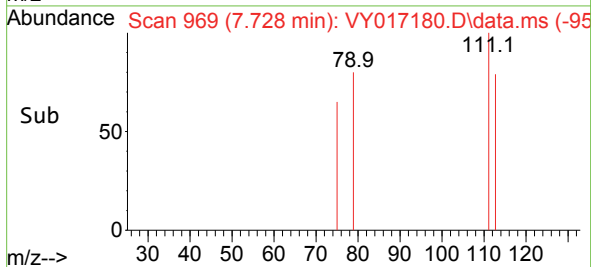
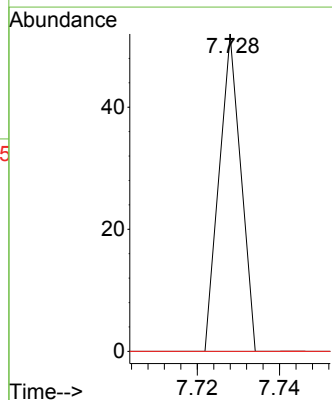
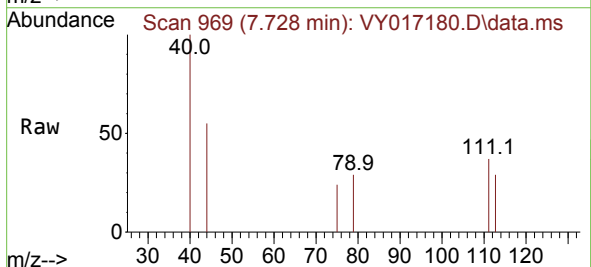
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

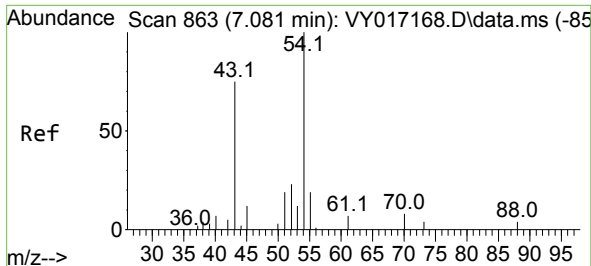
Tgt Ion:113 Resp: 44
Ion Ratio Lower Upper
113 100
111 154.5 83.8 125.6#
192 0.0 14.5 21.7#



#36
1,1-Dichloropropene
Concen: 2.833 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.195 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#

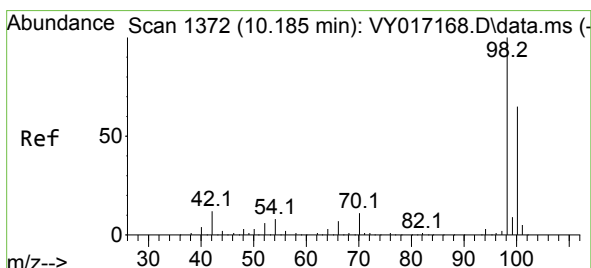
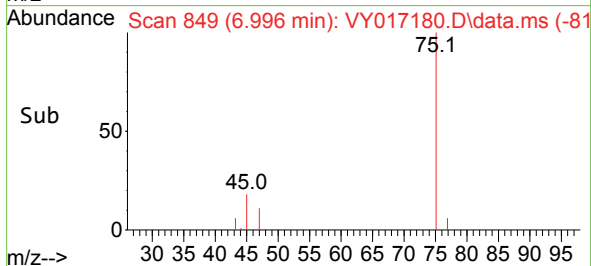
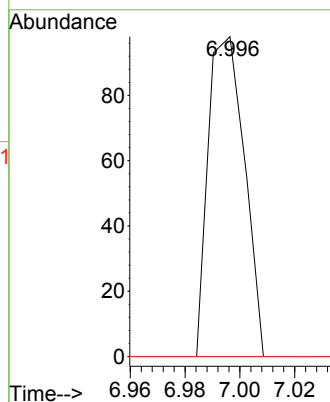
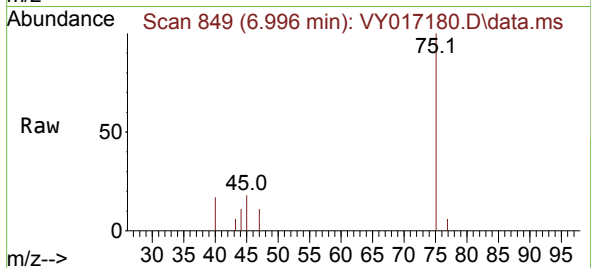




#37
Ethyl Acetate
Concen: 28.937 ug/l
RT: 6.996 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

