

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
 Data File : VY013179.D
 Acq On : 03 Apr 2023 16:32
 Operator : KP/MD
 Sample : 02165-04
 Misc : 6.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4B

Quant Time: Apr 03 23:10:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

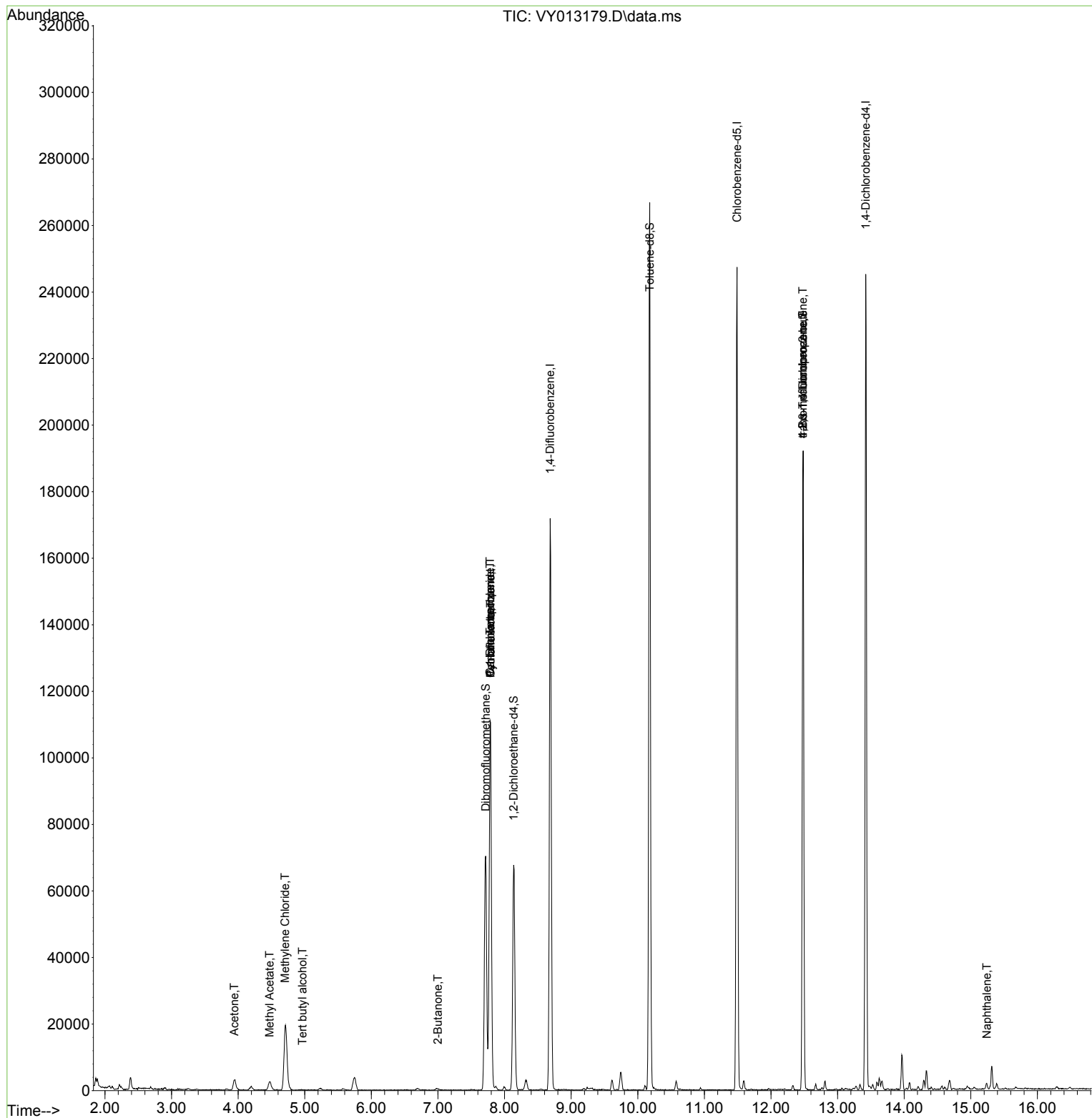
Internal Standards						
1) Pentafluorobenzene	7.789	168	92059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	147403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	136955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	64417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	54210	54.794	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.580%			
35) Dibromofluoromethane	7.716	113	49872	51.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.580%			
50) Toluene-d8	10.179	98	173955	47.853	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.700%			
62) 4-Bromofluorobenzene	12.477	95	55519	46.920	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.840%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	128	1.435	ug/l #	74
16) Acetone	3.942	43	5776	19.093	ug/l #	88
18) Methyl Acetate	4.473	43	5039	5.286	ug/l #	88
20) Methylene Chloride	4.704	84	15242	10.334	ug/l	85
25) 2-Butanone	6.997	43	745	1.969	ug/l #	49
31) Cyclohexane	7.789	56	1721	1.066	ug/l #	6
36) 1,1-Dichloropropene	7.783	75	6435	4.439	ug/l #	49
38) Carbon Tetrachloride	7.783	117	8670	5.420	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	28293	39.097	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	28293	87.192	ug/l #	13
95) Naphthalene	15.239	128	1880	3.961	ug/l	98