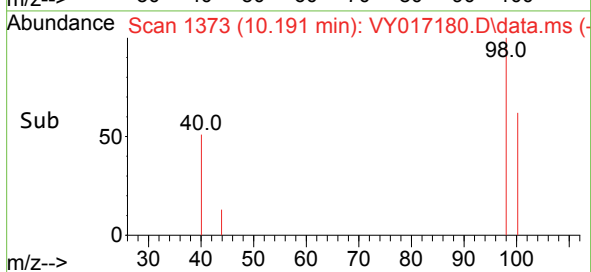
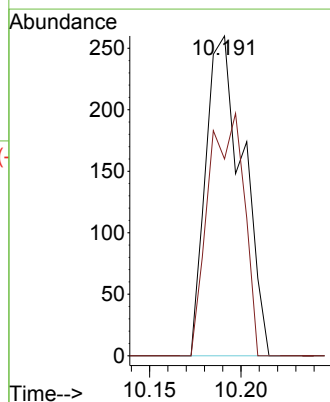
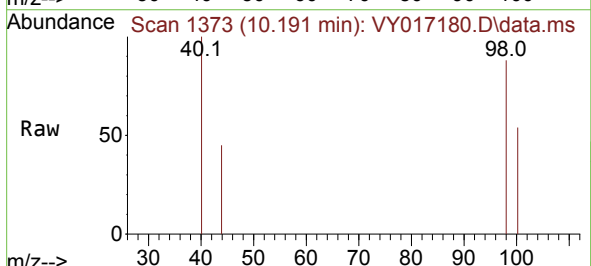
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

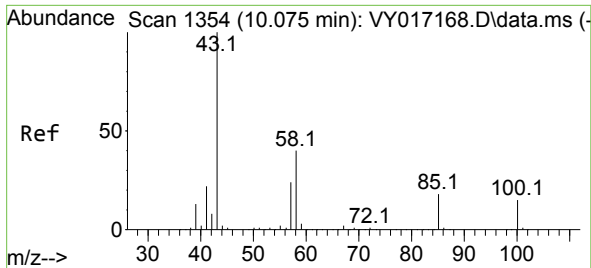
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.1 12.1#



#50
Toluene-d8
Concen: 25.929 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion: 98 Resp: 367
Ion Ratio Lower Upper
98 100
100 73.0 52.3 78.5

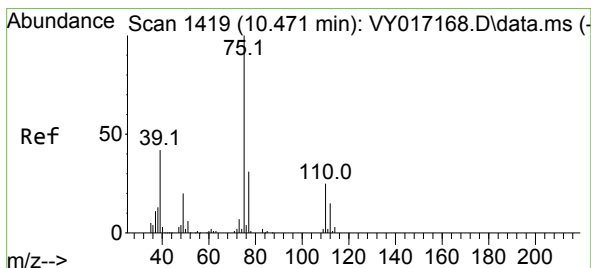
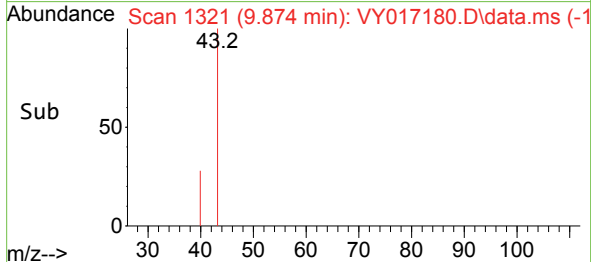
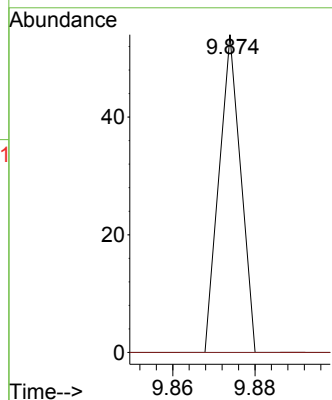
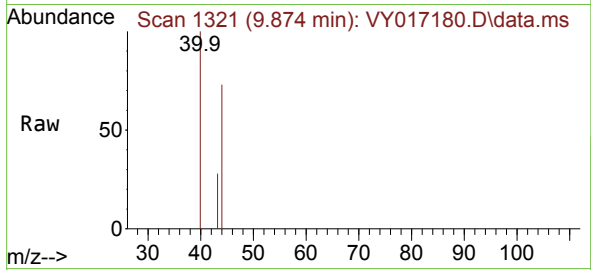




#51
4-Methyl-2-Pentanone
Concen: 6.777 ug/l
RT: 9.874 min Scan# 11
Delta R.T. -0.201 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

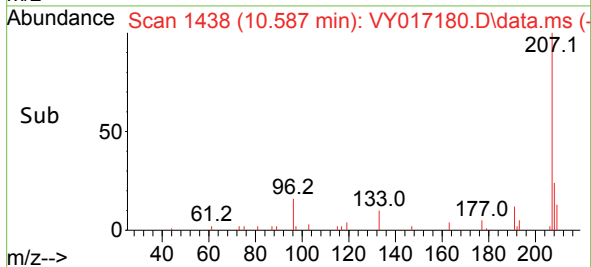
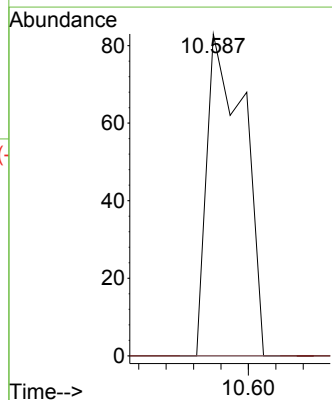
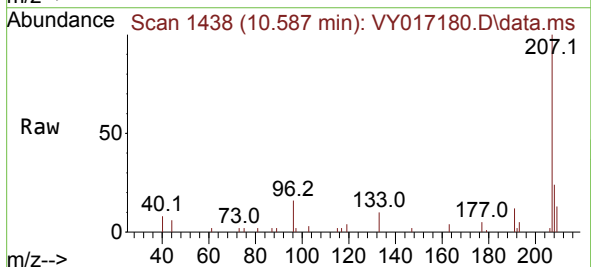
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