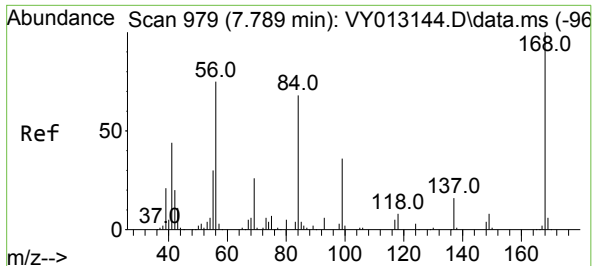
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 03 13:40:57 2023
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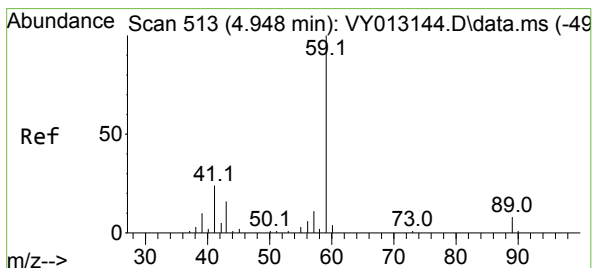
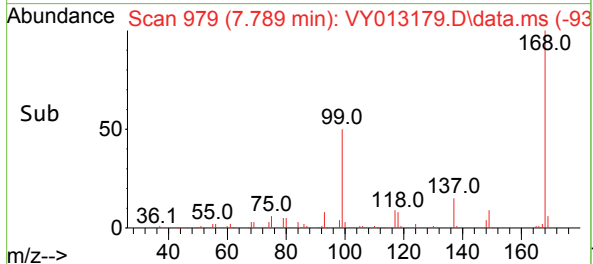
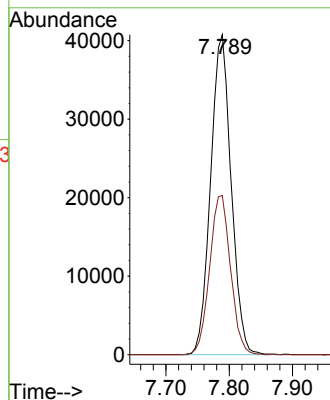
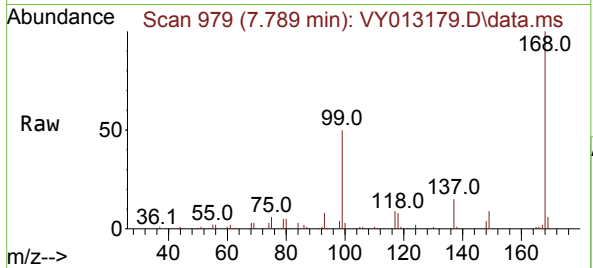




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

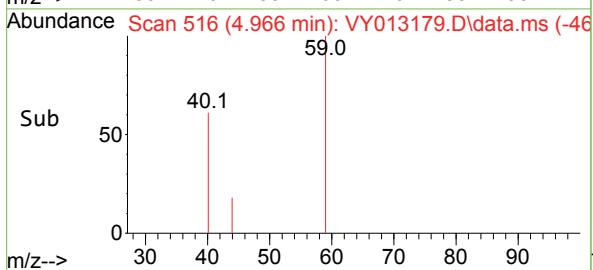
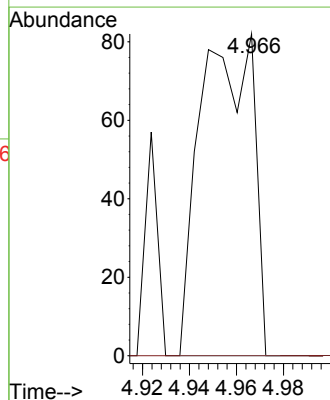
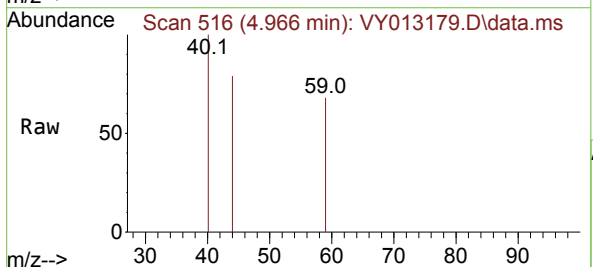
Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

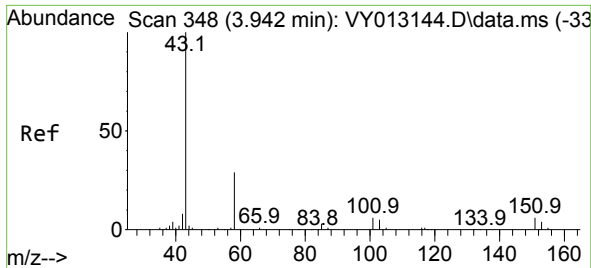
Tgt Ion:168 Resp: 92059
Ion Ratio Lower Upper
168 100
99 49.8 41.7 62.5



#11
Tert butyl alcohol
Concen: 1.435 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

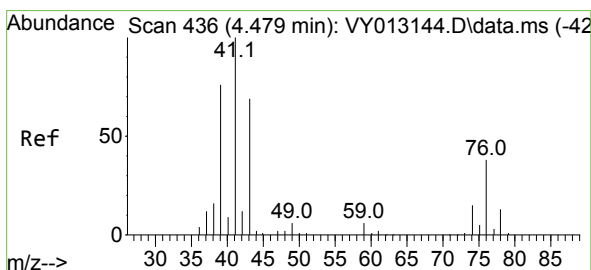
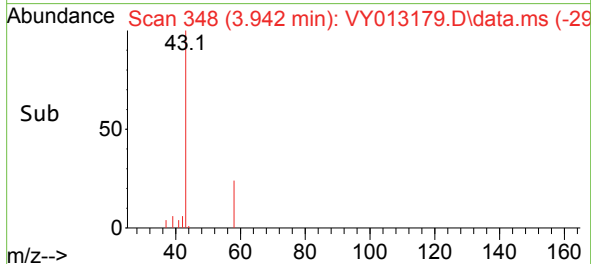
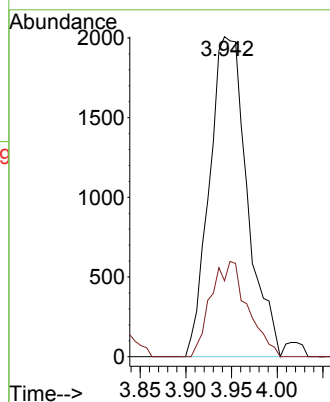
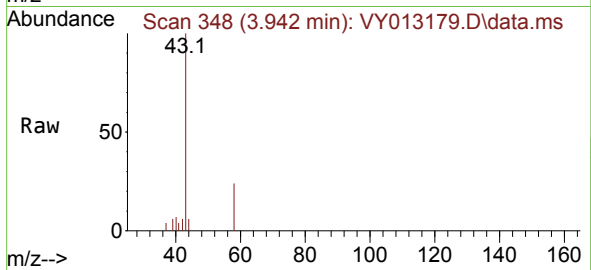