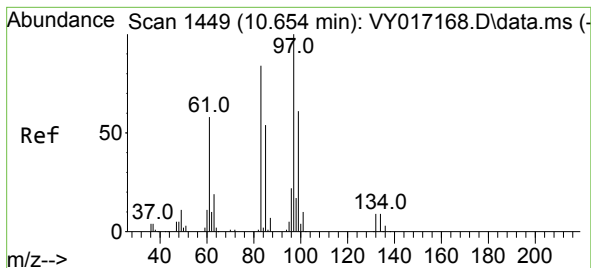
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.2#



#53
t-1,3-Dichloropropene
Concen: 13.059 ug/l
RT: 10.587 min Scan# 1438
Delta R.T. 0.116 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#





#55

1,1,2-Trichloroethane

Concen: 6.075 ug/l

RT: 10.587 min Scan# 14

Delta R.T. -0.067 min

Lab File: VY017180.D

Acq: 02 Feb 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 97 Resp: 21

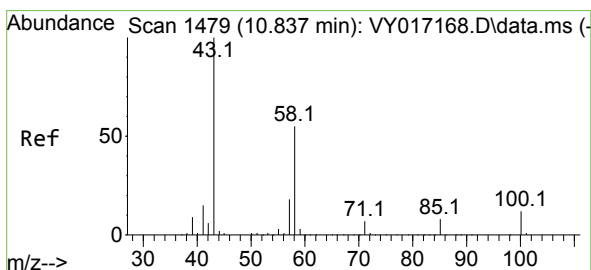
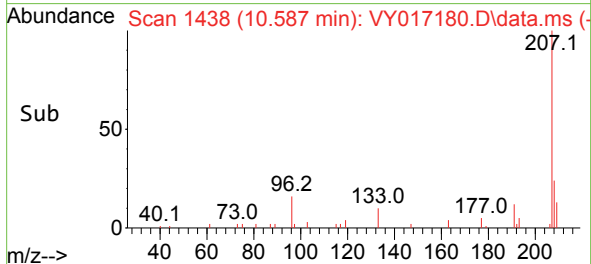
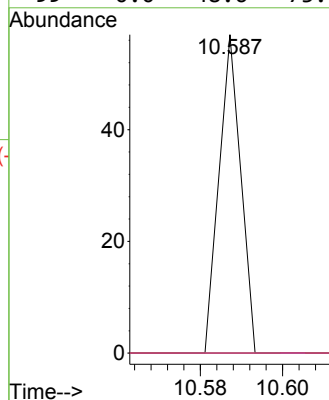
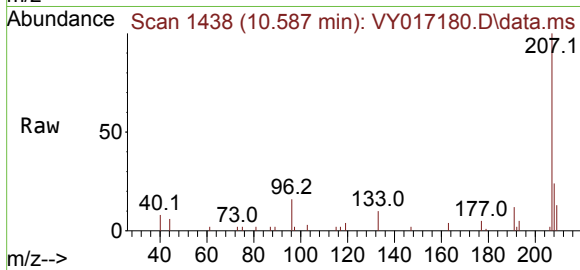
Ion Ratio Lower Upper

97 100

83 0.0 69.4 104.2#

85 0.0 43.9 65.9#

99 0.0 48.6 73.0#



#59

2-Hexanone

Concen: 80.596 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.115 min

Lab File: VY017180.D

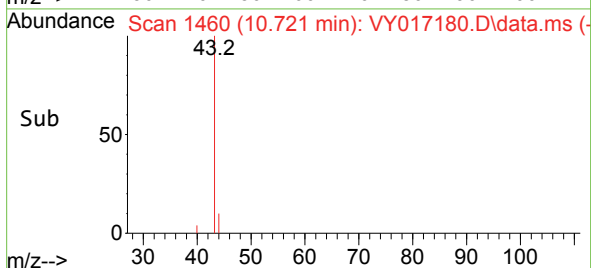
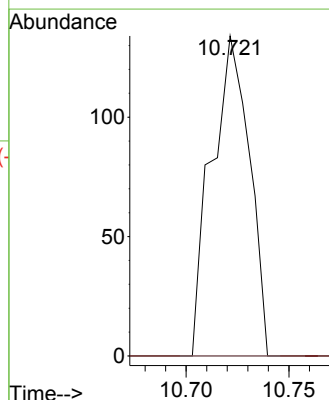
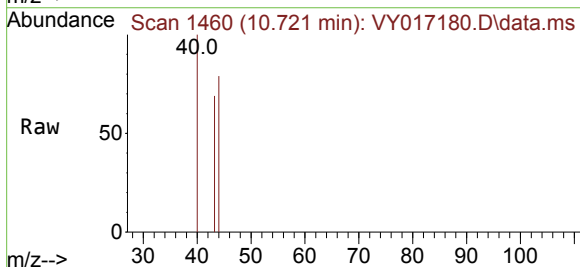
Acq: 02 Feb 2024 13:40