#16
Acetone
Concen: 19.093 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

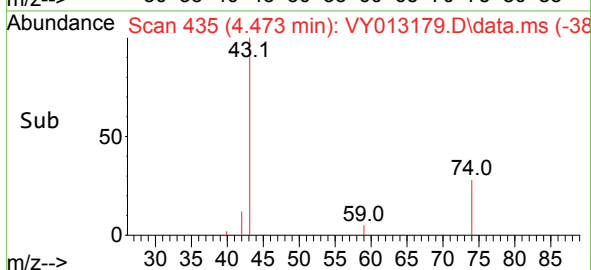
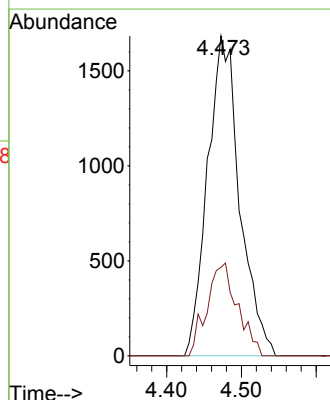
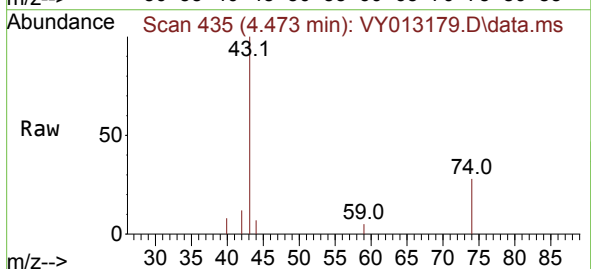
Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

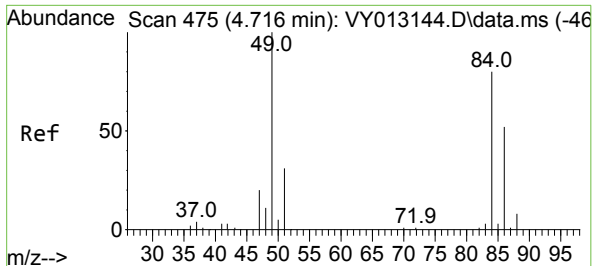
Tgt Ion: 43 Resp: 5776
Ion Ratio Lower Upper
43 100
58 23.7 24.2 36.2#



#18
Methyl Acetate
Concen: 5.286 ug/l
RT: 4.473 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

Tgt Ion: 43 Resp: 5039
Ion Ratio Lower Upper
43 100
74 27.5 17.4 26.0#



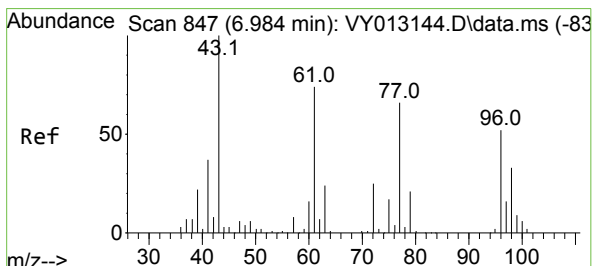
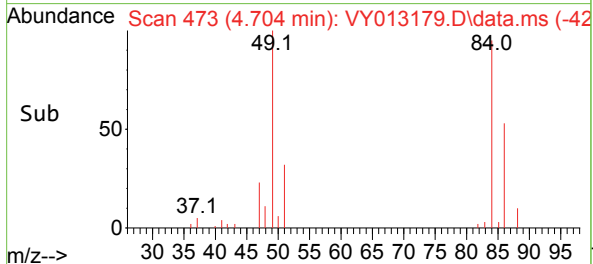
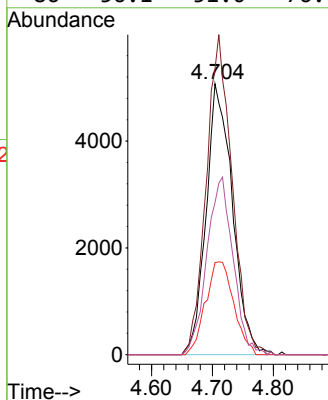
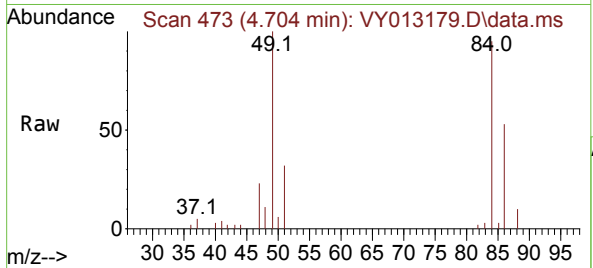


#20
Methylene Chloride
Concen: 10.334 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