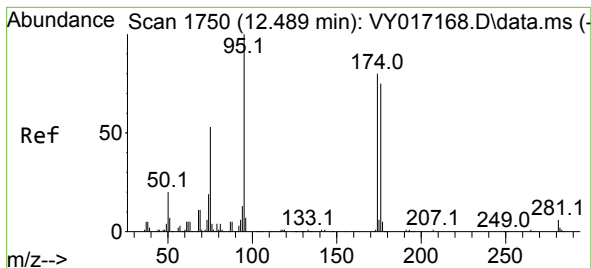
Tgt Ion: 43 Resp: 172

Ion Ratio Lower Upper

43 100

58 0.0 28.1 84.3#

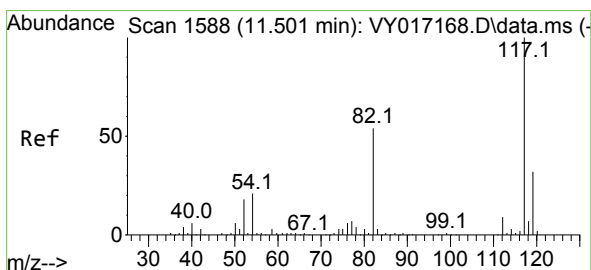
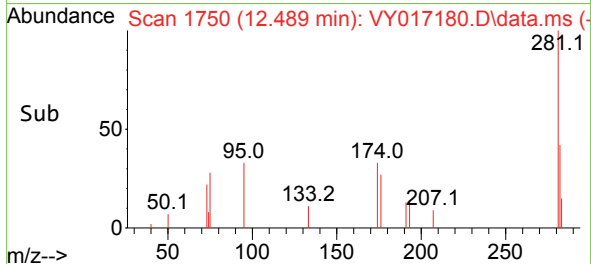
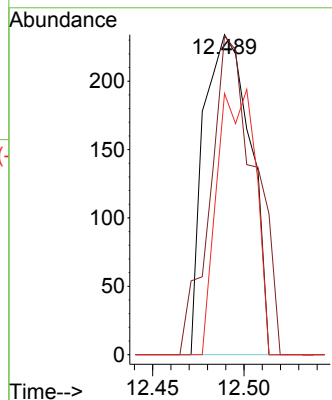
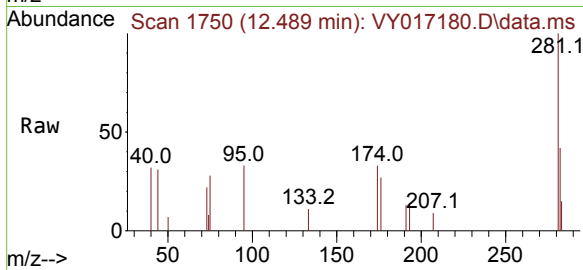




#62
4-Bromofluorobenzene
Concen: 89.720 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

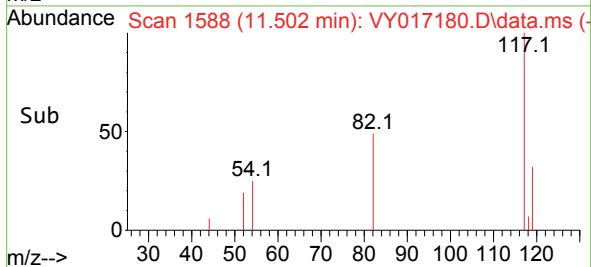
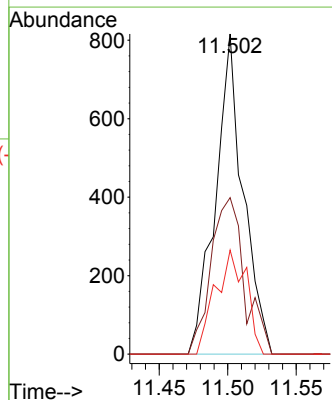
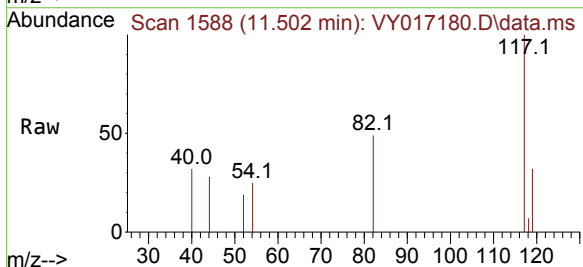
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