Tgt Ion: 84 Resp: 15242

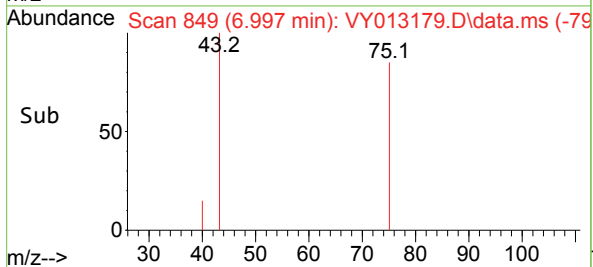
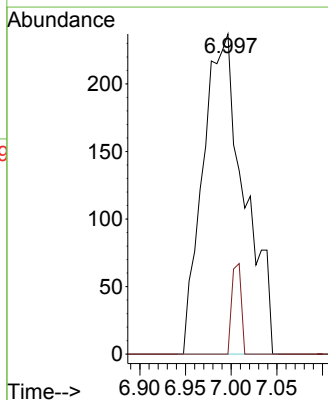
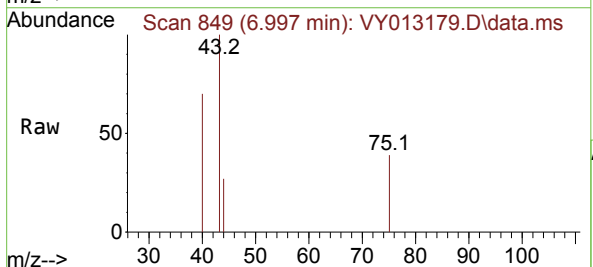
Ion	Ratio	Lower	Upper
84	100		
49	105.5	102.6	154.0
51	34.0	31.9	47.9
86	56.1	51.0	76.6

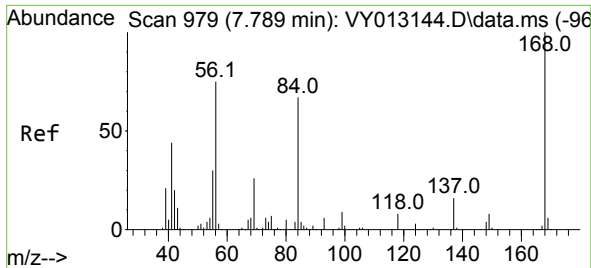


#25
2-Butanone
Concen: 1.969 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.013 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

Tgt Ion: 43 Resp: 745

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#

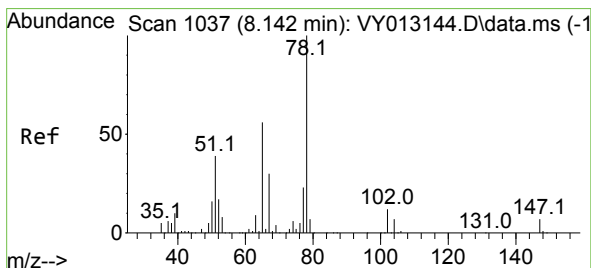
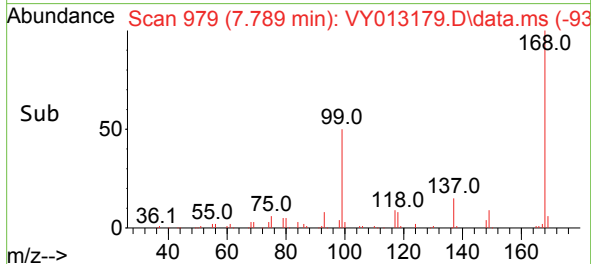
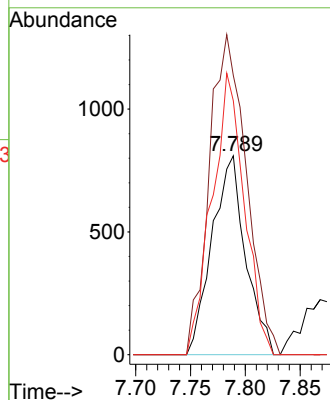
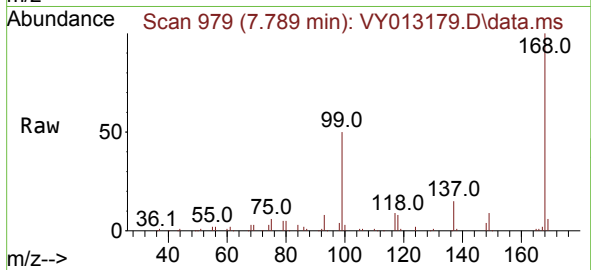




#31
Cyclohexane
Concen: 1.066 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

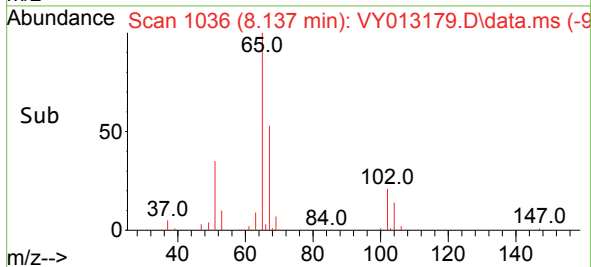
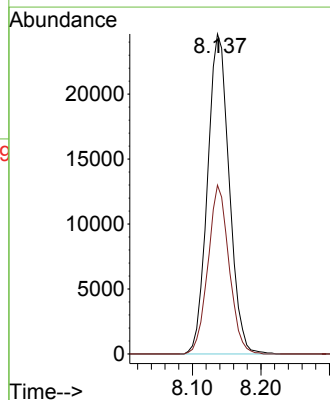
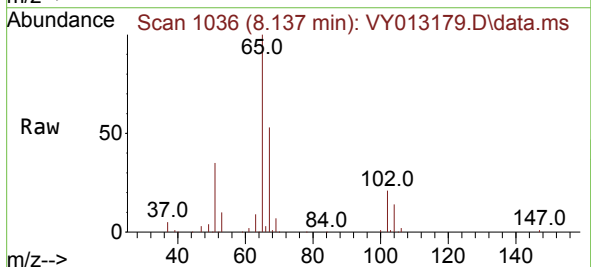
Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

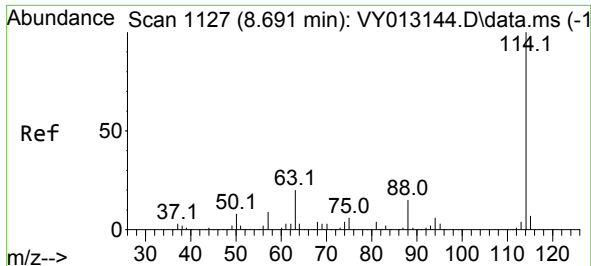
Tgt Ion: 56 Resp: 1721
Ion Ratio Lower Upper
56 100
69 140.4 25.7 38.5#
84 127.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 54.794 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

Tgt Ion: 65 Resp: 54210
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013179.D

Acq: 03 Apr 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

SB-4B

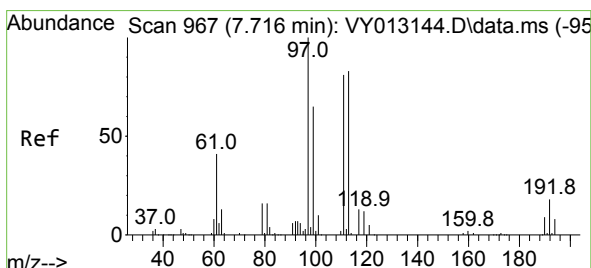
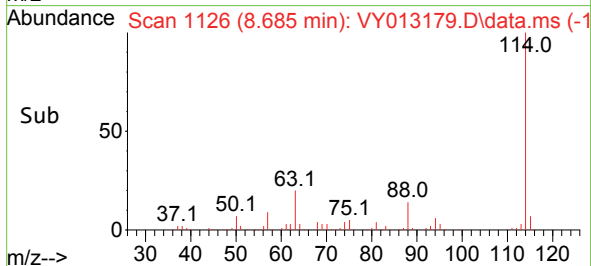
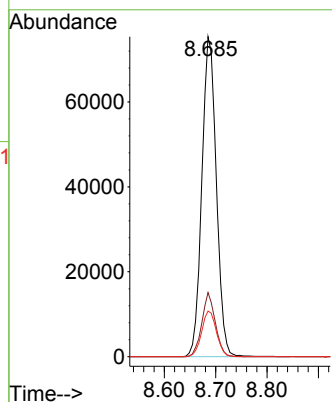
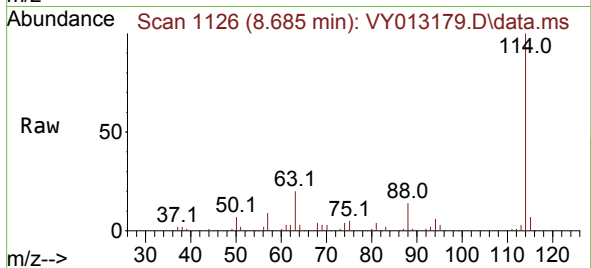
Tgt Ion:114 Resp: 147403

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 14.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 51.792 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013179.D

Acq: 03 Apr 2023 16:32

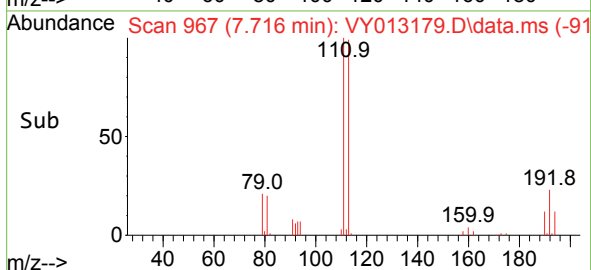
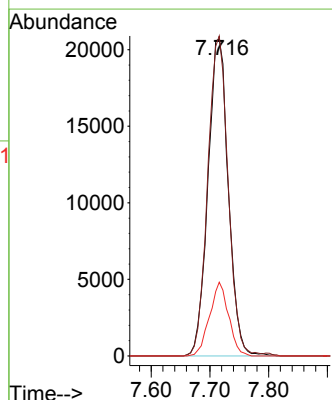
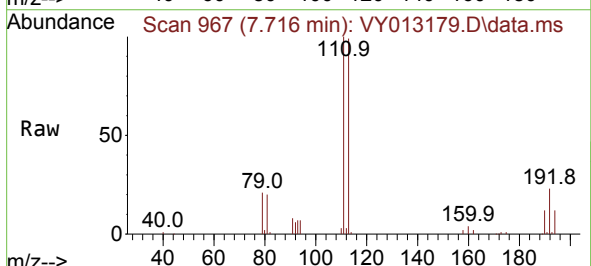
Tgt Ion:113 Resp: 49872

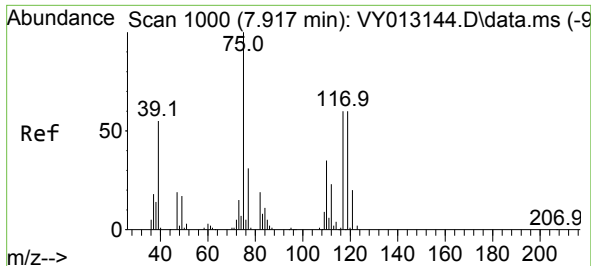
Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.2

192 21.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.439 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013179.D