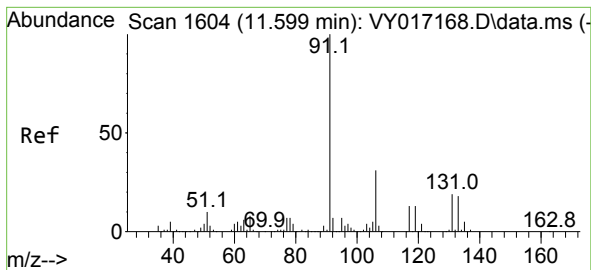
Tgt Ion:	95	Resp:	416
Ion Ratio	100	Lower	Upper
174	95.4	0.0	160.0
176	68.3	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion:	117	Resp:	1148
Ion Ratio	100	Lower	Upper
82	48.9	43.8	65.8
119	32.5	26.5	39.7





#67

Ethyl Benzene

Concen: 3.373 ug/l

RT: 11.715 min Scan# 1

Delta R.T. 0.116 min

Lab File: VY017180.D

Acq: 02 Feb 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

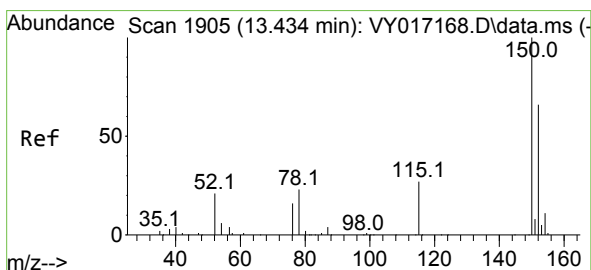
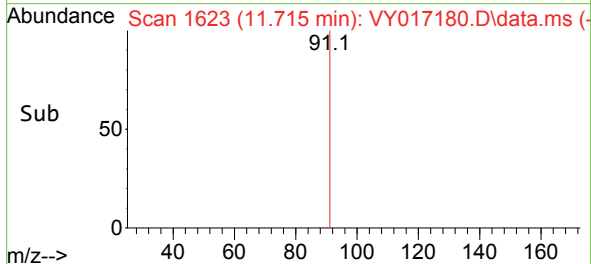
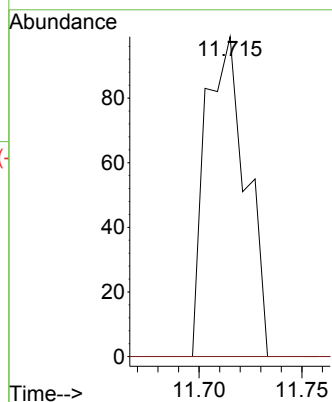
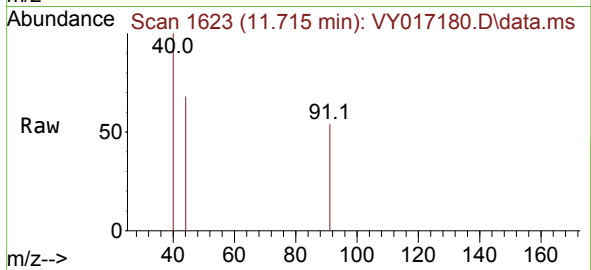
VIBLK

Tgt Ion: 91 Resp: 135

Ion Ratio Lower Upper

91 100

106 0.0 25.0 37.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017180.D

Acq: 02 Feb 2024 13:40

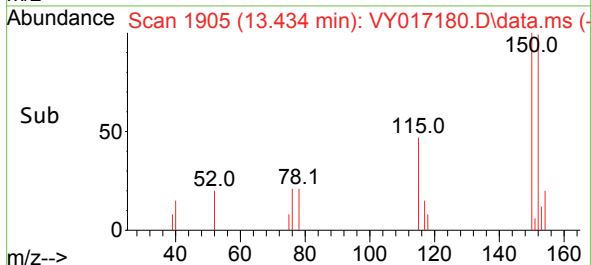
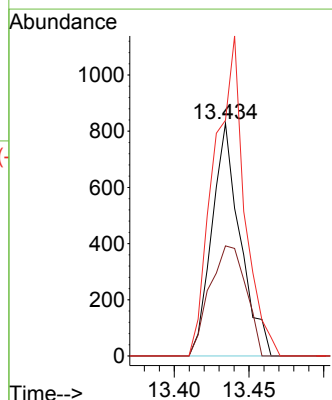
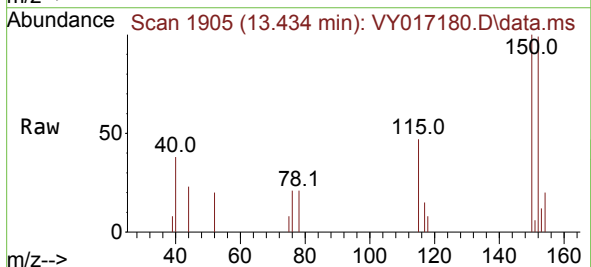
Tgt Ion: 152 Resp: 1087

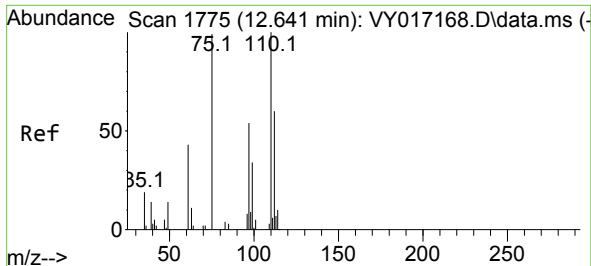
Ion Ratio Lower Upper

152 100

115 60.7 30.0 90.0

150 148.4 0.0 344.6

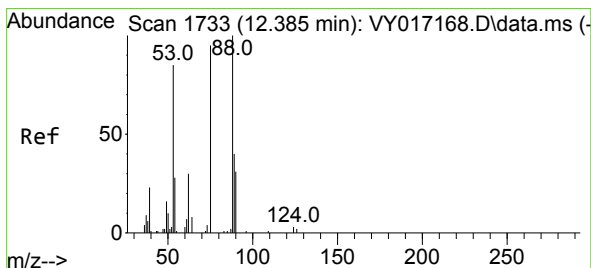
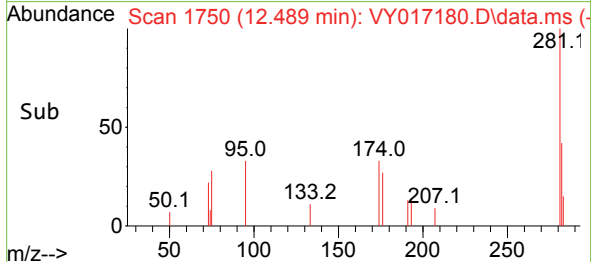
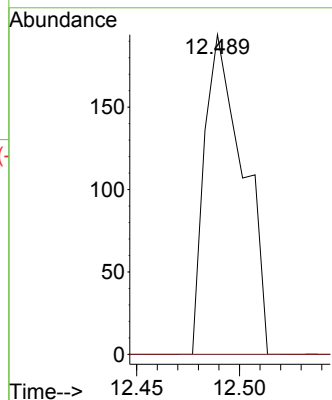
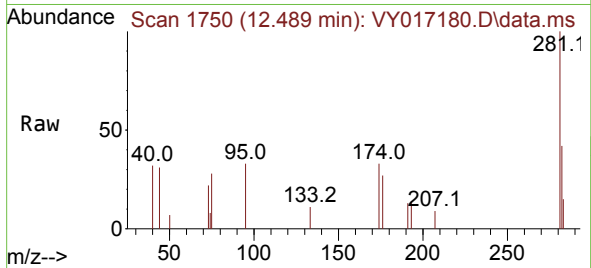




#76
1,2,3-Trichloropropane
Concen: 25.317 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

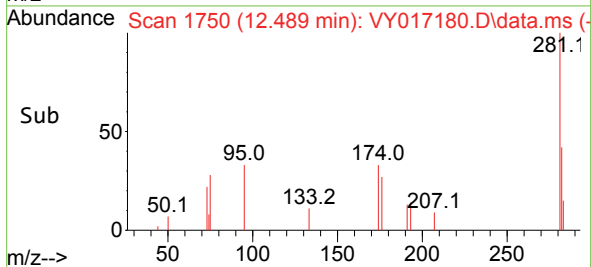
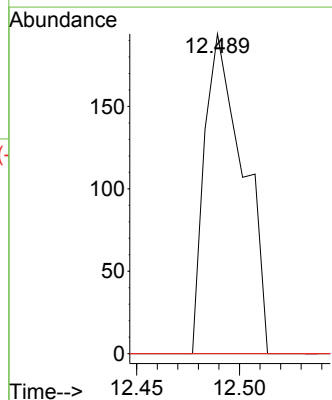
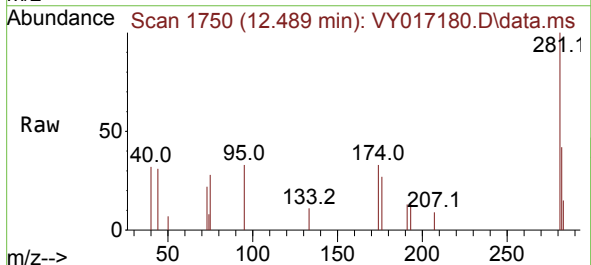
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

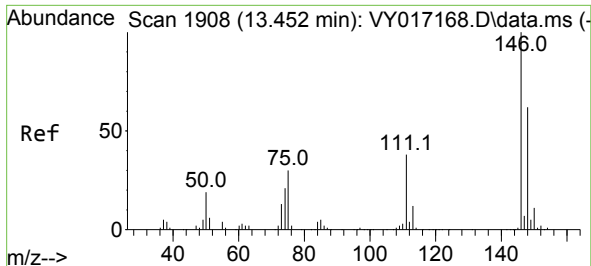
Tgt Ion: 75 Resp: 254
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 52.605 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion: 75 Resp: 254
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