Acq: 03 Apr 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

SB-4B

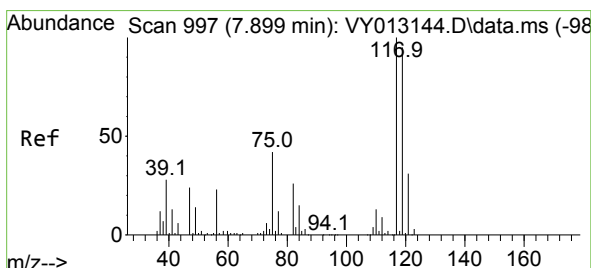
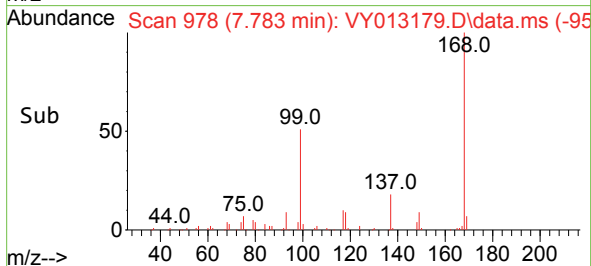
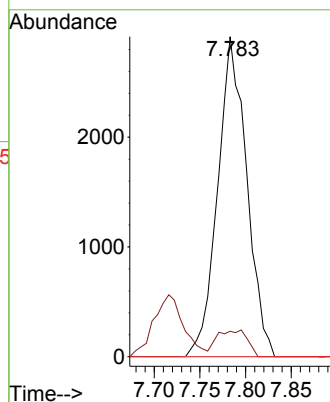
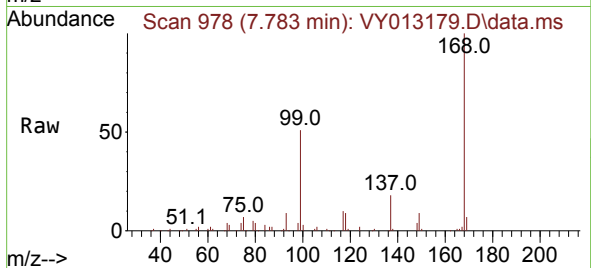
Tgt Ion: 75 Resp: 6435

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.420 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013179.D

Acq: 03 Apr 2023 16:32

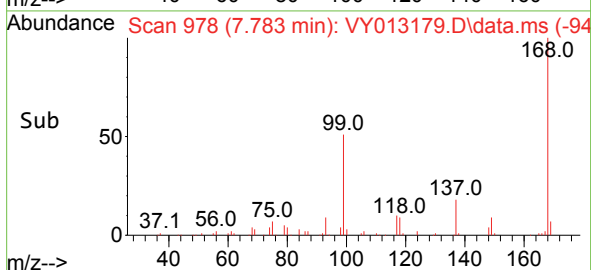
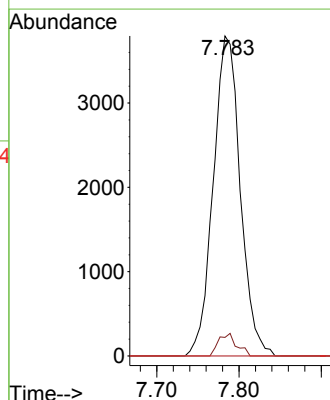
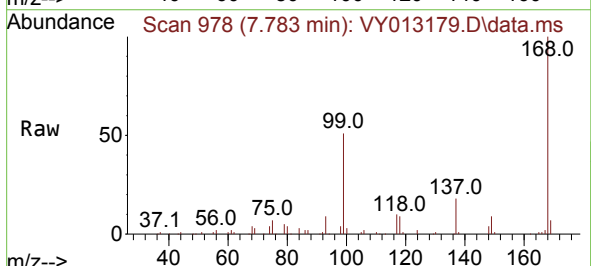
Tgt Ion: 117 Resp: 8670

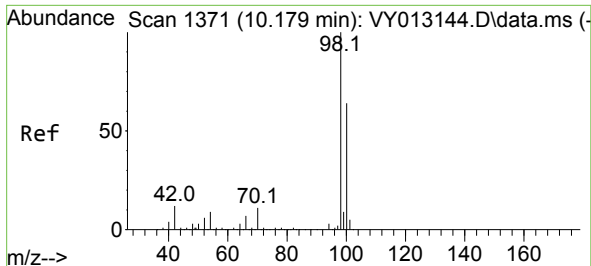
Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

121 0.0 24.7 37.1#

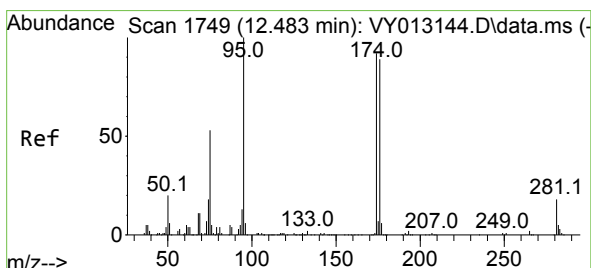
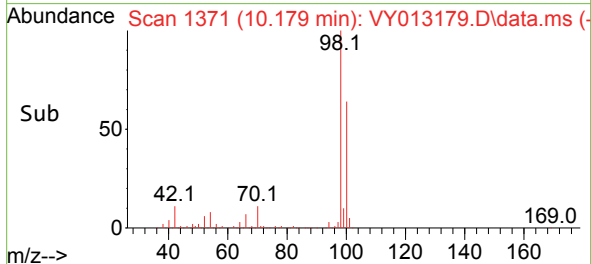
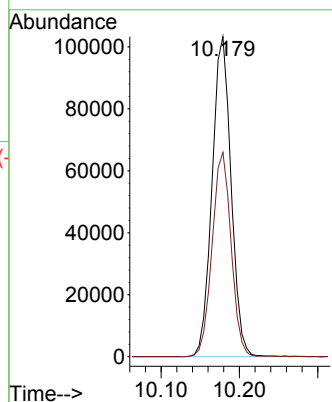
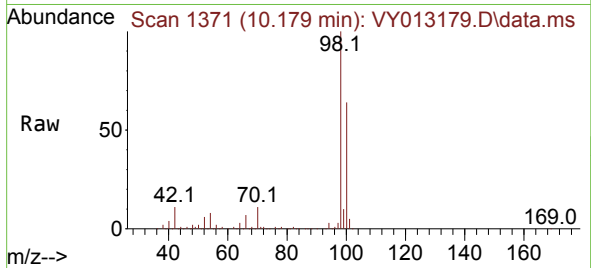




#50
Toluene-d8
Concen: 47.853 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