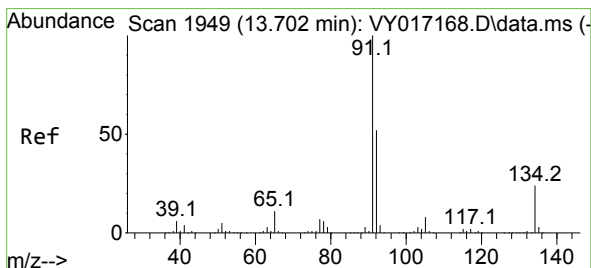
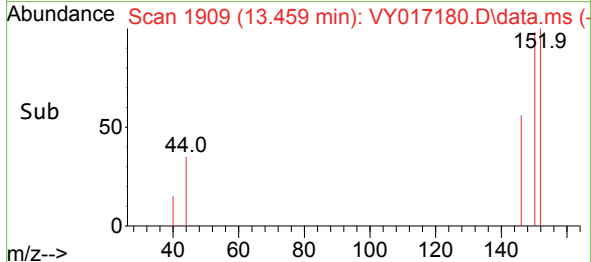
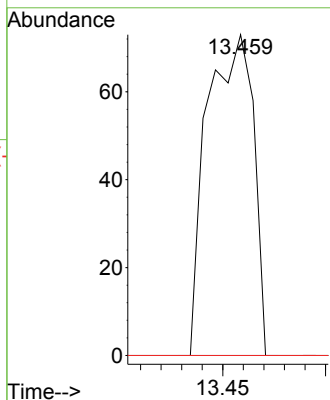
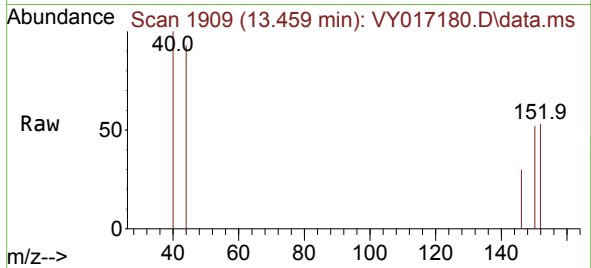




#88
1,4-Dichlorobenzene
Concen: 3.321 ug/l
RT: 13.459 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

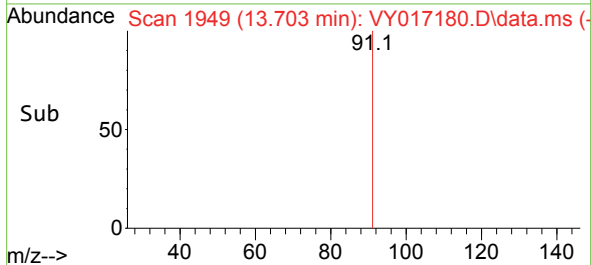
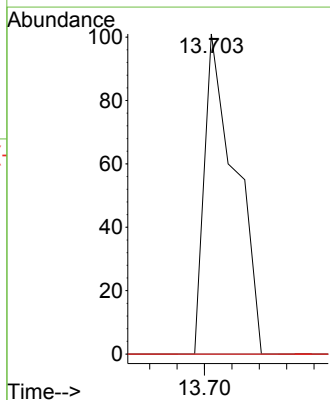
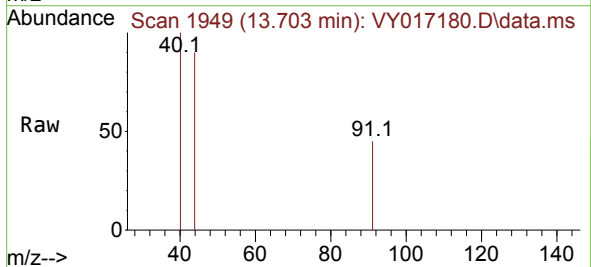
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

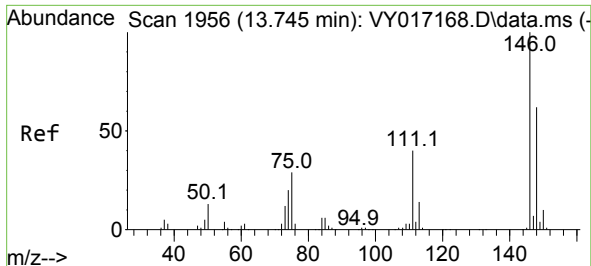
Tgt Ion:146 Resp: 114
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 0.0 31.6 94.7#



#89
n-Butylbenzene
Concen: 1.222 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VY017180.D
Acq: 02 Feb 2024 13:40

Tgt Ion: 91 Resp: 79
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.2#
134 0.0 12.3 36.8#