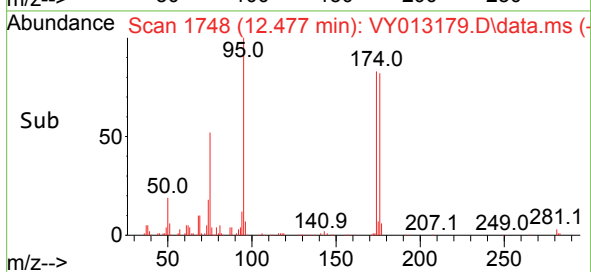
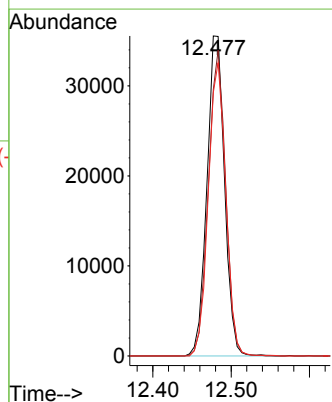
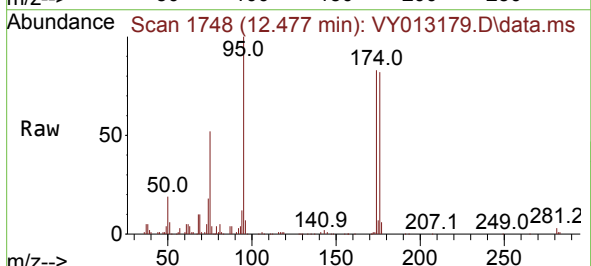
Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

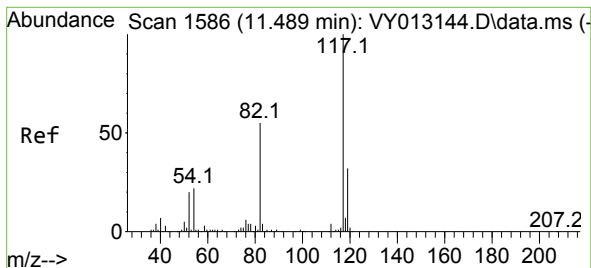
Tgt Ion: 98 Resp: 173955
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.920 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

Tgt Ion: 95 Resp: 55519
Ion Ratio Lower Upper
95 100
174 93.8 0.0 176.6
176 91.0 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013179.D

Acq: 03 Apr 2023 16:32

Instrument :

MSVOA_Y

ClientSampleId :

SB-4B

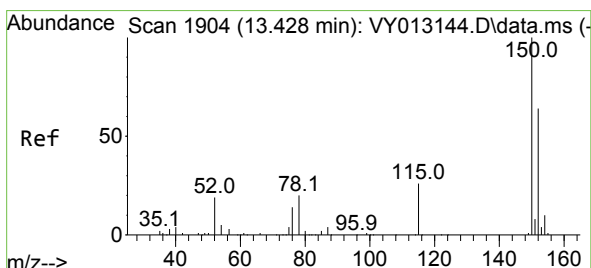
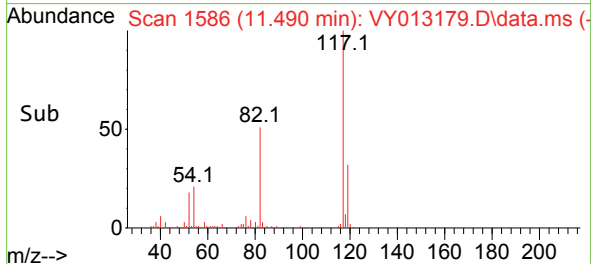
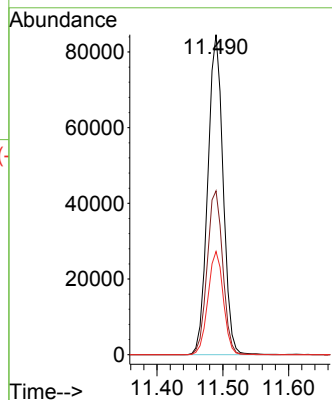
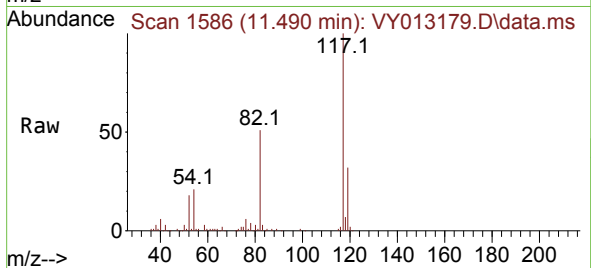
Tgt Ion:117 Resp: 136955

Ion Ratio Lower Upper

117 100

82 51.2 45.4 68.0

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013179.D

Acq: 03 Apr 2023 16:32

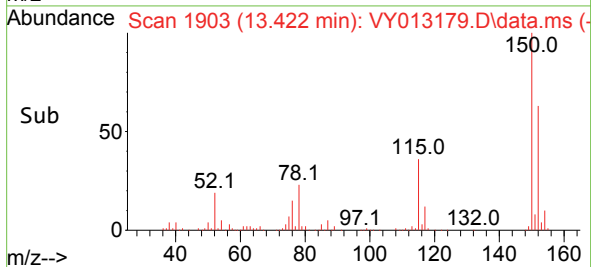
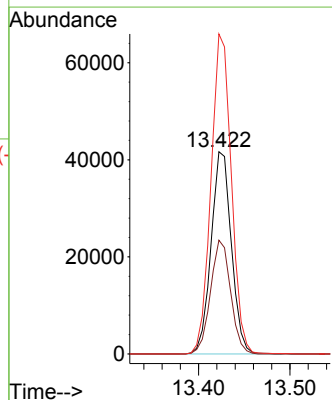
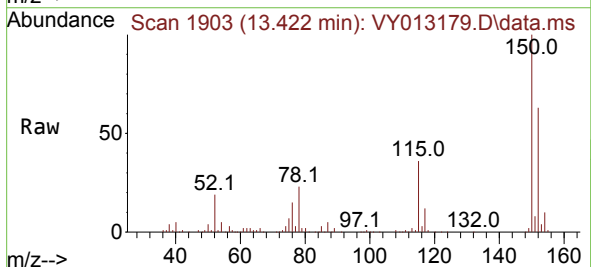
Tgt Ion:152 Resp: 64417