#91

1,2-Dichlorobenzene

Concen: 1.828 ug/l

RT: 13.757 min Scan# 1956

Delta R.T. 0.013 min

Lab File: VY017180.D

Acq: 02 Feb 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

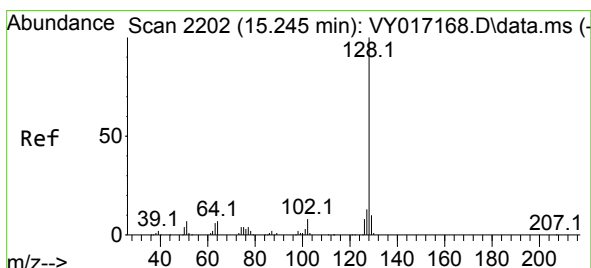
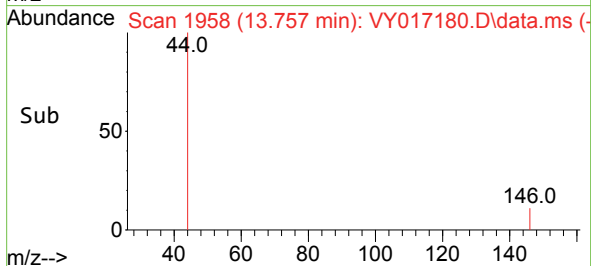
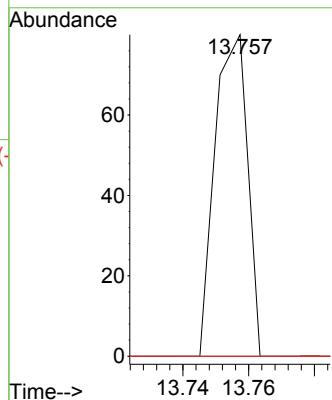
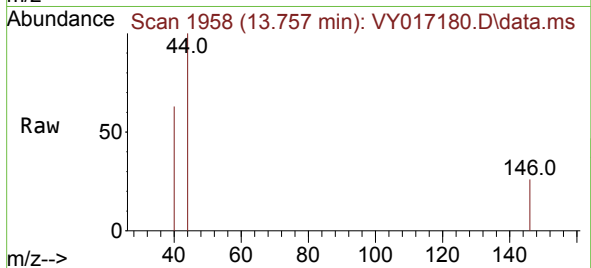
Tgt Ion:146 Resp: 55

Ion Ratio Lower Upper

146 100

111 0.0 20.5 61.6#

148 0.0 31.4 94.3#



#95

Naphthalene

Concen: 14.187 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY017180.D

Acq: 02 Feb 2024 13:40

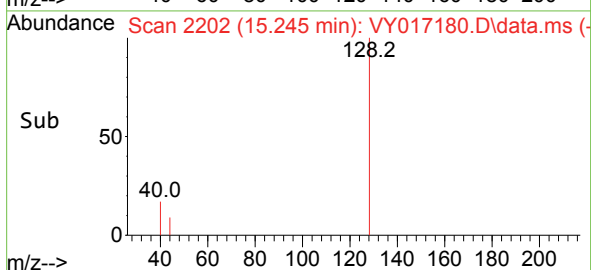
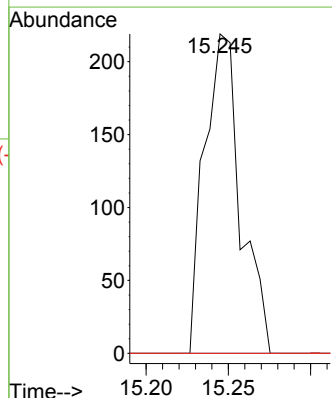
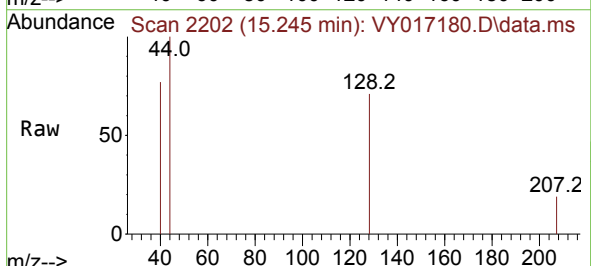
Tgt Ion:128 Resp: 335

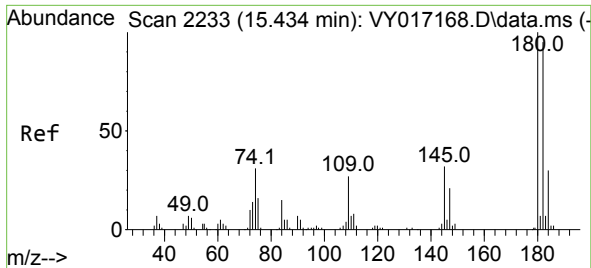
Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 1.810 ug/l

RT: 15.434 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY017180.D

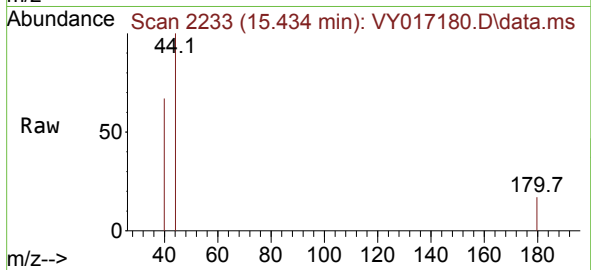
Acq: 02 Feb 2024 13:40

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 23

Ion Ratio Lower Upper

180 100

182 100.0 46.3 138.8

145 0.0 16.1 48.2#