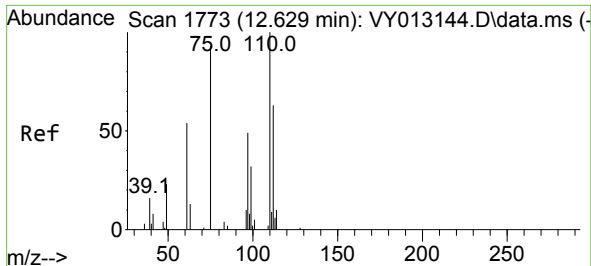
Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 158.6 0.0 347.8

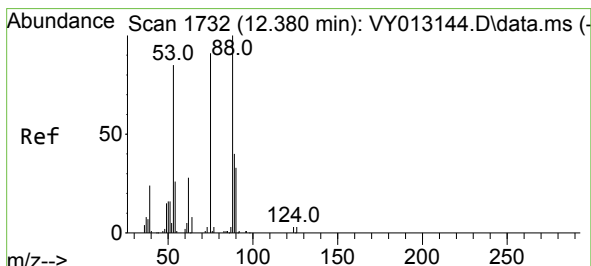
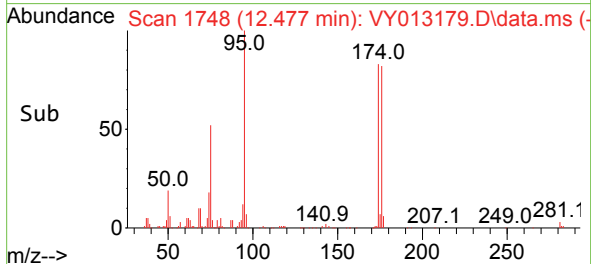
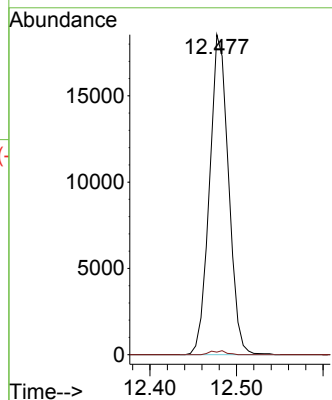
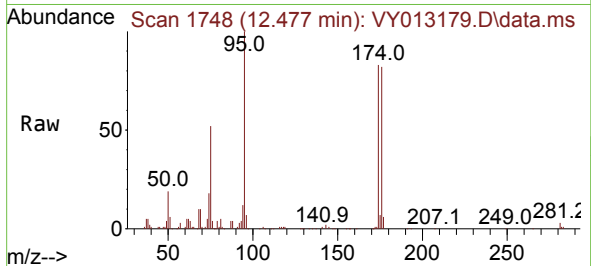




#76
1,2,3-Trichloropropane
Concen: 39.097 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

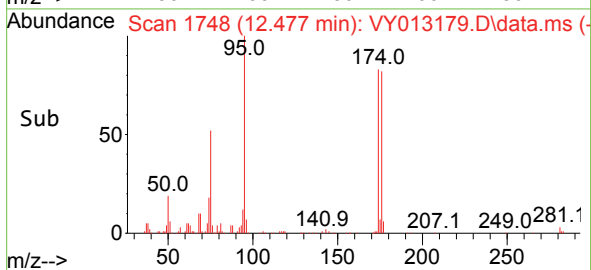
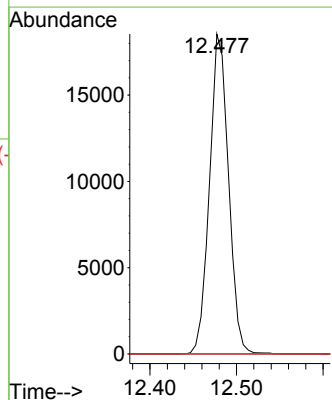
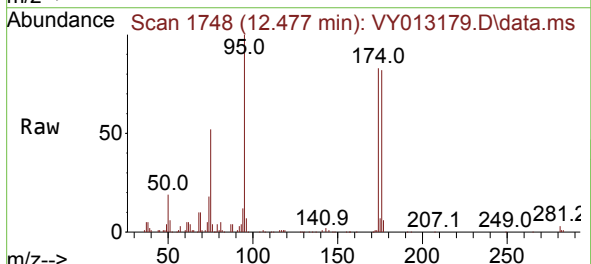
Instrument :
MSVOA_Y
ClientSampleId :
SB-4B

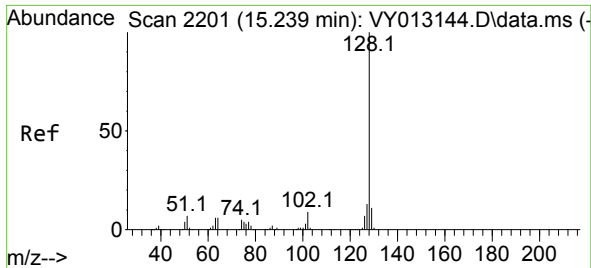
Tgt Ion: 75 Resp: 28293
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.192 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

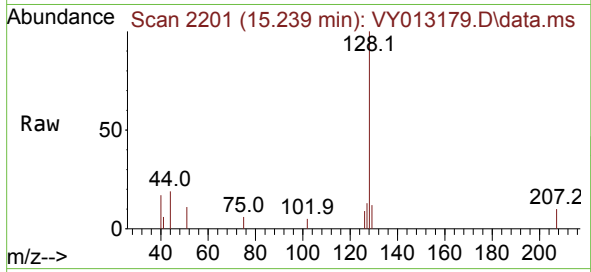
Tgt Ion: 75 Resp: 28293
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#





#95
Naphthalene
Concen: 3.961 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013179.D
Acq: 03 Apr 2023 16:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-4B



Tgt Ion:	128	Resp:	1880
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.4	8.6	13.0

